Meherpur With Piped Water Supply System A. Pourashava Profile Class Sanitation coverage Division Khulna Latrine with septic tank (%) 40 Water sealed slab latrine (%) District Meherpur 46 Year established 1869 Water-related diseases Contact Tel/Fax Tel: 0791-62329, Fax: 0791-62199 Technical staff (Nos.) E-mail emprashava@yahoo.com 12 Population (FY2010/2011) 70,000 Financial statements (2010/2011) Nos. of households (FY2010/2011) 29.227.334 7.121 Annual budget (Tk) Literacy (%) 65 Revenue (Tk) 27.409.507 Land area (km²) 18 Expenditure (Tk) 28.469.993 Holding tax management, Accounting, Trade Computerization Residential area (km²) 6 license, Salary payment, Rate schedule and Residential area pop. density (persons/ha) 114 estimate preparation, , Yearly logical budget 80 preparation,, Electricity coverage (%) Electricity availability (hrs) Committee formed Summer 10 TLCC /Frequency of meeting Yes. 3 months Winter 16 WATSAN/Frequency of meeting Yes, 3 months B. Key Performance Indicators (Efficiency Indicators) Water supply coverage (%) 60 Metering ratio (%) 0 166 Per capita produced water (L/d/ca) 53 Operating ratio (%) Supply Hour (Hrs) 5 Collection ratio in amount (%) 82 Non-revenue water (NRW) (%) 23 Collection period (days) 76 Pipe leakage ratio (point/km) 5.7 Staffs/ 1,000 connections (ratio) Average revenue (Tk/m3 produced) Electricity arrear to annual revenue (%) 52 Average O&M cost (Tk/m3 produced) 6.6 Water supply Pipe leakage ratio (point/km) coverage (%) Electricity arrear to Collection ratio in Per capita produced Average O&M cost annual revenue amount (%) water (L/d/ca) (Tk/m3 produced) (%) Staffs/ 1,000 Metering ratio (%) Supply hours (hrs) Operating ratio (%) connections (ratio)

(Tk/m3 produced)

Overall performance of Positive Pls

Average revenue

Overall performance of Negative PIs

Collection period

(days)

C. Water Supply Profile 1. General Information of Water Supply Section Chlorination points (Nos.) 1997 Water section established (year) PTW 0 IRP/AIRP Piped system introduced (year) 1986 0 Pourashava responsibility O&M, , Part of construction Surface WTP Bulk flow meters (Nos.) 0 Computerization/Automation , Billing, Accounting, , , , Bulk flow meter readings (Nos.) n Total production, Summer (m³/day) 2.232 Staff in water section (Nos.) 24 (2) Distribution In which, staff with diploma or higher 1 Overhead tank n qualification (Nos.) 2. Water Supply System Overhead tanks (Nos.) 1 Operation of water supply facilities In operation Total capacity (m³) 450 (1) Production Distribution network (km): 62,000 Water sources for piped system Groundwater, Leakages in distribution (Nos.) 355 Production tube well (3) O&M Problems Decrease of production capacity PTW (Nos.) Production wells 8 PTW not in operation (Nos.) i. Out of order of bearing Ave. depth (m) 95 Pump Capacity at commission (m³/hrs) 83 iii. Burning of pump motor Backwashing & outlet of drain frequently 49 Treatment plant Ave. current capacity per unit (m³/hrs) Ave. production hours, Summer (hrs/day) 11 i. Joint failure ii. Frequent & several leaks from old pipe line Total production, Summer (m³/day) 2.232 Pipeline Teatment plants (Nos.) AIRP 0 Customer water meter IRP 1 i. Leakage ii. Fittings out of order 0 Surface water treatment plants House connection 0 Plants not in operation Production of plant n O&M manuals (Nos.) Ω Total capacity (m³/hrs) 600 O&M assistance form DPHE No Production hours, Summer (hrs/day) 12 Annual leakages (Nos.) 355 Total production (m³/day) 7,200 Leakage detection activity No

3. Needs of Rehabilitation and Expans	on	House connection fee (1/2") (Tk)	500
Rehabilitation		Tariff adopted year	1998
Production tube well	Yes	Tariff setting policy	, Operation cost recovery (O&M costs),
Treatment plant	No	· ,	,,,
Distribution network	Yes	7. Water Quality Monitoring	
Expansion	163	Water quality monitoring plan	No
	V		No
Production tube well	Yes	Parameters checked	-
Treatment plant	Yes	Frequency of quality test	-
Distribution network	Yes	Nos. of sampling location /year	-
4. Customer Service (Service indicator	5)	Water quality problems	Hardness. Iron & Arsenic were found
Coverage area (km²)	11		by test from DPHE lab.
Population served (people)	42,000		
Service connections (Nos.)	3,582	8. Problems and Priority Needs	
Domestic	3,380	Major 3 problems	
			Low coverage
Public tap/ stand pipe	12	(1)	Low coverage
Public institutions	52		
Commercial & industrial	138	(2)	Less financial resources for
Others	0		development
Total	3,582	(3)	Low treatment plant technology
Metered connections (Nos.)	0		
Applications outstanding (Nos.)	60	Major 3 priority needs	
New connections in 2010/2011 (Nos.)	355		24-hour supply
	7	(1)	sappiy
Average waiting time (days)			Increase of and distance of
Water pressure at the end of network	,,Low,	(2)	Increase of production capacity
Continuity of service (hrs/day)	5		
Customer with 24 hrs supply (%)	0	(3)	Treatment plant
Annual complaints (Nos.)	1,500		
Major complaints		9. Past and On-going Projects and Training	ng
,	(1) Supply is less than demand	(1) Past 10 years projects	-
	(1) Supply is less than demand	Name	
	(2) Direction of supply	Name	
	(2) Duration of supply		-
		Period	-
	(3) In summer season pressure not	Funding agency	-
	available at end of pipe.	Executing agency	-
5. Financial Information (FY2010/11)		(2) Past 10 years projects	-
Annual budget (Tk)	0	Name	-
Annual revenue (Tk)	3,245,564		_
Annual expenditure (Tk)	5,395,792	Period	_
' ' '			
Annual O&M Costs (Tk)	5,395,792	Funding agency	-
Annual billings (Tk)	3,801,044	Executing agency	-
Annual collections (Tk)	3,120,564	On-going projects	-
Water arrears (Tk)	676,085	Name	-
Electricity arrears (Tk)	1,673,269		37 District Water Supply Project
Payment methods	, Bank	Period	2010-2013
Self-billing	No	Funding agency	GOB
Billing frequency	Monthly	Executing agency	DPHE
			0
6. Water Tariff and Metering (See Tar	•	Training	
Tariff Structure	Based on pipe size	Nos. of training	3
		Nos. of Staff	5
Domestic 13 mm (1/2") (Tk/month)	100	Nos. of Staff Name of training (1)	5 Installation of billing software development
Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month)	100 200		
		Name of training (1)	Installation of billing software development
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³)	200	Name of training (1) Name of training (2)	Installation of billing software development Community mobilization
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area	200	Name of training (1) Name of training (2) Name of training (3)	Installation of billing software development Community mobilization TOT (Training of Trainer) Course Poursahwa Organization & Management
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply	200	Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic	Installation of billing software development Community mobilization TOT (Training of Trainer) Course Poursalvava Organization & Management None, , , ,
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of	200	Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.)	Installation of billing software development Community mobilization TOT (Training of Trainer) Course Poursahwa Organization & Management None, , , 40 (approx)
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water	200 0 Yes	Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%)	Installation of billing software development Community mobilization TOT (Training of Trainer) Course Poursabusu Organization & Management None, , , 40 (approx) 5
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of	200 0 Yes Yes	Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.)	Installation of billing software development Community mobilization TOT (Training of Trainer) Course Poursahwa Organization & Management None, , , 40 (approx)
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water	200 0 Yes Yes i. Proper billing for revenue collection.	Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%)	Installation of billing software development Community mobilization TOT (Training of Trainer) Course Poursabusu Organization & Management None, , , 40 (approx) 5
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	200 0 Yes Yes	Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%)	Installation of billing software development Community mobilization Tot (Training of Trainer) Course Poursalvava Organization & Management None, , , 40 (approx) 5 No data 5 Decrease of water table, Iron, Arsenic &
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	200 0 Yes Yes i. Proper billing for revenue collection.	Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	Installation of billing software development Community mobilization TOT (Training of Training Of Train
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons	Yes Yes i. Proper billing for revenue collection. ii. To safe (NRW)	Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area	Installation of billing software development Community mobilization TOT (Training of Trainer) Course Poursahava Organization & Management None, , , 40 (approx) 5 No data 5 Decrease of water table, Iron, Arsenic & hardness (salinity) on the Tube well water
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff	Yes Yes i. Proper billing for revenue collection. ii. To safe (NRW)	Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area	Installation of billing software development Community mobilization TOT (Training of Trainer) Course Poursahous Organization & Management None, , , 40 (approx) 5 No data 5 Decrease of water table, Iron, Arsenic & hardness (salinity) on the Tube well water d Water Supply System
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff Average household income/month (Tk)	Yes Yes i. Proper billing for revenue collection. ii. To safe (NRW)	Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piper Potential water sources	Installation of billing software development Community mobilization TOT (Training of Trainer) Course Poursahous Organization & Management None, , , 40 (approx) 5 No data 5 Decrease of water table, Iron, Arsenic & hardness (salinity) on the Tube well water d Water Supply System Evaluation WQ problems
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff Average household income/month (Tk/ Affordability for piped water (Tk/mont)	Yes Yes i. Proper billing for revenue collection. ii. To safe (NRW)	Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area	Installation of billing software development Community mobilization TOT (Training of Trainer) Course Poursahous Organization & Management None, , , 40 (approx) 5 No data 5 Decrease of water table, Iron, Arsenic & hardness (salinity) on the Tube well water d Water Supply System
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff Average household income/month (Tk)	Yes Yes i. Proper billing for revenue collection. ii. To safe (NRW)	Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piper Potential water sources	Installation of billing software development Community mobilization TOT (Training of Trainer) Course Poursahous Organization & Management None, , , 40 (approx) 5 No data 5 Decrease of water table, Iron, Arsenic & hardness (salinity) on the Tube well water d Water Supply System Evaluation WQ problems
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff Average household income/month (Tk/ Affordability for piped water (Tk/mont Affordable price in total household income (%)	Yes Yes i. Proper billing for revenue collection. ii. To safe (NRW) 0 12,000 150 1	Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piper Potential water sources Shallow well	Installation of billing software development Community mobilization TOT (Training of Trainer) Course Poursahous Organization & Management None, , , 40 (approx) 5 No data 5 Decrease of water table, Iron, Arsenic & hardness (salinity) on the Tube well water Water Supply System Evaluation WQ problems None Iron, Hardness
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff Average household income/month (Tk, Affordability for piped water (Tk/mont Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped	Yes Yes i. Proper billing for revenue collection. ii. To safe (NRW) 0 12,000 150 1 Water Supply Area	Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piper Potential water sources Shallow well Deep well Surface water sources	Installation of billing software development Community mobilization TOT (Training of Trainer) Course Poursahava Organization & Management None, , , 40 (approx) 5 No data 5 Decrease of water table, Iron, Arsenic & hardness (salinity) on the Tube well water Mater Supply System Evaluation WQ problems None Iron, Hardness High Iron, Arsenic, Hardness
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff Average household income/month (Tk, Affordability for piped water (Tk/mont Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Source	Yes Yes i. Proper billing for revenue collection. ii. To safe (NRW) 0 12,000 1) 150 1 Water Supply Area Nos. of source Drinking (%) Domestic (%	Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piper Potential water sources Shallow well Deep well Surface water sources Other sources	Installation of billing software development Community mobilization TOT (Training of Trainer) Course Poursahous Organization & Management None, , , 40 (approx) 5 No data 5 Decrease of water table, Iron, Arsenic & hardness (salinity) on the Tube well water Water Supply System Evaluation WQ problems None Iron, Hardness
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff Average household income/month (Tk, Affordability for piped water (Tk/mont Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Source River	Yes Yes i. Proper billing for revenue collection. ii. To safe (NRW) 0 12,000 1) 150 1 Water Supply Area Nos. of source Drinking (%) Domestic (%) 0 0 0	Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piper Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level	Installation of billing software development Community mobilization TOT (Training of Trainer) Course Poursahous Organization & Management None, , , 40 (approx) 5 No data 5 Decrease of water table, Iron, Arsenic & hardness (salinity) on the Tube well water Evaluation WQ problems None Iron, Hardness High Iron, Arsenic, Hardness No 0
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff Average household income/month (Tk, Affordability for piped water (Tk/mont Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Source River Shallow well	200 0 Yes Yes i. Proper billing for revenue collection. ii. To safe (NRW) 0 12,000 1) 150 1 Water Supply Area Nos. of source 0 0 0 0 0 760 100 100	Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piper Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year)	Installation of billing software development Community mobilization TOT (Training of Trainer) Course Poursahous Organization & Management None, , , 40 (approx) 5 No data 5 Decrease of water table, Iron, Arsenic & hardness (salinity) on the Tube well water Evaluation WQ problems None Iron, Hardness High Iron, Arsenic, Hardness No 0 0.3
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff Average household income/month (Tk/ Affordability for piped water (Tk/mont Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Source River Shallow well Deep well	200 0 Yes Yes i. Proper billing for revenue collection. ii. To safe (NRW) 0 12,000 150 1 Water Supply Area Nos. of source 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piper Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year) Deep well (m/year)	Installation of billing software development Community mobilization TOT (Training of Trainer) Course Poursahous Organization & Management None, , , 40 (approx) 5 No data 5 Decrease of water table, Iron, Arsenic & hardness (salinity) on the Tube well water Evaluation WQ problems None Iron, Hardness High Iron, Arsenic, Hardness No 0
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff Average household income/month (Tk, Affordability for piped water (Tk/mont Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Source River Shallow well	200 0 Yes Yes i. Proper billing for revenue collection. ii. To safe (NRW) 0 12,000 1) 150 1 Water Supply Area Nos. of source 0 0 0 0 0 760 100 100	Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piper Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year) Deep well (m/year)	Installation of billing software development Community mobilization TOT (Training of Trainer) Course Poursahous Organization & Management None, , , 40 (approx) 5 No data 5 Decrease of water table, Iron, Arsenic & hardness (salinity) on the Tube well water Evaluation WQ problems None Iron, Hardness High Iron, Arsenic, Hardness No 0 0.3

Mirkadim With Piped Water Supply System

A. Pourashava Profile Sanitation coverage Division Dhaka Latrine with septic tank (%) 75 Munshiganj Water sealed slab latrine (%) District 10 Year established Water-related diseases 1995 Arsenicosis, , , Typhoid, , Contact Tel/Fax 7612422 Technical staff (Nos.) E-mail Population (FY2010/2011) 70,000 Financial statements (2010/2011) Nos. of households (FY2010/2011) 7,250 Annual budget (Tk) 145,930,466 15,702,385 Literacy (%) 70 Revenue (Tk) 14,458,000 10 Expenditure (Tk) Land area (km2) Residential area (km²) 5 Computerization Residential area pop. density (persons/ha) 136 Electricity coverage (%) 95 Electricity availability (hrs) Committee formed Summer 10 TLCC /Frequency of meeting No Winter 16 WATSAN/Frequency of meeting No **B. Key Performance Indicators (Efficiency Indicators)** Water supply coverage (%) Metering ratio (%) 0 Per capita produced water (L/d/ca) 160 Operating ratio (%) 97 Supply Hour (Hrs) 3 Collection ratio in amount (%) 100 Non-revenue water (NRW) (%) Collection period (days) n Staffs/ 1,000 connections (ratio) Pipe leakage ratio (point/km) 5.6 12 Average revenue (Tk/m3 produced) Electricity arrear to annual revenue (%) 1.7 Average O&M cost (Tk/m3 produced) Water supply Pipe leakage ratio (point/km) coverage (%) 10 10 Average O&M Per capita Electricity arrear Collection ratio in produced water to annual revenue cost (Tk/m3 amount (%) (L/d/ca) (%) produced) Staffs/ 1,000 Operating ratio Metering ratio (%) Supply hours (hrs) connections (%) (ratio) Collection period Average revenue (Tk/m3 produced) (days) **Overall performance of Positive Pls Overall performance of Negative Pls** C. Water Supply Profile Chlorination points (Nos.) 1. General Information of Water Supply Section Water section established (year) 0 PTW Piped system introduced (year) 1995 IRP/AIRP 0 O&M,, Pourashava responsibility Surface WTP 0 Bulk flow meters (Nos.) 0 Computerization/Automation None, , , , , , Bulk flow meter readings (Nos.) 0 Total production, Summer (m³/day) 960 Staff in water section (Nos.) (2) Distribution In which, staff with diploma or higher Overhead tank 0 qualification (Nos.) 2. Water Supply System Overhead tanks (Nos.) O Operation of water supply facilities 0 In operation Total capacity (m³) (1) Production Distribution network (km): 18,000 Water sources for piped system Groundwater, Leakages in distribution (Nos.) 100 (3) O&M Problems Production tube well Decrease of production capacity PTW (Nos.) Production wells PTW not in operation (Nos.) 0 Burning pump and physical damage Ave. depth (m) 187 Pump Capacity at commission (m³/hrs) 75 Ave. current capacity per unit (m³/hrs) 60 Treatment plant Ave. production hours, Summer (hrs/day) Leakage 960 **Pipeline** Total production, Summer (m³/day) Teatment plants (Nos.) AIRP 0 Customer water meter IRP O Lockage from fitting Surface water treatment plants 0 House connection Plants not in operation n Production of plant 0 O&M manuals (Nos.) 0 Total capacity (m³/hrs) O&M assistance form DPHE 0 No Production hours, Summer (hrs/day) 0 Annual leakages (Nos.) 100 Total production (m³/day) Leakage detection activity Yes

3. Needs of Rehabilitation and Expansion	n	House connection fee (1/2") (Tk)	350
Rehabilitation		Tariff adopted year	2009
Production tube well	Yes	Tariff setting policy	, Operation cost recovery (O&M
Treatment plant	No	· ,	costs), , People's affordability to pay, ,
Distribution network	Yes	7. Water Quality Monitoring	
	163		No
Expansion		Water quality monitoring plan	No
Production tube well	Yes	Parameters checked	-
Treatment plant	Yes	Frequency of quality test	-
Distribution network	Yes	Nos. of sampling location /year	-
4. Customer Service (Service indicators)		Water quality problems	Bacteria and also iron
-	6	water quality problems	
Coverage area (km²)			
Population served (people)	6,000		
Service connections (Nos.)	522	8. Problems and Priority Needs	
Domestic	512	Major 3 problems	
Public tap/ stand pipe	7	(1)	Low coverage of water supply
Public institutions	1	()	
Commercial & industrial	2	(2)	Less financial resources
		(2)	Less illialicial resources
Others	0		
Total	522	(3)	Insufficient technical capacity
Metered connections (Nos.)	0		and managerial capacity
Applications outstanding (Nos.)	0	Major 3 priority needs	
New connections in 2010/2011 (Nos.)	0		Distribution network
		(1)	DISCUSSION NELWORK
Average waiting time (days)	0		
Water pressure at the end of network	, , Low,	(2)	Improvement of water quality
Continuity of service (hrs/day)	3		
Customer with 24 hrs supply (%)	0	(3)	Increase of production capacity
Annual complaints (Nos.)	100	(3)	,
	100	9. Post and On sains Business and Turini	L.,
Major complaints		9. Past and On-going Projects and Traini	ig
(1	Water pressure is so Low	(1) Past 10 years projects	
		Name	-
(2	Leakage		-
,	· ·	Period	_
/2			
(3	-	Funding agency	-
		Executing agency	-
5. Financial Information (FY2010/11)		(2) Past 10 years projects	-
Annual budget (Tk)	603,125	Name	-
Annual revenue (Tk)	603,125		-
Annual expenditure (Tk)	585,000	Period	
Annual O&M Costs (Tk)	585,000	Funding agency	-
Annual billings (Tk)	634,000	Executing agency	-
Annual collections (Tk)	634,000	On-going projects	-
Water arrears (Tk)	0	Name	-
Electricity arrears (Tk)	0		_
Payment methods	Pourashava office,	Period	
·			
Self-billing	No	Funding agency	-
Billing frequency	Monthly	Executing agency	-
6. Water Tariff and Metering (See Tarif	Database)	Training	-
Tariff Structure	Based on pipe size	Nos. of training	0
		Nos. of Staff	0
Domestic 12 mm (1/2") (Tk/month)	150		Ĺ
Domestic 13 mm (1/2") (Tk/month)		Name of training (1)	
Non-domestic lowest (Tk/month)	325	Name of training (2)	-
Lowest volumetric charge (Tk/m ³)	0	Name of training (3)	-
D. Non-Piped Water Supply Area			
			Ness
1. Necessity of Pined Water Sunnly		Main treatment method in domestic	None
1. Necessity of Piped Water Supply		Main treatment method in domestic	None, , ,
Necessity of		As contaminated wells (Nos.)	0
Necessity of Piped water	Yes		0 0
Necessity of	Yes	As contaminated wells (Nos.)	0
Necessity of Piped water		As contaminated wells (Nos.) Arsenic contaminated water supply (%)	0 0
Necessity of Piped water Water meter	Yes	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	0 0 40
Necessity of Piped water Water meter	Yes	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%)	0 0 40 2
Necessity of Piped water Water meter	Yes	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	0 0 40 2 Bacteria, Shallow tube wells are
Necessity of Piped water Water meter	Yes	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	0 0 40 2 Bacteria, Shallow tube wells are
Necessity of Piped water Water meter	Yes	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area	0 0 40 2 Bacteria, Shallow tube wells are contaminated by human waste.
Necessity of Piped water Water meter	Yes	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	0 0 40 2 Bacteria, Shallow tube wells are contaminated by human waste.
Necessity of Piped water Water meter Reasons	YeS To save water, reduce the non revenue of water.	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area	0 0 40 2 Bacteria, Shallow tube wells are contaminated by human waste.
Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk)	Yes To save water, reduce the non revenue of water. 0 10,000	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources	0 0 40 2 Bacteria, Shallow tube wells are contaminated by human waste. d Water Supply System Evaluation WQ problems
Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month)	Yes To save water, reduce the non revenue of water. 0 10,000 200	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well	0 0 40 2 Bacteria, Shallow tube wells are contaminated by human waste. d Water Supply System Evaluation WQ problems Moderate Bacteria
Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%)	Yes To save water, reduce the non revenue of water. 0 10,000 200 2	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well	0 0 40 2 Bacteria, Shallow tube wells are contaminated by human waste. d Water Supply System Evaluation WQ problems Moderate Bacteria High none
Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month)	Yes To save water, reduce the non revenue of water. 0 10,000 200 2 /ater Supply Area	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well	0 0 40 2 Bacteria, Shallow tube wells are contaminated by human waste. d Water Supply System Evaluation WQ problems Moderate Bacteria High none High Turbidity
Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%)	Yes To save water, reduce the non revenue of water. 0 10,000 200 2	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well	0 0 40 2 Bacteria, Shallow tube wells are contaminated by human waste. d Water Supply System Evaluation WQ problems Moderate Bacteria High none
Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped V	Yes To save water, reduce the non revenue of water. 0 10,000 200 2 /ater Supply Area	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources	0 0 40 2 Bacteria, Shallow tube wells are contaminated by human waste. d Water Supply System Evaluation WQ problems Moderate Bacteria High none High Turbidity
Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped V Source River	Yes To save water, reduce the non revenue of water. 0 10,000 200 2 ater Supply Area Nos. of source Drinking (%) Domestic (%) 1	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level	0 0 40 2 Bacteria, Shallow tube wells are contaminated by human waste. d Water Supply System Evaluation WQ problems Moderate Bacteria High none High Turbidity No -
Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped V Source River Shallow well	Yes To save water, reduce the non revenue of water. 0 10,000 200 2 ater Supply Area	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year)	0 0 40 2 Bacteria, Shallow tube wells are contaminated by human waste. d Water Supply System Evaluation WQ problems Moderate Bacteria High none High Turbidity No -
Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped V Source River Shallow well Deep well	Ves To save water, reduce the non revenue of water. 0 10,000 200 2 Vater Supply Area Nos. of source Drinking (%) 1 0 4,500 95 3 5 1	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year) Deep well (m/year)	0 0 40 2 Bacteria, Shallow tube wells are contaminated by human waste. d Water Supply System Evaluation WQ problems Moderate Bacteria High none High Turbidity No -
Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped V Source River Shallow well	Yes To save water, reduce the non revenue of water. 0 10,000 200 2 ater Supply Area	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year) Deep well (m/year)	0 0 40 2 Bacteria, Shallow tube wells are contaminated by human waste. d Water Supply System Evaluation WQ problems Moderate Bacteria High none High Turbidity No -

Monglaport With Piped Water Supply System

A. Pourashava Profile Class Sanitation coverage Khulna Division Latrine with septic tank (%) 15 Water sealed slab latrine (%) District Bagerhat 70 Year established 1975 Water-related diseases Contact Tel/Fax Tel: 04658-73490 Fax: 04658-73495 Technical staff (Nos.) E-mail pourashavamongla@yahoo.com 38 Population (FY2010/2011) 68,663 Financial statements (2010/2011) Nos. of households (FY2010/2011) 39,206,526 8.901 Annual budget (Tk) Literacy (%) 66 Revenue (Tk) 26.128.922 Land area (km²) 19 Expenditure (Tk) 36,921,134 Holding tax management, Accounting, Trade Residential area (km²) 8 Computerization license, , Rate schedule and estimate Residential area pop. density (persons/ha) 88 preparation, Engineering, Yearly logical 100 budget preparation, , Electricity coverage (%) Electricity availability (hrs) Committee formed Summer 20 TLCC /Frequency of meeting Yes, When required Winter 22 WATSAN/Frequency of meeting Yes, 4 months B. Key Performance Indicators (Efficiency Indicators) Water supply coverage (%) Metering ratio (%) 0 23 104 No data Per capita produced water (L/d/ca) Operating ratio (%) Supply Hour (Hrs) 2 Collection ratio in amount (%) No data Non-revenue water (NRW) (%) 4 Collection period (days) No data Pipe leakage ratio (point/km) 0.8 Staffs/ 1,000 connections (ratio) 12 Average revenue (Tk/m3 produced) No data Electricity arrear to annual revenue (%) No data Average O&M cost (Tk/m3 produced) No data Water supply Pipe leakage ratio (point/km) coverage (%) 10 8 8 Electricity arrear Per capita Average O&M cost Collection ratio in 6 to annual revenue roduced water (Tk/m3 produced) amount (%) 4 (L/d/ca) (%) ď ď, Staffs/ 1 000 Metering ratio (%) Operating ratio (%) Supply hours (hrs) connections (ratio) Collection period Average revenue (days) (Tk/m3 produced) **Overall performance of Positive Pls Overall performance of Negative PIs** C. Water Supply Profile 1. General Information of Water Supply Section Chlorination points (Nos.) Water section established (year) 2010 PTW IRP/AIRP Piped system introduced (year) 2004 Pourashava responsibility 0&M,, Surface WTP Bulk flow meters (Nos.) 0 Computerization/Automation , Billing, Accounting, Asset Bulk flow meter readings (Nos.) n management, Pumping, Treatment, 1.600 Total production, Summer (m³/day) Staff in water section (Nos.) 10 (2) Distribution In which, staff with diploma or higher 1 Overhead tank n qualification (Nos.) 2. Water Supply System Overhead tanks (Nos.) 1 Operation of water supply facilities Total capacity (m³) 500 In operation (1) Production Distribution network (km): 24.999 Water sources for piped system , River Leakages in distribution (Nos.) 20 Production tube well (3) O&M Problems PTW (Nos.) Production wells n PTW not in operation (Nos.) O 1 no. Submersible pump is out of order Ave. depth (m) Pump 0 Capacity at commission (m³/hrs) 0 0 Treatment plant Ave. current capacity per unit (m³/hrs) Ave. production hours, Summer (hrs/day) 0 Operational tools required. Total production, Summer (m³/day) 0 Pipeline Teatment plants (Nos.) Bulk water meter collected but not installed AIRP 0 Customer water meter

House connection

O&M manuals (Nos.)

Annual leakages (Nos.)

Leakage detection activity

O&M assistance form DPHE

No problem

n

Yes

20

Yes

IRP

Surface water treatment plants

Production hours, Summer (hrs/day)

Plants not in operation Production of plant

Total capacity (m³/hrs)

Total production (m³/day)

0

1

0

n

200

1,600

3. Needs of Rehabilitation and Expans	ion		House connection fee (1/2") (Tk)		800	
Rehabilitation	1011				2011/2012	
			Tariff adopted year			recovery (O&M costs), , People's
Production tube well	Yes		Tariff setting policy		affordability to p	ay, Ensuring water supply for
Treatment plant	No				socially vulnerab	le people,
Distribution network	No		7. Water Quality Monitoring			
Expansion			Water quality monitoring plan		No	
Production tube well	No		Parameters checked		-	
Treatment plant	Yes		Frequency of quality test		_	
Distribution network	Yes		Nos. of sampling location /year		_	
			·		Calinity probl	an many arise in future
4. Customer Service (Service indicato			Water quality problems		Salifity probl	em may arise in future.
Coverage area (km²)	5					
Population served (people)	15,458					
Service connections (Nos.)	860		8. Problems and Priority Needs			
Domestic	804		Major 3 problems			
			iviajoi 3 problems	(4)		
Public tap/ stand pipe	34			(1)	Low cover	age
Public institutions	0					
Commercial & industrial	22			(2)	In sufficier	nt technical and
Others	0				manageme	ent capacity
Total	860			(3)	Water qua	lity problem
				(3)	Trater qua	, problem
Metered connections (Nos.)	0		Mail: 2 2 1 11			
Applications outstanding (Nos.)	175		Major 3 priority needs			
New connections in 2010/2011 (Nos.)	20			(1)	Increase of	f water pressure
Average waiting time (days)	7					
Water pressure at the end of network	, Fair, ,			(2)	Capacity h	uilding for staff and
Continuity of service (hrs/day)	2			(-)	manageme	-
				(2)	_	
Customer with 24 hrs supply (%)	12			(3)	Reduction	OI NKW
Annual complaints (Nos.)	150					
Major complaints			9. Past and On-going Projects and	Trainir	ıg	
	(1) Supply hours	minimum	(1) Past 10 years projects			
	, , , ,		Name		_	
	(2)		Ivaille			
	(2) Low pressure	!			-	
			Period		-	
	(3) Water qualit	y	Funding agency		-	
			Executing agency		-	
5. Financial Information (FY2010/11)			(2) Past 10 years projects			
					_	
Annual budget (Tk)	0		Name		-	
Annual revenue (Tk)	0				-	
Annual expenditure (Tk)	0		Period		-	
Annual O&M Costs (Tk)	0		Funding agency		-	
Annual billings (Tk)	0		Executing agency		_	
Annual collections (Tk)	0		On-going projects		-	
Water arrears (Tk)	50,000		Name		-	
Electricity arrears (Tk)	450,000				-	
Payment methods	, Bank		Period		-	
Self-billing	No		Funding agency		_	
Billing frequency	Monthly		Executing agency		-	
6. Water Tariff and Metering (See Ta	-		Training		0	
Tariff Structure	Based on pip	e size	Nos. of training		0	
			Nos. of Staff		0	
Domestic 13 mm (1/2") (Tk/month)	200		Name of training (1)		-	
Non-domestic lowest (Tk/month)	350		Name of training (2)			
			= : :			
Lowest volumetric charge (Tk/m³)	0		Name of training (3)		-	
D. Non-Piped Water Supply Area						
4 Marian Inc. Col. Table 1 Co. 1	l					iltration
1. Necessity of Piped Water Supply	ı		Main treatment method in dome	stic	, Boiling, , F	
1. Necessity of Piped Water Supply Necessity of				stic	, Boiling, , F 0	
Necessity of			As contaminated wells (Nos.)		0	
Necessity of Piped water	Yes		As contaminated wells (Nos.) Arsenic contaminated water supp		0 Not known	
Necessity of Piped water Water meter	Yes Yes		As contaminated wells (Nos.) Arsenic contaminated water supp Unhygienic drinking water (%)	ly (%)	0 Not known No survey o	
Necessity of Piped water	Yes Yes (1) Consumers wi	ll cautious to use the water event	As contaminated wells (Nos.) Arsenic contaminated water supp	ly (%)	0 Not known No survey o	lone
Necessity of Piped water Water meter	Yes Yes (1) Consumers wi (2) Misuse will pr		As contaminated wells (Nos.) Arsenic contaminated water supp Unhygienic drinking water (%) % of people using neighbor's well for drin	ly (%)	0 Not known No survey o 12 No sweet gro	lone ound water available,
Necessity of Piped water Water meter	Yes Yes (1) Consumers wi (2) Misuse will pr	event	As contaminated wells (Nos.) Arsenic contaminated water supp Unhygienic drinking water (%) % of people using neighbor's well for drin	ly (%)	0 Not known No survey of 12 No sweet gro Protected su	lone ound water available,
Necessity of Piped water Water meter	Yes Yes (1) Consumers wi (2) Misuse will pr	event	As contaminated wells (Nos.) Arsenic contaminated water supp Unhygienic drinking water (%) % of people using neighbor's well for drin	ly (%)	0 Not known No survey o 12 No sweet gro	lone ound water available,
Necessity of Piped water Water meter	Yes Yes (1) Consumers wi (2) Misuse will pr	event	As contaminated wells (Nos.) Arsenic contaminated water supp Unhygienic drinking water (%) % of people using neighbor's well for drin	ly (%)	0 Not known No survey of 12 No sweet gro Protected su	lone ound water available,
Necessity of Piped water Water meter Reasons	Yes Yes (1) Consumers wi (2) Misuse will pr (3) Consumers wi	event	As contaminated wells (Nos.) Arsenic contaminated water supp Unhygienic drinking water (%) % of people using neighbor's well for drir Problems in non-piped water supply	ly (%) aking area	0 Not known No survey of 12 No sweet gro Protected su available	ione ound water available, itable reserve pond are not
Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staf	Yes Yes (1) Consumers wi (2) Misuse will pr (3) Consumers wi	event	As contaminated wells (Nos.) Arsenic contaminated water supp Unhygienic drinking water (%) % of people using neighbor's well for drin Problems in non-piped water supply 3. Potential Water Sources for No	ly (%) aking area	Not known No survey of 12 No sweet gro Protected su available Water Su	ione ound water available, itable reserve pond are not upply System
Necessity of Piped water Water meter Reasons	Yes Yes (1) Consumers will pr (3) Consumers will	event	As contaminated wells (Nos.) Arsenic contaminated water supp Unhygienic drinking water (%) % of people using neighbor's well for drir Problems in non-piped water supply	ly (%) aking area	0 Not known No survey of 12 No sweet gro Protected su available	ione ound water available, itable reserve pond are not
Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staf	Yes Yes (1) Consumers wi (2) Misuse will pr (3) Consumers wi	event	As contaminated wells (Nos.) Arsenic contaminated water supp Unhygienic drinking water (%) % of people using neighbor's well for drin Problems in non-piped water supply 3. Potential Water Sources for No	ly (%) aking area	Not known No survey of 12 No sweet gro Protected su available Water Su	ione ound water available, itable reserve pond are not upply System
Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staf Average household income/month (Tk	Yes Yes (1) Consumers wi (2) Misuse will pr (3) Consumers wi	event	As contaminated wells (Nos.) Arsenic contaminated water supp Unhygienic drinking water (%) % of people using neighbor's well for drin Problems in non-piped water supply 3. Potential Water Sources for No Potential water sources	ly (%) aking area	0 Not known No survey of 12 No sweet gro Protected su available Water Su Evaluation	ione ound water available, itable reserve pond are not upply System
Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staf Average household income/month (Tk Affordability for piped water (Tk/mont Affordable price in total household income (%)	Yes Yes (1) Consumers wi (2) Misuse will pr (3) Consumers wi) 0 7,000 h) 350 5	event Il able to pay the bill according use.	As contaminated wells (Nos.) Arsenic contaminated water supp Unhygienic drinking water (%) % of people using neighbor's well for drin Problems in non-piped water supply 3. Potential Water Sources for No Potential water sources Shallow well Deep well	ly (%) aking area	0 Not known No survey of 12 No sweet gro Protected su available Water Su Evaluation 0	ione ound water available, itable reserve pond are not upply System
Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staf Average household income/month (Tk Affordability for piped water (Tk/mont Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped	Yes Yes (1) Consumers wi (2) Misuse will pr (3) Consumers wi) 0 7,000 h) 350 5 Water Supply	event II able to pay the bill according use.	As contaminated wells (Nos.) Arsenic contaminated water supp Unhygienic drinking water (%) % of people using neighbor's well for drin Problems in non-piped water supply 3. Potential Water Sources for No Potential water sources Shallow well Deep well Surface water sources	ly (%) aking area	0 Not known No survey of 12 No sweet gro Protected su available Water Su Evaluation 0 0	ound water available, itable reserve pond are not ipply System WQ problems
Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staf Average household income/month (Tk Affordability for piped water (Tk/mont Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Source	Yes Yes (1) Consumers wi (2) Misuse will pr (3) Consumers wi) 0 7,000 h) 350 5	event II able to pay the bill according use. Area E Drinking (%) Domestic (%)	As contaminated wells (Nos.) Arsenic contaminated water supp Unhygienic drinking water (%) % of people using neighbor's well for drin Problems in non-piped water supply 3. Potential Water Sources for No Potential water sources Shallow well Deep well Surface water sources Other sources	ly (%) aking area	0 Not known No survey of 12 No sweet gro Protected su available Water Su Evaluation 0	ione ound water available, itable reserve pond are not upply System
Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staf Average household income/month (Tk Affordability for piped water (Tk/mont Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped	Yes Yes (1) Consumers wi (2) Misuse will pr (3) Consumers wi) 0 7,000 h) 350 5 Water Supply	Area Drinking (%) Domestic (%) 2 0 30	As contaminated wells (Nos.) Arsenic contaminated water supp Unhygienic drinking water (%) % of people using neighbor's well for drin Problems in non-piped water supply 3. Potential Water Sources for No Potential water sources Shallow well Deep well Surface water sources Other sources	ly (%) aking area	0 Not known No survey of 12 No sweet gro Protected su available Water Su Evaluation 0 0	ound water available, itable reserve pond are not ipply System WQ problems
Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staf Average household income/month (Tk Affordability for piped water (Tk/mont Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Source	Yes Yes (1) Consumers wi (2) Misuse will pr (3) Consumers wi) 0 7,000 h) 350 5 Water Supply	event II able to pay the bill according use. Area E Drinking (%) Domestic (%)	As contaminated wells (Nos.) Arsenic contaminated water supp Unhygienic drinking water (%) % of people using neighbor's well for drin Problems in non-piped water supply 3. Potential Water Sources for No Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level	ly (%) aking area	0 Not known No survey of 12 No sweet gro Protected su available Water Su Evaluation 0 0	ound water available, itable reserve pond are not ipply System WQ problems
Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staf Average household income/month (Tk Affordability for piped water (Tk/mont Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Source River Shallow well	Yes Yes (1) Consumers wi (2) Misuse will pr (3) Consumers wi) 0 7,000 h) 350 5 Water Supply	Area E Drinking (%) Domestic (%) 2 0 30 3 1 5	As contaminated wells (Nos.) Arsenic contaminated water supp Unhygienic drinking water (%) % of people using neighbor's well for drin Problems in non-piped water supply 3. Potential Water Sources for No Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year)	ly (%) aking area	0 Not known No survey of 12 No sweet gro Protected su available Water Su Evaluation 0 0	ound water available, itable reserve pond are not ipply System WQ problems
Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staf Average household income/month (Tk Affordability for piped water (Tk/mont Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Source River Shallow well Deep well	Yes Yes (1) Consumers wi (2) Misuse will pr (3) Consumers wi) 0 7,000 h) 350 5 Water Supply	Area	As contaminated wells (Nos.) Arsenic contaminated water supp Unhygienic drinking water (%) % of people using neighbor's well for drin Problems in non-piped water supply 3. Potential Water Sources for No Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year) Deep well (m/year)	ly (%) aking area	0 Not known No survey of 12 No sweet gro Protected su available Water Su Evaluation 0 0	ound water available, itable reserve pond are not ipply System WQ problems
Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staf Average household income/month (Tk Affordability for piped water (Tk/mont Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Source River Shallow well	Yes Yes (1) Consumers wi (2) Misuse will pr (3) Consumers wi) 0 7,000 h) 350 5 Water Supply	Area E Drinking (%) Domestic (%) 2 0 30 3 1 5	As contaminated wells (Nos.) Arsenic contaminated water supp Unhygienic drinking water (%) % of people using neighbor's well for drin Problems in non-piped water supply 3. Potential Water Sources for No Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year) Deep well (m/year)	ly (%) aking area	0 Not known No survey of 12 No sweet gro Protected su available Water Su Evaluation 0 0	ound water available, itable reserve pond are not ipply System WQ problems

Monohordi With Piped Water Supply System

A. Pourashava Profile Class C Sanitation coverage Dhaka Division Latrine with septic tank (%) 20 District Narshingdi Water sealed slab latrine (%) 75 Year established 2002 Water-related diseases , Diarrhea, , , Dysentery, Contact Tel/Fax 560273 Technical staff (Nos.) E-mail Population (FY2010/2011) 23,337 Financial statements (2010/2011) Nos. of households (FY2010/2011) 49,039,684 5.000 Annual budget (Tk) Literacy (%) 75 Revenue (Tk) 14.357.866 Land area (km²) 7 Expenditure (Tk) 12,369,500 Residential area (km²) 4 Computerization Residential area pop. density (persons/ha) 59 Electricity coverage (%) 95 Electricity availability (hrs) Committee formed Summer TLCC /Frequency of meeting 8 No Winter 16 WATSAN/Frequency of meeting No **B. Key Performance Indicators (Efficiency Indicators)** Water supply coverage (%) Metering ratio (%) Per capita produced water (L/d/ca) Operating ratio (%) Supply Hour (Hrs) No water supply service Collection ratio in amount (%) Non-revenue water (NRW) (%) Collection period (days) Pipe leakage ratio (point/km) Staffs/ 1,000 connections (ratio) Average revenue (Tk/m3 produced) Electricity arrear to annual revenue (%) Average O&M cost (Tk/m3 produced) Pipe leakage ratio Water supply (point/km) coverage (%) 10 8 Electricity arrear Per capita Average O&M cost 6 Collection ratio in to annual revenue oroduced water (Tk/m3 produced) amount (%) 4 (%) (L/d/ca) 0 0 Staffs/ 1,000 Operating ratio (%) Metering ratio (%) Supply hours (hrs) connections (ratio) Collection period Average revenue (davs) (Tk/m3 produced) **Overall performance of Positive Pls Overall performance of Negative PIs** C. Water Supply Profile 1. General Information of Water Supply Section Chlorination points (Nos.) Water section established (year) Not formed PTW IRP/AIRP 2003 Piped system introduced (year) Pourashava responsibility 0&M,, Surface WTP Bulk flow meters (Nos.) 0 Computerization/Automation None, , , , , , Bulk flow meter readings (Nos.) 0 Total production, Summer (m³/day) Staff in water section (Nos.) (2) Distribution In which, staff with diploma or higher n Overhead tank Ω qualification (Nos.) 2. Water Supply System Overhead tanks (Nos.) 0 Operation of water supply facilities Not in operation Total capacity (m³) 0 (1) Production Distribution network (km): 11.500 Water sources for piped system Groundwater, Leakages in distribution (Nos.) Production tube well (3) O&M Problems PTW (Nos.) Production wells PTW not in operation (Nos.) 3 Ave. depth (m) 303 Pump Capacity at commission (m³/hrs) 0 0 Treatment plant Ave. current capacity per unit (m³/hrs) Ave. production hours, Summer (hrs/day) 0 Total production, Summer (m³/day) 0 Pipeline Teatment plants (Nos.) AIRP 0 Customer water meter IRP 0 0 Surface water treatment plants House connection 0 Plants not in operation Production of plant 0 O&M manuals (Nos.) Total capacity (m³/hrs) O&M assistance form DPHE 0 No Production hours, Summer (hrs/day) 0 Annual leakages (Nos.) Total production (m³/day) n Leakage detection activity

3. Needs of Rehabilitation and Expansio			
	n	House connection fee (1/2") (Tk)	No water supply service
Rehabilitation		Tariff adopted year	No water tariff
Production tube well	-	Tariff setting policy	,,,,,
Treatment plant	-		
Distribution network	_	7. Water Quality Monitoring	
Expansion		Water quality monitoring plan	_
· ·	Vac		
Production tube well	Yes	Parameters checked	-
Treatment plant	Yes	Frequency of quality test	-
Distribution network	Yes	Nos. of sampling location /year	-
4. Customer Service (Service indicators)		Water quality problems	
Coverage area (km²)	No water supply service		
Population served (people)	No water supply service		
		O. Duahlama and Drianita Nacada	
Service connections (Nos.)	0	8. Problems and Priority Needs	
Domestic	0	Major 3 problems	
Public tap/ stand pipe	0	(1)	-
Public institutions	0		
Commercial & industrial	0	(2)	
Others	0	` '	-
	0	(2)	
Total	U	(3)	-
Metered connections (Nos.)			
Applications outstanding (Nos.)	-	Major 3 priority needs	
New connections in 2010/2011 (Nos.)		(1)	-
Average waiting time (days)	i.		
Water pressure at the end of network		(2)	_
	No water supply service	(2)	
Continuity of service (hrs/day)	No water supply service		
Customer with 24 hrs supply (%)	No water supply service	(3)	-
Annual complaints (Nos.)	No water supply service		
Major complaints		9. Past and On-going Projects and Trainir	ıg
(1)	(1) Past 10 years projects	
,		Name	_
,.		Name	
(2)		-
		Period	-
(3	.)	Funding agency	-
		Executing agency	-
5. Financial Information (FY2010/11)		(2) Past 10 years projects	_
Annual budget (Tk)	0	Name	_
	0	Nume	
Annual revenue (Tk)			-
Annual expenditure (Tk)	0	Period	-
Annual O&M Costs (Tk)	0	Funding agency	-
Annual billings (Tk)	0	Executing agency	-
Annual collections (Tk)	0	On-going projects	-
Water arrears (Tk)	0	Name	_
, /		Name	
Electricity arrears (Tk)	No water supply service		·
Payment methods	,	Period	-
Self-billing		Funding agency	l.
Dilling from the second		0 0 ,	
Billing frequency	0	Executing agency	-
6. Water Tariff and Metering (See Tariff			- 0
5 , ,		Executing agency Training	- 0 0
6. Water Tariff and Metering (See Tariff	Database)	Executing agency Training Nos. of training	0
6. Water Tariff and Metering (See Tariff Tariff Structure	f Database) 0	Executing agency Training Nos. of training Nos. of Staff	Ť
6. Water Tariff and Metering (See Tariff Tariff Structure Domestic 13 mm (1/2") (Tk/month)	f Database) 0	Executing agency Training Nos. of training Nos. of Staff Name of training (1)	0
6. Water Tariff and Metering (See Tariff Tariff Structure	f Database) 0	Executing agency Training Nos. of training Nos. of Staff	0
6. Water Tariff and Metering (See Tariff Tariff Structure Domestic 13 mm (1/2") (Tk/month)	f Database) 0	Executing agency Training Nos. of training Nos. of Staff Name of training (1)	0
6. Water Tariff and Metering (See Tariff Tariff Structure Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m ³)	f Database) 0 0 0	Executing agency Training Nos. of training Nos. of Staff Name of training (1) Name of training (2)	0
6. Water Tariff and Metering (See Tariff Tariff Structure Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m ³) D. Non-Piped Water Supply Area	f Database) 0 0 0	Executing agency Training Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3)	0 0
6. Water Tariff and Metering (See Tariff Tariff Structure Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m ³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply	f Database) 0 0 0	Executing agency Training Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic	0 0 - - - None,,,
6. Water Tariff and Metering (See Tariff Tariff Structure Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m ³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of	f Database) 0 0 0 0	Executing agency Training Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.)	O O O O O O O O O O O O O O O O O O O
6. Water Tariff and Metering (See Tariff Tariff Structure Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water	f Database) 0 0 0 0 0 Yes	Executing agency Training Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%)	O O O O O O O O O O O O O O O O O O O
6. Water Tariff and Metering (See Tariff Tariff Structure Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m ³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of	f Database) 0 0 0 0	Executing agency Training Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.)	O O O O O O O O O O O O O O O O O O O
6. Water Tariff and Metering (See Tariff Tariff Structure Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water	f Database) 0 0 0 0 Ves Yes To control water wastage.	Executing agency Training Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%)	O O O O O O O O O O O O O O O O O O O
6. Water Tariff and Metering (See Tariff Tariff Structure Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	f Database) 0 0 0 0 0 Yes	Executing agency Training Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%)	O O O O O O O O O O O O O O O O O O O
6. Water Tariff and Metering (See Tariff Tariff Structure Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	f Database) 0 0 0 0 Ves Yes To control water wastage.	Executing agency Training Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	O O O O O O O O O O O O O O O O O O O
6. Water Tariff and Metering (See Tariff Tariff Structure Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	f Database) 0 0 0 0 Ves Yes To control water wastage.	Executing agency Training Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	O O O O O O O O O O O O O O O O O O O
6. Water Tariff and Metering (See Tariff Tariff Structure Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	f Database) 0 0 0 0 Ves Yes To control water wastage.	Executing agency Training Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	O O O O O O O O O O O O O O O O O O O
6. Water Tariff and Metering (See Tariff Tariff Structure Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons	Patabase) O O O Ves Yes Yes To control water wastage. To minimize social conflict.	Executing agency Training Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area	O O O None, , , Do not know Do not know Do not know Iron problem, Water table declination
6. Water Tariff and Metering (See Tariff Tariff Structure Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	f Database) 0 0 0 0 Ves Yes To control water wastage.	Executing agency Training Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	O O O O O O O O O O O O O O O O O O O
6. Water Tariff and Metering (See Tariff Tariff Structure Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons	Patabase) O O O Ves Yes Yes To control water wastage. To minimize social conflict.	Executing agency Training Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area	O O O None, , , Do not know Do not know Do not know Iron problem, Water table declination
6. Water Tariff and Metering (See Tariff Tariff Structure Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff)	Patabase) O O O O Ves Yes Yes To control water wastage. To minimize social conflict.	Executing agency Training Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area	O O O O O O O O O O O O O O O O O O O
6. Water Tariff and Metering (See Tariff Tariff Structure Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk)	Patabase) O O O O Ves Yes Yes To control water wastage. To minimize social conflict.	Executing agency Training Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piped Potential water sources Shallow well	O O O O O O O O O O O O O O O O O O O
6. Water Tariff and Metering (See Tariff Tariff Structure Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%)	Patabase) O O O O Yes Yes Yes To control water wastage. To minimize social conflict. O 12,000 200 2	Executing agency Training Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piped Potential water sources Shallow well Deep well	O O O O O O O O O O O O O O O O O O O
6. Water Tariff and Metering (See Tariff Tariff Structure Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped V	Patabase) O O O O Ves Yes Yes To control water wastage. To minimize social conflict. O 12,000 200 2 Vater Supply Area	Executing agency Training Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piped Potential water sources Shallow well Deep well Surface water sources	None, , , Do not know Do not know Do not know G Iron problem, Water table declination Water Supply System Evaluation WQ problems Moderate Iron High Iron
6. Water Tariff and Metering (See Tariff Tariff Structure Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped V	Patabase) O O O O O O Ves Yes Yes To control water wastage. To minimize social conflict. O 12,000 200 2 Vater Supply Area Nos. of source Drinking (%) Domestic (%)	Executing agency Training Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piped Potential water sources Shallow well Deep well Surface water sources Other sources	O O O O O O O O O O O O O O O O O O O
6. Water Tariff and Metering (See Tariff Tariff Structure Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped V	Database 0	Executing agency Training Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piped Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level	None, , , Do not know Do not know Do not know G Iron problem, Water table declination Water Supply System Evaluation WQ problems Moderate Iron High Iron
6. Water Tariff and Metering (See Tariff Tariff Structure Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped V Source	Patabase) O O O O O O Ves Yes Yes To control water wastage. To minimize social conflict. O 12,000 200 2 Vater Supply Area Nos. of source Drinking (%) Domestic (%)	Executing agency Training Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piped Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level	None, , , Do not know Do not know Do not know G Iron problem, Water table declination Water Supply System Evaluation WQ problems Moderate Iron High Iron
6. Water Tariff and Metering (See Tariff Tariff Structure Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped V Source River	Database 0	Executing agency Training Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piped Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year)	None, , , Do not know Do not know Do not know 6 Iron problem, Water table declination Water Supply System Evaluation WQ problems Moderate Iron High Iron No 0
6. Water Tariff and Metering (See Tariff Tariff Structure Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped V Source River Shallow well	Database 0	Executing agency Training Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piped Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year) Deep well (m/year)	None, , , Do not know Do not know Do not know 6 Iron problem, Water table declination Water Supply System Evaluation WQ problems Moderate Iron High Iron No 0
6. Water Tariff and Metering (See Tariff Tariff Structure Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped V Source River Shallow well Deep well	Database 0	Executing agency Training Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piped Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year) Deep well (m/year)	None, , , Do not know Do not know Do not know 6 Iron problem, Water table declination Water Supply System Evaluation WQ problems Moderate Iron High Iron No 0

Moulavibazar With Piped Water Supply System

Moulavibazar			With Piped Water Supply Syster
A. Pourashava Profile			
Class	A	Sanitation coverage	
Division	Sylhet	· · · · · · · · · · · · · · · · · · ·	70
	· ·	Latrine with septic tank (%)	
District	Moulavibazar	Water sealed slab latrine (%)	20
Year established	1887	Water-related diseases	,,,,,
Contact Tel/Fax	Tel: 0861-63081, 0861-63086Fax: 0861	-63083	
E-mail	municipalitymb@yahoo.com	Technical staff (Nos.)	6
Population (FY2010/2011)	150,000	Financial statements (2010/2011)	
Nos. of households (FY2010/2011)	30,000	Annual budget (Tk)	405,699,468
Literacy (%)	42	Revenue (Tk)	161,799,318
Land area (km²)	10	Expenditure (Tk)	159,882,950
Residential area (km²)	6	Computerization	Holding tax management, Accounting, Trade
Residential area pop. density (persons/ha)	263		license, Salary payment, Rate schedule and
	100		estimate preparation, Engineering, Yearly logical budget preparation, Procurement,
Electricity coverage (%)	100	0 (logical badget preparation, recurement,
Electricity availability (hrs)		Committee formed	
Summer	18	TLCC /Frequency of meeting	Yes, 4 months
Winter	22	WATSAN/Frequency of meeting	Yes, 1 month
B. Key Performance Indicators (Eff	iciency Indicators)		
Water supply coverage (%)	40	Metering ratio (%)	58
Per capita produced water (L/d/ca)	5	Operating ratio (%)	75
Supply Hour (Hrs)	6	Collection ratio in amount (%)	97
Non-revenue water (NRW) (%)	15-20	Collection period (days)	240
Pipe leakage ratio (point/km)	3.4	Staffs/ 1,000 connections (ratio)	6
Average revenue (Tk/m3 produced)	37.6	Electricity arrear to annual revenue (%)	125
		Electricity arrear to annual revenue (%)	123
Average O&M cost (Tk/m3 produced)	28.2		
Water sup		Pipe leakage ratio	
coverage (%)	(point/km)	
10		10	
Collection ratio in 6	Per capita	Electricity arrear	Average O&M
amount (%)	produced water (L/d/ca)	to annual revenue	cost (Tk/m3 produced)
2	(L/u/ca)	(70)	produced)
		Staffs/ 1,000	
Metering ratio (%)	Supply hours (hrs)	connections	Operating ratio
		(ratio)	(%)
Average rev		Collection period	
(Tk/m3 prod	·	(days)	
Overall performan	ice of Positive PIS	Overall performance	of Negative PIs
C. Water Supply Profile			
c. water supply Profile			
C. Water Supply Profile 1. General Information of Water Supply	Section	Chlorination points (Nos.)	
	Section 1991	Chlorination points (Nos.) PTW	0
1. General Information of Water Supply			0
1. General Information of Water Supply Water section established (year)	1991	PTW	
General Information of Water Supply Water section established (year) Piped system introduced (year)	1991 1981	PTW IRP/AIRP	0
1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility	1991 1981 O&M, Construction of water supply facilities, Part of construction	PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.)	0 0 5
General Information of Water Supply Water section established (year) Piped system introduced (year)	1991 1981 O&M, Construction of water supply	PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.)	0 0 5 5
1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation	1991 1981 O&M, Construction of water supply facilities, Part of construction , Billing, Accounting, , , ,	PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m ³ /day)	0 0 5
1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.)	1991 1981 O&M, Construction of water supply facilities, Part of construction	PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.)	0 0 5 5
1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher	1991 1981 O&M, Construction of water supply facilities, Part of construction , Billing, Accounting, , , ,	PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m ³ /day)	0 0 5 5
1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.)	1991 1981 O&M, Construction of water supply facilities, Part of construction , Billing, Accounting, , , ,	PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank	0 0 5 5 3 310
1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System	1991 1981 O&M, Construction of water supply facilities, Part of construction , Billing, Accounting, , , , 17	PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.)	0 0 5 5 3 310 0
1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities	1991 1981 O&M, Construction of water supply facilities, Part of construction , Billing, Accounting, , , ,	PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³)	0 0 5 5 3 310 0 1 450
1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production	1991 1981 O&M, Construction of water supply facilities, Part of construction , Billing, Accounting, , , , 17 2 In operation	PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km):	0 0 5 5 310 0 1 450 35,301
1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system	1991 1981 O&M, Construction of water supply facilities, Part of construction , Billing, Accounting, , , , 17	PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.)	0 0 5 5 3 310 0 1 450
1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production	1991 1981 O&M, Construction of water supply facilities, Part of construction , Billing, Accounting, , , , 17 2 In operation Groundwater,	PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km):	0 0 5 5 5 310 0 1 450 35,301 120
1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system	1991 1981 O&M, Construction of water supply facilities, Part of construction , Billing, Accounting, , , , 17 2 In operation	PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.)	0 0 5 5 310 0 1 450 35,301
1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well	1991 1981 O&M, Construction of water supply facilities, Part of construction , Billing, Accounting, , , , 17 2 In operation Groundwater,	PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems	0 0 5 5 5 310 0 1 450 35,301 120
1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.)	1991 1981 O&M, Construction of water supply facilities, Part of construction , Billing, Accounting, , , , 17 2 In operation Groundwater,	PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems	0 0 5 5 5 310 0 1 450 35,301 120
1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m)	1991 1981 O&M, Construction of water supply facilities, Part of construction , Billing, Accounting, , , , 17 2 In operation Groundwater, 5 0	PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells	0 0 5 5 5 310 0 1 450 35,301 120 Decreasing production
1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs)	1991 1981 O&M, Construction of water supply facilities, Part of construction , Billing, Accounting, , , , 17 2 In operation Groundwater, 5 0 147 62	PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells	0 0 5 5 5 310 0 1 450 35,301 120 Decreasing production
1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs) Ave. current capacity per unit (m³/hrs)	1991 1981 O&M, Construction of water supply facilities, Part of construction , Billing, Accounting, , , , 17 2 In operation Groundwater, 5 0 147 62 52	PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells	0 0 5 5 5 310 0 1 450 35,301 120 Decreasing production
1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs) Ave. current capacity per unit (m³/hrs) Ave. production hours, Summer (hrs/day)	1991 1981 O&M, Construction of water supply facilities, Part of construction , Billing, Accounting, , , , 17 2 In operation Groundwater, 5 0 147 62 52 17	PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells Pump Treatment plant	0 0 5 5 5 310 0 1 450 35,301 120 Decreasing production No additional pump motor
1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs) Ave. current capacity per unit (m³/hrs) Ave. production hours, Summer (hrs/day) Total production, Summer (m³/day)	1991 1981 O&M, Construction of water supply facilities, Part of construction , Billing, Accounting, , , , 17 2 In operation Groundwater, 5 0 147 62 52	PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells	0 0 5 5 5 310 0 1 450 35,301 120 Decreasing production
1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs) Ave. current capacity per unit (m³/hrs) Ave. production hours, Summer (hrs/day) Total production, Summer (m³/day) Teatment plants (Nos.)	1991 1981 O&M, Construction of water supply facilities, Part of construction , Billing, Accounting, , , , 17 2 In operation Groundwater, 5 0 147 62 52 17 310	PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells Pump Treatment plant Pipeline	0 0 5 5 5 310 0 1 450 35,301 120 Decreasing production No additional pump motor - Leakage occurs due to GI fittings in existing network
1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs) Ave. current capacity per unit (m³/hrs) Ave. production hours, Summer (hrs/day) Total production, Summer (m³/day) Teatment plants (Nos.) AIRP	1991 1981 O&M, Construction of water supply facilities, Part of construction , Billing, Accounting, , , , 17 2 In operation Groundwater, 5 0 147 62 52 17 310 0	PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells Pump Treatment plant	0 0 5 5 5 310 0 1 450 35,301 120 Decreasing production No additional pump motor - Leakage occurs due to GI fittings in existing network Additional water meter for replacement
1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs) Ave. current capacity per unit (m³/hrs) Ave. production hours, Summer (hrs/day) Total production, Summer (m³/day) Teatment plants (Nos.)	1991 1981 O&M, Construction of water supply facilities, Part of construction , Billing, Accounting, , , , 17 2 In operation Groundwater, 5 0 147 62 52 17 310	PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells Pump Treatment plant Pipeline	0 0 5 5 5 310 0 1 450 35,301 120 Decreasing production No additional pump motor - Leakage occurs due to GI fittings in existing network
1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs) Ave. current capacity per unit (m³/hrs) Ave. production hours, Summer (hrs/day) Total production, Summer (m³/day) Teatment plants (Nos.) AIRP	1991 1981 O&M, Construction of water supply facilities, Part of construction , Billing, Accounting, , , , 17 2 In operation Groundwater, 5 0 147 62 52 17 310 0	PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells Pump Treatment plant Pipeline	0 0 5 5 5 310 0 1 450 35,301 120 Decreasing production No additional pump motor - Leakage occurs due to GI fittings in existing network Additional water meter for replacement (currently no W/M - out of stock) Sometimes leakage occurs in the clamp
1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs) Ave. current capacity per unit (m³/hrs) Ave. production hours, Summer (hrs/day) Total production, Summer (m³/day) Teatment plants (Nos.) AIRP IRP	1991 1981 O&M, Construction of water supply facilities, Part of construction , Billing, Accounting, , , , 17 2 In operation Groundwater, 5 0 147 62 52 17 310 0 0	PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells Pump Treatment plant Pipeline Customer water meter	0 0 5 5 5 310 0 1 450 35,301 120 Decreasing production No additional pump motor - Leakage occurs due to GI fittings in existing network Additional water meter for replacement (currently no W/M - out of stock)
1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs) Ave. current capacity per unit (m³/hrs) Ave. production hours, Summer (hrs/day) Total production, Summer (m³/day) Teatment plants (Nos.) AIRP IRP Surface water treatment plants Plants not in operation	1991 1981 O&M, Construction of water supply facilities, Part of construction , Billing, Accounting, , , , 17 2 In operation Groundwater, 5 0 147 62 52 17 310 0 0 0	PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells Pump Treatment plant Pipeline Customer water meter House connection	0 0 5 5 5 310 0 1 450 35,301 120 Decreasing production No additional pump motor - Leakage occurs due to GI fittings in existing network Additional water meter for replacement (currently no W/M - out of stock) Sometimes leakage occurs in the clamp
1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs) Ave. current capacity per unit (m³/hrs) Ave. production hours, Summer (hrs/day) Total production, Summer (m³/day) Teatment plants (Nos.) AIRP IRP Surface water treatment plants Plants not in operation Production of plant	1991 1981 O&M, Construction of water supply facilities, Part of construction , Billing, Accounting, , , , 17 2 In operation Groundwater, 5 0 147 62 52 17 310 0 0 0 0 0	PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells Pump Treatment plant Pipeline Customer water meter House connection O&M manuals (Nos.)	0 0 5 5 5 310 0 1 450 35,301 120 Decreasing production No additional pump motor - Leakage occurs due to GI fittings in existing network Additional water meter for replacement (currently no W/M - out of stock) Sometimes leakage occurs in the clamp point (saddle, GI, MS) 4
1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs) Ave. current capacity per unit (m³/hrs) Ave. production hours, Summer (hrs/day) Total production, Summer (m³/day) Teatment plants (Nos.) AIRP IRP Surface water treatment plants Plants not in operation Production of plant Total capacity (m³/hrs)	1991 1981 O&M, Construction of water supply facilities, Part of construction , Billing, Accounting, , , , 17 2 In operation Groundwater, 5 0 147 62 52 17 310 0 0 0 0 0 0	PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells Pump Treatment plant Pipeline Customer water meter House connection O&M manuals (Nos.) O&M assistance form DPHE	0 0 5 5 5 310 0 1 450 35,301 120 Decreasing production No additional pump motor - Leakage occurs due to GI fittings in existing network Additional water meter for replacement (currently no W/M - out of stock) Sometimes leakage occurs in the clamp point (saddle, GI, MS) 4 No
1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs) Ave. current capacity per unit (m³/hrs) Ave. production hours, Summer (hrs/day) Total production, Summer (m³/day) Teatment plants (Nos.) AIRP IRP Surface water treatment plants Plants not in operation Production of plant	1991 1981 O&M, Construction of water supply facilities, Part of construction , Billing, Accounting, , , , 17 2 In operation Groundwater, 5 0 147 62 52 17 310 0 0 0 0 0	PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells Pump Treatment plant Pipeline Customer water meter House connection O&M manuals (Nos.)	0 0 5 5 5 310 0 1 450 35,301 120 Decreasing production No additional pump motor - Leakage occurs due to GI fittings in existing network Additional water meter for replacement (currently no W/M - out of stock) Sometimes leakage occurs in the clamp point (saddle, GI, MS) 4

3. Needs of Rehabilitation and Expar	sion	House connection fee (1/2") (Tk)	500
Rehabilitation		Tariff adopted year	Jul, 2010
Production tube well	Yes	Tariff setting policy	,,,,,
Treatment plant	No	Joean, g poney	
'			
Distribution network	Yes	7. Water Quality Monitoring	
Expansion		Water quality monitoring plan	Yes
Production tube well	No	Parameters checked	As, Fe, Mg
			When we feel need
Treatment plant	Yes	Frequency of quality test	
Distribution network	Yes	Nos. of sampling location /year	10
4. Customer Service (Service indicate	rs)	Water quality problems	Some contamination from leakage of
Coverage area (km²)	4		pipeline & house connection
Population served (people)	60,000		
Service connections (Nos.)	2,729	8. Problems and Priority Needs	
Domestic	2,313	Major 3 problems	
Public tap/ stand pipe	0	(1)	Low coverage
Public institutions	108	. ,	
		(2)	In a sefficient to aboring I and
Commercial & industrial	221	(2)	Insufficient technical and
Others	87		management capacity
Total	2,729	(3)	No additional motor pump for
Metered connections (Nos.)	1,587	. ,	PTW for crisis
· · ·		Major 2 priority reads	
Applications outstanding (Nos.)	0	Major 3 priority needs	
New connections in 2010/2011 (Nos.	0	(1)	Production well and pump
Average waiting time (days)	0		
Water pressure at the end of network	, , Low,	(2)	Reduction of NRW
		(2)	3, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,
Continuity of service (hrs/day)	6		L
Customer with 24 hrs supply (%)	0	(3)	Enhancing customer services
Annual complaints (Nos.)	120		and public relations
Major complaints		9. Past and On-going Projects and Traini	ng
ajo. copianico	(1) Low pressure		
	(1) Low pressure	(1) Past 10 years projects	
		Name	-
	(2) Bill is expensive (to reduce from		-
	arrear dues)	Period	_
	· ·		
	(3) Leakage repair by WS of Pourashava	Funding agency	-
	within the house	Executing agency	-
5. Financial Information (FY2010/11)		(2) Past 10 years projects	-
Annual budget (Tk)	0	Name	_
Annual revenue (Tk)	4,252,491		
` '			
Annual expenditure (Tk)	4,133,395	Period	-
Annual O&M Costs (Tk)	3,191,855	Funding agency	-
Annual billings (Tk)	2,450,378	Executing agency	-
- · · · · · · · · · · · · · · · · · · ·			
Annual collections (Tk)	2,384,515	On-going projects	
Water arrears (Tk)	2,800,000	Name	-
Electricity arrears (Tk)	5,300,000		STWSSP
Payment methods	, Bank	Period	2008-2013
Self-billing			ADB-GOB
	No	Funding agency	
Billing frequency	Monthly	Executing agency	DPHE & Pourashava jointly
6. Water Tariff and Metering (See Ta	riff Database)	Training	-
Tariff Structure	Metered rate	Nos. of training	2
		Nos. of Staff	9
Demostic 42 (4 (01) (7) (200		
Domestic 13 mm (1/2") (Tk/month)	200	Name of training (1)	
			Water metering
Non-domestic lowest (Tk/month)	350	Name of training (2)	Repair & maintenance
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m ³)			-
Lowest volumetric charge (Tk/m³)	350 6	Name of training (2)	-
Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Are	350 6	Name of training (2) Name of training (3)	Repair & maintenance
Lowest volumetric charge (Tk/m³)	350 6	Name of training (2)	-
Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Are	350 6	Name of training (2) Name of training (3)	Repair & maintenance
Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Are 1. Necessity of Piped Water Supply Necessity of	350 6 a	Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.)	Repair & maintenance - , Boiling, , Filtration 0
Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Are 1. Necessity of Piped Water Supply Necessity of Piped water	350 6 a Yes	Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%)	Repair & maintenance - , Boiling, , Filtration 0
Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Are 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	350 6 a Yes No	Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%)	Repair & maintenance , Boiling, , Filtration 0 0
Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Are 1. Necessity of Piped Water Supply Necessity of Piped water	350 6 Yes No Only multiusers need water meter. The customer	Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%)	Repair & maintenance - , Boiling, , Filtration 0
Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Are 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	350 6 a Yes No	Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%)	Repair & maintenance , Boiling, , Filtration 0 0 5 Aquifer problem in underground
Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Are 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	350 6 Yes No Only multiusers need water meter. The customer	Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	Repair & maintenance , Boiling, , Filtration 0 0 5 Aquifer problem in underground source, Hilly region so that installation
Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Are 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	350 6 Yes No Only multiusers need water meter. The customer	Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	Repair & maintenance , Boiling, , Filtration 0 0 5 Aquifer problem in underground
Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Are 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	350 6 Yes No Only multiusers need water meter. The customer	Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	Repair & maintenance , Boiling, , Filtration 0 0 5 Aquifer problem in underground source, Hilly region so that installation
Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Are 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	350 6 Yes No Only multiusers need water meter. The customer	Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area	Repair & maintenance , Boiling, , Filtration 0 0 5 Aquifer problem in underground source, Hilly region so that installation of piped water is difficult
Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Are 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	350 6 Yes No Only multiusers need water meter. The customer who use less water, they need diameter basis bill	Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	Repair & maintenance , Boiling, , Filtration 0 0 5 Aquifer problem in underground source, Hilly region so that installation of piped water is difficult
Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Are 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava state)	Yes No Only multiusers need water meter. The customer who use less water, they need diameter basis bill	Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area	Repair & maintenance , Boiling, , Filtration 0 0 5 Aquifer problem in underground source, Hilly region so that installation of piped water is difficult d Water Supply System
Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Are 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava state) Average household income/month (T	350 6 Yes No Only multiusers need water meter. The customer who use less water, they need diameter basis bill ff) 0 8,000	Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources	Repair & maintenance , Boiling, , Filtration 0 0 5 Aquifer problem in underground source, Hilly region so that installation of piped water is difficult d Water Supply System Evaluation WQ problems
Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Are 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava state) Average household income/month (Talfordability for piped water (Tk/mon	Yes No Only multiusers need water meter. The customer who use less water, they need diameter basis bill off) s, 8,000 th) 300	Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well	Repair & maintenance , Boiling, , Filtration 0 0 0 5 Aquifer problem in underground source, Hilly region so that installation of piped water is difficult d Water Supply System Evaluation WQ problems None Iron
Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Are 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava state Average household income/month (Tate Affordability for piped water (Tk/monaffordabile price in total household income (%)	yes No Only multiusers need water meter. The customer who use less water, they need diameter basis bill ff) 0 s) 8,000 th) 300 4	Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources	Repair & maintenance , Boiling, , Filtration 0 0 5 Aquifer problem in underground source, Hilly region so that installation of piped water is difficult d Water Supply System Evaluation WQ problems
Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Are 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava state) Average household income/month (Tate) Affordability for piped water (Tk/mor	yes No Only multiusers need water meter. The customer who use less water, they need diameter basis bill ff) 0 s) 8,000 th) 300 4	Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well	Repair & maintenance , Boiling, , Filtration 0 0 0 5 Aquifer problem in underground source, Hilly region so that installation of piped water is difficult d Water Supply System Evaluation WQ problems None Iron
Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Are 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava state Average household income/month (The Affordability for piped water (Tk/mone Affordability for piped water (Tk/mone Affordability for piped water (Tk/mone)	yes No Only multiusers need water meter. The customer who use less water, they need diameter basis bill ff) 0 8,000 th) 300 4 d Water Supply Area	Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources	Repair & maintenance , Boiling, , Filtration 0 0 0 5 Aquifer problem in underground source, Hilly region so that installation of piped water is difficult d Water Supply System Evaluation WQ problems None Iron None Fe (75 %) High No, after treatment
Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Are 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava state Average household income/month (Tale Affordability for piped water (Tk/monal Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Source	350 6 Yes No Only multiusers need water meter. The customer who use less water, they need diameter basis bill ff) 0 (s) 8,000 (th) 300 4 d Water Supply Area Nos. of source Drinking (%) Domestic (%)	Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources	Repair & maintenance , Boiling, , Filtration 0 0 5 Aquifer problem in underground source, Hilly region so that installation of piped water is difficult d Water Supply System Evaluation WQ problems None Iron None Fe (75 %)
Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Are 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava state Average household income/month (Treatfordability for piped water (Tk/mone) Affordability for piped water (Tk/mone)	Yes No Only multiusers need water meter. The customer who use less water, they need diameter basis bill ff) 0 (s) 8,000 th) 300 4 d Water Supply Area Nos. of source Drinking (%) Domestic (%) 1 0 10	Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level	Repair & maintenance , Boiling, , Filtration 0 0 0 5 Aquifer problem in underground source, Hilly region so that installation of piped water is difficult d Water Supply System Evaluation WQ problems None Iron None Fe (75 %) High No, after treatment No -
Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Are 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava state Average household income/month (Tale Affordability for piped water (Tk/monal Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Source	350 6 Yes No Only multiusers need water meter. The customer who use less water, they need diameter basis bill ff) 0 (s) 8,000 (th) 300 4 d Water Supply Area Nos. of source Drinking (%) Domestic (%)	Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level	Repair & maintenance , Boiling, , Filtration 0 0 0 5 Aquifer problem in underground source, Hilly region so that installation of piped water is difficult d Water Supply System Evaluation WQ problems None Iron None Fe (75 %) High No, after treatment
Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Are 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava state Average household income/month (Taffordability for piped water (Tk/monaffordable price in total household income (%) 2. Exiting Water Sources in Non-Piper Source River	Yes No Only multiusers need water meter. The customer who use less water, they need diameter basis bill ff) 0 (s) 8,000 th) 300 4 d Water Supply Area Nos. of source Drinking (%) Domestic (%) 1 0 10	Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year)	Repair & maintenance , Boiling, , Filtration 0 0 5 Aquifer problem in underground source, Hilly region so that installation of piped water is difficult d Water Supply System Evaluation WQ problems None Iron None Fe (75 %) High No, after treatment No -
Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Are 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava state Average household income/month (Tallordability for piped water (Tk/monaffordabile price in total household income (%) 2. Exiting Water Sources in Non-Piper Source River Shallow well	Yes No Only multiusers need water meter. The customer who use less water, they need diameter basis bill ff) 0 (x) 8,000 (th) 300 4 d Water Supply Area Nos. of source Drinking (%) Domestic (%) 1 0 10 3,750 50 30	Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year) Deep well (m/year)	Repair & maintenance , Boiling, , Filtration 0 0 5 Aquifer problem in underground source, Hilly region so that installation of piped water is difficult d Water Supply System Evaluation WQ problems None Iron None Fe (75 %) High No, after treatment No -
Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Are 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava state Average household income/month (Tallordability for piped water (Tk/monaffordabile price in total household income (%) 2. Exiting Water Sources in Non-Piper Source River Shallow well Deep well	350 6 Yes No Only multiusers need water meter. The customer who use less water, they need diameter basis bill ff) 0 8,000 4 d Water Supply Area Nos. of source Drinking (%) Domestic (% 3,750 50 3(3,750 50 50 9 0 10	Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year) Deep well (m/year)	Repair & maintenance , Boiling, , Filtration 0 0 5 Aquifer problem in underground source, Hilly region so that installation of piped water is difficult d Water Supply System Evaluation WQ problems None Iron None Fe (75 %) High No, after treatment No -

Muktagacha With Piped Water Supply System

A. Pourashava Profile Sanitation coverage Division Dhaka Latrine with septic tank (%) 26.76 Mymenshing Water sealed slab latrine (%) 49.69 District Year established Water-related diseases , Diarrhea, , Typhoid, 1878 Dysentery, Contact Tel/Fax 0902875202 Technical staff (Nos.) E-mail info@muktagachapourashava Population (FY2010/2011) 50,621 Financial statements (2010/2011) Nos. of households (FY2010/2011) 7,509 Annual budget (Tk) 65,214,414 Literacy (%) 82 Revenue (Tk) 43,097,779 31,108,081 Expenditure (Tk) 12 Land area (km2) Residential area (km²) 6 Computerization Holding tax management, Accounting. . Salary payment, Rate schedule and estimate Residential area pop. density (persons/ha) 81 preparation, Engineering, Yearly logical budget preparation, Procurement, Electricity coverage (%) 90 Electricity availability (hrs) Committee formed Yes, 3 months Summer TLCC /Frequency of meeting Winter 22 WATSAN/Frequency of meeting Yes, 3 months **B. Key Performance Indicators (Efficiency Indicators)** Water supply coverage (%) 41 Metering ratio (%) O Per capita produced water (L/d/ca) 62 Operating ratio (%) 94 Supply Hour (Hrs) Collection ratio in amount (%) 54 Non-revenue water (NRW) (%) Collection period (days) 164 1.7 Staffs/ 1,000 connections (ratio) Pipe leakage ratio (point/km) 8 Average revenue (Tk/m3 produced) Electricity arrear to annual revenue (%) 4.5 Average O&M cost (Tk/m3 produced) 4.2 Pipe leakage ratio Water supply (point/km) coverage (%) 10 'n 8 Per capita Electricity arrear Average O&M Collection ratio in 6 6 produced water to annual revenue cost (Tk/m3 amount (%) Δ (L/d/ca) (%) produced) Q. q Staffs/ 1,000 Operating ratio Metering ratio (%) Supply hours (hrs) connections (%) (ratio) Average revenue Collection period (Tk/m3 produced) (days) **Overall performance of Positive PIs Overall performance of Negative Pls** C. Water Supply Profile Chlorination points (Nos.) 1. General Information of Water Supply Section Water section established (year) PTW 3 Piped system introduced (year) 1999 IRP/AIRP 0 O&M,, Pourashava responsibility Surface WTP 0 Bulk flow meters (Nos.) 0 Computerization/Automation , Billing, Accounting, , , , Bulk flow meter readings (Nos.) 0 Total production, Summer (m³/day) 1,295 Staff in water section (Nos.) (2) Distribution 6 In which, staff with diploma or higher Overhead tank 0 qualification (Nos.) 2. Water Supply System Overhead tanks (Nos.) O Operation of water supply facilities 0 In operation Total capacity (m³) (1) Production Distribution network (km): 9,009 Water sources for piped system Groundwater, Leakages in distribution (Nos.) 15 (3) O&M Problems Production tube well Production capacity decrease PTW (Nos.) Production wells PTW not in operation (Nos.) 0 Pump burning and sound problem Ave. depth (m) 173 Pump Capacity at commission (m³/hrs) 71 Ave. current capacity per unit (m³/hrs) 62 Treatment plant Ave. production hours, Summer (hrs/day) Pipe Leakage 1.295 **Pipeline** Total production, Summer (m³/day) Teatment plants (Nos.) AIRP 0 Customer water meter IRP O Lockage from fitting Surface water treatment plants 0 House connection Plants not in operation n Production of plant 0 O&M manuals (Nos.) Total capacity (m³/hrs) O&M assistance form DPHE 0 No Production hours, Summer (hrs/day) 0 Annual leakages (Nos.) 15 Total production (m³/day) Leakage detection activity Yes

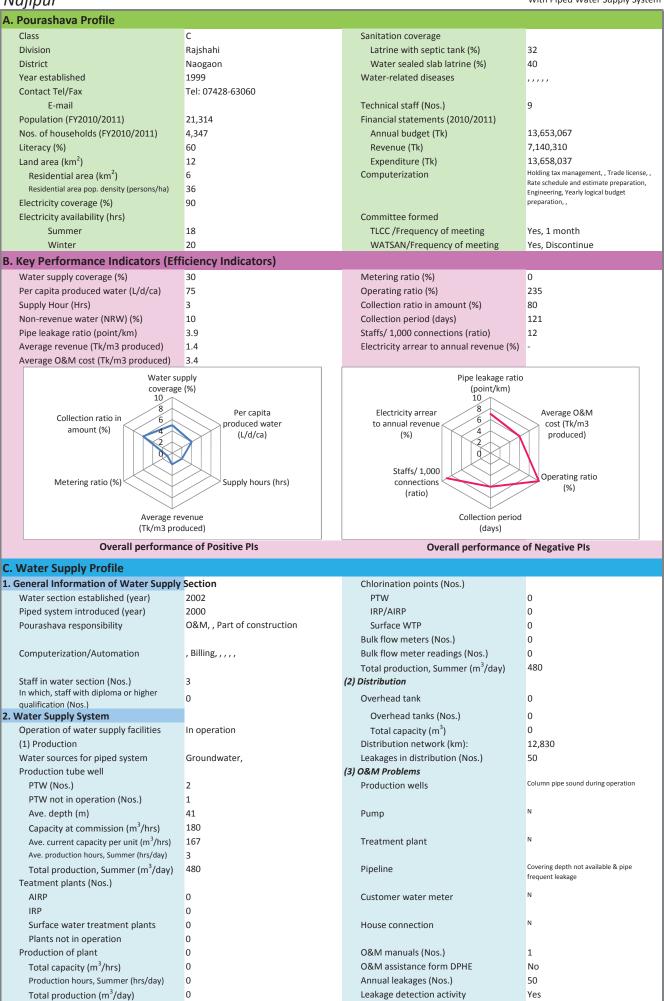
House connection fee (1/2") (Tk) Tariff adopted year Tariff setting policy 7. Water Quality Monitoring Water quality monitoring plan Parameters checked Frequency of quality test Nos. of sampling location /year Water quality problems 7. Water Quality Monitoring Water quality monitoring plan Parameters checked Frequency of quality test Nos. of sampling location /year Water quality problems 7. Water Quality Monitoring Water quality monitoring plan Parameters checked Frequency of quality test Nos. of sampling location /year Water quality problems 7. Water Quality Monitoring No Parameters checked Frequency of quality test Nos. of sampling location /year Water quality problems 7. Low coverage
Tariff setting policy , Operation cost recovery (O&M costs), , People's affordability to pay, 7. Water Quality Monitoring Water quality monitoring plan Parameters checked - Frequency of quality test - Nos. of sampling location /year Water quality problems There are lot of iron element to pipe water line. 8. Problems and Priority Needs Major 3 problems
7. Water Quality Monitoring Water quality monitoring plan Parameters checked Frequency of quality test Nos. of sampling location /year Water quality problems There are lot of iron element to pipe water line. 8. Problems and Priority Needs Major 3 problems
7. Water Quality Monitoring Water quality monitoring plan Parameters checked Frequency of quality test Nos. of sampling location /year Water quality problems There are lot of iron element to pipe water line. 8. Problems and Priority Needs Major 3 problems
Water quality monitoring plan Parameters checked Frequency of quality test Nos. of sampling location /year Water quality problems There are lot of iron element to pipe water line. 8. Problems and Priority Needs Major 3 problems
Water quality monitoring plan Parameters checked Frequency of quality test Nos. of sampling location /year Water quality problems There are lot of iron element to pipe water line. 8. Problems and Priority Needs Major 3 problems
Parameters checked - Frequency of quality test - Nos. of sampling location /year - Water quality problems There are lot of iron element to pipe water line. 8. Problems and Priority Needs Major 3 problems
Frequency of quality test Nos. of sampling location /year Water quality problems There are lot of iron element to pipe water line. 8. Problems and Priority Needs Major 3 problems
Nos. of sampling location /year Water quality problems There are lot of iron element to pipe water line. 8. Problems and Priority Needs Major 3 problems
Water quality problems There are lot of iron element to pipe water line. 8. Problems and Priority Needs Major 3 problems
Water quality problems There are lot of iron element to pipe water line. 8. Problems and Priority Needs Major 3 problems
water line. 8. Problems and Priority Needs Major 3 problems
8. Problems and Priority Needs Major 3 problems
Major 3 problems
Major 3 problems
(1) Low coverage
(2) Less financial resources
(2) Quality of water
(3) Quality of water
Major 3 priority needs
(1) Increase of production capacit
(±) case of production exputer
(2) Production well and pump
(3) Water quality monitoring
(5) 444
9. Past and On-going Projects and Training
(1) Past 10 years projects
Name -
_
Period -
Funding agency -
Executing agency -
(2) Past 10 years projects
Name -
-
Period -
Funding agency -
Executing agency -
On-going projects -
Name -
Daviad
Period -
Funding agency -
Executing agency -
Training -
Nos. of training 2
Section 1.
Nos. of Staff 2
Name of training (1) Water software installation and operation
Name of training (2) Water software operation
Name of training (3)
Main treatment method in domestic None, , ,
As contaminated wells (Nos.) 4
Arsenic contaminated water supply (%) 0
7 d Schie Contaminated Water Supply (70)
Habitation is defined as the CO
Unhygienic drinking water (%)
mer will be able % of people using neighbor's well for drinking 10
mer will be able consumption. % of people using neighbor's well for drinking Problems in non-piped water supply area Ground surface water table declining
mer will be able consumption. % of people using neighbor's well for drinking Problems in non-piped water supply area day by day, Shallow wells are
mer will be able consumption. % of people using neighbor's well for drinking Problems in non-piped water supply area Ground surface water table declining
mer will be able consumption. % of people using neighbor's well for drinking Problems in non-piped water supply area day by day, Shallow wells are
mer will be able consumption. % of people using neighbor's well for drinking Problems in non-piped water supply area day by day, Shallow wells are
mer will be able consumption. **Note: The problems in non-piped water supply area water table declining day by day, Shallow wells are contaminated by human waste. **The problems in non-piped water supply area water table declining day by day, Shallow wells are contaminated by human waste.
% of people using neighbor's well for drinking Problems in non-piped water supply area day by day, Shallow wells are contaminated by human waste 3. Potential Water Sources for Non-Piped Water Supply System
% of people using neighbor's well for drinking Problems in non-piped water supply area Ground surface water table declining day by day, Shallow wells are contaminated by human waste 3. Potential Water Sources for Non-Piped Water Supply System Potential water sources Evaluation WQ problems
% of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piped Water Supply System Potential water sources Shallow well None 8 acteria, iron
% of people using neighbor's well for drinking Problems in non-piped water supply area Ground surface water table declining day by day, Shallow wells are contaminated by human waste 3. Potential Water Sources for Non-Piped Water Supply System Potential water sources Evaluation WQ problems
% of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piped Water Supply System Potential water sources Shallow well None 8 acteria, iron
% of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piped Water Supply System Potential water sources Shallow well None Bacteria, iron Deep well Surface water table declining day by day, Shallow wells are contaminated by human waste
Will be able tonsumption. ### Word people using neighbor's well for drinking Problems in non-piped water supply area ### Aproblems in non-piped water supply area ### Aproblems in non-piped water supply area ### Aproblems
Will be able tonsumption. ### Wo f people using neighbor's well for drinking Problems in non-piped water supply area ### Aproblems ### Aproble
Will be able tonsumption. ### Word people using neighbor's well for drinking Problems in non-piped water supply area ### Aproblems in non-piped water supply area ### Aproblems in non-piped water supply area ### Aproblems
Will be able tonsumption. ### Wo f people using neighbor's well for drinking Problems in non-piped water supply area ### Aproblems ### Aproble
Will be able tonsumption. We of people using neighbor's well for drinking Problems in non-piped water supply area

Mymensingh With Piped Water Supply System

A. Pourashava Profile Sanitation coverage Division Dhaka Latrine with septic tank (%) 65 Mymensingh Water sealed slab latrine (%) District 20 Year established 8/Apr/1869 Water-related diseases , Diarrhea, , , Dysentery, Contact Tel/Fax 09165033 Technical staff (Nos.) E-mail Population (FY2010/2011) 475,000 Financial statements (2010/2011) Nos. of households (FY2010/2011) 24,168 Annual budget (Tk) 285,988,200 Literacy (%) 60 Revenue (Tk) 116,264,157 258,412,399 Expenditure (Tk) 22 Land area (km2) Residential area (km²) 12 Computerization Holding tax management, Accounting, Trade license, Salary payment, Rate schedule and Residential area pop. density (persons/ha) 412 estimate preparation, Engineering, , Electricity coverage (%) Procurement, 100 Electricity availability (hrs) Committee formed Summer 17 TLCC /Frequency of meeting Yes, 4 months Winter 21 WATSAN/Frequency of meeting Yes, 4 months **B. Key Performance Indicators (Efficiency Indicators)** Water supply coverage (%) 26 Metering ratio (%) 84 Per capita produced water (L/d/ca) 134 Operating ratio (%) 82 Supply Hour (Hrs) Collection ratio in amount (%) 55 Non-revenue water (NRW) (%) 20-22 Collection period (days) 352 Staffs/ 1,000 connections (ratio) Pipe leakage ratio (point/km) 1.3 11 Average revenue (Tk/m3 produced) Electricity arrear to annual revenue (%) 1.2 Average O&M cost (Tk/m3 produced) Water supply Pipe leakage ratio (point/km) coverage (%) 10 'n 'n Per capita Electricity arrear Average O&M Collection ratio in 6 produced water to annual revenue cost (Tk/m3 amount (%) Δ (L/d/ca) (%) produced) Staffs/ 1,000 Operating ratio Metering ratio (%) Supply hours (hrs) connections (%) (ratio) Average revenue Collection period (Tk/m3 produced) (days) Overall performance of Positive PIs **Overall performance of Negative Pls** C. Water Supply Profile Chlorination points (Nos.) 1. General Information of Water Supply Section Water section established (year) PTW 13 Piped system introduced (year) 1983 IRP/AIRP 0 O&M,, Part of construction Pourashava responsibility Surface WTP 0 Bulk flow meters (Nos.) 13 Computerization/Automation , Billing, , , , , Bulk flow meter readings (Nos.) 13 Total production, Summer (m³/day) 16,556 Staff in water section (Nos.) (2) Distribution 50 In which, staff with diploma or higher Overhead tank 0 qualification (Nos.) 2. Water Supply System Overhead tanks (Nos.) 7 Operation of water supply facilities 4.471 In operation Total capacity (m³) (1) Production Distribution network (km): 97.999 Water sources for piped system Groundwater, Leakages in distribution (Nos.) 127 (3) O&M Problems Production tube well Discharge quantity PTW (Nos.) 13 Production wells PTW not in operation (Nos.) 0 Old pump, replacement Ave. depth (m) 127 Pump Capacity at commission (m³/hrs) 119 Ave. current capacity per unit (m³/hrs) 93 Treatment plant Ave. production hours, Summer (hrs/day) 14 Leakage, joint, gate valve, rubber gasket, 16.556 **Pipeline** Total production, Summer (m³/day) Teatment plants (Nos.) Iron/sediment AIRP 0 Customer water meter IRP O MS clamp, GI other fittings, very old 40-60 Surface water treatment plants 0 House connection Plants not in operation n Production of plant 0 O&M manuals (Nos.) 0 Total capacity (m³/hrs) O&M assistance form DPHE 0 No Production hours, Summer (hrs/day) 0 Annual leakages (Nos.) 127 Total production (m³/day) Leakage detection activity Yes

			1 200
3. Needs of Rehabilitation and Expansion	n	House connection fee (1/2") (Tk)	1,200
Rehabilitation		Tariff adopted year	July, 2010
Production tube well	Yes	Tariff setting policy	, Operation cost recovery (O&M
Treatment plant	No		costs), , , ,
Distribution network	Yes	7. Water Quality Monitoring	
	163		No
Expansion		Water quality monitoring plan	No
Production tube well	Yes	Parameters checked	-
Treatment plant	Yes	Frequency of quality test	-
Distribution network	Yes	Nos. of sampling location /year	-
4. Customer Service (Service indicators)		Water quality problems	Bacteriological problem
		water quality problems	
Coverage area (km²)	9		
Population served (people)	123,500		
Service connections (Nos.)	4,735	8. Problems and Priority Needs	
Domestic	4,432	Major 3 problems	
			Insufficient technical and
Public tap/ stand pipe	80	(1)	Insufficient technical and
Public institutions	0		managerial capacity
Commercial & industrial	160	(2)	Water quality problems
Others	63		
Total	4,735	(2)	Less financial resources
		(3)	Less illialiciai resources
Metered connections (Nos.)	4,000		
Applications outstanding (Nos.)	0	Major 3 priority needs	
New connections in 2010/2011 (Nos.)	0	(1)	Improvement of water quality
Average waiting time (days)	0	(-)	
		(2)	House consection and water
Water pressure at the end of network	, Fair, ,	(2)	House connection and water
Continuity of service (hrs/day)	4		meter
Customer with 24 hrs supply (%)	0	(3)	Improvement of billing and
Annual complaints (Nos.)	127	(3)	collection practice
' ' '	14,	O Doct and On sain During LT	· ·
Major complaints		9. Past and On-going Projects and Traini	ig
(1	Dirty water (iron / sediment)	(1) Past 10 years projects	
		Name	-
12	24 hour water		_
\2	24 Hour water	0 1	
		Period	-
(3	Block of meter	Funding agency	-
		Executing agency	-
5. Financial Information (FY2010/11)		(2) Past 10 years projects	_
	205 000 200		
Annual budget (Tk)	285,988,200	Name	-
Annual revenue (Tk)	7,135,000		-
Annual expenditure (Tk)	7,480,000	Period	-
Annual O&M Costs (Tk)	5,830,000	Funding agency	_
Annual billings (Tk)	8,284,000	Executing agency	-
Annual collections (Tk)	4,522,000	On-going projects	-
Water arrears (Tk)	6,879,120	Name	-
Electricity arrears (Tk)	0		Secondary town water supply and sanitation sector project
Payment methods	, Bank	Period	2006-2014
· '			2000 2014
Self-billing	No	Funding agency	-
Billing frequency	Monthly	Executing agency	PIV-DPHE & Pourashava, PWD-DPHE
6. Water Tariff and Metering (See Tarif	Database)	Training	-
Tariff Structure	Metered rate	Nos. of training	7
raini stracture			/
		_	
		Nos. of Staff	54
Domestic 13 mm (1/2") (Tk/month)	120	_	
Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month)	120 300	Nos. of Staff	54 Water supply surveillance, water safety plan, meter based billing system
Non-domestic lowest (Tk/month)		Nos. of Staff Name of training (1) Name of training (2)	54 Water supply surveillance, water safety plan, meter based billing system
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m ³)	300	Nos. of Staff Name of training (1)	54 Water supply surveillance, water safety plan, meter based billing system Billing Software, meter based billing system
Non-domestic lowest (Tk/month)	300	Nos. of Staff Name of training (1) Name of training (2)	54 Water supply surveillance, water safety plan, meter based billing system Billing Software, meter based billing system
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m ³)	300	Nos. of Staff Name of training (1) Name of training (2)	54 Water supply surveillance, water safety plan, meter based billing system Billing Software, meter based billing system
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area	300	Nos. of Staff Name of training (1) Name of training (2) Name of training (3)	54 Water supply surveillance, water safety plan, meter based billing system Billing Software, meter based billing system O&M of pump and pipeline
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of	300	Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.)	54 Water supply surveillance, water safety plan, meter based billing system Billing Software, meter based billing system O&M of pump and pipeline , Boiling, , Filtration O
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water	300 0 Yes	Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%)	54 Water supply surveillance, water safety plan, meter based billing system Billing Software, meter based billing system O&M of pump and pipeline , Boiling, , Filtration 0 0
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	300 0 Yes Yes	Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%)	54 Water supply surveillance, water safety plan, meter based billing system Billing Software, meter based billing system O&M of pump and pipeline , Boiling, , Filtration 0 0
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water	300 0 Yes Yes According to the usage of water consumption,	Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%)	54 Water supply surveillance, water safety plan, meter based billing system Billing Software, meter based billing system O&M of pump and pipeline , Boiling, , Filtration 0 0
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	300 0 Yes Yes	Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%)	54 Water supply surveillance, water safety plan, meter based billing system Billing Software, meter based billing system O&M of pump and pipeline , Boiling, , Filtration 0 0 13 Costing, water quality, Costing for
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	300 0 Yes Yes According to the usage of water consumption,	Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	54 Water supply surveillance, water safety plan, meter based billing system Billing Software, meter based billing system O&M of pump and pipeline , Boiling, , Filtration 0 0 13
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	300 0 Yes Yes According to the usage of water consumption,	Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	54 Water supply surveillance, water safety plan, meter based billing system Billing Software, meter based billing system O&M of pump and pipeline , Boiling, , Filtration 0 0 13 Costing, water quality, Costing for
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	300 0 Yes Yes According to the usage of water consumption,	Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	54 Water supply surveillance, water safety plan, meter based billing system Billing Software, meter based billing system O&M of pump and pipeline , Boiling, , Filtration 0 0 13 Costing, water quality, Costing for
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	300 0 Yes Yes According to the usage of water consumption,	Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	54 Water supply surveillance, water safety plan, meter based billing system Billing Software, meter based billing system O&M of pump and pipeline , Boiling, , Filtration 0 0 13 Costing, water quality, Costing for
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	300 0 Yes Yes According to the usage of water consumption,	Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area	54 Water supply surveillance, water safety plan, meter based billing system Billing Software, meter based billing system O&M of pump and pipeline , Boiling, , Filtration 0 0 13 Costing, water quality, Costing for installing of DTW
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff)	Yes Yes According to the usage of water consumption, people awareness, system loss	Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area	54 Water supply surveillance, water safety plan, meter based billing system O&M of pump and pipeline , Boiling, , Filtration 0 0 13 Costing, water quality, Costing for installing of DTW
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk)	Yes Yes According to the usage of water consumption, people awareness, system loss 0 15,000	Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources	54 Water supply surveillance, water safety plan, meter based billing system Billing Software, meter based billing system O&M of pump and pipeline , Boiling, , Filtration 0 0 13 Costing, water quality, Costing for installing of DTW d Water Supply System Evaluation WQ problems
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month)	Yes Yes According to the usage of water consumption, people awareness, system loss 0 15,000 300	Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area	54 Water supply surveillance, water safety plan, meter based billing system O&M of pump and pipeline , Boiling, , Filtration 0 0 13 Costing, water quality, Costing for installing of DTW d Water Supply System Evaluation WQ problems None Coliform, Iron
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk)	Yes Yes According to the usage of water consumption, people awareness, system loss 0 15,000	Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources	54 Water supply surveillance, water safety plan, meter based billing system O&M of pump and pipeline , Boiling, , Filtration 0 0 13 Costing, water quality, Costing for installing of DTW d Water Supply System Evaluation WQ problems
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month)	Yes Yes According to the usage of water consumption, people awareness, system loss 0 15,000 300 2	Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well	54 Water supply surveillance, water safety plan, meter based billing system O&M of pump and pipeline , Boiling, , Filtration 0 0 13 Costing, water quality, Costing for installing of DTW d Water Supply System Evaluation WQ problems None Coliform, Iron
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped V	Yes Yes According to the usage of water consumption, people awareness, system loss 0 15,000 300 2 Vater Supply Area	Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources	54 Water supply surveillance, water safety plan, meter based billing system O&M of pump and pipeline O&M of pump and pipeline , Boiling, , Filtration 0 0 13 Costing, water quality, Costing for installing of DTW d Water Supply System Evaluation WQ problems None Coliform, Iron None - High, Mod No industry
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped V	Yes Yes According to the usage of water consumption, people awareness, system loss 0 15,000 300 2 Vater Supply Area Nos. of source Drinking (%) Domestic (%)	Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources	54 Water supply surveillance, water safety plan, meter based billing system O&M of pump and pipeline , Boiling, , Filtration 0 0 13 Costing, water quality, Costing for installing of DTW d Water Supply System Evaluation WQ problems None Coliform, Iron None -
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped V Source River	Yes Yes Yes According to the usage of water consumption, people awareness, system loss 0 15,000 300 2 Vater Supply Area Nos. of source Drinking (%) Domestic (%) Domestic (%)	Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level	54 Water supply surveillance, water safety plan, meter based billing system O&M of pump and pipeline O&M of pump and pipeline , Boiling, , Filtration 0 0 13 Costing, water quality, Costing for installing of DTW d Water Supply System Evaluation WQ problems None Coliform, Iron None - High, Mod No industry
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped V	Yes Yes According to the usage of water consumption, people awareness, system loss 0 15,000 300 2 Vater Supply Area Nos. of source Drinking (%) Domestic (%)	Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level	54 Water supply surveillance, water safety plan, meter based billing system O&M of pump and pipeline O&M of pump and pipeline , Boiling, , Filtration 0 0 13 Costing, water quality, Costing for installing of DTW d Water Supply System Evaluation WQ problems None Coliform, Iron None - High, Mod No industry
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped V Source River	Yes Yes Yes According to the usage of water consumption, people awareness, system loss 0 15,000 300 2 Vater Supply Area Nos. of source Drinking (%) Domestic (%) Domestic (%)	Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year)	54 Water supply surveillance, water safety plan, meter based billing system O&M of pump and pipeline O&M of pump and pipeline , Boiling, , Filtration 0 0 13 Costing, water quality, Costing for installing of DTW d Water Supply System Evaluation WQ problems None Coliform, Iron None - High, Mod No industry
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped V Source River Shallow well Deep well	300 0 Yes Yes Yes According to the usage of water consumption, people awareness, system loss 0 15,000 300 2 Vater Supply Area Nos. of source Drinking (%) Domestic (%) 1 0 5 16,576 46 65 34 54 25	Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year) Deep well (m/year)	54 Water supply surveillance, water safety plan, meter based billing system O&M of pump and pipeline O&M of pump and pipeline , Boiling, , Filtration 0 0 13 Costing, water quality, Costing for installing of DTW d Water Supply System Evaluation WQ problems None Coliform, Iron None - High, Mod No industry
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped V Source River Shallow well	300 0 Yes Yes Yes According to the usage of water consumption, people awareness, system loss 0 15,000 300 2 Vater Supply Area Nos. of source Drinking (%) Domestic (%) 1 0 5 16,576 46 65	Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year) Deep well (m/year)	54 Water supply surveillance, water safety plan, meter based billing system O&M of pump and pipeline O&M of pump and pipeline , Boiling, , Filtration 0 0 13 Costing, water quality, Costing for installing of DTW d Water Supply System Evaluation WQ problems None Coliform, Iron None - High, Mod No industry

Najipur With Piped Water Supply System



3. Needs of Rehabilitation and Expansi	on	House connection fee (1/2") (Tk)	600
Rehabilitation		Tariff adopted year	-
Production tube well	No	Tariff setting policy	, Operation cost recovery (O&M
Treatment plant	No	0 p = 1	costs), , People's affordability to pay, ,
Distribution network	Yes	7 Mater Quality Manitoring	
	res	7. Water Quality Monitoring	No
Expansion		Water quality monitoring plan	No
Production tube well	No	Parameters checked	-
Treatment plant	Yes	Frequency of quality test	-
Distribution network	Yes	Nos. of sampling location /year	-
4. Customer Service (Service indicators		Water quality problems	Iron in water & HC pipe blocked.
	4	water quanty problems	
Coverage area (km²)			
Population served (people)	6,400		
Service connections (Nos.)	251	8. Problems and Priority Needs	
Domestic	247	Major 3 problems	
Public tap/ stand pipe	0	(1)	Low coverage
Public institutions	0	``	
Commercial & industrial	4	(2)	Less financial resources
		(2)	Less illialicial resources
Others	0		
Total	251	(3)	Leakage
Metered connections (Nos.)	0		
Applications outstanding (Nos.)	0	Major 3 priority needs	
New connections in 2010/2011 (Nos.)	0		Increase of water pressure
	0	(1)	pressure
Average waiting time (days)		(2)	Evancion and souls
Water pressure at the end of network	, , Low,	(2)	Expansion and replacement of
Continuity of service (hrs/day)	3		network
Customer with 24 hrs supply (%)	0	(3)	Distribution network
Annual complaints (Nos.)	70		
Major complaints		9. Past and On-going Projects and Traini	ng
) Low pressure at and of sing		
	L) Low pressure at end of pipe	(1) Past 10 years projects	
		Name	-
(1)	2) Wastage of water		-
		Period	-
(:	B) Pipe leakage	Funding agency	-
,	, ,	Executing agency	_
F. Financial Information (FV2010/11)			
5. Financial Information (FY2010/11)		(2) Past 10 years projects	-
Annual budget (Tk)	590,000	Name	-
Annual revenue (Tk)	250,820		-
Annual expenditure (Tk)	590,000 (Pourashava pays part of personnel and power costs from general budget.)	Period	-
Annual O&M Costs (Tk)	590,000	Funding agency	_
Annual billings (Tk)	184,440	Executing agency	
Annual collections (Tk)	148,440	On-going projects	-
Water arrears (Tk)	83,000	Name	-
Electricity arrears (Tk)	No data		-
Payment methods	, Bank	Period	-
Self-billing	Yes	Funding agency	-
Billing frequency	Monthly	Executing agency	_
	·		
6. Water Tariff and Metering (See Tari		Training	Ī.
Tariff Structure	Based on pipe size	Nos. of training	1
		Nos. of Staff	1
Domestic 13 mm (1/2") (Tk/month)	75	Name of training (1)	Computer
Non-domestic lowest (Tk/month)	225	Name of training (2)	-
Lowest volumetric charge (Tk/m³)	0	Name of training (3)	_
	-	o. daming (o)	
D. Non-Piped Water Supply Area			
1. Necessity of Piped Water Supply		Main treatment method in domestic	None, , ,
		Main treatment method in domestic As contaminated wells (Nos.)	None, , , No data
1. Necessity of Piped Water Supply	Yes		
Necessity of Piped Water Supply Necessity of	Yes Yes	As contaminated wells (Nos.) Arsenic contaminated water supply (%)	No data
Necessity of Piped Water Supply Necessity of Piped water Water meter	Yes	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%)	No data 0 (people donn't drink, but use for washing.) No data
Necessity of Piped Water Supply Necessity of Piped water		As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	No data 0 (people donn't drink, but use for washing.) No data No data
Necessity of Piped Water Supply Necessity of Piped water Water meter	Yes For reduction of wastage of water & billing as per	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%)	No data 0 (people donn't drink, but use for washing.) No data No data Insufficient water in hand tube well
Necessity of Piped Water Supply Necessity of Piped water Water meter	Yes For reduction of wastage of water & billing as per	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	No data 0 (people donn't drink, but use for washing.) No data No data
Necessity of Piped Water Supply Necessity of Piped water Water meter	Yes For reduction of wastage of water & billing as per	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	No data 0 (people donn't drink, but use for washing.) No data No data Insufficient water in hand tube well
Necessity of Piped Water Supply Necessity of Piped water Water meter	Yes For reduction of wastage of water & billing as per	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	No data 0 (people donn't drink, but use for washing.) No data No data Insufficient water in hand tube well
Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons	Yes For reduction of wastage of water & billing as per meter reading, meter is required.	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area	No data 0 (people donn't drink, but use for washing.) No data No data Insufficient water in hand tube well during irri-boro (dry) season,
Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff)	Yes For reduction of wastage of water & billing as per meter reading, meter is required.	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe	No data 0 (people donn't drink, but use for washing.) No data No data Insufficient water in hand tube well during irri-boro (dry) season,
Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk)	Yes For reduction of wastage of water & billing as per meter reading, meter is required. 0 15,000	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources	No data 0 (people donn't drink, but use for washing.) No data No data Insufficient water in hand tube well during irri-boro (dry) season, d Water Supply System Evaluation WQ problems
1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month)	Yes For reduction of wastage of water & billing as per meter reading, meter is required. 0 15,000 300	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well	No data 0 (people donn't drink, but use for washing.) No data No data Insufficient water in hand tube well during irri-boro (dry) season, d Water Supply System Evaluation High Iron
1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month Affordable price in total household income (%)	Yes For reduction of wastage of water & billing as per meter reading, meter is required. 0 15,000 300 2	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources	No data 0 (people donn't drink, but use for washing.) No data No data Insufficient water in hand tube well during irri-boro (dry) season, d Water Supply System Evaluation WQ problems
1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month Affordable price in total household income (%)	Yes For reduction of wastage of water & billing as per meter reading, meter is required. 0 15,000 300 2	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well	No data 0 (people donn't drink, but use for washing.) No data No data Insufficient water in hand tube well during irri-boro (dry) season, d Water Supply System Evaluation WQ problems High Iron
1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month)	Yes For reduction of wastage of water & billing as per meter reading, meter is required. 0 15,000 300 2	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources	No data 0 (people donn't drink, but use for washing.) No data No data Insufficient water in hand tube well during irri-boro (dry) season, d Water Supply System Evaluation WQ problems High Iron High Iron
1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Source	Yes For reduction of wastage of water & billing as per meter reading, meter is required. 0 15,000 300 2 Nater Supply Area Nos. of source Drinking (%) Domestic (%)	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources	No data 0 (people donn't drink, but use for washing.) No data No data Insufficient water in hand tube well during irri-boro (dry) season, d Water Supply System Evaluation WQ problems High Iron High Iron Moderate Bacteria & solid waste
1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Source River	Yes For reduction of wastage of water & billing as per meter reading, meter is required. 0 15,000 300 2 Nater Supply Area Nos. of source Drinking (%) Domestic (%) No data 0 2	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level	No data 0 (people donn't drink, but use for washing.) No data No data Insufficient water in hand tube well during irri-boro (dry) season, d Water Supply System Evaluation WQ problems High Iron High Iron Moderate Bacteria & solid waste No -
1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Source River Shallow well	Yes For reduction of wastage of water & billing as per meter reading, meter is required. 0 15,000 300 2 Water Supply Area Nos. of source Drinking (%) Domestic (%) No data 0 2 4,000 90 90	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year)	No data 0 (people donn't drink, but use for washing.) No data No data Insufficient water in hand tube well during irri-boro (dry) season, d Water Supply System Evaluation WQ problems High Iron High Iron Moderate Bacteria & solid waste No -
1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Source River	Yes For reduction of wastage of water & billing as per meter reading, meter is required. 0 15,000 300 2 Water Supply Area Nos. of source Drinking (%) Domestic (%) No data 0 2 4,000 90 90	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year) Deep well (m/year)	No data 0 (people donn't drink, but use for washing.) No data No data Insufficient water in hand tube well during irri-boro (dry) season, d Water Supply System Evaluation WQ problems High Iron High Iron Moderate Bacteria & solid waste No -
1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Source River Shallow well	Yes For reduction of wastage of water & billing as per meter reading, meter is required. 0 15,000 300 2 Water Supply Area Nos. of source Drinking (%) Domestic (%) No data 0 2 4,000 90 90	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year) Deep well (m/year)	No data 0 (people donn't drink, but use for washing.) No data No data Insufficient water in hand tube well during irri-boro (dry) season, d Water Supply System Evaluation WQ problems High Iron High Iron Moderate Bacteria & solid waste No -

Naohata With Piped Water Supply System

Naohata			With Piped Water Supply System
A. Pourashava Profile			
Class	Α	Sanitation coverage	
Division	Rajshahi	Latrine with septic tank (%)	45
District	Pabna	Water sealed slab latrine (%)	35
Year established	2002	Water-related diseases	
		water-related diseases	,,,,,
Contact Tel/Fax	Tel: 0721-800002, Fax: 800195		
E-mail		Technical staff (Nos.)	9
Population (FY2010/2011)	115,648	Financial statements (2010/2011)	
Nos. of households (FY2010/2011)	10,440	Annual budget (Tk)	114,834,486
Literacy (%)	65	Revenue (Tk)	12,406,647
Land area (km²)	46	Expenditure (Tk)	12,095,615
Residential area (km²)	28	Computerization	Holding tax management, Accounting, Trade
Residential area pop. density (persons/ha)	42		license, , Rate schedule and estimate preparation, Engineering, Yearly logical
Electricity coverage (%)	100		budget preparation, Procurement,
Electricity availability (hrs)		Committee formed	
Summer	16	TLCC /Frequency of meeting	Yes, 3 months
Winter	22	WATSAN/Frequency of meeting	No
		WATSAN/Frequency of meeting	NO
B. Key Performance Indicators (Eff			
Water supply coverage (%)	17	Metering ratio (%)	0
Per capita produced water (L/d/ca)	4	Operating ratio (%)	430
Supply Hour (Hrs)	6	Collection ratio in amount (%)	100
Non-revenue water (NRW) (%)	5.26	Collection period (days)	0
Pipe leakage ratio (point/km)	8	Staffs/ 1,000 connections (ratio)	15
Average revenue (Tk/m3 produced)	15	Electricity arrear to annual revenue (%)	0
Average O&M cost (Tk/m3 produced)	12.9	(76)	
Water su		Pipe leakage ratio	
coverage 10	: (76)	(point/km)	
8	Per capita	Electricity arrear 8	Average O&M
Collection ratio in 6	produced water	to annual revenue	cost (Tk/m3
amount (%)	(L/d/ca)	(%)	produced)
2	7111		
		Staffs/ 1,000	Operating ratio
Metering ratio (%)	Supply hours (hrs)	connections	Operating ratio (%)
		(ratio)	(72)
Average re	venue	Collection period	
(Tk/m3 pro			
(Tk/m3 pro	duced)	(days)	
(Tk/m3 pro Overall performa	duced)		of Negative PIs
	duced)	(days)	of Negative PIs
Overall performa	duced) nce of Positive PIs	(days)	of Negative Pls
Overall performan C. Water Supply Profile 1. General Information of Water Supply	nce of Positive PIs Section	Overall performance Chlorination points (Nos.)	
Overall performant C. Water Supply Profile 1. General Information of Water Supply Water section established (year)	nce of Positive PIs Section 2009	Overall performance Chlorination points (Nos.) PTW	0
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year)	ce of Positive PIs Section 2009 2007	Overall performance Chlorination points (Nos.) PTW IRP/AIRP	0 0
Overall performant C. Water Supply Profile 1. General Information of Water Supply Water section established (year)	nce of Positive PIs Section 2009	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP	0 0 0
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility	Section 2009 2007 O&M, , Part of construction	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.)	0 0 0 0 0
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year)	ce of Positive PIs Section 2009 2007	Overall performance Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.)	0 0 0 0 0
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation	Section 2009 2007 O&M, , Part of construction , Billing, Accounting, , , ,	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day)	0 0 0 0 0
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.)	Section 2009 2007 O&M, , Part of construction	Overall performance Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.)	0 0 0 0 0
Overall performation C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher	Section 2009 2007 O&M, , Part of construction , Billing, Accounting, , , ,	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day)	0 0 0 0 0
Overall performation C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.)	Section 2009 2007 O&M, , Part of construction , Billing, Accounting, , , ,	Overall performance Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank	0 0 0 0 0 0 84
Overall performan C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System	duced) nce of Positive PIs Section 2009 2007 O&M, , Part of construction , Billing, Accounting, , , , 6 1	Overall performance Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.)	0 0 0 0 0 0 84
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities	Section 2009 2007 O&M, , Part of construction , Billing, Accounting, , , ,	Overall performance Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³)	0 0 0 0 0 0 84
Overall performan C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System	duced) nce of Positive PIs Section 2009 2007 O&M, , Part of construction , Billing, Accounting, , , , 6 1	Overall performance Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.)	0 0 0 0 0 0 84
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities	duced) nce of Positive PIs Section 2009 2007 O&M, , Part of construction , Billing, Accounting, , , , 6 1	Overall performance Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³)	0 0 0 0 0 0 84
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production	duced) nce of Positive PIs Section 2009 2007 O&M, , Part of construction , Billing, Accounting, , , , 6 1 In operation	Overall performance Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km):	0 0 0 0 0 0 84
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system	duced) nce of Positive PIs Section 2009 2007 O&M, , Part of construction , Billing, Accounting, , , , 6 1 In operation	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.)	0 0 0 0 0 0 84
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well	duced) nce of Positive PIs Section 2009 2007 O&M, , Part of construction , Billing, Accounting, , , , 6 1 In operation Groundwater,	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems	0 0 0 0 0 84 0 0 0 0 8,400 67
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.)	duced) nce of Positive PIs Section 2009 2007 O&M, , Part of construction , Billing, Accounting, , , , 6 1 In operation Groundwater,	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells	0 0 0 0 0 84 0 0 0 0 8,400 67
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m)	duced) nce of Positive PIs Section 2009 2007 O&M, , Part of construction , Billing, Accounting, , , , 6 1 In operation Groundwater, 1 0 70	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems	0 0 0 0 0 84 0 0 0 0 8,400 67 Water level down in av. (10-12m) yearly.
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs)	duced) nce of Positive PIs Section 2009 2007 0&M,, Part of construction , Billing, Accounting,,,, 6 1 In operation Groundwater, 1 0 70 18	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells	0 0 0 0 0 84 0 0 0 84 0 0 0 Water level down in av. (10-12m) yearly.
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs) Ave. current capacity per unit (m³/hrs)	duced) nce of Positive PIs Section 2009 2007 0&M,, Part of construction , Billing, Accounting,,,, 6 1 In operation Groundwater, 1 0 70 18 14	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells	0 0 0 0 0 84 0 0 0 84 0 0 0 Water level down in av. (10-12m) yearly.
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs) Ave. current capacity per unit (m³/hrs) Ave. production hours, Summer (hrs/day)	duced) nce of Positive PIs Section 2009 2007 0&M,, Part of construction , Billing, Accounting,,,, 6 1 In operation Groundwater, 1 0 70 18 14 6	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells Pump Treatment plant	0 0 0 0 84 0 0 0 84 0 0 0 8,400 67 Water level down in av. (10-12m) yearly. Motor out of order due to voltage fluctuation.
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs) Ave. current capacity per unit (m³/hrs) Ave. production hours, Summer (hrs/day) Total production, Summer (m³/day)	duced) nce of Positive PIs Section 2009 2007 0&M,, Part of construction , Billing, Accounting,,,, 6 1 In operation Groundwater, 1 0 70 18 14	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells	0 0 0 0 0 84 0 0 0 84 0 0 0 0 8,400 67 Water level down in av. (10-12m) yearly.
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs) Ave. current capacity per unit (m³/hrs) Ave. production hours, Summer (hrs/day)	duced) nce of Positive PIs Section 2009 2007 0&M,, Part of construction , Billing, Accounting,,,, 6 1 In operation Groundwater, 1 0 70 18 14 6	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells Pump Treatment plant	0 0 0 0 84 0 0 0 84 0 0 0 8,400 67 Water level down in av. (10-12m) yearly. Motor out of order due to voltage fluctuation.
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs) Ave. current capacity per unit (m³/hrs) Ave. production hours, Summer (hrs/day) Total production, Summer (m³/day)	duced) nce of Positive PIs Section 2009 2007 0&M,, Part of construction , Billing, Accounting,,,, 6 1 In operation Groundwater, 1 0 70 18 14 6	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells Pump Treatment plant	0 0 0 0 84 0 0 0 84 0 0 0 8,400 67 Water level down in av. (10-12m) yearly. Motor out of order due to voltage fluctuation.
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs) Ave. current capacity per unit (m³/hrs) Ave. production hours, Summer (hrs/day) Total production, Summer (m³/day) Teatment plants (Nos.)	duced) nce of Positive PIs Section 2009 2007 0&M,, Part of construction , Billing, Accounting,,,, 6 1 In operation Groundwater, 1 0 70 18 14 6 84	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells Pump Treatment plant Pipeline	0 0 0 0 84 0 0 0 84 0 0 0 8,400 67 Water level down in av. (10-12m) yearly. Motor out of order due to voltage fluctuation.
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs) Ave. current capacity per unit (m³/hrs) Ave. production hours, Summer (hrs/day) Total production, Summer (m³/day) Teatment plants (Nos.) AIRP IRP	duced) nce of Positive PIs Section 2009 2007 0&M,, Part of construction , Billing, Accounting,,,, 6 1 In operation Groundwater, 1 0 70 18 14 6 84	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells Pump Treatment plant Pipeline	0 0 0 0 84 0 0 0 84 0 0 0 8,400 67 Water level down in av. (10-12m) yearly. Motor out of order due to voltage fluctuation.
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs) Ave. current capacity per unit (m³/hrs) Ave. production hours, Summer (hrs/day) Total production, Summer (m³/day) Teatment plants (Nos.) AIRP IRP Surface water treatment plants	duced) nce of Positive PIs Section 2009 2007 O&M, , Part of construction , Billing, Accounting, , , , 6 1 In operation Groundwater, 1 0 70 18 14 6 84 0 0 0 0	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells Pump Treatment plant Pipeline Customer water meter	0 0 0 0 84 0 0 0 84 0 0 Water level down in av. (10-12m) yearly. Motor out of order due to voltage fluctuation Joint failure, sluice valve disorder, etc.
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs) Ave. current capacity per unit (m³/hrs) Ave. production hours, Summer (hrs/day) Total production, Summer (m³/day) Teatment plants (Nos.) AIRP IRP Surface water treatment plants Plants not in operation	duced) nce of Positive PIs Section 2009 2007 0&M,, Part of construction , Billing, Accounting,,,, f In operation Groundwater, 1 0 70 18 14 6 84 0 0 0 0 0 0	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells Pump Treatment plant Pipeline Customer water meter House connection	0 0 0 0 0 84 0 0 0 84 0 0 Water level down in av. (10-12m) yearly. Motor out of order due to voltage fluctuation. Joint failure, sluice valve disorder, etc.
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs) Ave. current capacity per unit (m³/hrs) Ave. production hours, Summer (hrs/day) Total production, Summer (m³/day) Teatment plants (Nos.) AIRP IRP Surface water treatment plants Plants not in operation Production of plant	duced) nce of Positive PIs Section 2009 2007 O&M, , Part of construction , Billing, Accounting, , , , 6 1 In operation Groundwater, 1 0 70 18 14 6 84 0 0 0 0 0 0 0	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells Pump Treatment plant Pipeline Customer water meter House connection O&M manuals (Nos.)	0 0 0 0 84 0 0 0 84 0 0 0 Water level down in av. (10-12m) yearly. Motor out of order due to voltage fluctuation Joint failure, sluice valve disorder, etc
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs) Ave. current capacity per unit (m³/hrs) Ave. production hours, Summer (hrs/day) Total production, Summer (m³/day) Teatment plants (Nos.) AIRP IRP Surface water treatment plants Plants not in operation Production of plant Total capacity (m³/hrs)	duced) nce of Positive PIs Section 2009 2007 O&M, , Part of construction , Billing, Accounting, , , , 6 1 In operation Groundwater, 1 0 70 18 14 6 84 0 0 0 0 0 0 0 0 0 0	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells Pump Treatment plant Pipeline Customer water meter House connection O&M manuals (Nos.) O&M assistance form DPHE	0 0 0 0 0 84 0 0 0 0 84,400 67 Water level down in av. (10-12m) yearly. Motor out of order due to voltage fluctuation Joint failure, sluice valve disorder, etc Leakage of fittings crack by iron 0 No
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs) Ave. current capacity per unit (m³/hrs) Ave. production hours, Summer (hrs/day) Total production, Summer (m³/day) Teatment plants (Nos.) AIRP IRP Surface water treatment plants Plants not in operation Production of plant	duced) nce of Positive PIs Section 2009 2007 O&M, , Part of construction , Billing, Accounting, , , , 6 1 In operation Groundwater, 1 0 70 18 14 6 84 0 0 0 0 0 0 0	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells Pump Treatment plant Pipeline Customer water meter House connection O&M manuals (Nos.)	0 0 0 0 84 0 0 0 84 0 0 0 Water level down in av. (10-12m) yearly. Motor out of order due to voltage fluctuation Joint failure, sluice valve disorder, etc

House connection fee (1/2") (Tk) 700	al resource
Production tube well Treatment plant Distribution network Expansion Production tube well Treatment plant No Production tube well Production tube well Treatment plant No Production tube well Preserved (service indicators) Coverage area (km²) Population served (people) Service connections (Nos.) Domestic Public tap/ stand pipe Public institutions Commercial & industrial Others Total Metered connections (Nos.) Applications outstanding (Nos.) New connections in 2010/2011 (Nos.) New connections in 2010/2011 (Nos.) New connections in 2010/2011 (Nos.) Water pressure at the end of network Continuity of service (hrs/day) Total No Tariff setting policy Water Quality Monitoring Water quality monitoring plan No Prequency of quality test Frequency of quality test Frequency of quality problems No Parameters checked Frequency of quality problems Water quality problems No Water quality problems No Parameters checked Frequency of quality monitoring No Parameters Checked Frequency of quality problems Frequency of quality monitoring No Parameters Checked Frequency of quality problems Frequency of qu	al resource
Production tube well Treatment plant Distribution network Expansion Production tube well Treatment plant No Production tube well Production network Expansion Production tube well Preservice (Service indicators) Coverage area (km²) Population served (people) Service connections (Nos.) Domestic Public tap/ stand pipe Public institutions Commercial & industrial Others Total Metered connections (Nos.) Applications outstanding (Nos.) New connections in 2010/2011 (Nos.) Average waiting time (days) Water pressure at the end of network Continuity of service (hrs/day) Total No Tariff setting policy Tariff setting Production parameters checked Tariff setting Mater quality monitoring No Teammetrs checked Tariff setting Parametrs checked Tariff setting Parametr	al resource
Treatment plant Distribution network Expansion Production tube well Treatment plant Distribution network Expansion Production tube well Treatment plant Distribution network Ves Treatment plant Distribution network Ves Nos. of sampling location /year Nos. of sampling location /year Water quality problems Iron Accustomer Service (Service indicators) Coverage area (km²) Population served (people) Service connections (Nos.) Domestic Domestic Public tap/ stand pipe Public institutions Commercial & industrial Others Total Metered connections (Nos.) Applications outstanding (Nos.) Applications outstanding (Nos.) New connections in 2010/2011 (Nos.) New connections in 2010/2011 (Nos.) Water pressure at the end of network Continuity of service (hrs/day) Moderage waiting time (days) Water pressure at the end of network Continuity of service (hrs/day) Moderage waiting time (days) Value pressure at the end of network Continuity of service (hrs/day) Moderage waiting time (days) Value pressure at the end of network Continuity of service (hrs/day) Mater pressure at the end of network Continuity of service (hrs/day) Mater pressure at the end of network Continuity of service (hrs/day) Moderage waiting time (days) Value pressure at the end of network Continuity of service (hrs/day) Mater quality monitoring plan Valer quality problems No Valer quality problem	al resource
Distribution network Expansion Production tube well Treatment plant Distribution network Pes Treatment plant Distribution network Pes Treatment plant Distribution network Pes A. Customer Service (Service indicators) Coverage area (km²) Population served (people) Service connections (Nos.) Domestic Public tap/ stand pipe Public institutions Commercial & industrial Others Total Metered connections (Nos.) Applications outstanding (Nos.) New connections in 2010/2011 (Nos.) Average waiting time (days) Water pressure at the end of network Continuity of service (hrs/day) Pes Total Average waiting time (days) Water quality Monitoring No Parameters checked Frequency of quality test Frequency of quality test No Parameters checked Frequency of quality test Frequency of quality test Frequency of quality est Parameters checked Frequency of quality test Frequency of quality monitoring plan No Parameters checked Frequency of quality est Frequency of quality monitoring plan No Parameters checked Frequency of quality test Nos. of sampling location /year Water quality problems Froquency of quality est Frequency of quality est Frequency of quality est Frequency of quality est Frequency of quality est Nos. of sampling location /year Water quality problems Frequency of quality est Frequency of quality est Frequency of quality est Frequency of quality est Nos. of sampling location /year Water quality problems Frequency of quality rest Nos. of sampling location /year Water quality problems Frequency of quality rest Nos. of sampling location /year Water quality problems Frequency of quality rest Nos. of sampling location /year Nas of sampling location /year	al resource
Expansion Production tube well Production tube well Production tube well Production tube well Preatment plant Distribution network Yes Nos. of sampling location /year Water quality problems Frequency of quality test Nos. of sampling location /year Water quality problems Pron Major 3 problems (1) Low coverage Major 3 priority needs Others Others Others Total Metered connections (Nos.) Applications outstanding (Nos.) New connections in 2010/2011 (Nos.) Average waiting time (days) Water pressure at the end of network Continuity of service (hrs/day) Water quality monitoring plan Parameters checked Frequency of quality test Frequency of quality test Frequency of quality test Frequency of quality monitoring plan Parameters checked Frequency of quality monitoring plan Parameters checked Frequency of quality monitoring plan Frequency of quality ext Water quality problems Frequency of quality ext Frequency of quality mothers Water quality problems Frequency of quality mothers Water quality problems Frequency of quality mothers Water quality problems Frequency of quality mothers Water quality monters Water quality problems Frequency of quality mothers Water quality problems Frequency of quality mothers Water quality problems Frequency of quality mothers Water quality mothers Water quality mothers Water quality mothers Nos. of sampling location /year Water quality mothers Nos. of sampling location /year Water quality mothers Nos. of sampling location /year Water quality problems No of sampli	al resource
Production tube well Yes Parameters checked - Treatment plant No Frequency of quality test - Nos. of sampling location /year - Water quality problems Iron A. Customer Service (Service indicators) Coverage area (km²) 3 Population served (people) 20,000 Service connections (Nos.) 340 8. Problems and Priority Needs Domestic 321 Major 3 problems Public tap/ stand pipe 4 (1) Low coverage Public institutions 10 Commercial & industrial 5 (2) Less financia Others 0 Total 340 Major 3 priority needs Metered connections (Nos.) 0 Major 3 priority needs New connections in 2010/2011 (Nos.) 0 Major 3 priority needs New connections in 2010/2011 (Nos.) 0 Major 3 priority needs Water pressure at the end of network , Low, (2) Increase of processing the production of	al resource
Production tube well Yes Parameters checked - Treatment plant No Frequency of quality test - Nos. of sampling location /year - Water quality problems Iron A. Customer Service (Service indicators) Coverage area (km²) 3 Population served (people) 20,000 Service connections (Nos.) 340 8. Problems and Priority Needs Domestic 321 Major 3 problems Public tap/ stand pipe 4 (1) Low coverage Public institutions 10 Commercial & industrial 5 (2) Less financia Others 0 Total 340 Major 3 priority needs Metered connections (Nos.) 0 Major 3 priority needs New connections in 2010/2011 (Nos.) 0 Major 3 priority needs New connections in 2010/2011 (Nos.) 0 Major 3 priority needs Water pressure at the end of network , Low, (2) Increase of processing the production of	al resource
Treatment plant Distribution network 4. Customer Service (Service indicators) Coverage area (km²) Population served (people) Service connections (Nos.) Domestic Public tap/ stand pipe Public institutions Commercial & industrial Others Total Metered connections (Nos.) Applications outstanding (Nos.) Applications in 2010/2011 (Nos.) Average waiting time (days) Water quality problems Water quality problems Water quality problems Public problems Major 3 problems Major 3 problems (1) Low coverage (2) Less financia (3) In sufficient to managerial company of the problems Major 3 priority needs Major 3 priority needs (1) Production water pressure at the end of network Average waiting time (days) Water pressure at the end of network Continuity of service (hrs/day) Major 3 priority needs (1) Production water pressure at the end of network Average (2) Increase of problems New continuity of service (hrs/day)	al resource
Distribution network 4. Customer Service (Service indicators) Coverage area (km²) Population served (people) Service connections (Nos.) Domestic Public tap/ stand pipe Public institutions Commercial & industrial Others Total Metered connections (Nos.) Applications outstanding (Nos.) New connections in 2010/2011 (Nos.) New connections in 2010/2011 (Nos.) Water pressure at the end of network Continuity of service (hrs/day) Yes Nos. of sampling location /year Water quality problems Iron Nater quality problems Najor 3 problems Major 3 problems (1) Low coverage Major 3 priority needs (3) In sufficient of managerial continuity of service (hrs/day) (4) Production of production of problems Nater quality problems Nater quality problems Major 3 priority needs	al resource
A. Customer Service (Service indicators) Coverage area (km²) Population served (people) Service connections (Nos.) Domestic Public tap/ stand pipe Public institutions Comercial & industrial Others Total Metered connections (Nos.) Applications outstanding (Nos.) New connections in 2010/2011 (Nos.) Average waiting time (days) Water pressure at the end of network Continuity of service (hrs/day) Water pressure at the end of network Coverage area (km²) 340 B. Problems and Priority Needs Major 3 problems (1) Low coverage (2) Less financia (3) In sufficient to managerial of the production of the produ	al resource
Coverage area (km²) 3 Population served (people) 20,000 Service connections (Nos.) 340 Service connections (Nos.) 340 Domestic 321 Public tap/ stand pipe 4 Public institutions 10 Commercial & industrial 5 Others 0 Total 340 Metered connections (Nos.) 0 Applications outstanding (Nos.) 0 New connections in 2010/2011 (Nos.) 0 Average waiting time (days) Water pressure at the end of network Continuity of service (hrs/day) 6	al resource
Coverage area (km²) 3 Population served (people) 20,000 Service connections (Nos.) 340 Domestic 321 Public tap/ stand pipe 4 Public institutions 10 Commercial & industrial 5 Others 0 Total 340 Metered connections (Nos.) 0 Applications outstanding (Nos.) 0 New connections in 2010/2011 (Nos.) 0 Average waiting time (days) 0 Water pressure at the end of network 7, Low, Continuity of service (hrs/day) 6 8. Problems and Priority Needs Major 3 problems (1) Low coverage	al resource
Population served (people) 20,000 Service connections (Nos.) 340 Domestic 321 Public tap/ stand pipe 4 Public institutions 10 Commercial & industrial 5 Others 0 Total 340 Metered connections (Nos.) 0 Applications outstanding (Nos.) 0 New connections in 2010/2011 (Nos.) 0 Average waiting time (days) 0 Water pressure at the end of network Continuity of service (hrs/day) 6 Service connections (Nos.) 340 Service Service (hrs/day) 6 Service connections and Priority Needs Major 3 problems (1) Low coverage (1) Low cove	al resource
Service connections (Nos.) 340 Domestic 321 Public tap/ stand pipe 4 Public institutions 10 Commercial & industrial 5 Others 0 Total 340 Metered connections (Nos.) 0 Applications outstanding (Nos.) 0 New connections in 2010/2011 (Nos.) 0 Average waiting time (days) 0 Water pressure at the end of network 7 Continuity of service (hrs/day) 6	al resource
Domestic 321 Major 3 problems Public tap/ stand pipe 4 (1) Low coverage Public institutions 10 (2) Less financia Others 0 (3) In sufficient 1 Metered connections (Nos.) 0 Major 3 priority needs New connections in 2010/2011 (Nos.) 0 Major 3 priority needs New connections in 2010/2011 (Nos.) 0 (1) Production was Average waiting time (days) 0 Water pressure at the end of network (2) Increase of processing time (hrs/day) 6	al resource
Public tap/ stand pipe 4 (1) Low coverage Public institutions 10 (2) Less financia Others 0 (3) In sufficient to Metered connections (Nos.) 0 (3) In sufficient to Major 3 priority needs New connections in 2010/2011 (Nos.) 0 (1) Production was average waiting time (days) 0 (2) Increase of production of product	al resource
Public tap/ stand pipe 4 (1) Low coverage Public institutions 10 (2) Less financia Others 0 (3) In sufficient is Metered connections (Nos.) 0 (3) In sufficient is managerial of Applications outstanding (Nos.) 0 (1) Production was Average waiting time (days) 0 (2) Increase of production of produc	al resource
Public institutions 10 Commercial & industrial 5 Others 0 Total 340 (3) In sufficient of managerial commercials of managerials of man	al resource
Commercial & industrial 5 (2) Less financia Others 0 Total 340 (3) In sufficient of managerial of ma	
Others 0 Total 340 (3) In sufficient of managerial of Metered connections (Nos.) 0 Applications outstanding (Nos.) 0 Major 3 priority needs New connections in 2010/2011 (Nos.) 0 Average waiting time (days) 0 Water pressure at the end of network , , Low, Continuity of service (hrs/day) 6	
Total 340 (3) In sufficient of Metered connections (Nos.) 0 managerial of Major 3 priority needs New connections in 2010/2011 (Nos.) 0 (1) Production was average waiting time (days) 0 (2) Mater pressure at the end of network (2) Increase of production by Continuity of service (hrs/day) 6	technical and
Metered connections (Nos.) 0 managerial of Applications outstanding (Nos.) 0 Major 3 priority needs New connections in 2010/2011 (Nos.) 0 (1) Production was average waiting time (days) 0 (2) Mater pressure at the end of network (2) Increase of production of the continuity of service (hrs/day) 6	technical and
Metered connections (Nos.) 0 managerial of Applications outstanding (Nos.) 0 Major 3 priority needs New connections in 2010/2011 (Nos.) 0 (1) Production was average waiting time (days) 0 (2) Mater pressure at the end of network (2) Increase of production of the continuity of service (hrs/day) 6	
Applications outstanding (Nos.) 0 Major 3 priority needs New connections in 2010/2011 (Nos.) 0 (1) Production w Average waiting time (days) 0 Water pressure at the end of network , , Low, Continuity of service (hrs/day) 6	canacity
New connections in 2010/2011 (Nos.) 0 (1) Production w Average waiting time (days) 0 Water pressure at the end of network , Low, Continuity of service (hrs/day) 6	capacity
Average waiting time (days) 0 Water pressure at the end of network , , Low, Continuity of service (hrs/day) 6 (2) Increase of p	
Water pressure at the end of network ,, Low, (2) Increase of p Continuity of service (hrs/day) 6	well and pump
Water pressure at the end of network ,, Low, (2) Increase of p Continuity of service (hrs/day) 6	
Continuity of service (hrs/day) 6	nroduction capacity
	production capacity
Customer with 24 hrs supply (%) 0 (3) Reduction of	
	of leakage
Annual complaints (Nos.) 125	
(1) Low pressure (1) Past 10 years projects	
Name -	
(2) No 24 hours supply	
Period -	
(3) Iron Funding agency	
Executing agency -	
5. Financial Information (FY2010/11) (2) Past 10 years projects	
Annual revenue (Tk) 460,000 -	
Annual expenditure (Tk) 570,000 Period -	
Annual O&M Costs (Tk) 395,000 Funding agency -	
Annual billings (Tk) 215,625 Executing agency -	
Annual collections (Tk) 211,315 On-going projects -	
Water arrears (Tk) 16,520 Name -	
Electricity arrears (Tk) 0 Extension of	f nine line
	i pipe iiiie
Payment methods Pourashava office, Period 2010-11	
Self-billing No Funding agency BMDF/Poura	ashava
Billing frequency Monthly Executing agency Pourashava	i
Tariff Structure Based on pipe size Nos. of training 5	
Nos. of Staff 6	
Domestic 13 mm (1/2") (Tk/month) 60 Name of training (1) Quality of civ	ivil works
	and maintenance
	acci Oi DIIIS
D. Non-Piped Water Supply Area	
1. Necessity of Piped Water Supply Main treatment method in domestic None, , ,	
Necessity of As contaminated wells (Nos.) No data	
Piped water Yes Arsenic contaminated water supply (%) No data	
Water meter Yes Unhygienic drinking water (%) No data	
Reasons To save water and reduce waste in household and % of people using neighbor's well for drinking 50	
reduce non-revenue water, meter is required. It help	eclining, Iron
us to improve the efficiency of our system.	
Affordability (answered by pourashava staff) 0 3. Potential Water Sources for Non-Piped Water Sup	nnly System
Average household income/month (Tk) 12,000 Potential water sources <u>Evaluation</u>	WQ problems
Affordability for piped water (Tk/month) 60 Shallow well Moderate Irr	ron
Affordable price in total household income (%) 1 Deep well	
	emoving water pollution by treatment
	_ , ,
Source Nos. of source Drinking (%) Domestic (%) Other sources Yes -	
River 1 0 5 Decrease of ground water level	
Shallow well (m/year) 30.0	
Deep well 0 0 Deep well (m/year)	

Nalitabari With Piped Water Supply System

A. Pourashava Profile Sanitation coverage Class Division Dhaka Latrine with septic tank (%) 5 Water sealed slab latrine (%) District Shernur 10 Water-related diseases Year established 1993 , Diarrhea, , , Dysentery, Contact Tel/Fax 0932473221 Technical staff (Nos.) E-mail Population (FY2010/2011) 27,415 Financial statements (2010/2011) Nos. of households (FY2010/2011) 6,868 Annual budget (Tk) 87,805,800 Literacy (%) 70 Revenue (Tk) 75,148,668 74,805,800 Expenditure (Tk) 9 Land area (km2) Residential area (km²) 4 Computerization Holding tax management, Accounting, Trade license, Salary payment, Rate schedule and Residential area pop. density (persons/ha) 74 estimate preparation, Engineering, Yearly logical budget preparation, Procurement, Electricity coverage (%) 50 Electricity availability (hrs) Committee formed Yes, 3 months Summer TLCC /Frequency of meeting Winter 10 WATSAN/Frequency of meeting Yes, 1 month **B. Key Performance Indicators (Efficiency Indicators)** Water supply coverage (%) n 30 Metering ratio (%) Per capita produced water (L/d/ca) 222 Operating ratio (%) 106 Supply Hour (Hrs) 6 Collection ratio in amount (%) 32 Non-revenue water (NRW) (%) Collection period (days) 339 0.8 Staffs/ 1,000 connections (ratio) Pipe leakage ratio (point/km) 6 Average revenue (Tk/m3 produced) Electricity arrear to annual revenue (%) Average O&M cost (Tk/m3 produced) Water supply Pipe leakage ratio (point/km) coverage (%) 10 Per capita Electricity arrear Average O&M Collection ratio in 6 oduced water to annual revenue cost (Tk/m3 amount (%) (L/d/ca) (%) produced) d Staffs/ 1,000 Operating ratio Metering ratio (%) Supply hours (hrs) connections (ratio) Average revenue Collection period (Tk/m3 produced) (days) **Overall performance of Positive Pls Overall performance of Negative Pls** C. Water Supply Profile Chlorination points (Nos.) 1. General Information of Water Supply Section Water section established (year) 0 PTW Piped system introduced (year) 2005 IRP/AIRP 0 O&M,, Pourashava responsibility Surface WTP 0 Bulk flow meters (Nos.) 0 Computerization/Automation , Billing, , , , , Bulk flow meter readings (Nos.) 0 Total production, Summer (m³/day) 1,800 Staff in water section (Nos.) (2) Distribution In which, staff with diploma or higher Overhead tank 0 qualification (Nos.) 2. Water Supply System Overhead tanks (Nos.) O Operation of water supply facilities 0 In operation Total capacity (m³) (1) Production Distribution network (km): 12,000 Water sources for piped system Groundwater, Leakages in distribution (Nos.) 10 (3) O&M Problems Production tube well Capacity is very poor PTW (Nos.) Production wells PTW not in operation (Nos.) 0 Pump burning Ave. depth (m) 210 Pump 100 Capacity at commission (m³/hrs) Ave. current capacity per unit (m³/hrs) 90 Treatment plant Ave. production hours, Summer (hrs/day) 10 Leakage and problem in joint 1,800 **Pipeline** Total production, Summer (m³/day) Teatment plants (Nos.) AIRP 0 Customer water meter IRP O Lockage in connection Surface water treatment plants 0 House connection Plants not in operation n Production of plant 0 O&M manuals (Nos.) Total capacity (m³/hrs) O&M assistance form DPHE 0 No Production hours, Summer (hrs/day) 0 Annual leakages (Nos.) 10 Total production (m³/day) 0 Leakage detection activity Yes

3. Needs of Rehabilitation and Expansion	n	House connection fee (1/2") (Tk)	500
Rehabilitation		Tariff adopted year	2009
Production tube well	Yes	Tariff setting policy	, , , People's affordability to pay, ,
Treatment plant	No	5 to 17	
· ·			
Distribution network	Yes	7. Water Quality Monitoring	
Expansion		Water quality monitoring plan	No
Production tube well	Yes	Parameters checked	-
Treatment plant	Yes	Frequency of quality test	_
The state of the s			
Distribution network	Yes	Nos. of sampling location /year	-
4. Customer Service (Service indicators)		Water quality problems	-
Coverage area (km²)	3		
Population served (people)	8,100		
	776	O Duchlance and Driavity Noods	
Service connections (Nos.)		8. Problems and Priority Needs	
Domestic	730	Major 3 problems	
Public tap/ stand pipe	30	(1)	Low coverage
Public institutions	0		
Commercial & industrial	16	(2)	Low treatment technology
		(2)	Low treatment technology
Others	0		
Total	776	(3)	In sufficient technical and
Metered connections (Nos.)	0		management capacity
` '		Major 3 priority poods	,
Applications outstanding (Nos.)	0	Major 3 priority needs	Supervision 1
New connections in 2010/2011 (Nos.)	0	(1)	Expansion and replacement of
Average waiting time (days)	0		network
Water pressure at the end of network	, , Low,	(2)	Production well and pump
Continuity of service (hrs/day)	6	(2)	Ferrip
			Enhancing
Customer with 24 hrs supply (%)	0	(3)	Enhancing customer services
Annual complaints (Nos.)	30		and public relations
Major complaints		9. Past and On-going Projects and Traini	ng
	pressure low	(1) Past 10 years projects	ŭ
/1	pressure low		
		Name	-
(2	Pipe line Lockage		-
		Period	-
(3		Funding agency	_
(3			
		Executing agency	-
5. Financial Information (FY2010/11)		(2) Past 10 years projects	-
Annual budget (Tk)	965,000	Name	-
Annual revenue (Tk)	910,000		_
` '		D : 1	
Annual expenditure (Tk)	965,000	Period	-
Annual O&M Costs (Tk)	965,000	Funding agency	-
Annual billings (Tk)	546,000	Executing agency	-
Annual collections (Tk)	176,369	On-going projects	_
		= = : :	
Water arrears (Tk)	844,817	Name	-
Electricity arrears (Tk)	200,000		-
Payment methods	, Bank	Period	-
Self-billing	No	Funding agency	_
Billing frequency	Monthly	Executing agency	-
6. Water Tariff and Metering (See Tarif	Database)	Training	-
Tariff Structure	Based on pipe size	Nos. of training	1
		Nos. of Staff	1
Domostic 12 (4 (21) (TL (125		
Domestic 13 mm (1/2") (Tk/month)	125	Name of training (1)	Computer billing
Non-domestic lowest (Tk/month)	250	Name of training (2)	-
Lowest volumetric charge (Tk/m³)			-
LOWEST VOIGINETING CHANGE (TK/III)	0	Name of training (3)	
	0	Name of training (3)	
D. Non-Piped Water Supply Area	0		
D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply	0	Main treatment method in domestic	None, , ,
D. Non-Piped Water Supply Area	0		None, , , 100
D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of	Yes	Main treatment method in domestic As contaminated wells (Nos.)	
D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water	Yes	Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%)	100 1
D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	Yes Yes	Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%)	100 1 0
D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water	Yes Yes For 100% revenue collection & to decrease wastage	Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%)	100 1 0 3
D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	Yes Yes	Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%)	100 1 0 3 Iron, Arsenic, 50% hand tube well fail
D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	Yes Yes For 100% revenue collection & to decrease wastage	Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	100 1 0 3
D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	Yes Yes For 100% revenue collection & to decrease wastage	Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	100 1 0 3 Iron, Arsenic, 50% hand tube well fail
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D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	Yes Yes For 100% revenue collection & to decrease wastage	Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	100 1 0 3 Iron, Arsenic, 50% hand tube well fail in summer
D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons	Yes Yes For 100% revenue collection & to decrease wastage of water	Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area	100 1 0 3 Iron, Arsenic, 50% hand tube well fail in summer
D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk)	Yes Yes For 100% revenue collection & to decrease wastage of water 0 15,000	Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources	100 1 0 3 Iron, Arsenic, 50% hand tube well fail in summer d Water Supply System Evaluation WQ problems
D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month)	Yes Yes For 100% revenue collection & to decrease wastage of water 0 15,000 225	Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well	100 1 0 3 Iron, Arsenic, 50% hand tube well fail in summer d Water Supply System Evaluation WQ problems Moderate No problem
D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk)	Yes Yes For 100% revenue collection & to decrease wastage of water 0 15,000	Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources	100 1 0 3 Iron, Arsenic, 50% hand tube well fail in summer d Water Supply System Evaluation WQ problems Moderate No problem High No problem
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D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped V	Yes Yes For 100% revenue collection & to decrease wastage of water 0 15,000 225 2 Vater Supply Area	Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources	100 1 0 3 Iron, Arsenic, 50% hand tube well fail in summer d Water Supply System Evaluation WQ problems Moderate No problem High No problem Moderate Turbidity
D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped V Source	Yes Yes For 100% revenue collection & to decrease wastage of water 0 15,000 225 2 Vater Supply Area Nos. of source Drinking (%) Domestic (%)	Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources	100 1 0 3 Iron, Arsenic, 50% hand tube well fail in summer d Water Supply System Evaluation WQ problems Moderate No problem High No problem
D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped V Source River	Yes Yes For 100% revenue collection & to decrease wastage of water 0 15,000 225 2 Vater Supply Area Nos. of source Drinking (%) Domestic (%) 1 0 15	Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level	100 1 0 3 Iron, Arsenic, 50% hand tube well fail in summer d Water Supply System Evaluation WQ problems Moderate No problem High No problem Moderate Turbidity No -
D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped V Source	Yes Yes For 100% revenue collection & to decrease wastage of water 0 15,000 225 2 Vater Supply Area Nos. of source Drinking (%) Domestic (%)	Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level	100 1 0 3 Iron, Arsenic, 50% hand tube well fail in summer d Water Supply System Evaluation WQ problems Moderate No problem High No problem Moderate Turbidity
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D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped V Source River Shallow well Deep well	Yes Yes For 100% revenue collection & to decrease wastage of water 0 15,000 225 2 Vater Supply Area Nos. of source Drinking (%) Domestic (%) 1 0 15 1,500 99 65 2 1 1	Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year) Deep well (m/year)	100 1 0 3 Iron, Arsenic, 50% hand tube well fail in summer d Water Supply System Evaluation WQ problems Moderate No problem High No problem Moderate Turbidity No -
D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordabile price in total household income (%) 2. Exiting Water Sources in Non-Piped V Source River Shallow well	Yes Yes For 100% revenue collection & to decrease wastage of water 0 15,000 225 2 Vater Supply Area Nos. of source Drinking (%) Domestic (%) 1 0 15,000 99 65	Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year) Deep well (m/year)	100 1 0 3 Iron, Arsenic, 50% hand tube well fail in summer d Water Supply System Evaluation WQ problems Moderate No problem High No problem Moderate Turbidity No -

With Piped Water Supply System

Naogaon

Total production (m³/day)

0

Nac	ogaon			With Piped Water Supply System
A. Po	urashava Profile			
Cla		A	Sanitation coverage	
			· · · · · · · · · · · · · · · · · · ·	90
	vision	Rajshahi	Latrine with septic tank (%)	
	strict	Naogaon	Water sealed slab latrine (%)	7
	ar established	1963	Water-related diseases	,,,,,
Co	ntact Tel/Fax	Tel: 0741-62355, 0741-61404		
	E-mail		Technical staff (Nos.)	9
Po	pulation (FY2010/2011)	1,500,025	Financial statements (2010/2011)	
No	s. of households (FY2010/2011)	21,445	Annual budget (Tk)	58,885,716
Lite	eracy (%)	82	Revenue (Tk)	48771116
Lar	nd area (km²)	38	Expenditure (Tk)	54,849,089
1	Residential area (km²)	15	Computerization	Holding tax management, Accounting, Trade
F	Residential area pop. density (persons/ha)	977		license, Salary payment, Rate schedule and estimate preparation, Engineering, Yearly
Ele	ectricity coverage (%)	80		logical budget preparation, Procurement,
Ele	ectricity availability (hrs)		Committee formed	
	Summer	12	TLCC /Frequency of meeting	Yes, 3 months
	Winter	18	WATSAN/Frequency of meeting	Yes, 6 months
B Ke	y Performance Indicators (Effi	ciency Indicators)	, , ,	
			Naturia - vetic (0/)	
	ater supply coverage (%)	5	Metering ratio (%)	0
	r capita produced water (L/d/ca)	181	Operating ratio (%)	111
	pply Hour (Hrs)	12	Collection ratio in amount (%)	50
	n-revenue water (NRW) (%)	20	Collection period (days)	391
	oe leakage ratio (point/km)	0.9	Staffs/ 1,000 connections (ratio)	4
Av	erage revenue (Tk/m3 produced)	2	Electricity arrear to annual revenue (%)	14
Av	erage O&M cost (Tk/m3 produced)	2.2		
l ,				
	Waters	upply	Pipe leakage ratio	
	coverag	e (%)	(point/km)	
	10		10	
	Collection ratio in 6	Per capita	Electricity arrear	Average O&M cost
	amount (%)	produced water	to annual revenue	(Tk/m3 produced)
	2	(L/d/ca)	(%)	
		*		
	Adamsis a serie (or)	Coursely become (burs)	Staffs/ 1,000	Operating ratio (9/)
	Metering ratio (%)	Supply hours (hrs)	connections (ratio)	Operating ratio (%)
	Average r	evenue	Collection period	
	(Tk/m3 pro	I	(days)	
l			Outside Hands and American	of Noroskina Dia
	Overall performan	ce of Positive PIS	Overall performance	of Negative Pis
C. Wa	ater Supply Profile			
1. Gen	eral Information of Water Supply S	ection	Chlorination points (Nos.)	
	ater section established (year)	1992	PTW	0
	ped system introduced (year)	1990	IRP/AIRP	Not operated
	urashava responsibility	O&M, , Part of construction	Surface WTP	
10	a. as.iava responsibility		Bulk flow meters (Nos.)	6
Co	mouterization/Automation	Rilling Accounting Accot	· · · ·	6
L CO	mputerization/Automation	, Billing, Accounting, Asset	Bulk flow meter readings (Nos.)	
		management, , ,	Total production, Summer (m³/day)	12,300
	off in water section (Nos.) which, staff with diploma or higher	30	(2) Distribution	
	alification (Nos.)	1	Overhead tank	0
	ter Supply System		Overhead tanks (Nos.)	3
	peration of water supply facilities	In operation	Total capacity (m ³)	Do not know
1	Production		Distribution network (km):	63,500
	ater sources for piped system	Groundwater,	Leakages in distribution (Nos.)	57
	oduction tube well	J. Gariawater,	(3) O&M Problems	, , , , , , , , , , , , , , , , , , ,
		10	• •	Insufficient depth of submersible well
	PTW (Nos.)	10	Production wells	and the second second
	PTW not in operation (Nos.)	0	Durana	Production capacity has been reduced
	Ave. depth (m)	42	Pump	. reduction capacity has been reduced
	Capacity at commission (m ³ /hrs)	137		On another and a list
	Ave. current capacity per unit (m ³ /hrs)	98	Treatment plant	Operation cost very high
/	Ave. production hours, Summer (hrs/day)	12		
	Total production, Summer (m ³ /day)	12,300	Pipeline	Insufficient diameter of line to be washed.
Tea	atment plants (Nos.)			
,	AIRP	0	Customer water meter	No problem
1	IRP	2		
9	Surface water treatment plants	0	House connection	
	Plants not in operation	2		
	oduction of plant	0	O&M manuals (Nos.)	0
	Total capacity (m ³ /hrs)	800	O&M assistance form DPHE	No
	rotal capacity (III / IIIS)		Carr assistance form bill	
	Production hours Summer (hrs/day)	Not operation	Annual leakages (Nos.)	57
1	Production hours, Summer (hrs/day)	Not operation	Annual leakages (Nos.)	57 Yes

Leakage detection activity

Yes

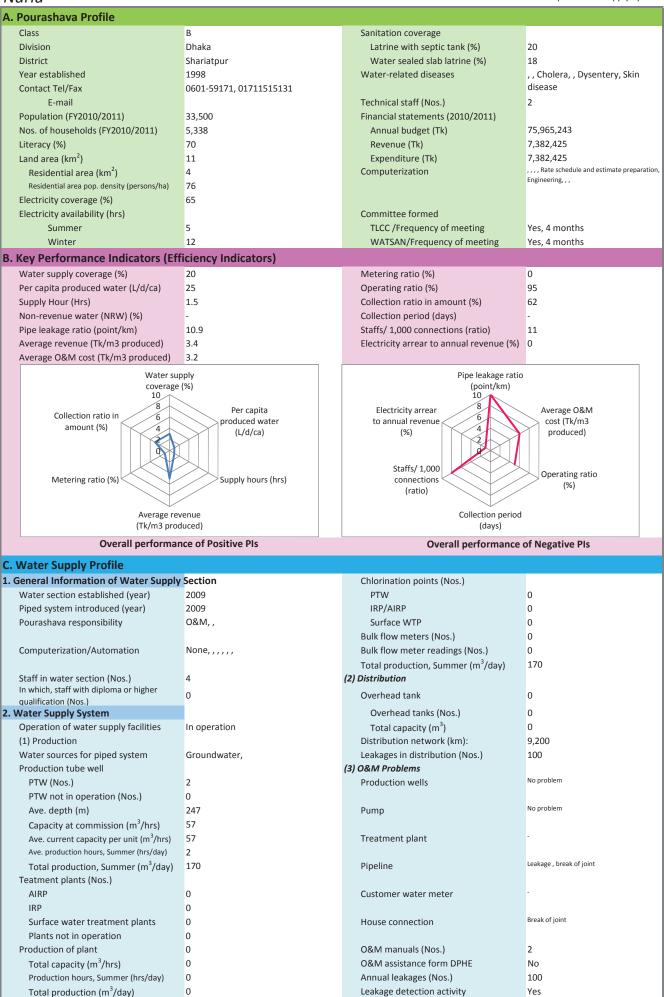
3. Needs of Rehabilitation and Expans	sion		House connection fee (1/2") (Tk)	800
Rehabilitation	SIUII			-
Production tube well		Yes	Tariff adopted year Tariff setting policy	Full cost recovery, , , People's
Treatment plant		Yes	Tariff Setting policy	affordability to pay, ,
Distribution network		Yes	7. Water Quality Monitoring	
Expansion		163	Water quality monitoring plan	No
· ·		Voc	Parameters checked	-
Production tube well		Yes		-
Treatment plant		Yes	Frequency of quality test	-
Distribution network		Yes	Nos. of sampling location /year	Iron in water, pipe line has been
4. Customer Service (Service indicato			Water quality problems	blocked by iron. Pipe line to be washed.
Coverage area (km²)		23		, , , , , , , , , , , , , , , , , , , ,
Population served (people)		68,000		
Service connections (Nos.)		6,967	8. Problems and Priority Needs	
Domestic		6,326	Major 3 problems	
Public tap/ stand pipe		180	(1)	Low coverage
Public institutions		0		
Commercial & industrial		461	(2)	Less financial resources
Others		0		2000 manetar researces
Total		6,967	(3)	Insufficient technical &
Metered connections (Nos.)		0		managerial capacity
Applications outstanding (Nos.)		0	Major 3 priority needs	
New connections in 2010/2011 (Nos.)		57	(1)	Increase of production capacity
Average waiting time (days)		3		
Water pressure at the end of network		, , Low,	(2)	Improvement of water quality
Continuity of service (hrs/day)		12		
Customer with 24 hrs supply (%)		0	(3)	Production well and pump
Annual complaints (Nos.)		30	(-/	· ·
Major complaints			9. Past and On-going Projects and Trainin	g
,, ,	(1)	Iron in water	(1) Past 10 years projects	
	` '		Name	_
	(2)	Low pressure	· · · · · · · · · · · · · · · · · · ·	_
	(-)	zon pressure	Period	_
	(3)	Insufficient pipe network	Funding agency	_
	(3)	madricient pipe network		
F. Financial Information (FV2010/11)			Executing agency	-
5. Financial Information (FY2010/11)		1 107 277	(2) Past 10 years projects	-
Annual budget (Tk)		1,187,377	Name	-
Annual revenue (Tk)		9,031,804		-
Annual expenditure (Tk)		10,015,724	Period	-
Annual O&M Costs (Tk)		10,015,724	Funding agency	-
Annual billings (Tk)		18,737,000	Executing agency	-
Annual collections (Tk)		9,372,000	On-going projects	-
Water arrears (Tk)		9,675,000	Name	-
Electricity arrears (Tk)		1,300,000		UPRP & DTWP (LGED)
Payment methods		, Bank	Period	2009-2014 & 2011-2012
Self-billing		No	Funding agency	UNDP & GOB
Billing frequency		Monthly	Executing agency	UNDP Staff & Pourashava-LGED
6. Water Tariff and Metering (See Ta	riff (Database)	Training	0
Tariff Structure		Fixed amount	Nos. of training	2
			Nos. of Staff	3
Domestic 13 mm (1/2") (Tk/month)		125	Name of training (1)	Computer
Non-domestic lowest (Tk/month)		250	Name of training (2)	
			realite of training (2)	Sanitation & Water Management
Lowest volumetric charge (Tk/m³)		0	Name of training (2)	Sanitation & Water Management -
Lowest volumetric charge (Tk/m³)		0	5	Sanitation & Water Management -
Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area		0	Name of training (3)	
Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply		0	Name of training (3) Main treatment method in domestic	,,,, Filtration
Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of	а		Name of training (3) Main treatment method in domestic As contaminated wells (Nos.)	,,,Filtration
Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water	а	Yes	Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%)	,,,Filtration 300 10
Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	а		Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%)	,,,Filtration 300 10 20
Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water	а	Yes	Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	,,,Filtration 300 10 20
Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	а	Yes	Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%)	,,,Filtration 300 10 20
Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	а	Yes	Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	, , , Filtration 300 10 20 0 Water not available in hand tube wells
Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	а	Yes	Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	,,, Filtration 300 10 20 0 Water not available in hand tube wells in dry season, Locally, name vertical
Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons	a	Yes No	Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area	, , , Filtration 300 10 20 0 Water not available in hand tube wells in dry season, Locally, name vertical pump used in non pipe area in dry season.
Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staf	a f)	Yes No	Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piped	, , , Filtration 300 10 20 0 Water not available in hand tube wells in dry season, Locally, name vertical pump used in non pipe area in dry season. Water Supply System
Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staf	a f)	Yes No 0 8,000	Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipeo	, , , Filtration 300 10 20 0 Water not available in hand tube wells in dry season, Locally, name vertical pump used in non pipe area in dry season. Water Supply System Evaluation WQ problems
Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staf Average household income/month (Tk Affordability for piped water (Tk/month)	f) :) :h)	Yes No 0 8,000 200	Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipeo Potential water sources Shallow well	,,,, Filtration 300 10 20 0 Water not available in hand tube wells in dry season, Locally, name vertical pump used in non pipe area in dry season. Water Supply System Evaluation WQ problems High Iron in water
Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staf	f) :) :h)	Yes No 0 8,000	Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipeo	, , , Filtration 300 10 20 0 Water not available in hand tube wells in dry season, Locally, name vertical pump used in non pipe area in dry season. Water Supply System Evaluation WQ problems
Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staf Average household income/month (Tk Affordability for piped water (Tk/monty)	f) ::)	Yes No 0 8,000 200 3	Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipeo Potential water sources Shallow well	,,,, Filtration 300 10 20 0 Water not available in hand tube wells in dry season, Locally, name vertical pump used in non pipe area in dry season. Water Supply System Evaluation WQ problems High Iron in water
Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staf Average household income/month (Tk Affordability for piped water (Tk/mont) Affordable price in total household income (%)	f) ::)	Yes No 0 8,000 200 3	Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipeo Potential water sources Shallow well Deep well Surface water sources	,,,, Filtration 300 10 20 0 Water not available in hand tube wells in dry season, Locally, name vertical pump used in non pipe area in dry season. Water Supply System Evaluation WQ problems High Iron in water High Iron in water
Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staf Average household income/month (Tk Affordability for piped water (Tk/mont Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped	f) ::)	Yes No 0 8,000 200 3 ater Supply Area	Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piped Potential water sources Shallow well Deep well Surface water sources Other sources	,,,, Filtration 300 10 20 0 Water not available in hand tube wells in dry season, Locally, name vertical pump used in non pipe area in dry season. Water Supply System Evaluation WQ problems High Iron in water High Iron in water Moderate No problem
Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staf Average household income/month (Tk Affordability for piped water (Tk/mont) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Source	f) ::)	Yes No 0 8,000 200 3 ater Supply Area Nos. of source Drinking (%) Domestic (%)	Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piped Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level	,,,, Filtration 300 10 20 0 Water not available in hand tube wells in dry season, Locally, name vertical pump used in non pipe area in dry season. Water Supply System Evaluation WQ problems High Iron in water High Iron in water Moderate No problem
Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staf Average household income/month (Tk Affordability for piped water (Tk/mont) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Source River	f) ::)	Yes No 0 8,000 200 3 ater Supply Area Nos. of source Drinking (%) Domestic (%) 0 0 0	Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piped Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year)	,,,, Filtration 300 10 20 0 Water not available in hand tube wells in dry season, Locally, name vertical pump used in non pipe area in dry season. Water Supply System Evaluation WQ problems High Iron in water High Iron in water Moderate No problem No 0
Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staf Average household income/month (Tk Affordability for piped water (Tk/mont) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Source River Shallow well	f) ::)	Yes No 0 8,000 200 3 ater Supply Area Nos. of source Drinking (%) Domestic (%) 0	Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piped Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year) Deep well (m/year)	,,,, Filtration 300 10 20 0 Water not available in hand tube wells in dry season, Locally, name vertical pump used in non pipe area in dry season. Water Supply System Evaluation WQ problems High Iron in water High Iron in water Moderate No problem No 0
Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staf Average household income/month (Tk Affordability for piped water (Tk/mont Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Source River Shallow well Deep well	f) ::)	Yes No 0 8,000 200 3 ater Supply Area Nos. of source Drinking (%) Domestic (%) 0	Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piped Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year) Deep well (m/year)	,,,, Filtration 300 10 20 0 Water not available in hand tube wells in dry season, Locally, name vertical pump used in non pipe area in dry season. Water Supply System Evaluation WQ problems High Iron in water High Iron in water Moderate No problem No 0

Narail With Piped Water Supply System

A. Pourashava Profile Sanitation coverage Division Khulna Latrine with septic tank (%) 47 Water sealed slab latrine (%) District Narail 36 Year established Water-related diseases 1972 Contact Tel/Fax Tel: 0481-63478, Fax: 0481-62983 Technical staff (Nos.) E-mail 10 Population (FY2010/2011) 64,983 Financial statements (2010/2011) Nos. of households (FY2010/2011) Annual budget (Tk) 202,876,700 7,693 Literacy (%) 46 Revenue (Tk) 23,555,576 20,727,130 Expenditure (Tk) 22 Land area (km2) Residential area (km²) 12 Computerization Holding tax management, Accounting,, Salary payment, Rate schedule and estimate Residential area pop. density (persons/ha) 54 preparation, Engineering, Yearly logical budget preparation, Procurement, Electricity coverage (%) 70 Electricity availability (hrs) Committee formed Summer 16 TLCC /Frequency of meeting Yes, 1 month Winter 20 WATSAN/Frequency of meeting No B. Key Performance Indicators (Efficiency Indicators) Water supply coverage (%) 0 38 Metering ratio (%) Per capita produced water (L/d/ca) 178 Operating ratio (%) 112 Supply Hour (Hrs) 14 Collection ratio in amount (%) 74 Non-revenue water (NRW) (%) 14 Collection period (days) 125 Staffs/ 1,000 connections (ratio) Pipe leakage ratio (point/km) 5.4 Average revenue (Tk/m3 produced) 2.3 Electricity arrear to annual revenue (%) 0 Average O&M cost (Tk/m3 produced) 2.6 Water supply Pipe leakage ratio (point/km) coverage (%) 10 10 8 Per capita Electricity arrear Average O&M Collection ratio in produced water to annual revenue cost (Tk/m3 amount (%) (L/d/ca) (%) produced) Staffs/ 1,000 Operating ratio Metering ratio (%) Supply hours (hrs) connections (%) (ratio) Average revenue Collection period (Tk/m3 produced) (days) **Overall performance of Positive PIs Overall performance of Negative Pls** C. Water Supply Profile Chlorination points (Nos.) 1. General Information of Water Supply Section Water section established (year) 0 PTW Piped system introduced (year) 1985 IRP/AIRP 0 O&M,, Part of construction Pourashava responsibility Surface WTP 0 Bulk flow meters (Nos.) 0 Computerization/Automation , Billing, , , , , Bulk flow meter readings (Nos.) 0 Total production, Summer (m³/day) 4,450 Staff in water section (Nos.) (2) Distribution 16 In which, staff with diploma or higher 2 Overhead tank 0 qualification (Nos.) 2. Water Supply System Overhead tanks (Nos.) O Operation of water supply facilities 0 In operation Total capacity (m³) (1) Production Distribution network (km): 39.920 Water sources for piped system Groundwater, Leakages in distribution (Nos.) 215 (3) O&M Problems Production tube well Decrease of production capacity PTW (Nos.) Production wells PTW not in operation (Nos.) For the turbine pump maintenance cost is Ave. depth (m) 24 Pump very high 108 Capacity at commission (m³/hrs) Ave. current capacity per unit (m³/hrs) 91 Treatment plant Ave. production hours, Summer (hrs/day) 12 Old pipe line metal joint (dresser coupling) 4.450 **Pipeline** Total production, Summer (m³/day) frequently leakage Teatment plants (Nos.) AIRP 0 Customer water meter IRP O Leakage for connection clamp Surface water treatment plants 0 House connection Plants not in operation n Production of plant 0 O&M manuals (Nos.) Total capacity (m³/hrs) O&M assistance form DPHE 0 No Production hours, Summer (hrs/day) 0 215 Annual leakages (Nos.) Total production (m³/day) Leakage detection activity Yes

3. Needs of Rehabilitation and Expan	sion	House connection fee (1/2") (Tk)	150
Rehabilitation		Tariff adopted year	1991
Production tube well	Yes	Tariff setting policy	, Operation cost recovery (O&M
Treatment plant	No	· .	costs), , People's affordability to pay, ,
Distribution network	No	7. Water Quality Monitoring	
	140		No
Expansion		Water quality monitoring plan	No
Production tube well	Yes	Parameters checked	-
Treatment plant	Yes	Frequency of quality test	-
Distribution network	Yes	Nos. of sampling location /year	-
4. Customer Service (Service indicato	rs)	Water quality problems	Iron, Arsenic, Salinity
Coverage area (km²)	13	rrace: quanty problems	
Population served (people)	25,000		
Service connections (Nos.)	2,273	8. Problems and Priority Needs	
Domestic	2,081	Major 3 problems	
Public tap/ stand pipe	55	(1)	Less financial resources
Public institutions	137	``	
Commercial & industrial	0	(2)	Low coverage
		(2)	Low coverage
Others	0		
Total	2,273	(3)	Insufficient technical &
Metered connections (Nos.)	0		managerial capacity
Applications outstanding (Nos.)	0	Major 3 priority needs	
New connections in 2010/2011 (Nos.			24-hour supply
		(1)	24 Hour Suppry
Average waiting time (days)	0		
Water pressure at the end of network	, Fair, ,	(2)	Increase of production capacity
Continuity of service (hrs/day)	14		
Customer with 24 hrs supply (%)	0	(3)	Improvement of water quality
Annual complaints (Nos.)	200	1-7	
		9. Past and On-going Projects and Traini	ng
Major complaints	(4) No 24 hours		1'5
	(1) No 24 hours continuous supply	(1) Past 10 years projects	
		Name	-
	(2) Frequently leakage for the		-
	distribution line	Period	-
	(3) Iron	Funding agency	_
	(3)		
		Executing agency	-
5. Financial Information (FY2010/11)		(2) Past 10 years projects	-
Annual budget (Tk)	4,742,000	Name	-
Annual revenue (Tk)	3,721,934		-
Annual expenditure (Tk)	4,182,509	Period	-
Annual O&M Costs (Tk)	4,182,509	Funding agency	
Annual billings (Tk)	4,851,411	Executing agency	-
Annual collections (Tk)	3,580,400	On-going projects	-
Water arrears (Tk)	1,271,011	Name	-
Electricity arrears (Tk)	0		N/A
Payment methods	, Bank	Period	-
Self-billing	No	Funding agency	
Billing frequency	Monthly	Executing agency	-
6. Water Tariff and Metering (See Ta	Database)	Training	-
Tariff Structure	Based on pipe size	Nos. of training	1
		Nos. of Staff	0
Domestic 13 mm (1/2") (Tk/month)	150	Name of training (1)	N/A
Non-domestic lowest (Tk/month)	300	Name of training (2)	L'
· · · · · · · · · · · · · · · · · · ·			
Lowest volumetric charge (Tk/m³)	0	Name of training (3)	-
D. Non-Piped Water Supply Area	1		
1. Necessity of Piped Water Supply		Main treatment method in domestic	None, , ,
		Wall treatment method in domestic	
Necessity of		As contaminated wells (Nos.)	Do not know
Necessity of	Yes	As contaminated wells (Nos.)	
Piped water	Yes	As contaminated wells (Nos.) Arsenic contaminated water supply (%)	Do not know
Piped water Water meter	Yes	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%)	Do not know No data
Piped water		As contaminated wells (Nos.) Arsenic contaminated water supply (%)	Do not know No data 25
Piped water Water meter	Yes	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%)	Do not know No data 25 Salinity on shallow well, Shallow wells
Piped water Water meter	Yes	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	Do not know No data 25
Piped water Water meter	Yes	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	Do not know No data 25 Salinity on shallow well, Shallow wells
Piped water Water meter	Yes	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	Do not know No data 25 Salinity on shallow well, Shallow wells
Piped water Water meter Reasons	Yes For the better revenue collection	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area	Do not know No data 25 Salinity on shallow well, Shallow wells are contaminated easily
Piped water Water meter Reasons Affordability (answered by pourashava sta	Yes For the better revenue collection	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe	Do not know No data 25 Salinity on shallow well, Shallow wells are contaminated easily d Water Supply System
Piped water Water meter Reasons Affordability (answered by pourashava sta Average household income/month (Ti	Yes For the better revenue collection f) 0 15,000	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources	Do not know No data 25 Salinity on shallow well, Shallow wells are contaminated easily ad Water Supply System Evaluation WQ problems
Piped water Water meter Reasons Affordability (answered by pourashava sta	Yes For the better revenue collection f) 0 15,000	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe	Do not know No data 25 Salinity on shallow well, Shallow wells are contaminated easily d Water Supply System
Piped water Water meter Reasons Affordability (answered by pourashava sta Average household income/month (Ti	Yes For the better revenue collection f) 0 15,000	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources	Do not know No data 25 Salinity on shallow well, Shallow wells are contaminated easily d Water Supply System Evaluation WQ problems
Piped water Water meter Reasons Affordability (answered by pourashava sta Average household income/month (TI Affordability for piped water (Tk/mon Affordable price in total household income (%)	Yes For the better revenue collection f) 0 0 15,000 h) 150 0	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well	Do not know No data 25 Salinity on shallow well, Shallow wells are contaminated easily ed Water Supply System Evaluation WQ problems None Salinity High Iron
Piped water Water meter Reasons Affordability (answered by pourashava sta Average household income/month (TI Affordability for piped water (Tk/mon Affordable price in total household income (%) 2. Exiting Water Sources in Non-Pipe	Yes For the better revenue collection f) 0 0 15,000 h) 150 0 U Water Supply Area	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources	Do not know No data 25 Salinity on shallow well, Shallow wells are contaminated easily ed Water Supply System Evaluation WQ problems None Salinity High Iron Moderate Salinity
Piped water Water meter Reasons Affordability (answered by pourashava sta Average household income/month (TI Affordability for piped water (Tk/mon Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Source	Yes For the better revenue collection f) 0 0 15,000 h) 150 0 lWater Supply Area Nos. of source Drinking (%) Domestic (%)	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources	Do not know No data 25 Salinity on shallow well, Shallow wells are contaminated easily ed Water Supply System Evaluation WQ problems None Salinity High Iron
Piped water Water meter Reasons Affordability (answered by pourashava sta Average household income/month (TI Affordability for piped water (Tk/mon Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Source River	Yes For the better revenue collection f) 0 0 15,000 h) 150 0 0 Water Supply Area Nos. of source Drinking (%) Domestic (%)	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level	Do not know No data 25 Salinity on shallow well, Shallow wells are contaminated easily d Water Supply System Evaluation WQ problems None Salinity High Iron Moderate Salinity No -
Piped water Water meter Reasons Affordability (answered by pourashava sta Average household income/month (TI Affordability for piped water (Tk/mon Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Source	Yes For the better revenue collection f) 0 0 15,000 h) 150 0 lWater Supply Area Nos. of source Drinking (%) Domestic (%)	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level	Do not know No data 25 Salinity on shallow well, Shallow wells are contaminated easily ed Water Supply System Evaluation WQ problems None Salinity High Iron Moderate Salinity
Piped water Water meter Reasons Affordability (answered by pourashava sta Average household income/month (TI Affordability for piped water (Tk/mon Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Source River	Yes For the better revenue collection f) 0 0 15,000 h) 150 0 0 Water Supply Area Nos. of source Drinking (%) Domestic (%)	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year)	Do not know No data 25 Salinity on shallow well, Shallow wells are contaminated easily d Water Supply System Evaluation WQ problems None Salinity High Iron Moderate Salinity No -
Piped water Water meter Reasons Affordability (answered by pourashava sta Average household income/month (TI Affordability for piped water (Tk/mon Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piper Source River Shallow well Deep well	Yes For the better revenue collection f) 0 0 15,000 h) 150 0 lWater Supply Area Nos. of source Drinking (%) Domestic (%) 0 0 0 740 100 100 0 0 0	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year) Deep well (m/year)	Do not know No data 25 Salinity on shallow well, Shallow wells are contaminated easily d Water Supply System Evaluation WQ problems None Salinity High Iron Moderate Salinity No -
Piped water Water meter Reasons Affordability (answered by pourashava sta Average household income/month (TI Affordability for piped water (Tk/mon Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piper Source River Shallow well	Yes For the better revenue collection f) 0 0 15,000 h) 150 0 Water Supply Area Nos. of source Drinking (%) Domestic (%) 0 0 0 0 740 100 100	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year) Deep well (m/year)	Do not know No data 25 Salinity on shallow well, Shallow wells are contaminated easily d Water Supply System Evaluation WQ problems None Salinity High Iron Moderate Salinity No -

Naria With Piped Water Supply System



			100
3. Needs of Rehabilitation and Expansi	n	House connection fee (1/2") (Tk)	100
Rehabilitation		Tariff adopted year	2009
Production tube well	No	Tariff setting policy	, Operation cost recovery (O&M
Treatment plant	No	5 P P P P	costs), , People's affordability to pay, ,
'			
Distribution network	Yes	7. Water Quality Monitoring	
Expansion		Water quality monitoring plan	No
Production tube well	Yes	Parameters checked	-
Treatment plant	Yes	Frequency of quality test	-
Distribution network	Yes	Nos. of sampling location /year	-
4. Customer Service (Service indicators		Water quality problems	Iron problem
Coverage area (km²)	3		
Population served (people)	6,700		
Service connections (Nos.)	368	8. Problems and Priority Needs	
Domestic	350	Major 3 problems	
			Low coverage
Public tap/ stand pipe	0	(1)	Low coverage
Public institutions	4		
Commercial & industrial	12	(2)	Low treatment
Others	2		
		(2)	In a sefficient to aborical and
Total	368	(3)	Insufficient technical and
Metered connections (Nos.)	0		managerial capacity
Applications outstanding (Nos.)	0	Major 3 priority needs	
	0		Increase of production conseits
New connections in 2010/2011 (Nos.)		(1)	Increase of production capacity
Average waiting time (days)	0		
Water pressure at the end of network	, , Low,	(2)	House connection and water
Continuity of service (hrs/day)	2	. ,	meter
		(0)	
Customer with 24 hrs supply (%)	0	(3)	Enhancing customer services
Annual complaints (Nos.)	100		and public relations
Major complaints		9. Past and On-going Projects and Traini	ng
· · · · · · · · · · · · · · · · · · ·) Pipe leakage	(1) Past 10 years projects	ŭ
(.) Fipe leakage		
		Name	-
(2) Pipe broken (House conn. +		-
	Distribution pipe)	Period	_
,,			
(:	Dirty water	Funding agency	-
		Executing agency	-
5. Financial Information (FY2010/11)		(2) Past 10 years projects	_
	0		
Annual budget (Tk)		Name	-
Annual revenue (Tk)	210,000		-
Annual expenditure (Tk)	199,924	Period	-
Annual O&M Costs (Tk)	199,924	Funding agency	_
Annual billings (Tk)	340,000	Executing agency	-
Annual collections (Tk)	210,000	On-going projects	-
Water arrears (Tk)	Do not know	Name	_
` '		1101110	
Electricity arrears (Tk)	0		-
Payment methods	,	Period	-
Self-billing	Yes	Funding agency	-
Billing frequency	Monthly	Executing agency	
	•		
6. Water Tariff and Metering (See Tari	Database)	Training	-
Tariff Structure	Based on pipe size	Nos. of training	0
		Nos. of Staff	0
Domestic 13 mm (1/2") (Tk/month)			
DOMESTIC 13 mm (1//") (1k/month)	100	Namo of training (1)	
``''	100	Name of training (1)	-
Non-domestic lowest (Tk/month)	100	Name of training (1) Name of training (2)	-
``''			- -
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³)	0	Name of training (2)	- - -
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area	0	Name of training (2) Name of training (3)	-
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³)	0	Name of training (2)	Boiling, , Filtration
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area	0	Name of training (2) Name of training (3)	- - , Boiling, , Filtration
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of	0	Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.)	85
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water	0 0 Yes	Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%)	85 1
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	0 0 Yes Yes	Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%)	85
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water	O O Yes Yes Water misuse will be prevented and revenue will be	Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%)	85 1
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	0 0 Yes Yes	Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	85 1 5
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	O O Yes Yes Water misuse will be prevented and revenue will be	Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%)	85 1 5 50
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	O O Yes Yes Water misuse will be prevented and revenue will be	Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	85 1 5 50
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	O O Yes Yes Water misuse will be prevented and revenue will be	Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	85 1 5 50
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	O O Yes Yes Water misuse will be prevented and revenue will be	Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	85 1 5 50
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons	Yes Yes Water misuse will be prevented and revenue will be increased	Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area	85 1 5 50 Arsenic, iron ,
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff)	Yes Yes Water misuse will be prevented and revenue will be increased	Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe	85 1 5 50 Arsenic, iron ,
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk)	Yes Yes Water misuse will be prevented and revenue will be increased 0 20,000	Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources	85 1 5 50 Arsenic, iron , d Water Supply System Evaluation WQ problems
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff)	Yes Yes Water misuse will be prevented and revenue will be increased 0 20,000	Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe	85 1 5 50 Arsenic, iron ,
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk)	Yes Yes Water misuse will be prevented and revenue will be increased 0 20,000 150	Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well	85 1 5 50 Arsenic, iron , d Water Supply System Evaluation WQ problems None Arsenic
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month Affordabile price in total household income (%)	Yes Yes Water misuse will be prevented and revenue will be increased 0 20,000 150 1	Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well	85 1 5 50 Arsenic, iron , d Water Supply System Evaluation WQ problems
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month)	Yes Yes Water misuse will be prevented and revenue will be increased 0 20,000 150 1 Nater Supply Area	Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources	85 1 5 50 Arsenic, iron , d Water Supply System Evaluation WQ problems None Arsenic Moderate No problem
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month Affordabile price in total household income (%)	Yes Yes Water misuse will be prevented and revenue will be increased 0 20,000 150 1	Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources	85 1 5 50 Arsenic, iron , d Water Supply System Evaluation
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped (Source)	Yes Yes Water misuse will be prevented and revenue will be increased 0 20,000 150 1 Nater Supply Area Nos. of source Drinking (%) Domestic (%)	Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources	85 1 5 50 Arsenic, iron , d Water Supply System Evaluation WQ problems None Arsenic Moderate No problem
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped (Source) River	Yes Yes Water misuse will be prevented and revenue will be increased 0 20,000 150 1 Nater Supply Area Nos. of source Drinking (%) Domestic (%) D 0 0	Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level	85 1 5 50 Arsenic, iron , d Water Supply System Evaluation WQ problems None Arsenic Moderate No problem No -
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped (Source)	0 0 Yes Yes Yes Water misuse will be prevented and revenue will be increased 0 20,000 150 1 Nater Supply Area Drinking (%) Domestic (%) 0 0 0 150 2 50	Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year)	85 1 5 50 Arsenic, iron , d Water Supply System Evaluation WQ problems None Arsenic Moderate No problem No -
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped (Source) River	Yes Yes Water misuse will be prevented and revenue will be increased 0 20,000 150 1 Nater Supply Area Nos. of source Drinking (%) Domestic (%) D 0 0	Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year)	85 1 5 50 Arsenic, iron , d Water Supply System Evaluation WQ problems None Arsenic Moderate No problem No -
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped (Source) River Shallow well	0 0 Yes Yes Yes Water misuse will be prevented and revenue will be increased 0 20,000 150 1 Nater Supply Area Drinking (%) Domestic (%) 0 0 0 150 2 50	Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year) Deep well (m/year)	85 1 5 50 Arsenic, iron , d Water Supply System Evaluation WQ problems None Arsenic Moderate No problem No -
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped (Source) River Shallow well Deep well	Ves Yes Water misuse will be prevented and revenue will be increased 0 20,000 150 1 Nater Supply Area Nos. of source Drinking (%) Domestic (%) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year) Deep well (m/year)	85 1 5 50 Arsenic, iron , d Water Supply System Evaluation WQ problems None Arsenic Moderate No problem No -

Narshingdi With Piped Water Supply System

A. Pourashava Profile Sanitation coverage Division Dhaka Latrine with septic tank (%) 70 Narshingdi Water sealed slab latrine (%) District 10 Year established 1985 Water-related diseases , Diarrhea, , , Dysentery, +880-62862178 Contact Tel/Fax Technical staff (Nos.) E-mail 40 Population (FY2010/2011) 176,800 Financial statements (2010/2011) Nos. of households (FY2010/2011) 27,630 Annual budget (Tk) 249,936,380 Literacy (%) 45 Revenue (Tk) 203,318,842 171,043,918 10 Expenditure (Tk) Land area (km2) Holding tax management, Accounting, Trade Residential area (km²) 4 Computerization license, Salary payment, Rate schedule and Residential area pop. density (persons/ha) 428 estimate preparation, Engineering, Yearly logical budget preparation, Procurement, Electricity coverage (%) 98 Electricity availability (hrs) Committee formed Summer 18 TLCC /Frequency of meeting Yes, 4 months Winter 20 WATSAN/Frequency of meeting Yes, 4 months B. Key Performance Indicators (Efficiency Indicators) Water supply coverage (%) 37 Metering ratio (%) 88 Per capita produced water (L/d/ca) 14 Operating ratio (%) 73 Supply Hour (Hrs) Collection ratio in amount (%) 34 Non-revenue water (NRW) (%) 30 Collection period (days) 443 Pipe leakage ratio (point/km) 11.4 Staffs/ 1.000 connections (ratio) Average revenue (Tk/m3 produced) Electricity arrear to annual revenue (%) 21.8 Average O&M cost (Tk/m3 produced) 16 Water supply Pipe leakage ratio (point/km) coverage (%) 10 Per capita Electricity arrear Average O&M Collection ratio in 6 produced water to annual revenue cost (Tk/m3 amount (%) 4 (L/d/ca) (%) produced) 0 Staffs/ 1,000 Operating ratio Metering ratio (%) Supply hours (hrs) connections (%) (ratio) Average revenue Collection period (Tk/m3 produced) (days) **Overall performance of Positive PIs Overall performance of Negative Pls** C. Water Supply Profile Chlorination points (Nos.) 1. General Information of Water Supply Section Water section established (year) 0 PTW Piped system introduced (year) 1985 IRP/AIRP 0 O&M, Construction of water supply Pourashava responsibility Surface WTP 0 facilities, Part of construction Bulk flow meters (Nos.) 7 Computerization/Automation , Billing, , , , , Bulk flow meter readings (Nos.) 7 Total production, Summer (m³/day) 903 Staff in water section (Nos.) 19 (2) Distribution In which, staff with diploma or higher 2 Overhead tank 0 qualification (Nos.) 2. Water Supply System Overhead tanks (Nos.) 2 Operation of water supply facilities 1.000 In operation Total capacity (m³) (1) Production Distribution network (km): 5.872 Water sources for piped system Groundwater, Leakages in distribution (Nos.) 67 (3) O&M Problems Production tube well strainer problem PTW (Nos.) Production wells PTW not in operation (Nos.) 0 old Ave. depth (m) 140 Pump Capacity at commission (m³/hrs) 76 Ave. current capacity per unit (m³/hrs) Treatment plant 11 Ave. production hours, Summer (hrs/day) iron blockage 903 **Pipeline** Total production, Summer (m³/day) Teatment plants (Nos.) AIRP 0 Customer water meter IRP O Surface water treatment plants 0 House connection Plants not in operation n Production of plant 0 O&M manuals (Nos.) 0 Total capacity (m³/hrs) O&M assistance form DPHE 0 No Production hours, Summer (hrs/day) 0 67 Annual leakages (Nos.) Total production (m³/day) Leakage detection activity Yes

2. Needs of Debabilitation and Funancia		House connection for (4/2") (Th)	1 200
3. Needs of Rehabilitation and Expansio	n	House connection fee (1/2") (Tk)	1,200
Rehabilitation		Tariff adopted year	Oct, 2011
Production tube well	Yes	Tariff setting policy	Full cost recovery, Operation cost recovery (O&M costs), Demand management, People's
Treatment plant	No		affordability to pay, ,
Distribution network	No	7. Water Quality Monitoring	
Expansion		Water quality monitoring plan	No
· ·	V		140
Production tube well	Yes	Parameters checked	-
Treatment plant	Yes	Frequency of quality test	-
Distribution network	Yes	Nos. of sampling location /year	-
4. Customer Service (Service indicators)		Water quality problems	Contamination of Fe
,	7	water quality problems	
Coverage area (km²)	7		
Population served (people)	65,416		
Service connections (Nos.)	2,484	8. Problems and Priority Needs	
Domestic	2,462	Major 3 problems	
Public tap/ stand pipe	4		Low coverage
		(1)	Low coverage
Public institutions	0		
Commercial & industrial	22	(2)	Water quality problem
Others	0		
Total	2,488	(3)	Less financial resources
		(3)	Less maneiar resources
Metered connections (Nos.)	2,190		
Applications outstanding (Nos.)	0	Major 3 priority needs	
New connections in 2010/2011 (Nos.)	0	(1)	24-hour supply
Average waiting time (days)	0	(-/	
		(2)	Production well and sums
Water pressure at the end of network	, , Low,	(2)	Production well and pump
Continuity of service (hrs/day)	7		
Customer with 24 hrs supply (%)	0	(3)	House connection and water
Annual complaints (Nos.)	67	(-,	meter
	··	Q. Doct and On gains Dualecte and Turks	
Major complaints		9. Past and On-going Projects and Traini	ig
(1)	Low pressure	(1) Past 10 years projects	
		Name	-
(2)	Contamination of Fe		_
\		Daviad	
		Period	-
(3)	Leakage	Funding agency	-
		Executing agency	-
5. Financial Information (FY2010/11)		(2) Past 10 years projects	_
Annual budget (Tk)	249,936,380	Name	
• • •		Name	-
Annual revenue (Tk)	7,187,500		-
Annual expenditure (Tk)	5,723,000	Period	-
Annual O&M Costs (Tk)	5,273,000	Funding agency	-
Annual billings (Tk)	12,373,640	Executing agency	-
Annual collections (Tk)	4,241,400	On-going projects	-
Water arrears (Tk)	8,721,220	Name	-
Electricity arrears (Tk)	4,500,000		Secondary Town Water Supply & Sanitation Sector (GOB-ADB) Project
Payment methods	, Bank	Period	2007 - 2013
· '			
Self-billing	No	Funding agency	GOB - ADB
Billing frequency	Monthly	Executing agency	DPHE & Pourashava
6. Water Tariff and Metering (See Tariff	Database)	Training	-
Tariff Structure	Metered rate	Nos. of training	3
Tariii Sa acture		1403. Of Gallining	T
		Noc of Stoff	12
		Nos. of Staff	12
Domestic 13 mm (1/2") (Tk/month)	150	Nos. of Staff Name of training (1)	12 O&M Pipeline network
Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month)	150 500		
Non-domestic lowest (Tk/month)		Name of training (1) Name of training (2)	O&M Pipeline network
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³)	500	Name of training (1)	O&M Pipeline network Basic training of Pump O&M
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area	500	Name of training (1) Name of training (2) Name of training (3)	O&M Pipeline network Basic training of Pump O&M Double Entry accounting system
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³)	500	Name of training (1) Name of training (2)	O&M Pipeline network Basic training of Pump O&M
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area	500	Name of training (1) Name of training (2) Name of training (3)	O&M Pipeline network Basic training of Pump O&M Double Entry accounting system
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of	500	Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.)	O&M Pipeline network Basic training of Pump O&M Double Entry accounting system , Boiling, , Filtration
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water	500 0 Yes	Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%)	O&M Pipeline network Basic training of Pump O&M Double Entry accounting system , Boiling, , Filtration 0 0
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	500 0 Yes Yes	Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%)	O&M Pipeline network Basic training of Pump O&M Double Entry accounting system , Boiling, , Filtration 0 0
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water	500 0 Yes	Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%)	O&M Pipeline network Basic training of Pump O&M Double Entry accounting system , Boiling, , Filtration 0 0 0 0
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	500 0 Yes Yes	Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%)	O&M Pipeline network Basic training of Pump O&M Double Entry accounting system , Boiling, , Filtration 0 0
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	500 0 Yes Yes	Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	O&M Pipeline network Basic training of Pump O&M Double Entry accounting system , Boiling, , Filtration 0 0 0 0
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	500 0 Yes Yes	Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	O&M Pipeline network Basic training of Pump O&M Double Entry accounting system , Boiling, , Filtration 0 0 0 0
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	500 0 Yes Yes	Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	O&M Pipeline network Basic training of Pump O&M Double Entry accounting system , Boiling, , Filtration 0 0 0 0
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	500 0 Yes Yes	Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	O&M Pipeline network Basic training of Pump O&M Double Entry accounting system , Boiling, , Filtration 0 0 0 0
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	500 0 Yes Yes	Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	O&M Pipeline network Basic training of Pump O&M Double Entry accounting system , Boiling, , Filtration 0 0 0 water quality,
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff)	Yes Yes People have the ability to pay the water bill	Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe	O&M Pipeline network Basic training of Pump O&M Double Entry accounting system , Boiling, , Filtration 0 0 0 water quality,
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk)	Yes Yes People have the ability to pay the water bill 0 5,417-6,250	Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources	O&M Pipeline network Basic training of Pump O&M Double Entry accounting system , Boiling, , Filtration 0 0 0 water quality, d Water Supply System Evaluation WQ problems
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month)	Yes Yes People have the ability to pay the water bill 0 5,417-6,250 200	Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well	O&M Pipeline network Basic training of Pump O&M Double Entry accounting system , Boiling, , Filtration 0 0 0 water quality, d Water Supply System Evaluation WQ problems Moderate N/A
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk)	Yes Yes People have the ability to pay the water bill 0 5,417-6,250	Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources	O&M Pipeline network Basic training of Pump O&M Double Entry accounting system , Boiling, , Filtration 0 0 0 water quality, d Water Supply System Evaluation WQ problems
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month)	Yes Yes People have the ability to pay the water bill 0 5,417-6,250 200 60	Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well	O&M Pipeline network Basic training of Pump O&M Double Entry accounting system , Boiling, , Filtration 0 0 0 water quality, d Water Supply System Evaluation WQ problems Moderate N/A
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped V	Yes Yes People have the ability to pay the water bill 0 5,417-6,250 200 60 Vater Supply Area	Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources	O&M Pipeline network Basic training of Pump O&M Double Entry accounting system , Boiling, , Filtration 0 0 0 water quality, d Water Supply System Evaluation WQ problems Moderate N/A High - Moderate No problem
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped V Source	Yes Yes People have the ability to pay the water bill 0 5,417-6,250 200 60 /ater Supply Area Nos. of source Drinking (%) Domestic (%)	Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources	O&M Pipeline network Basic training of Pump O&M Double Entry accounting system , Boiling, , Filtration 0 0 0 water quality, d Water Supply System Evaluation WQ problems Moderate N/A High -
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped V Source River	Yes Yes Yes People have the ability to pay the water bill 0 5,417-6,250 200 60 ater Supply Area Nos. of source Drinking (%) Domestic (%) 2	Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level	O&M Pipeline network Basic training of Pump O&M Double Entry accounting system , Boiling, , Filtration 0 0 0 water quality, d Water Supply System Evaluation WQ problems Moderate N/A High - Moderate No problem
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped V Source	Yes Yes People have the ability to pay the water bill 0 5,417-6,250 200 60 /ater Supply Area Nos. of source Drinking (%) Domestic (%)	Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level	O&M Pipeline network Basic training of Pump O&M Double Entry accounting system , Boiling, , Filtration 0 0 0 water quality, d Water Supply System Evaluation WQ problems Moderate N/A High - Moderate No problem
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Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped V Source River Shallow well	900 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year) Deep well (m/year)	O&M Pipeline network Basic training of Pump O&M Double Entry accounting system , Boiling, , Filtration 0 0 0 water quality, d Water Supply System Evaluation WQ problems Moderate N/A High - Moderate No problem
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped V Source River Shallow well Deep well	900 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year) Deep well (m/year)	O&M Pipeline network Basic training of Pump O&M Double Entry accounting system , Boiling, , Filtration 0 0 0 water quality, d Water Supply System Evaluation WQ problems Moderate N/A High - Moderate No problem

Pourashava Profile			
Class	A	Sanitation coverage	
Division	Rajshahi	Latrine with septic tank (%)	60
District	Natore	Water sealed slab latrine (%)	0
Year established	1869	Water-related diseases	,,,,,
Contact Tel/Fax	0771-66920		
E-mail		Technical staff (Nos.)	15
Population (FY2010/2011)	85,001	Financial statements (2010/2011)	
Nos. of households (FY2010/2011)	10,377	Annual budget (Tk)	1,185,442,014
Literacy (%)	68	Revenue (Tk)	43,920,069
Land area (km²)	15	Expenditure (Tk)	42,573,256
Residential area (km²)	7	Computerization	, Accounting, Trade license, Salary payme
Residential area pop. density (persons/ha)	128	Compatenzation	Rate schedule and estimate preparation,
Electricity coverage (%)	90		Engineering, Yearly logical budget preparation, Procurement,
Electricity coverage (%) Electricity availability (hrs)	90	Committee formed	, , , , , , , , , , , , , , , , , , , ,
Summer	20	TLCC /Frequency of meeting	Yes, 4 months
Winter	24	WATSAN/Frequency of meeting	Yes, 1 month
Key Performance Indicators (Ef		www.inj.requency or meeting	res, i monen
Water supply coverage (%)	40	Metering ratio (%)	0
Per capita produced water (L/d/ca)	140	Operating ratio (%)	62
Supply Hour (Hrs)	8.5	Collection ratio in amount (%)	65
Non-revenue water (NRW) (%)	-	Collection period (days)	136
Pipe leakage ratio (point/km)	3.2	Staffs/ 1,000 connections (ratio)	5
Average revenue (Tk/m3 produced)	3.5	Electricity arrear to annual revenue (%)	
Average O&M cost (Tk/m3 produced)	2.1	Electricity arrear to annual revenue (%)	
Water su	upply	Pipe leakage rai	tio
coverage	e (%)	(point/km)	
10 8		10	
Collection ratio in amount (%)	Per capita produced water (L/d/ca)	Electricity arrear to annual revenue (%)	Average O&M cost (Tk/m3 produced)
Metering ratio (%)	Supply hours (hrs)	Staffs/ 1,000 connections (ratio)	Operating ratio (%)
Average re (Tk/m3 pro		Collection perio (days)	bd
Quarall performs	ance of Positive PIs	Overall performance	o of Negative Dis

C. Water Supply Profile			
1. General Information of Water Supply	Section	Chlorination points (Nos.)	
Water section established (year)	1992	PTW	0
Piped system introduced (year)	1979	IRP/AIRP	0
Pourashava responsibility	O&M, , Part of construction	Surface WTP	-
		Bulk flow meters (Nos.)	0
Computerization/Automation	None, , , , , ,	Bulk flow meter readings (Nos.)	0
		Total production, Summer (m ³ /day)	4,759
Staff in water section (Nos.)	18	(2) Distribution	
In which, staff with diploma or higher qualification (Nos.)	5	Overhead tank	0
2. Water Supply System		Overhead tanks (Nos.)	2
Operation of water supply facilities	In operation	Total capacity (m ³)	1,130
(1) Production		Distribution network (km):	47,000
Water sources for piped system	Groundwater,	Leakages in distribution (Nos.)	150
Production tube well		(3) O&M Problems	
PTW (Nos.)	8	Production wells	Fe problem, strainer blocked, old PTW
PTW not in operation (Nos.)	0		
Ave. depth (m)	69	Pump	Old
Capacity at commission (m ³ /hrs)	110		
Ave. current capacity per unit (m ³ /hrs)	85	Treatment plant	
Ave. production hours, Summer (hrs/day)	7		
Total production, Summer (m ³ /day)	4,759	Pipeline	Ruster, leakage, old
Teatment plants (Nos.)			
AIRP	0	Customer water meter	propeller block as Fe
IRP	1		
Surface water treatment plants	0	House connection	
Plants not in operation	1		
Production of plant	0	O&M manuals (Nos.)	0
Total capacity (m ³ /hrs)	380	O&M assistance form DPHE	Yes
Production hours, Summer (hrs/day)	0	Annual leakages (Nos.)	150
Total production (m ³ /day)	0	Leakage detection activity	Yes

3. Needs of Rehabilitation and Expansion	in	House connection fee (1/2") (Tk)	1,500
Rehabilitation		Tariff adopted year	2011
Production tube well	Yes	Tariff setting policy	, Operation cost recovery (O&M costs),
Treatment plant	Yes		,,,
Distribution network	Yes	7. Water Quality Monitoring	
	163		No
Expansion	L.	Water quality monitoring plan	NO
Production tube well	Yes	Parameters checked	-
Treatment plant	No	Frequency of quality test	-
Distribution network	Yes	Nos. of sampling location /year	-
4. Customer Service (Service indicators		Water quality problems	
	6	rrater quanty problems	
Coverage area (km²)			
Population served (people)	34,000		
Service connections (Nos.)	3,514	8. Problems and Priority Needs	
Domestic	3,141	Major 3 problems	
Public tap/ stand pipe	280	(1)	Low coverage and leakage
Public institutions	38	` '	
		(3)	land official to the charles I and
Commercial & industrial	55	(2)	Insufficient technical and
Others	0		management capacity
Total	3,514	(3)	Less financial resources
Metered connections (Nos.)	0		
Applications outstanding (Nos.)	100	Major 3 priority needs	
			Increase of production canacity
New connections in 2010/2011 (Nos.)	150	(1)	Increase of production capacity
Average waiting time (days)	3		
Water pressure at the end of network	, , Low,	(2)	Expansion and replacement of
Continuity of service (hrs/day)	9		network
Customer with 24 hrs supply (%)	0	(3)	Distribution network
		(3)	
Annual complaints (Nos.)	675		
Major complaints		9. Past and On-going Projects and Training	ıg
(1) No water supply	(1) Past 10 years projects	
		Name	-
1	2) Low water pressure		_
\	2) 2011 Water pressure	Daviad	
		Period	-
	3) water leakage	Funding agency	-
		Executing agency	-
5. Financial Information (FY2010/11)		(2) Past 10 years projects	-
Annual budget (Tk)	7,452,009	Name	_
Annual revenue (Tk)	5,993,223		
, ,		0.1	
Annual expenditure (Tk)	3,723,188	Period	-
Annual O&M Costs (Tk)	3,723,188	Funding agency	-
Annual billings (Tk)	6,346,844	Executing agency	-
Annual collections (Tk)	4,109,940	On-going projects	-
Water arrears (Tk)	2,236,904	Name	_
` '		Hame	STWSSP
Electricity arrears (Tk)	0		
Payment methods	, Bank	Period	2009-2013
Self-billing	No	Funding agency	ADB, GOB
Billing frequency	Quarterly	Executing agency	Pouroshava, DPHE
6. Water Tariff and Metering (See Tari	-		
Lace Idil	t Database)	Training	0
Tariff Structure		Training Nos. of training	0
Tariff Structure	Based on pipe size	Nos. of training	0 5
	Based on pipe size	Nos. of training Nos. of Staff	0 5 17
Tariff Structure Domestic 13 mm (1/2") (Tk/month)		Nos. of training	0 5 17
	Based on pipe size	Nos. of training Nos. of Staff	0 5 17
Domestic 13 mm (1/2") (Tk/month)	Based on pipe size	Nos. of training Nos. of Staff Name of training (1)	0 5 17 Water Meter installation and O&M
Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³)	Based on pipe size 100 150	Nos. of training Nos. of Staff Name of training (1) Name of training (2)	0 5 17 Water Meter installation and O&M Double entry Accounting
Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area	Based on pipe size 100 150	Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3)	0 5 17 Water Meter installation and O&M Double entry Accounting Gender Training
Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply	Based on pipe size 100 150	Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic	0 5 17 Water Meter installation and O&M Double entry Accounting Gender Training None, , ,
Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area	Based on pipe size 100 150	Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3)	0 5 17 Water Meter installation and O&M Double entry Accounting Gender Training
Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply	Based on pipe size 100 150	Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic	0 5 17 Water Meter installation and O&M Double entry Accounting Gender Training None, , ,
Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of	Based on pipe size 100 150 7	Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%)	0 5 17 Water Meter installation and O&M Double entry Accounting Gender Training None,,, 0
Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	Based on pipe size 100 150 7	Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%)	0 5 17 Water Meter installation and O&M Double entry Accounting Gender Training None, , , 0 0 0
Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water	Based on pipe size 100 150 7 Yes Yes	Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	0 5 17 Water Meter installation and O&M Double entry Accounting Gender Training None, , , 0 0 0 30
Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	Based on pipe size 100 150 7 Yes Yes	Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%)	0 5 17 Water Meter installation and O&M Double entry Accounting Gender Training None, , , 0 0 0
Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	Based on pipe size 100 150 7 Yes Yes	Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	0 5 17 Water Meter installation and O&M Double entry Accounting Gender Training None, , , 0 0 0 30
Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	Based on pipe size 100 150 7 Yes Yes	Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	0 5 17 Water Meter installation and O&M Double entry Accounting Gender Training None, , , 0 0 0 30
Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	Based on pipe size 100 150 7 Yes Yes	Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	0 5 17 Water Meter installation and O&M Double entry Accounting Gender Training None, , , 0 0 0 30
Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons	Based on pipe size 100 150 7 Yes Yes All people are willing to pay	Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area	0 5 17 Water Meter installation and O&M Double entry Accounting Gender Training None, , , 0 0 0 1 30 Iron, Water table down at summer season
Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff)	Based on pipe size 100 150 7 Yes Yes All people are willing to pay	Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area	0 5 17 Water Meter installation and O&M Double entry Accounting Gender Training None, , , 0 0 0 1 30 Iron, Water table down at summer season
Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk)	Based on pipe size 100 150 7 Yes Yes All people are willing to pay 0 5,000	Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piped Potential water sources	0 5 17 Water Meter installation and O&M Double entry Accounting Gender Training None, , , 0 0 0 1 30 Iron, Water table down at summer season Water Supply System Evaluation WQ problems
Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month)	Based on pipe size 100 150 7 Yes Yes All people are willing to pay 0 5,000 150	Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area	0 5 17 Water Meter installation and O&M Double entry Accounting Gender Training None, , , 0 0 0 1 30 Iron, Water table down at summer season Water Supply System Evaluation WQ problems None Iron problem
Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk)	Based on pipe size 100 150 7 Yes Yes All people are willing to pay 0 5,000	Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piped Potential water sources	0 5 17 Water Meter installation and O&M Double entry Accounting Gender Training None, , , 0 0 0 1 30 Iron, Water table down at summer season Water Supply System Evaluation WQ problems
Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%)	Pased on pipe size 100 150 7 Yes Yes All people are willing to pay 0 5,000 150 3	Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piped Potential water sources Shallow well	0 5 17 Water Meter installation and O&M Double entry Accounting Gender Training None, , , 0 0 0 1 30 Iron, Water table down at summer season Water Supply System Evaluation WQ problems None Iron problem
Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped	Pased on pipe size 100 150 7 Yes Yes Yes All people are willing to pay 0 5,000 150 3 Water Supply Area	Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piper Potential water sources Shallow well Deep well Surface water sources	0 5 17 Water Meter installation and O&M Double entry Accounting Gender Training None, , , 0 0 0 1 30 Iron, Water table down at summer season Water Supply System Evaluation WQ problems None Iron problem High Fe
Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped (Source)	Passed on pipe size 100 150 7 Yes Yes Yes All people are willing to pay 0 5,000 150 3 Water Supply Area Nos. of source Drinking (%) Domestic (%)	Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piper Potential water sources Shallow well Deep well Surface water sources Other sources	0 5 17 Water Meter installation and O&M Double entry Accounting Gender Training None, , , 0 0 0 1 30 Iron, Water table down at summer season Water Supply System Evaluation WQ problems None Iron problem
Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped (Source) River	Passed on pipe size 100 150 7 Yes Yes Yes All people are willing to pay 0 5,000 150 3 Water Supply Area Nos. of source Drinking (%) Domestic (%) 0 0 0	Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piper Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level	0 5 17 Water Meter installation and O&M Double entry Accounting Gender Training None, , , 0 0 0 1 30 Iron, Water table down at summer season Water Supply System Evaluation WQ problems None Iron problem High Fe
Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped (Source)	Based on pipe size	Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piper Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year)	0 5 17 Water Meter installation and O&M Double entry Accounting Gender Training None, , , 0 0 0 1 30 Iron, Water table down at summer season Water Supply System Evaluation WQ problems None Iron problem High Fe
Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped (Source) River	Based on pipe size	Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piper Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level	0 5 17 Water Meter installation and O&M Double entry Accounting Gender Training None, , , 0 0 0 1 30 Iron, Water table down at summer season Water Supply System Evaluation WQ problems None Iron problem High Fe
Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped (%) Source River Shallow well	Based on pipe size	Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piper Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year) Deep well (m/year)	0 5 17 Water Meter installation and O&M Double entry Accounting Gender Training None, , , 0 0 0 30 Iron, Water table down at summer season Water Supply System Evaluation WQ problems None Iron problem High Fe No 0
Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped (Source) River Shallow well Deep well	Based on pipe size	Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piper Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year) Deep well (m/year)	0 5 17 Water Meter installation and O&M Double entry Accounting Gender Training None, , , 0 0 0 30 Iron, Water table down at summer season Water Supply System Evaluation WQ problems None Iron problem High Fe No 0

Netrokona With Piped Water Supply System

A. Pourashava Profile Sanitation coverage Division Dhaka Latrine with septic tank (%) 15 Netrokona Water sealed slab latrine (%) District 45 Water-related diseases Year established 1887 , , , Typhoid, Dysentery, 0951-62527/ 0951-51071 Contact Tel/Fax Technical staff (Nos.) E-mail netpou@gmail.com 10 Population (FY2010/2011) 102,000 Financial statements (2010/2011) Nos. of households (FY2010/2011) 11,400 Annual budget (Tk) 89,959,575 Literacy (%) 79 Revenue (Tk) 49,100,433 43,203,791 21 Expenditure (Tk) Land area (km2) Holding tax management, Accounting, Trade Residential area (km²) Computerization license, Salary payment, Rate schedule and Residential area pop. density (persons/ha) 116 estimate preparation, Engineering, Yearly logical budget preparation, Procurement, Electricity coverage (%) 48 Electricity availability (hrs) Committee formed Summer 16 TLCC /Frequency of meeting Yes, 1 month Winter 20 WATSAN/Frequency of meeting Yes, 4 months B. Key Performance Indicators (Efficiency Indicators) Water supply coverage (%) 12 Metering ratio (%) 69 Per capita produced water (L/d/ca) 139 Operating ratio (%) 57 Supply Hour (Hrs) 5 Collection ratio in amount (%) 34 Non-revenue water (NRW) (%) 15 Collection period (days) 250 4.3 Staffs/ 1,000 connections (ratio) Pipe leakage ratio (point/km) 10 Average revenue (Tk/m3 produced) Electricity arrear to annual revenue (%) 11.3 Average O&M cost (Tk/m3 produced) Pipe leakage ratio Water supply (point/km) coverage (%) 10 'n 'n Per capita Electricity arrear Average O&M Collection ratio in 6 produced water to annual revenue cost (Tk/m3 amount (%) (L/d/ca) (%) produced) 0 Staffs/ 1,000 Operating ratio Metering ratio (%) Supply hours (hrs) connections (%) (ratio) Average revenue Collection period (Tk/m3 produced) (days) **Overall performance of Positive PIs Overall performance of Negative Pls** C. Water Supply Profile Chlorination points (Nos.) 1. General Information of Water Supply Section Water section established (year) 0 PTW Piped system introduced (year) 1982 IRP/AIRP 0 O&M,, Part of construction Pourashava responsibility Surface WTP 0 Bulk flow meters (Nos.) 1 Computerization/Automation , Billing, Accounting, , , , Bulk flow meter readings (Nos.) 1 Total production, Summer (m³/day) 1,750 Staff in water section (Nos.) (2) Distribution 14 In which, staff with diploma or higher 2 Overhead tank 0 qualification (Nos.) 2. Water Supply System Overhead tanks (Nos.) O Operation of water supply facilities 0 In operation Total capacity (m³) (1) Production Distribution network (km): 30.044 Water sources for piped system Groundwater, Leakages in distribution (Nos.) 128 (3) O&M Problems Production tube well Colum Pipe PTW (Nos.) Production wells PTW not in operation (Nos.) 0 Impeller trouble Ave. depth (m) 101 Pump Capacity at commission (m³/hrs) 93 Ave. current capacity per unit (m³/hrs) 88 Treatment plant Ave. production hours, Summer (hrs/day) Less diameter Pipe line under the roads 1.750 **Pipeline** Total production, Summer (m³/day) Teatment plants (Nos.) AIRP 0 Customer water meter Iron IRP O Surface water treatment plants 0 House connection Plants not in operation n Production of plant 0 O&M manuals (Nos.) 0 Total capacity (m³/hrs) O&M assistance form DPHE 0 Yes Production hours, Summer (hrs/day) 0 Annual leakages (Nos.) 128 Total production (m³/day) 0 Leakage detection activity Yes

3. Needs of Rehabilitation and Expansion	<u> </u>	House connection fee (1/2") (Tk)	750
_	•	* * * * * * * * * * * * * * * * * * * *	
Rehabilitation		Tariff adopted year	2012
Production tube well	Yes	Tariff setting policy	, Operation cost recovery (O&M costs), , People's affordability to pay, Ensuring water supply for
Treatment plant	No		socially vulnerable people,
Distribution network	Yes	7. Water Quality Monitoring	
Expansion		Water quality monitoring plan	No
Production tube well	Voc	Parameters checked	1
	Yes		-
Treatment plant	No	Frequency of quality test	-
Distribution network	Yes	Nos. of sampling location /year	-
4. Customer Service (Service indicators)		Water quality problems	Iron contamination, but minor
Coverage area (km²)	6		problem.
Population served (people)	12,565		
Service connections (Nos.)	1,348	8. Problems and Priority Needs	
Domestic	1,244	Major 3 problems	
Public tap/ stand pipe	49	(1)	Low coverage
Public institutions	28	(-/	
		(2)	
Commercial & industrial	27	(2)	Less financial resources
Others	0		
Total	1,348	(3)	Insufficient technical &
Metered connections (Nos.)	930		managerial capacity
1 '		Mailing 2 mailing the control	
Applications outstanding (Nos.)	0	Major 3 priority needs	
New connections in 2010/2011 (Nos.)	0	(1)	Increase of production capacity
Average waiting time (days)	0		
Water pressure at the end of network	, , Low,	(2)	Production well and pump
		(2)	
Continuity of service (hrs/day)	5		
Customer with 24 hrs supply (%)	0	(3)	24-hour supply
Annual complaints (Nos.)	260		
Major complaints		9. Past and On-going Projects and Traini	ng
	Low pressure		ŭ
(1)	Low pressure	(1) Past 10 years projects	
		Name	-
(2)	Short supply hours		-
		Period	_
(3)			
(3)	-	Funding agency	-
		Executing agency	-
5. Financial Information (FY2010/11)		(2) Past 10 years projects	-
Annual budget (Tk)	89,959,575	Name	-
Annual revenue (Tk)	7,210,879		_
Annual expenditure (Tk)	4,217,251	Period	-
Annual O&M Costs (Tk)	4,084,251	Funding agency	-
Annual billings (Tk)	7,385,411	Executing agency	-
- · · · · · · · · · · · · · · · · · · ·			
Annual collections (Tk)	2,489,516	On-going projects	
Water arrears (Tk)	4,935,895	Name	-
Electricity arrears (Tk)	455,000		STWSSP
Payment methods	, Bank	Period	2010-2013
Self-billing	No	Funding agency	ADB
Billing frequency	Monthly	Executing agency	GOB
6. Water Tariff and Metering (See Tariff	Database)	Training	-
Tariff Structure	Metered rate	Nos. of training	3
		Nos. of Staff	7
Domostic 12 mm (1/2") (Tl./month)	120		water Meter installation, operation and maintenance
Domestic 13 mm (1/2") (Tk/month)	130	Name of training (1)	
Non-domestic lowest (Tk/month)	320	Name of training (2)	Meter Based Billing System
Lowest volumetric charge (Tk/m ³)	0	Name of training (3)	Double Entry accounting system
D. Non-Piped Water Supply Area			
		NA-to-horsely to the terminal	Delline.
1. Necessity of Piped Water Supply		Main treatment method in domestic	, Boiling, ,
Necessity of		As contaminated wells (Nos.)	0
Piped water	Yes	Arsenic contaminated water supply (%)	0
Water meter	Yes	Unhygienic drinking water (%)	10
	About 90% of people is willing to pay according to		
Reasons	consumption.	% of people using neighbor's well for drinking	30
	·	Problems in non-piped water supply area	Distance to water sources is far.,
Affordability (answered by pourashava staff)	0	3. Potential Water Sources for Non-Pipe	d Water Supply System
Average household income/month (Tk)	2,000	Potential water sources	Evaluation WQ problems
Affordability for piped water (Tk/month)		Shallow well	- Contamination of Iron
Affordability for piped water (18/1101th) Affordable price in total household income (%)			
	10	Deep well	Moderate No problem
2. Exiting Water Sources in Non-Piped W	ater Supply Area	Surface water sources	Moderate No problem, no industry
Source	Nos. of source Drinking (%) Domestic (%)	Other sources	No -
River	2 0 15	Decrease of ground water level	
		-	
Shallow well	3,541 60 35	1 1 1	-
Deep well	65 40 25	Deep well (m/year)	-
Ponds	15 0 25		
Other sources	0 0 0		
Other Sources			

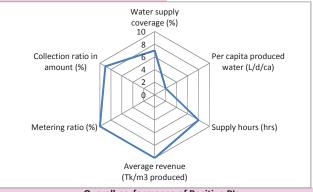
Nilphamari With Piped Water Supply System

			With Piped Water Supply System
A. Pourashava Profile			
Class	A	Sanitation coverage	
Division	Rangpur	Latrine with septic tank (%)	25
District	Nilphamari	Water sealed slab latrine (%)	35
Year established	1972	Water-related diseases	
		water-related diseases	,,,,,
Contact Tel/Fax	Tel: 0551-61601		
E-mail		Technical staff (Nos.)	8
Population (FY2010/2011)	152,000	Financial statements (2010/2011)	
Nos. of households (FY2010/2011)	8,350	Annual budget (Tk)	143,137,077
Literacy (%)	67	Revenue (Tk)	35,977,077
Land area (km²)	28	Expenditure (Tk)	33,243,000
Residential area (km²)	12	Computerization	Holding tax management, , Trade license, ,
Residential area pop. density (persons/ha)	123		Rate schedule and estimate preparation, Engineering, Yearly logical budget
Electricity coverage (%)	80		preparation, ,
Electricity availability (hrs)		Committee formed	
Summer	12	TLCC /Frequency of meeting	Yes, 3 months
Winter	22	WATSAN/Frequency of meeting	Yes, 4 months
B. Key Performance Indicators (Eff		www.samprequency or meeting	resy i moneno
Water supply coverage (%)	26	Metering ratio (%)	0
		Metering ratio (%)	
Per capita produced water (L/d/ca)	75	Operating ratio (%)	98
Supply Hour (Hrs)	7	Collection ratio in amount (%)	78
Non-revenue water (NRW) (%)	17.64	Collection period (days)	890
Pipe leakage ratio (point/km)	1.1	Staffs/ 1,000 connections (ratio)	5
Average revenue (Tk/m3 produced)	0.8	Electricity arrear to annual revenue (%)	953
Average O&M cost (Tk/m3 produced)	0.8		
Water su	pply	Pipe leakage ratio	
coverage		(point/km)	
10		10	
Collection ratio in 6	Per capita	Electricity arrear	Average O&M
amount (%)	produced water	to annual revenue	cost (Tk/m3
2	(L/d/ca)	(%)	produced)
		Staffs/ 1,000	
Metering ratio (%)	Supply hours (hrs)	connections	Operating ratio
		(ratio)	(%)
Average re	I	Collection period	
(Tk/m3 prod	duced)	(days)	
-	duced)	·	of Negative PIs
(Tk/m3 prod	duced)	(days)	of Negative PIs
(Tk/m3 prod Overall performar C. Water Supply Profile	duced) nce of Positive PIs	(days)	of Negative PIs
(Tk/m3 prod Overall performar C. Water Supply Profile	duced) nce of Positive PIs	(days) Overall performance	of Negative PIs
(Tk/m3 proi Overall performar C. Water Supply Profile 1. General Information of Water Supply	nce of Positive PIs Section	Overall performance Chlorination points (Nos.)	
Overall performar C. Water Supply Profile 1. General Information of Water Supply Water section established (year)	nce of Positive PIs Section 1996	Overall performance Chlorination points (Nos.) PTW	0
Overall performar C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year)	e Section 1996 1984	Chlorination points (Nos.) PTW IRP/AIRP	0 0
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility	Section 1996 1984 O&M, , Part of construction	Overall performance Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.)	0 0 0 0
Overall performar C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year)	e Section 1996 1984	Overall performance Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.)	0 0 0 0 0
Overall performar C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation	Section 1996 1984 O&M, , Part of construction , Billing, , , , ,	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day)	0 0 0 0
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.)	Section 1996 1984 O&M,, Part of construction , Billing,,,,,	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution	0 0 0 0 0 0 3,015
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher	Section 1996 1984 O&M, , Part of construction , Billing, , , , ,	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day)	0 0 0 0 0
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.)	Section 1996 1984 O&M,, Part of construction , Billing,,,,,	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution	0 0 0 0 0 0 3,015
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System	Section 1996 1984 O&M,, Part of construction , Billing,,,,,	Overall performance Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.)	0 0 0 0 0 3,015
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities	Section 1996 1984 O&M,, Part of construction , Billing,,,,,	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³)	0 0 0 0 0 0 3,015
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production	Dece of Positive PIs Section 1996 1984 O&M,, Part of construction , Billing,,,,, 7 2 In operation	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km):	0 0 0 0 0 3,015 0 1 450 32,500
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system	Section 1996 1984 O&M,, Part of construction , Billing,,,,,	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.)	0 0 0 0 0 0 3,015
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well	Dece of Positive PIs Section 1996 1984 O&M,, Part of construction , Billing,,,,, 7 2 In operation Groundwater,	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems	0 0 0 0 0 3,015 0 1 450 32,500 35
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.)	duced) nce of Positive PIs Section 1996 1984 O&M,, Part of construction , Billing,,,,, 7 2 In operation Groundwater, 7	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.)	0 0 0 0 0 3,015 0 1 450 32,500
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.)	duced) nce of Positive PIs Section 1996 1984 0&M,, Part of construction , Billing,,,,, 7 2 In operation Groundwater, 7 3	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells	0 0 0 0 0 3,015 0 1 450 32,500 35 PTW 1, 2 & 4 functioning
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m)	Ince of Positive PIs Section 1996 1984 O&M,, Part of construction , Billing,,,,, 7 2 In operation Groundwater, 7 3 118	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems	0 0 0 0 0 3,015 0 1 450 32,500 35
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs)	Ince of Positive PIs Section 1996 1984 O&M,, Part of construction , Billing,,,,, 7 2 In operation Groundwater, 7 3 118 120	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells	0 0 0 0 0 3,015 0 1 450 32,500 35 PTW 1, 2 & 4 functioning
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m)	Ince of Positive PIs Section 1996 1984 O&M,, Part of construction , Billing,,,,, 7 2 In operation Groundwater, 7 3 118	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells	0 0 0 0 0 3,015 0 1 450 32,500 35 PTW 1, 2 & 4 functioning
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C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs) Ave. current capacity per unit (m³/hrs)	Ince of Positive PIs Section 1996 1984 O&M,, Part of construction , Billing,,,,, 7 2 In operation Groundwater, 7 3 118 120 114	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells	0 0 0 0 0 3,015 0 1 450 32,500 35 PTW 1, 2 & 4 functioning Shaft broken & motor burning, etc.
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs) Ave. current capacity per unit (m³/hrs) Ave. production hours, Summer (hrs/day)	Ince of Positive PIs Section 1996 1984 0&M,, Part of construction , Billing,,,,, 7 2 In operation Groundwater, 7 3 118 120 114 7	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells Pump Treatment plant	0 0 0 0 0 3,015 0 1 450 32,500 35 PTW 1, 2 & 4 functioning
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C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs) Ave. current capacity per unit (m³/hrs) Ave. production hours, Summer (hrs/day) Total production, Summer (m³/day) Teatment plants (Nos.) AIRP IRP Surface water treatment plants	In operation Groundwater, 7 3 118 120 114 7 3,015	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells Pump Treatment plant Pipeline	0 0 0 0 3,015 0 1 450 32,500 35 PTW 1, 2 & 4 functioning Shaft broken & motor burning, etc Leakage, burst due to heavy vehicle running over pipelines.
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C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs) Ave. current capacity per unit (m³/hrs) Ave. production hours, Summer (hrs/day) Total production, Summer (m³/day) Teatment plants (Nos.) AIRP IRP Surface water treatment plants Plants not in operation Production of plant	Ince of Positive PIs Section 1996 1984 0&M,, Part of construction , Billing,,,,, 7 2 In operation Groundwater, 7 3 118 120 114 7 3,015 0 0 0 0 0	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells Pump Treatment plant Pipeline Customer water meter House connection O&M manuals (Nos.)	0 0 0 0 3,015 0 1 450 32,500 35 PTW 1, 2 & 4 functioning Shaft broken & motor burning, etc Leakage, burst due to heavy vehicle running over pipelines Leakage from fittings - Unintentional damage 0
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs) Ave. current capacity per unit (m³/hrs) Ave. production hours, Summer (hrs/day) Total production, Summer (m³/day) Teatment plants (Nos.) AIRP IRP Surface water treatment plants Plants not in operation Production of plant Total capacity (m³/hrs)	Ince of Positive PIs Section 1996 1984 0&M,, Part of construction , Billing,,,,, 7 2 In operation Groundwater, 7 3 118 120 114 7 3,015 0 0 0 0 0 0 0 0	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells Pump Treatment plant Pipeline Customer water meter House connection O&M manuals (Nos.) O&M assistance form DPHE	0 0 0 0 3,015 0 1 450 32,500 35 PTW 1, 2 & 4 functioning Shaft broken & motor burning, etc Leakage, burst due to heavy vehicle running over pipelines Leakage from fittings - Unintentional damage 0 No
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs) Ave. current capacity per unit (m³/hrs) Ave. production hours, Summer (hrs/day) Total production, Summer (m³/day) Teatment plants (Nos.) AIRP IRP Surface water treatment plants Plants not in operation Production of plant	Ince of Positive PIs Section 1996 1984 0&M,, Part of construction , Billing,,,,, 7 2 In operation Groundwater, 7 3 118 120 114 7 3,015 0 0 0 0 0	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells Pump Treatment plant Pipeline Customer water meter House connection O&M manuals (Nos.)	0 0 0 0 0 3,015 0 1 450 32,500 35 PTW 1, 2 & 4 functioning Shaft broken & motor burning, etc Leakage, burst due to heavy vehicle running over pipelines Leakage from fittings - Unintentional damage 0

3. Needs of Rehabilitation and Expansi	on	House connection fee (1/2") (Tk)	300
Rehabilitation		Tariff adopted year	1994
Production tube well	Yes	Tariff setting policy	, Operation cost recovery (O&M
Treatment plant	No	· ,	costs), , , ,
Distribution network	Yes	7. Water Quality Monitoring	
	163		No
Expansion		Water quality monitoring plan	No
Production tube well	Yes	Parameters checked	-
Treatment plant	Yes	Frequency of quality test	-
Distribution network	Yes	Nos. of sampling location /year	-
4. Customer Service (Service indicators		Water quality problems	Iron
<u> </u>		water quality problems	
Coverage area (km²)	10		
Population served (people)	40,000		
Service connections (Nos.)	1,395	8. Problems and Priority Needs	
Domestic	1,378	Major 3 problems	
Public tap/ stand pipe	5	(1)	Low coverage
Public institutions	4	(-)	
		(2)	Loss financial resources
Commercial & industrial	8	(2)	Less financial resources
Others	0		
Total	1,395	(3)	In sufficient technical and
Metered connections (Nos.)	0		managerial capacity
Applications outstanding (Nos.)	0	Major 3 priority needs	- , ,
			Increase of water are
New connections in 2010/2011 (Nos.)	0	(1)	Increase of water pressure
Average waiting time (days)	0		
Water pressure at the end of network	, Fair, ,	(2)	Treatment plant
Continuity of service (hrs/day)	7		
Customer with 24 hrs supply (%)	0	(3)	Distribution network
		(3)	
Annual complaints (Nos.)	50-60		
Major complaints		9. Past and On-going Projects and Traini	ng
(:) Water supply with full pressure is not	(1) Past 10 years projects	
	available	Name	-
l ·	2) 24 hours supply is not made		_
''	24 Hours suppry is not made	Destad	
		Period	-
(3	More/sufficient pipe line is public	Funding agency	-
	demand Iron free water	Executing agency	-
5. Financial Information (FY2010/11)		(2) Past 10 years projects	-
Annual budget (Tk)	2,012,500	Name	_
		Name	
Annual revenue (Tk)	902,100		-
Annual expenditure (Tk)	884,841	Period	-
Annual O&M Costs (Tk)	884,148	Funding agency	-
Annual billings (Tk)	1,150,000	Executing agency	-
Annual collections (Tk)	902,100	On-going projects	_
Water arrears (Tk)	2,200,000	Name	_
` '		Name	27 District Towns Metan County Project
Electricity arrears (Tk)	8,600,000		37 District Towns Water Supply Project
Payment methods	, Bank	Period	2012-13
Self-billing	No	Funding agency	GOB
Billing frequency	Monthly	Executing agency	DPHE
6. Water Tariff and Metering (See Tari	•	Training	-
Tariff Structure		· · · · · · · · · · · · · · · · · · ·	3
raini structure	Based on pipe size	Nos. of training	
		Nos. of Staff	8
Domestic 13 mm (1/2") (Tk/month)	300	Name of training (1)	Basic computer training
Non-domestic lowest (Tk/month)	4,000	Name of training (2)	Project management
Lowest volumetric charge (Tk/m³)	0	Name of training (3)	Billing/ payment system
		0(-)	
D. Non-Piped Water Supply Area			
			None, , ,
1. Necessity of Piped Water Supply		Main treatment method in domestic	
		Main treatment method in domestic As contaminated wells (Nos.)	No data
1. Necessity of Piped Water Supply	Yes		
Necessity of Piped Water Supply Necessity of Piped water		As contaminated wells (Nos.) Arsenic contaminated water supply (%)	No data No data
Necessity of Piped Water Supply Necessity of Piped water Water meter	Yes	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%)	No data No data No data
Necessity of Piped Water Supply Necessity of Piped water		As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	No data No data No data 30
Necessity of Piped Water Supply Necessity of Piped water Water meter	Yes - To save water and reduce waste in household	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%)	No data No data No data
Necessity of Piped Water Supply Necessity of Piped water Water meter	Yes - To save water and reduce waste in household - By knowing how much water are using the	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	No data No data No data 30
Necessity of Piped Water Supply Necessity of Piped water Water meter	Yes - To save water and reduce waste in household - By knowing how much water are using the	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	No data No data No data 30
Necessity of Piped Water Supply Necessity of Piped water Water meter	Yes - To save water and reduce waste in household - By knowing how much water are using the	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	No data No data No data 30
Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons	Yes - To save water and reduce waste in household - By knowing how much water are using the householder.	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area	No data No data No data 30 Iron,
Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff)	Yes - To save water and reduce waste in household - By knowing how much water are using the householder.	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe	No data No data No data 30 Iron, d Water Supply System
1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk)	Yes - To save water and reduce waste in household - By knowing how much water are using the householder. 0 10,000	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources	No data No data No data 30 Iron, d Water Supply System Evaluation WQ problems
1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month)	Yes - To save water and reduce waste in household - By knowing how much water are using the householder. 0 10,000	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe	No data No data No data 30 Iron, d Water Supply System
1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk)	Yes - To save water and reduce waste in household - By knowing how much water are using the householder. 0 10,000	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources	No data No data No data 30 Iron, d Water Supply System Evaluation WQ problems
1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month Affordable price in total household income (%)	Yes - To save water and reduce waste in household - By knowing how much water are using the householder. 0 10,000 100 1	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well	No data No data No data 30 Iron, d Water Supply System Evaluation WQ problems None Iron
1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped	Yes To save water and reduce waste in household By knowing how much water are using the householder. 0 10,000 100 1 Water Supply Area	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources	No data No data No data 30 Iron, d Water Supply System Evaluation WQ problems None Iron High Iron
1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Value (Source)	Yes - To save water and reduce waste in household - By knowing how much water are using the householder. 0 10,000 100 1 Nater Supply Area Nos. of source Drinking (%) Domestic (%)	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources	No data No data No data 30 Iron, d Water Supply System Evaluation WQ problems None Iron
1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped V Source River	Yes To save water and reduce waste in household By knowing how much water are using the householder. 0 10,000 100 1 Vater Supply Area Nos. of source Drinking (%) Domestic (%) 0 0 0	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level	No data No data No data 30 Iron, d Water Supply System Evaluation WQ problems None Iron High Iron - Yes -
1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Value (Source)	Yes - To save water and reduce waste in household - By knowing how much water are using the householder. 0 10,000 100 1 Nater Supply Area Nos. of source Drinking (%) Domestic (%)	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level	No data No data No data 30 Iron, d Water Supply System Evaluation WQ problems None Iron High Iron
1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped (Source) River	Yes To save water and reduce waste in household By knowing how much water are using the householder. 0 10,000 100 1 Vater Supply Area Nos. of source Drinking (%) Domestic (%) 0 0 0	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year)	No data No data No data 30 Iron, d Water Supply System Evaluation WQ problems None Iron High Iron Yes -
1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month Affordabile price in total household income (%) 2. Exiting Water Sources in Non-Piped Source River Shallow well	Yes To save water and reduce waste in household By knowing how much water are using the householder. 0 10,000 100 1 Vater Supply Area Nos. of source Drinking (%) Domestic (%) 0 0,00 90	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year) Deep well (m/year)	No data No data No data 30 Iron, d Water Supply System Evaluation WQ problems None Iron High Iron Yes -
1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped of Source River Shallow well Deep well	Yes To save water and reduce waste in household By knowing how much water are using the householder. 0 10,000 100 1 Vater Supply Area Nos. of source Drinking (%) Domestic (%) 0 0 0 4,250 100 90 0 0 0	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year) Deep well (m/year)	No data No data No data 30 Iron, d Water Supply System Evaluation WQ problems None Iron High Iron Yes -

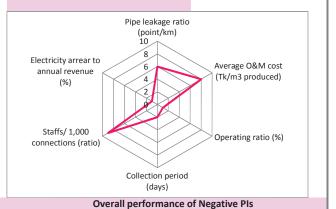
Noakhali With Piped Water Supply System

A. Pourashava Profile Class Sanitation coverage Division Chittagong Latrine with septic tank (%) 55 District Noakhali Water sealed slab latrine (%) 25 1876 Year established Water-related diseases Contact Tel/Fax 32161881 E-mail Technical staff (Nos.) Population (FY2010/2011) 197,000 Financial statements (2010/2011) Nos. of households (FY2010/2011) 12,527 Annual budget (Tk) 309,529,518 Literacy (%) 65 Revenue (Tk) 95,255,500 Land area (km²) 17 Expenditure (Tk) 94,570,879 Holding tax management, Accounting, Trade Computerization Residential area (km²) 9 license, Salary payment, , Engineering, , , Residential area pop. density (persons/ha) 230 Electricity coverage (%) 60 Electricity availability (hrs) Committee formed Summer 10 TLCC /Frequency of meeting Yes, 3 months Winter 18 WATSAN/Frequency of meeting **B. Key Performance Indicators (Efficiency Indicators)** 100 Water supply coverage (%) 40 Metering ratio (%) Per capita produced water (L/d/ca) 47 Operating ratio (%) 23 Supply Hour (Hrs) 8 Collection ratio in amount (%) 97 Non-revenue water (NRW) (%) Collection period (days) 19 Pipe leakage ratio (point/km) 2.5 Staffs/ 1,000 connections (ratio) 15



23.1

5.4



Electricity arrear to annual revenue (%)

Overall performance of Positive Pls

C. Water Supply Profile

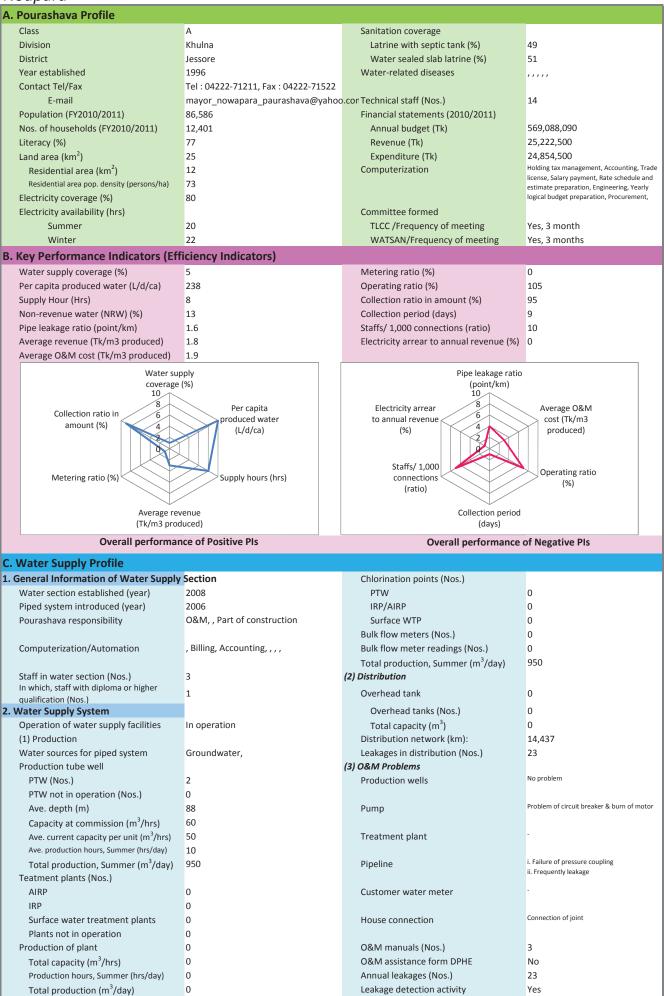
Average revenue (Tk/m3 produced)

Average O&M cost (Tk/m3 produced)

The second secon			
1. General Information of Water Supply	Section	Chlorination points (Nos.)	
Water section established (year)	2005	PTW	0
Piped system introduced (year)	2005	IRP/AIRP	1
Pourashava responsibility	O&M, Construction of water supply	Surface WTP	-
	facilities,	Bulk flow meters (Nos.)	7
Computerization/Automation	None, , , , , ,	Bulk flow meter readings (Nos.)	6
		Total production, Summer (m ³ /day)	3,720
Staff in water section (Nos.)	41	(2) Distribution	
In which, staff with diploma or higher	5	Overhead tank	0
qualification (Nos.)	3		
2. Water Supply System		Overhead tanks (Nos.)	3
Operation of water supply facilities	In operation	Total capacity (m ³)	2,100
(1) Production		Distribution network (km):	130,000
Water sources for piped system	Groundwater,	Leakages in distribution (Nos.)	325
Production tube well		(3) O&M Problems	
PTW (Nos.)	7	Production wells	Decrease of production capacity
PTW not in operation (Nos.)	1		
Ave. depth (m)	262	Pump	Mechanical problem of submersible pump.
Capacity at commission (m ³ /hrs)	59		
Ave. current capacity per unit (m ³ /hrs)	52	Treatment plant	Need more back washing for iron flock
Ave. production hours, Summer (hrs/day)	12		
Total production, Summer (m ³ /day)	3,720	Pipeline	Leakage
Teatment plants (Nos.)			
AIRP	0	Customer water meter	Leakage
IRP	1		
Surface water treatment plants	0	House connection	Leakage
Plants not in operation	0		
Production of plant	0	O&M manuals (Nos.)	6
Total capacity (m ³ /hrs)	500	O&M assistance form DPHE	Yes
Production hours, Summer (hrs/day)	12	Annual leakages (Nos.)	325
Total production (m ³ /day)	6,000	Leakage detection activity	No

3. Needs of Rehabilitation and Expans	sion		House connection fee (1/2") (Tk)	1,000
Rehabilitation	ISIOII		Tariff adopted year	2012
Production tube well		Yes	Tariff setting policy	Full cost recovery, , , People's
Treatment plant		No	Tariff Setting policy	affordability to pay, ,
Distribution network			7 Mater Quality Menitoring	
Expansion		No	7. Water Quality Monitoring	No
'		V	Water quality monitoring plan	No
Production tube well		Yes	Parameters checked	-
Treatment plant		Yes	Frequency of quality test	-
Distribution network		Yes	Nos. of sampling location /year	-
4. Customer Service (Service indicator	rs)		Water quality problems	
Coverage area (km²)		9		
Population served (people)		78,800		
Service connections (Nos.)		2,767	8. Problems and Priority Needs	
Domestic		2,667	Major 3 problems	
Public tap/ stand pipe		0	(1)	Power supply not available
Public institutions		0		
Commercial & industrial		100	(2)	Low treatment technology
Others		0		Low treatment technology
Total		2,767	(3)	Leakage, Iron flock problem in
Metered connections (Nos.)		2,767		the pipeline at transmission
Applications outstanding (Nos.)		80	Major 3 priority needs	
New connections in 2010/2011 (Nos.)	.)	325		Production well and pump
Average waiting time (days)		15-20	(-)	r: r
Water pressure at the end of network		, , Low,	(2)	Treatment plant
Continuity of service (hrs/day)		8	(2)	and a character
Customer with 24 hrs supply (%)		0	(3)	_
Annual complaints (Nos.)		350	(3)	
, , , ,		330	9 Past and On going Projects and Training	a
Major complaints	(1)	Leakage Problem	9. Past and On-going Projects and Trainin	5
	(1)	Leakage FlobleIII	(1) Past 10 years projects	
	(2)	24 has sometimes bloom	Name	-
	(2)	24 hrs supply problem		-
			Period	-
	(3)	No water supply available at the end	Funding agency	-
		of pipeline.	Executing agency	-
5. Financial Information (FY2010/11)			(2) Past 10 years projects	-
Annual budget (Tk)		2,073,909	Name	-
Annual revenue (Tk)		31,388,907		-
Annual expenditure (Tk)		24,481,335	Period	-
Annual O&M Costs (Tk)		7,280,111	Funding agency	-
Annual billings (Tk)		11,551,934	Executing agency	-
Annual collections (Tk)		11,174,539	On-going projects	-
Water arrears (Tk)		1,617,068	Name	-
Electricity arrears (Tk)		0		_
Payment methods		, Bank	Period	_
Self-billing		No	Funding agency	_
Billing frequency		Monthly	Executing agency	_
6. Water Tariff and Metering (See Tar		•	Training	0
Tariff Structure		Metered rate	Nos. of training	2
Tariii Su ucture		wickered rate	· ·	5
Domostic 12 (4/2") (TL/		0	Nos. of Staff	
Domestic 13 mm (1/2") (Tk/month)		0	Name of training (1)	Water billing software
Non-domestic lowest (Tk/month)		0	Name of training (2)	Water supply & Solid waste management
Lowest volumetric charge (Tk/m³)		7	Name of training (3)	-
D. Non-Piped Water Supply Area	a			
1. Necessity of Piped Water Supply			Main treatment method in domestic	, Boiling, ,
Necessity of				
			As contaminated wells (Nos.)	1,335
Piped water		Yes	As contaminated wells (Nos.) Arsenic contaminated water supply (%)	1,335 60
· ·		Yes Yes		
Piped water		Yes 1. To save water and reduce water in household	Arsenic contaminated water supply (%)	60
Piped water Water meter		Yes 1. To save water and reduce water in household 2. By knowing how much water produced and how	Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	60 5
Piped water Water meter		Yes 1. To save water and reduce water in household	Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	60 5 30
Piped water Water meter		Yes 1. To save water and reduce water in household 2. By knowing how much water produced and how much water delivered to the consumers, the amount	Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	60 5 30
Piped water Water meter		Yes 1. To save water and reduce water in household 2. By knowing how much water produced and how much water delivered to the consumers, the amount	Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	60 5 30
Piped water Water meter Reasons		Yes 1. To save water and reduce water in household 2. By knowing how much water produced and how much water delivered to the consumers, the amount of non-revenue water will be known	Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area	60 5 30 Arsenic, Iron, Salinity, Bacteria
Piped water Water meter Reasons Affordability (answered by pourashava staff	ff)	Yes 1. To save water and reduce water in household 2. By knowing how much water produced and how much water delivered to the consumers, the amount of non-revenue water will be known	Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipeo	60 5 30 Arsenic, Iron, Salinity, Bacteria Water Supply System
Piped water Water meter Reasons Affordability (answered by pourashava staff Average household income/month (Tk	ff) k)	Yes 1. To save water and reduce water in household 2. By knowing how much water produced and how much water delivered to the consumers, the amount of non-revenue water will be known 0 8,000	Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipeo Potential water sources	60 5 30 Arsenic, Iron, Salinity, Bacteria Water Supply System Evaluation WQ problems
Piped water Water meter Reasons Affordability (answered by pourashava staff Average household income/month (Tk Affordability for piped water (Tk/mont	ff) k) oth)	Yes 1. To save water and reduce water in household 2. By knowing how much water produced and how much water delivered to the consumers, the amount of non-revenue water will be known 0 8,000 250	Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipeo Potential water sources Shallow well	60 5 30 Arsenic, Iron, Salinity, Bacteria Water Supply System Evaluation WQ problems Moderate Arsenic, Iron, Chloride
Piped water Water meter Reasons Affordability (answered by pourashava staff Average household income/month (Tk Affordability for piped water (Tk/mont Affordable price in total household income (%)	ff) k) ith)	Yes 1. To save water and reduce water in household 2. By knowing how much water produced and how much water delivered to the consumers, the amount of non-revenue water will be known 0 8,000 250 3	Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piped Potential water sources Shallow well Deep well	60 5 30 Arsenic, Iron, Salinity, Bacteria Water Supply System Evaluation WQ problems Moderate Arsenic, Iron, Chloride Can't evalu
Piped water Water meter Reasons Affordability (answered by pourashava staff Average household income/month (Tk Affordability for piped water (Tk/mont Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped	ff) k) ith)	Yes 1. To save water and reduce water in household 2. By knowing how much water produced and how much water delivered to the consumers, the amount of non-revenue water will be known 0 8,000 250 3 ater Supply Area	Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piped Potential water sources Shallow well Deep well Surface water sources	60 5 30 Arsenic, Iron, Salinity, Bacteria Water Supply System Evaluation WQ problems Moderate Arsenic, Iron, Chloride Can't evalu None Unhygienic
Piped water Water meter Reasons Affordability (answered by pourashava staff Average household income/month (Tk Affordability for piped water (Tk/mont Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Source	ff) k) ith)	Yes 1. To save water and reduce water in household 2. By knowing how much water produced and how much water delivered to the consumers, the amount of non-revenue water will be known 0 8,000 250 3 ater Supply Area Nos. of source Drinking (%) Domestic (%)	Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piped Potential water sources Shallow well Deep well Surface water sources Other sources	60 5 30 Arsenic, Iron, Salinity, Bacteria Water Supply System Evaluation WQ problems Moderate Arsenic, Iron, Chloride Can't evalu
Piped water Water meter Reasons Affordability (answered by pourashava staff Average household income/month (Tk Affordability for piped water (Tk/mont Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Source River	ff) k) ith)	Yes 1. To save water and reduce water in household 2. By knowing how much water produced and how much water delivered to the consumers, the amount of non-revenue water will be known 0 8,000 250 3 ater Supply Area Nos. of source Drinking (%) Domestic (%) 1 0 2	Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipeo Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level	60 5 30 Arsenic, Iron, Salinity, Bacteria Water Supply System Evaluation WQ problems Moderate Arsenic, Iron, Chloride Can't evalu None Unhygienic No 0
Piped water Water meter Reasons Affordability (answered by pourashava staff Average household income/month (Tk Affordability for piped water (Tk/mont Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Source River Shallow well	ff) k) ith)	Yes 1. To save water and reduce water in household 2. By knowing how much water produced and how much water delivered to the consumers, the amount of non-revenue water will be known 0 8,000 250 3 ater Supply Area Nos. of source Drinking (%) Domestic (%) 1 0 2 1,335 95 20	Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipeo Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year)	60 5 30 Arsenic, Iron, Salinity, Bacteria Water Supply System Evaluation WQ problems Moderate Arsenic, Iron, Chloride Can't evalu None Unhygienic No 0 Do not know
Piped water Water meter Reasons Affordability (answered by pourashava staff Average household income/month (Tk Affordability for piped water (Tk/mont Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Source River Shallow well Deep well	ff) k) ith)	Yes 1. To save water and reduce water in household 2. By knowing how much water produced and how much water delivered to the consumers, the amount of non-revenue water will be known 0 8,000 250 3 ater Supply Area Nos. of source Drinking [%] Domestic (%) 1 0 2 1,335 95 20 0 0 0	Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipeo Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level	60 5 30 Arsenic, Iron, Salinity, Bacteria Water Supply System Evaluation WQ problems Moderate Arsenic, Iron, Chloride Can't evalu None Unhygienic No 0
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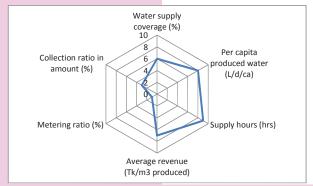
3. Needs of Rehabilitation and Expansio	n	House connection fee (1/2") (Tk)	300
Rehabilitation		Tariff adopted year	2008
Production tube well	No	Tariff setting policy	, Operation cost recovery (O&M
Treatment plant	No		costs), , , ,
Distribution network	Yes	7. Water Quality Monitoring	
	103		No
Expansion		Water quality monitoring plan	No
Production tube well	Yes	Parameters checked	-
Treatment plant	Yes	Frequency of quality test	-
Distribution network	Yes	Nos. of sampling location /year	-
4. Customer Service (Service indicators)		Water quality problems	-
	4	water quality problems	
Coverage area (km²)			
Population served (people)	4,000		
Service connections (Nos.)	302	8. Problems and Priority Needs	
Domestic	288	Major 3 problems	
Public tap/ stand pipe	11	(1)	Low coverage
Public institutions	1	(-)	
		(2)	Land Simon sink management
Commercial & industrial	2	(2)	Less financial resources
Others	0		
Total	302	(3)	In sufficient technical and
Metered connections (Nos.)	0		managerial capacity.
Applications outstanding (Nos.)	0	Major 3 priority needs	
			Increase of production consists
New connections in 2010/2011 (Nos.)	0	(1)	Increase of production capacity
Average waiting time (days)	0		
Water pressure at the end of network	, Fair, ,	(2)	Expansion and replacement of
Continuity of service (hrs/day)	8		network
Customer with 24 hrs supply (%)	0	(3)	Improvement of water quality
	30	(3)	process tracer quanty
Annual complaints (Nos.)	30	O Post and Oversity Date of the Control of the Cont	L_
Major complaints		9. Past and On-going Projects and Traini	ng
(1)	Low pressure	(1) Past 10 years projects	
		Name	-
(2)	No 24 hours supply		_
(-)	то = 1 по видери,	Period	_
(2)	Lashana of samusation		
(3)	Leakage of connection	Funding agency	-
		Executing agency	-
5. Financial Information (FY2010/11)		(2) Past 10 years projects	-
Annual budget (Tk)	0	Name	-
Annual revenue (Tk)	625,000		_
' '		Daviad	
Annual expenditure (Tk)	520,500	Period	-
Annual O&M Costs (Tk)	656,534	Funding agency	-
Annual billings (Tk)	288,726	Executing agency	-
Annual collections (Tk)	272,916	On-going projects	-
Water arrears (Tk)	15,810	Name	-
Electricity arrears (Tk)	0		_
· · · ·		Daviad	
Payment methods	, Bank	Period 	-
Self-billing	No	Funding agency	-
Billing frequency	Monthly	Executing agency	-
6. Water Tariff and Metering (See Tariff	Database)	Training	-
Tariff Structure	Based on pipe size	Nos. of training	0
		Nos. of Staff	0
Domostic 12 (4/2 \ /TL/	200		Ĭ
Domestic 13 mm (1/2") (Tk/month)	300	Name of training (1)	-
Non-domestic lowest (Tk/month)	4,000	Name of training (2)	-
Lowest volumetric charge (Tk/m³)	0	Name of training (3)	<u>-</u>
	0	Name of training (3)	-
D. Non-Piped Water Supply Area	0		None
D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply	0	Main treatment method in domestic	None, , ,
D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of		Main treatment method in domestic As contaminated wells (Nos.)	51
D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply	Yes	Main treatment method in domestic As contaminated wells (Nos.)	
D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of		Main treatment method in domestic As contaminated wells (Nos.)	51
D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	Yes	Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%)	51 1 No data
D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water	Yes Yes i. Customers to pay the bill as per their water volume consumed.	Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	51 1 No data 8
D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	Yes Yes i. Customers to pay the bill as per their water volume consumed. ii. For actual revenue income in the water section of	Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%)	51 1 No data
D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	Yes Yes i. Customers to pay the bill as per their water volume consumed.	Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	51 1 No data 8
D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	Yes Yes i. Customers to pay the bill as per their water volume consumed. ii. For actual revenue income in the water section of	Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	51 1 No data 8
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D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	Yes Yes i. Customers to pay the bill as per their water volume consumed. ii. For actual revenue income in the water section of	Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area	51 1 No data 8 No problem, No problem
D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff)	Yes Yes i. Customers to pay the bill as per their water volume consumed. ii. For actual revenue income in the water section of Pourashava	Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area	51 1 No data 8 No problem, No problem d Water Supply System
D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk)	Yes Yes i. Customers to pay the bill as per their water volume consumed. ii. For actual revenue income in the water section of Pourashava 0 15,000	Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources	51 1 No data 8 No problem, No problem d Water Supply System Evaluation WQ problems
D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month)	Yes i. Customers to pay the bill as per their water volume consumed. ii. For actual revenue income in the water section of Pourashava 0 15,000 80	Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well	51 1 No data 8 No problem, No problem d Water Supply System Evaluation WQ problems None N
D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%)	Yes Yes i. Customers to pay the bill as per their water volume consumed. ii. For actual revenue income in the water section of Pourashava 0 15,000 80	Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources	51 1 No data 8 No problem, No problem d Water Supply System Evaluation WQ problems
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D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordabile price in total household income (%)	Yes Yes i. Customers to pay the bill as per their water volume consumed. ii. For actual revenue income in the water section of Pourashava 0 15,000 80	Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well	51 1 No data 8 No problem, No problem d Water Supply System Evaluation WQ problems None N
D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped W Source	Yes Yes i. Customers to pay the bill as per their water volume consumed. ii. For actual revenue income in the water section of Pourashava 0 15,000 80 1 ater Supply Area Nos. of source Drinking (%) Domestic (%)	Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources	51 1 No data 8 No problem, No problem d Water Supply System Evaluation WQ problems None N High N
D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped W Source River	Yes Yes i. Customers to pay the bill as per their water volume consumed. ii. For actual revenue income in the water section of Pourashava 0 15,000 80 1 ater Supply Area Nos. of source Drinking (%) Domestic (%) 0 0 0	Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level	51 1 No data 8 No problem, No problem d Water Supply System Evaluation WQ problems None N High N Yes -
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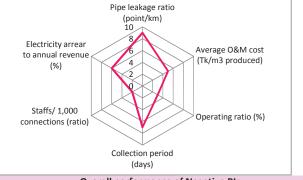
A. Pourashava Profile Class Sanitation coverage Division Raishahi Latrine with septic tank (%) 65 District Pabna Water sealed slab latrine (%) 20 Year established 1876 Water-related diseases Contact Tel/Fax Tel: 0731-65550, 0731-65260 (PABX), 0731-65427, 0731-66320 E-mail pabna.pourashava@yahoo.com Technical staff (Nos.) 21 Population (FY2010/2011) 181,939 Financial statements (2010/2011) Nos. of households (FY2010/2011) 26,825 Annual budget (Tk) 866,600,000 Literacy (%) 73 Revenue (Tk) 78,145,000 Land area (km²) 27 Expenditure (Tk) 56,690,000 Holding tax management, Accounting, , Salary payment, , , Yearly logical budget preparation, Procurement, Computerization Residential area (km²) 10 Residential area pop. density (persons/ha) 178 Electricity coverage (%) 90 Electricity availability (hrs) Committee formed Summer 14 TLCC /Frequency of meeting Yes, 4 months Winter 19 WATSAN/Frequency of meeting Yes, 4 months B. Key Performance Indicators (Efficiency Indicators)

Water supply coverage (%)	35
Per capita produced water (L/d/ca)	165
Supply Hour (Hrs)	10
Non-revenue water (NRW) (%)	20
Pipe leakage ratio (point/km)	9.6
Average revenue (Tk/m3 produced)	4.1
Average O&M cost (Tk/m3 produced) 3

Pabna

Metering ratio (%) 0
Operating ratio (%) 74
Collection ratio in amount (%) 66
Collection period (days) 182
Staffs/ 1,000 connections (ratio) 6
Electricity arrear to annual revenue (%) 12





Overall performance of Positive Pls

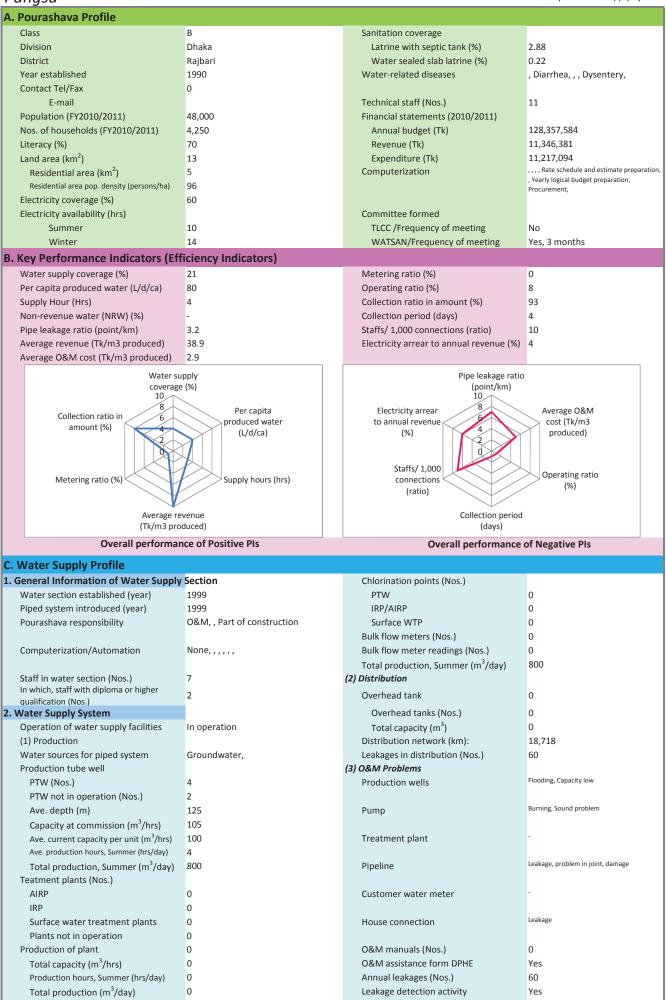
Overall performance of Negative PIs

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c. water supply i forme			
1. General Information of Water Supply	Section	Chlorination points (Nos.)	
Water section established (year)	1973	PTW	0
Piped system introduced (year)	1951	IRP/AIRP	Not operated
Pourashava responsibility	O&M, , Part of construction	Surface WTP	-
		Bulk flow meters (Nos.)	5
Computerization/Automation	, Billing, Accounting, , , ,	Bulk flow meter readings (Nos.)	0
		Total production, Summer (m ³ /day)	10,500
Staff in water section (Nos.)	42	(2) Distribution	
In which, staff with diploma or higher	1	Overhead tank	0
qualification (Nos.)	-		
2. Water Supply System		Overhead tanks (Nos.)	4
Operation of water supply facilities	In operation	Total capacity (m ³)	2,497
(1) Production		Distribution network (km):	110,000
Water sources for piped system	Groundwater,	Leakages in distribution (Nos.)	1,055
Production tube well		(3) O&M Problems	
PTW (Nos.)	12	Production wells	Decreasing of production capacity
PTW not in operation (Nos.)	0		
Ave. depth (m)	69	Pump	Burning of pump motor due to voltage fluctuation.
Capacity at commission (m ³ /hrs)	92		
Ave. current capacity per unit (m ³ /hrs)	73	Treatment plant	Source of deep tube well has fully chocked up.
Ave. production hours, Summer (hrs/day)	11		up.
Total production, Summer (m ³ /day)	10,500	Pipeline	AC, MS & Old PVC pipes causing frequent
Teatment plants (Nos.)			leakage & damaged.
AIRP	0	Customer water meter	Water meter in pump house is out of orde
IRP	1		There is no water meter to replace in household level.
Surface water treatment plants	0	House connection	
Plants not in operation	1		
Production of plant	0	O&M manuals (Nos.)	0
Total capacity (m ³ /hrs)	200	O&M assistance form DPHE	No
Production hours, Summer (hrs/day)	Not operated	Annual leakages (Nos.)	1,055
Total production (m ³ /day)	0	Leakage detection activity	No
, , , , ,			

2 Mondo of Dobabilitation and Function			
3. Needs of Rehabilitation and Expans	ion	House connection fee (1/2") (Tk)	300
Rehabilitation		Tariff adopted year	2007
Production tube well	Yes	Tariff setting policy	, Operation cost recovery (O&M costs),
Treatment plant	Yes		, People's affordability to pay, ,
Distribution network	Yes	7. Water Quality Monitoring	
Expansion	. 65	Water quality monitoring plan	No
'	V		NO
Production tube well	Yes	Parameters checked	-
Treatment plant	No	Frequency of quality test	-
Distribution network	Yes	Nos. of sampling location /year	-
4. Customer Service (Service indicator	s)	Water quality problems	
Coverage area (km²)	17		
Population served (people)	63,680		
Service connections (Nos.)	7,130	8. Problems and Priority Needs	
Domestic Domestic		•	
	5,740	Major 3 problems	
Public tap/ stand pipe	162	(1)	Low area covered now.
Public institutions	270		
Commercial & industrial	887	(2)	Leakage in network
Others	71		Leakage in network
Total	7,130	(3)	Less financial resource
	0	(3)	2000 11110101 1 200 01 00
Metered connections (Nos.)		Major 2 priority and de	
Applications outstanding (Nos.)	12	Major 3 priority needs	
New connections in 2010/2011 (Nos.)		(1)	Increase of production capacity
Average waiting time (days)	5		
Water pressure at the end of network	, , Low,	(2)	Expansion and replacement of
Continuity of service (hrs/day)	10		network
Customer with 24 hrs supply (%)	0	(3)	Production well and pump
Annual complaints (Nos.)	750	(3)	Table Wen and pump
' ' '	7.50	O. Bast and On asing Business and Turisi	~
Major complaints	(A) Nice control the control to	9. Past and On-going Projects and Trainin	'B
	(1) Non-availability sufficient water supp	ply (1) Past 10 years projects	
		Name	-
	(2) Excess iron		-
		Period	-
	(3) Demand for 24 hours supply	Funding agency	_
	(3)	Executing agency	
5 Figure del Information (5V2040 /44)			
5. Financial Information (FY2010/11)		(2) Past 10 years projects	-
Annual budget (Tk)	20,720,000	Name	-
Annual revenue (Tk)	15,664,155		-
Annual expenditure (Tk)	11,531,341	Period	-
Annual O&M Costs (Tk)	11,531,341	Funding agency	-
Annual billings (Tk)	17,189,298	Executing agency	_
Annual collections (Tk)	11,381,058	On-going projects	_
Water arrears (Tk)		Name	
' '	7,808,240	Name	27 District Towns Wets County
Electricity arrears (Tk)	1,923,106		37-District Towns Water Supply
Payment methods	, Bank	Period	2010-2011 to 2013-2014
Self-billing	No	Funding agency	GOB
Billing frequency	Monthly	Function access.	00115
6. Water Tariff and Metering (See Tar		Executing agency	DPHE
- 0 (iff Database)	Training	0
Tariff Structure		Training	0
	riff Database) Based on pipe size	Training Nos. of training	0
Tariff Structure	Based on pipe size	Training Nos. of training Nos. of Staff	0 1 1
Tariff Structure Domestic 13 mm (1/2") (Tk/month)	Based on pipe size	Training Nos. of training Nos. of Staff Name of training (1)	0
Tariff Structure	Based on pipe size 100 200	Training Nos. of training Nos. of Staff Name of training (1) Name of training (2)	0 1 1
Tariff Structure Domestic 13 mm (1/2") (Tk/month)	Based on pipe size	Training Nos. of training Nos. of Staff Name of training (1)	0 1 1
Tariff Structure Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month)	Based on pipe size 100 200 0	Training Nos. of training Nos. of Staff Name of training (1) Name of training (2)	0 1 1
Tariff Structure Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m ³) D. Non-Piped Water Supply Area	Based on pipe size 100 200 0	Training Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3)	0 1 1 Water, sanitation and hygiene promotion
Tariff Structure Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply	Based on pipe size 100 200 0	Training Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic	0 1 1 Water, sanitation and hygiene promotion None, , ,
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Tariff Structure Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water	Based on pipe size 100 200 0 Yes Yes - To control wastage of water.	Training Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%)	0 1 1 Water, sanitation and hygiene promotion None, , , Do not know Do not know
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Tariff Structure Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff Average household income/month (Tk/ Affordability for piped water (Tk/mont Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Source River	Passed on pipe size 100 200 0 Yes Yes - To control wastage of water To collect actual revenue. 7) 0 7,500 h) 250 3 Water Supply Area Nos. of source Drinking (%) Domestic.	Training Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piper Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level	0 1 1 Water, sanitation and hygiene promotion None, , , Do not know Do not know 35 2 Drawdown of water table on shallow tube well in summer., Ponds are contaminated by human waste. 3 Water Supply System Evaluation WQ problems Moderate Iron High Fe None No problem No 0
Tariff Structure Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff Average household income/month (Tk/ Affordability for piped water (Tk/mont) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Source River Shallow well	Based on pipe size	Training Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piper Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year)	0 1 1 Water, sanitation and hygiene promotion None, , , Do not know Do not know 35 2 Drawdown of water table on shallow tube well in summer., Ponds are contaminated by human waste. 3 Water Supply System Evaluation WQ problems Moderate Iron High Fe None No problem No 0
Tariff Structure Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff Average household income/month (Tk/ Affordability for piped water (Tk/mont Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Source River Shallow well Deep well	Based on pipe size	Training Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piper Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year) Deep well (m/year)	0 1 1 Water, sanitation and hygiene promotion None, , , Do not know Do not know 35 2 Drawdown of water table on shallow tube well in summer., Ponds are contaminated by human waste. 3 Water Supply System Evaluation WQ problems Moderate Iron High Fe None No problem No 0
Tariff Structure Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff Average household income/month (Tk/ Affordability for piped water (Tk/mont Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Source River Shallow well	Based on pipe size	Training Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piper Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year)	0 1 1 Water, sanitation and hygiene promotion None, , , Do not know Do not know 35 2 Drawdown of water table on shallow tube well in summer., Ponds are contaminated by human waste. 3 Water Supply System Evaluation WQ problems Moderate Iron High Fe None No problem No 0

Pangsa With Piped Water Supply System



House connection fee (1/2") (Th) 320
Production tube well Treatment plant Distribution network Expansion Production tube well Treatment plant Yes Distribution network Production tube well Production
Treatment plant Distribution network Pes Expansion Production tube well Press Treatment plant Tre
Distribution network Yes F. Water Quality Monitoring No Parameters checked -
Distribution network Yes F. Water Quality Monitoring Water quality monitoring plan No Parameters checked -
Expansion Production tube well Yes Parameters checked -
Production tube well Yes Parameters checked -
Treatment plant Ves Frequency of quality test Nos. of sampling location / year Ves Nos. of sampling location / year Nos. of sampling location Nos. of sampling lo
Distribution network Yes Nos. of sampling location /year Vater quality problems
A. Customer Service (Service indicators) 3 3 3 3 3 3 3 3 3
A. Customer Service (Service indicators) 3 3 3 3 3 3 3 3 3
Coverage area (km²) 3 Population served (people) 5 579 8. Problems and Priority Needs
Population served (people) 10,000
Service connections (Nos.) 679 8. Problems and Priority Needs Domestic April 1 and Priority Stand pipe 5 Public itaply stand pipe 5 Public institutions 6 Commercial & industrial 48 Others 10 Total 679 (3) Low voltage Metered connections (Nos.) 0 Applications outstanding (Nos.) 0 Applications outstanding (Nos.) 0 Applications outstanding (Nos.) 0 New connections in 2010/2011 (Nos.) 0 Average waiting time (days) 0 Water pressure at the end of network (70 on Annual complaints (Nos.) 10 Major complaints (1) Leakage (2) Low Pressure (2) Low Pressure (2) Low Pressure (2) Low Pressure (3) - Priod Funding agency - Executing agency - Executing agency - Executing agency - Executing agency - Priod - Prio
Domestic
Domestic Public tap/ stand pipe 5
Public tap/ stand pipe
Public institutions 6 Commercial & industrial 48 (2) Leakage
Commercial & industrial
Others
Metered connections (Nos.) 0 Applications outstanding (Nos.) 0 Applications outstanding (Nos.) 0 Applications outstanding (Nos.) 0 Average waiting time (days) 0 Annual complaints (Nos.) 10 Major complaints (1) Leakage (1) Past 10 years projects and Training (1) Past 10 years projects Name - (2) Low Pressure Period - Funding agency - Executing agency - Executing agency - Executing agency - Annual budget (Tk) 11,346,381 Annual expenditure (Tk) 857,208 Period - Annual oBM Costs (Tk) 852,208 Funding agency - Annual billings (Tk) 923,903 Executing agency - Annual collections (Tk) 861,183 On-going projects - Annual collections (Tk) 861,183 On-going projects - Electricity arrears (Tk) 400,000 Payment methods , Bank Period - Electricity arrears (Tk) 400,000 Payment methods , Bank Period - Electricity arrears (Tk) 400,000 Payment methods , Bank Period - Billing frequency Monthly Executing agency - Training - Tariff Structure Based on pipe size Nos. of training 0 Nos. of staff 0 Domestic 13 mm (1/2") (Tk/month) 75 Name of training (2) - Non-domestic Clowest (Tk/month) 125 Name of training (2) - Name of training (2) -
Metered connections (Nos.) 0 Applications outstanding (Nos.) 0 Applications outstanding (Nos.) 0 Average waiting time (days) 0 Average waiting time (days) 0 Water pressure at the end of network Continuity of service (hrs/day) 4 Customer with 24 hrs supply (%) 0 Major complaints (Nos.) 10 Major complaints (Nos.) 10 Major complaints (1) Leakage (1) Leakage (1) Past 10 years projects and Training (1) Past 10 years projects or Period - Evecuting agency - S. Financial Information (FY2010/11) Annual budget (TK) 11,346,381 Annual expenditure (TK) 857,208 Annual expenditure (TK) 857,208 Annual collections (TK) 852,208 Annual collections (TK) 852,208 Annual collections (TK) 861,183 On-going projects - Name - Period - (2) Past 10 years projects Name - Period - Executing agency - Executing agency - Executing agency - Executing agency - Captain (1) Past 10 years projects Name - On-going projects and Training - Captain (1) Past 10 years projects Name - Executing agency - Executing agency - Captain (1) Past 10 years projects Name - Captain (1) Past 10 years projects Name - Executing agency - Captain (1) Past 10 years projects Name - Captain (1) Past 10 years projects Name - Executing agency - Captain (1) Past 10 years projects Name - Captain (1
Metered connections (Nos.)
Applications outstanding (Nos.) 0
New connections in 2010/2011 (Nos.) Average waiting time (days) Owater pressure at the end of network Continuity of service (hrs/day) Customer with 24 hrs supply (%) Annual complaints (1) Leakage (2) Leakage (3) - (2) Leakage (1) Past 10 years projects and Training (1) Past 10 years projects Name - (2) Low Pressure Period - Funding agency - Executing agency - Executing agency Annual budget (Tk) Annual expenditure (Tk) Annual expenditure (Tk) Annual bulget (Tk) Annual billings (Tk) Annual
Average waiting time (days) Water pressure at the end of network Continuity of service (hrs/day) Annual complaints (Nos.) Major complaints (1) Leakage (2) Low Pressure (2) Low Pressure (3) - 5. Financial Information (FY2010/11) Annual budget (Tk) Annual pudget (Tk) Annual pudget (Tk) Annual pudget (Tk) Annual o&M Costs (Tk) Annual o&M Costs (Tk) Annual collections (Tk) Annual collecti
Average waiting time (days) Water pressure at the end of network Continuity of service (hrs/day) Annual complaints (Nos.) Major complaints (1) Leakage (2) Low Pressure (2) Low Pressure (3) - S. Financial Information (FY2010/11) Annual budget (Tk) Annual revenue (Tk) Annual vexpenditure (Tk) Annual Dillings (Tk) Annual Dillings (Tk) Annual Dillings (Tk) Annual collections (Tk) Annual
Water pressure at the end of network Continuity of service (hrs/day) 4 Customer with 24 hrs supply (%) 0 Gay Increase of production cal Annual complaints (Nos.) 10 S. Past and On-going Projects and Training (1) Leakage Period -
Continuity of service (hrs/day) Customer with 24 hrs supply (%) Annual complaints (Nos.) Major complaints (1) Leakage (1) Past 10 years projects and Training (1) Past 10 years projects Name Period Funding agency Executing agency Annual budget (Tk) Annual expenditure (Tk) Annual expenditure (Tk) Annual expenditure (Tk) Annual billings (Tk) Annual billings (Tk) Annual oldections (Tk) Annual collections (Tk) Annual collections (Tk) Annual collections (Tk) Annual oldections (Tk) Annual oldections (Tk) Annual of Moosts (Tk) Annual oldections (Tk)
Customer with 24 hrs supply (%) Annual complaints (Nos.) Major complaints (1) Leakage (1) Past 10 years projects and Training (1) Past 10 years projects Name (2) Low Pressure (3) - Period Funding agency Executing agency Annual budget (Tk) Annual budget (Tk) Annual expenditure (Tk) Annual expenditure (Tk) Annual bulges (Tk) Annual polections (Tk) Annual collections (Tk) Annual collections (Tk) Annual collections (Tk) Bash Annual collections (Tk) Bash Annual collections (Tk) Bash Self-billing No Funding agency Feriod Feriod Feriod Feriod Feriod Forging projects Funding agency Funding agency Funding agency Feriod Feriod Forging projects Funding agency Funding agency Feriod Ferio
Annual complaints (Nos.) 10 10 10 10 10 10 10 1
Annual complaints (Nos.) 10 10 10 10 10 10 10 1
Major complaints
(1) Leakage (1) Past 10 years projects Name - (2) Low Pressure - (3) - Period - Funding agency - Executing agency - Executing agency - Annual budget (Tk) 13,899,296 Name - Annual revenue (Tk) 11,346,381 - Annual expenditure (Tk) 857,208 Period - Annual oSM Costs (Tk) 852,208 Funding agency - Annual collections (Tk) 923,903 Executing agency - Annual collections (Tk) 861,183 On-going projects - Water arrears (Tk) 122,720 Name - Electricity arrears (Tk) 400,000 Payment methods , Bank Period - Self-billing No Funding agency - Billing frequency Monthly Executing agency - Monthly Executing agency - Training - Tariff Structure Based on pipe size Nos. of training 0 Domestic 13 mm (1/2") (Tk/month) 75 Name of training (1) - Non-domestic lowest (Tk/month) 125 Name of training (2) - Lowest volumetric charge (Tk/m³) 0
Name -
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Period Funding agency Funding agen
Period Funding agency Funding agen
S. Financial Information (FY2010/11)
Executing agency (2) Past 10 years projects Annual budget (Tk) Annual revenue (Tk) Annual revenue (Tk) Annual O&M Costs (Tk) Annual Oillections (Tk) Annual collections (Tk) Belectricity arrears (Tk) Payment methods Self-billing No Self-billing Tariff Structure Based on pipe size Executing agency - Annual collections (Tk) Annual collections (Tk) Annual collections (Tk) Domestic 13 mm (1/2") (Tk/month) No (2) Past 10 years projects - Name - Executing agency - Funding agency - Name - Executing agency - Name - Executing agency - Name - Executing agency - Non Executing agency - Executing agency - Executing agen
5. Financial Information (FY2010/11) Annual budget (Tk) 13,899,296 Name - Annual revenue (Tk) 11,346,381 - Annual expenditure (Tk) 857,208 Period - Annual O&M Costs (Tk) 852,208 Funding agency - Annual billings (Tk) 923,903 Executing agency - Annual collections (Tk) 861,183 On-going projects - Water arrears (Tk) 122,720 Name - Electricity arrears (Tk) 400,000 - Payment methods , Bank Period - Self-billing No Funding agency - Billing frequency Monthly Executing agency - 6. Water Tariff and Metering (See Tariff Database) Training - Tariff Structure Based on pipe size Nos. of training 0 Nos. of Staff 0 Domestic 13 mm (1/2") (Tk/month) 75 Name of training (2) - Lowest volumetric charge (Tk/m³) 0 Name of training (3) -
Annual budget (Tk)
Annual budget (Tk)
Annual revenue (Tk) 11,346,381 Annual expenditure (Tk) 857,208 Annual O&M Costs (Tk) 852,208 Annual billings (Tk) 923,903 Executing agency - Annual collections (Tk) 861,183 On-going projects - Water arrears (Tk) 122,720 Name - Electricity arrears (Tk) 400,000 Payment methods , Bank Period - Self-billing No Funding agency - Billing frequency Monthly Executing agency - Executing agency - Training - Tariff Structure Based on pipe size Nos. of training 0 Nos. of Staff 0 Domestic 13 mm (1/2") (Tk/month) 75 Name of training (1) - Non-domestic lowest (Tk/month) 125 Name of training (3) -
Annual expenditure (Tk) 857,208 Period - Annual O&M Costs (Tk) 852,208 Funding agency - Annual billings (Tk) 923,903 Executing agency - Annual collections (Tk) 861,183 On-going projects - Water arrears (Tk) 122,720 Name - Electricity arrears (Tk) 400,000 - Payment methods , Bank Period - Self-billing No Funding agency - Billing frequency Monthly Executing agency - G. Water Tariff and Metering (See Tariff Database) Training - Tariff Structure Based on pipe size Nos. of training O Nos. of Staff O Domestic 13 mm (1/2") (Tk/month) 75 Name of training (1) - Non-domestic lowest (Tk/month) 125 Name of training (2) - Lowest volumetric charge (Tk/m³) 0 Name of training (3) -
Annual O&M Costs (Tk) 852,208 Funding agency - Annual billings (Tk) 923,903 Executing agency - Annual collections (Tk) 861,183 On-going projects - Water arrears (Tk) 122,720 Name - Electricity arrears (Tk) 400,000 - Payment methods , Bank Period - Self-billing No Funding agency - Billing frequency Monthly Executing agency - G. Water Tariff and Metering (See Tariff Database) Training - Tariff Structure Based on pipe size Nos. of training 0 Domestic 13 mm (1/2") (Tk/month) 75 Name of training (1) - Non-domestic lowest (Tk/month) 125 Name of training (2) - Lowest volumetric charge (Tk/m³) 0 Name of training (3) -
Annual billings (Tk) 923,903 Executing agency - Annual collections (Tk) 861,183 On-going projects - Water arrears (Tk) 122,720 Name - Electricity arrears (Tk) 400,000 - Payment methods , Bank Period - Self-billing No Funding agency - Billing frequency Monthly Executing agency - Tariff Structure Based on pipe size Nos. of training 0 Domestic 13 mm (1/2") (Tk/month) 75 Name of training (1) - Non-domestic lowest (Tk/month) 125 Name of training (2) - Lowest volumetric charge (Tk/m³) 0 Name of training (3)
Annual billings (Tk) 923,903 Executing agency - Annual collections (Tk) 861,183 On-going projects - Water arrears (Tk) 122,720 Name - Electricity arrears (Tk) 400,000 - Payment methods , Bank Period - Self-billing No Funding agency - Billing frequency Monthly Executing agency - Tariff Structure Based on pipe size Nos. of training 0 Domestic 13 mm (1/2") (Tk/month) 75 Name of training (1) - Non-domestic lowest (Tk/month) 125 Name of training (2) - Lowest volumetric charge (Tk/m³) 0 Name of training (3)
Annual collections (Tk) 861,183 On-going projects - Water arrears (Tk) 122,720 Name - Electricity arrears (Tk) 400,000 - Payment methods , Bank Period - Self-billing No Funding agency - Billing frequency Monthly Executing agency - Tariff Structure Based on pipe size Nos. of training 0 Domestic 13 mm (1/2") (Tk/month) 75 Name of training (1) - Non-domestic lowest (Tk/month) 125 Name of training (2) - Lowest volumetric charge (Tk/m³) 0 Name of training (3)
Water arrears (Tk) 122,720 Name - Electricity arrears (Tk) 400,000 - Payment methods , Bank Period - Self-billing No Funding agency - Billing frequency Monthly Executing agency - 6. Water Tariff and Metering (See Tariff Database) Training - Tariff Structure Based on pipe size Nos. of training 0 Domestic 13 mm (1/2") (Tk/month) 75 Name of training (1) - Non-domestic lowest (Tk/month) 125 Name of training (2) - Lowest volumetric charge (Tk/m³) 0 Name of training (3) -
Electricity arrears (Tk) 400,000 - Payment methods , Bank Period - Self-billing No Funding agency - Billing frequency Monthly Executing agency - 6. Water Tariff and Metering (See Tariff Database) Training - Tariff Structure Based on pipe size Nos. of training 0 Domestic 13 mm (1/2") (Tk/month) 75 Name of training (1) - Non-domestic lowest (Tk/month) 125 Name of training (2) - Lowest volumetric charge (Tk/m³) 0 Name of training (3) -
Payment methods , Bank Period - Self-billing No Funding agency - Billing frequency Monthly Executing agency - 6. Water Tariff and Metering (See Tariff Database) Training - Tariff Structure Based on pipe size Nos. of training 0 Nos. of Staff 0 Domestic 13 mm (1/2") (Tk/month) 75 Name of training (1) - Non-domestic lowest (Tk/month) 125 Name of training (2) - Lowest volumetric charge (Tk/m³) 0 Name of training (3) -
Payment methods , Bank Period - Self-billing No Funding agency - Billing frequency Monthly Executing agency - 6. Water Tariff and Metering (See Tariff Database) Training - Tariff Structure Based on pipe size Nos. of training 0 Domestic 13 mm (1/2") (Tk/month) 75 Name of training (1) - Non-domestic lowest (Tk/month) 125 Name of training (2) - Lowest volumetric charge (Tk/m³) 0 Name of training (3) -
Self-billing No Funding agency - Billing frequency Monthly Executing agency - 6. Water Tariff and Metering (See Tariff Database) Training - Tariff Structure Based on pipe size Nos. of training 0 Nos. of Staff 0 Domestic 13 mm (1/2") (Tk/month) 75 Name of training (1) - Non-domestic lowest (Tk/month) 125 Name of training (2) - Lowest volumetric charge (Tk/m³) 0 Name of training (3) -
Billing frequency Monthly Executing agency Training Tariff Structure Based on pipe size Nos. of Staff Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) Based on pipe size Nos. of Staff Name of training (1) Name of training (2) Name of training (3)
6. Water Tariff and Metering (See Tariff) Database) Training - Tariff Structure Based on pipe size Nos. of training 0 Nos. of Staff 0 Domestic 13 mm (1/2") (Tk/month) 75 Name of training (1) - Non-domestic lowest (Tk/month) 125 Name of training (2) - Lowest volumetric charge (Tk/m³) 0 Name of training (3) -
Tariff Structure Based on pipe size Nos. of Staff O Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) 125 Lowest volumetric charge (Tk/m³) Non-domestic lowest (Tk/m³) Name of training (2) Name of training (3)
Tariff Structure Based on pipe size Nos. of Staff O Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) 125 Lowest volumetric charge (Tk/m³) Non-domestic lowest (Tk/m³) Name of training (2) Name of training (3)
Nos. of Staff 0 Domestic 13 mm (1/2") (Tk/month) 75 Name of training (1) - Non-domestic lowest (Tk/month) 125 Name of training (2) - Lowest volumetric charge (Tk/m³) 0 Name of training (3) -
Domestic 13 mm (1/2") (Tk/month) 75 Name of training (1) - Non-domestic lowest (Tk/month) 125 Name of training (2) - Lowest volumetric charge (Tk/m³) 0 Name of training (3) -
Non-domestic lowest (Tk/month) 125 Name of training (2) - Lowest volumetric charge (Tk/m³) 0 Name of training (3) -
Lowest volumetric charge (Tk/m³) 0 Name of training (3)
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and the same of th
D. WOII-FIDED WATER SUDDIV AREA
1. Necessity of Piped Water Supply Main treatment method in domestic None, , ,
Necessity of As contaminated wells (Nos.) 500
Piped water Yes Arsenic contaminated water supply (%) 0
Reasons They want to pay fixed amount. % of people using neighbor's well for drinking 10
Problems in non-piped water supply area Iron, Arsenic
Affordability (answered by pourashava staff) 0 3. Potential Water Sources for Non-Piped Water Supply System
Average household income/month (Tk) 8,000 Potential water sources Evaluation WQ problem
Affordability for piped water (Tk/month) 150 Shallow well Moderate Iron
ATT 111 (1) (0)
Deep well lingth to product
2. Exiting Water Sources in Non-Piped Water Supply Area Surface water sources
Source Nos. of source Drinking (%) Domestic (%) Other sources No -
Source Nos. of source Drinking (%) Domestic (%) Other sources No -
Source Nos. of source Drinking (%) Domestic (%) River 0 0 0 O Decrease of ground water level
Source Nos. of source Drinking (%) Domestic (%) Other sources No -
Source Nos. of source Drinking (%) Domestic (%) River 0 0 0 0 Decrease of ground water level
Source Nos. of source Drinking (%) Domestic (%) River 0 0 0 Shallow well 4,000 100 90 Other sources Decrease of ground water level Shallow well (m/year) 1.0

Panchagarh With Piped Water Supply System

A. Pourashava Profile Class Sanitation coverage Division Rangpur Latrine with septic tank (%) 60 District Panchagarh Water sealed slab latrine (%) 20 Year established 1985 Water-related diseases Contact Tel/Fax Tel: 0568-61314 Technical staff (Nos.) E-mail Population (FY2010/2011) 85,535 Financial statements (2010/2011) Nos. of households (FY2010/2011) 28.973.537 Annual budget (Tk) 8.948 Literacy (%) Revenue (Tk) 23.194.652 65 Land area (km²) 22 Expenditure (Tk) 22,039,979 Holding tax management, Accounting, Trade Residential area (km²) 13 Computerization license, Salary payment, Rate schedule and Residential area pop. density (persons/ha) 65 estimate preparation, Engineering, Yearly 90 logical budget preparation, Procurement, Electricity coverage (%) Electricity availability (hrs) Committee formed Summer TLCC /Frequency of meeting Yes, 3 months 5 Winter 16 WATSAN/Frequency of meeting Yes, 4 months B. Key Performance Indicators (Efficiency Indicators) Water supply coverage (%) Metering ratio (%) 0 33 55 Per capita produced water (L/d/ca) 139 Operating ratio (%) Supply Hour (Hrs) 16 Collection ratio in amount (%) 79 Non-revenue water (NRW) (%) Collection period (days) 159 Pipe leakage ratio (point/km) 0.5 Staffs/ 1,000 connections (ratio) Average revenue (Tk/m3 produced) Electricity arrear to annual revenue (%) Average O&M cost (Tk/m3 produced) 1.1 Water supply Pipe leakage ratio coverage (%) (point/km) 8 8 Per capita Electricity arrear Collection ratio in Average O&M cost 6 produced water to annual revenue amount (%) (Tk/m3 produced) (L/d/ca) (%) Staffs/ 1,000 Metering ratio (%) Supply hours (hrs) Operating ratio (%) connections (ratio) Average revenue Collection period (Tk/m3 produced) **Overall performance of Positive Pls Overall performance of Negative PIs** C. Water Supply Profile 1. General Information of Water Supply Section Chlorination points (Nos.) Water section established (year) 1992 PTW IRP/AIRP Piped system introduced (year) 1985 1 Pourashava responsibility O&M, , Part of construction Surface WTP Bulk flow meters (Nos.) 3 Computerization/Automation , Billing, Accounting, Asset Bulk flow meter readings (Nos.) management, , , 3.930 Total production, Summer (m³/day) Staff in water section (Nos.) 15 (2) Distribution In which, staff with diploma or higher 2 Overhead tank n qualification (Nos.) 2. Water Supply System Overhead tanks (Nos.) 1 Operation of water supply facilities Total capacity (m³) 450 In operation (1) Production Distribution network (km): 45.310 Water sources for piped system Groundwater, Leakages in distribution (Nos.) 24 Production tube well (3) O&M Problems Switch board problem PTW (Nos.) Production wells PTW not in operation (Nos.) 2 Decreased capacity Ave. depth (m) 84 Pump Capacity at commission (m³/hrs) 122 Filter clogging faster 90 Treatment plant Ave. current capacity per unit (m³/hrs) Ave. production hours, Summer (hrs/day) 17 Pipe frequently leakage in BM College road Total production, Summer (m³/day) 3.930 Pipeline Teatment plants (Nos.) AIRP 0 Customer water meter IRP 1 No problem 0 Surface water treatment plants House connection 0 Plants not in operation Production of plant n O&M manuals (Nos.) n Total capacity (m³/hrs) O&M assistance form DPHE 250 Yes Production hours, Summer (hrs/day) 16 Annual leakages (Nos.) 24

Leakage detection activity

Yes

Total production (m³/day)

3,500

3. Needs of Rehabilitation and Expansio Rehabilitation Production tube well Treatment plant Distribution potwork		House connection for (1/2") (Tk)	600
Production tube well Treatment plant		House connection fee (1/2") (Tk)	
Treatment plant	Vaa	Tariff adopted year	1997
'	Yes	Tariff setting policy	,,,,,
Distribution naturals	Yes		
Distribution network	Yes	7. Water Quality Monitoring	
Expansion		Water quality monitoring plan	No
Production tube well	Yes	Parameters checked	-
Treatment plant	Yes	Frequency of quality test	_
Distribution network	Yes	Nos. of sampling location /year	_
4. Customer Service (Service indicators)	163		Iron & manganese in water
	_	Water quality problems	non a manganese in water
Coverage area (km²)	7		
Population served (people)	28,226		
Service connections (Nos.)	1,659	8. Problems and Priority Needs	
Domestic	1,640	Major 3 problems	
Public tap/ stand pipe	5	(1)	Low coverage
Public institutions	3		
Commercial & industrial	11	(2)	Insufficient technical &
	0	(2)	management capacity
Others		(0)	
Total	1,659	(3)	Leakage
Metered connections (Nos.)	0		
Applications outstanding (Nos.)	0	Major 3 priority needs	
New connections in 2010/2011 (Nos.)	24	(1)	Distribution network
Average waiting time (days)	7		
Water pressure at the end of network	, Fair, ,	(2)	Increase of tariff rates to cover
Continuity of service (hrs/day)	16	(2)	O&M costs
, , , , , , , , , , , , , , , , , , , ,		(2)	
Customer with 24 hrs supply (%)	0	(3)	Increase of production capacity
Annual complaints (Nos.)	60		
Major complaints		9. Past and On-going Projects and Training	ng
(1) House connection blocked	(1) Past 10 years projects	
		Name	-
(2) Iron in water		_
,-	,	Period	
12) Lankana in nina lina		
(3) Leakage in pipe line	Funding agency	-
		Executing agency	-
5. Financial Information (FY2010/11)		(2) Past 10 years projects	-
Annual budget (Tk)	1,350,000	Name	-
Annual revenue (Tk)	2,861,235		-
Annual expenditure (Tk)	2,802,959	Period	-
Annual O&M Costs (Tk)	1,580,907	Funding agency	_
` '			
Annual billings (Tk)	3,599,350	Executing agency	-
Annual collections (Tk)	2,835,691	On-going projects	-
Water arrears (Tk)	1,244,283	Name	-
Electricity arrears (Tk)	10,450		GOB-UNICEF Project
Payment methods	, Bank	Period	2008-2009 - 201-2012
Self-billing	No	Funding agency	GOB-UNICEF
Billing frequency	Monthly	Executing agency	DPHE
6. Water Tariff and Metering (See Tariff	· '	Training	0
Tariff Structure	· ·		
rann structure	Fixed amount	Nos. of training	0
	la de la companya de	Nos. of Staff	0
Domestic 13 mm (1/2") (Tk/month)	125	Name of training (1)	-
Non-domestic lowest (Tk/month)	300	Name of training (2)	-
Lowest volumetric charge (Tk/m³)	0	Name of training (3)	-
D. Non-Piped Water Supply Area			
		Main treatment mathead in demonst	Poiling
1. Necessity of Piped Water Supply		Main treatment method in domestic	, Boiling, ,
Necessity of	I.,	As contaminated wells (Nos.)	No data
Piped water	Yes	Arsenic contaminated water supply (%)	0
Water meter	Yes	Unhygienic drinking water (%)	10
Danasa :	Due to wastage of water, meter is required.	% of people using neighbor's well for drinking	0
Reasons		Problems in non-piped water supply area	Hand tube wells not available & so
keasons			need more hand tube well,
keasons			
кеasons			
кеasons			
		2.0	lwar o lo
Affordability (answered by pourashava staff)	0	3. Potential Water Sources for Non-Piper	
	0 10,000	3. Potential Water Sources for Non-Piped Potential water sources	Water Supply System Evaluation WQ problems
Affordability (answered by pourashava staff)			
Affordability (answered by pourashava staff) Average household income/month (Tk)	10,000	Potential water sources	Evaluation WQ problems
Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%)	10,000 200 2	Potential water sources Shallow well Deep well	Evaluation WQ problems High Iron, Iron
Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped W	10,000 200 2 /ater Supply Area	Potential water sources Shallow well Deep well Surface water sources	Evaluation WQ problems
Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped W	10,000 200 2	Potential water sources Shallow well Deep well Surface water sources Other sources	Evaluation WQ problems High Iron, Iron
Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped W Source River	10,000 200 2 Vater Supply Area Nos. of source Drinking (%) Domestic (%) 0 0 0	Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level	Evaluation WQ problems High Iron, Iron High Fe, Iron No 0
Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped W Source River Shallow well	10,000 200 2 Vater Supply Area Nos. of source Drinking (%) Domestic (%) 0 0 0 1,500 67 67	Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year)	Evaluation WQ problems High Iron, Iron High Fe, Iron No 0
Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped W Source River Shallow well Deep well	10,000 200 2 Vater Supply Area Nos. of source Drinking (%) Domestic (%) 0 0 0 1,500 67 67 4 33 33	Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year) Deep well (m/year)	Evaluation WQ problems High Iron, Iron High Fe, Iron No 0
Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped W Source River Shallow well	10,000 200 2 Vater Supply Area Nos. of source Drinking (%) Domestic (%) 0 0 0 1,500 67 67	Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year) Deep well (m/year)	Evaluation WQ problems High Iron, Iron High Fe, Iron No 0

Pataukhali With Piped Water Supply System

A. Pourashava Profile Sanitation coverage Class Division **Barisal** Latrine with septic tank (%) 35 Pataukhali Water sealed slab latrine (%) District 60 Year established 1892 Water-related diseases Contact Tel/Fax 0441-62320, 0441-62733, fax-0441-62733, Technical staff (Nos.) E-mail 31 Population (FY2010/2011) 100,000 Financial statements (2010/2011) Nos. of households (FY2010/2011) Annual budget (Tk) 203,132,116 9,323 Literacy (%) 64 Revenue (Tk) 59,941,840 60,797,866 Expenditure (Tk) 14 Land area (km2) Holding tax management, Accounting, Trade Residential area (km²) 9 Computerization license, Salary payment, Rate schedule and Residential area pop. density (persons/ha) 114 estimate preparation, Engineering, Yearly logical budget preparation, Procurement, Electricity coverage (%) 85 Electricity availability (hrs) Committee formed Summer 20 TLCC /Frequency of meeting Yes, 3 months Winter 22 WATSAN/Frequency of meeting No B. Key Performance Indicators (Efficiency Indicators) Water supply coverage (%) 100 60 Metering ratio (%) Per capita produced water (L/d/ca) Operating ratio (%) 76 Supply Hour (Hrs) 20 Collection ratio in amount (%) 82 Non-revenue water (NRW) (%) Collection period (days) 21 Pipe leakage ratio (point/km) 4.3 Staffs/ 1.000 connections (ratio) 8 Average revenue (Tk/m3 produced) Electricity arrear to annual revenue (%) Average O&M cost (Tk/m3 produced) Water supply Pipe leakage ratio (point/km) coverage (%) 10 Per capita Electricity arrear Average O&M Collection ratio in oduced water to annual revenue cost (Tk/m3 amount (%) (L/d/ca) (%) produced) q Staffs/ 1,000 Operating ratio Metering ratio (%) Supply hours (hrs) connections (ratio) Average revenue Collection period (Tk/m3 produced) (days) **Overall performance of Positive PIs Overall performance of Negative Pls** C. Water Supply Profile Chlorination points (Nos.) 1. General Information of Water Supply Section Water section established (year) PTW Piped system introduced (year) 1978 IRP/AIRP 0 O&M,, Part of construction Pourashava responsibility Surface WTP 0 Bulk flow meters (Nos.) 1 Computerization/Automation , Billing, , , , , Bulk flow meter readings (Nos.) Total production, Summer (m³/day) 5,400 Staff in water section (Nos.) (2) Distribution 27 In which, staff with diploma or higher Overhead tank 0 qualification (Nos.) 2. Water Supply System Overhead tanks (Nos.) 2 Operation of water supply facilities 1,200 In operation Total capacity (m³) (1) Production Distribution network (km): 58.000 Water sources for piped system Groundwater, Leakages in distribution (Nos.) 250 (3) O&M Problems Production tube well Re-generation of pumps, PTW (Nos.) Production wells PTW not in operation (Nos.) 0 Repair and Maintenance of pump set and Ave. depth (m) Do not know Pump column pipe Capacity at commission (m³/hrs) 62 Ave. current capacity per unit (m³/hrs) 54 Treatment plant Ave. production hours, Summer (hrs/day) 20 Wash out, Culvert crossing of GI pipe and 5.400 **Pipeline** Total production, Summer (m³/day) leakage in PVC pipe Teatment plants (Nos.) Not working properly AIRP 0 Customer water meter IRP O Jam of pipe fittings, Leaks of pipe. Surface water treatment plants 0 House connection Plants not in operation n Production of plant 0 O&M manuals (Nos.) 0 Total capacity (m³/hrs) O&M assistance form DPHE 0 Yes Production hours, Summer (hrs/day) 0 250 Annual leakages (Nos.) Total production (m³/day) 0 Leakage detection activity No

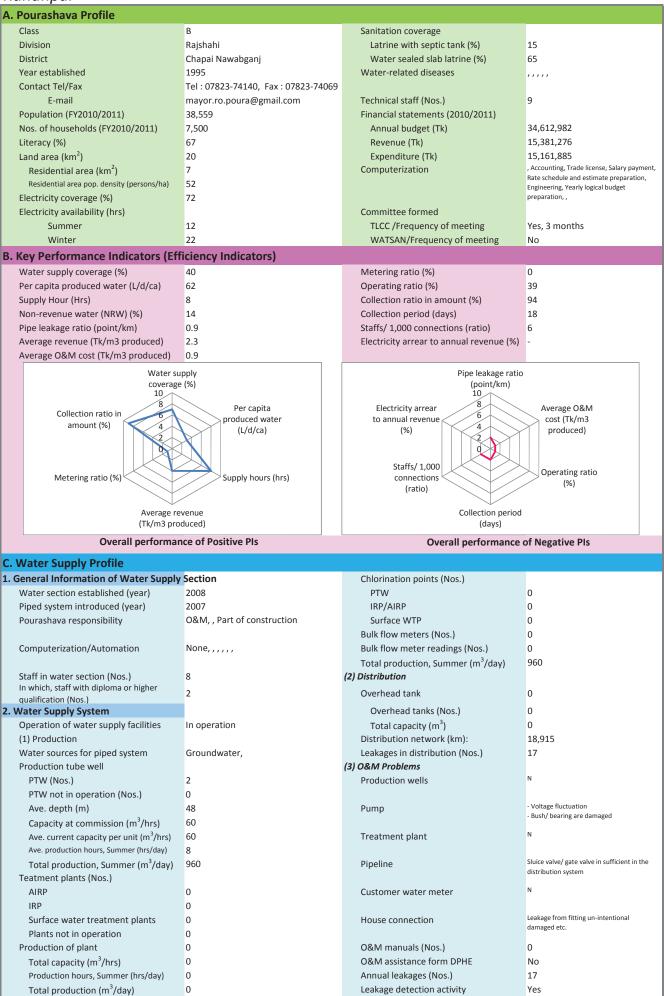
3. Needs of Rehabilitation and Expans	on	House connection fee (1/2") (Tk)	1,000
Rehabilitation		, , , , ,	2004
	.,	Tariff adopted year	
Production tube well	Yes	Tariff setting policy	, Operation cost recovery (O&M
Treatment plant	No		costs), , People's affordability to pay, ,
Distribution network	Yes	7. Water Quality Monitoring	
Expansion		Water quality monitoring plan	Yes
· ·			
Production tube well	Yes	Parameters checked	chlorine
Treatment plant	No	Frequency of quality test	1 month
Distribution network	Yes	Nos. of sampling location /year	2 at OHT location
4. Customer Service (Service indicator		Water quality problems	_
		water quality problems	
Coverage area (km²)	8		
Population served (people)	60,000		
Service connections (Nos.)	3,196	8. Problems and Priority Needs	
Domestic	3,098	•	
		Major 3 problems	
Public tap/ stand pipe	0	(1)	Low coverage
Public institutions	0		
Commercial & industrial	98	(2)	Insufficient technical and
		(-)	managerial capacity
Others	0		
Total	3,196	(3)	Leakage
Metered connections (Nos.)	3,196		
	0	Major 3 priority poods	
Applications outstanding (Nos.)		Major 3 priority needs	
New connections in 2010/2011 (Nos.)	0	(1)	Increase of production capacity
Average waiting time (days)	0		
Water pressure at the end of network	, Fair, ,	(2)	Y/2 (Over head tank-2nos)
		(2)	., = (5 *5:
Continuity of service (hrs/day)	20		
Customer with 24 hrs supply (%)	75	(3)	Treatment plant
Annual complaints (Nos.)	350		
		Q. Doct and On going Duginsts and Turini	na
Major complaints	M., 24	9. Past and On-going Projects and Traini	ig
	1) No 24hr water supply	(1) Past 10 years projects	
		Name	-
	2) Low prossure at upper floor		
	2) Low pressure at upper floor		-
		Period	-
	3) House connection leak and Meter	Funding agency	-
	problem.		
	p. 5510111.	Executing agency	
5. Financial Information (FY2010/11)		(2) Past 10 years projects	-
Annual budget (Tk)	78,897,195	Name	-
Annual revenue (Tk)	16,179,000		_
		0 1 1	
Annual expenditure (Tk)	17,767,300	Period	-
Annual O&M Costs (Tk)	12,245,000	Funding agency	-
Annual billings (Tk)	9,760,633	Executing agency	-
- · · ·			
Annual collections (Tk)	7,972,747	On-going projects	-
Water arrears (Tk)	950,000	Name	-
Electricity arrears (Tk)	0		37 District Town water supply project
Payment methods	, Bank	Period	2011-2013
·			
Self-billing	No	Funding agency	GOB
Billing frequency	Monthly	Executing agency	DPHE
6. Water Tariff and Metering (See Tar	ff Database)	Training	-
Tariff Structure	Metered rate	Nos. of training	0
raini Structure	wietereu rate	<u> </u>	
		Nos. of Staff	0
Domestic 13 mm (1/2") (Tk/month)	0	Name of training (1)	-
		Name of training (2)	_
Non-domestic lowest (Tk/month)	0		
Non-domestic lowest (Tk/month)		J ()	
Lowest volumetric charge (Tk/m³)	10	Name of training (3)	-
		J ()	
Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area		Name of training (3)	None
Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply		Name of training (3) Main treatment method in domestic	None, , ,
Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of	10	Name of training (3) Main treatment method in domestic As contaminated wells (Nos.)	0
Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply		Name of training (3) Main treatment method in domestic	
Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of	10	Name of training (3) Main treatment method in domestic As contaminated wells (Nos.)	0
Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	10 Yes	Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%)	0 0 5
Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water	Yes Yes	Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	0 0 5 40
Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	Yes Yes	Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%)	0 0 5 40 Polluted water, Industrial and Natural
Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	Yes Yes	Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	0 0 5 40
Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	Yes Yes	Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	0 0 5 40 Polluted water, Industrial and Natural
Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	Yes Yes	Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	0 0 5 40 Polluted water, Industrial and Natural
Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons	Yes Yes To save water from waste	Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area	0 0 5 40 Polluted water, Industrial and Natural waste
Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	Yes Yes To save water from waste	Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	0 0 5 40 Polluted water, Industrial and Natural waste
Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons	Yes Yes To save water from waste	Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area	0 0 5 40 Polluted water, Industrial and Natural waste
Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff Average household income/month (Tk)	Yes Yes To save water from waste 0 12,000	Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources	0 0 5 40 Polluted water, Industrial and Natural waste d Water Supply System
Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff Average household income/month (Tk/ Affordability for piped water (Tk/monti	Yes Yes To save water from waste 0 0 12,000 300	Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well	0 0 5 40 Polluted water, Industrial and Natural waste d Water Supply System Evaluation WQ problems
Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff Average household income/month (Tk)	Yes Yes To save water from waste 0 12,000	Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources	0 0 5 40 Polluted water, Industrial and Natural waste d Water Supply System
Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff Average household income/month (Tk/ Affordability for piped water (Tk/montiva fordable price in total household income (%)	Yes Yes Yes To save water from waste 10 11 12,000 12,000 13 13	Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well	0 0 5 40 Polluted water, Industrial and Natural waste d Water Supply System Evaluation WQ problems
Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff Average household income/month (Tk, Affordability for piped water (Tk/mont) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped	Yes Yes Yes To save water from waste 0	Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources	0 0 5 40 Polluted water, Industrial and Natural waste d Water Supply System Evaluation WQ problems High No Moderate Polluted
Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff Average household income/month (Tk, Affordability for piped water (Tk/mont) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Source	Yes Yes Yes To save water from waste 10 12,000 12,000 3 Water Supply Area Nos. of source Drinking (%) Domestic (%)	Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources	0 0 5 40 Polluted water, Industrial and Natural waste d Water Supply System Evaluation WQ problems High No
Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff Average household income/month (Tk, Affordability for piped water (Tk/mont) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped	Yes Yes Yes To save water from waste 0	Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources	0 0 5 40 Polluted water, Industrial and Natural waste d Water Supply System Evaluation WQ problems High No Moderate Polluted
Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff Average household income/month (Tk, Affordability for piped water (Tk/mont) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Source River	Yes Yes Yes To save water from waste 10 12,000 12,000 3 Water Supply Area Nos. of source Drinking (%) Domestic (%) 2 0 2	Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level	0 0 5 40 Polluted water, Industrial and Natural waste d Water Supply System Evaluation WQ problems High No Moderate Polluted
Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff Average household income/month (Tk, Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Source River Shallow well	Yes Yes Yes To save water from waste 10 12,000 12,000 3 Water Supply Area Nos. of source 2 0 0 0 0	Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year)	0 0 5 40 Polluted water, Industrial and Natural waste d Water Supply System Evaluation WQ problems High No Moderate Polluted No -
Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff Average household income/month (Tk, Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Source River Shallow well Deep well	Yes Yes Yes To save water from waste 10 12,000 12,000 3 Water Supply Area Nos. of source Drinking (%) Domestic (%) 2 0 20 0 0 0 425 100 3	Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year) Deep well (m/year)	0 0 5 40 Polluted water, Industrial and Natural waste d Water Supply System Evaluation WQ problems High No Moderate Polluted
Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff Average household income/month (Tk, Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Source River Shallow well	Yes Yes Yes To save water from waste 10 12,000 12,000 3 Water Supply Area Nos. of source	Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year) Deep well (m/year)	0 0 5 40 Polluted water, Industrial and Natural waste d Water Supply System Evaluation WQ problems High No Moderate Polluted No -

Patharghata With Piped Water Supply System

A. Pourashava Profile			
	D	Conitation coverage	
Class	В	Sanitation coverage	_
Division	Barisal	Latrine with septic tank (%)	7
District	Barguna	Water sealed slab latrine (%)	60
Year established	1990	Water-related diseases	,,,,,
Contact Tel/Fax	04455-75366		
E-mail	patharghata.pourashava@gmail.com	Technical staff (Nos.)	5
		, ,	
Population (FY2010/2011)	18,183	Financial statements (2010/2011)	
Nos. of households (FY2010/2011)	4,806	Annual budget (Tk)	20,002,000
Literacy (%)	70	Revenue (Tk)	17,835,545
Land area (km²)	13	Expenditure (Tk)	18,948,000
Residential area (km²)	5	Computerization	, , , Salary payment, Rate schedule and
Residential area pop. density (persons/ha)	35		estimate preparation, , Yearly logical budget
			preparation, Procurement,
Electricity coverage (%)	70		
Electricity availability (hrs)		Committee formed	
Summer	14	TLCC /Frequency of meeting	Yes, 1 month
Winter	18	WATSAN/Frequency of meeting	No
		The state of the s	
3. Key Performance Indicators (Ef	riciency indicators)		
Water supply coverage (%)	44	Metering ratio (%)	80
Per capita produced water (L/d/ca)	63	Operating ratio (%)	105
Supply Hour (Hrs)	7	Collection ratio in amount (%)	72
		Collection period (days)	104
Non-revenue water (NRW) (%)	2.2		
Pipe leakage ratio (point/km)	2.3	Staffs/ 1,000 connections (ratio)	11
Average revenue (Tk/m3 produced)	12.5	Electricity arrear to annual revenue (%)	3
Average O&M cost (Tk/m3 produced)	13.2		
Water su	nnly	Pipe leakage ratio	
coverage		(point/km)	
10	(70)	10	
8.4	Per capita	Electricity arrear 8	Average O&M
Collection ratio in	produced water	to annual revenue 6	cost (Tk/m3
amount (%)	(L/d/ca)	(%)	produced)
2	(2, 4, 64,	(70)	/ produced)
d			/
			/
		Staffe/ 1 000	/
	Supply hours (hrs)	Staffs/ 1,000	Operating ratio
Metering ratio (%)	Supply hours (hrs)	connections	Operating ratio (%)
	Supply hours (hrs)		
Metering ratio (%)		connections (ratio)	
Metering ratio (%) Average re	venue	connections (ratio) Collection period	
Metering ratio (%) Average re (Tk/m3 pro	venue duced)	connections (ratio) Collection period (days)	(%)
Metering ratio (%) Average re	venue duced)	connections (ratio) Collection period	(%)
Average re (Tk/m3 pro	venue duced)	connections (ratio) Collection period (days)	(%)
Average re (Tk/m3 pro Overall performance. Water Supply Profile	venue duced) nce of Positive PIs	connections (ratio) Collection period (days) Overall performance	(%)
Average re (Tk/m3 pro Overall performance. Water Supply Profile General Information of Water Supply	venue duced) nce of Positive PIs	Connections (ratio) Collection period (days) Overall performance Chlorination points (Nos.)	of Negative PIs
Average re (Tk/m3 pro Overall performance. Water Supply Profile	venue duced) nce of Positive PIs	connections (ratio) Collection period (days) Overall performance	(%)
Average re (Tk/m3 pro Overall performance. Water Supply Profile General Information of Water Supply	venue duced) nce of Positive PIs	Connections (ratio) Collection period (days) Overall performance Chlorination points (Nos.)	of Negative PIs
Average re (Tk/m3 pro Overall performance C. Water Supply Profile L. General Information of Water Supply Water section established (year) Piped system introduced (year)	venue duced) nce of Positive PIs Section 2005	Connections (ratio) Collection period (days) Overall performance Chlorination points (Nos.) PTW	of Negative PIs
Average re (Tk/m3 pro Overall performation C. Water Supply Profile L. General Information of Water Supply Water section established (year)	venue duced) nce of Positive PIs Section 2005 2006	Connections (ratio) Collection period (days) Overall performance Chlorination points (Nos.) PTW IRP/AIRP Surface WTP	of Negative PIs 3 0 0
Average re (Tk/m3 pro Overall performant C. Water Supply Profile L. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility	venue duced) nce of Positive PIs Section 2005 2006 O&M, , Part of construction	Collection period (days) Overall performance Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.)	of Negative PIs 3 0 0 3
Average re (Tk/m3 pro Overall performance C. Water Supply Profile L. General Information of Water Supply Water section established (year) Piped system introduced (year)	Section 2005 2006 O&M,, Part of construction ,,,,,, Reporting Letter and	Collection period (days) Overall performance Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.)	of Negative PIs 3 0 0 3 3 3
Average re (Tk/m3 pro Overall performation C. Water Supply Profile B. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation	Section 2005 2006 O&M, , Part of construction ,,,,, Reporting Letter and Document Writing	Collection period (days) Overall performance Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day)	of Negative PIs 3 0 0 3
Average re (Tk/m3 pro Overall performation C. Water Supply Profile General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.)	Section 2005 2006 O&M,, Part of construction ,,,,,, Reporting Letter and	Collection period (days) Overall performance Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.)	of Negative PIs 3 0 0 3 3 3
Average re (Tk/m3 pro Overall performation C. Water Supply Profile General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher	Section 2005 2006 O&M, , Part of construction ,,,,, Reporting Letter and Document Writing	Collection period (days) Overall performance Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day)	of Negative PIs 3 0 0 3 3 3
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Average re (Tk/m3 pro Overall performation C. Water Supply Profile General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.)	venue duced) nce of Positive PIs Section 2005 2006 0&M, , Part of construction ,,,,,, Reporting Letter and Document Writing 9	Collection period (days) Overall performance Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank	(%) of Negative PIs 3 0 0 3 3 500 0
Average re (Tk/m3 pro Overall performation C. Water Supply Profile General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) Water Supply System	venue duced) nce of Positive PIs Section 2005 2006 O&M, , Part of construction ,,,,, Reporting Letter and Document Writing 9 2	Collection period (days) Overall performance Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.)	(%) of Negative PIs 3 0 0 3 3 500 0 0
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Average re (Tk/m3 pro Overall performation C. Water Supply Profile General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs) Ave. current capacity per unit (m³/hrs) Ave. production hours, Summer (hrs/day)	venue duced) nce of Positive PIs Section 2005 2006 O&M, , Part of construction ,,,,,, Reporting Letter and Document Writing 9 2 In operation Groundwater, 3 0 310 17 17	Collection period (days) Overall performance Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells Pump Treatment plant	of Negative PIs 3 0 0 3 3 500 0 0 6,575 15 - Burning of pump due to voltage fluctuation.
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Average re (Tk/m3 pro Overall performation C. Water Supply Profile I. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs) Ave. current capacity per unit (m³/hrs) Ave. production hours, Summer (hrs/day) Total production, Summer (m³/day) Teatment plants (Nos.) AIRP IRP Surface water treatment plants Plants not in operation Production of plant Total capacity (m³/hrs)	In operation Groundwater, 3 0 310 17 17 10 500 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Collection period (days) Overall performance Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells Pump Treatment plant Pipeline Customer water meter House connection O&M manuals (Nos.) O&M assistance form DPHE	of Negative PIs 3 0 0 0 3 3 500 0 0 0 6,575 15 - Burning of pump due to voltage fluctuation Long distance and bending problem Due to vapor several meters are disorder 5 No
Average re (Tk/m3 pro Overall performation C. Water Supply Profile I. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs) Ave. current capacity per unit (m³/hrs) Ave. production hours, Summer (hrs/day) Total production, Summer (m³/day) Teatment plants (Nos.) AIRP IRP Surface water treatment plants Plants not in operation Production of plant	In operation Groundwater, 3 0 310 17 17 10 500 0 0 0 0 0 0 0 0 0 0 0 0 0	Collection period (days) Overall performance Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells Pump Treatment plant Pipeline Customer water meter House connection O&M manuals (Nos.)	of Negative PIs 3 0 0 0 3 3 500 0 0 0 6,575 15 - Burning of pump due to voltage fluctuation Long distance and bending problem Due to vapor several meters are disorder 5

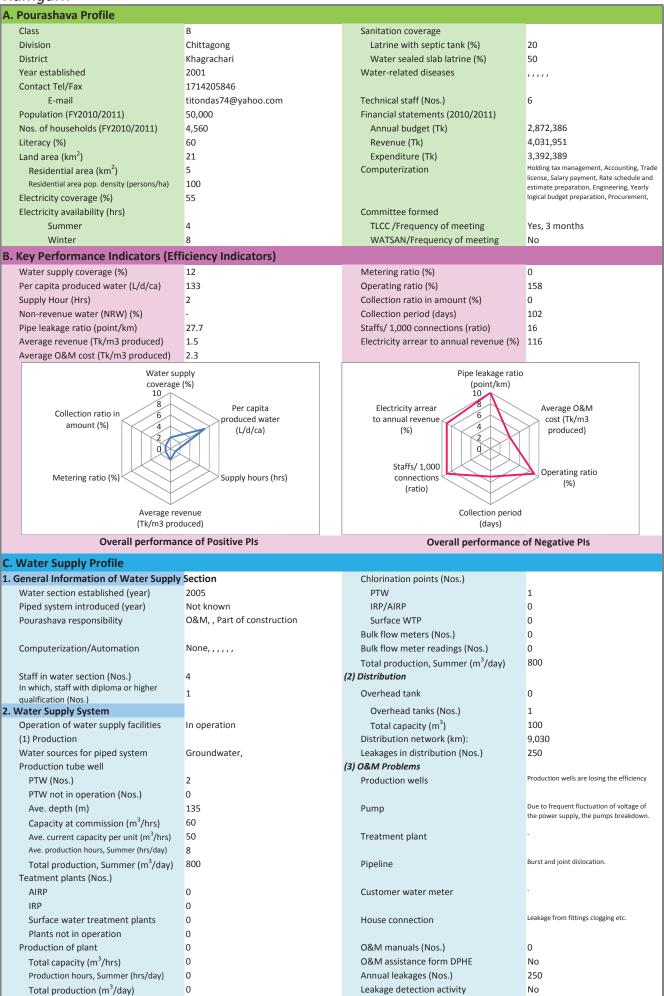
3. Needs of Rehabilitation and Expansio	n	House connection fee (1/2") (Tk)	200
Rehabilitation	•	* * * * * * * * * * * * * * * * * * * *	200
		Tariff adopted year	Occastica cost secretary (ORM costs) Booklets
Production tube well	Yes	Tariff setting policy	, Operation cost recovery (O&M costs), , People's affordability to pay, Ensuring water supply for
Treatment plant	No		socially vulnerable people,
Distribution network	Yes	7. Water Quality Monitoring	
Expansion		Water quality monitoring plan	No
Production tube well	Yes	Parameters checked	-
Treatment plant	No	Frequency of quality test	_
Distribution network	Yes	Nos. of sampling location /year	
	res		Few Fe and Chloride (Saline) is found
4. Customer Service (Service indicators)		Water quality problems	in water.
Coverage area (km²)	8		Hateri
Population served (people)	8,000		
Service connections (Nos.)	797	8. Problems and Priority Needs	
Domestic	761	Major 3 problems	
Public tap/ stand pipe	13	(1)	Insufficient technical and
Public institutions	14	()	managerial capacity.
Commercial & industrial	9	(2)	Low coverage and low
		(2)	treatment technology.
Others	0	(0)	
Total	797	(3)	Leakage, Water quality
Metered connections (Nos.)	634		problems.
Applications outstanding (Nos.)	0	Major 3 priority needs	
New connections in 2010/2011 (Nos.)	0	(1)	Y/1 (Over Head Tank)
Average waiting time (days)	0	· ,	
Water pressure at the end of network	,,Low,	(2)	Expansion and replacement of
	7	(2)	network
Continuity of service (hrs/day)			
Customer with 24 hrs supply (%)	0	(3)	Installation of house meters to
Annual complaints (Nos.)	1,460		all consumers
Major complaints		9. Past and On-going Projects and Traini	ng
(1)	Customers of ward no.9 don't get	(1) Past 10 years projects	
	sufficient water due to lack of water	Name	-
(2)	Almost all the customers don't get		_
(2)	water in the morning and afternoon	Period	
(2)	-		-
(3)	Customers don't get sufficient water	Funding agency	-
	for the absence of over head tank.	Executing agency	-
5. Financial Information (FY2010/11)		(2) Past 10 years projects	-
Annual budget (Tk)	4,425,000	Name	DPHE-DANIDA Water Supply and Sanitation in Coastal Belt Project
Annual revenue (Tk)	2,284,158		-
Annual expenditure (Tk)	2,818,893	Period	DPHE-DANIDA Water Supply and Sanitation in Coastal Belt Project
Annual O&M Costs (Tk)	2,404,893	Funding agency	2008-2009
` ′			DANIDA
Annual billings (Tk)	2,450,190	Executing agency	
Annual collections (Tk)	1,771,299	On-going projects	SANGRAM(NGO)
Water arrears (Tk)	650,000	Name	-
Electricity arrears (Tk)	72,000		-
Payment methods	, Bank	Period	-
Self-billing	No	Funding agency	-
Billing frequency	Monthly	Executing agency	_
	· ·		
6. Water Tariff and Metering (See Tariff	· ·	Training	0
Tariff Structure	Fixed amount	Nos. of training	0
		Nos. of Staff	0
Domestic 13 mm (1/2") (Tk/month)	200	Name of training (1)	-
Non-domestic lowest (Tk/month)	0	Name of training (2)	-
Lowest volumetric charge (Tk/m ³)	15	Name of training (3)	-
D. Non-Piped Water Supply Area			
		NA-to-horsely at the terminal	News
1. Necessity of Piped Water Supply		Main treatment method in domestic	None, , ,
Necessity of		As contaminated wells (Nos.)	0
Piped water	Yes	Arsenic contaminated water supply (%)	0
Water meter	Yes	Unhygienic drinking water (%)	80
Reasons	To save the wastage of water, To increase revenue	% of people using neighbor's well for drinking	40
110030113			Delluted and Habitain Facility
110030113	income.	Problems in non-piped water supply area	Polluted and Unnyglenic., Few Fe was
Neusons		Problems in non-piped water supply area	Polluted and Unhygienic., Few Fe was found in water.
1.00013		Problems in non-piped water supply area	
incusoris		Problems in non-piped water supply area	
	income.		found in water.
Affordability (answered by pourashava staff)		Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe	found in water.
	income.		found in water.
Affordability (answered by pourashava staff)	0 12,000	3. Potential Water Sources for Non-Pipe	found in water. d Water Supply System
Affordability (answered by pourashava staff) Average household income/month (Tk)	0 12,000	3. Potential Water Sources for Non-Pipe Potential water sources Shallow well	d Water Supply System Evaluation WQ problems Moderate Iron and Salinity
Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%)	0 12,000 250 2	3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well	d Water Supply System Evaluation WQ problems Moderate Iron and Salinity Can't evalu-
Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped V	0 12,000 250 2 /ater Supply Area	3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources	d Water Supply System Evaluation WQ problems Moderate Iron and Salinity Can't evalu- Moderate Polluted and Salinity
Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped V Source	o 12,000 250 2 ater Supply Area Nos. of source Drinking (%) Domestic (%)	3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources	d Water Supply System Evaluation WQ problems Moderate Iron and Salinity Can't evalu-
Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped V Source River	1	3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level	d Water Supply System Evaluation WQ problems Moderate Iron and Salinity Can't evalu- Moderate Polluted and Salinity No -
Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped V Source River Shallow well	0	3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year)	d Water Supply System Evaluation WQ problems Moderate Iron and Salinity Can't evalu- Moderate Polluted and Salinity No -
Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped V Source River	1	3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year)	d Water Supply System Evaluation WQ problems Moderate Iron and Salinity Can't evalu- Moderate Polluted and Salinity No -
Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped V Source River Shallow well	0	3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year) Deep well (m/year)	d Water Supply System Evaluation WQ problems Moderate Iron and Salinity Can't evalu- Moderate Polluted and Salinity No -
Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped W Source River Shallow well Deep well	0	3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year) Deep well (m/year)	d Water Supply System Evaluation WQ problems Moderate Iron and Salinity Can't evalu- Moderate Polluted and Salinity No -

Rahanpur With Piped Water Supply System



3. Needs of Rehabilitation and Expansi	an .	House connection fee (1/2") (Tk)	515
Rehabilitation	Sh .		2008
	No	Tariff adopted year	Full cost recovery, , , , ,
Production tube well	No No	Tariff setting policy	
Treatment plant		7 Water Overline Manufacture	
Distribution network	No	7. Water Quality Monitoring	NI -
Expansion		Water quality monitoring plan	No
Production tube well	Yes	Parameters checked	-
Treatment plant	No	Frequency of quality test	-
Distribution network	Yes	Nos. of sampling location /year	-
4. Customer Service (Service indicators)	Water quality problems	-
Coverage area (km²)	7		
Population served (people)	15,500		
Service connections (Nos.)	1,355	8. Problems and Priority Needs	
Domestic	1,225	Major 3 problems	
Public tap/ stand pipe	45		Low coverage water supply
		(1)	Low coverage water supply
Public institutions	0	(2)	1 6
Commercial & industrial	85	(2)	Less financial resources for
Others	0		development facilities
Total	1,355	(3)	In sufficient technical capacity
Metered connections (Nos.)	0		
Applications outstanding (Nos.)	0	Major 3 priority needs	
New connections in 2010/2011 (Nos.)	0	(1)	Increase of production capacity
Average waiting time (days)	0	. ,	· '
Water pressure at the end of network	Good, , ,	(2)	Reduction of leakage
Continuity of service (hrs/day)	8	(2)	
	0	(2)	Reduction of NRW
Customer with 24 hrs supply (%)		(3)	NEGUCTION OF INNW
Annual complaints (Nos.)	25-30	0.000	
Major complaints		9. Past and On-going Projects and Traini	ng
(1) Low coverage area	(1) Past 10 years projects	
		Name	-
(**	2) No 24 hours supply		-
		Period	-
	3) More connection needed	Funding agency	-
· ·	,	Executing agency	_
E Financial Information (EV2010/11)			
5. Financial Information (FY2010/11)	CEE 000	(2) Past 10 years projects	-
Annual budget (Tk)	655,000	Name	-
Annual revenue (Tk)	808,838		-
Annual expenditure (Tk)	313,107	Period	-
Annual O&M Costs (Tk)	313,107	Funding agency	-
Annual billings (Tk)	688,492	Executing agency	-
Annual collections (Tk)	647,618	On-going projects	-
Water arrears (Tk)	40,874	Name	-
Electricity arrears (Tk)	No data		Installation of pipe line/ supply and installation pipe line and repair maintenance in Ward no. 2, 3 & 6.
Payment methods	Pourashava office,	Period	2010-2012
Self-billing	No	Funding agency	Annual Development Program
· ·			' "
Billing frequency	Monthly	Executing agency	Pourashava
6. Water Tariff and Metering (See Tari	•	Training	
Tariff Structure	Based on pipe size	Nos. of training	3
		Nos. of Staff	5
Domestic 13 mm (1/2") (Tk/month)	60	Name of training (1)	Billing system of computer entry system
Non-domestic lowest (Tk/month)	360	Name of training (2)	Basic computer training
Lowest volumetric charge (Tk/m ³)	0	Name of training (3)	Double entry system
D. Non-Piped Water Supply Area			
		Main troots and mother discussed	None
1. Necessity of Piped Water Supply		Main treatment method in domestic	None, , ,
Necessity of	.	As contaminated wells (Nos.)	No data
Piped water	Yes	Arsenic contaminated water supply (%)	No data
Water meter		11.1	Do not know
Reasons	Yes	Unhygienic drinking water (%)	
	- By know how much water we produced and how	Unnygienic drinking water (%) % of people using neighbor's well for drinking	24
	- By know how much water we produced and how much delivered to customers	, ,	24 In sufficient supply, In the shallow &
	- By know how much water we produced and how	% of people using neighbor's well for drinking	In sufficient supply, In the shallow & deep wells depth not more than 45-
	By know how much water we produced and how much delivered to customers Customers pay the bill according to water	% of people using neighbor's well for drinking	In sufficient supply, In the shallow & deep wells depth not more than 45-50m. Since the bottom layer is stone
	By know how much water we produced and how much delivered to customers Customers pay the bill according to water	% of people using neighbor's well for drinking	In sufficient supply, In the shallow & deep wells depth not more than 45-50m. Since the bottom layer is stone found and no way digging for more
Affordability (answard by acceptance of 6	By know how much water we produced and how much delivered to customers Customers pay the bill according to water consumed.	% of people using neighbor's well for drinking Problems in non-piped water supply area	In sufficient supply, In the shallow & deep wells depth not more than 45-50m. Since the bottom layer is stone found and no way digging for more depth.
Affordability (answered by pourashava staff)	- By know how much water we produced and how much delivered to customers - Customers pay the bill according to water consumed. 0	% of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe	In sufficient supply, In the shallow & deep wells depth not more than 45-50m. Since the bottom layer is stone found and no way digging for more depth.
Average household income/month (Tk)	- By know how much water we produced and how much delivered to customers - Customers pay the bill according to water consumed. 0 12,000	% of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources	In sufficient supply, In the shallow & deep wells depth not more than 45-50m. Since the bottom layer is stone found and no way digging for more depth. d Water Supply System Evaluation WQ problems
Average household income/month (Tk) Affordability for piped water (Tk/month	- By know how much water we produced and how much delivered to customers - Customers pay the bill according to water consumed. 0 12,000 160	% of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well	In sufficient supply, In the shallow & deep wells depth not more than 45-50m. Since the bottom layer is stone found and no way digging for more depth. d Water Supply System Evaluation WQ problems Moderate N
Average household income/month (Tk)	- By know how much water we produced and how much delivered to customers - Customers pay the bill according to water consumed. 0 12,000	% of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well	In sufficient supply, In the shallow & deep wells depth not more than 45-50m. Since the bottom layer is stone found and no way digging for more depth. d Water Supply System Evaluation WQ problems Moderate N High No problem / No data for arsenic wells
Average household income/month (Tk) Affordability for piped water (Tk/month	- By know how much water we produced and how much delivered to customers - Customers pay the bill according to water consumed. 0 12,000 10 11	% of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well	In sufficient supply, In the shallow & deep wells depth not more than 45-50m. Since the bottom layer is stone found and no way digging for more depth. d Water Supply System Evaluation WQ problems Moderate N
Average household income/month (Tk) Affordability for piped water (Tk/month Affordable price in total household income (%)	- By know how much water we produced and how much delivered to customers - Customers pay the bill according to water consumed. 0 12,000 10 11	% of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well	In sufficient supply, In the shallow & deep wells depth not more than 45-50m. Since the bottom layer is stone found and no way digging for more depth. d Water Supply System Evaluation WQ problems Moderate N High No problem / No data for arsenic wells
Average household income/month (Tk) Affordability for piped water (Tk/month Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped	- By know how much water we produced and how much delivered to customers - Customers pay the bill according to water consumed. 0 12,000 10 11 Water Supply Area	% of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources	In sufficient supply, In the shallow & deep wells depth not more than 45-50m. Since the bottom layer is stone found and no way digging for more depth. d Water Supply System Evaluation WQ problems Moderate N High No problem / No data for arsenic wells High Turbidity and other river water pollution
Average household income/month (Tk) Affordability for piped water (Tk/month Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Source River	- By know how much water we produced and how much delivered to customers - Customers pay the bill according to water consumed. 0	% of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level	In sufficient supply, In the shallow & deep wells depth not more than 45-50m. Since the bottom layer is stone found and no way digging for more depth. d Water Supply System Evaluation
Average household income/month (Tk) Affordability for piped water (Tk/month Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Source River Shallow well	- By know how much water we produced and how much delivered to customers - Customers pay the bill according to water consumed. 0	% of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year)	In sufficient supply, In the shallow & deep wells depth not more than 45-50m. Since the bottom layer is stone found and no way digging for more depth. d Water Supply System Evaluation WQ problems Moderate N High No problem / No data for arsenic wells High Turbidity and other river water pollution
Average household income/month (Tk) Affordability for piped water (Tk/month Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Source River Shallow well Deep well	- By know how much water we produced and how much delivered to customers - Customers pay the bill according to water consumed. 0 12,000 60 1 Water Supply Area Nos. of source Drinking (%) Domestic (%) 2 0 25 629 95 60 38 5 0	% of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year) Deep well (m/year)	In sufficient supply, In the shallow & deep wells depth not more than 45-50m. Since the bottom layer is stone found and no way digging for more depth. d Water Supply System Evaluation WQ problems Moderate N High No problem / No data for arsenic wells High Turbidity and other river water pollution Yes -
Average household income/month (Tk) Affordability for piped water (Tk/month Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Source River Shallow well	- By know how much water we produced and how much delivered to customers - Customers pay the bill according to water consumed. 0	% of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year) Deep well (m/year)	In sufficient supply, In the shallow & deep wells depth not more than 45-50m. Since the bottom layer is stone found and no way digging for more depth. d Water Supply System Evaluation WQ problems Moderate N High No problem / No data for arsenic wells High Turbidity and other river water pollution Yes -

Ramgarh With Piped Water Supply System



Production tube well	ł	House connection fee (1/2") (Tk)	500
		Tariff adopted year	2006
	Yes	Tariff setting policy	, , Demand management, , , Inflation
Treatment plant	No		adjustment
' '	Yes	7. Water Quality Monitoring	
	163		No
Expansion		Water quality monitoring plan	No
Production tube well	Yes	Parameters checked	-
Treatment plant	No	Frequency of quality test	-
Distribution network	No	Nos. of sampling location /year	-
4. Customer Service (Service indicators)		Water quality problems	The water contains iron in this area.
,	ca.	water quality problems	The Mater contains non-in-tins area.
Coverage area (km²)	62		
Population served (people)	6,000		
Service connections (Nos.)	250	8. Problems and Priority Needs	
	212	Major 3 problems	
			Lass financial reserves
17 11	3	(1)	Less financial resources
Public institutions	15		
Commercial & industrial	20	(2)	Low coverage of water supply
Others	0		
		(2)	Aging facilities
	250	(3)	Aging facilities
Metered connections (Nos.)	0		
Applications outstanding (Nos.)	0	Major 3 priority needs	
	0		Increase of production capacity
	0	(1)	production capacity
3 - 3 - 3 - 3 (3 - 7 - 7)			lanara of .
Water pressure at the end of network ,	, , Low,	(2)	Increase of water pressure
Continuity of service (hrs/day)	2		
	0	(3)	Expansion and replacement of
	30	(3)	network
	30		
Major complaints		9. Past and On-going Projects and Traini	ng
(1)	Less water supply at the end of the	(1) Past 10 years projects	
	network	Name	-
(2)	No 24hrs continuous supply		
(2)	NO 241113 CONTINUOUS SUPPLY		
		Period	-
(3)	-	Funding agency	-
		Executing agency	-
5. Financial Information (FY2010/11)			
		(2) Past 10 years projects	
Annual budget (Tk)	444,420	Name	-
Annual revenue (Tk)	429,420		-
Annual expenditure (Tk)	680,184	Period	-
	680,184	Funding agency	_
5 , ,	536,895	Executing agency	-
Annual collections (Tk)	0	On-going projects	-
Water arrears (Tk)	120,000	Name	-
` '	500,000		_
		D 1 1	
	, Bank	Period	-
Self-billing \	Yes	Funding agency	-
Billing frequency	Monthly	Executing agency	-
6. Water Tariff and Metering (See Tariff I	,	Training	-
		· · · · · · · · · · · · · · · · · · ·	0
Tariff Structure	Based on pipe size	Nos. of training	0
		Nos. of Staff	0
Domestic 13 mm (1/2") (Tk/month)	125	Name of training (1)	-
Non-domestic lowest (Tk/month)	500	Name of training (2)	-
\ ' ' '	0	- · · ·	
zamata ratamata ananga (mym y	<u> </u>	Name of training (3)	
D. Non-Piped Water Supply Area			
1. Necessity of Piped Water Supply		Main treatment method in domestic	None, , ,
Necessity of		As contaminated wells (Nos.)	0
'	Vaa	` '	
· ·	Yes	Arsenic contaminated water supply (%)	Do not know
Water meter	Yes	Unhygienic drinking water (%)	Do not know
Reasons	To reduce wastage of water in the household.	% of people using neighbor's well for drinking	20
		Problems in non-piped water supply area	Iron,
		Troblems in non-piped water supply area	,
Affordability (answered by pourashava staff)	0	3. Potential Water Sources for Non-Pipe	d Water Supply System
Average household income/month (Tk)	5,000	Potential water sources	Evaluation WQ problems
	150	Shallow well	Moderate Do not know
Affordability for piped water (Tk/month)	3	Deep well	High Iron
		Surface water sources	Moderate turbidity
Affordable price in total household income (%)			
Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Water Sources in		Other sources	
Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Water Source	Nos. of source Drinking (%) Domestic (%)	Other sources	No -
Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Water Sources in			NO -
Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Water Source	Nos. of source Drinking (%) Domestic (%)	Decrease of ground water level	0.5
Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Water Source River Shallow well	Nos. of source Drinking (%) Domestic (%) 1 0 5 500 90 20	Decrease of ground water level Shallow well (m/year)	0.5
Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Water Source River Shallow well Deep well	Nos. of source Drinking (%) Domestic (%) 1 0 5 500 90 20 20 5 5	Decrease of ground water level Shallow well (m/year) Deep well (m/year)	
Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Water Source River Shallow well	Nos. of source Drinking (%) Domestic (%) 1 0 5 500 90 20	Decrease of ground water level Shallow well (m/year) Deep well (m/year)	0.5

Parbatipur With Piped Water Supply System

A. Pourashava Profile Class Sanitation coverage Division Rangpur Latrine with septic tank (%) 35 45 District Dinajpur Water sealed slab latrine (%) Year established 1972 Water-related diseases , Diarrhea, , , Dysentery, Contact Tel/Fax Tel: 05334-74206 Fax: 05334-74414 Technical staff (Nos.) E-mail menhaz786@gmail.com 10 Population (FY2010/2011) 60,215 Financial statements (2010/2011) 0 Nos. of households (FY2010/2011) 84.075.574 7,010 Annual budget (Tk) 65 Revenue (Tk) 33.075.574 Literacy (%) Land area (km²) 11 Expenditure (Tk) 32,285,574 Holding tax management, Accounting, Trade Residential area (km²) 6 Computerization license, , Rate schedule and estimate preparation, Residential area pop. density (persons/ha) 101 Engineering, Yearly logical budget preparation, , Electricity coverage (%) 80 Electricity availability (hrs) Committee formed Summer 18 Yes, 3 months TLCC /Frequency of meeting Winter 22 WATSAN/Frequency of meeting Yes, 3 months **B. Key Performance Indicators (Efficiency Indicators)** Water supply coverage (%) Metering ratio (%) Per capita produced water (L/d/ca) Operating ratio (%) Supply Hour (Hrs) No water supply service Collection ratio in amount (%) Non-revenue water (NRW) (%) Collection period (days) Pipe leakage ratio (point/km) Staffs/ 1,000 connections (ratio) Average revenue (Tk/m3 produced) Electricity arrear to annual revenue (%) Average O&M cost (Tk/m3 produced) Water supply Pipe leakage ratio coverage (%) (point/km) 8 8 Per capita Electricity arrear Collection ratio in Average O&M cost 6 6 produced water to annual revenue amount (%) (Tk/m3 produced) 4 4 (L/d/ca) (%) 9 0 Staffs/ 1,000 Metering ratio (%) Supply hours (hrs) Operating ratio (%) connections (ratio) Collection period Average revenue (Tk/m3 produced) (days) **Overall performance of Positive PIs Overall performance of Negative Pls** C. Water Supply Profile 1. General Information of Water Supply Section Chlorination points (Nos.) Water section established (year) Not formed PT\// 0 Piped system introduced (year) 1994 IRP/AIRP 0 Surface WTP 0 Pourashava responsibility Bulk flow meters (Nos.) 5 None, , , , , , No billing system as the Computerization/Automation Bulk flow meter readings (Nos.) 0 Water Supply System is not Total production, Summer (m³/day) 0 Staff in water section (Nos.) 0 (2) Distribution In which, staff with diploma or higher 0 Overhead tank 0 qualification (Nos.) 2. Water Supply System Overhead tanks (Nos.) 0 Operation of water supply facilities Not in operation Total capacity (m³) 0 (1) Production Distribution network (km): 15,150 Water sources for piped system Groundwater, Leakages in distribution (Nos.) (3) O&M Problems Production tube well No water production PTW (Nos.) 6 Production wells PTW not in operation (Nos.) 6 No power supply at bus terminal Ave. depth (m) 64 Pump 86 Capacity at commission (m³/hrs) Treatment plant Ave. current capacity per unit (m³/hrs) 0 Ave. production hours, Summer (hrs/day) 0 Maximum pipeline blocked 0 Pipeline Total production, Summer (m³/day) Teatment plants (Nos.) All 50 nos. house connections got damaged. AIRP 0 Customer water meter IRP 0 House connection Surface water treatment plants 0 Plants not in operation 0 O&M manuals (Nos.) Production of plant 0 O O&M assistance form DPHE Total capacity (m³/hrs) 0 No Production hours, Summer (hrs/day) 0 Annual leakages (Nos.) Total production (m³/day) 0 Leakage detection activity

3. Needs of Rehabilitation and Expans	on	House connection fee (1/2") (Tk)	No water supply service
Rehabilitation	oli	Tariff adopted year	No water supply service
	V		No water tariii
Production tube well	Yes	Tariff setting policy	,,,,,
Treatment plant	No	T. Water O. ally March at a	
Distribution network	Yes	7. Water Quality Monitoring	
Expansion		Water quality monitoring plan	-
Production tube well	No	Parameters checked	-
Treatment plant	No	Frequency of quality test	-
Distribution network	Yes	Nos. of sampling location /year	-
4. Customer Service (Service indicators)	Water quality problems	We have pipe water supply but no idea about
Coverage area (km²)	No water supply service		piped water quality.
Population served (people)	No water supply service		
Service connections (Nos.)	0	8. Problems and Priority Needs	
Domestic	0	Major 3 problems	
	0		
Public tap/ stand pipe		(1)	Ī
Public institutions	0	(-)	
Commercial & industrial	0	(2)	-
Others	0		
Total	0	(3)	-
Metered connections (Nos.)	-		
Applications outstanding (Nos.)	-	Major 3 priority needs	
New connections in 2010/2011 (Nos.)	-		Water flow monitoring
Average waiting time (days)	_	(1)	
		(2)	Reduction of leakage
Water pressure at the end of network	No water supply service	(2)	neduction of leakage
Continuity of service (hrs/day)	No water supply service		
Customer with 24 hrs supply (%)	No water supply service	(3)	Reduction of NRW
Annual complaints (Nos.)	300-1,000		
Major complaints		9. Past and On-going Projects and Trainir	g
	1) Why piped water supply has not	(1) Past 10 years projects	
	been commissioned?	Name	-
	2) Why new house connection not		_
	given?	Period	_
			-
	3) Why no power supply to the pump	Funding agency	-
	house?	Executing agency	-
5. Financial Information (FY2010/11)		(2) Past 10 years projects	-
Annual budget (Tk)	0	Name	-
Annual revenue (Tk)	0		-
Annual expenditure (Tk)	0	Period	-
Annual O&M Costs (Tk)	0	Funding agency	-
Annual billings (Tk)	0	Executing agency	_
, ,			
Annual collections (Tk)	0	On-going projects	-
Water arrears (Tk)	0	Name	-
Electricity arrears (Tk)	No water supply service		-
Payment methods	,	Period	-
Self-billing		Funding agency	-
Billing frequency	0	Executing agency	-
6. Water Tariff and Metering (See Tar	ff Database)	Training	-
Tariff Structure	0	Nos. of training	3
		Nos. of Staff	7
Domestic 13 mm (1/2") (Tk/month)	0	Name of training (1)	Double Entry of Accounts
	0	<u> </u>	·
Non-domestic lowest (Tk/month)		Name of training (2)	Basic Computer Training
Lowest volumetric charge (Tk/m³)	0	Name of training (3)	Quality of Control
D. Non-Piped Water Supply Area			
1 Necessity of Direct Mater Count			None, , ,
1. Necessity of Piped Water Supply		Main treatment method in domestic	///
Necessity of Piped Water Supply Necessity of		Main treatment method in domestic As contaminated wells (Nos.)	No data
	Yes		
Necessity of		As contaminated wells (Nos.) Arsenic contaminated water supply (%)	No data No data
Necessity of Piped water Water meter	Yes	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%)	No data No data No data
Necessity of Piped water		As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	No data No data No data 25
Necessity of Piped water Water meter	Yes To save the water and pay the bill according their	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%)	No data No data No data
Necessity of Piped water Water meter	Yes To save the water and pay the bill according their	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	No data No data No data 25
Necessity of Piped water Water meter	Yes To save the water and pay the bill according their	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	No data No data No data 25
Necessity of Piped water Water meter	Yes To save the water and pay the bill according their	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	No data No data No data 25
Necessity of Piped water Water meter	Yes To save the water and pay the bill according their	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	No data No data No data 25 Groundwater level declining problem,
Necessity of Piped water Water meter Reasons	Yes To save the water and pay the bill according their consumed water.	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area	No data No data No data 25 Groundwater level declining problem,
Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff)	Yes To save the water and pay the bill according their consumed water. 0 12,000	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piped	No data No data No data 25 Groundwater level declining problem, Water Supply System
Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk)	Yes To save the water and pay the bill according their consumed water. 0 12,000	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piped Potential water sources Shallow well	No data No data No data 25 Groundwater level declining problem, Water Supply System Evaluation WQ problems None N
Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month Affordable price in total household income (%)	Yes To save the water and pay the bill according their consumed water. 0 12,000 100 1	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piped Potential water sources Shallow well Deep well	No data No data No data 25 Groundwater level declining problem, Water Supply System Evaluation WQ problems None N
Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped	Yes To save the water and pay the bill according their consumed water. 0 12,000 100 1 Water Supply Area	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piped Potential water sources Shallow well Deep well Surface water sources	No data No data No data 25 Groundwater level declining problem, Water Supply System Evaluation WQ problems None N High N
Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Source	Yes To save the water and pay the bill according their consumed water. 0 12,000 1 100 1 Water Supply Area Nos. of source Drinking (%) Domestic (%)	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piped Potential water sources Shallow well Deep well Surface water sources Other sources	No data No data No data 25 Groundwater level declining problem, Water Supply System Evaluation WQ problems None N
Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Source River	Yes To save the water and pay the bill according their consumed water. 0 12,000 100 1 Water Supply Area Nos. of source Drinking (%) Domestic (%) 0 0 0	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piped Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level	No data No data No data 25 Groundwater level declining problem, Water Supply System Evaluation WQ problems None N High N Yes -
Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Source River Shallow well	Yes To save the water and pay the bill according their consumed water. 0 12,000 100 1 Water Supply Area Nos. of source Drinking (%) Domestic (%) 0 0 0 4,500 100 98	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piped Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year)	No data No data No data 25 Groundwater level declining problem, Water Supply System Evaluation WQ problems None N High N Yes -
Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Source River Shallow well Deep well	Yes To save the water and pay the bill according their consumed water. 0 12,000 100 1 Water Supply Area Nos. of source Drinking (%) Domestic (%) 0 0 0 4,500 100 98 0 0 0	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piped Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level	No data No data No data 25 Groundwater level declining problem, Water Supply System Evaluation WQ problems None N High N Yes -
Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Source River Shallow well	Yes To save the water and pay the bill according their consumed water. 0 12,000 100 1 Water Supply Area Nos. of source Drinking (%) Domestic (%) 0 0 0 4,500 100 98	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piped Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year)	No data No data No data 25 Groundwater level declining problem, Water Supply System Evaluation WQ problems None N High N Yes -
Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Source River Shallow well Deep well	Yes To save the water and pay the bill according their consumed water. 0 12,000 100 1 Water Supply Area Nos. of source Drinking (%) Domestic (%) 0 0 0 4,500 100 98 0 0 0	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piped Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year)	No data No data No data 25 Groundwater level declining problem, Water Supply System Evaluation WQ problems None N High N Yes -

Pirojpur

Pirojpur			With Piped Water Supply System
A. Pourashava Profile			
Class	A	Capitation coverage	
		Sanitation coverage	50
Division	Barisal	Latrine with septic tank (%)	50
District	Pirojpur	Water sealed slab latrine (%)	30
Year established	1885	Water-related diseases	,,,,,
Contact Tel/Fax	0461-62265		
E-mail		Technical staff (Nos.)	16
	64.170		
Population (FY2010/2011)	64,170	Financial statements (2010/2011)	450.074.000
Nos. of households (FY2010/2011)	11,250	Annual budget (Tk)	168,874,000
Literacy (%)	64	Revenue (Tk)	59,587,000
Land area (km²)	30	Expenditure (Tk)	55,387,000
Residential area (km²)	12	Computerization	Holding tax management, , Trade license, ,
· · ·		Compacenzation	Rate schedule and estimate preparation,
Residential area pop. density (persons/ha)	54		Engineering, , ,
Electricity coverage (%)	95		
Electricity availability (hrs)		Committee formed	
Summer	19	TLCC /Frequency of meeting	Yes, 4 months
Winter	21	WATSAN/Frequency of meeting	Yes, 4 months
		www.commy.requestey.com.g	res, rinomins
B. Key Performance Indicators (Eff	iciency indicators)		
Water supply coverage (%)	40	Metering ratio (%)	67
Per capita produced water (L/d/ca)	6	Operating ratio (%)	69
Supply Hour (Hrs)	2	Collection ratio in amount (%)	74
			45
Non-revenue water (NRW) (%)	Ī.,	Collection period (days)	
Pipe leakage ratio (point/km)	1.4	Staffs/ 1,000 connections (ratio)	3
Average revenue (Tk/m3 produced)	314.2	Electricity arrear to annual revenue (%)	0
Average O&M cost (Tk/m3 produced)	217.8		
			<u></u>
Water	supply	Pipe leakage ratio	
covera		(point/km)	
10	8c (/v)	10	
8	Dan sanita	8	
Collection ratio in 6	Per capita produced water	Electricity arrear 6	Average O&M cost
amount (%)	(L/d/ca)	to annual revenue	(Tk/m3 produced)
2	(L/u/ca)	(%)	
/ ŏ>			
		Staffs/ 1,000	
Metering ratio (%)	Supply hours (hrs)	connections (ratio)	Operating ratio (%)
		connections (ratio)	
Average	revenue	Collection period	
Average (Tk/m3 p		Collection period (days)	
(Tk/m3 p	roduced)	(days)	of Nogative Ple
(Tk/m3 p		· ·	of Negative PIs
(Tk/m3 p Overall performa	roduced)	(days)	of Negative PIs
(Tk/m3 p Overall performan C. Water Supply Profile	roduced) nce of Positive PIs	(days) Overall performance	of Negative PIs
(Tk/m3 p Overall performan C. Water Supply Profile 1. General Information of Water Supply	roduced) nce of Positive PIs Section	Overall performance Chlorination points (Nos.)	of Negative PIs
(Tk/m3 p. Overall performat C. Water Supply Profile 1. General Information of Water Supply Water section established (year)	roduced) nce of Positive PIs Section 2000	Overall performance Chlorination points (Nos.) PTW	of Negative PIs
(Tk/m3 p Overall performan C. Water Supply Profile 1. General Information of Water Supply	section 2000 1983	Overall performance Chlorination points (Nos.)	of Negative PIs
(Tk/m3 p. Overall performat C. Water Supply Profile 1. General Information of Water Supply Water section established (year)	roduced) nce of Positive PIs Section 2000	Overall performance Chlorination points (Nos.) PTW	of Negative PIs
Overall performat C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year)	section 2000 1983	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP	
(Tk/m3 p. Overall performat C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility	Section 2000 1983 O&M, Construction of water supply facilities,	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.)	1 0
Overall performat C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year)	Section 2000 1983 O&M, Construction of water supply	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.)	1 0 0
(Tk/m3 p. Overall performation C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation	Section 2000 1983 O&M, Construction of water supply facilities, , Billing, , , , ,	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day)	1 0
Overall performation C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.)	Section 2000 1983 O&M, Construction of water supply facilities,	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.)	1 0 0
(Tk/m3 p. Overall performation C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher	Section 2000 1983 O&M, Construction of water supply facilities, , Billing, , , , ,	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day)	1 0 0
(Tk/m3 p. Overall performation C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.)	Section 2000 1983 O&M, Construction of water supply facilities, , Billing, , , , ,	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank	1 0 0 150
Overall performant C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System	Section 2000 1983 O&M, Construction of water supply facilities, , Billing, , , , ,	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution	1 0 0 150
(Tk/m3 p. Overall performation C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.)	Section 2000 1983 O&M, Construction of water supply facilities, , Billing, , , , ,	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank	1 0 0 150
Overall performant C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System	Section 2000 1983 O&M, Construction of water supply facilities, , Billing, , , , , 13	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.)	1 0 0 150
Overall performant C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production	Section 2000 1983 O&M, Construction of water supply facilities, , Billing, , , , , 13 1 In operation	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km):	1 0 0 150 0 0 0 0 46,040
Overall performation C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system	Section 2000 1983 O&M, Construction of water supply facilities, , Billing, , , , , 13	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.)	1 0 0 150
Overall performant C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well	Section 2000 1983 O&M, Construction of water supply facilities, , Billing, , , , , 13 1 In operation , River	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems	1 0 0 150 0 0 0 0 46,040
Overall performation C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.)	Section 2000 1983 O&M, Construction of water supply facilities, , Billing, , , , , 13 1 In operation , River	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.)	1 0 0 150 0 0 0 0 46,040
Overall performant C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well	Section 2000 1983 O&M, Construction of water supply facilities, , Billing, , , , , 13 1 In operation , River	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems	1 0 0 150 0 0 0 0 46,040
Overall performant C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.)	Section 2000 1983 O&M, Construction of water supply facilities, , Billing, , , , , 13 1 In operation , River	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems	- 1 0 0 0 150 0 0 0 0 0 0 0 0 0 0 0 0 0 0
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m)	Section 2000 1983 O&M, Construction of water supply facilities, , Billing, , , , , 13 1 In operation , River	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells	1 0 0 150 0 0 0 0 46,040
Overall performant C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs)	Section 2000 1983 O&M, Construction of water supply facilities, , Billing, , , , , 13 1 In operation , River 0 0 0 0	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells	1 0 0 150 0 46,040 63 Replacement of parts (bearing, shaft, impeller, coil (due to low voltage))
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs) Ave. current capacity per unit (m³/hrs)	Section 2000 1983 O&M, Construction of water supply facilities, , Billing, , , , , 13 1 In operation , River 0 0 0 0 0 0	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells	- - 1 0 0 150 0 0 0 0 46,040 63
Overall performant C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs)	Section 2000 1983 O&M, Construction of water supply facilities, , Billing, , , , , 13 1 In operation , River 0 0 0 0	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells	1 0 0 150 0 0 0 46,040 63 Replacement of parts (bearing, shaft, impeller, coil (due to low voltage)) Reservoir leakage
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs) Ave. current capacity per unit (m³/hrs)	Section 2000 1983 O&M, Construction of water supply facilities, , Billing, , , , , 13 1 In operation , River 0 0 0 0 0 0	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells	1 0 0 150 0 0 46,040 63 Replacement of parts (bearing, shaft, impeller, coil (due to low voltage))
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs) Ave. current capacity per unit (m³/hrs) Ave. production hours, Summer (hrs/day)	section 2000 1983 O&M, Construction of water supply facilities, , Billing, , , , , 13 1 In operation , River 0 0 0 0 0 0 0 0 0	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells Pump Treatment plant	1 0 0 150 0 0 0 46,040 63 Replacement of parts (bearing, shaft, impeller, coil (due to low voltage)) Reservoir leakage
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs) Ave. current capacity per unit (m³/hrs) Ave. production hours, Summer (hrs/day) Total production, Summer (m³/day) Teatment plants (Nos.)	Section 2000 1983 O&M, Construction of water supply facilities, , Billing, , , , , 13 1 In operation , River 0 0 0 0 0 0 0 0 0 0 0	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells Pump Treatment plant Pipeline	1 0 0 150 0 0 0 46,040 63 Replacement of parts (bearing, shaft, impeller, coil (due to low voltage)) Reservoir leakage
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs) Ave. current capacity per unit (m³/hrs) Ave. production hours, Summer (hrs/day) Total production, Summer (m³/day) Teatment plants (Nos.) AIRP	section 2000 1983 O&M, Construction of water supply facilities, , Billing, , , , , 13 1 In operation , River 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells Pump Treatment plant	1 0 0 150 0 0 0 46,040 63 Replacement of parts (bearing, shaft, impeller, coil (due to low voltage)) Reservoir leakage Leakage
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs) Ave. current capacity per unit (m³/hrs) Ave. production hours, Summer (hrs/day) Total production, Summer (m³/day) Teatment plants (Nos.) AIRP IRP	section 2000 1983 O&M, Construction of water supply facilities, , Billing, , , , , 13 1 In operation , River 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells Pump Treatment plant Pipeline Customer water meter	1 0 0 150 0 0 46,040 63 Replacement of parts (bearing, shaft, impeller, coil (due to low voltage)) Reservoir leakage Leakage Iron sludge block the valve
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs) Ave. current capacity per unit (m³/hrs) Ave. production hours, Summer (hrs/day) Total production, Summer (m³/day) Teatment plants (Nos.) AIRP	section 2000 1983 O&M, Construction of water supply facilities, , Billing, , , , , 13 1 In operation , River 0 0 0 0 0 0 0 1 0 0 1	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells Pump Treatment plant Pipeline	1 0 0 150 0 0 0 46,040 63 Replacement of parts (bearing, shaft, impeller, coil (due to low voltage)) Reservoir leakage Leakage
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs) Ave. current capacity per unit (m³/hrs) Ave. production hours, Summer (hrs/day) Total production, Summer (m³/day) Teatment plants (Nos.) AIRP IRP	section 2000 1983 O&M, Construction of water supply facilities, , Billing, , , , , 13 1 In operation , River 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells Pump Treatment plant Pipeline Customer water meter	1 0 0 150 0 0 46,040 63 Replacement of parts (bearing, shaft, impeller, coil (due to low voltage)) Reservoir leakage Leakage Iron sludge block the valve
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs) Ave. current capacity per unit (m³/hrs) Ave. production hours, Summer (hrs/day) Total production, Summer (m³/day) Teatment plants (Nos.) AIRP IRP Surface water treatment plants Plants not in operation	section 2000 1983 O&M, Construction of water supply facilities, , Billing, , , , , 13 1 In operation , River 0 0 0 0 0 0 0 1 0 0 1	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells Pump Treatment plant Pipeline Customer water meter House connection	1 0 0 150 0 0 46,040 63 Replacement of parts (bearing, shaft, impeller, coil (due to low voltage)) Reservoir leakage Leakage Iron sludge block the valve
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs) Ave. current capacity per unit (m³/hrs) Ave. production hours, Summer (hrs/day) Total production, Summer (m³/day) Teatment plants (Nos.) AIRP IRP Surface water treatment plants Plants not in operation Production of plant	section 2000 1983 O&M, Construction of water supply facilities, , Billing, , , , , 13 1 In operation , River 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells Pump Treatment plant Pipeline Customer water meter House connection O&M manuals (Nos.)	To the state of th
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs) Ave. current capacity per unit (m³/hrs) Ave. production hours, Summer (hrs/day) Total production, Summer (m³/day) Teatment plants (Nos.) AIRP IRP Surface water treatment plants Plants not in operation Production of plant Total capacity (m³/hrs)	section 2000 1983 O&M, Construction of water supply facilities, , Billing, , , , , 13 1 In operation , River 0 0 0 0 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 0 1 0 0 0 1 0	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells Pump Treatment plant Pipeline Customer water meter House connection O&M manuals (Nos.) O&M assistance form DPHE	To 0
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs) Ave. current capacity per unit (m³/hrs) Ave. production hours, Summer (hrs/day) Total production, Summer (m³/day) Teatment plants (Nos.) AIRP IRP Surface water treatment plants Plants not in operation Production of plant Total capacity (m³/hrs) Production hours, Summer (hrs/day)	section 2000 1983 O&M, Construction of water supply facilities, , Billing, , , , , 13 1 In operation , River 0 0 0 0 0 0 1 1 0 0 150 19	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells Pump Treatment plant Pipeline Customer water meter House connection O&M manuals (Nos.) O&M assistance form DPHE Annual leakages (Nos.)	To the state of th
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs) Ave. current capacity per unit (m³/hrs) Ave. production hours, Summer (hrs/day) Total production, Summer (m³/day) Teatment plants (Nos.) AIRP IRP Surface water treatment plants Plants not in operation Production of plant Total capacity (m³/hrs)	section 2000 1983 O&M, Construction of water supply facilities, , Billing, , , , , 13 1 In operation , River 0 0 0 0 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 0 1 0 0 0 1 0	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells Pump Treatment plant Pipeline Customer water meter House connection O&M manuals (Nos.) O&M assistance form DPHE	To the state of th

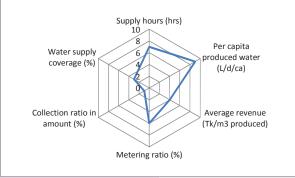
Rehabilitation Production tube well No Treatment plant Yes Peb. 2011 Constitution network Yes Peb. 2011 Constitution network Yes Peb. 2011 Constitution network Yes Percent of the two well Perc				
Treatment plant	3. Needs of Rehabilitation and Expansion	n	House connection fee (1/2") (Tk)	800
Testament plant	Rehabilitation		Tariff adopted year	Feb, 2011
Testament plant Ves Possible Ves Possible P	Production tube well	No	Tariff setting policy	, Operation cost recovery (O&M costs),
Distribution setwork Ves Papersion Ves Papersion Ves Treatment plant Ves	Treatment plant	Yes	· ,	,,,
Expansion Production table well Treatment plant Ves Treatment plant Treatment	'		7 Water Quality Monitoring	
Production tube well Yes Parameters checked Frequency of quality test Ves Customer Service (Service indicators) 12 Parameters checked Frequency of quality test No. of sampling location (year Water quality problems Parameters (Parameters of quality problems Parameters (Parameters of quality problems Parameters (Parameters of quality problems Parameters of quality p		103		No
Terretment paint				NO
Distribution network	Production tube well	Yes		-
Security problems Coverage are fam P 12 Population served (people) 25,688 Service commercion (Nos.) 3,861 Major 3 problems (1) Sectricity problem (2) Insufficient etchnical and managerial capacity Major 3 problems (3) Sectricity problem (2) Insufficient etchnical and managerial capacity Major 3 problems (3) Water quality problem (2) Insufficient etchnical and managerial capacity Major 3 problems (3) Water quality problem (2) Insufficient etchnical and managerial capacity Major 3 proority needs (3) Water quality problem (2) Insufficient etchnical and managerial capacity Major 3 proority needs (3) Water quality problem (4) Water quality problems (3) Water quality problem (4) Water quality problem (4) Water quality problem (4) Water quality problems (4) Water quality problems (4) Water quality problems (4) Water quality problems (5) Water quality problems (6) Water quality problems (7) Water	Treatment plant	Yes	Frequency of quality test	-
Coverage area (km²) 12 25,688 Service connections (Nos.) 3,881 Service connections (Nos.) 3,881 Service connections (Nos.) 3,881 Service connections (Nos.) 3,879 Public tary stand pipe 65 Public institutions 0 Commercial & industrial 217 Commercial & industrial 217 Commercial & industrial 218 Commercial & industrial 218 Commercial & industrial 218 Commercial & industrial 248 Commercial & industrial 249 Commercial & industrial 249 Commercial & industrial 249 Commercial & industrial & industri	Distribution network	Yes	Nos. of sampling location /year	-
Coverage area (km²) 12 25,688 Service connections (Nos.) 3,881 Service connections (Nos.) 3,881 Service connections (Nos.) 3,881 Service connections (Nos.) 3,879 Public tary stand pipe 65 Public institutions 0 Commercial & industrial 217 Commercial & industrial 217 Commercial & industrial 218 Commercial & industrial 218 Commercial & industrial 218 Commercial & industrial 248 Commercial & industrial 249 Commercial & industrial 249 Commercial & industrial 249 Commercial & industrial & industri	4. Customer Service (Service indicators)		Water quality problems	
Population served (people) 25,688 Service comorcinos (Nos.) 3,861		12	, , , , , , , , , , , , , , , , , , ,	
Service connections (Nos.) 3.881 3.799 Albiditicity stand pipe 65 Public itary stand pipe 65 Albiditicity st				
Domestic 1, 3,79			0.0.11	
Public tray for sand pipe 5 Public tray for sand pipe			_	
Public institutions	Domestic	3,579	Major 3 problems	
Commercial & industrial 217	Public tap/ stand pipe	65	(1)	Electricity problem
Chies	Public institutions	0		
Others	Commercial & industrial	217	(2)	Insufficient technical and
Total 3.86.1		0	()	
Metered connections (Nos.)			(2)	
Applications outstanding (loss.) Service (loss) Ser			(3)	water quality problem
New connections in 2010/2012 (Nos.) 63 Average waiting time (days) 2 2 2 2 4 4 4 4 4 4	Metered connections (Nos.)			
Average waiting time (days) 2 Customer with 24 hrs supply (%) 0 Annual complaints (Mos.) 900 Major complaints (1) insufficient quantity (2) Leakage (house conn, main pipe) (3) (3) Water quality monitoring (1) Past 10 years projects and Training (1) Past 10 years projects (1) Past 10 years p	Applications outstanding (Nos.)	5	Major 3 priority needs	
Water pressure at the end of network 1, Low, 2 Continuity of service (hrx/day) 2 2 2 2 2 3 3 3 3 3	New connections in 2010/2011 (Nos.)	63	(1)	Increase of production capacity
Water pressure at the end of network 1, Low, Continuity of Service (Psr/5dly) 2 2 2 2 2 2 2 3 3 3	Average waiting time (days)	2		
Continuity of service (hryday) 2 Customer with 2 Am supply (%) 0 Annual complaints (Nos.) 900 S. Financial Information (FY2010/11) Annual budget (Tk) 168,874,000 Annual creenue (TK) 17,200,000 Annual collections (Tk) 11,925,000 Annual collections (Tk) 11,925,000 Annual predictions (Tk) 11,925,000 Annual collections (Tk) 11,925,000 Annual collections (Tk) 13,375,645 Annual collections (Tk) 9,855,107 Annual collections (Tk) 9,855,107 Annual collections (Tk) 0,000 Billing frequency Billing frequency Cwater arrans (Tk) 0,000 Billing frequency Fixed amount Northly Self-billing No Dimestic 13 mm (1/2") (Tk/month) Domestic 13 mm (1/2") (Tk/month) Lowest volumetric charge (Tk/m¹) 8 D. Non-Piped Water Supply Aea Affordability lanswered by poursibava staff) No data No data No data No data No data Source No data No da		Low.	(2)	Treatment plant
Customer with 24 hrs supply (%)			(2)	i i i i i i i i i i i i i i i i i i i
Annual complaints (Nos.) 900			(0)	Water quality manitaring
Major complaints (1) Insufficient quantity (2) Leakage (house conn, main pipe) (2) Leakage (house conn, main pipe) (3) (3) (3) (3) (3) (4) ((3)	vvaler quanty monitoring
(2) Leakage (house conn, main pipe) (2) Leakage (house conn, main pipe) (3) 5. Financial Information (FY2010/11) Annual budget (Tk) 168,874,000 Annual evenue (Tk) 17,200,000 Annual evenue (Tk) 11,925,000 Annual OSM Costs (Tk) 11,925,000 Annual lings (Tk) 13,375,645 Annual collections (Tk) 9,885,107 Water arrears (Tk) 2,139,955 Electricity arrears (Tk) 0, 9,885,107 Water arrears (Tk) 0, 9,885,107 Water arrears (Tk) 0, 9,885,107 Field amount 0,988 Self-billing No Fixed amount 0,988 Self-billing No Fixed amount 0,988 Calling frequency 0,998 Calling agency 0,998 Callin		900		
California Cal	Major complaints		9. Past and On-going Projects and Training	ng
Name	(:) Insufficient quantity	(1) Past 10 years projects	
(2) Leakage (house conn, main pipe) (3) (3) (3) (3) (3) (3) (3) (3) (3) (3			Name	-
S. Financial Information (FY2010/11)	l c	Leakage (house conn. main nine)		_
S. Financial Information (FY2010/11)	,,	, zeanage (nease com) mam pipe,	Dorind	
Executing agency -	,,	,		-
S. Financial Information (FY2010/11) Annual budget (Tk) 168,874,000 Name -	(:)		-
Annual revenue (TK) Annual O&M Costs (TK) Annual O&M Costs (TK) Annual collections (TK) Annual revenue Annual billing (Tk) Annual prevalency Annual billing (Tk) Annual prevalency Annual billing (Tk) Annual collections (TK)			Executing agency	-
Annual revenue (Tk) Annual collections (Tk) Annual col	5. Financial Information (FY2010/11)		(2) Past 10 years projects	-
Annual country (Tk) 11,925,000	Annual budget (Tk)	168,874,000	Name	-
Annual country (Tk) 11,925,000	Annual revenue (Tk)	17.200.000		_
Annual O&M Costs (Tk) 11,925,000	' '		Period	_
Annual billings (Tk)				
Annual collections (Tk) 9,855,107 Water arrears (Tk) 2,139,955 Name - STWSSP Electricity arrears (Tk) 0 0 Payment methods , Bank Period 2010-2012 Self-billing No Monthly Executing agency DPHE Monthly Executing agency DPHE Tariff Structure Fixed amount Nos. of Staff 15 Domestic 13 mm (1/2") (Tk/month) 150 Nos. of Staff 15 Name of training (1) Accounting (double entry system) (2 Nos. of Staff 15 Name of training (2) Pipeline and meter maintenance (2 Nos. of Staff 15 Name of training (3) Quality control (2011) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Area 2. Necessity of Piped Water Supply Area Affordability (answered by pourashava staff) O Spiped water Nos of Staff No data No data No data No data No data No data Source Source Nos of Source Nos of Source Domeking (b) Robert Supply Area Source Nos of Source Domeking (b) Deep well High no problem Shallow well 100 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				-
Water arrears (Tk) 2,139,955 Name STWSSP Electricity arrears (Tk) 0 Payment methods , Bank Period 2010-2012 Self-billing No Ferrod 2010-2012 Funding agency ADB Billing frequency Monthly Executing agency DPHE 6. Water Tariff and Metering (See Tariff Database) Training 0 Tariff Structure Fixed amount Nos. of training 4 Nos. of staff 15 Domestic 13 mm (1/2") (Tk/month) 150 Non-domestic lowest (Tk/month) 420 Non-domestic lowest (Tk/month) 420 Non-domestic lowest (Tk/month) 420 Non-domestic lowest volumetric charge (Tk/m³) 8 Name of training (1) Accounting (double entry system) (2 Name of training (2) Pipeline and meter maintenance (2 Name of training (3) Quality control (2011) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Area 1. Necessity of Piped Water Yes Reasons People are willing to pay more money (from pourashava comment) Affordability (answered by pourashava staff) People are willing to pay more money (from pourashava comment) Affordability (answered by pourashava staff) OAdata 2. Exiting Water Supple Water Supply Area Source Nos. of staff 15 Name of training (1) Accounting (double entry system) (2 Name of training (2) Pipeline and meter maintenance (2 Name of training (3) Quality control (2011) Main treatment method in domestic As contaminated water supply (%) OUnhygienic drinking wells (Nos.) OArsenic contaminated water supply area Water-borne disease, Water-borne disease, 3. Potential Water Sources for Non-Piped Water Supply System Potential water sources Evaluation Water-borne disease, Source Nos. of staff 15 Name of training (2) Pipeline and meter maintenance (2 None, 7, As contaminated water supply (%) OUnhygienic drinking water (%) ONNONE, 7, As contaminated water supply (%) OUnhygienic drinking water (%) ONNONE, 7, As contaminated water supply (%) OUnhygienic drinking water (%) ONNONE, 7, As contaminated water supply (%) OUNHygienic drinking water (%) ONNONE, 7, As contaminated water supply (%) OUNHygienic drinking water (%) ONNONE, 7, As contaminated water supply (%	- ' '			-
Electricity arrears (Tk) 0 Payment methods , Bank Self-billing No Billing frequency Monthly Executing agency DPHE Training 0 Training 0 Training 0 Nos. of staff 15 Domestic 13 mm (1/2") (Tk/month) 150 Non-domestic lowest (Tk/month) 420 Non-domestic lowest (Tk/month) 420 Non-domestic lowest (Tk/month) 8 Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Prepole are willing to pay more money (from pourashava comment) Affordability (answered by pourashava staff) 0 Average household income/month (Tk) Affordability for piped water (Tk/month) No data Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) No data Source Nos. of staff 15 Name of training (1) Accounting (double entry system) (2) Name of training (2) Pipeline and meter maintenance (2) As contaminated wells (Nos.) Outpeline and meter maintenance (2) As contaminated wells (Nos.) Outpeline in non-piped water supply (%) Outphygienic drinking water (%) Outpelmes in non-piped water supply area Affordability (answered by pourashava staff) Outpelmes in non-piped water supply area Affordability (answered by pourashava staff) Outpelmes in non-piped water supply area Affordability (answered by pourashava staff) Outpelmes in non-piped water supply area Affordability (answered by pourashava staff) Outpelmes in non-piped water supply area Affordability (answered by pourashava staff) Outpelmes in non-piped water supply area Affordability (answered by pourashava staff) Outpelmes in non-piped water supply area Affordability (answered by pourashava staff) Outpelmes in non-piped water supply area Affordability (answered by pourashava staff) Outpelmes in non-piped water sources Potential water sources P	Annual collections (Tk)	9,855,107	On-going projects	-
Payment methods Self-billing No Monthly 6. Water Tariff and Metering (See Tariff Database) Tariff Structure Fixed amount Nos. of training Nos	Water arrears (Tk)	2,139,955	Name	-
Self-billing Billing frequency Monthly Executing agency DPHE 6. Water Tariff and Metering (See Tariff Database) Tariff Structure Fixed amount Fixed amount Fixed amount Fixed amount Nos. of Staff Domestic 13 mm (1/2") (Tk/month) Lowest (Tk/month) Lowest (Tk/month) Lowest Volumetric charge (Tk/m³) Non-Piped Water Supply Area Necessity of Piped Water Supply Area Necessity of Piped water Yes Water meter Reasons People are willing to pay more money (from pourashava comment) Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability of piped water (Tk/month) Affordability of piped water (Tk/month) Affordability for piped water (Tk/month) Affordability of piped water (Tk/month) Affordability for piped water (Tk/month) No data No data Source No. data No data Source No. source No. data No data Source No. source No. data	Electricity arrears (Tk)	0		STWSSP
Self-billing Billing frequency Monthly Executing agency DPHE 6. Water Tariff and Metering (See Tariff Database) Tariff Structure Fixed amount Fixed amount Fixed amount Fixed amount Nos. of Staff Domestic 13 mm (1/2") (Tk/month) Lowest (Tk/month) Lowest (Tk/month) Lowest Volumetric charge (Tk/m³) Non-Piped Water Supply Area Necessity of Piped Water Supply Area Necessity of Piped water Yes Water meter Reasons People are willing to pay more money (from pourashava comment) Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability of piped water (Tk/month) Affordability of piped water (Tk/month) Affordability for piped water (Tk/month) Affordability of piped water (Tk/month) Affordability for piped water (Tk/month) No data No data Source No. data No data Source No. source No. data No data Source No. source No. data	Payment methods	, Bank	Period	2010-2012
Billing frequency 6. Water Tariff and Metering (See Tariff Database) Tariff Structure Fixed amount Fixed amou	Self-hilling	No	Funding agency	ADB
Fixed amount Fixed amount Nos. of training 0 Training 0 Training 0 Nos. of training 4 Nos. of Staff 15 Name of training (1) Accounting (double entry system) (2 Name of training (2) Pipeline and meter maintenance (2 Name of training (3) Quality control (2011) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Yes Reasons People are willing to pay more money (from pourashava comment) Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (TK/month) No data No data 2. Exiting Water Sources in Non-Piped Water Supply Area Source Nos. of training (1) Name of training (2) Name of training (2) Name of training (3) Name of training (2)				
Tariff Structure Fixed amount Nos. of training Nos. of Staff Nos. of Staff Nome of training (1) Name of training (2) Name of training (2) Name of training (3) Quality control (2011) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Yes Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordability for piped water (Tk/month) Affordable price in total household income (8) No data Source No. s. of training Nos. of staff Name of training (1) Name of training (2) Name of training (2) Name of training (2) Name of training (2) Name of training (3) Quality control (2011) Main treatment method in domestic As contaminated wells (Nos.) O Varenic contaminated water supply (%) O Water-borne disease, Water-borne disease, Potential Water Sources for Non-Piped Water Supply System Potential water sources Fivaluation None Salinity Deep well High no problem Surface water sources V Muddy, bacteria Other sources No Deep well High no problem Surface water sources V Muddy, bacteria Other sources No Deep well (m/year) Deep well (m/year)		, , , , , , , , , , , , , , , , , , ,		
Nos. of Staff 15 Domestic 13 mm (1/2") (Tk/month) 150			· ·	
Domestic 13 mm (1/2") (Tk/month) 150 Name of training (1) Accounting (double entry system) (2 Name of training (2) Pipeline and meter maintenance (2 Name of training (3) Quality control (2011)	Tariff Structure	Fixed amount	-	
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordabile price in total household income (%) 2. Exiting Water Sources River Source River Shallow well Deep well Pipeline and meter maintenance (2 Quality control (2011) Name of training (2) Name of training (3) Quality control (2011) None, ,, As contaminated water supply (%) O Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piped Water Supply System Poential water sources Final Do Do Domestic (%) Surface water sources V Muddy, bacteria Other sources V Muddy, bacteria Other sources Other sources No Decrease of ground water level Shallow well (m/year) Deep well (m/year) Deep well (m/year)			Nos. of Staff	15
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m²) Nono-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordabile price in total household income (%) No data No data Source No. o. None, , , As contaminated wells (Nos.) O. Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piped Water Supply System Potential water sources No data No data No data Source No. o. No. o. o. Arsenic contaminated walts (Nos.) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piped Water Supply System Potential water sources Evaluation WQ problems Shallow well None Salinity Deep well High no problem Surface water sources V Muddy, bacteria Other sources Other sources No 0 Deep well (m/year) Deep well (m/year) Deep well (m/year)	Domestic 13 mm (1/2") (Tk/month)	150	Name of training (1)	Accounting (double entry system) (2011)
Lowest volumetric charge (Tk/m³) 8 Name of training (3) Quality control (2011) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons People are willing to pay more money (from pourashava comment) Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordabile price in total household income (%) 2. Exiting Water Sources in Non-Piped Water Supply Area Source Nos. of so		420	Name of training (2)	Pipeline and meter maintenance (2011)
D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (TK/month) Affordability for piped water (TK/month) Affordability for piped water (TK/month) Affordability for piped water Supple Water Supply Area 2. Exiting Water Sources in Non-Piped Water Supply Area Source River 1 0 20 Shallow well Deep well Deep well Deep well Deep well Ponds No No No No No No No No No N				
Main treatment method in domestic None, , ,				,
Necessity of Piped water Water meter Yes Reasons People are willing to pay more money (from pourashava comment) Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) No data 2. Exiting Water Sources in Non-Piped Water Supply Area Source Nos. of source Deep well Surface water sources Y Muddy, bacteria Other sources No 0 Decrease of ground water level Shallow well (m/year) Deep well (m/year) Deep well (m/year)				
Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordability for piped water (Tk/month) Affordability for piped water Supply Area 2. Exiting Water Sources in Non-Piped Water Supply Area Source River Shallow well Deep well Deep well Ponds Arsenic contaminated water supply (%) Unhygienic drinking water (%) O % of people using neighbor's well for drinking Problems in non-piped water supply area Water-borne disease, Potential water sources for Non-Piped Water Supply System Potential water sources Shallow well wight no problems Shallow well Surface water sources V Muddy, bacteria Other sources No Other sources No Other sources Shallow well (m/year) Deep well (m/year) Deep well (m/year)				
Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordability for piped water Supply Area Source River River Shallow well Deep well Ponds O Vater-borne disease, Water-borne disease, Potential Water Sources for Non-Piped Water Supply System Potential water sources Evaluation WQ problems Shallow well None Salinity Deep well High no problem Surface water sources V Muddy, bacteria Other sources Other sources No Other sources No Other sources Shallow well (m/year) Deep well (m/year) Deep well (m/year)	Necessity of		As contaminated wells (Nos.)	0
Reasons People are willing to pay more money (from pourashava comment) Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordability for piped water (Tk/month) Affordable price in total household income (%) No data No data 2. Exiting Water Sources in Non-Piped Water Supply Area Source Nos. of source Nos. of source Shallow well Deep well (m/year) Deep well (m/year) Deep well (m/year)	Piped water	Yes	Arsenic contaminated water supply (%)	0
Reasons People are willing to pay more money (from pourashava comment) Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordability for piped water (Tk/month) Affordable price in total household income (%) No data No data 2. Exiting Water Sources in Non-Piped Water Supply Area Source Nos. of source Nos. of source Shallow well Deep well (m/year) Deep well (m/year) Deep well (m/year)	Water meter	Yes		0
Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) No data 2. Exiting Water Sources in Non-Piped Water Supply Area Source Nos. of source Nos. of source River 1 0 20 Shallow well Deep well Shallow well Other sources No 0 Decrease of ground water level Shallow well (m/year) Deep well (m/year) Deep well (m/year)	Reasons			0
Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) No data 2. Exiting Water Sources in Non-Piped Water Supply Area Source Nos. of source River 1 0 20 Shallow well Deep well Surface water sources Other sources No Other sources No Other sources Shallow well (m/year) Deep well (m/year) Deep well (m/year)		pourashava comment)		
Average household income/month (Tk) Affordability for piped water (Tk/month) Affordabile price in total household income (%) No data 2. Exiting Water Sources in Non-Piped Water Supply Area Source Nos. of source River 1 0 20 Shallow well 100 0 60 Deep well Deep well Deep well Ponds Potential water sources Shallow well None Salinity Deep well High no problem Surface water sources Y Muddy, bacteria Other sources No 0 Decrease of ground water level Shallow well (m/year) Deep well (m/year)			Froblems in non-piped water supply area	,
Average household income/month (Tk) Affordability for piped water (Tk/month) Affordabile price in total household income (%) No data 2. Exiting Water Sources in Non-Piped Water Supply Area Source Nos. of source River 1 0 20 Shallow well 100 0 60 Deep well Deep well Deep well Ponds Potential water sources Shallow well None Salinity Deep well High no problem Surface water sources Y Muddy, bacteria Other sources No 0 Decrease of ground water level Shallow well (m/year) Deep well (m/year)				
Average household income/month (Tk) Affordability for piped water (Tk/month) Affordabile price in total household income (%) No data 2. Exiting Water Sources in Non-Piped Water Supply Area Source Nos. of source River 1 0 20 Shallow well 100 0 60 Deep well Deep well Deep well Ponds Potential water sources Shallow well None Salinity Deep well High no problem Surface water sources Y Muddy, bacteria Other sources No 0 Decrease of ground water level Shallow well (m/year) Deep well (m/year)				
Average household income/month (Tk) Affordability for piped water (Tk/month) Affordabile price in total household income (%) No data 2. Exiting Water Sources in Non-Piped Water Supply Area Source Nos. of source River 1 0 20 Shallow well 100 0 60 Deep well Deep well Deep well Ponds Potential water sources Shallow well None Salinity Deep well High no problem Surface water sources Y Muddy, bacteria Other sources No 0 Decrease of ground water level Shallow well (m/year) Deep well (m/year)				
Average household income/month (Tk) Affordability for piped water (Tk/month) Affordabile price in total household income (%) No data 2. Exiting Water Sources in Non-Piped Water Supply Area Source Nos. of source Nos. of source Potential water sources Shallow well Deep well Surface water sources Other sources No Other sources No Other sources No Other sources No Other sources Shallow well (m/year) Deep well (m/year) Deep well (m/year)	Affordability (answered by pourashava staff)	0	3. Potential Water Sources for Non-Pipe	Water Supply System
Affordability for piped water (Tk/month) Affordable price in total household income (%) No data 2. Exiting Water Sources in Non-Piped Water Supply Area Source Nos. of source Nos. of source Prinking (%) Deep well None Salinity Deep well Surface water sources No Decrease of ground water level Shallow well (m/year) Deep well (m/year)		5,000-6,000	Potential water sources	Evaluation WQ problems
Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Water Supply Area Source Nos. of source Prinking (%) Domestic (%) Shallow well Deep well Deep well Deep well High no problem Surface water sources Other sources No Decrease of ground water level Shallow well (m/year) Deep well (m/year) Deep well (m/year)				
Source Nos. of source Drinking (%) Domestic (%)				'
Source Nos. of source Drinking (%) Domestic (%)			· ·	
River 1 0 20 Decrease of ground water level Shallow well 100 0 60 Shallow well (m/year) Deep well 60 80 15 Deep well (m/year) Ponds 0 20 5				-
Shallow well 100 0 60 Shallow well (m/year)				INO U
Deep well 60 80 15 Ponds 0 20 5	River		Decrease of ground water level	
Ponds 0 20 5	Shallow well	100 0 60	Shallow well (m/year)	
Ponds 0 20 5	Deep well	60 80 15	Deep well (m/year)	
0 0 0				
	Other Sources	<u> </u>		

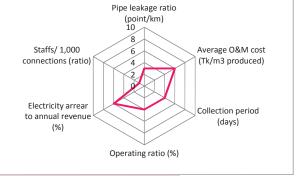
Rajbari

Najban			
A. Pourashava Profile			
Class	A	Sanitation coverage	
Division	Dhaka	Latrine with septic tank (%)	30
District	Rajbari	Water sealed slab latrine (%)	50
Year established	1913	Water-related diseases	, , , Typhoid, Dysentery,
Contact Tel/Fax	0641-65531		
E-mail		Technical staff (Nos.)	12
Population (FY2010/2011)	55,000	Financial statements (2010/2011)	
Nos. of households (FY2010/2011)	8,854	Annual budget (Tk)	192,262,983
Literacy (%)	41	Revenue (Tk)	61,666,940
Land area (km²)	12	Expenditure (Tk)	52,550,000
Residential area (km²)	3	Computerization	Holding tax management, Accounting, Trade
Residential area pop. density (persons/ha)	206		license, , Rate schedule and estimate preparation, Engineering, Yearly logical
Electricity coverage (%)	100		budget preparation, Procurement,
Electricity availability (hrs)		Committee formed	
Summer	16	TLCC /Frequency of meeting	Yes, 3 months
Winter	18	WATSAN/Frequency of meeting	Yes, Meeting not yet held
B. Key Performance Indicators (Ef	ficiency Indicators)		
Water supply coverage (%)	36	Metering ratio (%)	0

Water supply coverage (%)	36
Per capita produced water (L/d/ca)	208
Supply Hour (Hrs)	5
Non-revenue water (NRW) (%)	18
Pipe leakage ratio (point/km)	1.2
Average revenue (Tk/m3 produced)	4
Average O&M cost (Tk/m3 produced)	3.2

Metering ratio (%) 0
Operating ratio (%) 79
Collection ratio in amount (%) 66
Collection period (days) 65
Staffs/ 1,000 connections (ratio) 9
Electricity arrear to annual revenue (%) 0





Overall performance of Positive PIs

Overall performance of Negative PIs

C. Water Supply Profile

1. General Information of Water Supply	Section	Chlorination points (Nos.)	
Water section established (year)	1990	PTW	0
Piped system introduced (year)	1962	IRP/AIRP	0
Pourashava responsibility	O&M, , Part of construction	Surface WTP	
		Bulk flow meters (Nos.)	0
Computerization/Automation	, Billing, Accounting, Asset	Bulk flow meter readings (Nos.)	0
	management, , ,	Total production, Summer (m ³ /day)	4,155
Staff in water section (Nos.)	13	(2) Distribution	
In which, staff with diploma or higher	2	Overhead tank	0
qualification (Nos.) 2. Water Supply System		Overhead tanks (Nos.)	1
Operation of water supply facilities	In operation	Total capacity (m ³)	455
(1) Production	in operation	Distribution network (km):	58,000
Water sources for piped system	Groundwater,	Leakages in distribution (Nos.)	70
Production tube well	Groundwater,	(3) O&M Problems	70
PTW (Nos.)	10	Production wells	Capacity low
PTW (Nos.) PTW not in operation (Nos.)	3	Production wells	22,233,733
Ave. depth (m)	109	Duran	Burning, sound problem
' ' '	86	Pump	
Capacity at commission (m³/hrs)		Treatment wlant	Water does not filter properly
Ave. current capacity per unit (m ³ /hrs) Ave. production hours, Summer (hrs/day)	76	Treatment plant	water ages not miter properly
	8	Dinalina	Pipe line blocks for iron
Total production, Summer (m ³ /day) Teatment plants (Nos.)	4,155	Pipeline	
AIRP	0	Customer water meter	
IRP	0	Customer water meter	
Surface water treatment plants	0	House connection	Leakage
Plants not in operation	0	nouse connection	
Production of plant	0	OPM manuals (Nos.)	
•	300	O&M manuals (Nos.) O&M assistance form DPHE	0 Vos
Total capacity (m ³ /hrs) Production hours, Summer (hrs/day)	10		Yes 70
	3,000	Annual leakages (Nos.) Leakage detection activity	No No
Total production (m ³ /day)	3,000	Leakage detection activity	INU

2. No ada of Deliviting			
3. Needs of Rehabilitation and Expans	ion	House connection fee (1/2") (Tk)	700
Rehabilitation		Tariff adopted year	1990
Production tube well	No	Tariff setting policy	, Operation cost recovery (O&M costs),
		Turni Setting policy	,,,
Treatment plant	Yes		
Distribution network	Yes	7. Water Quality Monitoring	
Expansion		Water quality monitoring plan	No
Production tube well	No	Parameters checked	_
	Yes		
Treatment plant		Frequency of quality test	-
Distribution network	Yes	Nos. of sampling location /year	-
4. Customer Service (Service indicator	s)	Water quality problems	Iron
Coverage area (km²)	5		
Population served (people)	20,000		
Service connections (Nos.)	1,450	8. Problems and Priority Needs	
Domestic	1,417	Major 3 problems	
Public tap/ stand pipe	0	(1)	Low treatment technology
Public institutions	0	` '	
		(2)	to efficient Technical and
Commercial & industrial	33	(2)	Inefficient Technical and
Others	0		managerial Capacity
Total	1,450	(3)	Water quality problem
Metered connections (Nos.)	0	(-,	. ,,
` '		Major 2 princits and	
Applications outstanding (Nos.)	0	Major 3 priority needs	
New connections in 2010/2011 (Nos.)	70	(1)	Increase of water pressure
Average waiting time (days)	3		
Water pressure at the end of network	, , Low,	(2)	Installation of house meters to
· ·		(2)	all consumers
Continuity of service (hrs/day)	5		
Customer with 24 hrs supply (%)	0	(3)	Capacity building for staff and
Annual complaints (Nos.)	80		management
Major complaints		9. Past and On-going Projects and Training	-
Major complaints	(1) Low pressure		0
	(1) Low pressure	(1) Past 10 years projects	
		Name	-
	(2) Iron (Fe)		-
		Period	_
	(3) Lealings		
	(3) Leakage.	Funding agency	-
		Executing agency	-
5. Financial Information (FY2010/11)		(2) Past 10 years projects	-
Annual budget (Tk)	57,766,940	Name	W.S.P.P.
- ' '		Name	
Annual revenue (Tk)	6,055,000		
Annual expenditure (Tk)	5,650,000	Period	W.S.P.P.
Annual O&M Costs (Tk)	4,797,176	Funding agency	2,010
Annual billings (Tk)	2,436,645	Executing agency	GOB
- ' '		On-going projects	DPHE
A married and least and (TI)			DPHE
Annual collections (Tk)	1,609,359		
Annual collections (Tk) Water arrears (Tk)	1,073,700	Name	-
` '			- Water supply project in 37 districts
Water arrears (Tk) Electricity arrears (Tk)	1,073,700 0	Name	
Water arrears (Tk) Electricity arrears (Tk) Payment methods	1,073,700 0 , Bank	Name Period	2,009
Water arrears (Tk) Electricity arrears (Tk) Payment methods Self-billing	1,073,700 0 , Bank No	Name Period Funding agency	2,009 ADB-GOB
Water arrears (Tk) Electricity arrears (Tk) Payment methods Self-billing Billing frequency	1,073,700 0 , Bank No Monthly	Name Period	2,009 ADB-GOB DPHE
Water arrears (Tk) Electricity arrears (Tk) Payment methods Self-billing	1,073,700 0 , Bank No Monthly	Name Period Funding agency	2,009 ADB-GOB
Water arrears (Tk) Electricity arrears (Tk) Payment methods Self-billing Billing frequency	1,073,700 0 , Bank No Monthly	Name Period Funding agency Executing agency	2,009 ADB-GOB DPHE
Water arrears (Tk) Electricity arrears (Tk) Payment methods Self-billing Billing frequency 6. Water Tariff and Metering (See Tar	1,073,700 0 , Bank No Monthly iff Database)	Name Period Funding agency Executing agency Training Nos. of training	2,009 ADB-GOB DPHE 0 4
Water arrears (Tk) Electricity arrears (Tk) Payment methods Self-billing Billing frequency 6. Water Tariff and Metering (See Tar	1,073,700 0 , Bank No Monthly iff Database) Based on pipe size	Name Period Funding agency Executing agency Training Nos. of training Nos. of Staff	2,009 ADB-GOB DPHE 0 4 4
Water arrears (Tk) Electricity arrears (Tk) Payment methods Self-billing Billing frequency 6. Water Tariff and Metering (See Tar Tariff Structure Domestic 13 mm (1/2") (Tk/month)	1,073,700 0 , Bank No Monthly iff Database) Based on pipe size	Period Funding agency Executing agency Training Nos. of training Nos. of Staff Name of training (1)	2,009 ADB-GOB DPHE 0 4 4 Pipeline Network
Water arrears (Tk) Electricity arrears (Tk) Payment methods Self-billing Billing frequency 6. Water Tariff and Metering (See Tar	1,073,700 0 , Bank No Monthly iff Database) Based on pipe size 150 300	Period Funding agency Executing agency Training Nos. of training Nos. of Staff Name of training (1) Name of training (2)	2,009 ADB-GOB DPHE 0 4 4
Water arrears (Tk) Electricity arrears (Tk) Payment methods Self-billing Billing frequency 6. Water Tariff and Metering (See Tar Tariff Structure Domestic 13 mm (1/2") (Tk/month)	1,073,700 0 , Bank No Monthly iff Database) Based on pipe size	Period Funding agency Executing agency Training Nos. of training Nos. of Staff Name of training (1)	2,009 ADB-GOB DPHE 0 4 4 Pipeline Network
Water arrears (Tk) Electricity arrears (Tk) Payment methods Self-billing Billing frequency 6. Water Tariff and Metering (See Tar Tariff Structure Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³)	1,073,700 0 , Bank No Monthly iff Database) Based on pipe size 150 300 0	Period Funding agency Executing agency Training Nos. of training Nos. of Staff Name of training (1) Name of training (2)	2,009 ADB-GOB DPHE 0 4 4 Pipeline Network Pipeline Network
Water arrears (Tk) Electricity arrears (Tk) Payment methods Self-billing Billing frequency 6. Water Tariff and Metering (See Tar Tariff Structure Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area	1,073,700 0 , Bank No Monthly iff Database) Based on pipe size 150 300 0	Period Funding agency Executing agency Training Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3)	2,009 ADB-GOB DPHE 0 4 Pipeline Network Pipeline Network Pipeline Network
Water arrears (Tk) Electricity arrears (Tk) Payment methods Self-billing Billing frequency 6. Water Tariff and Metering (See Tar Tariff Structure Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply	1,073,700 0 , Bank No Monthly iff Database) Based on pipe size 150 300 0	Period Funding agency Executing agency Training Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3)	2,009 ADB-GOB DPHE 0 4 4 Pipeline Network Pipeline Network Pipeline Network
Water arrears (Tk) Electricity arrears (Tk) Payment methods Self-billing Billing frequency 6. Water Tariff and Metering (See Tar Tariff Structure Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area	1,073,700 0 , Bank No Monthly iff Database) Based on pipe size 150 300 0	Period Funding agency Executing agency Training Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3)	2,009 ADB-GOB DPHE 0 4 Pipeline Network Pipeline Network Pipeline Network
Water arrears (Tk) Electricity arrears (Tk) Payment methods Self-billing Billing frequency 6. Water Tariff and Metering (See Tar Tariff Structure Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply	1,073,700 0 , Bank No Monthly iff Database) Based on pipe size 150 300 0	Period Funding agency Executing agency Training Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3)	2,009 ADB-GOB DPHE 0 4 4 Pipeline Network Pipeline Network Pipeline Network
Water arrears (Tk) Electricity arrears (Tk) Payment methods Self-billing Billing frequency 6. Water Tariff and Metering (See Tar Tariff Structure Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water	1,073,700 0 , Bank No Monthly iff Database) Based on pipe size 150 300 0	Period Funding agency Executing agency Training Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%)	2,009 ADB-GOB DPHE 0 4 4 Pipeline Network Pipeline Network Pipeline Network
Water arrears (Tk) Electricity arrears (Tk) Payment methods Self-billing Billing frequency 6. Water Tariff and Metering (See Tar Tariff Structure Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	1,073,700 0 , Bank No Monthly iff Database) Based on pipe size 150 300 0 Yes Yes	Period Funding agency Executing agency Training Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%)	2,009 ADB-GOB DPHE 0 4 4 Pipeline Network Pipeline Network Pipeline Network None, , , 100 0
Water arrears (Tk) Electricity arrears (Tk) Payment methods Self-billing Billing frequency 6. Water Tariff and Metering (See Tar Tariff Structure Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water	1,073,700 0 , Bank No Monthly iff Database) Based on pipe size 150 300 0 Yes Yes To increase pressure and to decrease wastage	Period Funding agency Executing agency Training Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	2,009 ADB-GOB DPHE 0 4 4 Pipeline Network Pipeline Network Pipeline Network None, , , 100 0 0 5
Water arrears (Tk) Electricity arrears (Tk) Payment methods Self-billing Billing frequency 6. Water Tariff and Metering (See Tar Tariff Structure Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	1,073,700 0 , Bank No Monthly iff Database) Based on pipe size 150 300 0 Yes Yes	Period Funding agency Executing agency Training Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%)	2,009 ADB-GOB DPHE 0 4 4 Pipeline Network Pipeline Network Pipeline Network None, , , 100 0
Water arrears (Tk) Electricity arrears (Tk) Payment methods Self-billing Billing frequency 6. Water Tariff and Metering (See Tar Tariff Structure Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	1,073,700 0 , Bank No Monthly iff Database) Based on pipe size 150 300 0 Yes Yes To increase pressure and to decrease wastage	Period Funding agency Executing agency Training Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	2,009 ADB-GOB DPHE 0 4 4 Pipeline Network Pipeline Network Pipeline Network None, , , 100 0 0 5
Water arrears (Tk) Electricity arrears (Tk) Payment methods Self-billing Billing frequency 6. Water Tariff and Metering (See Tar Tariff Structure Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	1,073,700 0 , Bank No Monthly iff Database) Based on pipe size 150 300 0 Yes Yes To increase pressure and to decrease wastage	Period Funding agency Executing agency Training Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	2,009 ADB-GOB DPHE 0 4 4 Pipeline Network Pipeline Network Pipeline Network None, , , 100 0 0 5
Water arrears (Tk) Electricity arrears (Tk) Payment methods Self-billing Billing frequency 6. Water Tariff and Metering (See Tar Tariff Structure Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	1,073,700 0 , Bank No Monthly iff Database) Based on pipe size 150 300 0 Yes Yes To increase pressure and to decrease wastage	Period Funding agency Executing agency Training Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	2,009 ADB-GOB DPHE 0 4 4 Pipeline Network Pipeline Network Pipeline Network None, , , 100 0 0 5
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Water arrears (Tk) Electricity arrears (Tk) Payment methods Self-billing Billing frequency 6. Water Tariff and Metering (See Tar Tariff Structure Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	1,073,700 0 , Bank No Monthly iff Database) Based on pipe size 150 300 0 Yes Yes To increase pressure and to decrease wastage Will get water supply and will pay as they will use	Period Funding agency Executing agency Training Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	2,009 ADB-GOB DPHE 0 4 4 Pipeline Network Pipeline Network Pipeline Network None, , , 100 0 0 5 Iron, Arsenic
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Water arrears (Tk) Electricity arrears (Tk) Payment methods Self-billing Billing frequency 6. Water Tariff and Metering (See Tar Tariff Structure Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff Average household income/month (Tk)	1,073,700 0 , Bank No Monthly iff Database) Based on pipe size 150 300 0 Yes Yes To increase pressure and to decrease wastage Will get water supply and will pay as they will use 0 0 12,000	Period Funding agency Executing agency Training Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piper Potential water sources	2,009 ADB-GOB DPHE 0 4 4 Pipeline Network Pipeline Network Pipeline Network None, , , 100 0 5 Iron, Arsenic
Water arrears (Tk) Electricity arrears (Tk) Payment methods Self-billing Billing frequency 6. Water Tariff and Metering (See Tar Tariff Structure Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff Average household income/month (Tk) Affordability for piped water (Tk/monti	1,073,700 0 , Bank No Monthly iff Database) Based on pipe size 150 300 0 Yes Yes To increase pressure and to decrease wastage Will get water supply and will pay as they will use 0 0 12,000 1) 150	Period Funding agency Executing agency Training Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well	2,009 ADB-GOB DPHE 0 4 4 Pipeline Network Pipeline Network Pipeline Network None, , , 100 0 5 Iron, Arsenic Water Supply System
Water arrears (Tk) Electricity arrears (Tk) Payment methods Self-billing Billing frequency 6. Water Tariff and Metering (See Tar Tariff Structure Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff Average household income/month (Tk) Affordability for piped water (Tk/month Affordable price in total household income (%)	1,073,700 0 , Bank No Monthly iff Database) Based on pipe size 150 300 0 Yes Yes To increase pressure and to decrease wastage will get water supply and will pay as they will use 0 0 12,000 0) 150 2	Period Funding agency Executing agency Training Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piper Potential water sources Shallow well Deep well	2,009 ADB-GOB DPHE 0 4 4 Pipeline Network Pipeline Network Pipeline Network None, , , 100 0 5 Iron, Arsenic Evaluation WQ problems Moderate Iron Moderate Iron
Water arrears (Tk) Electricity arrears (Tk) Payment methods Self-billing Billing frequency 6. Water Tariff and Metering (See Tar Tariff Structure Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff Average household income/month (Tk) Affordability for piped water (Tk/month Affordable price in total household income (%)	1,073,700 0 , Bank No Monthly iff Database) Based on pipe size 150 300 0 Yes Yes To increase pressure and to decrease wastage will get water supply and will pay as they will use 0 0 12,000 0) 150 2	Period Funding agency Executing agency Training Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well	2,009 ADB-GOB DPHE 0 4 4 Pipeline Network Pipeline Network Pipeline Network None, , , 100 0 5 Iron, Arsenic Water Supply System
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Water arrears (Tk) Electricity arrears (Tk) Payment methods Self-billing Billing frequency 6. Water Tariff and Metering (See Tar Tariff Structure Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff Average household income/month (Tk) Affordabil price in total household income (%) 2. Exiting Water Sources in Non-Piped Source	1,073,700 0 , Bank No Monthly iff Database) Based on pipe size 150 300 0 Yes Yes To increase pressure and to decrease wastage Will get water supply and will pay as they will use 0 0 12,000 0) 150 2 Water Supply Area Nos. of source Drinking (%) Domestic (Period Funding agency Executing agency Training Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources	2,009 ADB-GOB DPHE 0 4 4 Pipeline Network Pipeline Network Pipeline Network None, , , 100 0 5 Iron, Arsenic
Water arrears (Tk) Electricity arrears (Tk) Payment methods Self-billing Billing frequency 6. Water Tariff and Metering (See Tar Tariff Structure Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff Average household income/month (Tk) Affordabil ty for piped water (Tk/month Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Source River	1,073,700 0 , Bank No Monthly iff Database) Based on pipe size 150 300 0 Yes Yes To increase pressure and to decrease wastage Will get water supply and will pay as they will use 0 0 12,000 0) 150 2 Water Supply Area Nos. of source Drinking (%) Domestic (Period Funding agency Executing agency Training Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level	2,009 ADB-GOB DPHE 0 4 4 Pipeline Network Pipeline Network Pipeline Network None, , , 100 0 5 Iron, Arsenic
Water arrears (Tk) Electricity arrears (Tk) Payment methods Self-billing Billing frequency 6. Water Tariff and Metering (See Tar Tariff Structure Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff Average household income/month (Tk) Affordabil price in total household income (%) 2. Exiting Water Sources in Non-Piped Source	1,073,700 0 , Bank No Monthly iff Database) Based on pipe size 150 300 0 Yes Yes Yes To increase pressure and to decrease wastage Will get water supply and will pay as they will use 0 12,000 1) 150 2 Water Supply Area Nos. of source Drinking (%) Domestic (1 0 3,500 90 8	Period Funding agency Executing agency Training Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year)	2,009 ADB-GOB DPHE 0 4 4 Pipeline Network Pipeline Network Pipeline Network None, , , 100 0 5 Iron, Arsenic
Water arrears (Tk) Electricity arrears (Tk) Payment methods Self-billing Billing frequency 6. Water Tariff and Metering (See Tar Tariff Structure Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff Average household income/month (Tk) Affordability for piped water (Tk/month Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Source River	1,073,700 0 , Bank No Monthly iff Database) Based on pipe size 150 300 0 Yes Yes To increase pressure and to decrease wastage Will get water supply and will pay as they will use 0 0 12,000 0) 150 2 Water Supply Area Nos. of source Drinking (%) Domestic (Period Funding agency Executing agency Training Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level	2,009 ADB-GOB DPHE 0 4 4 Pipeline Network Pipeline Network Pipeline Network None, , , 100 0 5 Iron, Arsenic
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Water arrears (Tk) Electricity arrears (Tk) Payment methods Self-billing Billing frequency 6. Water Tariff and Metering (See Tar Tariff Structure Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff Average household income/month (Tk) Affordabil for piped water (Tk/montl Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Source River Shallow well Deep well Ponds	1,073,700 0 , Bank No Monthly iff Database) Based on pipe size 150 300 0 Yes Yes Yes To increase pressure and to decrease wastage Will get water supply and will pay as they will use 0 12,000 1) 150 2 Water Supply Area Nos. of source Drinking (%) Domestic (3,500 90 8 25 10 20 0 1.55	Period Funding agency Executing agency Training Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year) Deep well (m/year)	2,009 ADB-GOB DPHE 0 4 4 Pipeline Network Pipeline Network Pipeline Network None, , , 100 0 5 Iron, Arsenic
Water arrears (Tk) Electricity arrears (Tk) Payment methods Self-billing Billing frequency 6. Water Tariff and Metering (See Tar Tariff Structure Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff Average household income/month (Tk) Affordabil for piped water (Tk/montl Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Source River Shallow well Deep well	1,073,700 0 , Bank No Monthly iff Database) Based on pipe size 150 300 0 Yes Yes Yes To increase pressure and to decrease wastage Will get water supply and will pay as they will use 0 12,000 1) 150 2 Water Supply Area Nos. of source Drinking (%) Domestic (3,500 90 8	Period Funding agency Executing agency Training Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year) Deep well (m/year)	2,009 ADB-GOB DPHE 0 4 4 Pipeline Network Pipeline Network Pipeline Network Pipeline Network None, , , 100 0 5 Iron, Arsenic d Water Supply System Evaluation WQ problems Moderate Iron Moderate Iron Moderate No problem No 0 0.5

Ramganj

Ramganj			With Piped Water Supply System
A. Pourashava Profile			
Class	Α	Sanitation coverage	
Division	Chittagong	Latrine with septic tank (%)	45
District	Lakshmipur	Water sealed slab latrine (%)	40
Year established	1991	Water-related diseases	
Contact Tel/Fax	03824-75037	water related diseases	11111
E-mail	03824-73037	Task sized staff (Nac.)	7
	50,000	Technical staff (Nos.)	(
Population (FY2010/2011)	60,000	Financial statements (2010/2011)	76 160 220
Nos. of households (FY2010/2011)	9,463	Annual budget (Tk)	76,168,338
Literacy (%)	75	Revenue (Tk)	16,587,889
Land area (km²)	18	Expenditure (Tk)	12,881,061
Residential area (km²)	4	Computerization	Holding tax management, , , , Rate schedule and estimate preparation, Engineering, Yearly
Residential area pop. density (persons/ha)	171		logical budget preparation, Procurement,
Electricity coverage (%)	95		
Electricity availability (hrs)		Committee formed	
Summer	12	TLCC /Frequency of meeting	Yes, 3 months
Winter	15	WATSAN/Frequency of meeting	No
B. Key Performance Indicators (Eff	iciency Indicators)		
Water supply coverage (%)	21	Metering ratio (%)	100
Per capita produced water (L/d/ca)	39	Operating ratio (%)	43
Supply Hour (Hrs)	5	Collection ratio in amount (%)	71
Non-revenue water (NRW) (%)		Collection period (days)	
Pipe leakage ratio (point/km)	2.2	Staffs/ 1,000 connections (ratio)	8
Average revenue (Tk/m3 produced)	30.3	Electricity arrear to annual revenue (%)	0
Average O&M cost (Tk/m3 produced)	13		
Water su	pply	Pipe leakage ratio	
coverage		(point/km)	
10		10	
8		Electricity arrear to 8	
Collection ratio in 6	Per capita produced	annual revenue 6	Average O&M cost
amount (%)	water (L/d/ca)	(%)	(Tk/m3 produced)
2		2	
	\mathbb{N}		
Metering ratio (%)	Supply hours (hrs)	Staffs/ 1,000	Operating ratio (%)
ivietering ratio (%)	Supply flours (firs)	connections (ratio)	Operating ratio (%)
Average re	Venue	Collection period	
Average re (Tk/m3 pro	I	Collection period (days)	ı
(Tk/m3 pro	duced)	(days)	
(Tk/m3 pro Overall performar	duced)	·	
(Tk/m3 pro Overall performan C. Water Supply Profile	duced) nce of Positive PIs	(days) Overall performance	
(Tk/m3 pro Overall performan C. Water Supply Profile 1. General Information of Water Supply	duced) nce of Positive PIs Section	Overall performance Chlorination points (Nos.)	of Negative PIs
(Tk/m3 pro Overall performan C. Water Supply Profile	section	Overall performance Chlorination points (Nos.) PTW	of Negative PIs
(Tk/m3 pro Overall performan C. Water Supply Profile 1. General Information of Water Supply	duced) nce of Positive PIs Section	Overall performance Chlorination points (Nos.)	of Negative PIs
Overall performan C. Water Supply Profile 1. General Information of Water Supply Water section established (year)	section	Overall performance Chlorination points (Nos.) PTW	of Negative PIs
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year)	section 2004 2006	Chlorination points (Nos.) PTW IRP/AIRP	of Negative PIs
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year)	Section 2004 2006 O&M, ,	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP	of Negative PIs 0 0
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility	section 2004 2006	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.)	of Negative PIs 0 0 - 0 0
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation	Section 2004 2006 O&M,, None,,,,,	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day)	of Negative PIs 0 0 - 0
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility	Section 2004 2006 O&M,, None,,,,,,	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution	of Negative PIs 0 0 - 0 0 486
(Tk/m3 pro Overall performan C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.)	Section 2004 2006 O&M,, None,,,,,	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day)	of Negative PIs 0 0 - 0 0
(Tk/m3 pro Overall performan C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher	Section 2004 2006 O&M,, None,,,,,,	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution	of Negative PIs 0 0 - 0 0 486
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.)	Section 2004 2006 O&M,, None,,,,,,	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank	0 0 0 - 0 486 0 0
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System	Section 2004 2006 0&M,, None,,,,,,	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.)	0 0 0 - 0 486 0 1
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production	section 2004 2006 0&M,, None,,,,,, 9 1	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km):	0 0 0 - 0 486 0 1 700 39,208
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system	Section 2004 2006 0&M,, None,,,,,,	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.)	0 0 0 - 0 486 0 1 700
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well	Section 2004 2006 0&M,, None,,,,,, 9 1 In operation Groundwater,	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems	0 0 0 - 0 0 486 0 1 700 39,208 85
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.)	section 2004 2006 0&M,, None,,,,,, 9 1 In operation Groundwater,	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.)	0 0 0 - 0 486 0 1 700 39,208
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.)	section 2004 2006 0&M,, None,,,,,, 9 1 In operation Groundwater, 3 0	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells	0 0 0 - 0 486 0 1 700 39,208 85 N
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m)	duced) nce of Positive PIs Section 2004 2006 0&M,, None,,,,,, 9 1 In operation Groundwater, 3 0 332	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems	0 0 0 - 0 0 486 0 1 700 39,208 85
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs)	section 2004 2006 0&M,, None,,,,,, 9 1 In operation Groundwater, 3 0	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells	0 0 0 - 0 486 0 1 700 39,208 85 N
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m)	duced) nce of Positive PIs Section 2004 2006 0&M,, None,,,,,, 9 1 In operation Groundwater, 3 0 332	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells	0 0 0 - 0 486 0 1 700 39,208 85 N
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C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs) Ave. current capacity per unit (m³/hrs)	duced) nce of Positive PIs Section 2004 2006 0&M,, None,,,,,, 9 1 In operation Groundwater, 3 0 332 13 13	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells	0 0 0 - 0 486 0 1 700 39,208 85 N
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs) Ave. current capacity per unit (m³/hrs) Ave. production hours, Summer (hrs/day) Total production, Summer (m³/day)	duced) nce of Positive PIs Section 2004 2006 0&M,, None,,,,,, 9 1 In operation Groundwater, 3 0 332 13 13 14	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells Pump Treatment plant	0 0 0 - 0 0 486 0 1 700 39,208 85 N
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs) Ave. current capacity per unit (m³/hrs) Ave. production hours, Summer (hrs/day) Total production, Summer (m³/day) Teatment plants (Nos.)	duced) nce of Positive PIs Section 2004 2006 0&M,, None,,,,,, 9 1 In operation Groundwater, 3 0 332 13 13 14 531	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells Pump Treatment plant Pipeline	0 0 0 - 0 0 486 0 1 700 39,208 85 N
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs) Ave. current capacity per unit (m³/hrs) Ave. production hours, Summer (hrs/day) Total production, Summer (m³/day) Teatment plants (Nos.) AIRP	duced) nce of Positive PIs Section 2004 2006 0&M,, None,,,,,, 9 1 In operation Groundwater, 3 0 332 13 13 14 531	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells Pump Treatment plant	Of Negative PIs 0 0 0 - 0 0 486 0 1 700 39,208 85 N
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs) Ave. current capacity per unit (m³/hrs) Ave. production hours, Summer (hrs/day) Total production, Summer (m³/day) Teatment plants (Nos.) AIRP IRP	duced) nce of Positive PIs Section 2004 2006 0&M,, None,,,,,, 9 1 In operation Groundwater, 3 0 332 13 13 14 531	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells Pump Treatment plant Pipeline Customer water meter	Of Negative PIs 0 0 - 0 0 486 0 1 700 39,208 85 N N Leakage problem No problem
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs) Ave. current capacity per unit (m³/hrs) Ave. production hours, Summer (hrs/day) Total production, Summer (m³/day) Teatment plants (Nos.) AIRP IRP Surface water treatment plants	duced) nce of Positive PIs Section 2004 2006 0&M,, None,,,,,, 9 1 In operation Groundwater, 3 0 332 13 13 14 531 0 1	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells Pump Treatment plant Pipeline	Of Negative PIs 0 0 0 - 0 0 486 0 1 700 39,208 85 N
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs) Ave. current capacity per unit (m³/hrs) Ave. production hours, Summer (hrs/day) Total production, Summer (m³/day) Teatment plants (Nos.) AIRP IRP Surface water treatment plants Plants not in operation	duced) nce of Positive PIs Section 2004 2006 0&M,, None,,,,,, 9 1 In operation Groundwater, 3 0 332 13 13 14 531 0 1 0 1 0 0	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells Pump Treatment plant Pipeline Customer water meter House connection	0 0 0 - 0 0 486 0 1 1 700 39,208 85 N N N Leakage problem
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs) Ave. current capacity per unit (m³/hrs) Ave. production hours, Summer (hrs/day) Total production, Summer (m³/day) Teatment plants (Nos.) AIRP IRP Surface water treatment plants	section 2004 2006 0&M,, None,,,,,, 9 1 In operation Groundwater, 3 0 332 13 13 14 531 0 1 0 0 0 0	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells Pump Treatment plant Pipeline Customer water meter House connection O&M manuals (Nos.)	Of Negative PIs 0 0 - 0 0 486 0 1 700 39,208 85 N N Leakage problem No problem
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs) Ave. production hours, Summer (m³/hay) Total production, Summer (m³/day) Teatment plants (Nos.) AIRP IRP Surface water treatment plants Plants not in operation Production of plant Total capacity (m³/hrs)	duced) nce of Positive PIs Section 2004 2006 0&M,, None,,,,,, 9 1 In operation Groundwater, 3 0 332 13 13 14 531 0 1 0 1 0 0	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells Pump Treatment plant Pipeline Customer water meter House connection	0 0 0 - 0 0 486 0 1 700 39,208 85 N N Leakage problem
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs) Ave. current capacity per unit (m³/hrs) Ave. production hours, Summer (ms/day) Total production, Summer (m³/day) Teatment plants (Nos.) AIRP IRP Surface water treatment plants Plants not in operation Production of plant	section 2004 2006 0&M,, None,,,,,, 9 1 In operation Groundwater, 3 0 332 13 13 14 531 0 1 0 0 0 0	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells Pump Treatment plant Pipeline Customer water meter House connection O&M manuals (Nos.)	0 0 0 - 0 0 486 0 1 700 39,208 85 N N Leakage problem Leakage problem 0
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs) Ave. production hours, Summer (m³/hay) Total production, Summer (m³/day) Teatment plants (Nos.) AIRP IRP Surface water treatment plants Plants not in operation Production of plant Total capacity (m³/hrs)	duced) nce of Positive PIs Section 2004 2006 0&M,, None,,,,,, 9 1 In operation Groundwater, 3 0 332 13 13 14 531 0 1 0 0 1 0 0 0 40	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells Pump Treatment plant Pipeline Customer water meter House connection O&M manuals (Nos.) O&M assistance form DPHE	Of Negative PIs 0 0 0 - 0 0 486 0 1 700 39,208 85 N N Leakage problem No problem Leakage problem O No

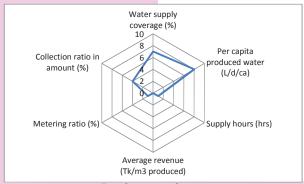
3. Needs of Rehabilitation and Expansio	•	House connection fee (1/2") (Tk)	700
Rehabilitation		Tariff adopted year	2006
Production tube well	No	Tariff setting policy	,,,,,
Treatment plant	No	Tariff Setting policy	,,,,,
· ·		7 Water Quality Menitoring	
Distribution network	No	7. Water Quality Monitoring	No
Expansion	Wa a	Water quality monitoring plan	No
Production tube well	Yes	Parameters checked	-
Treatment plant	Yes	Frequency of quality test	-
Distribution network	Yes	Nos. of sampling location /year	-
4. Customer Service (Service indicators)		Water quality problems	
Coverage area (km²)	5		
Population served (people)	12,600		
Service connections (Nos.)	1,104	8. Problems and Priority Needs	
Domestic	1,073	Major 3 problems	
Public tap/ stand pipe	0	(1)	Low Coverage
Public institutions	2		
Commercial & industrial	29	(2)	Insufficient technical &
Others	0		managerial capacity
Total	1,104	(3)	aging facilities
Metered connections (Nos.)	1,104		
Applications outstanding (Nos.)	1,100	Major 3 priority needs	
New connections in 2010/2011 (Nos.)	85		Increase of water pressure
Average waiting time (days)	3	(1)	. 2222 2. Mater pressure
Water pressure at the end of network	, , Low,	(2)	Increase of production capacity
Continuity of service (hrs/day)	5	(2)	case of production capacity
, , , , , ,		(2)	Capacity building for staff and
Customer with 24 hrs supply (%)	0	(3)	management
Annual complaints (Nos.)	88	O Post and On sales Dustrate and T. 1.1	-
Major complaints	Domanding minimum 7 h	9. Past and On-going Projects and Trainin	R
(1	Demanding minimum 7 hours supply	(1) Past 10 years projects	
		Name	-
(2	Low pressure at ending area		-
		Period	-
(3	Leakage repair	Funding agency	-
		Executing agency	-
5. Financial Information (FY2010/11)		(2) Past 10 years projects	-
Annual budget (Tk)	5,328,817	Name	-
Annual revenue (Tk)	5,370,125		-
Annual expenditure (Tk)	3,677,836	Period	-
Annual O&M Costs (Tk)	2,312,492	Funding agency	-
Annual billings (Tk)	3,495,589	Executing agency	-
Annual collections (Tk)	2,468,774	On-going projects	-
Water arrears (Tk)	No data	Name	-
Electricity arrears (Tk)	0		-
Payment methods	, Bank	Period	_
Self-billing	No	Funding agency	_
Billing frequency	Monthly	Executing agency	_
	· ·		0
6. Water Tariff and Metering (See Tariff	· ·	Training No. of training	
Tariff Structure	Metered rate	Nos. of Staff	3
Dayword 42 (4/01) (7)		Nos. of Staff	3 Billion Coffeenan
Domestic 13 mm (1/2") (Tk/month)	0	Name of training (1)	Billing Software
Non-domestic lowest (Tk/month)	0	Name of training (2)	Basic Computer
Lowest volumetric charge (Tk/m³)	9	Name of training (3)	Accounting
D. Non-Piped Water Supply Area			
1. Necessity of Piped Water Supply		Main treatment method in domestic	None, , ,
Necessity of		As contaminated wells (Nos.)	Do not know
Piped water	Yes	Arsenic contaminated water supply (%)	Do not know
Water meter	Yes	Unhygienic drinking water (%)	Do not know
Reasons	To minimize wastage of water. To know the actual	% of people using neighbor's well for drinking	15
	water volume that is used.	Problems in non-piped water supply area	Arsenic, Iron
Affordability (0	2 Potential Water Sources for Non-Bina	Matar Supply System
Affordability (answered by pourashava staff)	0	3. Potential Water Sources for Non-Piped	
Average household income/month (Tk)	11,000	Potential water sources	Evaluation WQ problems
Affordability for piped water (Tk/month)	300	Shallow well	Moderate(Arsenic, Iron
		Deep well	High Iron
Affordable price in total household income (%)	3		i i i
Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped W	ater Supply Area	Surface water sources	
Affordable price in total household income (%)	Vater Supply Area Nos. of source Drinking (%) Domestic (%)	Other sources	No 0
Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped W	Nos. of source Drinking (%) Domestic (%) 0 0 0	Other sources	No 0
Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped W Source	Vater Supply Area Nos. of source Drinking (%) Domestic (%)	Other sources Decrease of ground water level	No 0
Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped W Source River	Nos. of source Drinking (%) Domestic (%) 0 0 0	Other sources Decrease of ground water level Shallow well (m/year)	
Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped W Source River Shallow well	Nos. of source	Other sources Decrease of ground water level Shallow well (m/year) Deep well (m/year)	
Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped W Source River Shallow well Deep well	Nos. of source	Other sources Decrease of ground water level Shallow well (m/year) Deep well (m/year)	

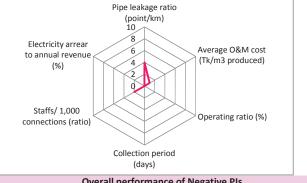
Rangamati With Piped Water Supply System

A. Pourashava Profile Class Sanitation coverage Division Chittagong Latrine with septic tank (%) 20 District Rangamati Water sealed slab latrine (%) 50 Year established 1972 Water-related diseases Contact Tel/Fax Tel: 0351-62322, Fax: 0351-61998 E-mail rangamati.pourashava@yahoo.com Technical staff (Nos.) Population (FY2010/2011) 87,738 Financial statements (2010/2011) Nos. of households (FY2010/2011) 16,500 Annual budget (Tk) 90,677,324 Literacy (%) 70 Revenue (Tk) 62,521,115 Land area (km²) 69 Expenditure (Tk) 51,449,000 Holding tax management, Accounting, Trade Computerization Residential area (km²) 6 license, Salary payment, Rate schedule and estimate preparation, Engineering, Yearly Residential area pop. density (persons/ha) 136 Electricity coverage (%) 60 logical budget preparation, Procurement, Electricity availability (hrs) Committee formed Summer 15 TLCC /Frequency of meeting Yes, 3 months Winter 20 WATSAN/Frequency of meeting Yes, 2 months B. Key Performance Indicators (Efficiency Indicators) Water supply coverage (%) 40 Metering ratio (%) 0

Per capita produced water (L/d/ca) 177 Supply Hour (Hrs) 2 Non-revenue water (NRW) (%) Pipe leakage ratio (point/km) 1.3 Average revenue (Tk/m3 produced) No data Average O&M cost (Tk/m3 produced) 0.8

Operating ratio (%) No data Collection ratio in amount (%) 71 Collection period (days) No data Staffs/ 1,000 connections (ratio) Electricity arrear to annual revenue (%) No data





Overall performance of Positive Pls

Overall performance of Negative PIs

Mater Supply Profil

C. Water Supply Profile			
1. General Information of Water Supply	Section	Chlorination points (Nos.)	
Water section established (year)	Do not know	PTW	-
Piped system introduced (year)	1972	IRP/AIRP	-
Pourashava responsibility	O&M, ,	Surface WTP	3
		Bulk flow meters (Nos.)	0
Computerization/Automation	, Billing, , , , ,	Bulk flow meter readings (Nos.)	0
		Total production, Summer (m ³ /day)	6,200
Staff in water section (Nos.)	26	(2) Distribution	
In which, staff with diploma or higher	2	Overhead tank	0
qualification (Nos.)			
2. Water Supply System		Overhead tanks (Nos.)	0
Operation of water supply facilities	In operation	Total capacity (m ³)	0
(1) Production		Distribution network (km):	136,000
Water sources for piped system	, River	Leakages in distribution (Nos.)	180
Production tube well		(3) O&M Problems	
PTW (Nos.)	0	Production wells	
PTW not in operation (Nos.)	0		
Ave. depth (m)	0	Pump	Very old
Capacity at commission (m ³ /hrs)	0		
Ave. current capacity per unit (m ³ /hrs)	0	Treatment plant	Very old
Ave. production hours, Summer (hrs/day)	0		
Total production, Summer (m ³ /day)	0	Pipeline	Leakage and damaged pipe line
Teatment plants (Nos.)			
AIRP	0	Customer water meter	
IRP	0		
Surface water treatment plants	3	House connection	Leakage
Plants not in operation	0		
Production of plant	0	O&M manuals (Nos.)	2
Total capacity (m ³ /hrs)	397	O&M assistance form DPHE	No
Production hours, Summer (hrs/day)	20	Annual leakages (Nos.)	180
Total production (m ³ /day)	6,200	Leakage detection activity	No

Standard of Rehabilitation and Expansion Rehabilitation No	Rehabilitation Production tube well Treatment plant Distribution network Expansion Production tube well Treatment plant Distribution network Customer Service (Service indicate Coverage area (km²)	sion	No	Tariff adopted year	2009	
Production tube well Distribution network Expansion Production tube well	Production tube well Treatment plant Distribution network Expansion Production tube well Treatment plant Distribution network Customer Service (Service indicate Coverage area (km²)					
Treatment plant Distribution network Expansion Production tube well Treatment plant Distribution network Production tube well Treatment plant Distribution network Production network Pr	Treatment plant Distribution network Expansion Production tube well Treatment plant Distribution network Customer Service (Service indicate Coverage area (km²)			Tariff setting policy	,,,,,	
Distribution network Yes Paganism Production tube well Yes Treatment plant Yes Yes Yes Treatment plant Yes Y	Distribution network Expansion Production tube well Treatment plant Distribution network Customer Service (Service indicate Coverage area (km²)		Yes			
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Non-domestic lowest (Tk/month) 400 Name of training (2) - Lowest volumetric charge (Tk/m³) 0 Name of training (3) - D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped Water Supply Necessity of Piped Water Supply Necessity of As contaminated wells (Nos.) Do not know Piped water Yes Water meter Yes Reasons By knowing how much water are delivered to the consumers, we can save water and reduce waste in Problems in pop piced water supply area.					U	
Lowest volumetric charge (Tk/m³) 0 Name of training (3) - D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped Water Supply Necessity of Piped water Piped water Water meter Reasons Pyes By knowing how much water are delivered to the consumers, we can save water and reduce waste in Problems in population water supply area.	Domestic 13 mm (1/2") (Tk/month)		80	Name of training (1)	-	
D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped Water Supply Necessity of As contaminated wells (Nos.) Piped water Water meter Reasons Pyknowing how much water are delivered to the consumers, we can save water and reduce waste in Problems in population water supply area. Problems in population water supply area. Problems in population water supply area.	Non-domestic lowest (Tk/month)		400	Name of training (2)	-	
D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Yes Water meter Reasons Psyknowing how much water are delivered to the consumers, we can save water and reduce waste in Problems in peopling durater supply area. Nain treatment method in domestic properties of the contaminated wells (Nos.) As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) Problems in peopling durater supply area. Problems in peopling durater supply area.	Lowest volumetric charge (Tk/m ³)		0	Name of training (3)	-	
1. Necessity of Piped Water Supply Necessity of Piped water Piped water Piped water Ves Water meter Reasons Pyknowing how much water are delivered to the consumers, we can save water and reduce waste in Nain treatment method in domestic As contaminated wells (Nos.) Do not know Unhygienic drinking water (%) Do not know % of people using neighbor's well for drinking 12		а				
Necessity of Piped water Yes Arsenic contaminated wells (Nos.) Do not know Arsenic contaminated water supply (%) Unhygienic drinking water (%) Po not know Unhygienic drinking water (%) Po not know No of people using neighbor's well for drinking Techloms in non-piped water supply area.		<u>.</u>		Main treatment mother in demonst	mila a *	20
Piped water Yes Arsenic contaminated water supply (%) Unhygienic drinking water (%) Peasons By knowing how much water are delivered to the consumers, we can save water and reduce waste in Problems in page piped water supply accounts from orders.						
Water meter Yes Unhygienic drinking water (%) Do not know Reasons By knowing how much water are delivered to the consumers, we can save water and reduce waste in Problems in page pixed water surply accounts from orders.						W
Reasons By knowing how much water are delivered to the consumers, we can save water and reduce waste in Problems in page pined water supply ago. Problems in page pined water supply ago.	· · · · · · · · · · · · · · · · · · ·		Yes	Arsenic contaminated water supply (%)		
consumers, we can save water and reduce waste in	Water meter		Yes	Unhygienic drinking water (%)	Do not kno	w
consumers, we can save water and reduce waste in	Reasons			% of people using neighbor's well for drinking	12	
nousenoru.					Iron, odour,	
			nousenoia.	F.F. T. T. Scot. Supply at Cu		
Affordability (answered by pourashava staff) 0 3. Potential Water Sources for Non-Piped Water Supply System						1
Average household income/month (Tk) 9,000 Potential water sources <u>Evaluation</u> <u>WQ problem</u>	Average household income/month (T	k)	9,000	Potential water sources	Evaluation	WQ problems
Affordability for piped water (Tk/month) 360 Shallow well Moderate Iron			360	Shallow well	Moderate	Iron
Affordable price in total household income (%) 4 Deep well High No problem	Affordable price in total household income (%)		4	Deep well	High	No problem
2. Exiting Water Sources in Non-Piped Water Supply Area Surface water sources High Potable water	Exiting Water Sources in Non-Pine	d W	ater Supply Area	•		
Source Nos. of source Drinking (%) Domestic (%) Other sources No 0						
						-
River 0 0 Decrease of ground water level						
Shallow well 500 59 20 Shallow well (m/year)				, . , ,		
Deep well 2 1 0 Deep well (m/year)	Deep well			, ,		
Ponds 0 0 0	Ponds		0 0 0			
	Other sources		350 40 80			

Rangpur

Rangpur			With Piped Water Supply System
A. Pourashava Profile			
Class	A	Sanitation coverage	
Division	Rangpur	Latrine with septic tank (%)	65
District	Rangpur	Water sealed slab latrine (%)	20
Year established	1879	Water-related diseases	
Contact Tel/Fax	Tel: 0521-65186 Fax: 0521-64858	water-related diseases	,,,,,
	Tel. 0321-03160 Fax. 0321-04636	Tankatan harff (Nan)	20
E-mail	005 000	Technical staff (Nos.)	29
Population (FY2010/2011)	896,000	Financial statements (2010/2011)	275 242 222
Nos. of households (FY2010/2011)	103,000	Annual budget (Tk)	376,340,000
Literacy (%)	65	Revenue (Tk)	187,430,000
Land area (km²)	203	Expenditure (Tk)	184,510,000
Residential area (km²)	104	Computerization	Holding tax management, Accounting, Trade license, Salary payment, Rate schedule and
Residential area pop. density (persons/ha)	86		estimate preparation, Engineering, Yearly
Electricity coverage (%)	90		logical budget preparation, Procurement,
Electricity availability (hrs)		Committee formed	
Summer	14	TLCC /Frequency of meeting	Yes, 3 months
Winter	22	WATSAN/Frequency of meeting	Yes, 3 months
B. Key Performance Indicators (E	ficiency Indicators)		
Water supply coverage (%)	33	Metering ratio (%)	0
Per capita produced water (L/d/ca)	16	Operating ratio (%)	103
Supply Hour (Hrs)	10	Collection ratio in amount (%)	39
Non-revenue water (NRW) (%)	28.24	Collection period (days)	207
Pipe leakage ratio (point/km)	1.6	Staffs/ 1,000 connections (ratio)	8
Average revenue (Tk/m3 produced)	3.1	Electricity arrear to annual revenue (%)	273
Average O&M cost (Tk/m3 produced)	3.2		
Wate	r supply	Pipe leakage ratio	
	age (%)	(point/km)	
10 8		10	
Collection ratio in 6	Per capita	Electricity arrear	Average O&M cost
amount (%)	produced water	to annual revenue	(Tk/m3 produced)
2	(L/d/ca)	(%)	(my ms produced)
			\
		Staffs/ 1,000	<u> </u>
Metering ratio (%)	Supply hours (hrs)	connections (ratio)	Operating ratio (%)
		Connections (ratio)	
		connections (ratio)	
	2 revenue		
Averag	e revenue produced)	Collection period	
Averag (Tk/m3	produced)	Collection period (days)	
Averag (Tk/m3 Overall perform		Collection period	
Averag (Tk/m3 Overall performa C. Water Supply Profile	produced) nce of Positive PIs	Collection period (days)	
Averag (Tk/m3 Overall perform	produced) nce of Positive PIs	Collection period (days)	
Averag (Tk/m3 Overall performa C. Water Supply Profile	produced) nce of Positive PIs	Collection period (days) Overall performance	
Averag (Tk/m3 Overall performa C. Water Supply Profile 1. General Information of Water Suppl	produced) Ince of Positive PIs In Section	Collection period (days) Overall performance Chlorination points (Nos.)	of Negative PIs
Averag (Tk/m3) Overall performs C. Water Supply Profile 1. General Information of Water Suppl Water section established (year)	produced) nce of Positive PIs Section 1973	Collection period (days) Overall performance Chlorination points (Nos.) PTW	of Negative PIs
Averag (Tk/m3) Overall performa C. Water Supply Profile 1. General Information of Water Suppl Water section established (year) Piped system introduced (year)	roduced) nce of Positive PIs Section 1973 1961	Collection period (days) Overall performance Chlorination points (Nos.) PTW IRP/AIRP Surface WTP	of Negative PIs 0 2
Averag (Tk/m3) Overall performs C. Water Supply Profile 1. General Information of Water Suppl Water section established (year) Piped system introduced (year) Pourashava responsibility	roduced) nce of Positive PIs / Section 1973 1961 O&M, , Part of construction	Collection period (days) Overall performance Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.)	of Negative PIs 0 2 - 7
Averag (Tk/m3) Overall performa C. Water Supply Profile 1. General Information of Water Suppl Water section established (year) Piped system introduced (year)	roduced) nce of Positive PIs Section 1973 1961	Collection period (days) Overall performance Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.)	of Negative PIs 0 2 - 7 5
Averag (Tk/m3) Overall performs C. Water Supply Profile 1. General Information of Water Suppl Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation	roduced) nce of Positive PIs / Section 1973 1961 O&M, , Part of construction , Billing, , , , ,	Collection period (days) Overall performance Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day)	of Negative PIs 0 2 - 7
Averag (Tk/m3) Overall performs C. Water Supply Profile 1. General Information of Water Suppl Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.)	roduced) roce of Positive PIs r Section 1973 1961 O&M, , Part of construction , Billing, , , , , 36	Collection period (days) Overall performance Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution	of Negative PIs 0 2 - 7 5 4,860
Averag (Tk/m3) Overall performs C. Water Supply Profile 1. General Information of Water Suppl Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation	roduced) nce of Positive PIs / Section 1973 1961 O&M, , Part of construction , Billing, , , , ,	Collection period (days) Overall performance Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day)	of Negative PIs 0 2 - 7 5
Averag (Tk/m3) Overall performs C. Water Supply Profile 1. General Information of Water Suppl Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher	roduced) roce of Positive PIs r Section 1973 1961 O&M, , Part of construction , Billing, , , , , 36	Collection period (days) Overall performance Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution	of Negative PIs 0 2 - 7 5 4,860
Averag (Tk/m3) Overall performs C. Water Supply Profile 1. General Information of Water Suppl Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.)	roduced) roce of Positive PIs r Section 1973 1961 O&M, , Part of construction , Billing, , , , , 36	Collection period (days) Overall performance Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank	0 2 - 7 5 4,860 0
Averag (Tk/m3) Overall performs C. Water Supply Profile 1. General Information of Water Suppl Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System	y Section 1973 1961 0&M,, Part of construction , Billing,,,,, 36 3	Collection period (days) Overall performance Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.)	0 2 - 7 5 4,860 0 5 3,400
Averag (Tk/m3 Overall performs C. Water Supply Profile 1. General Information of Water Suppl Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production	y Section 1973 1961 0&M,, Part of construction , Billing,,,,, 36 3 In operation	Collection period (days) Overall performance Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km):	0 2 - 7 5 4,860 0 5 3,400 135,250
Averag (Tk/m3 Overall performs C. Water Supply Profile 1. General Information of Water Suppl Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system	y Section 1973 1961 0&M,, Part of construction , Billing,,,,, 36 3	Collection period (days) Overall performance Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.)	0 2 - 7 5 4,860 0 5 3,400
Averag (Tk/m3) Overall performs C. Water Supply Profile 1. General Information of Water Suppl Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well	produced) Ince of Positive PIs I Section 1973 1961 O&M, , Part of construction , Billing, , , , , 36 3 In operation Groundwater,	Collection period (days) Overall performance Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems	0 2 - 7 5 4,860 0 5 3,400 135,250 220
Averag (Tk/m3) Overall performs C. Water Supply Profile 1. General Information of Water Suppl Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.)	produced) Ince of Positive PIs I Section 1973 1961 O&M, , Part of construction , Billing, , , , , 36 3 In operation Groundwater,	Collection period (days) Overall performance Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.)	0 2 - 7 5 4,860 0 5 3,400 135,250
Averag (Tk/m3) Overall performs C. Water Supply Profile 1. General Information of Water Suppl Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.)	produced) Ince of Positive PIs V Section 1973 1961 0&M, , Part of construction , Billing, , , , , 36 3 In operation Groundwater, 9 0	Collection period (days) Overall performance Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells	0 2 - 7 5 4,860 0 5 3,400 135,250 220 Low yield
Averag (Tk/m3 Overall performs C. Water Supply Profile 1. General Information of Water Suppl Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m)	produced) Ince of Positive PIs V Section 1973 1961 0&M, , Part of construction , Billing, , , , , 36 3 In operation Groundwater, 9 0 83	Collection period (days) Overall performance Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems	0 2 - 7 5 4,860 0 5 3,400 135,250 220
Averag (Tk/m3 Overall performs C. Water Supply Profile 1. General Information of Water Suppl Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs)	produced) Ince of Positive PIs V Section 1973 1961 0&M, , Part of construction , Billing, , , , , 36 3 In operation Groundwater, 9 0 83 107	Collection period (days) Overall performance Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells Pump	Of Negative PIs 0 2 - 7 5 4,860 0 5 3,400 135,250 220 Low yield All pumps are very old and bearing of pump motor is worn out. Efficiency reduced.
Averag (Tk/m3) Overall performs C. Water Supply Profile 1. General Information of Water Suppl Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs) Ave. current capacity per unit (m³/hrs)	produced) Ince of Positive PIs I Section 1973 1961 0&M, , Part of construction , Billing, , , , , 36 3 In operation Groundwater, 9 0 83 107 84	Collection period (days) Overall performance Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells	0 2 - 7 5 4,860 0 5 3,400 135,250 220 Low yield All pumps are very old and bearing of pump
Averag (Tk/m3 Overall performs C. Water Supply Profile 1. General Information of Water Suppl Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs) Ave. current capacity per unit (m³/hrs) Ave. production hours, Summer (hrs/day)	produced) Ince of Positive PIs I Section 1973 1961 0&M, , Part of construction , Billing, , , , , 36 3 In operation Groundwater, 9 0 83 107 84 7	Collection period (days) Overall performance Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells Pump Treatment plant	of Negative PIs 0 2 - 7 5 4,860 0 5 3,400 135,250 220 Low yield All pumps are very old and bearing of pump motor is worn out. Efficiency reduced. High lift pumps are frequently breaking. Needs good repair.
Averag (Tk/m3) Overall performs C. Water Supply Profile 1. General Information of Water Suppl Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs) Ave. current capacity per unit (m³/hrs) Ave. production hours, Summer (hrs/day) Total production, Summer (m³/day)	produced) Ince of Positive PIs I Section 1973 1961 0&M, , Part of construction , Billing, , , , , 36 3 In operation Groundwater, 9 0 83 107 84	Collection period (days) Overall performance Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells Pump	of Negative PIs 0 2 - 7 5 4,860 0 5 3,400 135,250 220 Low yield All pumps are very old and bearing of pump motor is worn out. Efficiency reduced. High lift pumps are frequently breaking. Needs good repair. AC pipelines shows frequent leakage and
Averag (Tk/m3 Overall performs C. Water Supply Profile 1. General Information of Water Suppl Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs) Ave. current capacity per unit (m³/hrs) Ave. production hours, Summer (hrs/day)	produced) Ince of Positive PIs I Section 1973 1961 0&M, , Part of construction , Billing, , , , , 36 3 In operation Groundwater, 9 0 83 107 84 7	Collection period (days) Overall performance Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells Pump Treatment plant	of Negative PIs 0 2 - 7 5 4,860 0 5 3,400 135,250 220 Low yield All pumps are very old and bearing of pump motor is worn out. Efficiency reduced. High lift pumps are frequently breaking. Needs good repair.
Averag (Tk/m3) Overall performs C. Water Supply Profile 1. General Information of Water Suppl Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs) Ave. current capacity per unit (m³/hrs) Ave. production hours, Summer (hrs/day) Total production, Summer (m³/day)	produced) Ince of Positive PIs I Section 1973 1961 0&M, , Part of construction , Billing, , , , , 36 3 In operation Groundwater, 9 0 83 107 84 7	Collection period (days) Overall performance Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells Pump Treatment plant	of Negative PIs 0 2 - 7 5 4,860 0 5 3,400 135,250 220 Low yield All pumps are very old and bearing of pump motor is worn out. Efficiency reduced. High lift pumps are frequently breaking. Needs good repair. AC pipelines shows frequent leakage and
Averag (Tk/m3 Overall performs C. Water Supply Profile 1. General Information of Water Suppl Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs) Ave. current capacity per unit (m³/hrs) Ave. production hours, Summer (hrs/day) Total production, Summer (m³/day) Teatment plants (Nos.)	produced) Ince of Positive PIs I Section 1973 1961 0&M, , Part of construction , Billing, , , , , 36 3 In operation Groundwater, 9 0 83 107 84 7 4,860	Collection period (days) Overall performance Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells Pump Treatment plant Pipeline	of Negative PIs 0 2 - 7 5 4,860 0 5 3,400 135,250 220 Low yield All pumps are very old and bearing of pump motor is worn out. Efficiency reduced. High lift pumps are frequently breaking. Needs good repair. AC pipelines shows frequent leakage and
Averag (Tk/m3 Overall performs C. Water Supply Profile 1. General Information of Water Suppl Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs) Ave. current capacity per unit (m³/hrs) Ave. production hours, Summer (hrs/day) Total production, Summer (m³/day) Teatment plants (Nos.) AIRP	produced) Ince of Positive PIs I Section 1973 1961 0&M, , Part of construction , Billing, , , , , 36 3 In operation Groundwater, 9 0 83 107 84 7 4,860 0	Collection period (days) Overall performance Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells Pump Treatment plant Pipeline	of Negative PIs 0 2 - 7 5 4,860 0 5 3,400 135,250 220 Low yield All pumps are very old and bearing of pump motor is worn out. Efficiency reduced. High lift pumps are frequently breaking. Needs good repair. AC pipelines shows frequent leakage and
Averag (Tk/m3 Overall performs C. Water Supply Profile 1. General Information of Water Suppl Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs) Ave. current capacity per unit (m³/hrs) Ave. production hours, Summer (hrs/day) Total production, Summer (m³/day) Teatment plants (Nos.) AIRP IRP Surface water treatment plants	produced) Ince of Positive PIs I Section 1973 1961 O&M, , Part of construction , Billing, , , , , 36 3 In operation Groundwater, 9 0 83 107 84 7 4,860 0 2 0	Collection period (days) Overall performance Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells Pump Treatment plant Pipeline Customer water meter	of Negative PIs 0 2 - 7 5 4,860 0 5 3,400 135,250 220 Low yield All pumps are very old and bearing of pump motor is worn out. Efficiency reduced. High lift pumps are frequently breaking. Needs good repair. AC pipelines shows frequent leakage and contaminate supply water.
Averag (Tk/m3 Overall performs C. Water Supply Profile 1. General Information of Water Suppl Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs) Ave. current capacity per unit (m³/hrs) Ave. production hours, Summer (hrs/day) Total production, Summer (m³/day) Teatment plants (Nos.) AIRP IRP Surface water treatment plants Plants not in operation	produced) Ince of Positive PIs I Section 1973 1961 O&M, , Part of construction , Billing, , , , , 36 3 In operation Groundwater, 9 0 83 107 84 7 4,860 0 2 0 0	Collection period (days) Overall performance Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells Pump Treatment plant Pipeline Customer water meter House connection	of Negative PIs 0 2 - 7 5 4,860 0 5 3,400 135,250 220 Low yield All pumps are very old and bearing of pump motor is worn out. Efficiency reduced. High lift pumps are frequently breaking. Needs good repair. AC pipelines shows frequent leakage and contaminate supply water. Leakage due to old fittings.
Averag (Tk/m3) Overall performs C. Water Supply Profile 1. General Information of Water Suppl Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs) Ave. current capacity per unit (m³/hrs) Ave. production hours, Summer (hrs/day) Total production, Summer (m³/day) Teatment plants (Nos.) AIRP IRP Surface water treatment plants Plants not in operation Production of plant	produced) Ince of Positive PIs I Section 1973 1961 O&M, , Part of construction , Billing, , , , , 36 3 In operation Groundwater, 9 0 83 107 84 7 4,860 0 2 0 0 0	Collection period (days) Overall performance Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells Pump Treatment plant Pipeline Customer water meter House connection O&M manuals (Nos.)	of Negative PIs 0 2 - 7 5 4,860 0 5 3,400 135,250 220 Low yield All pumps are very old and bearing of pump motor is worn out. Efficiency reduced. High lift pumps are frequently breaking. Needs good repair. AC pipelines shows frequent leakage and contaminate supply water. Leakage due to old fittings.
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Average (Tk/m3) Overall performs: C. Water Supply Profile 1. General Information of Water Supple Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs) Ave. production hours, Summer (hrs/day) Total production, Summer (m³/day) Teatment plants (Nos.) AIRP IRP Surface water treatment plants Plants not in operation Production of plant Total capacity (m³/hrs)	produced) Ince of Positive PIs / Section 1973 1961 O&M, , Part of construction , Billing, , , , , 36 3 In operation Groundwater, 9 0 83 107 84 7 4,860 0 2 0 0 0 0 0 600	Collection period (days) Overall performance Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells Pump Treatment plant Pipeline Customer water meter House connection O&M manuals (Nos.) O&M assistance form DPHE	of Negative PIs 0 2 - 7 5 4,860 0 5 3,400 135,250 220 Low yield All pumps are very old and bearing of pump motor is worn out. Efficiency reduced. High lift pumps are frequently breaking. Needs good repair. AC pipelines shows frequent leakage and contaminate supply water. Leakage due to old fittings.

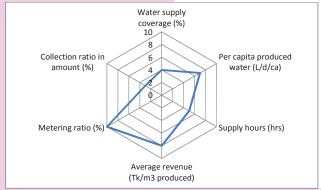
3. Needs of Rehabilitation and Expansi Rehabilitation			
Rehabilitation	on	House connection fee (1/2") (Tk)	1,000
		Tariff adopted year	1994
Production tube well	Yes	Tariff setting policy	, Operation cost recovery (O&M costs),
Treatment plant	No	· ,	,,,
Distribution network	Yes	7. Water Quality Monitoring	
Expansion	163	Water quality monitoring plan	No
	V		NO
Production tube well	Yes	Parameters checked	-
Treatment plant	Yes	Frequency of quality test	-
Distribution network	Yes	Nos. of sampling location /year	-
4. Customer Service (Service indicators		Water quality problems	High Iron
Coverage area (km²)	68		
Population served (people)	295,680		
Service connections (Nos.)	4,369	8. Problems and Priority Needs	
Domestic	4,197	Major 3 problems	
			Low soverage
Public tap/ stand pipe	29	(1)	Low coverage
Public institutions	0		
Commercial & industrial	143	(2)	In sufficient technical capacity
Others	0		m sametene teenmear capacity
Total	4,369	(3)	Less financial resources
Metered connections (Nos.)	0		
Applications outstanding (Nos.)	25	Major 3 priority needs	
	220		Increase of production capacity
New connections in 2010/2011 (Nos.)		(1)	mercase or production capacity
Average waiting time (days)	3		Distribution
Water pressure at the end of network	, , Low,	(2)	Distribution network
Continuity of service (hrs/day)	10		
Customer with 24 hrs supply (%)	0	(3)	Increase of tariff rates to cover
Annual complaints (Nos.)	200-300		O&M costs
Major complaints		9. Past and On-going Projects and Training	ng
	1) Low pressure	(1) Past 10 years projects	
	2) 2011 p. 2334.2	Name	
	2) In sufficient amondo	Name	
	2) In sufficient supply		-
		Period	-
	3) Poor water quality	Funding agency	-
		Executing agency	-
5. Financial Information (FY2010/11)		(2) Past 10 years projects	-
Annual budget (Tk)	19,800,000	Name	_
Annual revenue (Tk)	5,500,000		_
Annual expenditure (Tk)	5,670,000	Period	
Annual O&M Costs (Tk)	5,670,000	Funding agency	-
Annual billings (Tk)	5,149,651	Executing agency	-
Annual collections (Tk)	2,025,780	On-going projects	-
Water arrears (Tk)	3,123,871	Name	-
Electricity arrears (Tk)	15,000,000		37 district towns water supply project
Payment methods	, Bank	Period	2010-2012
Self-billing	No	Funding agency	GOB
Billing frequency	Monthly	Executing agency	DPHE
			0
6. Water Tariff and Metering (See Tari		Training	
Tariff Structure	Based on pipe size	Nos. of training	2
		Nos. of Staff	5
Domestic 13 mm (1/2") (Tk/month)	50	Name of training (1)	Quality of materials
Non-domestic lowest (Tk/month)	100	Name of training (2)	Water quality/Bill
	100 0	Name of training (2) Name of training (3)	- Water quality/Bill
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³)		- 1	-
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area		Name of training (3)	
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply		Name of training (3) Main treatment method in domestic	None, , ,
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of	0	Name of training (3) Main treatment method in domestic As contaminated wells (Nos.)	None, , , No data
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water	Yes	Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%)	None, , , No data No data
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of	Yes Yes	Name of training (3) Main treatment method in domestic As contaminated wells (Nos.)	None, , , No data
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water	Yes Yes - To save water and reduce waste in household.	Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%)	None, , , No data No data
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	Yes Yes	Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	None, , , No data No data No data
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	Yes Yes - To save water and reduce waste in household.	Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%)	None, , , No data No data No data 35
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	Yes Yes - To save water and reduce waste in household.	Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	None, , , No data No data No data 35
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	Yes Yes - To save water and reduce waste in household.	Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	None, , , No data No data No data 35
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons	Yes Yes - To save water and reduce waste in household Reduce non-revenue water, meter is required.	Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area	None, , , No data No data No data 35 Iron,
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff)	Yes Yes - To save water and reduce waste in household Reduce non-revenue water, meter is required.	Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area	None, , , No data No data No data 35 Iron,
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk)	Yes Yes - To save water and reduce waste in household Reduce non-revenue water, meter is required. 0 12,000	Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piped Potential water sources	None, , , No data No data No data 35 Iron, Water Supply System Evaluation WQ problems
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month	Yes Yes - To save water and reduce waste in household Reduce non-revenue water, meter is required. 0 12,000	Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area	None, , , No data No data No data 35 Iron,
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk)	Yes Yes - To save water and reduce waste in household Reduce non-revenue water, meter is required. 0 12,000	Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piped Potential water sources	None, , , No data No data No data 35 Iron, Water Supply System Evaluation WQ problems
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month Affordable price in total household income (%)	Yes Yes - To save water and reduce waste in household Reduce non-revenue water, meter is required. 0 12,000 50 0	Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piped Potential water sources Shallow well	None, , , No data No data No data 35 Iron, Water Supply System Evaluation WQ problems None High iron
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped	Yes Yes - To save water and reduce waste in household Reduce non-revenue water, meter is required. 0 12,000 50 0 Water Supply Area	Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piped Potential water sources Shallow well Deep well Surface water sources	None, , , No data No data No data 35 Iron, Water Supply System Evaluation WQ problems None High iron High High iron
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Source	Yes Yes - To save water and reduce waste in household Reduce non-revenue water, meter is required. 0 12,000 50 0 Water Supply Area Nos. of source Drinking (%) Domestic (%)	Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piped Potential water sources Shallow well Deep well Surface water sources Other sources	None, , , No data No data No data 35 Iron, Water Supply System Evaluation WQ problems None High iron
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Source River	Yes Yes - To save water and reduce waste in household Reduce non-revenue water, meter is required. 0 12,000 50 0 Water Supply Area Nos. of source Drinking (%) Domestic (%)	Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piped Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level	None, , , No data No data No data 35 Iron, Water Supply System Evaluation WQ problems None High iron High High iron FALSE 0
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Source River Shallow well	Yes Yes - To save water and reduce waste in household Reduce non-revenue water, meter is required. 0 12,000 50 0 Water Supply Area Nos. of source Drinking (%) Domestic (%) 0 0,0 90	Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piped Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year)	None, , , No data No data No data So lron, Water Supply System Evaluation WQ problems None High iron High High iron FALSE 0
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Source River Shallow well Deep well	Yes Yes - To save water and reduce waste in household Reduce non-revenue water, meter is required. 0 12,000 50 0 Water Supply Area Nos. of source Drinking (%) Domestic (%)	Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piped Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year) Deep well (m/year)	None, , , No data No data No data 35 Iron, Water Supply System Evaluation WQ problems None High iron High High iron FALSE 0
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Source River Shallow well	Yes Yes - To save water and reduce waste in household Reduce non-revenue water, meter is required. 0 12,000 50 0 Water Supply Area Nos. of source Drinking (%) Domestic (%) 0 0,0 90	Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piped Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year) Deep well (m/year)	None, , , No data No data No data So lron, Water Supply System Evaluation WQ problems None High iron High High iron FALSE 0

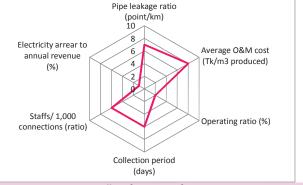
Raypur

Паураг			
A. Pourashava Profile			
Class	A	Sanitation coverage	
Division	Chittagong	Latrine with septic tank (%)	35
District	Lakshmipur	Water sealed slab latrine (%)	50
Year established	1994	Water-related diseases	,,,,,
Contact Tel/Fax	03822-56274		
E-mail		Technical staff (Nos.)	18
Population (FY2010/2011)	35,738	Financial statements (2010/2011)	
Nos. of households (FY2010/2011)	6,300	Annual budget (Tk)	24,007,920
Literacy (%)	70	Revenue (Tk)	13,964,749
Land area (km²)	10	Expenditure (Tk)	13,914,072
Residential area (km²)	4	Computerization	Holding tax management, , , , , , Yearly logical
Residential area pop. density (persons/ha)	84		budget preparation, ,
Electricity coverage (%)	70		
Electricity availability (hrs)		Committee formed	
Summer	10	TLCC /Frequency of meeting	Yes, 3 months
Winter	18	WATSAN/Frequency of meeting	Yes, 1 month
B. Key Performance Indicators (Ef	ficiency Indicators)		
Water supply coverage (%)	24	Metering ratio (%)	80
Per capita produced water (L/d/ca)	138	Operating ratio (%)	60

Per capita produced water (L/d/ca) 138
Supply Hour (Hrs) 6
Non-revenue water (NRW) (%) Pipe leakage ratio (point/km) 3.9
Average revenue (Tk/m3 produced) 8.3
Average O&M cost (Tk/m3 produced) 5

Metering ratio (%) 80
Operating ratio (%) 60
Collection ratio in amount (%) 67
Collection period (days) 140
Staffs/ 1,000 connections (ratio) 8
Electricity arrear to annual revenue (%) 0





Overall performance of Positive PIs

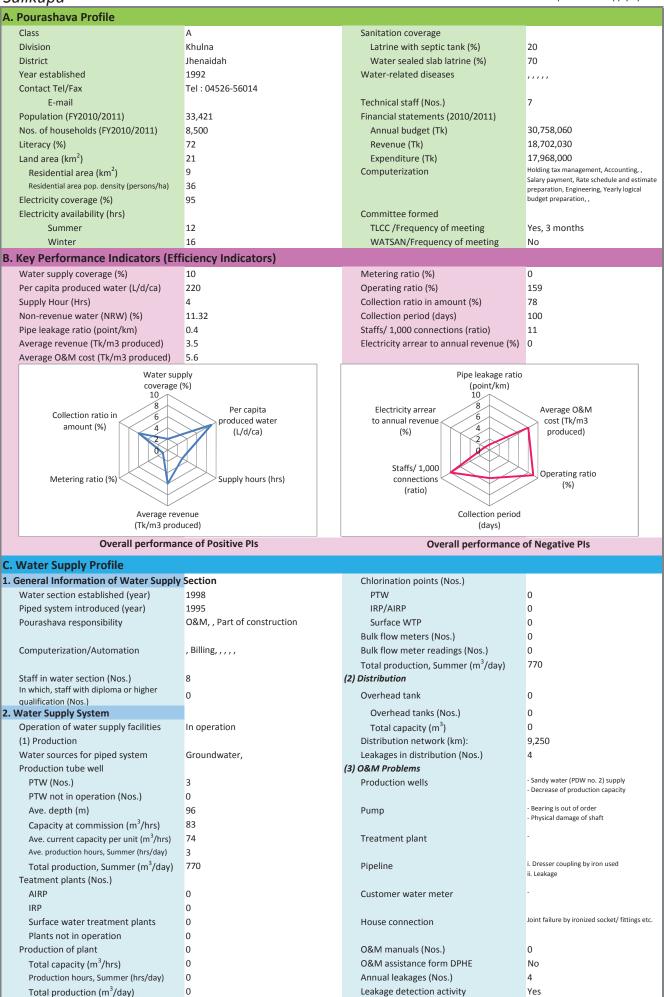
Overall performance of Negative PIs

C. Water Supply Profile

or trater capping recine			
1. General Information of Water Supply	Section	Chlorination points (Nos.)	
Water section established (year)	2004	PTW	0
Piped system introduced (year)	2002	IRP/AIRP	1
Pourashava responsibility	O&M, ,	Surface WTP	-
		Bulk flow meters (Nos.)	0
Computerization/Automation	None, , , , , ,	Bulk flow meter readings (Nos.)	0
		Total production, Summer (m ³ /day)	1,200
Staff in water section (Nos.)	13	(2) Distribution	
In which, staff with diploma or higher	3	Overhead tank	0
qualification (Nos.)	3		
2. Water Supply System		Overhead tanks (Nos.)	1
Operation of water supply facilities	In operation	Total capacity (m ³)	700
(1) Production		Distribution network (km):	32,000
Water sources for piped system	Groundwater,	Leakages in distribution (Nos.)	125
Production tube well		(3) O&M Problems	
PTW (Nos.)	3	Production wells	Decrease of production capacity
PTW not in operation (Nos.)	0		
Ave. depth (m)	358	Pump	Submersible pump problem
Capacity at commission (m ³ /hrs)	38		
Ave. current capacity per unit (m ³ /hrs)	34	Treatment plant	
Ave. production hours, Summer (hrs/day)	11		
Total production, Summer (m ³ /day)	1,200	Pipeline	Leakage
Teatment plants (Nos.)			
AIRP	0	Customer water meter	No problem
IRP	1		
Surface water treatment plants	0	House connection	Leakage
Plants not in operation	0		
Production of plant	0	O&M manuals (Nos.)	0
Total capacity (m ³ /hrs)	200	O&M assistance form DPHE	No
Production hours, Summer (hrs/day)	10	Annual leakages (Nos.)	125
Total production (m ³ /day)	1,200	Leakage detection activity	No
	· ·	,	

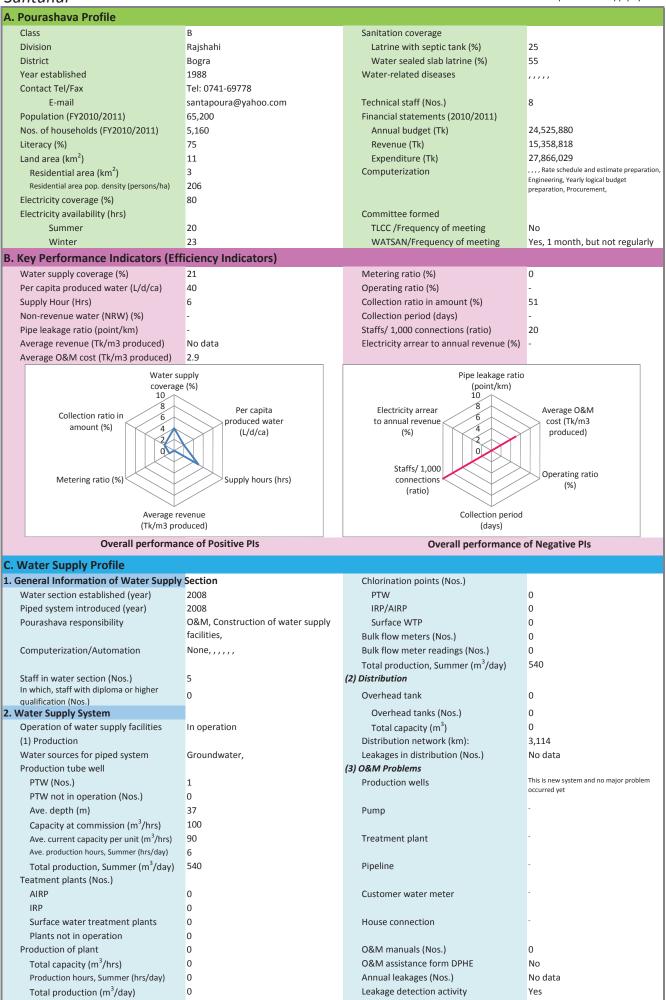
3. Needs of Rehabilitation and Expans	sion		House connection fee (1/2") (Tk)	1,000
Rehabilitation			Tariff adopted year	Sep, 2011
Production tube well	No	0	Tariff setting policy	, , , People's affordability to pay, ,
Treatment plant	No	0	· .	
Distribution network	No		7. Water Quality Monitoring	
	140	0		No
Expansion			Water quality monitoring plan	No
Production tube well	Ye	es	Parameters checked	-
Treatment plant	Ye	es	Frequency of quality test	-
Distribution network	Ye	es	Nos. of sampling location /year	-
4. Customer Service (Service indicator	ors)		Water quality problems	1. Bacteriological Problem
	2		Trace: quanty problems	2. Unlearned water due to leakage
Coverage area (km²)				
Population served (people)		,694		
Service connections (Nos.)	1,	,544	8. Problems and Priority Needs	
Domestic	1,	,524	Major 3 problems	
Public tap/ stand pipe	0		(1)	Electricity problem
Public institutions	0		` '	· ·
Commercial & industrial	20		(2)	
			(2)	Water supply area insufficient
Others	0			
Total	1,	,544	(3)	Water quality problem
Metered connections (Nos.)	1,	,240		
Applications outstanding (Nos.)	50		Major 3 priority needs	
				Increase of production capacity
New connections in 2010/2011 (Nos.)			(1)	merease or production capacity
Average waiting time (days)	12			
Water pressure at the end of network	, F	Fair, ,	(2)	Production well and pump
Continuity of service (hrs/day)	6			
Customer with 24 hrs supply (%)	0		(3)	Water flow monitoring
Annual complaints (Nos.)	72		(5)	Ü
' ' '	12	-	9. Past and On going Projects and Turining	g.
Major complaints	(4)	Valor conscillate 115	9. Past and On-going Projects and Trainin	5
	(1) W	Vater unavailability	(1) Past 10 years projects	
			Name	-
	(2) L€	eakage problem		-
			Period	_
	(2) A	verage 12hrs water supply		
	(5) A	verage 121115 water supply	Funding agency	-
			Executing agency	-
5. Financial Information (FY2010/11)			(2) Past 10 years projects	-
Annual budget (Tk)	31	1,507,920	Name	-
Annual revenue (Tk)	3.	,627,449		_
Annual expenditure (Tk)		,627,449	Period	
Annual O&M Costs (Tk)		,177,651	Funding agency	-
Annual billings (Tk)	3,	,859,484	Executing agency	-
Annual collections (Tk)	2,	,601,129	On-going projects	-
Water arrears (Tk)	1,	,390,141	Name	-
Electricity arrears (Tk)	0			_
Payment methods		Bank	Period	
'				-
Self-billing	No		Funding agency	-
Billing frequency	M	lonthly	Executing agency	-
6. Water Tariff and Metering (See Ta		atahase)	Training	
	riff Da	atabasej	ITallillig	0
Tariff Structure		Netered rate	Nos. of training	0 2
Tariff Structure			Nos. of training	
	M	letered rate	Nos. of training Nos. of Staff	2 2
Domestic 13 mm (1/2") (Tk/month)	M 24	detered rate	Nos. of Staff Name of training (1)	2 2 Water billing software
Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month)	M 24 32	40 20	Nos. of training Nos. of Staff Name of training (1) Name of training (2)	2 2
Domestic 13 mm (1/2") (Tk/month)	M 24	40 20	Nos. of Staff Name of training (1)	2 2 Water billing software
Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month)	M 24 32 12	40 20	Nos. of training Nos. of Staff Name of training (1) Name of training (2)	2 2 Water billing software
Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m ³) D. Non-Piped Water Supply Area	M 24 32 12	40 20	Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3)	2 Water billing software Refreshing water billing software
Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply	M 24 32 12	40 20	Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic	2 Water billing software Refreshing water billing software , Boiling, ,
Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of	24 32 12	detered rate 40 20 2	Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.)	2 Water billing software Refreshing water billing software , Boiling, , Do not know
Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water	M 24 32 12	detered rate 40 20 2	Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic	2 Water billing software Refreshing water billing software , Boiling, , Do not know 10
Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of	24 32 12 2 a Ye	retered rate 40 20 2 es es es	Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.)	2 Water billing software Refreshing water billing software , Boiling, , Do not know
Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water	M 24 32 12 12 22 12 22 12 12 12 12 12 12 12 12	detered rate 40 20 2 es es es es or decrease NRW, consumer can know the actual	Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%)	2 Water billing software Refreshing water billing software , Boiling, , Do not know 10
Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	M 24 32 12 12 22 12 22 12 12 12 12 12 12 12 12	retered rate 40 20 2 es es es	Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	2 Water billing software Refreshing water billing software , Boiling, , Do not know 10 15
Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	M 24 32 12 12 22 12 22 12 12 12 12 12 12 12 12	detered rate 40 20 2 es es es es or decrease NRW, consumer can know the actual	Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%)	2 Water billing software Refreshing water billing software , Boiling, , Do not know 10 15 30
Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	M 24 32 12 12 22 12 22 12 12 12 12 12 12 12 12	detered rate 40 20 2 es es es es or decrease NRW, consumer can know the actual	Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	2 Water billing software Refreshing water billing software , Boiling, , Do not know 10 15 30
Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	M 24 32 12 12 22 12 22 12 12 12 12 12 12 12 12	detered rate 40 20 2 es es es es or decrease NRW, consumer can know the actual	Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	2 Water billing software Refreshing water billing software , Boiling, , Do not know 10 15 30
Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	M 24 32 12 12 22 12 22 12 12 12 12 12 12 12 12	detered rate 40 20 2 es es es es or decrease NRW, consumer can know the actual	Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	2 Water billing software Refreshing water billing software , Boiling, , Do not know 10 15 30
Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	M 24 32 12 2a Yee Yee Footwar	es es or decrease NRW, consumer can know the actual atter volume that they will use.	Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	2 2 Water billing software Refreshing water billing software , Boiling, , Do not know 10 15 30 Arsenic, chloride, Iron
Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons	M 24 32 12 2 12 2 12 2 12 12 12 12 12 12 12 12	es es or decrease NRW, consumer can know the actual atter volume that they will use.	Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area	2 2 Water billing software Refreshing water billing software , Boiling, , Do not know 10 15 30 Arsenic, chloride, Iron
Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staf Average household income/month (Tk/	Ye Ye Forward (Mr.)	es es or decrease NRW, consumer can know the actual atter volume that they will use.	Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piped Potential water sources	2 Water billing software Refreshing water billing software , Boiling, , Do not know 10 15 30 Arsenic, chloride, Iron
Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staf Average household income/month (Tk Affordability for piped water (Tk/mont	Ye Ye Forward Mark 100 (Mr.) 100 (Mr	es es or decrease NRW, consumer can know the actual atter volume that they will use. 0,000 00	Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piped Potential water sources Shallow well	2 2 Water billing software Refreshing water billing software , Boiling, , Do not know 10 15 30 Arsenic, chloride, Iron Water Supply System
Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staf Average household income/month (Tk Affordability for piped water (Tk/mont Affordable price in total household income (%)	Ye Ye Forward Mark 100 100 100 100 100 100 100 100 100 10	es es or decrease NRW, consumer can know the actual ater volume that they will use. 0,000	Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piped Potential water sources Shallow well Deep well	2 2 Water billing software Refreshing water billing software , Boiling, , Do not know 10 15 30 Arsenic, chloride, Iron
Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staf Average household income/month (Tk Affordability for piped water (Tk/mont	Ye Ye Forward Mark 100 100 100 100 100 100 100 100 100 10	es es or decrease NRW, consumer can know the actual ater volume that they will use. 0,000	Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piped Potential water sources Shallow well	2 2 Water billing software Refreshing water billing software , Boiling, , Do not know 10 15 30 Arsenic, chloride, Iron
Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staf Average household income/month (Tk Affordability for piped water (Tk/mont Affordable price in total household income (%)	Ye Ye Forward Mark 100 100 100 100 100 100 100 100 100 10	es es or decrease NRW, consumer can know the actual ater volume that they will use. 0,000	Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piped Potential water sources Shallow well Deep well Surface water sources	2 2 Water billing software Refreshing water billing software , Boiling, , Do not know 10 15 30 Arsenic, chloride, Iron Water Supply System
Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staf Average household income/month (Tk Affordability for piped water (Tk/mont Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped	Ye Ye Forward Mark 100 100 100 100 100 100 100 100 100 10	es es or decrease NRW, consumer can know the actual ater volume that they will use. 0,000 00 eer Supply Area	Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piped Potential water sources Shallow well Deep well Surface water sources Other sources	2 2 Water billing software Refreshing water billing software , Boiling, , Do not know 10 15 30 Arsenic, chloride, Iron
Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staf Average household income/month (Tk Affordability for piped water (Tk/mont Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Source River	Ye Ye Forward Mark 100 100 100 100 100 100 100 100 100 10	es es or decrease NRW, consumer can know the actual atter volume that they will use. 0,000 00 er Supply Area Nos. of source Drinking (%) Domestic (%) 1 0 10	Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piped Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level	2 2 Water billing software Refreshing water billing software , Boiling, , Do not know 10 15 30 Arsenic, chloride, Iron Water Supply System
Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staf Average household income/month (Tk Affordability for piped water (Tk/mont Affordabile price in total household income (%) 2. Exiting Water Sources in Non-Piped Source River Shallow well	Ye Ye Forward Mark 100 100 100 100 100 100 100 100 100 10	es es or decrease NRW, consumer can know the actual ater volume that they will use. 0,000 00 er Supply Area Nos. of source Drinking (%) Domestic (%) 1 0 10 520 30 20	Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piped Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year)	2 2 Water billing software Refreshing water billing software , Boiling, , Do not know 10 15 30 Arsenic, chloride, Iron Water Supply System
Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped Water (Tk/mont Affordability (answered by pourashava staf Average household income/month (Tk Affordability for piped water (Tk/mont Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Source River Shallow well Deep well	Ye Ye Forward Mark 100 100 100 100 100 100 100 100 100 10	Nos. of source Drinking (%) Domestic (%)	Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piped Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year) Deep well (m/year)	2 2 Water billing software Refreshing water billing software , Boiling, , Do not know 10 15 30 Arsenic, chloride, Iron Water Supply System
Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped Water Graph Water Material Supply Reasons Affordability (answered by pourashava staf Average household income/month (Tk Affordabile price in total household income (%) 2. Exiting Water Sources in Non-Piped Source River Shallow well	Ye Ye Forward Mark 100 100 100 100 100 100 100 100 100 10	es es or decrease NRW, consumer can know the actual ater volume that they will use. 0,000 00 er Supply Area Nos. of source Drinking (%) Domestic (%) 1 0 10 520 30 20	Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piped Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year) Deep well (m/year)	2 2 Water billing software Refreshing water billing software Refreshing water billing software , Boiling, , Do not know 10 15 30 Arsenic, chloride, Iron Water Supply System Evaluation WQ problems Moderate(Arsenic, Iron, chloride High No problem No 0 1.0

Sailkupa With Piped Water Supply System



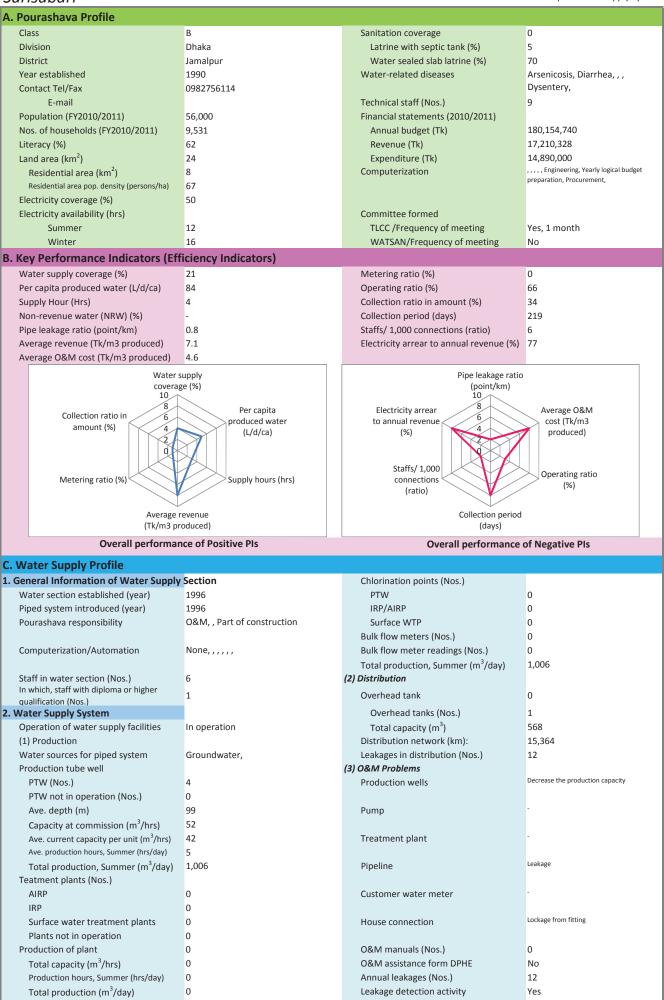
3. Needs of Rehabilitation and Expansi	on	House connection fee (1/2") (Tk)	1,200
Rehabilitation		Tariff adopted year	1999
Production tube well	Yes	Tariff setting policy	, Operation cost recovery (O&M
Treatment plant	No	5 5 5 5 7 T	costs), , , ,
· ·			
Distribution network	Yes	7. Water Quality Monitoring	
Expansion		Water quality monitoring plan	No
Production tube well	Yes	Parameters checked	-
Treatment plant	No	Frequency of quality test	
· ·			
Distribution network	Yes	Nos. of sampling location /year	-
4. Customer Service (Service indicators		Water quality problems	Too much iron, so all water fittings
Coverage area (km²)	2		almost found resting and the longevity
Population served (people)	3,500		are not found sustainable.
Service connections (Nos.)	735	8. Problems and Priority Needs	
Domestic	715	Major 3 problems	
Public tap/ stand pipe	12	(1)	Low coverage
Public institutions	0	` ,	
		(2)	Lass financial reservaces
Commercial & industrial	8	(2)	Less financial resources
Others	0		
Total	735	(3)	In sufficient technical support
Metered connections (Nos.)	0	` ,	
` '		Major 2 pricetty and	
Applications outstanding (Nos.)	0	Major 3 priority needs	
New connections in 2010/2011 (Nos.)	0	(1)	Increase of production capacity
Average waiting time (days)	0		
Water pressure at the end of network	,,Low,	(2)	Expansion and replacement of
		(2)	network
Continuity of service (hrs/day)	4		
Customer with 24 hrs supply (%)	0	(3)	Improvement of water quality
Annual complaints (Nos.)	450-500		
Major complaints		9. Past and On-going Projects and Traini	ng
) In sufficient water quantity		-0
(-) In sufficient water quantity	(1) Past 10 years projects	
		Name	-
(2	!) No 24 hours supply		-
		Period	_
1:	N Matan massaura is lau.		
(-	Water pressure is low	Funding agency	-
		Executing agency	-
5. Financial Information (FY2010/11)		(2) Past 10 years projects	-
Annual budget (Tk)	0	Name	_
- · · ·		Nume	
Annual revenue (Tk)	988,655		-
Annual expenditure (Tk)	941,182	Period	-
Annual O&M Costs (Tk)	1,573,240	Funding agency	-
Annual billings (Tk)	1,223,423	Executing agency	_
= ' '			
Annual collections (Tk)	953,232	On-going projects	-
Water arrears (Tk)	270,000	Name	-
Electricity arrears (Tk)	0		-
Payment methods		Dariad	
'	, Bank	Period	-
Self-billing	No	Funding agency	-
Billing frequency	Monthly	Executing agency	-
6. Water Tariff and Metering (See Tari	f Database)	Training	_
Tariff Structure		•	2
rann structure	Based on pipe size	Nos. of training	
		Nos. of Staff	2
Domestic 13 mm (1/2") (Tk/month)	150	Name of training (1)	TOT (Training of Trainer) Course Pourashava Organization & Management
Non-domestic lowest (Tk/month)	225	Name of training (2)	Billing system of software
Lowest volumetric charge (Tk/m³)	0	Name of training (3)	
	Ü	Name of training (5)	
D. Non-Piped Water Supply Area			
Di Hon i ipca water suppry Arca			None
1. Necessity of Piped Water Supply		Main treatment method in domestic	None, , ,
1. Necessity of Piped Water Supply			
Necessity of Piped Water Supply Necessity of	Vos	As contaminated wells (Nos.)	No data
Necessity of Piped Water Supply Necessity of Piped water	Yes	As contaminated wells (Nos.) Arsenic contaminated water supply (%)	No data Do not know
Necessity of Piped Water Supply Necessity of	Yes	As contaminated wells (Nos.)	No data
Necessity of Piped Water Supply Necessity of Piped water	Yes - To save water and reduce waste in household.	As contaminated wells (Nos.) Arsenic contaminated water supply (%)	No data Do not know
Necessity of Piped Water Supply Necessity of Piped water Water meter	Yes - To save water and reduce waste in household How much water produced & how much water	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	No data Do not know No data 30
Necessity of Piped Water Supply Necessity of Piped water Water meter	Yes - To save water and reduce waste in household.	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%)	No data Do not know No data
Necessity of Piped Water Supply Necessity of Piped water Water meter	Yes - To save water and reduce waste in household How much water produced & how much water	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	No data Do not know No data 30
Necessity of Piped Water Supply Necessity of Piped water Water meter	Yes - To save water and reduce waste in household How much water produced & how much water	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	No data Do not know No data 30
Necessity of Piped Water Supply Necessity of Piped water Water meter	Yes - To save water and reduce waste in household How much water produced & how much water	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	No data Do not know No data 30
Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons	Yes - To save water and reduce waste in household. - How much water produced & how much water delivered to customers.	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area	No data Do not know No data 30 No problem, No problem
Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff)	Yes - To save water and reduce waste in household. - How much water produced & how much water delivered to customers.	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe	No data Do not know No data 30 No problem, No problem d Water Supply System
Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons	Yes - To save water and reduce waste in household. - How much water produced & how much water delivered to customers.	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources	No data Do not know No data 30 No problem, No problem
Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff)	Yes - To save water and reduce waste in household How much water produced & how much water delivered to customers. 0 15,000	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe	No data Do not know No data 30 No problem, No problem d Water Supply System
Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk)	Yes - To save water and reduce waste in household How much water produced & how much water delivered to customers. 0 15,000 150	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well	No data Do not know No data 30 No problem, No problem d Water Supply System Evaluation WQ problems None Iron
1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month Affordabile price in total household income (%)	Yes - To save water and reduce waste in household How much water produced & how much water delivered to customers. 0 15,000 150	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well	No data Do not know No data 30 No problem, No problem d Water Supply System Evaluation WQ problems None Iron High Excessive iron
1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped	Yes - To save water and reduce waste in household. - How much water produced & how much water delivered to customers. 0 15,000 150 1 Nater Supply Area	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources	No data Do not know No data 30 No problem, No problem d Water Supply System Evaluation WQ problems None Iron High Excessive iron High Needs treatment
1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month Affordabile price in total household income (%)	Yes - To save water and reduce waste in household How much water produced & how much water delivered to customers. 0 15,000 150	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources	No data Do not know No data 30 No problem, No problem d Water Supply System Evaluation WQ problems None Iron High Excessive iron
1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped	Yes - To save water and reduce waste in household. - How much water produced & how much water delivered to customers. 0 15,000 150 1 Nater Supply Area	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources	No data Do not know No data 30 No problem, No problem d Water Supply System Evaluation WQ problems None Iron High Excessive iron High Needs treatment
1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Source River	Yes - To save water and reduce waste in household How much water produced & how much water delivered to customers. 0 15,000 150 1 Nater Supply Area Nos. of source Drinking (%) Domestic (%)	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level	No data Do not know No data 30 No problem, No problem d Water Supply System Evaluation WQ problems None Iron High Excessive iron High Needs treatment No -
1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Source River Shallow well	Yes To save water and reduce waste in household. How much water produced & how much water delivered to customers. 0 15,000 150 1 Nater Supply Area Nos. of source Drinking (%) Domestic (%)	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year)	No data Do not know No data 30 No problem, No problem d Water Supply System Evaluation WQ problems None Iron High Excessive iron High Needs treatment
1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Source River Shallow well Deep well	Yes To save water and reduce waste in household. How much water produced & how much water delivered to customers. 0 15,000 150 1 Nater Supply Area Nos. of source Drinking (%) Domestic (%) 1 0 10 5,000 100 85	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year) Deep well (m/year)	No data Do not know No data 30 No problem, No problem d Water Supply System Evaluation WQ problems None Iron High Excessive iron High Needs treatment No -
1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Source River Shallow well	Yes To save water and reduce waste in household. How much water produced & how much water delivered to customers. 0 15,000 150 1 Nater Supply Area Nos. of source Drinking (%) Domestic (%)	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year) Deep well (m/year)	No data Do not know No data 30 No problem, No problem d Water Supply System Evaluation WQ problems None Iron High Excessive iron High Needs treatment No -

Santahar With Piped Water Supply System



3. Needs of Rehabilitation and Expansio	n	House connection fee (1/2") (Tk)	120
Rehabilitation	i e	Tariff adopted year	2010
	N		, Operation cost recovery (O&M
Production tube well	No	Tariff setting policy	costs), , , ,
Treatment plant	No		costs), , , ,
Distribution network	No	7. Water Quality Monitoring	
Expansion		Water quality monitoring plan	-
Production tube well	Yes	Parameters checked	_
Treatment plant	Yes	Frequency of quality test	-
Distribution network	Yes	Nos. of sampling location /year	-
4. Customer Service (Service indicators)		Water quality problems	Iron quantity is too high
Coverage area (km²)	2		
Population served (people)	13,500		
Service connections (Nos.)	254	8. Problems and Priority Needs	
Domestic	244	Major 3 problems	
Public tap/ stand pipe	8	(1)	Low coverage
		(1)	zon develage
Public institutions	2		
Commercial & industrial	0	(2)	Water quality problem
Others	0		
Total	254	(3)	Less financial resources (need
		(3)	financial support)
Metered connections (Nos.)	0		πιαποιαι σαρροιτή
Applications outstanding (Nos.)	0	Major 3 priority needs	
New connections in 2010/2011 (Nos.)	0	(1)	Improvement of water quality
Average waiting time (days)	0	. ,	
		(2)	Expansion and replacement of
Water pressure at the end of network	Good, , ,	(2)	· ·
Continuity of service (hrs/day)	6		network
Customer with 24 hrs supply (%)	None, only 2 times (6 hr) supply	(3)	Increase of production capacity
Annual complaints (Nos.)	4		i i
		Q. Doct and On going Projects and Traini	20
Major complaints		9. Past and On-going Projects and Traini	15
(1)	More iron	(1) Past 10 years projects	
		Name	-
(2)	Ask 24 hours supply		-
(-)	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Period	
,			
(3)	Low coverage	Funding agency	-
		Executing agency	-
5. Financial Information (FY2010/11)	1	(2) Past 10 years projects	-
Annual budget (Tk)	There was no seperate budget in 2010		_
	•	7201 Name	
Annual revenue (Tk)	0		-
Annual expenditure (Tk)	0	Period	-
Annual O&M Costs (Tk)	578,000	Funding agency	-
Annual billings (Tk)	351,310	Executing agency	_
5 . ,			
Annual collections (Tk)	180,110	On-going projects	-
Water arrears (Tk)	25,000	Name	-
Electricity arrears (Tk)	150,000		-
Payment methods	Pourashava office,	Period	_
'			
Self-billing	No	Funding agency	-
Billing frequency	Monthly	Executing agency	-
6. Water Tariff and Metering (See Tariff	Database)	Training	-
Tariff Structure	Fixed amount	Nos. of training	0
74111 Structure	cu umount	<u> </u>	0
		Nos. of Staff	U
Domestic 13 mm (1/2") (Tk/month)	120	Name of training (1)	-
Non-domestic lowest (Tk/month)	200	Name of training (2)	-
Lowest volumetric charge (Tk/m ³)	0	Name of training (3)	-
20 cot rolametric charge (TR/III)			
D. Nam Dimed Material Court A			
D. Non-Piped Water Supply Area			
D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply		Main treatment method in domestic	None, , ,
		Main treatment method in domestic As contaminated wells (Nos.)	None, , , 0
1. Necessity of Piped Water Supply Necessity of	Yes	As contaminated wells (Nos.)	0
Necessity of Piped Water Supply Necessity of Piped water	Yes	As contaminated wells (Nos.) Arsenic contaminated water supply (%)	0 0
Necessity of Piped Water Supply Necessity of Piped water Water meter	Yes	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%)	0 0 3
Necessity of Piped Water Supply Necessity of Piped water	Yes - To ensure the proper consumption	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	0 0 3 20
Necessity of Piped Water Supply Necessity of Piped water Water meter	Yes	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	0 0 3
Necessity of Piped Water Supply Necessity of Piped water Water meter	Yes - To ensure the proper consumption	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	0 0 3 20
Necessity of Piped Water Supply Necessity of Piped water Water meter	Yes - To ensure the proper consumption	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	0 0 3 20
Necessity of Piped Water Supply Necessity of Piped water Water meter	Yes - To ensure the proper consumption	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	0 0 3 20
Necessity of Piped Water Supply Necessity of Piped water Water meter	Yes - To ensure the proper consumption	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	0 0 3 20
Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons	YeS - To ensure the proper consumption - To develop water billing system as per use of water	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area	0 3 20 Draw down of water table, not available water in dry season,
Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff)	YeS - To ensure the proper consumption - To develop water billing system as per use of water	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe	0 3 20 Draw down of water table, not available water in dry season,
Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk)	Yes - To ensure the proper consumption - To develop water billing system as per use of water 0 8,000	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources	0 0 3 20 Draw down of water table, not available water in dry season, d Water Supply System Evaluation WQ problems
Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month)	Yes - To ensure the proper consumption - To develop water billing system as per use of water 0 8,000 120	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe	0 3 20 Draw down of water table, not available water in dry season,
Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk)	Yes - To ensure the proper consumption - To develop water billing system as per use of water 0 8,000	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources	0 0 3 20 Draw down of water table, not available water in dry season, d Water Supply System Evaluation WQ problems
Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%)	Yes - To ensure the proper consumption - To develop water billing system as per use of water 0 8,000 120 2	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well	0 0 3 20 Draw down of water table, not available water in dry season, d Water Supply System Evaluation WQ problems
1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped V	Yes - To ensure the proper consumption - To develop water billing system as per use of water 0 8,000 120 2 Vater Supply Area	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources	0 0 3 20 Draw down of water table, not available water in dry season, d Water Supply System Evaluation WQ problems Moderate Iron
1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped V Source	Yes - To ensure the proper consumption - To develop water billing system as per use of water 0 8,000 120 2 Vater Supply Area Nos. of source Drinking (%) Domestic (%)	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources	0 0 3 20 Draw down of water table, not available water in dry season, d Water Supply System Evaluation WQ problems
1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped V Source River	Yes - To ensure the proper consumption - To develop water billing system as per use of water 0 8,000 120 2 Vater Supply Area Nos. of source Drinking (%) Domestic (%) 0 0	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level	0 0 3 20 Draw down of water table, not available water in dry season, d Water Supply System Evaluation WQ problems Moderate Iron No -
1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped V Source	Yes - To ensure the proper consumption - To develop water billing system as per use of water 0 8,000 120 2 Vater Supply Area Nos. of source Drinking (%) Domestic (%)	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level	0 0 3 20 Draw down of water table, not available water in dry season, d Water Supply System Evaluation WQ problems Moderate Iron
1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped V Source River	Yes - To ensure the proper consumption - To develop water billing system as per use of water 0 8,000 120 2 Vater Supply Area Nos. of source Drinking (%) Domestic (%) 0 0	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year)	0 0 3 20 Draw down of water table, not available water in dry season, d Water Supply System Evaluation WQ problems Moderate Iron No -
1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped W Source River Shallow well Deep well	Yes - To ensure the proper consumption - To develop water billing system as per use of water 0 8,000 120 2 Vater Supply Area Nos. of source Drinking (%) Domestic (%) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year) Deep well (m/year)	0 0 3 20 Draw down of water table, not available water in dry season, d Water Supply System Evaluation WQ problems Moderate Iron No -
1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped V Source River Shallow well	Yes - To ensure the proper consumption - To develop water billing system as per use of water 0 8,000 120 2 Vater Supply Area Nos. of source Drinking (%) Domestic (%) 0 0 0 835 100 80	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year) Deep well (m/year)	0 0 3 20 Draw down of water table, not available water in dry season, d Water Supply System Evaluation WQ problems Moderate Iron No -

Sarisabari With Piped Water Supply System



2 Noods of Pobabilitation and Evnancio			
3. Needs of Rehabilitation and Expansio	h	House connection fee (1/2") (Tk)	300
Rehabilitation		Tariff adopted year	1996
Production tube well	Yes	Tariff setting policy	, Operation cost recovery (O&M costs),
Treatment plant	No	· ,	Demand management, People's affordability
Distribution network	Yes	7 Water Quality Menitoring	to pay, ,
	res	7. Water Quality Monitoring	N -
Expansion		Water quality monitoring plan	No
Production tube well	Yes	Parameters checked	-
Treatment plant	No	Frequency of quality test	-
Distribution network	Yes	Nos. of sampling location /year	_
	163		
4. Customer Service (Service indicators)		Water quality problems	
Coverage area (km²)	9		
Population served (people)	12,000		
Service connections (Nos.)	1,091	8. Problems and Priority Needs	
Domestic	1,038	Major 3 problems	
			Lastras
Public tap/ stand pipe	15	(1)	Leakage
Public institutions	0		
Commercial & industrial	38	(2)	Low coverage
Others	0		-
		(2)	Loss financial resources
Total	1,091	(3)	Less financial resources
Metered connections (Nos.)	0		
Applications outstanding (Nos.)	0	Major 3 priority needs	
New connections in 2010/2011 (Nos.)	0		Production well and pump
	0	(1)	
Average waiting time (days)			
Water pressure at the end of network	, , Low,	(2)	House connection and water
Continuity of service (hrs/day)	4		meter
Customer with 24 hrs supply (%)	0	(3)	24-hour supply
Annual complaints (Nos.)	120	(5)	
· · · · ·	120	O. Book and On seize Businets and T. L.	_
Major complaints		9. Past and On-going Projects and Traini	ig
(1)	Water pressure is so Low	(1) Past 10 years projects	
		Name	-
(2)	Water quality problem		_
(2)	vacer quanty problem	David	
		Period	-
(3)	Leakage	Funding agency	-
		Executing agency	-
5. Financial Information (FY2010/11)		(2) Past 10 years projects	_
Annual budget (Tk)	2,991,500	Name	
		Name	-
Annual revenue (Tk)	2,591,500		-
Annual expenditure (Tk)	1,700,000	Period	-
Annual O&M Costs (Tk)	1,700,000	Funding agency	-
Annual billings (Tk)	860,100	Executing agency	
Annual collections (Tk)	291,630	On-going projects	-
Water arrears (Tk)	1,555,640	Name	-
Electricity arrears (Tk)	2,000,000		-
Payment methods	, Bank	Period	-
Self-billing	No	Funding agency	
Billing frequency	Monthly	Executing agency	-
6. Water Tariff and Metering (See Tariff	Database)	Training	-
Tariff Structure	Based on pipe size	Nos. of training	0
		<u> </u>	
		Nos. of Staff	0
Domostic 12 mm /1/2"\ /Tl. /	FO.		0
Domestic 13 mm (1/2") (Tk/month)	50	Name of training (1)	0
Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month)	100	Name of training (1) Name of training (2)	0 - -
\		Name of training (1)	0
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³)	100	Name of training (1) Name of training (2)	0
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area	100	Name of training (1) Name of training (2) Name of training (3)	
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply	100	Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic	- - - - None, , ,
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area	100	Name of training (1) Name of training (2) Name of training (3)	
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply	100	Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic	- - - - None, , ,
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of	100	Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%)	None, , , 50
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	100 0 Yes	Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%)	None,,, 50 3 5
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water	100 0 Yes Yes	Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	None,,, 50 3 5
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	100 0 Yes Yes - To reduce the waste of water.	Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%)	None,,, 50 3 5
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	100 0 Yes Yes - To reduce the waste of water.	Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	None,,, 50 3 5
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	100 0 Yes Yes - To reduce the waste of water.	Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	None,,, 50 3 5 8
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	100 0 Yes Yes - To reduce the waste of water.	Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	None,,, 50 3 5 8
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons	Yes Yes - To reduce the waste of water calculate non revenue of water.	Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area	None, , , , 50 3 5 8 Arsenic, Iron, Water table declining
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff)	Yes Yes - To reduce the waste of water calculate non revenue of water.	Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe	None, , , , 50 3 5 8 Arsenic, Iron, Water table declining
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons	Yes Yes - To reduce the waste of water calculate non revenue of water.	Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area	None, , , , 50 3 5 8 Arsenic, Iron, Water table declining
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff)	Yes Yes - To reduce the waste of water calculate non revenue of water. 0 9,000	Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe	None, , , , 50 3 5 8 Arsenic, Iron, Water table declining
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk)	Yes Yes - To reduce the waste of water calculate non revenue of water. 0 9,000 100	Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well	None, , , , 50 3 5 8 Arsenic, Iron, Water table declining d Water Supply System Evaluation WQ problems None Iron, arsenic
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%)	Yes Yes Yes - To reduce the waste of water calculate non revenue of water. 0 9,000 100 1	Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well	None, , , , 50 3 5 8 Arsenic, Iron, Water table declining d Water Supply System Evaluation WQ problems None Iron, arsenic High None
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Water	Yes Yes Yes - To reduce the waste of water calculate non revenue of water. 0 9,000 100 1 /ater Supply Area	Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources	None, , , , 50 3 5 8 8 Arsenic, Iron, Water table declining d Water Supply System Evaluation WQ problems None Iron, arsenic High None moderate Turbidity
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%)	Yes Yes Yes - To reduce the waste of water calculate non revenue of water. 0 9,000 100 1	Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well	None, , , , 50 3 5 8 Arsenic, Iron, Water table declining d Water Supply System Evaluation WQ problems None Iron, arsenic High None
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Water	Yes Yes Yes - To reduce the waste of water calculate non revenue of water. 0 9,000 100 1 /ater Supply Area	Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources	None, , , , 50 3 5 8 8 Arsenic, Iron, Water table declining d Water Supply System Evaluation WQ problems None Iron, arsenic High None moderate Turbidity
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped W Source River	Yes Yes Yes - To reduce the waste of water calculate non revenue of water. 0 9,000 100 1 /ater Supply Area Nos. of source Drinking (%) Domestic (%) 1 0 10	Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level	None, , , 50 3 5 8 Arsenic, Iron, Water table declining d Water Supply System Evaluation WQ problems None Iron, arsenic High None moderate Turbidity No -
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped W Source River Shallow well	100 0 Yes Yes - To reduce the waste of water calculate non revenue of water. 0 9,000 100 1 ater Supply Area Nos. of source Drinking (%) Domestic (%) 1	Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year)	None, , , 50 3 5 8 Arsenic, Iron, Water table declining d Water Supply System Evaluation WQ problems None Iron, arsenic High None moderate Turbidity No -
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped W Source River Shallow well Deep well	100 0 Yes Yes - To reduce the waste of water calculate non revenue of water. 0 9,000 100 1 ater Supply Area Nos. of source Drinking (%) Domestic (%) 1	Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year) Deep well (m/year)	None, , , 50 3 5 8 Arsenic, Iron, Water table declining d Water Supply System Evaluation WQ problems None Iron, arsenic High None moderate Turbidity No -
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped W Source River Shallow well	100 0 Yes Yes - To reduce the waste of water calculate non revenue of water. 0 9,000 100 1 ater Supply Area Nos. of source Drinking (%) Domestic (%) 1	Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year) Deep well (m/year)	None, , , 50 3 5 8 Arsenic, Iron, Water table declining d Water Supply System Evaluation WQ problems None Iron, arsenic High None moderate Turbidity No -

Sarupkathi With Piped Water Supply System

A. Pourashava Profile Sanitation coverage Division Barisal Latrine with septic tank (%) 25 District Pirojpur Water sealed slab latrine (%) 65 Year established 1998 Water-related diseases Contact Tel/Fax 04627-56062, 04627-56150, Fax- 04627-56151 Technical staff (Nos.) E-mail sarupkathimayor@gmail.com 8 Population (FY2010/2011) 26,525 Financial statements (2010/2011) Nos. of households (FY2010/2011) 4,027 Annual budget (Tk) 19,843,150 Literacy (%) 90 Revenue (Tk) 8,004,069 9,255,650 Expenditure (Tk) Land area (km2) 5 Residential area (km²) 3 Computerization . . Trade license, Salary payment, Rate schedule and estimate preparation, , Yearly Residential area pop. density (persons/ha) 83 logical budget preparation, Procurement, Electricity coverage (%) 90 Electricity availability (hrs) Committee formed Summer 16 TLCC /Frequency of meeting Yes. 6 months Winter 20 WATSAN/Frequency of meeting No B. Key Performance Indicators (Efficiency Indicators) Water supply coverage (%) 0 Metering ratio (%) Per capita produced water (L/d/ca) 180 Operating ratio (%) Supply Hour (Hrs) 3 Collection ratio in amount (%) Non-revenue water (NRW) (%) Collection period (days) 100 Pipe leakage ratio (point/km) Staffs/ 1.000 connections (ratio) Average revenue (Tk/m3 produced) Just operation started Electricity arrear to annual revenue (%) Average O&M cost (Tk/m3 produced) Just operation started Pipe leakage ratio Water supply (point/km) coverage (%) 10 'n á Per capita Electricity arrear Average O&M Collection ratio in 6 6 roduced water to annual revenue cost (Tk/m3 amount (%) (L/d/ca) (%) produced) 0 0 Staffs/ 1,000 Operating ratio Metering ratio (%) Supply hours (hrs) connections (%) (ratio) Average revenue Collection period (Tk/m3 produced) (days) **Overall performance of Positive PIs Overall performance of Negative Pls** C. Water Supply Profile Chlorination points (Nos.) 1. General Information of Water Supply Section Water section established (year) 0 PTW Piped system introduced (year) 2012 IRP/AIRP 0 O&M,, Part of construction Pourashava responsibility Surface WTP 0 Bulk flow meters (Nos.) 0 Computerization/Automation None, , , , , , Bulk flow meter readings (Nos.) 0 Total production, Summer (m³/day) 90 Staff in water section (Nos.) (2) Distribution In which, staff with diploma or higher Overhead tank 0 qualification (Nos.) 2. Water Supply System Overhead tanks (Nos.) 0 Operation of water supply facilities 0 In operation Total capacity (m³) (1) Production Distribution network (km): 3,988 Water sources for piped system Groundwater, Leakages in distribution (Nos.) No data (3) O&M Problems Production tube well Sandy water is found PTW (Nos.) Production wells PTW not in operation (Nos.) 0 Pump damage due to voltage fluctuation Ave. depth (m) 282 Pump Capacity at commission (m³/hrs) 30 Ave. current capacity per unit (m³/hrs) 30 Treatment plant Ave. production hours, Summer (hrs/day) 3 Sometimes leakage found 90 **Pipeline** Total production, Summer (m³/day) Teatment plants (Nos.) AIRP 0 Customer water meter IRP O Surface water treatment plants 0 House connection Plants not in operation 0 Production of plant 0 O&M manuals (Nos.) Total capacity (m³/hrs) O&M assistance form DPHE 0 No Production hours, Summer (hrs/day) 0 No data Annual leakages (Nos.) Total production (m³/day) 0 Leakage detection activity No

3. Needs of Rehabilitation and Expansion Rehabilitation Production tube well Treatment plant			
Production tube well	n	House connection fee (1/2") (Tk)	1,000
		Tariff adopted year	2012
	Yes	Tariff setting policy	, Operation cost recovery (O&M
		raini seeting poney	costs), , People's affordability to pay, ,
· ·	No		
Distribution network	No	7. Water Quality Monitoring	
Expansion		Water quality monitoring plan	No
Production tube well	Yes	Parameters checked	_
Treatment plant	No	Frequency of quality test	-
Distribution network	Yes	Nos. of sampling location /year	-
4. Customer Service (Service indicators		Water quality problems	Few sandy water found
Coverage area (km²)	1		
	500		
Population served (people)			
Service connections (Nos.)	50	8. Problems and Priority Needs	
Domestic	50	Major 3 problems	
Public tap/ stand pipe	0	(1)	Low coverage
Public institutions	0	` ,	
		(2)	Lass financial reservace
Commercial & industrial	0	(2)	Less financial resources
Others	0		
Total	50	(3)	Insufficient technical and
Metered connections (Nos.)	0		managing capacity
` ′		Marian 2 materity manda	
Applications outstanding (Nos.)	0	Major 3 priority needs	
New connections in 2010/2011 (Nos.)	0	(1)	Increase of production capacity
Average waiting time (days)	0		
Water pressure at the end of network	Good, , ,	(2)	Y/2 (Over Head Tank)
' ·	3	(2)	. (====================================
Continuity of service (hrs/day)			
Customer with 24 hrs supply (%)	0	(3)	Installation of house meters to
Annual complaints (Nos.)	20 (for 2 months)		all consumers
Major complaints		9. Past and On-going Projects and Traini	ng
The state of the s) candy water		-0
(1) sandy water	(1) Past 10 years projects	
		Name	-
(2) leakage		-
·		Period	_
1.	X		
(3	·) -	Funding agency	-
		Executing agency	-
5. Financial Information (FY2010/11)		(2) Past 10 years projects	-
Annual budget (Tk)	0	Name	-
Annual revenue (Tk)	0		_
` '		D : 1	
Annual expenditure (Tk)	0	Period	-
Annual O&M Costs (Tk)	0	Funding agency	-
Annual billings (Tk)	0	Executing agency	-
Annual collections (Tk)	0	On-going projects	_
		= = : :	
Water arrears (Tk)	0	Name	-
Electricity arrears (Tk)	0		-
Payment methods	, Bank	Period	-
Self-billing	No	Funding agency	_
The state of the s			
Billing frequency	Monthly	Executing agency	
6. Water Tariff and Metering (See Tarif	Database)	Training	-
Tariff Structure	Based on pipe size	Nos. of training	0
		Nos. of Staff	0
Domestic 13 mm (1/2") (Tk/month)	0	Name of training (1)	_
Non-domestic lowest (Tk/month)	0	Name of training (2)	-
Lowest volumetric charge (Tk/m³)	0	Name of training (3)	-
Lowest volumetric charge (mym)			
			None, , ,
D. Non-Piped Water Supply Area		Main treatment method in descrit-	
D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply		Main treatment method in domestic	
D. Non-Piped Water Supply Area		Main treatment method in domestic As contaminated wells (Nos.)	0
D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply	Yes		
D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of	Yes Yes	As contaminated wells (Nos.) Arsenic contaminated water supply (%)	0
D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter		As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%)	0 0 10
D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water	Yes	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	0 0 10 60
D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	Yes 1. To reduce misuse of water	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%)	0 0 10 60 Polluted, Iron found in shallow tube
D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	Yes 1. To reduce misuse of water	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	0 0 10 60
D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	Yes 1. To reduce misuse of water	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	0 0 10 60 Polluted, Iron found in shallow tube
D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	Yes 1. To reduce misuse of water	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	0 0 10 60 Polluted, Iron found in shallow tube
D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons	Yes 1. To reduce misuse of water 2. To increase revenue income	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area	0 0 10 60 Polluted, Iron found in shallow tube well
D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	Yes 1. To reduce misuse of water 2. To increase revenue income	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	0 0 10 60 Polluted, Iron found in shallow tube well
D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons	Yes 1. To reduce misuse of water 2. To increase revenue income	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area	0 0 10 60 Polluted, Iron found in shallow tube well
D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk)	Yes 1. To reduce misuse of water 2. To increase revenue income 0 7,000	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe	0 0 10 60 Polluted, Iron found in shallow tube well d Water Supply System Evaluation WQ problems
D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month)	Yes 1. To reduce misuse of water 2. To increase revenue income 0 7,000 200	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well	0 0 10 60 Polluted, Iron found in shallow tube well d Water Supply System Evaluation WQ problems Moderate Ironw iron
D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordabile price in total household income (%)	Yes 1. To reduce misuse of water 2. To increase revenue income 0 7,000 200 3	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well	0 0 10 60 Polluted, Iron found in shallow tube well d Water Supply System Evaluation WQ problems Moderate Ironw iron High No problem
D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month)	Yes 1. To reduce misuse of water 2. To increase revenue income 0 7,000 200 3	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well	0 0 10 60 Polluted, Iron found in shallow tube well d Water Supply System Evaluation WQ problems Moderate Ironw iron
D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordabile price in total household income (%)	Yes 1. To reduce misuse of water 2. To increase revenue income 0 7,000 200 3	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well	0 0 10 60 Polluted, Iron found in shallow tube well d Water Supply System Evaluation WQ problems Moderate Ironw iron High No problem
D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Nource	Yes 1. To reduce misuse of water 2. To increase revenue income 0 7,000 200 3 Vater Supply Area Nos. of source Drinking (%) Domestic (%)	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources	0 0 10 60 Polluted, Iron found in shallow tube well d Water Supply System Evaluation WQ problems Moderate Ironw iron High No problem
D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Nource River	Yes 1. To reduce misuse of water 2. To increase revenue income 0 7,000 200 3 Vater Supply Area Nos. of source Drinking (%) Domestic (%) 1 0 10	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level	0 0 10 60 Polluted, Iron found in shallow tube well d Water Supply System Evaluation WQ problems Moderate Ironw iron High No problem Moderate Polluted
D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped V Source River Shallow well	Yes 1. To reduce misuse of water 2. To increase revenue income 0 7,000 200 3 **Vater Supply Area** Nos. of source Drinking (%) Domestic (%) 1	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year)	0 0 10 60 Polluted, Iron found in shallow tube well d Water Supply System Evaluation WQ problems Moderate Ironw iron High No problem Moderate Polluted - 0.3
D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Nource River	Yes 1. To reduce misuse of water 2. To increase revenue income 0 7,000 200 3 Vater Supply Area Nos. of source Drinking (%) Domestic (%) 1 0 10	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year)	0 0 10 60 Polluted, Iron found in shallow tube well d Water Supply System Evaluation WQ problems Moderate Ironw iron High No problem Moderate Polluted
D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped V Source River Shallow well	Yes 1. To reduce misuse of water 2. To increase revenue income 0 7,000 200 3 **Vater Supply Area** Nos. of source Drinking (%) Domestic (%) 1	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year) Deep well (m/year)	0 0 10 60 Polluted, Iron found in shallow tube well d Water Supply System Evaluation WQ problems Moderate Ironw iron High No problem Moderate Polluted - 0.3

Savar With Piped Water Supply System

A. Pourashava Profile Class Sanitation coverage Dhaka Division Latrine with septic tank (%) 100 District Dhaka Water sealed slab latrine (%) Year established 1994 Water-related diseases , Diarrhea, Cholera, Typhoid, Contact Tel/Fax 07741815 Dysentery, Technical staff (Nos.) E-mail Population (FY2010/2011) 140,300 Financial statements (2010/2011) Nos. of households (FY2010/2011) 20,558 Annual budget (Tk) Literacy (%) 60 Revenue (Tk) 63.979.296 Land area (km²) 14 Expenditure (Tk) 32,008,230 , Accounting, , Salary payment, Rate schedule Residential area (km²) 8 Computerization and estimate preparation, , , , Residential area pop. density (persons/ha) 187 Electricity coverage (%) 60 Electricity availability (hrs) Committee formed Summer 12 TLCC /Frequency of meeting No Winter 16-18 WATSAN/Frequency of meeting No **B. Key Performance Indicators (Efficiency Indicators)** Water supply coverage (%) Metering ratio (%) Per capita produced water (L/d/ca) Operating ratio (%) Supply Hour (Hrs) No water supply service Collection ratio in amount (%) Non-revenue water (NRW) (%) Collection period (days) Pipe leakage ratio (point/km) Staffs/ 1,000 connections (ratio) Average revenue (Tk/m3 produced) Electricity arrear to annual revenue (%) Average O&M cost (Tk/m3 produced) Water supply Pipe leakage ratio (point/km) coverage (%) 10 8 Per capita Electricity arrear Collection ratio in Average O&M cost oduced water to annual revenue amount (%) (Tk/m3 produced) (L/d/ca) (%) ď 0 Staffs/ 1,000 Metering ratio (%) Supply hours (hrs) Operating ratio (%) connections (ratio) Average revenue Collection period (Tk/m3 produced) (days) **Overall performance of Positive Pls Overall performance of Negative PIs** C. Water Supply Profile 1. General Information of Water Supply Section Chlorination points (Nos.) Water section established (year) Not formed PTW IRP/AIRP Piped system introduced (year) 2006 Pourashava responsibility Surface WTP Bulk flow meters (Nos.) 0 Computerization/Automation None, , , , , , Bulk flow meter readings (Nos.) 0 Total production, Summer (m³/day) Staff in water section (Nos.) (2) Distribution In which, staff with diploma or higher n Overhead tank n qualification (Nos.) 2. Water Supply System Overhead tanks (Nos.) 0 Operation of water supply facilities Not in operation Total capacity (m³) 0 (1) Production Distribution network (km): 30.930 Water sources for piped system Groundwater, Leakages in distribution (Nos.) Production tube well (3) O&M Problems PTW (Nos.) Production wells PTW not in operation (Nos.) Ave. depth (m) 145 Pump Capacity at commission (m³/hrs) 210 0 Treatment plant Ave. current capacity per unit (m³/hrs) Ave. production hours, Summer (hrs/day) 0 Total production, Summer (m³/day) 0 Pipeline Teatment plants (Nos.) AIRP 0 Customer water meter IRP 0 0 Surface water treatment plants House connection 0 Plants not in operation Production of plant 0 O&M manuals (Nos.) Total capacity (m³/hrs) O&M assistance form DPHE 0 No Production hours, Summer (hrs/day) 0 Annual leakages (Nos.) Total production (m³/day) n Leakage detection activity

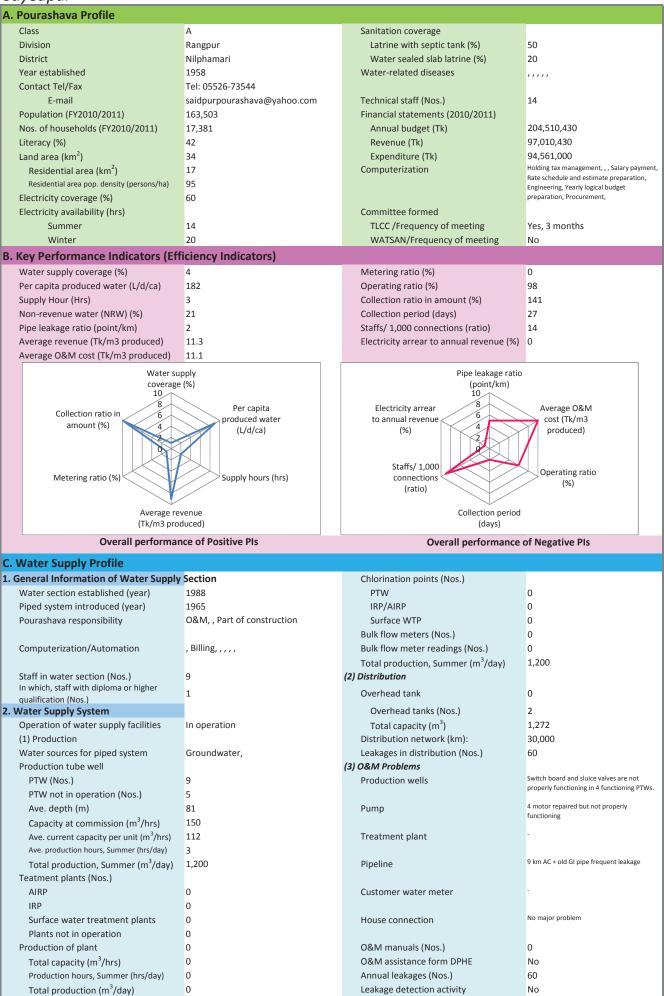
3. Needs of Rehabilitation and Expans	on	House connection fee (1/2") (Tk)	No water supply service
Rehabilitation		Tariff adopted year	No water tariff
Production tube well	_	Tariff setting policy	, Operation cost recovery (O&M costs),
Treatment plant	_	raini setting poncy	,,,
Distribution network		7. Water Quality Monitoring	
Expansion		Water quality monitoring plan	_
'		Parameters checked	
Production tube well	-		-
Treatment plant	-	Frequency of quality test	-
Distribution network		Nos. of sampling location /year	-
4. Customer Service (Service indicator		Water quality problems	
Coverage area (km²)	No water supply service		
Population served (people)	No water supply service		
Service connections (Nos.)	-	8. Problems and Priority Needs	
Domestic	-	Major 3 problems	
Public tap/ stand pipe	-	(1)	To provide water at a minimum
Public institutions	-		cost
Commercial & industrial	-	(2)	To provide water in adequate
Others	-		pressure
Total	-	(3)	To provide safe drinking water
Metered connections (Nos.)	-		
Applications outstanding (Nos.)	-	Major 3 priority needs	
New connections in 2010/2011 (Nos.)	-	(1)	24-hour supply
Average waiting time (days)	-		
Water pressure at the end of network	-	(2)	Enhancing customer services
Continuity of service (hrs/day)	No water supply service		and public relations
Customer with 24 hrs supply (%)	No water supply service	(3)	Capacity building for staff and
Annual complaints (Nos.)	No water supply service		management
Major complaints		9. Past and On-going Projects and Training	g
	(1)	(1) Past 10 years projects	
		Name	UGIIP-I, II
	(2)		-
		Period	2003-2008
	(3) 0	Funding agency	ADB
		Executing agency	Pourashava
5. Financial Information (FY2010/11)		(2) Past 10 years projects	-
	0		BMDF
Annual budget (Tk)		Name	DIVIDE
Annual revenue (Tk)	0	Destad	- DNADE
Annual expenditure (Tk)		Period	BMDF
Annual O&M Costs (Tk)	0	Funding agency	2010-2012
Annual billings (Tk)	0	Executing agency	WB & Pourashava Revenue
Annual collections (Tk)	0	On-going projects	Pourashava
Water arrears (Tk)	0	Name	-
Electricity arrears (Tk)	No water supply service		City Region development Project
Payment methods	,	Period	2012-2014
Self-billing	-	Funding agency	Donar
Billing frequency	0	Executing agency	LGED
Water Tariff and Metering (See Tar	ff Database)	Training	0
Tariff Structure	0	Nos. of training	0
		Nos. of Staff	0
Domestic 13 mm (1/2") (Tk/month)	0	Name of training (1)	-
Non-domestic lowest (Tk/month)		Name of training (2)	-
	0	Name of training (2)	
Lowest volumetric charge (Tk/m³)	0	Name of training (2)	-
		017	-
D. Non-Piped Water Supply Area		Name of training (3)	- Boiling
D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply		Name of training (3) Main treatment method in domestic	, Boiling, , No data
D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of	0	Name of training (3) Main treatment method in domestic As contaminated wells (Nos.)	No data
D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water	O Yes	Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%)	No data No data
D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	Yes Yes	Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%)	No data No data No data
D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water	O Yes	Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	No data No data No data 25
D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	Yes Yes The standard of living of the local people is not high	Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%)	No data No data No data
D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	Yes Yes The standard of living of the local people is not high enough to take the metered water supply in the	Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	No data No data No data 25
D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	Yes Yes The standard of living of the local people is not high enough to take the metered water supply in the	Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	No data No data No data 25
D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons	Yes Yes The standard of living of the local people is not high enough to take the metered water supply in the initial stage	Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area	No data No data No data 25 No problem, No problem
D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff	Yes Yes The standard of living of the local people is not high enough to take the metered water supply in the initial stage	Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area	No data No data No data 25 No problem, No problem Water Supply System
D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff Average household income/month (Tk)	Yes Yes The standard of living of the local people is not high enough to take the metered water supply in the initial stage 0 15,000	Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piped Potential water sources	No data No data No data 25 No problem, No problem Water Supply System Evaluation WQ problems
D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff Average household income/month (Tk) Affordability for piped water (Tk/month)	Yes Yes The standard of living of the local people is not high enough to take the metered water supply in the initial stage 0 15,000) 300-450	Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area	No data No data No data 25 No problem, No problem Water Supply System Evaluation WQ problems Moderate Fair. No arsenic problem
D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff Average household income/month (Tk)	Yes Yes The standard of living of the local people is not high enough to take the metered water supply in the initial stage 0 15,000	Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piped Potential water sources	No data No data No data 25 No problem, No problem Water Supply System Evaluation WQ problems Moderate Fair. No arsenic problem
D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff Average household income/month (Tk) Affordability for piped water (Tk/month)	Yes Yes The standard of living of the local people is not high enough to take the metered water supply in the initial stage 0 15,000) 300-450 2-3	Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piped Potential water sources Shallow well	No data No data No data 25 No problem, No problem Water Supply System Evaluation WQ problems Moderate Fair. No arsenic problem
D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff Average household income/month (Tk) Affordability for piped water (Tk/montl Affordable price in total household income (%)	Yes Yes The standard of living of the local people is not high enough to take the metered water supply in the initial stage 0 15,000) 300-450 2-3	Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piped Potential water sources Shallow well Deep well	No data No data No data 25 No problem, No problem Water Supply System Evaluation WQ problems Moderate Fair. No arsenic problem High Good. Fe: within standard
D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff Average household income/month (Tk) Affordability for piped water (Tk/montl Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped	Yes Yes The standard of living of the local people is not high enough to take the metered water supply in the initial stage 0 15,000) 300-450 2-3 Water Supply Area	Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piped Potential water sources Shallow well Deep well Surface water sources	No data No data No data 25 No problem, No problem Water Supply System Evaluation WQ problems Moderate Fair. No arsenic problem High Good. Fe: within standard None Too much polluted by industrial wastes
D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff Average household income/month (Tk) Affordability for piped water (Tk/montl Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Source	Yes Yes The standard of living of the local people is not high enough to take the metered water supply in the initial stage 0 15,000) 300-450 2-3 Water Supply Area Nos. of source Drinking (%) Domestic (%)	Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piped Potential water sources Shallow well Deep well Surface water sources Other sources	No data No data No data 25 No problem, No problem Water Supply System Evaluation WQ problems Moderate Fair. No arsenic problem High Good. Fe: within standard None Too much polluted by industrial wastes
D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff Average household income/month (Tk) Affordability for piped water (Tk/montl Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Source River	Yes Yes The standard of living of the local people is not high enough to take the metered water supply in the initial stage 0 15,000) 300-450 2-3 Water Supply Area Nos. of source Drinking (%) Domestic (%)	Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piped Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level	No data No data No data 25 No problem, No problem Water Supply System Evaluation WQ problems Moderate Fair. No arsenic problem High Good. Fe: within standard None Too much polluted by industrial wastes
D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff Average household income/month (Tk) Affordability for piped water (Tk/month Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Source River Shallow well	Yes Yes The standard of living of the local people is not high enough to take the metered water supply in the initial stage 0 15,000) 300-450 2-3 Water Supply Area Nos. of source Drinking (%) Domestic (%) 0 0 0 5,000 88 80	Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piped Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year)	No data No data No data 25 No problem, No problem Water Supply System Evaluation WQ problems Moderate Fair. No arsenic problem High Good. Fe: within standard None Too much polluted by industrial wastes

Satkhira With Piped Water Supply System A. Pourashava Profile Class Sanitation coverage Division Khulna Latrine with septic tank (%) 25 District Satkhira Water sealed slab latrine (%) 60 Year established 1869 Water-related diseases Tel: 0471-63714, 63893 Contact Tel/Fax E-mail dipak_kumar_mitra@yahoo.com Technical staff (Nos.) 27 Population (FY2010/2011) 153,969 Financial statements (2010/2011) Nos. of households (FY2010/2011) Annual budget (Tk) 163,992,950 23,475 Literacy (%) 65 Revenue (Tk) 53,902,945 Land area (km²) 31 Expenditure (Tk) 42,831,296 Holding tax management, , Trade license, Salary payment, Rate schedule and estimate Computerization Residential area (km²) 11 Residential area pop. density (persons/ha) 140 preparation, Engineering, Yearly logical Electricity coverage (%) 95 budget preparation,, Electricity availability (hrs) Committee formed Summer 19 TLCC /Frequency of meeting Yes, 4 months Winter 20 WATSAN/Frequency of meeting Yes, 4 months B. Key Performance Indicators (Efficiency Indicators) 55 Water supply coverage (%) 45 Metering ratio (%) Per capita produced water (L/d/ca) 123 Operating ratio (%) 78 Supply Hour (Hrs) 6 Collection ratio in amount (%) 58 Non-revenue water (NRW) (%) 15 Collection period (days) 194 Pipe leakage ratio (point/km) 9.1 Staffs/ 1,000 connections (ratio) 6 Average revenue (Tk/m3 produced) 4.3 Electricity arrear to annual revenue (%) Average O&M cost (Tk/m3 produced) 3.3 Water supply Pipe leakage ratio coverage (%) (point/km) 8 Electricity arrear to Average O&M cost Collection ratio in Per capita produced 6 annual revenue amount (%) water (L/d/ca) (Tk/m3 produced) (%) Staffs/ 1,000 Operating ratio (%) Metering ratio (%) Supply hours (hrs) connections (ratio) Collection period Average revenue (Tk/m3 produced) anco of Positivo Dis ance of Negative Pls

Overall performance of Positive PIs		Overall performance of Negative PIs	
C. Water Supply Profile			
1. General Information of Water Supply	Section	Chlorination points (Nos.)	
Water section established (year)	1975	PTW	0
Piped system introduced (year)	1919	IRP/AIRP	0
Pourashava responsibility	O&M, , Part of construction	Surface WTP	-
		Bulk flow meters (Nos.)	6
Computerization/Automation	, Billing, Accounting, , , ,	Bulk flow meter readings (Nos.)	6
		Total production, Summer (m ³ /day)	8,640
Staff in water section (Nos.)	47	(2) Distribution	
In which, staff with diploma or higher	3	Overhead tank	0
qualification (Nos.) 2. Water Supply System		Overhead tanks (Nos.)	2
Operation of water supply facilities	In operation	Total capacity (m ³)	1,100
(1) Production	iii operation	Distribution network (km):	10,317
Water sources for piped system	Groundwater,	Leakages in distribution (Nos.)	94
Production tube well	Groundwater,	(3) O&M Problems	34
PTW (Nos.)	7	Production wells	Production well discharge decreasing.
PTW (Nos.)	1	r roudellon wens	
Ave. depth (m)	102	Pump	For long time use different accessories has
Capacity at commission (m³/hrs)	117	Tump	gone out of repair.
Ave. current capacity per unit (m ³ /hrs)	76	Treatment plant	Present filter sand are not working well
Ave. production hours, Summer (hrs/day)	19	Treatment plant	
Total production, Summer (m ³ /day)	8,640	Pipeline	The consumers of old Sat, Kukrali, Bakal,
Teatment plants (Nos.)	5,640	ripeille	Per Kukrali, Rasulpur, Katia etc.
AIRP	2	Customer water meter	Due to non-availability of meter,
IRP	2	Customer water meter	Pourashava unable to give meter in old connection.
Surface water treatment plants	0	House connection	Due to shortage of water, new connection
Plants not in operation	0		cannot be given
Production of plant	0	O&M manuals (Nos.)	0
Total capacity (m ³ /hrs)	500	O&M assistance form DPHE	Yes
Production hours, Summer (hrs/day)	22	Annual leakages (Nos.)	94
Total production (m ³ /day)	11,000	Leakage detection activity	Yes
	· ·	,	

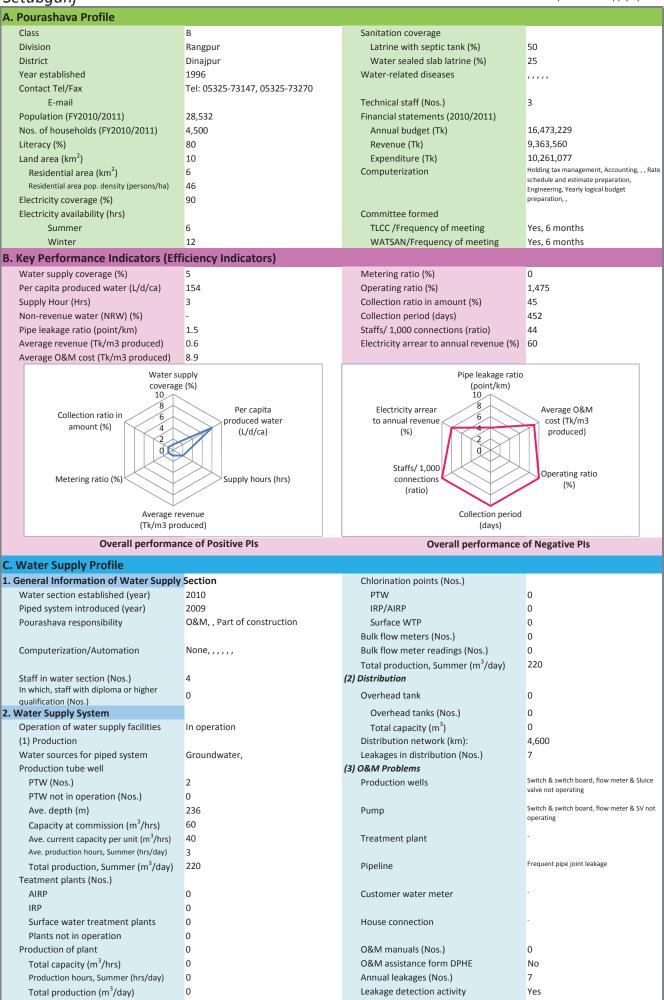
3. Needs of Rehabilitation and Expans	ion	House connection fee (1/2") (Tk)	300
Rehabilitation		Tariff adopted year	1998
Production tube well	Yes	Tariff setting policy	, Operation cost recovery (O&M costs), , People's
Treatment plant	Yes	· ,	affordability to pay, Ensuring water supply for socially vulnerable people,
Distribution network	Yes	7. Water Quality Monitoring	
Expansion	163		No
'		Water quality monitoring plan	No
Production tube well	Yes	Parameters checked	-
Treatment plant	Yes	Frequency of quality test	-
Distribution network	Yes	Nos. of sampling location /year	-
4. Customer Service (Service indicator	's)	Water quality problems	The Pourashavas' water contain high
Coverage area (km²)	18		iron CaCo3, So. It reduce the dia of
Population served (people)	70,000		house connection pipe.
Service connections (Nos.)	7,308	O Duahlama and Duiavity Nagala	
` '		8. Problems and Priority Needs	
Domestic	6,900	Major 3 problems	
Public tap/ stand pipe	208	(1)	Low coverage/ insufficient
Public institutions	30		production well
Commercial & industrial	170	(2)	Less financial resources
Others	0		Less illialiciai resources
Total	7,308	(3)	Water quality problem
Metered connections (Nos.)	4,024	(-)	. ,.
i i		Major 2 priority poods	
Applications outstanding (Nos.)	500	Major 3 priority needs	Installation of bound or the state of
New connections in 2010/2011 (Nos.)		(1)	Installation of house meters to
Average waiting time (days)	7		all consumers
Water pressure at the end of network	, , Low,	(2)	24-hour supply
Continuity of service (hrs/day)	6		
Customer with 24 hrs supply (%)	0	(3)	Capacity building for staff and
Annual complaints (Nos.)	95	(-)	management
Major complaints	·	9. Past and On-going Projects and Training	-
.riajor complaints	(1) In sufficient pressure		О
	(1) in summerent pressure	(1) Past 10 years projects	
		Name	-
	(2) In sufficient quality of water		-
		Period	-
	(3) For getting new house connection	Funding agency	-
		Executing agency	-
5. Financial Information (FY2010/11)		(2) Past 10 years projects	_
Annual budget (Tk)	0	Name	
- ' '		Ivairie	
Annual revenue (Tk)	13,408,444		-
Annual expenditure (Tk)	13,203,405	Period	-
Annual O&M Costs (Tk)	10,464,436	Funding agency	-
Annual billings (Tk)	16,957,740	Executing agency	-
Annual collections (Tk)	9,869,590	On-going projects	-
Water arrears (Tk)	7,116,184	Name	-
Electricity arrears (Tk)	0		37 District towns water supply project by DPHE
		Period	2010-2013
Payment methods	, Bank		
Self-billing	No	Funding agency	GOB
Billing frequency			
	Monthly	Executing agency	DPHE
6. Water Tariff and Metering (See Tar	· ·	Executing agency Training	
6. Water Tariff and Metering (See Tai Tariff Structure	· ·		DPHE
	riff Database)	Training	DPHE 0
Tariff Structure	riff Database) Metered rate	Training Nos. of training Nos. of Staff	DPHE 0 2 2
Tariff Structure Domestic 13 mm (1/2") (Tk/month)	Metered rate	Training Nos. of training Nos. of Staff Name of training (1)	DPHE 0 2 2 Water safety plan
Tariff Structure Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month)	Metered rate 150 300	Training Nos. of training Nos. of Staff Name of training (1) Name of training (2)	DPHE 0 2 2
Tariff Structure Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m ³)	riff Database) Metered rate 150 300 0	Training Nos. of training Nos. of Staff Name of training (1)	DPHE 0 2 2 Water safety plan
Tariff Structure Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month)	riff Database) Metered rate 150 300 0	Training Nos. of training Nos. of Staff Name of training (1) Name of training (2)	DPHE 0 2 2 Water safety plan
Tariff Structure Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m ³)	riff Database) Metered rate 150 300 0	Training Nos. of training Nos. of Staff Name of training (1) Name of training (2)	DPHE 0 2 2 Water safety plan
Tariff Structure Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area	riff Database) Metered rate 150 300 0	Training Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3)	DPHE 0 2 2 Water safety plan Exchange visit and water utilities networking workshop -
Tariff Structure Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of	riff Database) Metered rate 150 300 0	Training Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.)	DPHE 0 2 2 Water safety plan Exchange visit and water utilities networking workshop -
Tariff Structure Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water	Metered rate 150 300 0 Yes	Training Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%)	DPHE 0 2 2 Water safety plan Exchange visit and water utilities networking workshop - , Boiling, , Filtration On, wateroom, but most of shadow had on with of dryth 300 food are already deviated contaminated. 5
Tariff Structure Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	Metered rate 150 300 0 Yes Yes	Training Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%)	DPHE 0 2 2 Water safety plan Exchange visit and water utilities networking workshop - , Boiling, , Filtration 09, valvanes, but most of didnise balls with of displ 300 land an direct contentment. 5 5
Tariff Structure Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water	Metered rate 150 300 0 Yes	Training Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	DPHE 0 2 2 Water safety plan Exchange visit and water utilities networking workshop - , Boiling, , Filtration 0, wateroom, but most of shallow had worth of dright 300 lost are alread Annex contamended. 5 5 8
Tariff Structure Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	Metered rate 150 300 0 Yes Yes (1) Consumers will cautious about use of wate (2) Water wastage will minimum (3) Consumers will happy that they are paying	Training Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	DPHE 0 2 2 Water safety plan Exchange visit and water utilities networking workshop - , Boiling, , Filtration 0, rotheron, &utmost dealers add with of days 100 feet or direct frame contenued. 5 5 8 Tube well water contain Iron, Arsenic,
Tariff Structure Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	Metered rate 150 300 0 Yes Yes (1) Consumers will cautious about use of water (2) Water wastage will minimum	Training Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	DPHE 0 2 2 Water safety plan Exchange visit and water utilities networking workshop - , Boiling, , Filtration 0, wateroom, but most of shallow had worth of dright 300 lost are alread Annex contamended. 5 5 8
Tariff Structure Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	Metered rate 150 300 0 Yes Yes (1) Consumers will cautious about use of wate (2) Water wastage will minimum (3) Consumers will happy that they are paying	Training Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	DPHE 0 2 2 Water safety plan Exchange visit and water utilities networking workshop - , Boiling, , Filtration 0, rotheron, &utmost dealers add with of days 100 feet or direct frame contenued. 5 5 8 Tube well water contain Iron, Arsenic,
Tariff Structure Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	Metered rate 150 300 0 Yes Yes (1) Consumers will cautious about use of wate (2) Water wastage will minimum (3) Consumers will happy that they are paying	Training Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	DPHE 0 2 2 Water safety plan Exchange visit and water utilities networking workshop - , Boiling, , Filtration 0, rotheron, &utmost dealers add with of days 100 feet or direct frame contenued. 5 5 8 Tube well water contain Iron, Arsenic,
Tariff Structure Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons	Metered rate 150 300 0 Yes Yes (1) Consumers will cautious about use of wate (2) Water wastage will minimum (3) Consumers will happy that they are paying water bill according their use.	Training Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) of people using neighbor's well for drinking Problems in non-piped water supply area	DPHE 0 2 2 Water safety plan Exchange visit and water utilities networking workshop - , Boiling, , Filtration Op, wateroom, between definition below with of depth 200 found are demand Accesses constrained. 5 5 8 Tube well water contain Iron, Arsenic, Pond water contaminated by bacteria.
Tariff Structure Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff	Metered rate 150 300 0 300 Yes Yes (1) Consumers will cautious about use of wate (2) Water wastage will minimum (3) Consumers will happy that they are paying water bill according their use.	Training Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area	DPHE 0 2 2 Water safety plan Exchange visit and water utilities networking workshop - , Boiling, , Filtration Oppositions, but model of adults about with of depth 200 found are demand Annease constrained. 5 5 8 Tube well water contain Iron, Arsenic, Pond water contaminated by bacteria.
Tariff Structure Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff Average household income/month (Tk	Metered rate 150 300 0 Yes Yes (1) Consumers will cautious about use of wate (2) Water wastage will minimum (3) Consumers will happy that they are paying water bill according their use.	Training Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piper Potential water sources	DPHE 0 2 2 Water safety plan Exchange visit and water utilities networking workshop - , Boiling, , Filtration One, waterman, before and of adapts 200 foot are denoted Access consensuant. 5 5 8 Tube well water contain Iron, Arsenic, Pond water contaminated by bacteria. d Water Supply System Evaluation WQ problems
Tariff Structure Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff Average household income/month (Tk Affordability for piped water (Tk/mont	Metered rate 150 300 0 300 Yes Yes (1) Consumers will cautious about use of water (2) Water wastage will minimum (3) Consumers will happy that they are paying water bill according their use.	Training Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piper Potential water sources Shallow well	DPHE 0 2 2 Water safety plan Exchange visit and water utilities networking workshop , Boiling, , Filtration One, waterman, but made of display 300 foot are densed Annees consensuant. 5 5 8 Tube well water contain Iron, Arsenic, Pond water contaminated by bacteria. d Water Supply System Evaluation WQ problems None High Iron, Arsenic & Saline
Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff Average household income/month (Tk Affordability for piped water (Tk/mont Affordable price in total household income (%)	Metered rate 150 300 0 Yes Yes (1) Consumers will cautious about use of wate (2) Water wastage will minimum (3) Consumers will happy that they are paying water bill according their use.	Training Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piper Potential water sources Shallow well Deep well	DPHE 0 2 2 Water safety plan Exchange visit and water utilities networking workshop , Boiling, , Filtration Operations, bit model of adults about a disease 200 land are disease 1 water contained. 5 5 8 Tube well water contain Iron, Arsenic, Pond water containinated by bacteria. d Water Supply System Evaluation WQ problems None High Iron, Arsenic & Saline Moderate Excess iron, arsenic
Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff Average household income/month (Tk Affordability for piped water (Tk/mont Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped	Metered rate 150 300 0 Yes Yes (1) Consumers will cautious about use of wate (2) Water wastage will minimum (3) Consumers will happy that they are paying water bill according their use. 10 10 10 10 300 3 1 Water Supply Area	Training Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piper Potential water sources Shallow well Deep well Surface water sources	DPHE 0 2 2 Water safety plan Exchange visit and water utilities networking workshop , Boiling, , Filtration One water and water display 30 led or dead for the control for the control of the control for th
Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff Average household income/month (Tk Affordability for piped water (Tk/mont Affordable price in total household income (%)	Metered rate 150 300 0 Yes Yes (1) Consumers will cautious about use of wate (2) Water wastage will minimum (3) Consumers will happy that they are paying water bill according their use.	Training Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piper Potential water sources Shallow well Deep well Surface water sources	DPHE 0 2 2 Water safety plan Exchange visit and water utilities networking workshop , Boiling, , Filtration Operations, bit model of adults about a disease 200 land are disease 1 water contained. 5 5 8 Tube well water contain Iron, Arsenic, Pond water containinated by bacteria. d Water Supply System Evaluation WQ problems None High Iron, Arsenic & Saline Moderate Excess iron, arsenic
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Tariff Structure Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff Average household income/month (Tk Affordability for piped water (Tk/mont Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Source	Metered rate 150 300 0 Yes Yes (1) Consumers will cautious about use of wate (2) Water wastage will minimum (3) Consumers will happy that they are paying water bill according their use. 5) 0 10,000 h) 300 3 Water Supply Area Nos. of source Drinking (%) Domes	Training Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piper Potential water sources Shallow well Deep well Surface water sources Other sources	DPHE 0 2 2 Water safety plan Exchange visit and water utilities networking workshop , Boiling, , Filtration One water and water display 30 led or dead for the control for the control of the control for th
Tariff Structure Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff Average household income/month (Tk Affordability for piped water (Tk/mont Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Source River Shallow well	Yes Yes (1) Consumers will cautious about use of wate (2) Water wastage will minimum (3) Consumers will happy that they are paying water bill according their use. To 0 10,000 h) 300 3 Water Supply Area Nos. of source Drinking (%) Domes 0 0 0 4,510 5	Training Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piper Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year)	DPHE 0 2 2 Water safety plan Exchange visit and water utilities networking workshop - , Boiling, , Filtration Op, voltame, bit moit of indust bits with of inquit 30 land are directly continued. 5 5 8 Tube well water contain Iron, Arsenic, Pond water contaminated by bacteria. d Water Supply System Evaluation WQ problems None High Iron, Arsenic & Saline Moderate Excess iron, arsenic None Source with polluted water. No 0
Tariff Structure Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff Average household income/month (Tk Affordability for piped water (Tk/mont Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Source River Shallow well Deep well	Metered rate 150 300 0 Yes Yes Yes (1) Consumers will cautious about use of wate (2) Water wastage will minimum (3) Consumers will happy that they are paying water bill according their use. 6) 0 10,000 h) 300 3 Water Supply Area Nos. of source Drinking (%) Domes 0 0 0 4,510 5 48 25	Training Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piper Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year) Deep well (m/year)	DPHE 0 2 2 Water safety plan Exchange visit and water utilities networking workshop , Boiling, , Filtration On waterman, bit moid of adults alone with of draph 300 land are drawnd intermediated. 5 5 8 Tube well water contain Iron, Arsenic, Pond water contaminated by bacteria. d Water Supply System Evaluation WQ problems None High Iron, Arsenic & Saline Moderate Excess iron, arsenic None Source with polluted water. No 0 0.2
Tariff Structure Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff Average household income/month (Tk Affordability for piped water (Tk/mont Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Source River Shallow well	Yes Yes (1) Consumers will cautious about use of wate (2) Water wastage will minimum (3) Consumers will happy that they are paying water bill according their use. To 0 10,000 h) 300 3 Water Supply Area Nos. of source Drinking (%) Domes 0 0 0 4,510 5	Training Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piper Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year)	DPHE 0 2 2 Water safety plan Exchange visit and water utilities networking workshop , Boiling, , Filtration On waterman, bit moid of adults alone with of draph 300 land are drawnd intermediated. 5 5 8 Tube well water contain Iron, Arsenic, Pond water contaminated by bacteria. d Water Supply System Evaluation WQ problems None High Iron, Arsenic & Saline Moderate Excess iron, arsenic None Source with polluted water. No 0 0.2

Sayedpur With Piped Water Supply System



3. Needs of Rehabilitation and Expans	ion	House connection fee (1/2") (Tk)	700
Rehabilitation	ion		1995
		Tariff adopted year	
Production tube well	Yes	Tariff setting policy	, Operation cost recovery (O&M costs), , People's affordability to pay, ,
Treatment plant	No		costs), , People's altordability to pay, ,
Distribution network	Yes	7. Water Quality Monitoring	
Expansion		Water quality monitoring plan	No
	Voc	Parameters checked	
Production tube well	Yes		-
Treatment plant	No	Frequency of quality test	-
Distribution network	Yes	Nos. of sampling location /year	-
4. Customer Service (Service indicator	s)	Water quality problems	-
Coverage area (km²)	3	Transfer quantity processing	
, ,			
Population served (people)	6,600		
Service connections (Nos.)	660	8. Problems and Priority Needs	
Domestic	660	Major 3 problems	
Public tap/ stand pipe	0		Low coverage
		(1)	LOW COVERAGE
Public institutions	0		
Commercial & industrial	0	(2)	Less financial resources
Others	0		
Total	660	(3)	In sufficient technical and
		(5)	
Metered connections (Nos.)	0		management capacity
Applications outstanding (Nos.)	0	Major 3 priority needs	
New connections in 2010/2011 (Nos.)	0	(1)	Expansion and replacement of
Average waiting time (days)	0	(-)	network
		(0)	
Water pressure at the end of network	, Fair, ,	(2)	Increase of production capacity
Continuity of service (hrs/day)	3		
Customer with 24 hrs supply (%)	0	(3)	Production well and pump
Annual complaints (Nos.)	300	11.	
· ` ` '	300	O. Doot and On sains Businets and Tusini	_
Major complaints		9. Past and On-going Projects and Traini	lig.
	1) Leakage of pipe line	(1) Past 10 years projects	
		Name	-
	(2) 9 km old pipe line blocked		_
	z) s kin ola pipe ime biockea	Dovind	
		Period	-
	(3) Water not available due to electricity	Funding agency	-
	load shedding	Executing agency	-
5. Financial Information (FY2010/11)		(2) Past 10 years projects	-
	E 009 750	Name	
Annual budget (Tk)	5,098,750	Name	-
Annual revenue (Tk)	4,962,000		-
Annual expenditure (Tk)	4,805,000	Period	-
Annual O&M Costs (Tk)	4,850,000	Funding agency	-
Annual billings (Tk)	252,000	Executing agency	-
Annual collections (Tk)	355,648	On-going projects	-
Water arrears (Tk)	365,000	Name	-
Electricity arrears (Tk)	0		-
		Deviced	
Payment methods	, Bank	Period	-
Self-billing	Yes	Funding agency	-
Billing frequency	Monthly	Executing agency	-
6. Water Tariff and Metering (See Ta	iff Database)	Training	_
	•	ŭ	1
Tariff Structure	Based on pipe size	Nos. of training	1
		Nos. of Staff	1
Domestic 13 mm (1/2") (Tk/month)	40	Name of training (1)	Computer
Non-domestic lowest (Tk/month)	0	Name of training (2)	-
	0	Name of training (3)	_
Lowest volumetric charge (Tk/m³)		realite of trailing (5)	
D. Non-Piped Water Supply Area			
1. Necessity of Piped Water Supply		Main treatment method in domestic	None, , ,
Necessity of		As contaminated wells (Nos.)	0
· ·	Voc	` <i>'</i>	
Piped water	Yes	Arsenic contaminated water supply (%)	0
Water meter		Unhygienic drinking water (%)	No data
	No		0
Reasons	NO -	% of people using neighbor's well for drinking	0
Reasons	NO -		
Reasons	NO -	% of people using neighbor's well for drinking Problems in non-piped water supply area	In Irri-Boro (dry) season, a little water available in hand tube wells,
Reasons	NO -		In Irri-Boro (dry) season, a little water
Reasons	NO .		In Irri-Boro (dry) season, a little water
Reasons	NO .		In Irri-Boro (dry) season, a little water
		Problems in non-piped water supply area	In Irri-Boro (dry) season, a little water available in hand tube wells,
Affordability (answered by pourashava staf		Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe	In Irri-Boro (dry) season, a little water available in hand tube wells, ed Water Supply System
Affordability (answered by pourashava staf Average household income/month (Tk	0 10,000	Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources	In Irri-Boro (dry) season, a little water available in hand tube wells, d Water Supply System Evaluation WQ problems
Affordability (answered by pourashava staf Average household income/month (Tk Affordability for piped water (Tk/mont	0 10,000	Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe	In Irri-Boro (dry) season, a little water available in hand tube wells, ed Water Supply System
Affordability (answered by pourashava staf Average household income/month (Tk	0 10,000	Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources	In Irri-Boro (dry) season, a little water available in hand tube wells, d Water Supply System Evaluation WQ problems
Affordability (answered by pourashava staf Average household income/month (Tk Affordability for piped water (Tk/mont Affordable price in total household income (%)	0 10,000 1) 100 1	3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well	In Irri-Boro (dry) season, a little water available in hand tube wells, d Water Supply System Evaluation WQ problems None Iron
Affordability (answered by pourashava staf Average household income/month (Tk Affordability for piped water (Tk/mont Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped	0 10,000 1) 100 1 Water Supply Area	Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources	In Irri-Boro (dry) season, a little water available in hand tube wells, d Water Supply System Evaluation WQ problems None Iron High N
Affordability (answered by pourashava stal Average household income/month (Tk Affordability for piped water (Tk/mont Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Source) 0 10,000 1) 100 1 Water Supply Area	Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources	In Irri-Boro (dry) season, a little water available in hand tube wells, d Water Supply System Evaluation WQ problems None Iron
Affordability (answered by pourashava staf Average household income/month (Tk Affordability for piped water (Tk/mont Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped	0 10,000 1) 100 1 Water Supply Area	Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources	In Irri-Boro (dry) season, a little water available in hand tube wells, d Water Supply System Evaluation WQ problems None Iron High N
Affordability (answered by pourashava stal Average household income/month (Tk Affordability for piped water (Tk/mont Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Source) 0 10,000 1) 100 1 Water Supply Area	Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level	In Irri-Boro (dry) season, a little water available in hand tube wells, d Water Supply System Evaluation WQ problems None Iron High N
Affordability (answered by pourashava stal Average household income/month (Tk Affordability for piped water (Tk/mont Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Source River Shallow well	0	Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year)	In Irri-Boro (dry) season, a little water available in hand tube wells, d Water Supply System Evaluation WQ problems None Iron High N No - 3.00-4.00
Affordability (answered by pourashava stal Average household income/month (Tk Affordability for piped water (Tk/mont Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Source River Shallow well Deep well	0	Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year) Deep well (m/year)	In Irri-Boro (dry) season, a little water available in hand tube wells, d Water Supply System Evaluation WQ problems None Iron High N No -
Affordability (answered by pourashava stal Average household income/month (Tk Affordability for piped water (Tk/mont Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Source River Shallow well	0	Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year) Deep well (m/year)	In Irri-Boro (dry) season, a little water available in hand tube wells, d Water Supply System Evaluation WQ problems None Iron High N No - 3.00-4.00

Setabganj With Piped Water Supply System



3. Needs of Rehabilitation and Expansio	n	House connection fee (1/2") (Tk)	500
Rehabilitation		Tariff adopted year	2008
Production tube well	Yes	Tariff setting policy	, Operation cost recovery (O&M
Treatment plant	No	· ,	costs), , People's affordability to pay, ,
Distribution network	Yes	7. Water Quality Monitoring	
	163		No
Expansion		Water quality monitoring plan	NO
Production tube well	Yes	Parameters checked	-
Treatment plant	No	Frequency of quality test	-
Distribution network	Yes	Nos. of sampling location /year	-
4. Customer Service (Service indicators)		Water quality problems	-
Coverage area (km²)	1	trater quanty problems	
Population served (people)	1,426		
Service connections (Nos.)	92	8. Problems and Priority Needs	
Domestic	90	Major 3 problems	
Public tap/ stand pipe	0	(1)	Low coverage of water supply
Public institutions	2	()	,
Commercial & industrial	0	(2)	Less financial resources for
		(2)	
Others	0		development
Total	92	(3)	Low supply hour
Metered connections (Nos.)	0		
Applications outstanding (Nos.)	0	Major 3 priority needs	
	0		Evnansion and replacement of
New connections in 2010/2011 (Nos.)		(1)	Expansion and replacement of
Average waiting time (days)	0		network
Water pressure at the end of network	Good, , ,	(2)	Production well and pump
Continuity of service (hrs/day)	3		
Customer with 24 hrs supply (%)	0	(3)	Increase of production capacity
	10	(3)	p
Annual complaints (Nos.)	10	O Post and On sale D. L. C. L.	L_
Major complaints		9. Past and On-going Projects and Training	ng
(1)	Due to electricity load shedding, no	(1) Past 10 years projects	
	water available	Name	-
(2)	24 hour continuous supply		-
(=)		Period	
(2)			
(3)	-	Funding agency	-
		Executing agency	-
5. Financial Information (FY2010/11)		(2) Past 10 years projects	-
Annual budget (Tk)	51,000	Name	-
Annual revenue (Tk)	48,256		_
· ·		Daviad	
Annual expenditure (Tk)	711,538	Period	-
Annual O&M Costs (Tk)	711,538	Funding agency	-
Annual billings (Tk)	108,000	Executing agency	-
Annual collections (Tk)	48,256	On-going projects	-
Water arrears (Tk)	59,744	Name	-
Electricity arrears (Tk)	29,000		
		Daviad	
Payment methods	Pourashava office,	Period	-
Self-billing	Yes	Funding agency	-
Billing frequency	Monthly	Executing agency	-
6. Water Tariff and Metering (See Tariff	Database)	Training	-
Tariff Structure	Based on pipe size	Nos. of training	1
a da datare		Nos. of Staff	1
D	50		
Domestic 13 mm (1/2") (Tk/month)	50	Name of training (1)	Water billing
Non-domestic lowest (Tk/month)	0	Name of training (2)	-
Lowest volumetric charge (Tk/m³)	0	Name of training (3)	-
D. Non-Piped Water Supply Area			
		Main brooks and mostle and a second	None
1. Necessity of Piped Water Supply		Main treatment method in domestic	None, , ,
Necessity of		As contaminated wells (Nos.)	No data
Piped water	Yes	Arsenic contaminated water supply (%)	No data
Water meter	No	Unhygienic drinking water (%)	No data
Reasons	This will require more expenditure	% of people using neighbor's well for drinking	No data
		Problems in non-piped water supply area	Iron in some area ,
		Problems in non-pipeu water supply area	some area ,
Affordability (answered by pourashava staff)	0	3. Potential Water Sources for Non-Pipe	d Water Supply System
Average household income/month (Tk)	8,000	Potential water sources	Evaluation WQ problems
		Shallow well	
			0
Affordability for piped water (Tk/month)	2	Deep well	High Iron in some area
Affordability for piped water (Tk/month) Affordable price in total household income (%)	3		
Affordability for piped water (Tk/month)		Surface water sources	
Affordability for piped water (Tk/month) Affordable price in total household income (%)		Surface water sources Other sources	 No -
Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped W Source	Ater Supply Area Nos. of source Drinking (%) Domestic (%)	Other sources	 No -
Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped W Source River	Nos. of source Drinking (%) Domestic (%) 0 0 0	Other sources Decrease of ground water level	
Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped W Source River Shallow well	/ater Supply Area Nos. of source Drinking (%) Domestic (%) 0 0 0 4,000 90 80	Other sources Decrease of ground water level Shallow well (m/year)	1 meter up down
Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped W Source River Shallow well Deep well	Nos. of source Drinking (%) Domestic (%) 0 0 0 4,000 90 80 2 10 10	Other sources Decrease of ground water level Shallow well (m/year) Deep well (m/year)	
Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped W Source River Shallow well	/ater Supply Area Nos. of source Drinking (%) Domestic (%) 0 0 0 4,000 90 80	Other sources Decrease of ground water level Shallow well (m/year) Deep well (m/year)	1 meter up down

A. Pourashava Profile Class Sanitation coverage Division Chittagong Latrine with septic tank (%) 25 Chandpur Water sealed slab latrine (%) District 30 Year established 1998 Water-related diseases Arsenicosis, Diarrhea, Cholera, Contact Tel/Fax 08427-56021 Typhoid, Dysentery, Technical staff (Nos.) E-mail hasan73362@yahoo.com 6 Population (FY2010/2011) 30,000 Financial statements (2010/2011) 0 Nos. of households (FY2010/2011) 170,260,000 7.605 Annual budget (Tk) Revenue (Tk) 20.000.000 Literacy (%) 72 Land area (km²) 19 Expenditure (Tk) 19,000,000 , Accounting, , , Rate schedule and estimate Residential area (km²) 9 Computerization preparation, Engineering, Yearly logical budget Residential area pop. density (persons/ha) 34 preparation, Procurement, 96 Electricity coverage (%) Electricity availability (hrs) Committee formed Summer 10 TLCC /Frequency of meeting Yes, 3 months Winter 12 WATSAN/Frequency of meeting Yes, 5 months B. Key Performance Indicators (Efficiency Indicators) Water supply coverage (%) Metering ratio (%) 0 35 54 191 Per capita produced water (L/d/ca) Operating ratio (%) Supply Hour (Hrs) 8 Collection ratio in amount (%) 75 Non-revenue water (NRW) (%) 346 Collection period (days) Pipe leakage ratio (point/km) 44.3 Staffs/ 1,000 connections (ratio) 34 Average revenue (Tk/m3 produced) 1.6 Electricity arrear to annual revenue (%) Average O&M cost (Tk/m3 produced) 3 Water supply Pipe leakage ratio coverage (%) (point/km) 8 8 Per capita Electricity arrear Collection ratio in Average O&M cost 6 produced water to annual revenue amount (%) (Tk/m3 produced) 4 (L/d/ca) (%) Staffs/ 1,000 Operating ratio Metering ratio (%) Supply hours (hrs) connections (ratio) (%) Collection period Average revenue (Tk/m3 produced) (days) **Overall performance of Positive PIs Overall performance of Negative Pls** C. Water Supply Profile 1. General Information of Water Supply Section Chlorination points (Nos.) Water section established (year) 2009 PT\// 0 Piped system introduced (year) 2009 IRP/AIRP 0 O&M, Construction of water supply Surface WTP 0 Pourashava responsibility facilities, Bulk flow meters (Nos.) n None, , , , , , Computerization/Automation Bulk flow meter readings (Nos.) 0 Total production, Summer (m³/day) 570 Staff in water section (Nos.) 8 (2) Distribution In which, staff with diploma or higher 0 Overhead tank 0 qualification (Nos.) 2. Water Supply System Overhead tanks (Nos.) 0 Operation of water supply facilities In operation Total capacity (m³) 0 (1) Production Distribution network (km): 22,550 Water sources for piped system Groundwater, Leakages in distribution (Nos.) 1.000 (3) O&M Problems Production tube well Mechanical problems. PTW (Nos.) 3 Production wells PTW not in operation (Nos.) 0 Breakdown of shaft and pump Ave. depth (m) 160 Pump 45 Capacity at commission (m³/hrs) 33 Treatment plant Ave. current capacity per unit (m³/hrs) Ave. production hours, Summer (hrs/day) 6 570 Leakage & iron blocking Pipeline Total production, Summer (m³/day) Teatment plants (Nos.) AIRP 0 Customer water meter IRP 0 Leakage & iron blocking House connection Surface water treatment plants 0

O&M manuals (Nos.)

Annual leakages (Nos.)

O&M assistance form DPHE

Leakage detection activity

No

No

1,000

Plants not in operation

Total capacity (m³/hrs)

Total production (m³/day)

Production hours, Summer (hrs/day)

Production of plant

0

0

0

0

3. Needs of Rehabilitation and Expar	nsion		House connection fee (1/2") (Tk)	600	
Rehabilitation			Tariff adopted year	2011	
Production tube well	,	⁄es	Tariff setting policy	, Operation cost re	ecovery (O&M costs), , ,
			. drift setting policy	_	pply for socially vulnerable
Treatment plant	r	No		people,	
Distribution network	١	⁄es	7. Water Quality Monitoring		
Expansion			Water quality monitoring plan	No	
Production tube well	· ·	/es	Parameters checked	_	
Treatment plant	r	No	Frequency of quality test	-	
Distribution network	١	res es	Nos. of sampling location /year	-	
I. Customer Service (Service indicate	ors)		Water quality problems	High iron	
<u> </u>	•	-	water quality problems		
Coverage area (km²)	į.	5			
Population served (people)	1	116,412			
Service connections (Nos.)	-	3,006	8. Problems and Priority Needs		
Domestic			· · · · · · · · · · · · · · · · · · ·		
		2,793	Major 3 problems		
Public tap/ stand pipe	2	25	(1)	No treatment p	lant
Public institutions	1	100			
Commercial & industrial		38	(2)	Low coverage	
			(2)	Low coverage	
Others	C)			
Total	3	3,006	(3)	Low production	well capacity
			(-)		
Metered connections (Nos.))			
Applications outstanding (Nos.)	C)	Major 3 priority needs		
New connections in 2010/2011 (Nos	5.) 1	150	(1)	Y/1 (Treatmen	t plant)
Average waiting time (days)	,)	(-)		•
				District 11	h d.
Water pressure at the end of network	,	, Low,	(2)	Distribution ne	twork
Continuity of service (hrs/day)	8	3			
Customer with 24 hrs supply (%))	(2)	Production we	II and numn
* * * * *			(3)	. roduction we	ii ana pamp
Annual complaints (Nos.)	1	140			
Major complaints			9. Past and On-going Projects and Trainir	ng	
	(1) I	insufficient pressure	(1) Past 10 years projects		
	(1)	noamerene pressure			
			Name	-	
	(2) l	Less water supply		-	
			Period	-	
	(2))	Nator quality test not done			
	(3) \	Water quality test not done	Funding agency	-	
			Executing agency	-	
5. Financial Information (FY2010/11))		(2) Past 10 years projects	_	
	-	14 202 020			
Annual budget (Tk)	_	14,302,920	Name	-	
Annual revenue (Tk)	7	7,228,800		-	
Annual expenditure (Tk)	6	6,578,870	Period	-	
Annual O&M Costs (Tk)		5,578,870	Funding agency	-	
Annual billings (Tk)	7	7,455,755	Executing agency	-	
Annual collections (Tk)	7	7,142,762	On-going projects	-	
Water arrears (Tk)		312,993	Name		
			Name		
Electricity arrears (Tk)	1	1,000,000		-	
Payment methods	,	Bank	Period	-	
Self-billing	V	/es	Funding agency	_	
Billing frequency		Monthly	Executing agency	-	
5. Water Tariff and Metering (See Ta	ariff D	atabase)	Training	-	
Tariff Structure		Based on pipe size	Nos. of training	_	
. a.m. ou dotaile		o p.pc 5/20	· ·		
			Nos. of Staff	-	
Domestic 13 mm (1/2") (Tk/month)	1	160	Name of training (1)	-	
Non-domestic lowest (Tk/month)	()	Name of training (2)	-	
		0			
Lowest volumetric charge (Tk/m³)		,	Name of training (3)		
D. Non-Piped Water Supply Are	ea				
. Necessity of Piped Water Supply			Main treatment method in domestic	, Boiling, ,	
Necessity of					
INPLESSITY OF			As contaminated wells (Nos.)	Do not know	
Piped water	١	l'es	Arsenic contaminated water supply (%)	Do not know	
				Do not know 5	
Piped water Water meter	١	Yes	Unhygienic drinking water (%)	5	
Piped water) F		Unhygienic drinking water (%) % of people using neighbor's well for drinking	5 10	
Piped water Water meter) F	Yes Reduce wastage of water, To know actual water	Unhygienic drinking water (%)	5	
Piped water Water meter) F	Yes Reduce wastage of water, To know actual water	Unhygienic drinking water (%) % of people using neighbor's well for drinking	5 10	
Piped water Water meter) F	Yes Reduce wastage of water, To know actual water	Unhygienic drinking water (%) % of people using neighbor's well for drinking	5 10	
Piped water Water meter) F	Yes Reduce wastage of water, To know actual water	Unhygienic drinking water (%) % of people using neighbor's well for drinking	5 10	
Piped water Water meter) F	Yes Reduce wastage of water, To know actual water	Unhygienic drinking water (%) % of people using neighbor's well for drinking	5 10	
Piped water Water meter Reasons	F	Yes Reduce wastage of water, To know actual water volume which consumer will use.	Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area	5 10 Arsenic, Iron	v System
Piped water Water meter Reasons Affordability (answered by pourashava sta	aff) (Yes Reduce wastage of water, To know actual water volume which consumer will use.	Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piped	5 10 Arsenic, Iron Water Suppl	
Piped water Water meter Reasons Affordability (answered by pourashava state)	aff) (Yes Reduce wastage of water, To know actual water volume which consumer will use. 0 10,000	Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area	5 10 Arsenic, Iron	WQ problems
Piped water Water meter Reasons Affordability (answered by pourashava sta	aff) (Yes Reduce wastage of water, To know actual water volume which consumer will use.	Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piped	5 10 Arsenic, Iron Water Suppl	
Piped water Water meter Reasons Affordability (answered by pourashava state)	aff) (Tk) 1	Yes Reduce wastage of water, To know actual water volume which consumer will use. 0 10,000	Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piped Potential water sources Shallow well	5 10 Arsenic, Iron Water Supple Evaluation Moderate	WQ problems Iron, Arsenic
Piped water Water meter Reasons Affordability (answered by pourashava state Average household income/month (T Affordability for piped water (Tk/mor Affordable price in total household income (%)	aff) (Tk) 1 nth) 2	Yes Reduce wastage of water, To know actual water rolume which consumer will use. 0 10,000 200 2	Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piped Potential water sources Shallow well Deep well	5 10 Arsenic, Iron Water Supple Evaluation	WQ problems
Piped water Water meter Reasons Affordability (answered by pourashava state Average household income/month (T Affordability for piped water (Tk/mor Affordable price in total household income (%)	aff) (Tk) 1 nth) 2	Yes Reduce wastage of water, To know actual water rolume which consumer will use. 0 10,000 200 2	Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piped Potential water sources Shallow well	5 10 Arsenic, Iron Water Supple Evaluation Moderate	WQ problems Iron, Arsenic
Piped water Water meter Reasons Affordability (answered by pourashava state Average household income/month (T Affordability for piped water (Tk/mor Affordable price in total household income (%)	aff) (Tk) 1 nth) 2	Yes Reduce wastage of water, To know actual water rolume which consumer will use. 0 10,000 200 2	Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piped Potential water sources Shallow well Deep well	5 10 Arsenic, Iron Water Supple Evaluation Moderate	WQ problems Iron, Arsenic
Piped water Water meter Reasons Affordability (answered by pourashava state Average household income/month (The Affordability for piped water (Tk/more Affordable price in total household income (%). Exiting Water Sources in Non-Pipe Source	aff) (Tk) 1 nth) 2	Yes Reduce wastage of water, To know actual water rolume which consumer will use. 0 10,000 200 2 ter Supply Area Nos. of source Drinking (%) Domestic (%)	Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piped Potential water sources Shallow well Deep well Surface water sources Other sources	5 10 Arsenic, Iron d Water Supple Evaluation Moderate Moderate -	WQ problems Iron, Arsenic
Piped water Water meter Reasons Affordability (answered by pourashava state Average household income/month (The Affordability for piped water (Tk/more Affordable price in total household income (%) Exiting Water Sources in Non-Piper Source River	aff) (Tk) 1 nth) 2	Yes Reduce wastage of water, To know actual water rolume which consumer will use. 0 10,000 200 2 ter Supply Area Nos. of source Drinking (%) Domestic (%) 0 0 0	Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipeo Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level	5 10 Arsenic, Iron d Water Supple Evaluation Moderate Moderate -	WQ problems Iron, Arsenic
Piped water Water meter Reasons Affordability (answered by pourashava state Average household income/month (The Affordability for piped water (Tk/more Affordable price in total household income (%) Exiting Water Sources in Non-Piped Source	aff) (Tk) 1 nth) 2	Yes Reduce wastage of water, To know actual water rolume which consumer will use. 0 10,000 200 2 ter Supply Area Nos. of source Drinking (%) Domestic (%)	Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piped Potential water sources Shallow well Deep well Surface water sources Other sources	5 10 Arsenic, Iron d Water Supple Evaluation Moderate Moderate -	WQ problems Iron, Arsenic
Piped water Water meter Reasons Affordability (answered by pourashava sta Average household income/month (T Affordability for piped water (Tk/mor Affordable price in total household income (%) Exiting Water Sources in Non-Pipe Source River Shallow well	aff) (Tk) 1 nth) 2	Yes Reduce wastage of water, To know actual water rolume which consumer will use. 0 10,000 200 2 ter Supply Area Nos. of source Drinking (%) Domestic (%) 0 0 0	Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipeo Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year)	5 10 Arsenic, Iron d Water Supple Evaluation Moderate Moderate -	WQ problems Iron, Arsenic
Piped water Water meter Reasons Affordability (answered by pourashava sta Average household income/month (T Affordability for piped water (Tk/mor Affordable price in total household income (%) Exiting Water Sources in Non-Pipe Source River Shallow well Deep well	aff) (Tk) 1 nth) 2	Yes Reduce wastage of water, To know actual water volume which consumer will use. 0 10,000 200 2 ter Supply Area Nos. of source Drinking (%) Domestic (%) 0 0 0 4,815 75 30 165 25 15	Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipeo Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level	5 10 Arsenic, Iron d Water Supple Evaluation Moderate Moderate -	WQ problems Iron, Arsenic
Piped water Water meter Reasons Affordability (answered by pourashava sta Average household income/month (T Affordability for piped water (Tk/mor Affordable price in total household income (%) Exiting Water Sources in Non-Pipe Source River Shallow well	aff) (Tk) 1 nth) 2	Yes Reduce wastage of water, To know actual water volume which consumer will use. 0 10,000 200 2 ter Supply Area Nos. of source Drinking (%) Domestic (%) 0 0 0 4,815 75 30	Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipeo Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year)	5 10 Arsenic, Iron d Water Supple Evaluation Moderate Moderate -	WQ problems Iron, Arsenic

Shahjadpur With Piped Water Supply System

A. Pourashava Profile Class Sanitation coverage Division Rajshahi Latrine with septic tank (%) 20 Water sealed slab latrine (%) 60 District Sirajgonj Year established 1989 Water-related diseases , Diarrhea, , Typhoid, Dysentery, Contact Tel/Fax Tel: 01727-64649 Jaundice Technical staff (Nos.) E-mail 20 Population (FY2010/2011) 96,442 Financial statements (2010/2011) 0 Nos. of households (FY2010/2011) 252,883,283 11,596 Annual budget (Tk) 80 Revenue (Tk) 19.045.323 Literacy (%) Land area (km²) 11 Expenditure (Tk) 17,186,000 , Accounting, , Salary payment, Rate schedule and Residential area (km²) 6 Computerization estimate preparation, Engineering, Yearly logical Residential area pop. density (persons/ha) 154 budget preparation, Procurement, 90 Electricity coverage (%) Electricity availability (hrs) Committee formed Summer TLCC /Frequency of meeting Yes, 3 months 14 Winter 22 WATSAN/Frequency of meeting Yes, 6 months B. Key Performance Indicators (Efficiency Indicators) Water supply coverage (%) Metering ratio (%) Per capita produced water (L/d/ca) Operating ratio (%) Supply Hour (Hrs) No water supply service Collection ratio in amount (%) Non-revenue water (NRW) (%) Collection period (days) Pipe leakage ratio (point/km) Staffs/ 1,000 connections (ratio) Average revenue (Tk/m3 produced) Electricity arrear to annual revenue (%) Average O&M cost (Tk/m3 produced) Water supply Pipe leakage ratio (point/km) coverage (%) 10 8 8 Per capita Electricity arrear Collection ratio in Average O&M cost 6 6 oduced water to annual revenue amount (%) (Tk/m3 produced) 4 (L/d/ca) (%) ď ď Staffs/ 1 000 Metering ratio (%) Supply hours (hrs) Operating ratio (%) connections (ratio) Average revenue Collection period (Tk/m3 produced) (days) **Overall performance of Positive PIs Overall performance of Negative Pls** C. Water Supply Profile 1. General Information of Water Supply Section Chlorination points (Nos.) Water section established (year) Not formed PT\// 0 Piped system introduced (year) IRP/AIRP 0 No answer Surface WTP 0 Pourashava responsibility Bulk flow meters (Nos.) n Computerization/Automation None..... Bulk flow meter readings (Nos.) 0 Total production, Summer (m³/day) 0 Staff in water section (Nos.) 0 (2) Distribution In which, staff with diploma or higher 0 Overhead tank 0 qualification (Nos.) 2. Water Supply System Overhead tanks (Nos.) 0 Operation of water supply facilities Not in operation Total capacity (m³) 0 (1) Production Distribution network (km): 12,750 Water sources for piped system Groundwater, Leakages in distribution (Nos.) (3) O&M Problems Production tube well PTW (Nos.) 2 Production wells PTW not in operation (Nos.) 2 Ave. depth (m) 96 Pump 0 Capacity at commission (m³/hrs) Treatment plant Ave. current capacity per unit (m³/hrs) 0 Ave. production hours, Summer (hrs/day) 0 0 Pipeline Total production, Summer (m³/day) Teatment plants (Nos.) AIRP 0 Customer water meter IRP 0 House connection Surface water treatment plants 0 Plants not in operation 0 O&M manuals (Nos.) Production of plant 0 O&M assistance form DPHE Total capacity (m³/hrs) No Production hours, Summer (hrs/day) 0 Annual leakages (Nos.) 0

Leakage detection activity

Total production (m³/day)

0

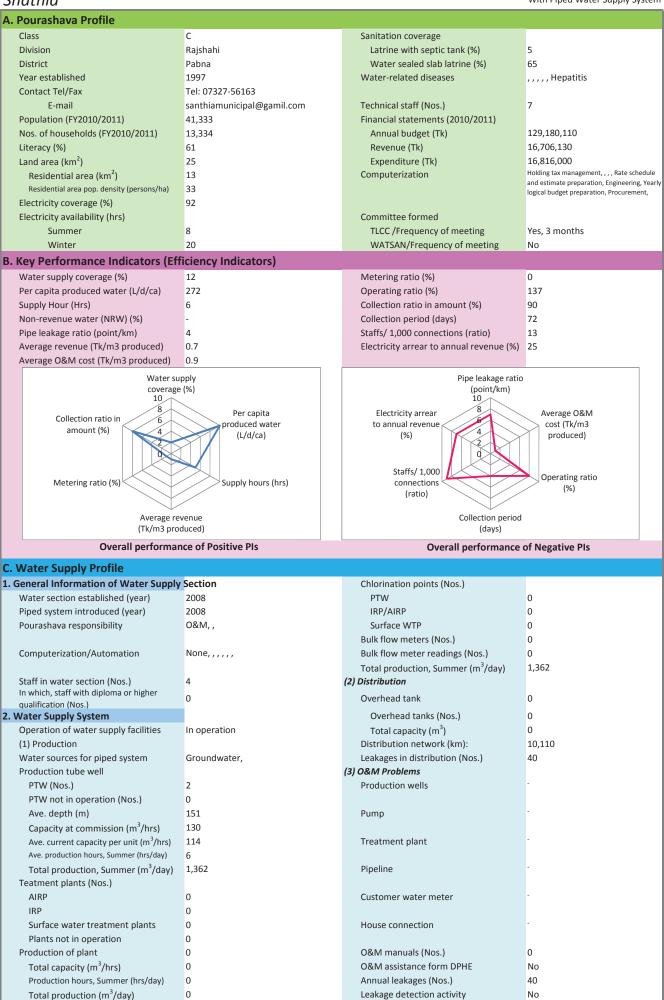
State Stat	ice
Production tube well Distribution network Expansion Production tube well Treatment plant Distribution network Expansion Production tube well Treatment plant On Distribution network 4. Customer Service (Service indicators) Coverage area (mr.) Query of population severed (people) Service connections (flos.) Dimestic D	icc
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Coverage area (m²) No water supply service Population severe (people) No water supply service Service connections (Nos.) 0 (1) - (1)	
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Public tary stand pipe Public institutions Others OCOMMercial & Industrial Others OTatal Others Applications outstanding (Nos.) New connections (Nos.) Applications outstanding (Nos.) New connections in 2010/2011 (Nos.) Awareae waiting time (days) Owater supply service Continuity of service (hrs/day) No water supply service Annual complaints (Nos.) No water supply service Annual complaints (Nos.) No water supply service (2) - (3) - (2) - (3) - (2) - (3) - (2) - (3) - (2) - (3) - (2) - (3) - (2) - (3) - (2) - (3) - (4) - (5) - (6) - (7) - (8) - (9) - Past and On-going Projects and Training (1) Past 10 years projects Name -	
Public institutions 0 Commercial & industrial 0 Others 0 Total 0 Others 0 Total 0 Metered connections (Nos.) - Applications outstanding (Nos.) - Applications outstanding (Nos.) - Average waiting time (days) Water pressure at the end of network Continuity of service (hrs/day) No water supply service Annual complaints (Nos.) Moy over supply service Major complaints (I) - (2) - (3) - (2) - (3) - (4) - (4) - (5) - (5) - (6) - (7) - (8) - (8) - (9) - (9) - (1) - (2) - (1) - (2) - (3) - (4) - (5) - (5) - (6) - (7) - (8) - (8) - (9) - (9) - (1) - (1) - (2) - (3) - (4) - (4) - (5) - (5) - (6) - (7) - (8) - (9) - (9) - (1) - (1) - (1) - (2) - (3) - (4) - (4) - (5) - (6) - (7) - (8) - (9) - (9) - (1) - (1) - (1) - (2) - (3) - (4) - (4) - (5) - (6) - (7) - (8) - (9) - (9) - (9) - (9) - (1) - (1) - (1) - (2) - (3) - (4) - (4) - (5) - (6) - (7) - (8) - (9) - (1) - (1) - (1) - (2) - (3) - (4) - (5) - (5) - (6) - (7) - (7) - (7) - (8) - (9) -	
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New connections in 2010/2011 (Nos.) Average waiting time (days) Water pressure at the end of network Continuity of service (Iris/day) No water supply service Period	
Average waiting time (days) Water pressure at the end of network Continuity of service (hrs/day) Customer with 2d hrs supply (%) Annual complaints (Nos.) Major complaints (1) (2) - (3) - (3) - (3) - (2) - (3) - (3) - (2) - (3) - (3) - (3) - (3) - (2) - (3) - (3) - (3) - (4) - (5) - (5) - (6) - (7) - (8) - (9) - (9) - (1) - (1) - (1) - (2) - (3) - (3) - (4) - (5) - (6) - (7) - (7) - (8) - (9) - (1) -	
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Continuity of service (hrs/day) Customer with 24 hrs supply (%) Annual complaints (Nos.) Major complaints (1) - (2) - (3) - (3) - S. Financial Information (FY2010/11) Annual budget (Tk) Annual complaints (Nos.) Annual complaints (5) - S. Financial Information (FY2010/11) Annual budget (Tk) Annual revenue (Tk) Annual capenditure (Tk) Annual O&M Costs (Tk) Annual lost (Tk) Annual lost (Tk) Annual collections (Tk) Water arrears (Tk) Payment methods Self-billing Billing frequency C. Water Tariff and Metering (See Tariff Database) Tariff Structure O Domestic I 3mm (1/2") (Tk/month) Domestic I 3mm (1/2") (Tk/month) Lowest volumetric charge (Tk/m³) O Non-Omestic lowest (Tk/month) Lowest volumetric charge (Tk/m²) Piped water No Reasons No Main treatment method in domestic As contaminated wells (Nos.) Mone, , Donot know Unhygienic drinking water (%) Nor, pod & A resenic contaminated water supply year and water with iron, pod & A resenic contaminated by human waste contaminated wells of main and water with iron, pod & a recontaminated water supply area	
Customer with 24 hrs supply (%) Annual complaints (Nos.) Major complaints (1) - (2) - (2) - (3) - S. Financial Information (FY2010/11) Annual budget (Tk) Annual budget (Tk) Annual puget	
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Major complaints (1) - (2) - (2) - (3) - Feriod - Funding agency - Executing agency - Executing agency - Executing agency - Annual budget (TK)	
(1) - (1) Past 10 years projects Name - Period - Period - Funding agency - Executing agen	
(2) - (3) - (3) - Period Funding agency Executing agency - Executin	
(2) - Period - Funding agency - Executing agency -	
Period Funding agency -	
Funding agency -	
Executing agency -	
5. Financial Information (FY2010/11) Annual budget (Tk) Annual revenue (Tk) Annual expenditure (Tk) Annual ox (Tk) Annual budget (Tk) Annual ox (Tk) Annual budget (Tk) Annual ox (Tk) Annual collections (Tk) Water arrears (Tk) Electricity arrears (Tk) Payment methods Payment methods Payment methods Payment methods Period Funding agency Funding age	
Annual budget (Tk) 0 Name	
Annual revenue (Tk) Annual expenditure (Tk) Annual expenditure (Tk) O Annual osts (Tk) O Annual osts (Tk) O Annual osts (Tk) O Annual osts (Tk) O Annual collections (Tk) O Annual collections (Tk) O Annual collections (Tk) O On-going projects - Name - Electricity arrears (Tk) Payment methods Self-billing Billing frequency O Executing agency - Funding agency - Funding agency - Funding agency - Executing agency - Training - Tariff structure O Executing agency - Training Nos. of training - Nos. of training (1) Non-domestic l3 mm (1/2") (Tk/month) Non-domestic l0 mest (Tk/month) Non-domestic lowest (Tk/month) Non-domestic charge (Tk/m³) O D Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water No Water meter No Water meter No Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 1. Lowering of water level in shall and water with iron, Pond & ric contaminated by human waste	
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Annual O&M Costs (Tk) 0 Funding agency - Annual billings (Tk) 0 Executing agency - Annual collections (Tk) 0 On-going projects - Water arrears (Tk) 0 No water supply service Payment methods , Funding agency - Billing frequency 0 Executing agency - G. Water Tariff and Metering (See Tariff Database) Training - Tariff Structure 0 Nos. of training - Domestic 13 mm (1/2") (Tk/month) 0 Name of training (1) - Lowest volumetric charge (Tk/m³) 0 Name of training (3) - D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Nose Sity of Piped water No No Nose Nose Nose Nose Nose Nose Nos	
Annual billings (Tk) 0 Executing agency - Annual collections (Tk) 0 On-going projects - Water arrears (Tk) 0 No water supply service Payment methods , Funding agency - Billing frequency 0 Executing agency - G. Water Tariff and Metering (See Tariff Database) Training - Tariff Structure 0 Nos. of staff - Domestic 13 mm (1/2") (Tk/month) 0 Non-domestic lowest (Tk/month) 0 Name of training (1) - Lowest volumetric charge (Tk/m³) 0 Name of training (3) - D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Nos Nos Of Staff - Piped water No No Nos Of Staff - Piped water No No Nos Of Staff - Piped water No No Nos Of training (3) - Problems in non-piped water supply (%) Do not know Nos, of people using neighbor's well for drinking water (%) 5 Covering of water level in shall and water with iron, Pond & riccontaminated by human waste contaminated by human waste	
Annual collections (Tk) 0 On-going projects	
Water arrears (Tk) 0 Name - Deficitive arrears (Tk) No water supply service Payment methods Payment methods Payment methods Period Peri	
Electricity arrears (TK) No water supply service Payment methods Period Funding agency Self-billing Billing frequency O Executing agency Self-billing Pathology O Executing agency Self-billing Self-bil	
Payment methods Self-billing Billing frequency O Executing agency Funding agency Executing agency Funding agency Executing agency Funding agency Executing agency Funding agency Executing agency Funding agency Executing agency Funding agency Executing agency Funding agency F	
Payment methods Self-billing Billing frequency O Executing agency Funding agency Executing agency Funding agency Executing agency Funding agency Executing agency Funding agency Executing agency Funding agency Executing agency Funding agency Executing agency Funding agency F	
Self-billing Billing frequency 0 Executing agency - 6. Water Tariff and Metering (See Tariff Database) Training - Tariff Structure 0 Nos. of training - Domestic 13 mm (1/2") (Tk/month) 0 Name of training (1) - Non-domestic lowest (Tk/month) 0 Name of training (2) - Lowest volumetric charge (Tk/m³) 0 Name of training (3) - D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water No Arsenic contaminated water supply (Nos.) Water meter No Unhygienic drinking water (%) Reasons - Problems in non-piped water supply area and water level in shall and water with iron., Pond & ric contaminated by human waste	
Billing frequency 0 6. Water Tariff and Metering (See Tariff Database) Tariff Structure 0 Nos. of training - Nos. of Staff - Domestic 13 mm (1/2") (Tk/month) 0 Non-domestic lowest (Tk/month) 0 Lowest volumetric charge (Tk/m³) 0 Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water No Arsenic contaminated water supply (%) Water meter No Unhygienic drinking water (%) Reasons - Executing agency - Training - Nos. of training - Name of training (1) - Name of training (2) - Name of training (3) - Main treatment method in domestic As contaminated wells (Nos.) Do not know Do not	
6. Water Tariff and Metering (See Tariff Database) Tariff Structure 0 Nos. of training - Nos. of Staff - Domestic 13 mm (1/2") (Tk/month) 0 Non-domestic lowest (Tk/month) 1 Lowest volumetric charge (Tk/m³) 0 Name of training (2) - Name of training (3) - D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water No Water meter No No Unhygienic drinking water (%) Reasons Training - Nos. of training - Name of training (1) - Name of training (2) - Name of training (3) - Main treatment method in domestic As contaminated wells (Nos.) Do not know Unhygienic drinking water (%) 15 Wof people using neighbor's well for drinking Problems in non-piped water supply area Lowering of water level in shall and water with iron., Pond & ric contaminated by human waste	
Tariff Structure O Nos. of Staff Nos. of Staff Name of training (1) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water No No Arsenic contaminated wells (Nos.) Reasons Problems in non-piped water supply area 1. Weering of water level in shall and water with iron., Pond & riccontaminated by human waste	
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Lowest volumetric charge (Tk/m³) 0 Name of training (3) - D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water No Water meter No Unhygienic drinking water (%) Reasons - Word people using neighbor's well for drinking Problems in non-piped water supply area Lowering of water level in shall and water with iron., Pond & riv contaminated by human waste	
D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water No As contaminated wells (Nos.) Do not know Piped water No Arsenic contaminated water supply (%) Do not know Water meter No Unhygienic drinking water (%) 15 Reasons - % of people using neighbor's well for drinking Problems in non-piped water supply area and water with iron., Pond & rincontaminated by human waste	
1. Necessity of Piped Water Supply Necessity of Piped water No Water meter No Reasons No No Reasons No	
Necessity of Piped water No Water meter No Reasons As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area and water with iron., Pond & ric contaminated by human waste	
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Water meter No Unhygienic drinking water (%) 15 Reasons - % of people using neighbor's well for drinking 15 Problems in non-piped water supply area Lowering of water level in shall and water with iron., Pond & riv contaminated by human waste	
Reasons - % of people using neighbor's well for drinking 15 Problems in non-piped water supply area Lowering of water level in shall and water with iron., Pond & riv contaminated by human waste	
Problems in non-piped water supply area Lowering of water level in shall and water with iron., Pond & riv contaminated by human waste	
Problems in non-piped water supply area Lowering of water level in shall and water with iron., Pond & riv contaminated by human waste	
contaminated by human waste	shallow tube well
Affordability (answered by pourashava staff) 0 3. Potential Water Sources for Non-Piped Water Supply System	vaste.
Affordability (answered by pourashava staff) 0 3. Potential Water Sources for Non-Piped Water Supply System	
S. F. Occition Water Sources for Hother special water Supply System	em
Average household income/month (Tk) 10,000 Potential water sources Evaluation WQ p	VQ problems
Affordability for piped water (Tk/month) 200 Shallow well None Iron	
Deep well lingth men	ohlem
2. Exiting Water Sources in Non-Piped Water Supply Area Surface water sources High No proble	טטופווו
Source Nos. of source Drinking (%) Domestic (%) Other sources No -	
River 1 0 5 Decrease of ground water level	
Shallow well 5,472 100 75 Shallow well (m/year) 0.30	
Deep well	
Ponds 25 0 20	
Other sources 0 0 0	

Shariatpur With Piped Water Supply System

Shariatpur			With Piped Water Supply Syster
A. Pourashava Profile			
Class	Α	Sanitation coverage	
Division	Dhaka		20
		Latrine with septic tank (%)	
District	Shariatpur	Water sealed slab latrine (%)	59
Year established	1985	Water-related diseases	, Diarrhea, , Typhoid, ,
Contact Tel/Fax	0601-61670, Fax-0601-61679		
E-mail	mayor_sp@yahoo.com	Technical staff (Nos.)	13
Population (FY2010/2011)	59,129	Financial statements (2010/2011)	
Nos. of households (FY2010/2011)	12,867	Annual budget (Tk)	384,773,892
Literacy (%)	60	Revenue (Tk)	28,877,883
Land area (km²)	25	Expenditure (Tk)	28,877,883
Residential area (km²)	4	Computerization	Holding tax management, Accounting, ,
Residential area pop. density (persons/ha)	142	'	Salary payment, Rate schedule and estimate
Electricity coverage (%)	90		preparation, Engineering, Yearly logical budget preparation, Procurement,
Electricity availability (hrs)	30	Committee formed	, and a special specia
	15		Van 2 mantha
Summer	15	TLCC /Frequency of meeting	Yes, 3 months
Winter	20	WATSAN/Frequency of meeting	Yes, 3 months
B. Key Performance Indicators (Eff	iciency Indicators)		
Water supply coverage (%)	40	Metering ratio (%)	0
Per capita produced water (L/d/ca)	107	Operating ratio (%)	91
Supply Hour (Hrs)	9	Collection ratio in amount (%)	83
Non-revenue water (NRW) (%)	20	Collection period (days)	41
Pipe leakage ratio (point/km)	3.8	Staffs/ 1,000 connections (ratio)	8
Average revenue (Tk/m3 produced)	3.5	Electricity arrear to annual revenue (%)	
Average O&M cost (Tk/m3 produced)	3.2	,	
Water sup coverage (• •	Pipe leakage ratio (point/km)	'
10	70)	10	
8	Per capita	Electricity arrear	Average O&M
Collection ratio in	produced water	to annual revenue 6	cost (Tk/m3
amount (%)	(L/d/ca)	(%)	produced)
	1 1 1		
	$\downarrow \mid \bigvee \mid$		
	1	Staffs/ 1,000	Operating ratio
Metering ratio (%)	Supply hours (hrs)	connections	(%)
		(ratio)	
Average reve	enue	Collection period	
(Tk/m3 produ	I	(days)	
	·		
Overall performar	nce of Positive PIs	Overall performance	of Negative PIs
•	nce of Positive PIs	Overall performance	of Negative PIs
C. Water Supply Profile			of Negative PIs
C. Water Supply Profile 1. General Information of Water Supply	Section	Chlorination points (Nos.)	
C. Water Supply Profile 1. General Information of Water Supply Water section established (year)	Section 1989	Chlorination points (Nos.) PTW	0
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year)	Section 1989 1989	Chlorination points (Nos.) PTW IRP/AIRP	0 0
C. Water Supply Profile 1. General Information of Water Supply Water section established (year)	Section 1989	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP	0 0 0
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility	Section 1989 1989 O&M, , Part of construction	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.)	0 0 0 0 2
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year)	Section 1989 1989	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.)	0 0 0 0 2 2
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility	Section 1989 1989 O&M, , Part of construction	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.)	0 0 0 0 2
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.)	Section 1989 1989 O&M, , Part of construction	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.)	0 0 0 0 2 2
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher	Section 1989 1989 O&M, , Part of construction , Billing, Accounting, , , ,	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day)	0 0 0 0 2 2
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.)	Section 1989 1989 O&M, , Part of construction , Billing, Accounting, , , ,	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank	0 0 0 2 2 2,540
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System	Section 1989 1989 O&M, , Part of construction , Billing, Accounting, , , , 12 2	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.)	0 0 0 2 2 2,540
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities	Section 1989 1989 O&M, , Part of construction , Billing, Accounting, , , ,	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³)	0 0 0 2 2 2,540 0 0
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production	Section 1989 1989 O&M,, Part of construction , Billing, Accounting,,,, 12 2 In operation	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km):	0 0 0 2 2 2,540 0 0 0 36,310
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system	Section 1989 1989 O&M, , Part of construction , Billing, Accounting, , , , 12 2	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.)	0 0 0 2 2 2,540
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production	Section 1989 1989 O&M,, Part of construction , Billing, Accounting,,,, 12 2 In operation	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km):	0 0 0 2 2 2,540 0 0 0 0 36,310
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system	Section 1989 1989 O&M,, Part of construction , Billing, Accounting,,,, 12 2 In operation	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.)	0 0 0 2 2 2,540 0 0 0 36,310
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well	Section 1989 1989 O&M,, Part of construction , Billing, Accounting,,,, 12 2 In operation Groundwater,	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems	0 0 0 2 2 2,540 0 0 0 0 36,310
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.)	Section 1989 1989 O&M,, Part of construction , Billing, Accounting,,,, 12 2 In operation Groundwater,	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems	0 0 0 2 2 2,540 0 0 0 0 36,310
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m)	Section 1989 1989 O&M,, Part of construction , Billing, Accounting,,,, 12 2 In operation Groundwater, 7	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells	0 0 0 2 2 2,540 0 0 0 36,310 138 Day by day discharge capacity is decreasing.
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs)	Section 1989 1989 O&M,, Part of construction , Billing, Accounting,,,, 12 2 In operation Groundwater, 7 1 218 54	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells	0 0 0 2 2 2,540 0 0 0 36,310 138 Day by day discharge capacity is decreasing.
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C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs) Ave. current capacity per unit (m³/hrs) Ave. production hours, Summer (hrs/day)	Section 1989 1989 O&M,, Part of construction , Billing, Accounting,,,, 12 2 In operation Groundwater, 7 1 218 54 42 10	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells Pump Treatment plant	0 0 0 2 2 2,540 0 0 0 36,310 138 Day by day discharge capacity is decreasing.
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs) Ave. current capacity per unit (m³/hrs) Ave. production hours, Summer (hrs/day) Total production, Summer (m³/day)	Section 1989 1989 O&M,, Part of construction , Billing, Accounting,,,, 12 2 In operation Groundwater, 7 1 218 54 42	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells	0 0 0 2 2 2,540 0 0 0 36,310 138 Day by day discharge capacity is decreasing.
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs) Ave. current capacity per unit (m³/hrs) Ave. production hours, Summer (hrs/day) Total production, Summer (m³/day) Teatment plants (Nos.)	Section 1989 1989 O&M,, Part of construction , Billing, Accounting,,,, 12 2 In operation Groundwater, 7 1 218 54 42 10 2,540	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells Pump Treatment plant Pipeline	0 0 0 2 2 2,540 0 0 0 36,310 138 Day by day discharge capacity is decreasing. Impeller several times broken. Motor firing -
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs) Ave. current capacity per unit (m³/hrs) Ave. production hours, Summer (hrs/day) Total production, Summer (m³/day) Teatment plants (Nos.) AIRP	Section 1989 1989 O&M,, Part of construction , Billing, Accounting,,,, 12 2 In operation Groundwater, 7 1 218 54 42 10 2,540 0	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells Pump Treatment plant	0 0 0 2 2 2,540 0 0 0 36,310 138 Day by day discharge capacity is decreasing. Impeller several times broken. Motor firing - Leakage problem in the joints of tee, gate valve & cross. Main reason due different
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs) Ave. current capacity per unit (m³/hrs) Ave. production hours, Summer (hrs/day) Total production, Summer (m³/day) Teatment plants (Nos.)	Section 1989 1989 O&M,, Part of construction , Billing, Accounting,,,, 12 2 In operation Groundwater, 7 1 218 54 42 10 2,540 0 0	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells Pump Treatment plant Pipeline	0 0 0 2 2 2,540 0 0 36,310 138 Day by day discharge capacity is decreasing. Impeller several times broken. Motor firing - Leakage problem in the joints of tee, gate valve & cross. Main reason due different pipe materials in pipe sections and joint
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C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs) Ave. current capacity per unit (m³/hrs) Ave. production hours, Summer (hrs/day) Total production, Summer (m³/day) Teatment plants (Nos.) AIRP IRP	Section 1989 1989 O&M,, Part of construction , Billing, Accounting,,,, 12 2 In operation Groundwater, 7 1 218 54 42 10 2,540 0 0	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells Pump Treatment plant Pipeline Customer water meter	0 0 0 2 2 2,540 0 0 36,310 138 Day by day discharge capacity is decreasing. Impeller several times broken. Motor firing - Leakage problem in the joints of tee, gate valve & cross. Main reason due different pipe materials in pipe sections and joint
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs) Ave. current capacity per unit (m³/hrs) Ave. production hours, Summer (hrs/day) Total production, Summer (m³/day) Teatment plants (Nos.) AIRP IRP Surface water treatment plants	Section 1989 1989 O&M,, Part of construction , Billing, Accounting,,,, 12 2 In operation Groundwater, 7 1 218 54 42 10 2,540 0 0	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells Pump Treatment plant Pipeline Customer water meter	0 0 0 2 2 2,540 0 0 36,310 138 Day by day discharge capacity is decreasing. Impeller several times broken. Motor firing - Leakage problem in the joints of tee, gate valve & cross. Main reason due different pipe materials in pipe sections and joint
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs) Ave. current capacity per unit (m³/hrs) Ave. production hours, Summer (hrs/day) Total production, Summer (m³/day) Teatment plants (Nos.) AIRP IRP Surface water treatment plants Plants not in operation	Section 1989 1989 O&M,, Part of construction , Billing, Accounting,,,, 12 2 In operation Groundwater, 7 1 218 54 42 10 2,540 0 0 0	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells Pump Treatment plant Pipeline Customer water meter House connection	0 0 0 2 2 2,540 0 0 36,310 138 Day by day discharge capacity is decreasing. Impeller several times broken. Motor firing - Leakage problem in the joints of tee, gate valve & cross. Main reason due different pipe materials in pipe sections and joint - Leakage, pipe breaking.
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs) Ave. current capacity per unit (m³/hrs) Ave. production hours, Summer (hrs/day) Total production, Summer (m³/day) Teatment plants (Nos.) AIRP IRP Surface water treatment plants Plants not in operation Production of plant Total capacity (m³/hrs)	Section 1989 1989 O&M,, Part of construction , Billing, Accounting,,,, 12 2 In operation Groundwater, 7 1 218 54 42 10 2,540 0 0 0 0 0	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells Pump Treatment plant Pipeline Customer water meter House connection O&M manuals (Nos.) O&M assistance form DPHE	0 0 0 2 2 2,540 0 0 36,310 138 Day by day discharge capacity is decreasing. Impeller several times broken. Motor firing - Leakage problem in the joints of tee, gate valve & cross. Main reason due different pipe materials in pipe sections and joint - Leakage, pipe breaking.
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs) Ave. current capacity per unit (m³/hrs) Ave. production hours, Summer (hrs/day) Total production, Summer (m³/day) Teatment plants (Nos.) AIRP IRP Surface water treatment plants Plants not in operation Production of plant	Section 1989 1989 O&M,, Part of construction , Billing, Accounting,,,, 12 2 In operation Groundwater, 7 1 218 54 42 10 2,540 0 0 0 0 0 0 0	Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells Pump Treatment plant Pipeline Customer water meter House connection O&M manuals (Nos.)	0 0 0 2 2 2,540 0 0 0 36,310 138 Day by day discharge capacity is decreasing. Impeller several times broken. Motor firing - Leakage problem in the joints of tee, gate valve & cross. Main reason due different pipe materials in pipe sections and joint - Leakage, pipe breaking. 4 Yes

3. Needs of Rehabilitation and Expans	on	House connection fee (1/2") (Tk)	775
Rehabilitation		Tariff adopted year	2011
Production tube well	Yes	Tariff setting policy	, Operation cost recovery (O&M
Treatment plant	No	· ,	costs), , People's affordability to pay, ,
Distribution network	Yes	7. Water Quality Monitoring	
	163	Water quality monitoring plan	Yes
Expansion	v.	, ,	
Production tube well	Yes	Parameters checked	Fe, As & chlorides
Treatment plant	Yes	Frequency of quality test	6 months
Distribution network	Yes	Nos. of sampling location /year	12
4. Customer Service (Service indicators)	Water quality problems	Due to iron
Coverage area (km²)	11	rrace: quanty problems	
Population served (people)	23,650		
Service connections (Nos.)	1,528	8. Problems and Priority Needs	
Domestic	1,378	Major 3 problems	
Public tap/ stand pipe	19	(1)	Low Coverage
Public institutions	61	· ,	
Commercial & industrial	70	(2)	Lookago
		(2)	Leakage
Others	0		
Total	1,528	(3)	Aging facilities
Metered connections (Nos.)	0		
Applications outstanding (Nos.)	0	Major 3 priority needs	
			Production well and numn
New connections in 2010/2011 (Nos.)	0	(1)	Production well and pump
Average waiting time (days)	0		
Water pressure at the end of network	, , Low,	(2)	Installation of house meters to
Continuity of service (hrs/day)	9		all consumers
Customer with 24 hrs supply (%)	15	(3)	Distribution network
Annual complaints (Nos.)		(3)	
' ' '	1,500	0.0-4	
Major complaints		9. Past and On-going Projects and Traini	ng
	1) Low water pressure.	(1) Past 10 years projects	
		Name	-
	2) Leakage problem		-
`	-)g- p	Period	
			-
	B) Due to load shedding water cannot be	Funding agency	-
	supplied as per customer demand	Executing agency	-
5. Financial Information (FY2010/11)		(2) Past 10 years projects	-
Annual budget (Tk)	3,235,416	Name	Bangladesh water supply program project
Annual revenue (Tk)	3,235,416		_
` '			
Annual expenditure (Tk)	3,185,416	Period	Bangladesh water supply program project
Annual O&M Costs (Tk)	2,944,648	Funding agency	2008-2009
Annual billings (Tk)	2,177,557	Executing agency	GOB
Annual collections (Tk)	1,812,650	On-going projects	DPHE
Water arrears (Tk)	364,907	Name	
` '		Name	
Electricity arrears (Tk)	Do not know		-
Payment methods	, Bank	Period	-
Self-billing	Yes	Funding agency	-
Billing frequency	Monthly	Executing agency	-
6. Water Tariff and Metering (See Tar	•		
		Training	2
Tariff Structure	Based on pipe size	Nos. of training	3
		Nos. of Staff	4
Domestic 13 mm (1/2") (Tk/month)	150	Name of training (1)	Water supply plan.
Non-domestic lowest (Tk/month)	300	Name of training (2)	Benchmark data rep.
Lowest volumetric charge (Tk/m³)	0	Name of training (3)	Water billing software
	~	ranic or daining (3)	Titte. Simily software
D. Mario Division I and a second			
D. Non-Piped Water Supply Area			
D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply		Main treatment method in domestic	, Boiling, , Filtration
		Main treatment method in domestic As contaminated wells (Nos.)	, Boiling, , Filtration 15
1. Necessity of Piped Water Supply	Yes	As contaminated wells (Nos.)	· • · ·
Necessity of Piped Water Supply Necessity of Piped water		As contaminated wells (Nos.) Arsenic contaminated water supply (%)	15 0
Necessity of Piped Water Supply Necessity of Piped water Water meter	Yes	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%)	15 0 0
Necessity of Piped Water Supply Necessity of Piped water		As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	15 0 0 75
Necessity of Piped Water Supply Necessity of Piped water Water meter	Yes	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%)	15 0 0
Necessity of Piped Water Supply Necessity of Piped water Water meter	Yes	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	15 0 0 75
Necessity of Piped Water Supply Necessity of Piped water Water meter	Yes	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	15 0 0 75
Necessity of Piped Water Supply Necessity of Piped water Water meter	Yes	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	15 0 0 75
Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons	Yes Reduction of wastage, Increase revenue.	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area	15 0 0 75 No safe drinking water.,
Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff	Yes Reduction of wastage, Increase revenue.	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe	15 0 75 No safe drinking water., d Water Supply System
Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons	Yes Reduction of wastage, Increase revenue.	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area	15 0 0 75 No safe drinking water.,
Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff	Yes Reduction of wastage, Increase revenue. 0 10,000	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe	15 0 75 No safe drinking water., d Water Supply System
Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff Average household income/month (Tk)	Yes Reduction of wastage, Increase revenue. 0 10,000	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well	15 0 0 75 No safe drinking water., d Water Supply System Evaluation WQ problems None -
1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff Average household income/month (Tk) Affordability for piped water (Tk/month Affordable price in total household income (%)	Yes Reduction of wastage, Increase revenue. 0 10,000 150 2	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well	15 0 0 75 No safe drinking water., d Water Supply System Evaluation WQ problems None - High No problem
1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff Average household income/month (Tk) Affordability for piped water (Tk/month Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped	Yes Reduction of wastage, Increase revenue. 0 10,000 150 2 Water Supply Area	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources	15 0 0 75 No safe drinking water., d Water Supply System Evaluation WQ problems None - High No problem High House wastage inorganic materials
1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff Average household income/month (Tk) Affordability for piped water (Tk/month Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Source	Yes Reduction of wastage, Increase revenue. 0 10,000 150 2 Water Supply Area Nos. of source Drinking (%) Domestic (%)	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources	15 0 0 75 No safe drinking water., d Water Supply System Evaluation WQ problems None - High No problem
1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff Average household income/month (Tk) Affordability for piped water (Tk/month Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped	Yes Reduction of wastage, Increase revenue. 0 10,000 150 2 Water Supply Area	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources	15 0 0 75 No safe drinking water., d Water Supply System Evaluation WQ problems None - High No problem High House wastage inorganic materials
1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff Average household income/month (Tk) Affordability for piped water (Tk/month Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Source	Yes Reduction of wastage, Increase revenue. 0 10,000 150 2 Water Supply Area Nos. of source Drinking (%) Domestic (%)	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level	15 0 0 75 No safe drinking water., d Water Supply System Evaluation WQ problems None - High No problem High House wastage inorganic materials
1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff Average household income/month (Tk) Affordability for piped water (Tk/month Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Source River Shallow well	Yes Reduction of wastage, Increase revenue. 0 10,000 150 2 Water Supply Area Nos. of source Drinking (%) Domestic (%) 1 0 15 35 0 55	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year)	15 0 0 75 No safe drinking water., d Water Supply System Evaluation WQ problems None - High No problem High House wastage inorganic materials No -
1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff Average household income/month (Tk) Affordability for piped water (Tk/month Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Source River Shallow well Deep well	Ves Reduction of wastage, Increase revenue. 0 10,000 150 2 Water Supply Area Nos. of source Drinking (%) Domestic (%) 1 0 15 35 0 5 1,000 100 75	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year) Deep well (m/year)	15 0 0 75 No safe drinking water., d Water Supply System Evaluation WQ problems None - High No problem High House wastage inorganic materials No -
1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff Average household income/month (Tk) Affordability for piped water (Tk/month Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Source River Shallow well	Yes Reduction of wastage, Increase revenue. 0 10,000 150 2 Water Supply Area Nos. of source Drinking (%) Domestic (%) 1 0 15 35 0 55	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year) Deep well (m/year)	15 0 0 75 No safe drinking water., d Water Supply System Evaluation WQ problems None - High No problem High House wastage Inorganic materials No -

Shathia With Piped Water Supply System



3. Needs of Rehabilitation and Expan	sion	House connection fee (1/2") (Tk)	500
Rehabilitation		Tariff adopted year	2008
Production tube well	No	Tariff setting policy	, Operation cost recovery (O&M
Treatment plant	No		costs), , People's affordability to pay
Distribution network	No	7. Water Quality Monitoring	
Expansion		Water quality monitoring plan	No
Production tube well	Yes	Parameters checked	-
Treatment plant	Yes	Frequency of quality test	-
Distribution network	Yes	Nos. of sampling location /year	-
l. Customer Service (Service indicato		Water quality problems	Iron contaminated
Coverage area (km²)	4	reace quanty problems	
Population served (people)	5,000		
Service connections (Nos.)	300	8. Problems and Priority Needs	
Domestic	300	•	
		Major 3 problems	
Public tap/ stand pipe	0	(1)	Low coverage
Public institutions	0	10	
Commercial & industrial	0	(2,	Less financial resources
Others	0		
Total	300	(3)	No treatment technology
Metered connections (Nos.)	0		
Applications outstanding (Nos.)	0	Major 3 priority needs	
New connections in 2010/2011 (Nos.	0	(1	Expansion and replacement o
Average waiting time (days)	0		network
Water pressure at the end of network	, Fair, ,	(2)	Improvement of water quality
Continuity of service (hrs/day)	6		
Customer with 24 hrs supply (%)	0	(3	Production well and pump
Annual complaints (Nos.)	0	•	
Major complaints		9. Past and On-going Projects and Train	ng
	(1) No complain yet	(1) Past 10 years projects	
	(2)	Name	_
	(2) -	Hame	_
		Period	
	(2)		
	(3) -	Funding agency	-
		Executing agency	-
5. Financial Information (FY2010/11)		(2) Past 10 years projects	-
Annual budget (Tk)	0	Name	-
Annual revenue (Tk)	325,000		-
Annual expenditure (Tk)	443,872	Period	-
Annual O&M Costs (Tk)	443,872	Funding agency	-
Annual billings (Tk)	360,000	Executing agency	-
Annual collections (Tk)	325,000	On-going projects	-
Water arrears (Tk)	64,400	Name	-
Electricity arrears (Tk)	81,809		-
Payment methods	, Bank	Period	-
Self-billing	No	Funding agency	-
Billing frequency	Monthly	Executing agency	-
. Water Tariff and Metering (See Ta		Training	-
Tariff Structure	Based on pipe size	Nos. of training	0
		Nos. of Staff	0
Domestic 13 mm (1/2") (Tk/month)	150	Name of training (1)	-
Non-domestic lowest (Tk/month)	300	Name of training (1) Name of training (2)	
	0		
Lowest volumetric charge (Tk/m³)		Name of training (3)	
D. Non-Piped Water Supply Are	3		
. Necessity of Piped Water Supply		Main treatment method in domestic	None, , ,
Necessity of		As contaminated wells (Nos.)	No data
Piped water	Yes	Arsenic contaminated water supply (%)	12
Water meter	No	Unhygienic drinking water (%)	Do not know
Reasons	-	% of people using neighbor's well for drinking	20
		Problems in non-piped water supply area	Arsenic and iron (Shallow TW), Pond
			contaminated by human waste.
Affordability (answered by nourachava sta	ff) 0	3. Potential Water Sources for Non-Pine	d Water Sunnly System
Affordability (answered by pourashava sta		3. Potential Water Sources for Non-Pipe	
Average household income/month (T	9,000	Potential water sources	Evaluation WQ problems
Average household income/month (T Affordability for piped water (Tk/mon	9,000 th) 150	Potential water sources Shallow well	None Arsenic & iron
Average household income/month (T Affordability for piped water (Tk/mon Affordable price in total household income (%)	9,000 150 2	Potential water sources Shallow well Deep well	Evaluation WQ problems
Average household income/month (T Affordability for piped water (Tk/mon Affordable price in total household income (%) Exiting Water Sources in Non-Pipe	9,000 (th) 150 2 1 Water Supply Area	Potential water sources Shallow well Deep well Surface water sources	Evaluation WQ problems None Arsenic & iron High Iron - -
Average household income/month (T Affordability for piped water (Tk/mon Affordable price in total household income (%) Exiting Water Sources in Non-Pipe Source	9,000 150 2 2 Water Supply Area Nos. of source Drinking (%) Domestic (%)	Potential water sources Shallow well Deep well Surface water sources Other sources	None Arsenic & iron
Average household income/month (T Affordability for piped water (Tk/mon Affordable price in total household income (%) Exiting Water Sources in Non-Pipe	9,000 (th) 150 2 1 Water Supply Area	Potential water sources Shallow well Deep well Surface water sources Other sources	Evaluation WQ problems None Arsenic & iron High Iron - -
Average household income/month (T Affordability for piped water (Tk/mon Affordable price in total household income (%) Exiting Water Sources in Non-Pipe Source	9,000 150 2 2 Water Supply Area Nos. of source Drinking (%) Domestic (%)	Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level	Evaluation WQ problems None Arsenic & iron High Iron - -
Average household income/month (T Affordability for piped water (Tk/mon Affordable price in total household income (%) 2. Exiting Water Sources in Non-Pipe Source River	9,000 150 2 2 3 Water Supply Area Nos. of source Drinking (%) Domestic (%) 1 0 1(7,000 98 7(Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level	Evaluation WQ problems None Arsenic & iron High Iron - - No -
Average household income/month (T Affordability for piped water (Tk/mon Affordable price in total household income (%) Exiting Water Sources in Non-Pipe Source River Shallow well	9,000 150 2 2 3 Water Supply Area Nos. of source Drinking (%) Domestic (%) 1 0 1(7,000 98 76	Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year) Deep well (m/year)	Evaluation WQ problems None Arsenic & iron High Iron - - No -

Sherpur With Piped Water Supply System

A. Pourashava Profile Class Sanitation coverage Dhaka Division Latrine with septic tank (%) 30 Water sealed slab latrine (%) District Sherpur 40 Year established 1868 Water-related diseases , Diarrhea, , , Dysentery, Contact Tel/Fax 093161210,093161368 Technical staff (Nos.) E-mail info@sherpurpourashava.com 10 Population (FY2010/2011) 92,216 Financial statements (2010/2011) Nos. of households (FY2010/2011) 245,522,115 14,760 Annual budget (Tk) Literacy (%) 63 Revenue (Tk) 105.709.815 Land area (km²) 25 Expenditure (Tk) 88,548,403 Holding tax management, Accounting, Trade Residential area (km²) 5 Computerization license, Salary payment, Rate schedule and Residential area pop. density (persons/ha) 186 estimate preparation, Engineering, Yearly logical budget preparation, Procurement, Electricity coverage (%) 60 Electricity availability (hrs) Committee formed Summer 10 TLCC /Frequency of meeting Yes, 3 months Winter 12 WATSAN/Frequency of meeting Yes, 3 months B. Key Performance Indicators (Efficiency Indicators) Water supply coverage (%) 60 Metering ratio (%) 0 75 129 Per capita produced water (L/d/ca) Operating ratio (%) Supply Hour (Hrs) 8 Collection ratio in amount (%) 77 Non-revenue water (NRW) (%) Collection period (days) 97 Pipe leakage ratio (point/km) 0.3 Staffs/ 1,000 connections (ratio) 10 Average revenue (Tk/m3 produced) Electricity arrear to annual revenue (%) 1.8 Average O&M cost (Tk/m3 produced) 2.4 Pipe leakage ratio Supply hours (hrs) (point/km) 8 Average O&M cost Per capita produced Staffs/ 1 000 Water supply coverage (%) water (L/d/ca) connections (ratio) (Tk/m3 produced) 0 Collection ratio in Average revenue Electricity arrear to Collection period amount (%) (Tk/m3 produced) annual revenue (%) (days) Metering ratio (%) Operating ratio (%) **Overall performance of Positive Pls Overall performance of Negative PIs** C. Water Supply Profile 1. General Information of Water Supply Section Chlorination points (Nos.) Water section established (year) PTW Piped system introduced (year) 1982 IRP/AIRP 0 O&M,, Pourashava responsibility Surface WTP Bulk flow meters (Nos.) 3 Computerization/Automation , Billing, , , , , Bulk flow meter readings (Nos.) 3 Total production, Summer (m³/day) 4,130 Staff in water section (Nos.) 13 (2) Distribution In which, staff with diploma or higher Overhead tank 2 0 qualification (Nos.) 2. Water Supply System Overhead tanks (Nos.) 1 Operation of water supply facilities 450 In operation Total capacity (m³) (1) Production Distribution network (km): 89.377 Leakages in distribution (Nos.) Water sources for piped system Groundwater, 30 (3) O&M Problems Production tube well Loose joint in pipe PTW (Nos.) Production wells PTW not in operation (Nos.) 2 Capacity of Turbine pump become down Ave. depth (m) 178 Pump 114 Capacity at commission (m³/hrs) No Problem Treatment plant Ave. current capacity per unit (m³/hrs) 97 Ave. production hours, Summer (hrs/day) 15 Sufficient Leakage found in pipe line Total production, Summer (m³/day) 4,260 **Pipeline** Teatment plants (Nos.)

Customer water meter

House connection

O&M manuals (Nos.)

Annual leakages (Nos.)

Leakage detection activity

O&M assistance form DPHE

Lockage and old clamp

0

Yes

30

Yes

AIRP

Surface water treatment plants

Production hours, Summer (hrs/day)

Plants not in operation

Total capacity (m³/hrs)

Total production (m³/day)

Production of plant

1

1

0

0

0

200

14

2,800

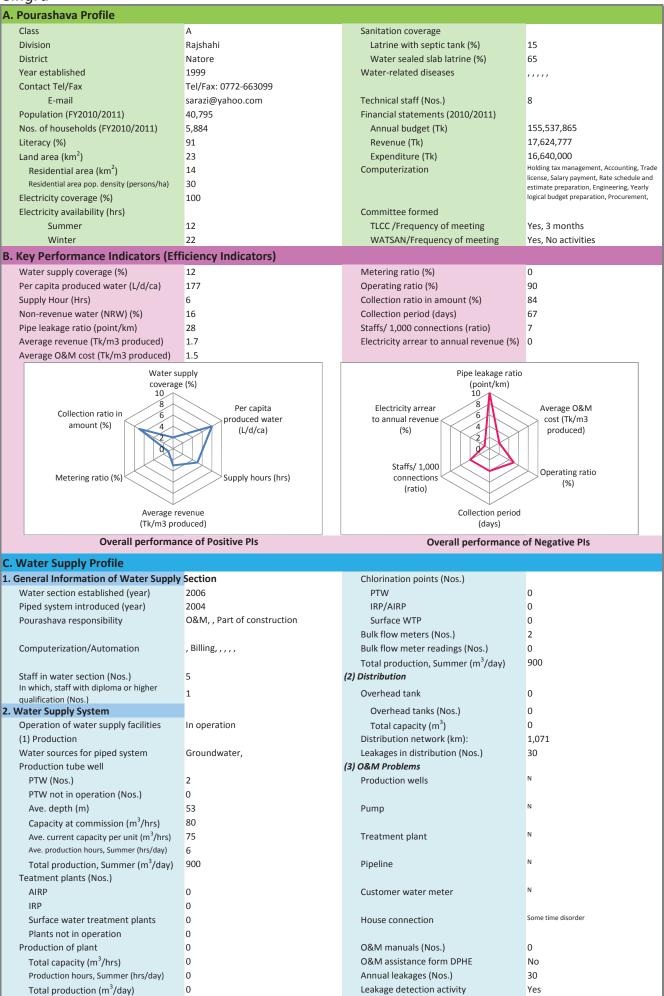
3. Needs of Rehabilitation and Expans			
Dobabilitation	ion	House connection fee (1/2") (Tk)	300
Rehabilitation		Tariff adopted year	2005
Production tube well	Yes	Tariff setting policy	, Operation cost recovery (O&M costs),
		.a seeming policy	, People's affordability to pay, ,
Treatment plant	No		
Distribution network	Yes	7. Water Quality Monitoring	
Expansion		Water quality monitoring plan	Yes
Production tube well	Yes	Parameters checked	Fe, Mn
Treatment plant	Yes	Frequency of quality test	Once in a year
· ·			· ·
Distribution network	Yes	Nos. of sampling location /year	3
4. Customer Service (Service indicator	5)	Water quality problems	
Coverage area (km²)	17		
Population served (people)	55,330		
		0.0.11	
Service connections (Nos.)	1,251	8. Problems and Priority Needs	
Domestic	1,200	Major 3 problems	
Public tap/ stand pipe	22	(1)	Low coverage of water supply
Public institutions	0		
	29	(2)	Loss financial resources for
Commercial & industrial		(2)	Less financial resources for
Others	0		development facilities
Total	1,251	(3)	Leakage
Metered connections (Nos.)	0		
i i		Major 2 priority poods	
Applications outstanding (Nos.)	10	Major 3 priority needs	
New connections in 2010/2011 (Nos.)	30	(1)	Increase of production capacity
Average waiting time (days)	7		
Water pressure at the end of network	,,Low,	(2)	Production well and pump
· ·	8	(2)	, , , , , , , , , , , , , , , , , , ,
Continuity of service (hrs/day)			
Customer with 24 hrs supply (%)	0	(3)	Enhancing customer services
Annual complaints (Nos.)	30		and public relations
Major complaints		9. Past and On-going Projects and Traini	ng
	(1) Low pressure		•
	(1) Low pressure	(1) Past 10 years projects	
		Name	-
	(2) water not available in time		-
		Period	-
	(3) Leakage		
	(5) Leakage	Funding agency	Ī
		Executing agency	-
5. Financial Information (FY2010/11)		(2) Past 10 years projects	-
Annual budget (Tk)	4,648,000	Name	-
- ' '			_
Annual revenue (Tk)	2,748,000	Budad	
Annual expenditure (Tk)	4,248,000	Period	-
Annual O&M Costs (Tk)	3,548,000	Funding agency	-
Annual billings (Tk)	3,103,798	Executing agency	-
Annual collections (Tk)	2,376,479	On-going projects	_
` '			
Water arrears (Tk)	727,319	Name	-
Electricity arrears (Tk)	1,700,000		-
Payment methods	, Bank	Period	-
Self-billing	No	Funding agency	_
Billing frequency	Monthly	Executing agency	
6. Water Tariff and Metering (See Tar	iff Database)	Training	0
Tariff Structure	Based on pipe size	Nos. of training	5
		Nos. of Staff	15
Domostic 12 mm (1/2") /Ti-/ anti-)	150		
Domestic 13 mm (1/2") (Tk/month)	150	Name of training (1)	Basic Management
AL I SEE SEE SEE			
Non-domestic lowest (Tk/month)	300	Name of training (2)	Pipe line repair
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³)	300 0	Name of training (2) Name of training (3)	Pipe line repair Water safety plan
Lowest volumetric charge (Tk/m³)	0		· ·
Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area	0	Name of training (3)	Water safety plan
Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply	0	Name of training (3) Main treatment method in domestic	Water safety plan None, , ,
Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area	0	Name of training (3)	Water safety plan
Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply	0	Name of training (3) Main treatment method in domestic	Water safety plan None, , ,
Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water	0 Yes	Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%)	None, , , 165
Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	O Yes	Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%)	None, , , 165 1
Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water	0 Yes	Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	None, , , 165 1 0 2
Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	Yes Yes To control misuse of water and increase revenue	Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%)	None, , , 165 1 0 2 Iron, Arsenic, Failure 30% shallow tube
Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	Yes Yes To control misuse of water and increase revenue	Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	None, , , 165 1 0 2
Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	Yes Yes To control misuse of water and increase revenue	Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	None, , , 165 1 0 2 Iron, Arsenic, Failure 30% shallow tube
Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	Yes Yes To control misuse of water and increase revenue	Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	None, , , 165 1 0 2 Iron, Arsenic, Failure 30% shallow tube
Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons	Yes Yes To control misuse of water and increase revenue collection	Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area	None, , , 165 1 0 2 Iron, Arsenic, Failure 30% shallow tube well in summer season
Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	Yes Yes To control misuse of water and increase revenue collection	Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	None, , , 165 1 0 2 Iron, Arsenic, Failure 30% shallow tube well in summer season
Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons	Yes Yes To control misuse of water and increase revenue collection	Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area	None, , , 165 1 0 2 Iron, Arsenic, Failure 30% shallow tube well in summer season
Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff Average household income/month (Tk.)	Yes Yes To control misuse of water and increase revenue collection 0 14,000	Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources	None, , , 165 1 0 2 Iron, Arsenic, Failure 30% shallow tube well in summer season
Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff Average household income/month (Tk Affordability for piped water (Tk/mont	Yes Yes To control misuse of water and increase revenue collection 0 14,000 224	Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well	None, , , 165 1 0 2 Iron, Arsenic, Failure 30% shallow tube well in summer season Water Supply System
Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff Average household income/month (Tk Affordability for piped water (Tk/mont Affordable price in total household income (%)	Yes Yes To control misuse of water and increase revenue collection 0 14,000 224 2	Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well	None, , , 165 1 0 2 Iron, Arsenic, Failure 30% shallow tube well in summer season
Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff Average household income/month (Tk Affordability for piped water (Tk/mont Affordable price in total household income (%)	Yes Yes To control misuse of water and increase revenue collection 0 14,000 224 2	Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well	None, , , 165 1 0 2 Iron, Arsenic, Failure 30% shallow tube well in summer season
Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff Average household income/month (Tk Affordability for piped water (Tk/mont Affordable price in total household income (%)	Yes Yes To control misuse of water and increase revenue collection 0 14,000 224 2	Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources	None, , , 165 1 0 2 Iron, Arsenic, Failure 30% shallow tube well in summer season Water Supply System
Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff Average household income/month (Tk Affordability for piped water (Tk/mont Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Source	Yes Yes To control misuse of water and increase revenue collection 0 14,000 1) 224 2 Water Supply Area Nos. of source Drinking (%) Domestic (%)	Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources	None, , , 165 1 0 2 Iron, Arsenic, Failure 30% shallow tube well in summer season
Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff Average household income/month (Tk Affordability for piped water (Tk/mont Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Source River	Yes Yes To control misuse of water and increase revenue collection 0 14,000 1) 224 2 Water Supply Area Nos. of source Drinking (%) Domestic (*)	Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level	None, , , 165 1 0 2 Iron, Arsenic, Failure 30% shallow tube well in summer season d Water Supply System Evaluation WQ problems None Iron, Arsenic High No problem No 0
Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff Average household income/month (Tk Affordability for piped water (Tk/mont Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Source River Shallow well	Yes Yes To control misuse of water and increase revenue collection 0 14,000 1224 2 Water Supply Area Nos. of source Drinking (%) Domestic (*) 0 0 0 10,000 95	Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year)	None, , , 165 1 0 2 Iron, Arsenic, Failure 30% shallow tube well in summer season d Water Supply System Evaluation WQ problems None Iron, Arsenic High No problem No 0 0.1
Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff Average household income/month (Tk Affordability for piped water (Tk/mont Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Source River	Yes Yes To control misuse of water and increase revenue collection 0 14,000 1224 2 Water Supply Area Nos. of source Drinking (%) Domestic (*) 0 0 0 10,000 95 8	Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level	None, , , 165 1 0 2 Iron, Arsenic, Failure 30% shallow tube well in summer season d Water Supply System Evaluation WQ problems None Iron, Arsenic High No problem No 0
Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff Average household income/month (Tk Affordability for piped water (Tk/mont Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Source River Shallow well	Yes Yes To control misuse of water and increase revenue collection 0 14,000 1) 224 2 Water Supply Area Nos. of source Drinking (%) Domestic (%) 10,000 95 8	Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year)	None, , , 165 1 0 2 Iron, Arsenic, Failure 30% shallow tube well in summer season d Water Supply System Evaluation WQ problems None Iron, Arsenic High No problem No 0 0.1

Shibpur With Piped Water Supply System A. Pourashava Profile Class С Sanitation coverage Division Dhaka Latrine with septic tank (%) 70 District Narshingdi Water sealed slab latrine (%) 20 Year established 2006 Water-related diseases , Diarrhea, , , Dysentery, Contact Tel/Fax 06256-75226 E-mail Shibpurpourashava@yahoo.com Technical staff (Nos.) Population (FY2010/2011) 40,000 Financial statements (2010/2011) Nos. of households (FY2010/2011) Annual budget (Tk) 30,876,980 7,000 Literacy (%) 90 Revenue (Tk) 13,671,390 Land area (km²) 10 Expenditure (Tk) 4,926,000 , , Trade license, Salary payment, Rate Computerization Residential area (km²) 3 schedule and estimate preparation, Residential area pop. density (persons/ha) 136 Engineering, Yearly logical budget Electricity coverage (%) 100 preparation, Procurement, Electricity availability (hrs) Committee formed Summer 16 TLCC /Frequency of meeting No Winter 20 WATSAN/Frequency of meeting No **B. Key Performance Indicators (Efficiency Indicators)** Water supply coverage (%) Metering ratio (%) Per capita produced water (L/d/ca) Operating ratio (%) Supply Hour (Hrs) No water supply service Collection ratio in amount (%) Non-revenue water (NRW) (%) Collection period (days) Pipe leakage ratio (point/km) Staffs/ 1,000 connections (ratio) Average revenue (Tk/m3 produced) Electricity arrear to annual revenue (%) Average O&M cost (Tk/m3 produced) Water supply Pipe leakage ratio (point/km) coverage (%) 10 8 8 Per capita Electricity arrear Average O&M cost Collection ratio in 6 to annual revenue oroduced water (Tk/m3 produced) amount (%) 4 (L/d/ca) (%) 0 ď Staffs/ 1,000 Metering ratio (%) Operating ratio (%) Supply hours (hrs) connections (ratio) Collection period Average revenue (days) (Tk/m3 produced) **Overall performance of Positive Pls Overall performance of Negative PIs** C. Water Supply Profile

1. General Information of Water Supply	Section	Chlorination points (Nos.)	
Water section established (year)	Not formed	PTW	-
Piped system introduced (year)	2006	IRP/AIRP	-
Pourashava responsibility	O&M, ,	Surface WTP	-
		Bulk flow meters (Nos.)	0
Computerization/Automation	None, , , , , ,	Bulk flow meter readings (Nos.)	-
		Total production, Summer (m ³ /day)	0
Staff in water section (Nos.)	0	(2) Distribution	
In which, staff with diploma or higher	0	Overhead tank	0
qualification (Nos.)			
2. Water Supply System		Overhead tanks (Nos.)	0
Operation of water supply facilities	Not in operation	Total capacity (m ³)	0
(1) Production		Distribution network (km):	6,740
Water sources for piped system	Groundwater,	Leakages in distribution (Nos.)	-
Production tube well		(3) O&M Problems	
PTW (Nos.)	3	Production wells	-
PTW not in operation (Nos.)	3		
Ave. depth (m)	270	Pump	-
Capacity at commission (m ³ /hrs)	0		
Ave. current capacity per unit (m ³ /hrs)	0	Treatment plant	-
Ave. production hours, Summer (hrs/day)	0		
Total production, Summer (m ³ /day)	0	Pipeline	-
Teatment plants (Nos.)			
AIRP	0	Customer water meter	-
IRP	0		
Surface water treatment plants	0	House connection	
Plants not in operation	0		
Production of plant	0	O&M manuals (Nos.)	-
Total capacity (m ³ /hrs)	0	O&M assistance form DPHE	No
Production hours, Summer (hrs/day)	0	Annual leakages (Nos.)	-
Total production (m ³ /day)	0	Leakage detection activity	-

3. Needs of Rehabilitation and Expansion	n	House connection fee (1/2") (Tk)	No water supply service
Rehabilitation		Tariff adopted year	No water tariff
Production tube well	-	Tariff setting policy	,,,,,
Treatment plant	-		
Distribution network	_	7. Water Quality Monitoring	
Expansion			
' '		Water quality monitoring plan	-
Production tube well	Yes	Parameters checked	-
Treatment plant	Yes	Frequency of quality test	-
Distribution network	Yes	Nos. of sampling location /year	-
4. Customer Service (Service indicators)		Water quality problems	
Coverage area (km²)	No water supply service	, , , , , , , , , , , , , , , , , , ,	
	* * *		
Population served (people)	No water supply service		
Service connections (Nos.)	0	8. Problems and Priority Needs	
Domestic	0	Major 3 problems	
Public tap/ stand pipe	0	(1)	-
Public institutions	0		
Commercial & industrial	0	(2)	
		(2)	-
Others	0		
Total	0	(3)	-
Metered connections (Nos.)	-		
Applications outstanding (Nos.)	-	Major 3 priority needs	
New connections in 2010/2011 (Nos.)	-	(1)	-
Average waiting time (days)		(±)	
Water pressure at the end of network	,,,	(2)	-
Continuity of service (hrs/day)	No water supply service		
Customer with 24 hrs supply (%)	No water supply service	(3)	-
Annual complaints (Nos.)	No water supply service		
Major complaints		9. Past and On-going Projects and Training	g
(1)		0
()	1	(1) Past 10 years projects	
		Name	-
(2			-
		Period	-
(3)	Funding agency	_
`		Executing agency	_
5. Financial Information (FY2010/11)		(2) Past 10 years projects	
			-
Annual budget (Tk)	0	Name	-
Annual revenue (Tk)	0		-
Annual expenditure (Tk)	0	Period	-
Annual O&M Costs (Tk)	0	Funding agency	_
Annual billings (Tk)	0	Executing agency	_
Annual collections (Tk)	0	On-going projects	_
· ·			
Water arrears (Tk)	0	Name	-
Electricity arrears (Tk)	No water supply service		-
Payment methods	,	Period	-
Self-billing		Funding agency	-
Billing frequency	0	Executing agency	-
6. Water Tariff and Metering (See Tarif		Training	0
Tariff Structure	· ·		Ť
raini structure	0	Nos. of training	0
		Nos. of Staff	0
Domestic 13 mm (1/2") (Tk/month)	0	Nos. of Staff Name of training (1)	-
Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month)	0		- -
Non-domestic lowest (Tk/month)		Name of training (1)	- -
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³)	0	Name of training (1) Name of training (2)	- - -
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area	0	Name of training (1) Name of training (2) Name of training (3)	
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply	0	Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic	, Boiling, , Filtration
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area	0	Name of training (1) Name of training (2) Name of training (3)	
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply	0	Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic	, Boiling, , Filtration
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of	0	Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.)	, Boiling, , Filtration Do not know
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water	O O Yes Yes To control wastage of water & minimize social	Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%)	, Boiling, , Filtration Do not know Do not know
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	0 0 Yes Yes	Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	, Boiling, , Filtration Do not know Do not know Do not know 5
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	O O Yes Yes To control wastage of water & minimize social	Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%)	, Boiling, , Filtration Do not know Do not know Do not know
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	O O Yes Yes To control wastage of water & minimize social	Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	, Boiling, , Filtration Do not know Do not know Do not know 5
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	O O Yes Yes To control wastage of water & minimize social	Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	, Boiling, , Filtration Do not know Do not know Do not know 5
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	O O Yes Yes To control wastage of water & minimize social	Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	, Boiling, , Filtration Do not know Do not know Do not know 5
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	O O Yes Yes To control wastage of water & minimize social	Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	, Boiling, , Filtration Do not know Do not know Do not know S Declination of water table , Iron
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff)	Yes Yes To control wastage of water & minimize social conflict.	Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area	, Boiling, , Filtration Do not know Do not know Do not know 5 Declination of water table , Iron
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk)	Yes Yes To control wastage of water & minimize social conflict.	Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piped Potential water sources	, Boiling, , Filtration Do not know Do not know Do not know 5 Declination of water table , Iron I Water Supply System Evaluation WQ problems
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month)	Yes Yes To control wastage of water & minimize social conflict. 0 25,000 250	Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piped Potential water sources Shallow well	, Boiling, , Filtration Do not know Do not know Do not know 5 Declination of water table , Iron Water Supply System Evaluation WQ problems Moderate Moderate
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordabile price in total household income (%)	Yes Yes To control wastage of water & minimize social conflict. 0 25,000 250 1	Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piped Potential water sources Shallow well Deep well	, Boiling, , Filtration Do not know Do not know Do not know 5 Declination of water table , Iron Water Supply System
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month)	Yes Yes To control wastage of water & minimize social conflict. 0 25,000 250 1	Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piped Potential water sources Shallow well	, Boiling, , Filtration Do not know Do not know Do not know 5 Declination of water table , Iron Water Supply System
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordabile price in total household income (%)	Yes Yes To control wastage of water & minimize social conflict. 0 25,000 250 1	Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piped Potential water sources Shallow well Deep well Surface water sources	, Boiling, , Filtration Do not know Do not know Do not know 5 Declination of water table , Iron Water Supply System
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped V	Yes Yes To control wastage of water & minimize social conflict. 0 25,000 250 1 Vater Supply Area	Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piped Potential water sources Shallow well Deep well Surface water sources Other sources	, Boiling, , Filtration Do not know Do not know Do not know 5 Declination of water table , Iron Water Supply System
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped V Source River	Yes Yes Yes To control wastage of water & minimize social conflict. 0 25,000 250 1 Vater Supply Area Nos. of source Drinking (%) Domestic (%) Domestic (%)	Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piped Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level	, Boiling, , Filtration Do not know Do not know Do not know 5 Declination of water table , Iron Water Supply System
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped V Source River Shallow well	Yes Yes Yes To control wastage of water & minimize social conflict. 0 25,000 250 1 Vater Supply Area Nos. of source Drinking (%) Domestic (%)	Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piped Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year)	, Boiling, , Filtration Do not know Do not know Do not know 5 Declination of water table , Iron Water Supply System
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordability for piped water (Tk/month) Affordabile price in total household income (%) 2. Exiting Water Sources in Non-Piped V Source River Shallow well Deep well	Yes Yes Yes To control wastage of water & minimize social conflict. 0 25,000 250 1 Vater Supply Area Nos. of source Drinking (%) Domestic (%) 5,000 95 80 0 0 0	Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piped Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year) Deep well (m/year)	, Boiling, , Filtration Do not know Do not know Do not know 5 Declination of water table , Iron Water Supply System
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped V Source River Shallow well	Yes Yes Yes To control wastage of water & minimize social conflict. 0 25,000 250 1 Vater Supply Area Nos. of source Drinking (%) Domestic (%)	Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piped Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year) Deep well (m/year)	, Boiling, , Filtration Do not know Do not know Do not know 5 Declination of water table , Iron Water Supply System

Singra With Piped Water Supply System



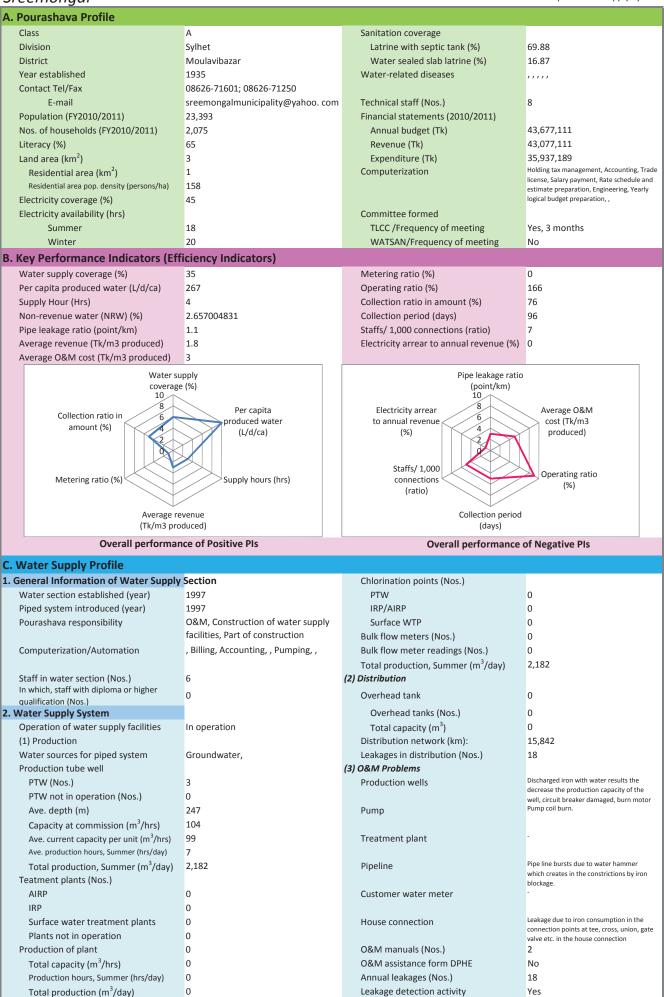
3. Needs of Rehabilitation and Expansio	n	House connection fee (1/2") (Tk)	500
Rehabilitation		Tariff adopted year	2006
Production tube well	No	Tariff setting policy	, Operation cost recovery (O&M
Treatment plant	No	· ,	costs), , , ,
Distribution network	No	7. Water Quality Monitoring	
	140		No
Expansion		Water quality monitoring plan	No
Production tube well	Yes	Parameters checked	-
Treatment plant	No	Frequency of quality test	-
Distribution network	Yes	Nos. of sampling location /year	-
4. Customer Service (Service indicators)		Water quality problems	-
,	10	water quality problems	
Coverage area (km²)			
Population served (people)	5,099		
Service connections (Nos.)	751	8. Problems and Priority Needs	
Domestic	661	Major 3 problems	
Public tap/ stand pipe	70	(1)	Low coverage
Public institutions	20	` ,	
Commercial & industrial	0	(2)	Less financial resources
		(2)	Less initialities resources
Others	0		
Total	751	(3)	No 24 hours supply
Metered connections (Nos.)	0		
Applications outstanding (Nos.)	0	Major 3 priority needs	
New connections in 2010/2011 (Nos.)	0		Increase of production capacity
	0	(1)	case s. production capacity
Average waiting time (days)			Distribution
Water pressure at the end of network	Good, , ,	(2)	Distribution network
Continuity of service (hrs/day)	6		
Customer with 24 hrs supply (%)	0	(3)	Reduction of NRW
Annual complaints (Nos.)	300		
Major complaints		9. Past and On-going Projects and Traini	ng
	Low coverage area		.0
(1)	Low coverage area	(1) Past 10 years projects	
		Name	-
(2)	No 24 hours supply		-
		Period	-
(3)	_	Funding agency	-
		Executing agency	_
F. Fig. and in Linford and in a (F)(2040/44)			
5. Financial Information (FY2010/11)		(2) Past 10 years projects	-
Annual budget (Tk)	0	Name	-
Annual revenue (Tk)	559,130		-
Annual expenditure (Tk)	1,019,283	Period	-
Annual O&M Costs (Tk)	500,976	Funding agency	-
Annual billings (Tk)	662,040	Executing agency	_
Annual collections (Tk)	559,130	On-going projects	-
Water arrears (Tk)	102,910	Name	-
Electricity arrears (Tk)	0		-
Payment methods	, Bank	Period	-
Self-billing	No	Funding agency	-
Billing frequency	Monthly	Executing agency	_
	•		
6. Water Tariff and Metering (See Tariff		Training	2
Tariff Structure	Based on pipe size	Nos. of training	2
		Nos. of Staff	2
Domestic 13 mm (1/2") (Tk/month)	60	Name of training (1)	Plan for water safety
Non-domestic lowest (Tk/month)	100	Name of training (2)	Water quality software
Lowest volumetric charge (Tk/m³)	0	Name of training (3)	-
D. Non-Piped Water Supply Area			
1. Necessity of Piped Water Supply		Main treatment method in domestic	None, , ,
		Main treatment method in domestic As contaminated wells (Nos.)	None, , , No data
1. Necessity of Piped Water Supply	Yes		
1. Necessity of Piped Water Supply Necessity of	Yes Yes	As contaminated wells (Nos.) Arsenic contaminated water supply (%)	No data
Necessity of Piped Water Supply Necessity of Piped water Water meter		As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%)	No data No data No data
Necessity of Piped Water Supply Necessity of Piped water	Yes - To save water and reduce waste in household By knowing actual consumed water.	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	No data No data No data 20
Necessity of Piped Water Supply Necessity of Piped water Water meter	Yes - To save water and reduce waste in household. - By knowing actual consumed water. - Make the actual bills. It will help us to improve the	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%)	No data No data No data
Necessity of Piped Water Supply Necessity of Piped water Water meter	Yes - To save water and reduce waste in household By knowing actual consumed water.	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	No data No data No data 20
Necessity of Piped Water Supply Necessity of Piped water Water meter	Yes - To save water and reduce waste in household. - By knowing actual consumed water. - Make the actual bills. It will help us to improve the	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	No data No data No data 20
Necessity of Piped Water Supply Necessity of Piped water Water meter	Yes - To save water and reduce waste in household. - By knowing actual consumed water. - Make the actual bills. It will help us to improve the	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	No data No data No data 20
Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons	Yes - To save water and reduce waste in household. - By knowing actual consumed water. - Make the actual bills. It will help us to improve the our system.	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area	No data No data No data 20 Declining of ground water table,
Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff)	Yes - To save water and reduce waste in household. - By knowing actual consumed water. - Make the actual bills. It will help us to improve the our system.	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe	No data No data No data 20 Declining of ground water table, d Water Supply System
Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk)	Yes - To save water and reduce waste in household By knowing actual consumed water Make the actual bills. It will help us to improve the our system. 0 12,000	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources	No data No data No data 20 Declining of ground water table, d Water Supply System Evaluation WQ problems
1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month)	Yes - To save water and reduce waste in household By knowing actual consumed water Make the actual bills. It will help us to improve the our system. 0 12,000 60	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well	No data No data No data 20 Declining of ground water table, d Water Supply System
1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%)	Yes - To save water and reduce waste in household By knowing actual consumed water Make the actual bills. It will help us to improve the our system. 0 12,000 60 1	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well	No data No data No data 20 Declining of ground water table, d Water Supply System Evaluation WQ problems None N
1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month)	Yes - To save water and reduce waste in household By knowing actual consumed water Make the actual bills. It will help us to improve the our system. 0 12,000 60 1	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well	No data No data No data 20 Declining of ground water table, d Water Supply System Evaluation WQ problems
1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%)	Yes - To save water and reduce waste in household By knowing actual consumed water Make the actual bills. It will help us to improve the our system. 0 12,000 60 1	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well	No data No data No data 20 Declining of ground water table, d Water Supply System Evaluation WQ problems None N
1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped V Source	Yes - To save water and reduce waste in household. - By knowing actual consumed water. - Make the actual bills. It will help us to improve the our system. 0 12,000 60 1 /ater Supply Area Nos. of source Drinking (%) Domestic (%)	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources	No data No data No data 20 Declining of ground water table, d Water Supply System Evaluation WQ problems None N - None No data
1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped V Source River	Yes - To save water and reduce waste in household. - By knowing actual consumed water. - Make the actual bills. It will help us to improve the our system. 0 12,000 60 1 ater Supply Area Nos. of source Drinking (%) Domestic (%) 2 0 10	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level	No data No data No data 20 Declining of ground water table, d Water Supply System Evaluation WQ problems None N None No data Yes -
1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped V Source River Shallow well	Yes - To save water and reduce waste in household. - By knowing actual consumed water. - Make the actual bills. It will help us to improve the our system. 0 12,000 60 1 Ater Supply Area Nos. of source Drinking (%) Domestic (%) 2 0 10 3,500 100 80	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year)	No data No data No data 20 Declining of ground water table, d Water Supply System Evaluation WQ problems None N None No data
1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped V Source River Shallow well Deep well	Yes - To save water and reduce waste in household By knowing actual consumed water Make the actual bills. It will help us to improve the our system. 0 12,000 60 1 Yater Supply Area Nos. of source Drinking (%) Domestic (%) 2 0 10 3,500 100 80 0 0 0	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year) Deep well (m/year)	No data No data No data 20 Declining of ground water table, d Water Supply System Evaluation WQ problems None N None No data Yes -
1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped V Source River Shallow well	Yes - To save water and reduce waste in household. - By knowing actual consumed water. - Make the actual bills. It will help us to improve the our system. 0 12,000 60 1 Ater Supply Area Nos. of source Drinking (%) Domestic (%) 2 0 10 3,500 100 80	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year) Deep well (m/year)	No data No data No data 20 Declining of ground water table, d Water Supply System Evaluation WQ problems None N None No data Yes -

Sirajganj With Piped Water Supply System

Sirajganj			With Piped Water Supply System
A. Pourashava Profile			
Class	A	Sanitation coverage	
Division	Rajshahi	Latrine with septic tank (%)	45
District	Sirajganj	Water sealed slab latrine (%)	0
Year established	1868	Water-related diseases	
Contact Tel/Fax	0751-62060 & 62098	water related diseases	11111
E-mail	siraj.pouro@gmail.com	Technical staff (Nos.)	15
		· · · ·	13
Population (FY2010/2011)	297,630	Financial statements (2010/2011)	476 446 709
Nos. of households (FY2010/2011)	20,229	Annual budget (Tk)	476,446,708
Literacy (%)	68	Revenue (Tk)	70,762,000
Land area (km²)	28	Expenditure (Tk)	59,860,000 Holding tax management, Accounting, Trade
Residential area (km²)	17	Computerization	license, Salary payment, Rate schedule and
Residential area pop. density (persons/ha)	175		estimate preparation, Engineering, Yearly
Electricity coverage (%)	95		logical budget preparation, ,
Electricity availability (hrs)		Committee formed	
Summer	18	TLCC /Frequency of meeting	Yes, 1 month
Winter	22	WATSAN/Frequency of meeting	Yes, 4 months
B. Key Performance Indicators (Ef	ficiency Indicators)		
Water supply coverage (%)	30	Metering ratio (%)	47
Per capita produced water (L/d/ca)	42	Operating ratio (%)	59
Supply Hour (Hrs)	2.5	Collection ratio in amount (%)	72
Non-revenue water (NRW) (%)	-	Collection period (days)	59
Pipe leakage ratio (point/km)	8.9	Staffs/ 1,000 connections (ratio)	10
Average revenue (Tk/m3 produced)	9.5	Electricity arrear to annual revenue (%)	0
Average O&M cost (Tk/m3 produced)	5.6	Licentify affect to difficult revenue (%)	Ĭ
Average Oxivi cost (Tk/Til3 produced)	3.0		
		n: 1 1	
	supply age (%)	Pipe leakage ratio (point/km)	
10	ABC (70)	10	
8	Per capita	Electricity arrear 8	
Collection ratio in 6	produced water	to annual revenue 6	Average O&M cost
amount (%)	(L/d/ca)	(%)	(Tk/m3 produced)
2		2	
		St-#-/4 000	
Metering ratio (%)	Supply hours (hrs)	Staffs/ 1,000 connections (ratio)	Operating ratio (%)
		connections (rutto)	
. ``			
-	revenue produced)	Collection period (days)	
	·	. , .	-fall-self - Di-
Overali performa	nce of Positive PIs	Overall performance	of Negative Pis
C. Water Supply Profile			
1. General Information of Water Supply			
	Section	Chlorination points (Nos.)	
Water section established (year)	Section 1983	Chlorination points (Nos.) PTW	0
Water section established (year) Piped system introduced (year)			0 2
	1983	PTW	
Piped system introduced (year)	1983 1983	PTW IRP/AIRP	
Piped system introduced (year)	1983 1983 O&M, ,	PTW IRP/AIRP Surface WTP	2
Piped system introduced (year) Pourashava responsibility	1983 1983	PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.)	2 - 0
Piped system introduced (year) Pourashava responsibility	1983 1983 O&M, ,	PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.)	2 - 0 0
Piped system introduced (year) Pourashava responsibility Computerization/Automation	1983 1983 O&M,, ,Billing,,,,,	PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution	2 - 0 0 3,770
Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.)	1983 1983 O&M,,	PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank	2 - 0 0 3,770
Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System	1983 1983 O&M,, , Billing,,,,,	PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.)	2 - 0 0 3,770 0 2
Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.)	1983 1983 O&M,, ,Billing,,,,,	PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³)	2 - 0 0 3,770
Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System	1983 1983 O&M,, , Billing,,,,,	PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.)	2 - 0 0 3,770 0 2
Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities	1983 1983 O&M,, , Billing,,,,,	PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³)	2 - 0 0 3,770 0 2 1,360
Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production	1983 1983 O&M, , , Billing, , , , , 18 1	PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km):	2 - 0 0 3,770 0 2 1,360 28,150
Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system	1983 1983 O&M, , , Billing, , , , , 18 1	PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.)	2 - 0 0 3,770 0 2 1,360 28,150
Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well	1983 1983 O&M, , , Billing, , , , , 18 1 In operation Groundwater,	PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems	2 - 0 0 3,770 0 2 1,360 28,150
Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.)	1983 1983 O&M, , , Billing, , , , , 18 1 In operation Groundwater,	PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems	2 - 0 0 3,770 0 2 1,360 28,150
Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m)	1983 1983 O&M, , , Billing, , , , , 18 1 In operation Groundwater, 18 10	PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells	2 - 0 0 3,770 0 2 1,360 28,150
Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs)	1983 1983 O&M,, , Billing,,,,, 18 1 In operation Groundwater, 18 10 150 96	PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells	2 - 0 0 0 3,770 0 2 1,360 28,150 250 sand filling, technical problem, stone,
Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs) Ave. current capacity per unit (m³/hrs)	1983 1983 O&M,, , Billing,,,,, 18 1 In operation Groundwater, 18 10 150 96 65	PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells	2 - 0 0 3,770 0 2 1,360 28,150 250
Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs) Ave. current capacity per unit (m³/hrs) Ave. production hours, Summer (hrs/day)	1983 1983 O&M,, , Billing,,,,, 18 1 In operation Groundwater, 18 10 150 96 65 7	PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells Pump Treatment plant	2 - 0 0 0 3,770 0 2 1,360 28,150 250 sand filling, technical problem, stone,
Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs) Ave. current capacity per unit (m³/hrs) Ave. production hours, Summer (hrs/day) Total production, Summer (m³/day)	1983 1983 O&M,, , Billing,,,,, 18 1 In operation Groundwater, 18 10 150 96 65	PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells	2 - 0 0 0 3,770 0 2 1,360 28,150 250 sand filling, technical problem, stone,
Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs) Ave. current capacity per unit (m³/hrs) Ave. production hours, Summer (hrs/day) Total production, Summer (m³/day) Teatment plants (Nos.)	1983 1983 O&M, , , Billing, , , , , 18 1 In operation Groundwater, 18 10 150 96 65 7 3,770	PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells Pump Treatment plant Pipeline	2 - 0 0 0 3,770 0 2 1,360 28,150 250 sand filling, technical problem, stone, sedimentation chamber, some repair
Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs) Ave. current capacity per unit (m³/hrs) Ave. production hours, Summer (hrs/day) Total production, Summer (m³/day) Teatment plants (Nos.) AIRP	1983 1983 O&M,, , Billing,,,,, 18 1 In operation Groundwater, 18 10 150 96 65 7 3,770	PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells Pump Treatment plant	2 - 0 0 0 3,770 0 2 1,360 28,150 250 sand filling, technical problem, stone,
Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs) Ave. current capacity per unit (m³/hrs) Ave. production hours, Summer (hrs/day) Total production, Summer (m³/day) Teatment plants (Nos.) AIRP IRP	1983 1983 O&M,, , Billing,,,,, 18 1 In operation Groundwater, 18 10 150 96 65 7 3,770	PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells Pump Treatment plant Pipeline Customer water meter	2 - 0 0 0 3,770 0 2 1,360 28,150 250 sand filling, technical problem, stone, sedimentation chamber, some repair
Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs) Ave. current capacity per unit (m³/hrs) Ave. production hours, Summer (hrs/day) Total production, Summer (m³/day) Teatment plants (Nos.) AIRP IRP Surface water treatment plants	1983 1983 O&M,, , Billing,,,,, 18 1 In operation Groundwater, 18 10 150 96 65 7 3,770	PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells Pump Treatment plant Pipeline	2 - 0 0 0 3,770 0 2 1,360 28,150 250 sand filling, technical problem, stone, sedimentation chamber, some repair
Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs) Ave. current capacity per unit (m³/hrs) Ave. production hours, Summer (hrs/day) Total production, Summer (m³/day) Teatment plants (Nos.) AIRP IRP Surface water treatment plants Plants not in operation	1983 1983 O&M, , , Billing, , , , , 18 1 In operation Groundwater, 18 10 150 96 65 7 3,770 2 2 0 0	PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells Pump Treatment plant Pipeline Customer water meter House connection	2 - 0 0 3,770 0 2 1,360 28,150 250 sand filling, technical problem, stone, sedimentation chamber, some repair
Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs) Ave. current capacity per unit (m³/hrs) Ave. production hours, Summer (hrs/day) Total production, Summer (m³/day) Teatment plants (Nos.) AIRP IRP Surface water treatment plants Plants not in operation Production of plant	1983 1983 O&M,, , Billing,,,,, 18 1 In operation Groundwater, 18 10 150 96 65 7 3,770 2 2 0 0 0	PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells Pump Treatment plant Pipeline Customer water meter House connection O&M manuals (Nos.)	2 - 0 0 3,770 0 2 1,360 28,150 250 sand filling, technical problem, stone, sedimentation chamber, some repair No problem 0
Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs) Ave. current capacity per unit (m³/hrs) Ave. production hours, Summer (hrs/day) Total production, Summer (m³/day) Teatment plants (Nos.) AIRP IRP Surface water treatment plants Plants not in operation Production of plant Total capacity (m³/hrs)	1983 1983 0&M,, , Billing,,,,, 18 1 In operation Groundwater, 18 10 150 96 65 7 3,770 2 2 0 0 0 0 500	PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells Pump Treatment plant Pipeline Customer water meter House connection O&M manuals (Nos.) O&M assistance form DPHE	2 - 0 0 3,770 0 2 1,360 28,150 250 sand filling, technical problem, stone, sedimentation chamber, some repair No problem 0 No
Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs) Ave. current capacity per unit (m³/hrs) Ave. production hours, Summer (hrs/day) Total production, Summer (m³/day) Teatment plants (Nos.) AIRP IRP Surface water treatment plants Plants not in operation Production of plant	1983 1983 0&M,, ,Billing,,,,, 18 1 In operation Groundwater, 18 10 150 96 65 7 3,770 2 2 0 0 0 0 500 15	PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells Pump Treatment plant Pipeline Customer water meter House connection O&M manuals (Nos.) O&M assistance form DPHE Annual leakages (Nos.)	2 - 0 0 3,770 0 2 1,360 28,150 250 sand filling, technical problem, stone, sedimentation chamber, some repair No problem 0
Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs) Ave. current capacity per unit (m³/hrs) Ave. production hours, Summer (hrs/day) Total production, Summer (m³/day) Teatment plants (Nos.) AIRP IRP Surface water treatment plants Plants not in operation Production of plant Total capacity (m³/hrs)	1983 1983 0&M,, , Billing,,,,, 18 1 In operation Groundwater, 18 10 150 96 65 7 3,770 2 2 0 0 0 0 500	PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells Pump Treatment plant Pipeline Customer water meter House connection O&M manuals (Nos.) O&M assistance form DPHE	2 - 0 0 3,770 0 2 1,360 28,150 250 sand filling, technical problem, stone, sedimentation chamber, some repair No problem 0 No

3. Needs of Rehabilitation and Expans	sion		House connection fee (1/2") (Tk)	300	
Rehabilitation			Tariff adopted year	2010	
Production tube well	No		Tariff setting policy	, Operation	cost recovery (O&M costs),
Treatment plant	Yes		· ,	, People's af	fordability to pay, ,
Distribution network	Yes		7. Water Quality Monitoring		
	163		Water quality monitoring plan	Yes	
Expansion			, ,		
Production tube well	No		Parameters checked		cteriological
Treatment plant	Yes		Frequency of quality test	1 Year	
Distribution network	Yes		Nos. of sampling location /year	24	
4. Customer Service (Service indicato	rs)		Water quality problems	Iron, Mn, Ba	cteria, Arsenic
Coverage area (km²)	14		η , μ		
	89,28	20			
Population served (people)					
Service connections (Nos.)	1,898		8. Problems and Priority Needs		
Domestic	1,801	1	Major 3 problems		
Public tap/ stand pipe	19		(1	Water qua	ality (Iron problem)
Public institutions	8				
Commercial & industrial	70		(2	1	
Others	0		,-	0	
		_	-		
Total	1,898	}	(3)		and managerial
Metered connections (Nos.)	886			capacity	
Applications outstanding (Nos.)	407		Major 3 priority needs		
New connections in 2010/2011 (Nos.)	250			Y/1 AIRP+	IRP
Average waiting time (days)	30		(+		
			/2		
Water pressure at the end of network	, , Lo	N,	(2	, -	
Continuity of service (hrs/day)	3				
Customer with 24 hrs supply (%)	0		(3)	House cor	nnection and water
Annual complaints (Nos.)	280			meter	
Major complaints			9. Past and On-going Projects and Traini	ng	
Wajor complaints	(1) Look:	age inside house and road		ъ	
	(I) Leake	age inside nouse and road	(1) Past 10 years projects		
			Name	-	
	(2) Wate	er meter		-	
			Period	-	
	(3) Low 9	supply pressure	Funding agency		
	(-)		Executing agency		
F. F					
5. Financial Information (FY2010/11)			(2) Past 10 years projects	-	
Annual budget (Tk)	476,4	146,708	Name	-	
Annual revenue (Tk)	13,06	50,000		-	
Annual expenditure (Tk)	12,99	95,000	Period	-	
Annual O&M Costs (Tk)	7,700		Funding agency		
` '					
Annual billings (Tk)		75,645	Executing agency	-	
Annual collections (Tk)	9,655		On-going projects	-	
Water arrears (Tk)	2,100),000	Name	-	
Electricity arrears (Tk)	0			STWSSP	
Payment methods	, Banl	k	Period	2010-2012	2
Self-billing	No		Funding agency	ADB	
		ble l		7100	
Billing frequency	Mont	•	Executing agency	DDITE	
6. Water Tariff and Metering (See Ta				DPHE	
	riff Datab	•	Training	0	
Tariff Structure	riff Datab	base) d on pipe size	Training Nos. of training		
Tariff Structure	riff Datab	•	_	0	
	riff Datab	•	Nos. of training	0	D&M
Domestic 13 mm (1/2") (Tk/month)	riff Datab Based	•	Nos. of training Nos. of Staff Name of training (1)	0 3 13 Pipe line 0	
Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month)	Based 100 150	•	Nos. of training Nos. of Staff Name of training (1) Name of training (2)	0 3 13 Pipe line 0 Double en	ntry accounting
Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m ³)	Based 100 150 0	•	Nos. of training Nos. of Staff Name of training (1)	0 3 13 Pipe line 0 Double en	
Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month)	Based 100 150 0	•	Nos. of training Nos. of Staff Name of training (1) Name of training (2)	0 3 13 Pipe line 0 Double en	ntry accounting
Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area	Based 100 150 0	•	Nos. of training Nos. of Staff Name of training (1) Name of training (2)	0 3 13 Pipe line 0 Double en	ntry accounting
Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area	Based 100 150 0	•	Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3)	0 3 13 Pipe line 0 Double en Water me	ntry accounting
Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of	100 150 0	•	Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.)	0 3 13 Pipe line (Double en Water me	ntry accounting
Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water	Based 100 150 0 Yes	•	Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%)	0 3 13 Pipe line 0 Double en Water me	ntry accounting
Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	Based 100 150 0 Yes Yes	d on pipe size	Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%)	0 3 13 Pipe line 0 Double en Water me	ntry accounting
Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water	Based 100 150 0 Yes Yes	•	Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%)	0 3 13 Pipe line 0 Double en Water me 7,7, 0 No data 15 15	ntry accounting eter installation, O&M
Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	Based 100 150 0 Yes Yes	d on pipe size	Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%)	0 3 13 Pipe line 0 Double en Water me /// 0 No data 15 15 Iron, Arsenio	ntry accounting
Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	Based 100 150 0 Yes Yes	d on pipe size	Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	0 3 13 Pipe line 0 Double en Water me 7,7, 0 No data 15 15	ntry accounting eter installation, O&M
Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	Based 100 150 0 Yes Yes	d on pipe size	Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	0 3 13 Pipe line 0 Double en Water me /// 0 No data 15 15 Iron, Arsenio	ntry accounting eter installation, O&M
Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	Based 100 150 0 Yes Yes	d on pipe size	Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	0 3 13 Pipe line 0 Double en Water me /// 0 No data 15 15 Iron, Arsenio	ntry accounting eter installation, O&M
Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons	riff Datak Based 100 150 0 a Yes People	d on pipe size	Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area	0 3 13 Pipe line (Double en Water me /// 0 No data 15 Iron, Arsenic season	ntry accounting eter installation, O&M c., Water unavailable in dry
Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staf	riff Datak Based 100 150 0 a Yes Yes People	d on pipe size	Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area	0 3 13 Pipe line (Double en Water me /// 0 No data 15 Iron, Arsenic season	ntry accounting eter installation, O&M c, Water unavailable in dry
Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staf Average household income/month (Tk/	riff Datak Based 100 150 0 a Yes Yes People	d on pipe size are willing to pay 0-3,000	Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe	13 Pipe line (Double en Water me Water me No data 15 Iron, Arsenic season d Water St Evaluation	ntry accounting eter installation, O&M c, Water unavailable in dry upply System WQ problems
Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staf	riff Datak Based 100 150 0 a Yes Yes People	d on pipe size	Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area	0 3 13 Pipe line (Double en Water me /// 0 No data 15 Iron, Arsenic season	ntry accounting eter installation, O&M c, Water unavailable in dry upply System WQ problems
Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staf Average household income/month (Tk/	riff Datak Based 100 150 0 A Yes Yes People ff) 0 1,500 1,500 th) Do not	d on pipe size are willing to pay 0-3,000	Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe	13 Pipe line (Double en Water me Water me No data 15 Iron, Arsenic season d Water St Evaluation	ter installation, O&M c, Water unavailable in dry upply System WQ problems Pollution, some Iron problem
Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staf Average household income/month (Tk Affordability for piped water (Tk/mont Affordable price in total household income (%)	riff Datak Based 100 150 0 A Yes Yes People 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500 1,500	d on pipe size are willing to pay 0-3,000 ot know ot know	Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well	0 3 13 Pipe line (Double en Water me /// 0 No data 15 Iron, Arsenic season d Water Si Evaluation Moderate Moderate	ter installation, O&M c, Water unavailable in dry upply System WQ problems Pollution, some fron problem Fe problem
Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staf Average household income/month (Tk Affordability for piped water (Tk/mont Affordable price in total household income (%) 2. Exitting Water Sources in Non-Piped	riff Datak Based 100 150 0 a Yes Yes People 1,500 b 1,500 b 1,500 b 1,500 b 1,500 b 1,500 c	o-3,000 ot know ot know ot know ot know	Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources	0 3 13 Pipe line (Double en Water me Water me No data 15 Iron, Arsenic season d Water St Evaluation Moderate Moderate High	ter installation, O&M ter installation, O&M c, Water unavailable in dry upply System WQ problems Pollution, some Iron problem Fe problem No pollution
Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staf Average household income/month (Tk Affordability for piped water (Tk/mont Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Source	riff Datak Based 100 150 0 a Yes Yes People 1,500 b 1,500 b 1,500 b 1,500 b 1,500 b 1,500 c	d on pipe size are willing to pay 0-3,000 ot know ot know Supply Area us. of source Drinking (%) Domestic (%)	Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources	0 3 13 Pipe line (Double en Water me /// 0 No data 15 Iron, Arsenic season d Water Si Evaluation Moderate Moderate	ter installation, O&M c, Water unavailable in dry upply System WQ problems Pollution, some fron problem Fe problem
Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staf Average household income/month (Tk Affordability for piped water (Tk/mont Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Source River	riff Datak Based 100 150 0 a Yes Yes People 1,500 b 1,500 b 1,500 b 1,500 b 1,500 b 1,500 c	d on pipe size are willing to pay 0-3,000 ot know ot know ot know Supply Area us. of source Drinking (%) Domestic (%) 5 3 10	Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level	0 3 13 Pipe line (Double en Water me Water me No data 15 Iron, Arsenic season d Water St Evaluation Moderate Moderate High	ter installation, O&M ter installation, O&M c, Water unavailable in dry upply System WQ problems Pollution, some Iron problem Fe problem No pollution
Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staf Average household income/month (Tk Affordability for piped water (Tk/mont Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped	riff Datak Based 100 150 0 a Yes Yes People 1,500 b 1,500 b 1,500 b 1,500 b 1,500 b 1,500 c	d on pipe size are willing to pay 0-3,000 ot know ot know Supply Area us. of source Drinking (%) Domestic (%)	Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level	0 3 13 Pipe line (Double en Water me Water me No data 15 Iron, Arsenic season d Water St Evaluation Moderate Moderate High	ter installation, O&M ter installation, O&M c, Water unavailable in dry upply System WQ problems Pollution, some Iron problem Fe problem No pollution
Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staf Average household income/month (Tk Affordability for piped water (Tk/mont Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Source River	riff Datak Based 100 150 0 a Yes Yes People 1,500 b 1,500 b 1,500 b 1,500 b 1,500 b 1,500 c	d on pipe size are willing to pay 0-3,000 ot know ot know ot know Supply Area us. of source Drinking (%) Domestic (%) 5 3 10	Nos. of training Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year)	0 3 13 Pipe line (Double en Water me Water me No data 15 Iron, Arsenic season d Water St Evaluation Moderate Moderate High	ter installation, O&M ter installation, O&M c, Water unavailable in dry upply System WQ problems Pollution, some Iron problem Fe problem No pollution
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Sreemongal With Piped Water Supply System



		House connection for (1/2") (Th)	1,000
3. Needs of Rehabilitation and Expansio	1	House connection fee (1/2") (Tk)	2011
Rehabilitation		Tariff adopted year	
Production tube well	Yes	Tariff setting policy	,,,,,
Treatment plant	No		
Distribution network	Yes	7. Water Quality Monitoring	
Expansion		Water quality monitoring plan	Yes
Production tube well	Yes	Parameters checked	Fe, As & Chlorides
Treatment plant	No	Frequency of quality test	once in a year
•			· ·
Distribution network	Yes	Nos. of sampling location /year	6
4. Customer Service (Service indicators)		Water quality problems	-
Coverage area (km²)	1		
Population served (people)	8,188		
Service connections (Nos.)	828	8. Problems and Priority Needs	
, , ,		The state of the s	
Domestic	750	Major 3 problems	
Public tap/ stand pipe	22	(1)	Low coverage in the pipeline.
Public institutions	20		
Commercial & industrial	36	(2)	Less financial resources
Others	0		
Total	828	(2)	Leakage in water line.
		(5)	Leakage III water IIIIe.
Metered connections (Nos.)	0		
Applications outstanding (Nos.)	0	Major 3 priority needs	
New connections in 2010/2011 (Nos.)	0	(1)	Installation of house meters to
Average waiting time (days)	0	(-)	all consumers
. , , ,	i e	(2)	Increase of tariff rates to cover
Water pressure at the end of network	, , Low,	(2)	
Continuity of service (hrs/day)	4		O&M costs
Customer with 24 hrs supply (%)	0	(3)	24-hour supply
Annual complaints (Nos.)	50		
Major complaints		9. Past and On-going Projects and Traini	ng
	The quantity of water is less.		.0
(1,	The quantity of water is less.	(1) Past 10 years projects	
		Name	-
(2)	Do not get water in time.		-
		Period	-
(3)	Iron	Funding agency	_
(5,	11011		
		Executing agency	-
5. Financial Information (FY2010/11)		(2) Past 10 years projects	-
Annual budget (Tk)	0	Name	Supply & Installation of production tube well at Shaghordighir Par.
Annual revenue (Tk)	1,428,476		-
Annual expenditure (Tk)	2,377,944	Period	Supply & Installation of production tube well at Shaghordighir Par.
Annual O&M Costs (Tk)	2,377,944	Funding agency	2007 - 2008
Annual billings (Tk)	1,589,333	Executing agency	Pourashava's own fund
Annual collections (Tk)	1,214,865	On-going projects	Pourashava
Water arrears (Tk)	374,465	Name	-
Electricity arrears (Tk)	0		Second Urban Governance & infrastructure Improvement Project (UGIIP- II)
		D : 1	
Payment methods	, Bank	Period	2009 - 2014
Self-billing	No	Funding agency	ADB, GOB, KFW & GIZ
Billing frequency	Monthly	Executing agency	LGED & ULB
6. Water Tariff and Metering (See Tariff	'	Training	-
Tariff Structure	Based on pipe size	Nos. of training	2
raini Structure	Dasca on pipe SIZE	INVO VI II GIIIIII	
		<u> </u>	
		Nos. of Staff	2
Domestic 13 mm (1/2") (Tk/month)	120	<u> </u>	
Domestic 13 mm (1/2") (Tk/month) Non-domestic lowest (Tk/month)	120 170	Nos. of Staff	2
Non-domestic lowest (Tk/month)		Nos. of Staff Name of training (1) Name of training (2)	2 Operation of the municipal water billing software.
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³)	170	Nos. of Staff Name of training (1)	2 Operation of the municipal water billing software.
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area	170	Nos. of Staff Name of training (1) Name of training (2) Name of training (3)	2 Operation of the municipal water billing software. Operation of the municipal water billing system refreshing training.
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³)	170	Nos. of Staff Name of training (1) Name of training (2)	2 Operation of the municipal water billing software.
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area	170	Nos. of Staff Name of training (1) Name of training (2) Name of training (3)	2 Operation of the municipal water billing software. Operation of the municipal water billing system refreshing training.
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of	170 0	Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.)	2 Operation of the municipal water billing software. Operation of the municipal water billing system refreshing training. , Boiling, , 0
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water	170 0 Yes	Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%)	2 Operation of the municipal water billing software. Operation of the municipal water billing system refreshing training. , Boilling, , 0 0
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	170 0 Yes Yes	Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%)	2 Operation of the municipal water billing software. Operation of the municipal water billing system refreshing training. , Boilling, , 0 0 0
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water	170 0 Yes Yes To save water and reduce waste in household, and	Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	2 Operation of the municipal water billing software. Operation of the municipal water billing system refreshing training. , Boilling, , 0 0
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	170 0 Yes Yes	Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	2 Operation of the municipal water billing software. Operation of the municipal water billing system refreshing training. , Boilling, , 0 0 5 High concentration of iron.,
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	170 0 Yes Yes To save water and reduce waste in household, and	Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	2 Operation of the municipal water billing software. Operation of the municipal water billing system refreshing training. , Boilling, , 0 0 5 High concentration of iron., Sometimes spread bad smells in
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	170 0 Yes Yes To save water and reduce waste in household, and	Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	2 Operation of the municipal water billing software. Operation of the municipal water billing system refreshing training. , Boilling, , 0 0 5 High concentration of iron.,
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	170 0 Yes Yes To save water and reduce waste in household, and	Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	2 Operation of the municipal water billing software. Operation of the municipal water billing system refreshing training. , Boilling, , 0 0 5 High concentration of iron., Sometimes spread bad smells in
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons	Yes Yes To save water and reduce waste in household, and reduce non-revenue water (NRW), meter is required.	Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area	2 Operation of the municipal water billing software. Operation of the municipal water billing system refreshing training. , Boiling, , 0 0 5 High concentration of iron., Sometimes spread bad smells in water.
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	Yes Yes To save water and reduce waste in household, and reduce non-revenue water (NRW), meter is required.	Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	2 Operation of the municipal water billing software. Operation of the municipal water billing system refreshing training. , Boiling, , 0 0 5 High concentration of iron., Sometimes spread bad smells in water.
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons	Yes Yes To save water and reduce waste in household, and reduce non-revenue water (NRW), meter is required.	Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area	2 Operation of the municipal water billing software. Operation of the municipal water billing system refreshing training. , Boiling, , 0 0 5 High concentration of iron., Sometimes spread bad smells in water.
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff)	170 0 Yes Yes To save water and reduce waste in household, and reduce non-revenue water (NRW), meter is required. 0 20,000	Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area	2 Operation of the municipal water billing software. Operation of the municipal water billing system refreshing training. , Boiling, , 0 0 0 5 High concentration of iron., Sometimes spread bad smells in water. d Water Supply System
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk)	170 0 Yes Yes To save water and reduce waste in household, and reduce non-revenue water (NRW), meter is required. 0 20,000 300	Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well	2 Operation of the municipal water billing software. Operation of the municipal water billing system refreshing training. , Boiling, , 0 0 0 5 High concentration of iron., Sometimes spread bad smells in water. d Water Supply System Evaluation WQ problems None Iron
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%)	170 0 Yes Yes To save water and reduce waste in household, and reduce non-revenue water (NRW), meter is required. 0 20,000 300 2	Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well	2 Operation of the municipal water billing software. Operation of the municipal water billing system refreshing training. , Boiling, , 0 0 0 5 High concentration of iron., Sometimes spread bad smells in water. d Water Supply System Evaluation WQ problems None Iron Moderate Less percentage of iron
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped V	Yes Yes Yos To save water and reduce waste in household, and reduce non-revenue water (NRW), meter is required. 0 20,000 300 2 (ater Supply Area	Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources	2 Operation of the municipal water billing software. Operation of the municipal water billing system refreshing training. , Boiling, , 0 0 0 5 High concentration of iron., Sometimes spread bad smells in water. d Water Supply System Evaluation WQ problems None Iron Moderate Less percentage of iron Moderate water contains less turbul but good quality.
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%)	170 0 Yes Yes To save water and reduce waste in household, and reduce non-revenue water (NRW), meter is required. 0 20,000 300 2	Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources	2 Operation of the municipal water billing software. Operation of the municipal water billing system refreshing training. , Boiling, , 0 0 0 5 High concentration of iron., Sometimes spread bad smells in water. d Water Supply System Evaluation WQ problems None Iron Moderate Less percentage of iron
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped V	Yes Yes Yos To save water and reduce waste in household, and reduce non-revenue water (NRW), meter is required. 0 20,000 300 2 (ater Supply Area	Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources	2 Operation of the municipal water billing software. Operation of the municipal water billing system refreshing training. , Boiling, , 0 0 0 5 High concentration of iron., Sometimes spread bad smells in water. d Water Supply System Evaluation WQ problems None Iron Moderate Less percentage of iron Moderate water contains less turbul but good quality.
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped V Source River	Yes Yes Yes To save water and reduce waste in household, and reduce non-revenue water (NRW), meter is required. 0 20,000 300 2 ater Supply Area Nos. of source Drinking (%) Domestic (%)	Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level	2 Operation of the municipal water billing software. Operation of the municipal water billing system refreshing training. , Boiling, , 0 0 0 5 High concentration of iron., Sometimes spread bad smells in water. d Water Supply System Evaluation WQ problems None Iron Moderate Less percentage of iron Moderate water contains less turbul but good quality.
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped V Source River Shallow well	Yes Yes Yes To save water and reduce waste in household, and reduce non-revenue water (NRW), meter is required. 0 20,000 300 2 ater Supply Area Nos. of source Drinking (%) Domestic (%) 1 5 35 0 0 0	Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year)	2 Operation of the municipal water billing software. Operation of the municipal water billing system refreshing training. , Boiling, , 0 0 5 High concentration of iron., Sometimes spread bad smells in water. d Water Supply System Evaluation WQ problems None Iron Moderate Less percentage of iron Moderate water contains less turbid but good quality. No -
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped V Source River Shallow well Deep well	170 0 Yes Yes Yes To save water and reduce waste in household, and reduce non-revenue water (NRW), meter is required. 0 20,000 300 2 ater Supply Area Nos. of source Drinking (%) Domestic (%) 1 5 35 0 0 0 25	Nos. of Staff Name of training (1) Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year) Deep well (m/year)	2 Operation of the municipal water billing software. Operation of the municipal water billing system refreshing training. , Boiling, , 0 0 0 5 High concentration of iron., Sometimes spread bad smells in water. d Water Supply System Evaluation WQ problems None Iron Moderate Less percentage of iron Moderate water contains less turbul but good quality.
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A. Pourashava Profile Class В Sanitation coverage Latrine with septic tank (%) Division Rajshahi 3.5 District Pabna Water sealed slab latrine (%) 84 Year established 1998 Water-related diseases , Diarrhea, , Typhoid, Dysentery, Jaundice Contact Tel/Fax Tel: 07329-56222 (in/c Fax) E-mail Technical staff (Nos.) 14 Population (FY2010/2011) 35,365 Financial statements (2010/2011) 0 Nos. of households (FY2010/2011) 5,076 164,006,290 Annual budget (Tk) Literacy (%) 67 Revenue (Tk) 14,006,295 Land area (km²) 11 Expenditure (Tk) 11,364,184 , , , Salary payment, Rate schedule and estimate Computerization Residential area (km²) 5 preparation, Engineering, Yearly logical budget preparation, Procurement, Residential area pop. density (persons/ha) 69 Electricity coverage (%) 90 Electricity availability (hrs) Committee formed Summer 18 TLCC /Frequency of meeting Yes, 3 months Winter 22 WATSAN/Frequency of meeting No **B. Key Performance Indicators (Efficiency Indicators)**

Water supply coverage (%)

Per capita produced water (L/d/ca)

Supply Hour (Hrs)

Non-revenue water (NRW) (%)

Non-revenue water (NRW) (%)

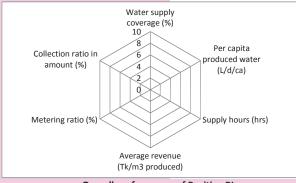
Non-revenue water (NRW) (%)

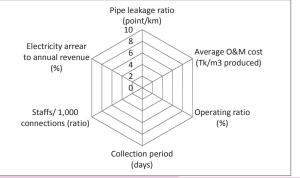
Pipe leakage ratio (point/km)

Average revenue (Tk/m3 produced)

Average O&M cost (Tk/m3 produced)

Metering ratio (%)
Operating ratio (%)
Collection ratio in amount (%)
Collection period (days)
Staffs/ 1,000 connections (ratio)
Electricity arrear to annual revenue (%)





Overall performance of Positive PIs

Overall performance of Negative Pls

C. Water Supply Profile			
1. General Information of Water Supply	Section	Chlorination points (Nos.)	
Water section established (year)	Not formed	PTW	0
Piped system introduced (year)	No answer	IRP/AIRP	0
Pourashava responsibility	, ,	Surface WTP	0
		Bulk flow meters (Nos.)	0
Computerization/Automation	None, , , , , ,	Bulk flow meter readings (Nos.)	0
		Total production, Summer (m ³ /day)	0
Staff in water section (Nos.)	3	(2) Distribution	
In which, staff with diploma or higher	0	Overhead tank	0
qualification (Nos.) 2. Water Supply System		Overhead tanks (Nos.)	0
Operation of water supply facilities	Not in operation	Total capacity (m ³)	0
(1) Production	Not in operation	Distribution network (km):	21,000
Water sources for piped system	Groundwater,	Leakages in distribution (Nos.)	-
Production tube well	Groundwater,	(3) O&M Problems	
PTW (Nos.)	5	Production wells	-
PTW not in operation (Nos.)	5	r roddetion wens	
Ave. depth (m)	75	Pump	-
Capacity at commission (m ³ /hrs)	0		
Ave. current capacity per unit (m³/hrs)	0	Treatment plant	-
Ave. production hours, Summer (hrs/day)	0		
Total production, Summer (m ³ /day)	0	Pipeline	-
Teatment plants (Nos.)			
AIRP	0	Customer water meter	-
IRP	0		
Surface water treatment plants	0	House connection	-
Plants not in operation	0		
Production of plant	0	O&M manuals (Nos.)	-
Total capacity (m ³ /hrs)	0	O&M assistance form DPHE	No
Production hours, Summer (hrs/day)	0	Annual leakages (Nos.)	-
Total production (m ³ /day)	0	Leakage detection activity	-

3. Needs of Rehabilitation and Expansion		House connection for (1/2") (Tk)	No water supply service
Rehabilitation		House connection fee (1/2") (Tk) Tariff adopted year	No water supply service
	No		No water tariii
Production tube well	No No	Tariff setting policy	,,,,,
Treatment plant	No	T. Maria a O. alia a Marailla di ca	
Distribution network	No	7. Water Quality Monitoring	
Expansion		Water quality monitoring plan	-
Production tube well	No	Parameters checked	-
Treatment plant	No	Frequency of quality test	-
Distribution network	No	Nos. of sampling location /year	-
4. Customer Service (Service indicators)		Water quality problems	-
Coverage area (km²)	No water supply service		
Population served (people)	No water supply service		
Service connections (Nos.)	0	8. Problems and Priority Needs	
Domestic	0	Major 3 problems	
Public tap/ stand pipe	0	(1)	-
Public institutions	0	, ,	
Commercial & industrial	0	(2)	_
Others	0	(-/	
Total	0	(3)	
Metered connections (Nos.)		(3)	
` '		Major 3 priority poods	
Applications outstanding (Nos.)	-	Major 3 priority needs	
New connections in 2010/2011 (Nos.)	-	(1)	-
Average waiting time (days)	-		
Water pressure at the end of network	,,,	(2)	-
Continuity of service (hrs/day)	No water supply service		
Customer with 24 hrs supply (%)	No water supply service	(3)	-
Annual complaints (Nos.)	No water supply service		
Major complaints		9. Past and On-going Projects and Training	g
(1) -	(1) Past 10 years projects	
· ·		Name	-
(2	-		_
,2	'	Period	
(3			
(3) -	Funding agency	-
:		Executing agency	-
5. Financial Information (FY2010/11)		(2) Past 10 years projects	-
Annual budget (Tk)	0	Name	-
Annual revenue (Tk)	0		-
Annual expenditure (Tk)	0	Period	-
Annual O&M Costs (Tk)	0	Funding agency	-
Annual billings (Tk)	0	Executing agency	-
Annual collections (Tk)	0	On-going projects	-
Water arrears (Tk)	0	Name	-
Electricity arrears (Tk)	No water supply service		Water Supply & Sanitation Environme
Payment methods	The trace, supply service	Period	2010-2012
Self-billing	'	Funding agency	GOB
	0		DPHE
Billing frequency		Executing agency	DPRE
6. Water Tariff and Metering (See Tariff	· ·	Training	-
Tariff Structure	0	Nos. of training	-
		Nos. of Staff	-
Domestic 13 mm (1/2") (Tk/month)	0	Name of training (1)	-
Non-domestic lowest (Tk/month)	0	Name of training (2)	-
Lowest volumetric charge (Tk/m³)	0	Name of training (3)	-
D. Non-Piped Water Supply Area			
1. Necessity of Piped Water Supply		Main treatment method in domestic	None, , ,
Necessity of		As contaminated wells (Nos.)	Do not know
Piped water	No	Arsenic contaminated water supply (%)	Do not know
Water meter	No	Unhygienic drinking water (%)	Do not know
Reasons	-	% of people using neighbor's well for drinking	20
Neasons			Some tube well are contaminated by iron,
		Problems in non-piped water supply area	Ponds are contaminated by human waste
Affordability (answered by pourashava staff)	0	3. Potential Water Sources for Non-Piped	
Average household income/month (Tk)	7,500	Potential water sources	Evaluation WQ problems
Affordability for piped water (Tk/month)	150	Shallow well	None Iron
	2	Deep well	Moderate Iron
Affordable price in total household income (%)		Surface water sources	None During dry period there is no water
Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped W	ater Supply Area	barrace water boardes	
	Ater Supply Area Nos. of source Drinking (%) Domestic (%)	Other sources	No -
2. Exiting Water Sources in Non-Piped W Source	Nos. of source Drinking (%) Domestic (%)	Other sources	
2. Exiting Water Sources in Non-Piped W Source River	Nos. of source Drinking (%) Domestic (%) 0 0 0	Other sources Decrease of ground water level	No -
2. Exiting Water Sources in Non-Piped W Source River Shallow well	Nos. of source	Other sources Decrease of ground water level Shallow well (m/year)	
2. Exiting Water Sources in Non-Piped W Source River Shallow well Deep well	Nos. of source	Other sources Decrease of ground water level	No -
2. Exiting Water Sources in Non-Piped W Source River Shallow well	Nos. of source	Other sources Decrease of ground water level Shallow well (m/year)	No -

Sunamganj With Piped Water Supply System

A. Pourashava Profile Class Sanitation coverage Division Svlhet Latrine with septic tank (%) 81 District Sunamganj Water sealed slab latrine (%) Year established 1919 Water-related diseases Contact Tel/Fax 0871-55040, 0871-61548; 0871-61738 Technical staff (Nos.) E-mail sunampoura@yahoo.com Population (FY2010/2011) 87,570 Financial statements (2010/2011) Nos. of households (FY2010/2011) 249,610,300 Annual budget (Tk) 7,981 Literacy (%) 61 Revenue (Tk) 49.330.000 Land area (km²) 22 Expenditure (Tk) 243,400,000 Holding tax management, Accounting, Trade Residential area (km²) 10 Computerization license, Salary payment, Rate schedule and Residential area pop. density (persons/ha) 84 estimate preparation, Engineering, Yearly 98 logical budget preparation, , Electricity coverage (%) Committee formed Electricity availability (hrs) Summer 20 TLCC /Frequency of meeting Yes, 3 months Winter 23 WATSAN/Frequency of meeting Yes, 6 months B. Key Performance Indicators (Efficiency Indicators) Water supply coverage (%) Metering ratio (%) 0 29 98 Per capita produced water (L/d/ca) 120 Operating ratio (%) Supply Hour (Hrs) 2.5 Collection ratio in amount (%) 105 Non-revenue water (NRW) (%) Collection period (days) 146 Pipe leakage ratio (point/km) 41.8 Staffs/ 1,000 connections (ratio) 11 Average revenue (Tk/m3 produced) 2.7 Electricity arrear to annual revenue (%) 0 Average O&M cost (Tk/m3 produced) 2.6 Pipe leakage ratio Water supply coverage (%) (point/km) 8 Per capita Electricity arrear Collection ratio in Average O&M cost roduced water to annual revenue amount (%) (Tk/m3 produced) (%) (L/d/ca) Staffs/ 1,000 Metering ratio (%) Supply hours (hrs) Operating ratio (%) connections (ratio) Average revenue Collection period (Tk/m3 produced) (davs) **Overall performance of Positive PIs Overall performance of Negative PIs** C. Water Supply Profile 1. General Information of Water Supply Section Chlorination points (Nos.) Water section established (year) 1992 PTW IRP/AIRP Piped system introduced (year) 1987 Pourashava responsibility O&M, Construction of water supply Surface WTP facilities, Bulk flow meters (Nos.) 0 Computerization/Automation , Billing, Accounting, Asset Bulk flow meter readings (Nos.) n management, , , 3.000 Total production, Summer (m³/day) Staff in water section (Nos.) 16 (2) Distribution In which, staff with diploma or higher 1 Overhead tank n qualification (Nos.) 2. Water Supply System Overhead tanks (Nos.) 2 Operation of water supply facilities Total capacity (m³) 600 In operation (1) Production Distribution network (km): 3.947 Water sources for piped system , River Leakages in distribution (Nos.) 165 Production tube well (3) O&M Problems Production wells PTW (Nos.) n PTW not in operation (Nos.) 0 Two Submersible pump has the same Ave. depth (m) Pump capacity, 50 HP. Leakage in the pumps. Capacity at commission (m³/hrs) 0 Due to interruption of power, centrifugal 0 Treatment plant Ave. current capacity per unit (m³/hrs) pump create problem. Sedimentation Basin Ave. production hours, Summer (hrs/day) 0 filled up by fine sand. Leakage problem in the pipe networks. Total production, Summer (m³/day) 0 Pipeline Teatment plants (Nos.) AIRP 0 Customer water meter IRP 0 Pressure in the network is very low Surface water treatment plants 1 House connection 0 Plants not in operation Production of plant n O&M manuals (Nos.) Total capacity (m³/hrs) O&M assistance form DPHE 250 No Production hours, Summer (hrs/day) 12 Annual leakages (Nos.) 165

Leakage detection activity

Yes

Total production (m³/day)

3,000

3. Needs of Rehabilitation and Expansi Rehabilitation Production tube well Treatment plant Distribution network			
Production tube well Treatment plant Distribution network	on	House connection fee (1/2") (Tk)	700
Treatment plant Distribution network		Tariff adopted year	2007
Distribution network	No	Tariff setting policy	Full cost recovery, , Demand
Distribution network	Yes	· ,	management, , ,
	No	7. Water Quality Monitoring	
Expansion	140	Water quality monitoring plan	Yes
	N		
Production tube well	No	Parameters checked	Fe, As, Bacteria contamination, p
Treatment plant	Yes	Frequency of quality test	once in a year
Distribution network	Yes	Nos. of sampling location /year	24
4. Customer Service (Service indicators	.)	Water quality problems	Because of leakage water gets
Coverage area (km²)	6		contaminated by different types of
Population served (people)	25,000		waste.
Service connections (Nos.)	1,496	8. Problems and Priority Needs	
Domestic	1,421	Major 3 problems	
	5		Low coverage
Public tap/ stand pipe		(1)	Low coverage
Public institutions	0		
Commercial & industrial	55	(2)	Less treatment technology
Others	15 (in mosque)		zess treatment tesmiology
Total	1,481	(3)	Leakage & water quality
Metered connections (Nos.)	0		problem
Applications outstanding (Nos.)	5	Major 3 priority needs	
	165		Treatment plant
New connections in 2010/2011 (Nos.)		(1)	Treatment plant
Average waiting time (days)	3		Distribution in the
Water pressure at the end of network	, , Low,	(2)	Distribution network
Continuity of service (hrs/day)	3		
Customer with 24 hrs supply (%)	0	(3)	Capacity building for staff and
Annual complaints (Nos.)	1,825		management
Major complaints		9. Past and On-going Projects and Training	ng
	(1) Water volume is less.	(1) Past 10 years projects	
	, 1) Trace. Volume is ress.	Name	
	(2) Distribution line is leadens	Name	
	(2) Distribution line is leakage.		-
		Period	-
	(3) Water is not available in time due to	Funding agency	-
	load shading & submersible pump	Executing agency	-
5. Financial Information (FY2010/11)		(2) Past 10 years projects	-
Annual budget (Tk)	60,070,300	Name	-
Annual revenue (Tk)	2,954,082		_
Annual expenditure (Tk)	2,895,000	Period	
Annual O&M Costs (Tk)	2,895,000	Funding agency	-
Annual billings (Tk)	2,818,400	Executing agency	-
Annual collections (Tk)	2,954,085	On-going projects	-
Water arrears (Tk)	1,184,480	Name	-
Electricity arrears (Tk)	0		-
Payment methods	, Bank	Period	-
Self-billing	No	Funding agency	_
Billing frequency	Monthly	Executing agency	_
			0
6. Water Tariff and Metering (See Tari		Training	
Tariff Structure	Based on pipe size	Nos. of training	1
		Nos. of Staff	1
Domestic 13 mm (1/2") (Tk/month)	140	Name of training (1)	Water billing system
Non-domestic lowest (Tk/month)	250	Name of training (2)	-
Lowest volumetric charge (Tk/m³)	0	Name of training (3)	-
D. Non-Piped Water Supply Area			
P. NOUT INCU WALE SUDDIV ATEA		Material and the state of	Nama
		Main treatment method in domestic	None, , ,
1. Necessity of Piped Water Supply		As contaminated wells (Nos.)	0
Necessity of Piped Water Supply Necessity of			
1. Necessity of Piped Water Supply	Yes	Arsenic contaminated water supply (%)	0
Necessity of Piped Water Supply Necessity of	Yes Yes		0
Necessity of Piped Water Supply Necessity of Piped water	Yes To reduce water wastage & proper use of water in	Arsenic contaminated water supply (%)	
Necessity of Piped Water Supply Necessity of Piped water Water meter	Yes	Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	0
Necessity of Piped Water Supply Necessity of Piped water Water meter	Yes To reduce water wastage & proper use of water in	Arsenic contaminated water supply (%) Unhygienic drinking water (%)	0 40 The quality of STW is not sufficient., People do not get pure drinking in the
Necessity of Piped Water Supply Necessity of Piped water Water meter	Yes To reduce water wastage & proper use of water in	Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	0 40 The quality of STW is not sufficient., People do not get pure drinking in the flood affected area due to the platform
Necessity of Piped Water Supply Necessity of Piped water Water meter	Yes To reduce water wastage & proper use of water in	Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	0 40 The quality of STW is not sufficient., People do not get pure drinking in the
1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons	Yes To reduce water wastage & proper use of water in the uniform way.	Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area	0 40 The quality of STW is not sufficient., People do not get pure drinking in the flood affected area due to the platform of STW immersed by the flood water.
Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff)	Yes To reduce water wastage & proper use of water in the uniform way.	Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piper	0 40 The quality of STW is not sufficient., People do not get pure drinking in the flood affected area due to the platform of STW immersed by the flood water. Water Supply System
1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons	Yes To reduce water wastage & proper use of water in the uniform way.	Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area	0 40 The quality of STW is not sufficient., People do not get pure drinking in the flood affected area due to the platform of STW immersed by the flood water. Water Supply System Evaluation WQ problems
1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month)	Yes To reduce water wastage & proper use of water in the uniform way. 0 7,000	Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piper	0 40 The quality of STW is not sufficient., People do not get pure drinking in the flood affected area due to the platform of STW immersed by the flood water. Water Supply System
Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk)	Yes To reduce water wastage & proper use of water in the uniform way. 0 7,000	Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piper Potential water sources	0 40 The quality of STW is not sufficient., People do not get pure drinking in the flood affected area due to the platform of STW immersed by the flood water. Water Supply System Evaluation WQ problems
1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month Affordable price in total household income (%)	Yes To reduce water wastage & proper use of water in the uniform way. 0 7,000) 200 3	Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piper Potential water sources Shallow well Deep well	0 40 The quality of STW is not sufficient., People do not get pure drinking in the flood affected area due to the platform of STW immersed by the flood water. 3 Water Supply System Evaluation WQ problems Moderate High conc. of iron. Don't know
1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month Affordabile price in total household income (%) 2. Exiting Water Sources in Non-Piped	Yes To reduce water wastage & proper use of water in the uniform way. 0 7,000) 200 3 Water Supply Area	Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piper Potential water sources Shallow well Deep well Surface water sources	0 40 The quality of STW is not sufficient., People do not get pure drinking in the flood affected area due to the platform of STW immersed by the flood water. I Water Supply System Evaluation WQ problems Moderate High conc. of iron. Don't know High No problem, good.
1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Source	Yes To reduce water wastage & proper use of water in the uniform way. 0 7,000) 200 3 Water Supply Area Nos. of source Drinking (%) Domestic (%	Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piper Potential water sources Shallow well Deep well Surface water sources Other sources	0 40 The quality of STW is not sufficient., People do not get pure drinking in the flood affected area due to the platform of STW immersed by the flood water. 3 Water Supply System Evaluation WQ problems Moderate High conc. of iron. Don't know
1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Source River	Yes To reduce water wastage & proper use of water in the uniform way. 0 7,000) 200 3 Water Supply Area Nos. of source Drinking (%) Domestic (%) 1 0 20	Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piper Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level	0 40 The quality of STW is not sufficient., People do not get pure drinking in the flood affected area due to the platform of STW immersed by the flood water. BY Water Supply System Evaluation WQ problems Moderate High conc. of iron. Don't know High No problem, good. No 0
1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Source River Shallow well	Yes To reduce water wastage & proper use of water in the uniform way. 0 7,000) 200 3 Water Supply Area Nos. of source Drinking (%) Domestic (%) 1 0 20 500 100 60	Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piper Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year)	0 40 The quality of STW is not sufficient., People do not get pure drinking in the flood affected area due to the platform of STW immersed by the flood water. BY Water Supply System Evaluation WQ problems Moderate High conc. of iron. Don't know High No problem, good. No 0
Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Source River	Yes To reduce water wastage & proper use of water in the uniform way. 0 7,000) 200 3 Water Supply Area Nos. of source Drinking (%) Domestic (%) 1 0 20 500 100 60 0 0 0	Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piper Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year) Deep well (m/year)	0 40 The quality of STW is not sufficient., People do not get pure drinking in the flood affected area due to the platform of STW immersed by the flood water. BY Water Supply System Evaluation WQ problems Moderate High conc. of iron. Don't know High No problem, good. No 0
Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month Affordable price in total household income (%) Exiting Water Sources in Non-Piped Source River Shallow well	Yes To reduce water wastage & proper use of water in the uniform way. 0 7,000) 200 3 Water Supply Area Nos. of source Drinking (%) Domestic (%) 1 0 20 500 100 60	Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piper Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year) Deep well (m/year)	0 40 The quality of STW is not sufficient., People do not get pure drinking in the flood affected area due to the platform of STW immersed by the flood water. I Water Supply System Evaluation WQ problems Moderate High conc. of iron. Don't know High No problem, good. No 0

Tangail With Piped Water Supply System

A. Pourashava Profile			With Piped Water Supply System
A. POUTASTIAVA PROTILE			
Class	A	Sanitation coverage	
Division	Dhaka	Latrine with septic tank (%)	25
District	Tangail	Water sealed slab latrine (%)	40
Year established	1987	Water-related diseases	, Diarrhea, , , Dysentery,
		water-related diseases	, Diarrilea, , , Dyseritery,
Contact Tel/Fax	0921-63320,01731-383848		
E-mail	tangailpourashava@yahoo.com	Technical staff (Nos.)	14
Population (FY2010/2011)	345,855	Financial statements (2010/2011)	
Nos. of households (FY2010/2011)	25,468	Annual budget (Tk)	696,416,735
Literacy (%)	54	Revenue (Tk)	248,565,000
Land area (km²)	29	Expenditure (Tk)	246,090,000
Residential area (km²)	12	Computerization	Holding tax management, Accounting, Trade license, Salary payment, Rate schedule and
Residential area pop. density (persons/ha)	294		estimate preparation, Engineering, Yearly
Electricity coverage (%)	100		logical budget preparation, Procurement,
Electricity availability (hrs)		Committee formed	
Summer	16	TLCC /Frequency of meeting	Yes, 1 month
Winter	20	WATSAN/Frequency of meeting	Yes, 3 months
B. Key Performance Indicators (Ef		www.samay.com	100,0 111011010
•	10	Motoring ratio (%)	0
Water supply coverage (%)		Metering ratio (%)	
Per capita produced water (L/d/ca)	278	Operating ratio (%)	92
Supply Hour (Hrs)	6	Collection ratio in amount (%)	46
Non-revenue water (NRW) (%)	-	Collection period (days)	232
Pipe leakage ratio (point/km)	1.2	Staffs/ 1,000 connections (ratio)	7
Average revenue (Tk/m3 produced)	4.8	Electricity arrear to annual revenue (%)	78
Average O&M cost (Tk/m3 produced)	4.4		
		Pipe leakage ratio	
Supply hou	rs (hrs)	(point/km)	
10	` '	8	
Water supply 6	Per capita produced	Staffs/ 1,000	Average O&M
Water supply 6 coverage (%) 4	water (L/d/ca)	connections (ratio)	cost (Tk/m3 produced)
2		(ratio)	7 produced)
	<u> </u>		
	X	Electricity arrear	
Collection ratio in	Average revenue	to annual revenue	Collection period
amount (%)	(Tk/m3 produced)	(%)	(days)
Metering ra	ntio (%)	Operating ratio	
		(%)	
Overall performa	nce of Positive PIs	Overall performance	of Negative PIs
C. Water Supply Profile			
	y Section	Chlorination points (Nos.)	
1. General Information of Water Suppl			9
General Information of Water Supply Water section established (year)	1969	PTW	9
General Information of Water Supply Water section established (year) Piped system introduced (year)	1969 1969	PTW IRP/AIRP	9 3 -
General Information of Water Supply Water section established (year)	1969	PTW IRP/AIRP Surface WTP	3 -
General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility	1969 1969 O&M, , Part of construction	PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.)	3 - 9
General Information of Water Supply Water section established (year) Piped system introduced (year)	1969 1969	PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.)	3 - 9 9
General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation	1969 1969 O&M, , Part of construction , , Accounting, , , ,	PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day)	3 - 9
General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.)	1969 1969 O&M, , Part of construction	PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.)	3 - 9 9
1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher	1969 1969 O&M, , Part of construction , , Accounting, , , ,	PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day)	3 - 9 9
1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.)	1969 1969 O&M,, Part of construction ,, Accounting,,,,	PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank	3 - 9 9 9,600
1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System	1969 1969 O&M, , Part of construction , , Accounting, , , , 42	PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.)	3 - 9 9 9,600 0 3
1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities	1969 1969 O&M,, Part of construction ,, Accounting,,,,	PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³)	3 - 9 9 9,600 0 3 2,040
1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production	1969 1969 O&M, , Part of construction , , Accounting, , , , 42 1 In operation	PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km):	3 - 9 9 9,600 0 3 2,040 101,866
1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system	1969 1969 O&M, , Part of construction , , Accounting, , , , 42	PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.)	3 - 9 9 9,600 0 3 2,040
1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well	1969 1969 O&M, , Part of construction , , Accounting, , , , 42 1 In operation Groundwater,	PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems	3 - 9 9 9,600 0 3 2,040 101,866 120
1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.)	1969 1969 O&M, , Part of construction , , Accounting, , , , 42 1 In operation Groundwater,	PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.)	3 - 9 9 9,600 0 3 2,040 101,866
1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.)	1969 1969 O&M, , Part of construction , , Accounting, , , , 42 1 In operation Groundwater, 10 1	PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells	3 - 9 9 9,600 0 3 2,040 101,866 120
1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.)	1969 1969 O&M, , Part of construction , , Accounting, , , , 42 1 In operation Groundwater,	PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems	3 - 9 9 9,600 0 3 2,040 101,866 120
1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.)	1969 1969 O&M, , Part of construction , , Accounting, , , , 42 1 In operation Groundwater, 10 1	PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells	3 - 9 9 9,600 0 3 2,040 101,866 120
1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m)	1969 1969 O&M, , Part of construction , , Accounting, , , , 42 1 In operation Groundwater, 10 1 109	PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells	3 - 9 9 9,600 0 3 2,040 101,866 120
1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs)	1969 1969 O&M, , Part of construction , , Accounting, , , , 42 1 In operation Groundwater, 10 1 109 100	PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells	3 - 9 9 9,600 0 3 2,040 101,866 120
Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs) Ave. current capacity per unit (m³/hrs) Ave. production hours, Summer (hrs/day)	1969 1969 O&M, , Part of construction , , Accounting, , , , 42 1 In operation Groundwater, 10 1 109 100 82	PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells	3 - 9 9 9,600 0 3 2,040 101,866 120
1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs) Ave. current capacity per unit (m³/hrs) Ave. production hours, Summer (hrs/day) Total production, Summer (m³/day)	1969 1969 O&M, , Part of construction , , Accounting, , , , 42 1 In operation Groundwater, 10 1 109 100 82 13	PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells Pump Treatment plant	3 - 9 9 9,600 0 3 2,040 101,866 120 Production capacity become down
1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs) Ave. current capacity per unit (m³/hrs) Ave. production hours, Summer (hrs/day) Total production, Summer (m³/day) Teatment plants (Nos.)	1969 1969 O&M, , Part of construction , , Accounting, , , , 42 1 In operation Groundwater, 10 1 109 100 82 13 9,732	PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells Pump Treatment plant Pipeline	3 - 9 9 9,600 0 3 2,040 101,866 120 Production capacity become down
1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs) Ave. current capacity per unit (m³/hrs) Ave. production hours, Summer (hrs/day) Total production, Summer (m³/day) Teatment plants (Nos.) AIRP	1969 1969 O&M, , Part of construction , , Accounting, , , , 42 1 In operation Groundwater, 10 1 109 100 82 13 9,732	PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells Pump Treatment plant	3 - 9 9 9,600 0 3 2,040 101,866 120 Production capacity become down
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1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs) Ave. current capacity per unit (m³/hrs) Ave. production hours, Summer (hrs/day) Total production, Summer (m³/day) Teatment plants (Nos.) AIRP IRP Surface water treatment plants	1969 1969 0&M, , Part of construction , , Accounting, , , , 42 1 In operation Groundwater, 10 1 109 100 82 13 9,732 0 3 0	PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells Pump Treatment plant Pipeline	3 - 9 9 9,600 0 3 2,040 101,866 120 Production capacity become down
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1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs) Ave. current capacity per unit (m³/hrs) Ave. production hours, Summer (hrs/day) Total production, Summer (m³/day) Teatment plants (Nos.) AIRP IRP Surface water treatment plants Plants not in operation Production of plant	1969 1969 0&M, , Part of construction , , Accounting, , , , 42 1 In operation Groundwater, 10 1 109 100 82 13 9,732 0 3 0 0 0	PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells Pump Treatment plant Pipeline Customer water meter House connection O&M manuals (Nos.)	3 - 9 9 9,600 0 3 2,040 101,866 120 Production capacity become down
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1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs) Ave. current capacity per unit (m³/hrs) Ave. production hours, Summer (hrs/day) Total production, Summer (m³/day) Teatment plants (Nos.) AIRP IRP Surface water treatment plants Plants not in operation Production of plant	1969 1969 0&M, , Part of construction , , Accounting, , , , 42 1 In operation Groundwater, 10 1 109 100 82 13 9,732 0 3 0 0 0	PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells Pump Treatment plant Pipeline Customer water meter House connection O&M manuals (Nos.)	3 - 9 9 9,600 0 3 2,040 101,866 120 Production capacity become down

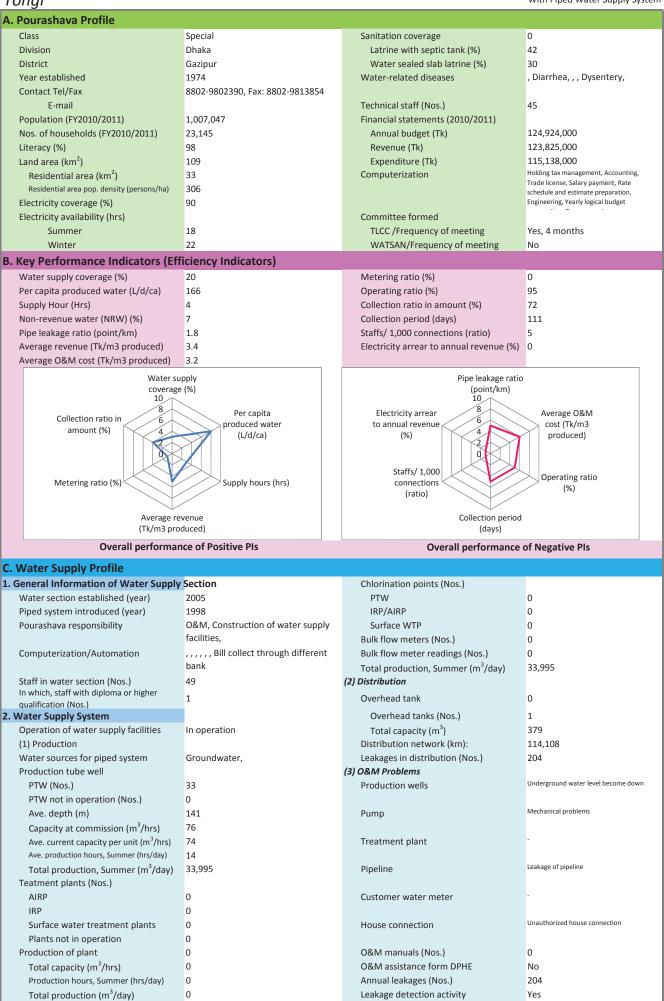
3. Needs of Rehabilitation and Expansio Rehabilitation		11 f (4 /2 \ /T \	1 600
Rehabilitation	n	House connection fee (1/2") (Tk)	1,600
		Tariff adopted year	2007 , Operation cost recovery (O&M costs), , People's
Production tube well	Yes	Tariff setting policy	affordability to pay, Ensuring water supply for socially
Treatment plant	No		vulnerable people,
Distribution network	No	7. Water Quality Monitoring	
Expansion		Water quality monitoring plan	No
Production tube well	Yes	Parameters checked	-
Treatment plant	Yes	Frequency of quality test	_
· ·			
Distribution network	Yes	Nos. of sampling location /year	Manganasa
4. Customer Service (Service indicators)		Water quality problems	Manganese.
Coverage area (km²)	7		
Population served (people)	34,585		
Service connections (Nos.)	6,056	8. Problems and Priority Needs	
Domestic	5,935	Major 3 problems	
Public tap/ stand pipe	18		Low treatment technology
Public institutions	2	(-)	
Commercial & industrial	101	(2)	
		(2)	Low coverage
Others	0		
Total	6,056	(3)	Less financial resources
Metered connections (Nos.)	2		
Applications outstanding (Nos.)	2,000	Major 3 priority needs	
New connections in 2010/2011 (Nos.)	120	(1)	24-hour supply
Average waiting time (days)	7	(2)	,
Water pressure at the end of network	, , , Almost Nil	(2)	Increase of production capacity
		(2)	case of production capacity
Continuity of service (hrs/day)	6		In the Heating Cl
Customer with 24 hrs supply (%)	0	(3)	Installation of house meters to
Annual complaints (Nos.)	150		all consumers
Major complaints		9. Past and On-going Projects and Traini	ng
(1)	To get small amount of water	(1) Past 10 years projects	
· ·		Name	-
(2)	waste water		_
(2)	waste water	Daviad	
4-1		Period	-
(3)	Leakage	Funding agency	-
		Executing agency	-
5. Financial Information (FY2010/11)		(2) Past 10 years projects	-
Annual budget (Tk)	16,805,000	Name	-
Annual revenue (Tk)	16,805,000		-
Annual expenditure (Tk)	15,450,000	Period	-
Annual O&M Costs (Tk)	15,450,000		_
		Funding agency	
Annual billings (Tk)	19,757,744	Executing agency	-
Annual collections (Tk)	9,076,705	On-going projects	-
Water arrears (Tk)	10,681,039	Name	-
Electricity arrears (Tk)	13,174,742		-
Payment methods	, Bank	Period	-
Self-billing	Yes	Funding agency	-
Billing frequency	Monthly	Executing agency	-
6. Water Tariff and Metering (See Tariff	•	Training	0
		· · · · · · · · · · · · · · · · · · ·	0
Tariff Structure	Based on pipe size	Nos. of training	
		Nos. of Staff	0
Domestic 13 mm (1/2") (Tk/month)	100	Name of training (1)	-
Non-domestic lowest (Tk/month)	200	Name of training (2)	-
Lowest volumetric charge (Tk/m³)	0	Name of training (3)	-
D. Non-Piped Water Supply Area			
		Main troatment method in descrit	Roiling Eiltration
1. Necessity of Piped Water Supply		Main treatment method in domestic	, Boiling, , Filtration
Necessity of		As contaminated wells (Nos.)	1,500
Piped water	Yes	Arsenic contaminated water supply (%)	10
Water meter	Yes	Unhygienic drinking water (%)	5
Reasons	Save water and know the non revenue of water.	% of people using neighbor's well for drinking	10
		Problems in non-piped water supply area	Arsenic, Iron, Manganese, Water
			table declining
Affordability (answered by pourashava staff)	0	3. Potential Water Sources for Non-Pipe	
Affordability (answered by pourashava staff) Average household income/month (Tk)	0	3. Potential Water Sources for Non-Pipe Potential water sources	d Water Supply System Evaluation WQ problems
-	10,000		
Average household income/month (Tk)	10,000	Potential water sources	Evaluation WQ problems None Iron, Mn, Arsenic
Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%)	10,000 200 2	Potential water sources Shallow well Deep well	Evaluation WQ problems None Iron, Mn, Arsenic High None
Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped W	10,000 200 2 /ater Supply Area	Potential water sources Shallow well Deep well Surface water sources	Evaluation WQ problems None Iron, Mn, Arsenic High None None Turbidity
Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped W Source	10,000 200 2 /ater Supply Area Nos. of source	Potential water sources Shallow well Deep well Surface water sources Other sources	Evaluation WQ problems None Iron, Mn, Arsenic High None
Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped W Source River	10,000 200 2 /ater Supply Area Nos. of source Drinking (%) Domestic (%) 0 0 0	Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level	Evaluation WQ problems None Iron, Mn, Arsenic High None None Turbidity No 0
Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped W Source River Shallow well	10,000 200 2 Vater Supply Area Nos. of source Drinking (%) Domestic (%) 0 0 0 19,350 95 75	Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year)	Evaluation WQ problems None Iron, Mn, Arsenic High None None Turbidity No 0
Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped W Source River	10,000 200 2 /ater Supply Area Nos. of source Drinking (%) Domestic (%) 0 0 0	Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year)	Evaluation WQ problems None Iron, Mn, Arsenic High None None Turbidity No 0
Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped W Source River Shallow well	10,000 200 2 Vater Supply Area Nos. of source Drinking (%) Domestic (%) 0 0 0 19,350 95 75	Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year) Deep well (m/year)	Evaluation WQ problems None Iron, Mn, Arsenic High None None Turbidity No 0

Thakurgaon With Piped Water Supply System

Thakurgaon			With Piped Water Supply System
A. Pourashava Profile			
	•	Constanting	
Class	A	Sanitation coverage	
Division	Rangpur	Latrine with septic tank (%)	73
District	Thakurgaon	Water sealed slab latrine (%)	15
Year established	1958	Water-related diseases	,,,,,
Contact Tel/Fax	Tel: 0561-52502, Mob: 01717-290610		
E-mail		Technical staff (Nos.)	7
Population (FY2010/2011)	120,000	Financial statements (2010/2011)	ĺ
			112 700 005
Nos. of households (FY2010/2011)	18,545	Annual budget (Tk)	113,706,665
Literacy (%)	80	Revenue (Tk)	28,960,250
Land area (km²)	31	Expenditure (Tk)	25,881,238
Residential area (km²)	15	Computerization	Holding tax management, Accounting, Trade
Residential area pop. density (persons/ha)	80		license, Salary payment, Rate schedule and
Electricity coverage (%)	70		estimate preparation, Engineering, Yearly logical budget preparation, Procurement,
	70	Committee forms of	to the control of the
Electricity availability (hrs)		Committee formed	
Summer	18	TLCC /Frequency of meeting	Yes, 3 months
Winter	22	WATSAN/Frequency of meeting	Yes, 4 months
B. Key Performance Indicators (Eff	ficiency Indicators)		
		Matarina ratio (0/)	0
Water supply coverage (%)	15	Metering ratio (%)	
Per capita produced water (L/d/ca)	294	Operating ratio (%)	95
Supply Hour (Hrs)	16	Collection ratio in amount (%)	82
Non-revenue water (NRW) (%)	10	Collection period (days)	127
Pipe leakage ratio (point/km)	0.3	Staffs/ 1,000 connections (ratio)	5
Average revenue (Tk/m3 produced)	1.9	Electricity arrear to annual revenue (%)	0
		Electricity directive to diffidult revenue (70)	
Average O&M cost (Tk/m3 produced)	1.8		1
Water su	pply	Pipe leakage ratio	
coverage	2 (%)	(point/km)	
10		10	
Collection ratio in 6	Per capita	Electricity arrear	Average O&M
Collection ratio in 6 amount (%)	produced water	to annual revenue	cost (Tk/m3
umount (70)	(L/d/ca)	(%)	produced)
	<u> </u>		
		Staffs/ 1,000	Operating ratio
Metering ratio (%)	Supply hours (hrs)	connections	(%)
		(ratio)	(70)
			(70)
Average re		Collection period	(70)
Average re (Tk/m3 pro			(76)
	duced)	Collection period	
(Tk/m3 pro Overall performar	duced)	Collection period (days)	
(Tk/m3 pro	duced)	Collection period (days)	
(Tk/m3 pro Overall performar	duced) nce of Positive PIs	Collection period (days)	
(Tk/m3 pro Overall performar C. Water Supply Profile 1. General Information of Water Supply	nce of Positive PIs Section	Collection period (days) Overall performance Chlorination points (Nos.)	
Overall performar C. Water Supply Profile 1. General Information of Water Supply Water section established (year)	nce of Positive PIs Section 1995	Collection period (days) Overall performance Chlorination points (Nos.) PTW	of Negative PIs
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year)	ce of Positive PIs Section 1995 1993	Collection period (days) Overall performance Chlorination points (Nos.) PTW IRP/AIRP	of Negative PIs 0 0
Overall performar C. Water Supply Profile 1. General Information of Water Supply Water section established (year)	nce of Positive PIs Section 1995	Collection period (days) Overall performance Chlorination points (Nos.) PTW IRP/AIRP Surface WTP	of Negative PIs 0 0 0
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility	Section 1995 1993 O&M, , Part of construction	Collection period (days) Overall performance Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.)	of Negative PIs 0 0 0 4
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year)	ce of Positive PIs Section 1995 1993	Collection period (days) Overall performance Chlorination points (Nos.) PTW IRP/AIRP Surface WTP	of Negative PIs 0 0 0
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility	Section 1995 1993 O&M, , Part of construction	Collection period (days) Overall performance Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.)	of Negative PIs 0 0 0 4
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility	Section 1995 1993 O&M, , Part of construction	Collection period (days) Overall performance Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.)	of Negative PIs 0 0 0 4 4
Overall performar C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation	Section 1995 1993 O&M, , Part of construction , Billing, Accounting, , , ,	Collection period (days) Overall performance Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution	0 0 0 0 4 4 5,300
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.)	Section 1995 1993 O&M, , Part of construction , Billing, Accounting, , , ,	Collection period (days) Overall performance Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day)	of Negative PIs 0 0 0 4 4
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher	Section 1995 1993 O&M, , Part of construction , Billing, Accounting, , , ,	Collection period (days) Overall performance Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution	0 0 0 0 4 4 5,300
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.)	Section 1995 1993 O&M, , Part of construction , Billing, Accounting, , , ,	Collection period (days) Overall performance Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank	0 0 0 0 4 4 5,300
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities	duced) nce of Positive PIs Section 1995 1993 O&M, , Part of construction , Billing, Accounting, , , , 17 2	Collection period (days) Overall performance Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³)	0 0 0 0 4 4 5,300
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production	duced) nce of Positive PIs Section 1995 1993 O&M, , Part of construction , Billing, Accounting, , , , 17 2 In operation	Collection period (days) Overall performance Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km):	0 0 0 0 4 4 5,300 0 0 0 72,000
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system	duced) nce of Positive PIs Section 1995 1993 O&M, , Part of construction , Billing, Accounting, , , , 17 2	Collection period (days) Overall performance Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.)	0 0 0 0 4 4 5,300
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well	duced) nce of Positive PIs Section 1995 1993 O&M, , Part of construction , Billing, Accounting, , , , 17 2 In operation Groundwater,	Collection period (days) Overall performance Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems	0 0 0 0 4 4 5,300 0 0 0 72,000
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system	duced) nce of Positive PIs Section 1995 1993 O&M, , Part of construction , Billing, Accounting, , , , 17 2 In operation	Collection period (days) Overall performance Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.)	Of Negative PIs O O O O O O O O O O O O O O O O O O O
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well	duced) nce of Positive PIs Section 1995 1993 O&M, , Part of construction , Billing, Accounting, , , , 17 2 In operation Groundwater,	Collection period (days) Overall performance Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems	0 0 0 0 4 4 5,300 0 0 0 72,000
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.)	duced) nce of Positive PIs Section 1995 1993 O&M, , Part of construction , Billing, Accounting, , , , 17 2 In operation Groundwater,	Collection period (days) Overall performance Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems	Of Negative PIs O O O O O O O O O O O O O O O O O O O
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m)	duced) nce of Positive PIs Section 1995 1993 O&M, , Part of construction , Billing, Accounting, , , , 17 2 In operation Groundwater, 6 2 116	Collection period (days) Overall performance Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells	Of Negative PIs O O O O O O O O O O O O O O O O O O O
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs)	duced) nce of Positive PIs Section 1995 1993 O&M, , Part of construction , Billing, Accounting, , , , 17 2 In operation Groundwater, 6 2 116 145	Collection period (days) Overall performance Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells Pump	Of Negative PIs O O O O O O O O O O O O O O O O O O O
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs) Ave. current capacity per unit (m³/hrs)	duced) nce of Positive PIs Section 1995 1993 0&M, , Part of construction , Billing, Accounting, , , , 17 2 In operation Groundwater, 6 2 116 145 131	Collection period (days) Overall performance Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells	Of Negative PIs O O O O O O O O O O O O O O O O O O O
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs) Ave. current capacity per unit (m³/hrs) Ave. production hours, Summer (hrs/day)	Ince of Positive PIs Section 1995 1993 O&M, , Part of construction , Billing, Accounting, , , , 17 2 In operation Groundwater, 6 2 116 145 131	Collection period (days) Overall performance Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells Pump Treatment plant	of Negative PIs 0 0 0 4 4 5,300 0 0 72,000 20 Production well has been very old and flow meter not functioning 2 nos. motor burnt
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs) Ave. current capacity per unit (m³/hrs)	duced) nce of Positive PIs Section 1995 1993 0&M, , Part of construction , Billing, Accounting, , , , 17 2 In operation Groundwater, 6 2 116 145 131	Collection period (days) Overall performance Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells Pump	Of Negative PIs O O O O O O O O O O O O O O O O O O O
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs) Ave. current capacity per unit (m³/hrs) Ave. production hours, Summer (hrs/day)	Ince of Positive PIs Section 1995 1993 O&M, , Part of construction , Billing, Accounting, , , , 17 2 In operation Groundwater, 6 2 116 145 131	Collection period (days) Overall performance Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells Pump Treatment plant	of Negative PIs 0 0 0 4 4 5,300 0 0 72,000 20 Production well has been very old and flow meter not functioning 2 nos. motor burnt
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C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs) Ave. current capacity per unit (m³/hrs) Ave. production hours, Summer (hrs/day) Total production, Summer (m³/day) Teatment plants (Nos.) AIRP	In operation Groundwater, 6 2 116 145 131 12 5,300 0	Collection period (days) Overall performance Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells Pump Treatment plant	Of Negative PIs O O O O O O O O O O O O O O O O O O O
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs) Ave. current capacity per unit (m³/hrs) Ave. production hours, Summer (hrs/day) Total production, Summer (m³/day) Teatment plants (Nos.) AIRP IRP	In operation Groundwater, 6 2 116 145 131 12 5,300 0 0 0	Collection period (days) Overall performance Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells Pump Treatment plant Pipeline Customer water meter	Of Negative PIs O O O O O O O O O O O O O O O O O O O
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs) Ave. current capacity per unit (m³/hrs) Ave. production hours, Summer (hrs/day) Total production, Summer (m³/day) Teatment plants (Nos.) AIRP	In operation Groundwater, 6 2 116 145 131 12 5,300 0 0 0 0	Collection period (days) Overall performance Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells Pump Treatment plant Pipeline	Of Negative PIs O O O O O O O O O O O O O O O O O O O
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs) Ave. current capacity per unit (m³/hrs) Ave. production hours, Summer (hrs/day) Total production, Summer (m³/day) Teatment plants (Nos.) AIRP IRP	In operation Groundwater, 6 2 116 145 131 12 5,300 0 0 0	Collection period (days) Overall performance Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells Pump Treatment plant Pipeline Customer water meter	Of Negative PIs O O O O O O O O O O O O O O O O O O O
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs) Ave. current capacity per unit (m³/hrs) Ave. production hours, Summer (hrs/day) Total production, Summer (m³/day) Teatment plants (Nos.) AIRP IRP Surface water treatment plants	In operation Groundwater, 6 2 116 145 131 12 5,300 0 0 0 0	Collection period (days) Overall performance Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells Pump Treatment plant Pipeline Customer water meter	Of Negative PIs O O O O O O O O O O O O O O O O O O O
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs) Ave. current capacity per unit (m³/hrs) Ave. production hours, Summer (hrs/day) Total production, Summer (m³/day) Teatment plants (Nos.) AIRP IRP Surface water treatment plants Plants not in operation Production of plant	In operation Groundwater, 6 2 116 145 131 12 5,300 0 0 0 0 0	Collection period (days) Overall performance Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells Pump Treatment plant Pipeline Customer water meter House connection	Of Negative PIs O O O O O O O O O O O O O O O O O O O
C. Water Supply Profile 1. General Information of Water Supply Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs) Ave. current capacity per unit (m³/hrs) Ave. production hours, Summer (hrs/day) Total production, Summer (m³/day) Teatment plants (Nos.) AIRP IRP Surface water treatment plants Plants not in operation Production of plant Total capacity (m³/hrs)	In operation Groundwater, 6 2 116 145 131 12 5,300 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Collection period (days) Overall performance Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells Pump Treatment plant Pipeline Customer water meter House connection O&M manuals (Nos.) O&M assistance form DPHE	Of Negative PIs O O O O O O O O O O O O O O O O O O O
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3. Needs of Rehabilitation and Expar	sion	House connection fee (1/2") (Tk)	500
Rehabilitation		Tariff adopted year	2011
Production tube well	Yes	Tariff setting policy	Full cost recovery, , , People's
Treatment plant	No		affordability to pay, ,
Distribution network	Yes	7. Water Quality Monitoring	
	163		No
Expansion		Water quality monitoring plan	No
Production tube well	Yes	Parameters checked	-
Treatment plant	No	Frequency of quality test	-
Distribution network	Yes	Nos. of sampling location /year	-
4. Customer Service (Service indicate	rs)	Water quality problems	-
	8	water quanty problems	
Coverage area (km²)			
Population served (people)	18,000		
Service connections (Nos.)	3,234	8. Problems and Priority Needs	
Domestic	3,104	Major 3 problems	
Public tap/ stand pipe	0	(1)	Leakage
Public institutions	31	(2)	
		(2)	
Commercial & industrial	99	(2)	Low coverage
Others	0		
Total	3,234	(3)	Insufficient technical &
Metered connections (Nos.)	0		management capacity
Applications outstanding (Nos.)	0	Major 3 priority needs	
			Evnancian and ranks are at -f
New connections in 2010/2011 (Nos.		(1)	Expansion and replacement of
Average waiting time (days)	0		network
Water pressure at the end of network	, Fair, ,	(2)	Increase of production capacity
Continuity of service (hrs/day)	16		
Customer with 24 hrs supply (%)	0	(3)	Increase of tariff rates to cover
		(3)	O&M costs
Annual complaints (Nos.)	150	0.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	
Major complaints		9. Past and On-going Projects and Traini	ng
	(1) Leakage of pipe line	(1) Past 10 years projects	
		Name	-
	(2) Line blocked by waste		_
	(2) Line brooked by Waste	Period	
			-
	(3) Insufficient water due to fluctuation	Funding agency	-
	of electricity	Executing agency	-
5. Financial Information (FY2010/11)		(2) Past 10 years projects	-
Annual budget (Tk)	3,586,000	Name	_
Annual revenue (Tk)	3,735,526		
` '		0 : 1	
Annual expenditure (Tk)	3,537,000	Period	-
Annual O&M Costs (Tk)	3,537,000	Funding agency	-
Annual billings (Tk)	4,205,683	Executing agency	-
Annual collections (Tk)	3,452,624	On-going projects	-
Water arrears (Tk)	1,300,000	Name	_
` '	0	Hame	UGIID 2 Urban Gauernance Infrastructure Improvement Broject
Electricity arrears (Tk)			2000 2014 A
Payment methods	, Bank	Period	2009-2014
Self-billing	Yes	Funding agency	ADB-GOB
Billing frequency	Monthly	Executing agency	LGED-Pourashava
6. Water Tariff and Metering (See Ta	•	Training	-
Tariff Structure	Based on pipe size	Nos. of training	1
Tariii Structure	pased on hihe size	- C	
		Nos. of Staff	2
Domestic 13 mm (1/2") (Tk/month)	120	Name of training (1)	Computer billing
		0.,	
Non-domestic lowest (Tk/month)	250	Name of training (2)	-
			-
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m ³)	250 0	Name of training (2)	-
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Are	250 0	Name of training (2) Name of training (3)	
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Are 1. Necessity of Piped Water Supply	250 0	Name of training (2) Name of training (3) Main treatment method in domestic	- - None, , ,
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Are	250 0	Name of training (2) Name of training (3)	
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Are 1. Necessity of Piped Water Supply	250 0	Name of training (2) Name of training (3) Main treatment method in domestic	- - None, , ,
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Are 1. Necessity of Piped Water Supply Necessity of	250 0	Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%)	None, , ,
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Are 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	250 0 a Yes	Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%)	None, , , No data No data
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Are 1. Necessity of Piped Water Supply Necessity of Piped water	250 0 2a Yes No	Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	None, , , No data No data 10 No data
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Are 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	250 0 2a Yes No	Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%)	None, , , No data No data 10 No data In dry season, water level decline 2/3
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Are 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	250 0 2a Yes No	Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	None, , , No data No data 10 No data
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Are 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	250 0 2a Yes No	Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	None, , , No data No data 10 No data In dry season, water level decline 2/3
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Are 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	250 0 2a Yes No	Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	None, , , No data No data 10 No data In dry season, water level decline 2/3
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Are 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons	250 0 Yes No This will require additional O&M cost	Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area	None, , , No data No data 10 No data In dry season, water level decline 2/3 meter,
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Are 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava sta	250 0 Yes No This will require additional O&M cost	Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area	None, , , No data No data 10 No data In dry season, water level decline 2/3 meter,
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Are 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava state) Average household income/month (T	250 0 Yes No This will require additional O&M cost ff) 0 7,000	Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources	None, , , No data No data 10 No data In dry season, water level decline 2/3 meter, d Water Supply System Evaluation WQ problems
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Are 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava state Average household income/month (T	250 0 Yes No This will require additional O&M cost ff) 0 7,000 th) 200	Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area	None, , , No data No data 10 No data In dry season, water level decline 2/3 meter, d Water Supply System
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Are 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava sta	250 0 Yes No This will require additional O&M cost ff) 0 7,000	Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources	None, , , No data No data 10 No data In dry season, water level decline 2/3 meter, d Water Supply System Evaluation WQ problems
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Are 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava state Average household income/month (Taffordability for piped water (Tk/monaffordability for piped water (Tk/monaffordability for piped water (%)	250 0 Yes No This will require additional O&M cost	Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well	None, , , No data No data 10 No data In dry season, water level decline 2/3 meter, d Water Supply System Evaluation WQ problems High No problem
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Are 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava state Average household income/month (The Affordability for piped water (Tk/mone Affordability for piped water (Tk/mone Affordability for piped water (Tk/mone Affordability for piped water (Tk/mone) 2. Exitting Water Sources in Non-Pipe	250 0 Yes No This will require additional O&M cost (f) 0 7,000 th) 200 3 d Water Supply Area	Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources	None, , , No data No data 10 No data In dry season, water level decline 2/3 meter, d Water Supply System Evaluation WQ problems High No problem High No problem
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Are 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava state Average household income/month (T Affordability for piped water (Tk/mone/month) Source	250 0 Yes No This will require additional O&M cost ff) 0 5) 7,000 th) 200 3 th Water Supply Area Nos. of source Drinking (%) Domestic (%	Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources	None, , , No data No data 10 No data In dry season, water level decline 2/3 meter, d Water Supply System Evaluation WQ problems High No problem
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Are 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava state Average household income/month (Taffordability for piped water (Tk/monaffordabile price in total household income (%) 2. Exiting Water Sources in Non-Pipe Source River	250 0 28 Yes No This will require additional O&M cost ff) 0 (s) 7,000 (th) 200 (3) 24 Water Supply Area Nos. of source Drinking (%) Domestic (%) 0 0 0	Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level	None, , , No data No data 10 No data In dry season, water level decline 2/3 meter, d Water Supply System Evaluation WQ problems High No problem High No problem No -
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Are 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava state Average household income/month (T Affordability for piped water (Tk/mone/month) Source	250 0 Yes No This will require additional O&M cost ff) 0 5) 7,000 th) 200 3 th Water Supply Area Nos. of source Drinking (%) Domestic (%	Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level	None, , , No data No data 10 No data In dry season, water level decline 2/3 meter, d Water Supply System Evaluation WQ problems High No problem High No problem
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Are 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava state Average household income/month (The Affordability for piped water (Tk/mone Affordability for piped water (Tk/mone)	250 0 A Yes No This will require additional O&M cost ff) 0 (s) 7,000 (th) 200 (3) 4 Water Supply Area Nos. of source Drinking (%) Domestic (%) 0 0 0	Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year)	None, , , No data No data 10 No data In dry season, water level decline 2/3 meter, d Water Supply System Evaluation WQ problems High No problem High No problem No -
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Are 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava state Average household income/month (The Affordability for piped water (Tk/mone) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Pipe Source River Shallow well	250 0 A Yes No This will require additional O&M cost Fff) 0 A) 7,000 th) 200 3 I Water Supply Area Nos. of source Drinking (%) Domestic (%) 0 0 0 15,777 84 84 4 16 16	Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year)	None, , , No data No data 10 No data In dry season, water level decline 2/3 meter, d Water Supply System Evaluation WQ problems High No problem High No problem No -
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Are 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava state Average household income/month (Transport of the companies) Affordability for piped water (Tk/mone) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Pipe Source River Shallow well Deep well	250 0 Yes No This will require additional O&M cost ff) 0 (s) 7,000 th) 200 3 d Water Supply Area Nos. of source Drinking (%) Domestic (% 15,777 84 84 4 16 16 0 0 0	Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year) Deep well (m/year)	None, , , No data No data 10 No data In dry season, water level decline 2/3 meter, d Water Supply System Evaluation WQ problems High No problem High No problem No -

Tongi With Piped Water Supply System



3. Needs of Rehabilitation and Expansio	n	House connection fee (1/2") (Tk)	200
Rehabilitation		Tariff adopted year	2009
Production tube well	Yes	Tariff setting policy	Full cost recovery, , , , ,
Treatment plant	No	· ,	
Distribution network	Yes	7. Water Quality Monitoring	
	res		
Expansion		Water quality monitoring plan	No
Production tube well	Yes	Parameters checked	-
Treatment plant	No	Frequency of quality test	-
Distribution network	Yes	Nos. of sampling location /year	_
	163		_
4. Customer Service (Service indicators)		Water quality problems	
Coverage area (km²)	20		
Population served (people)	205,310		
Service connections (Nos.)	9,443	8. Problems and Priority Needs	
Domestic	9,423	Major 3 problems	
			Panid underground water table
Public tap/ stand pipe	0	(1)	Rapid underground water table
Public institutions	0		declining
Commercial & industrial	20	(2)	Insufficient technical and
Others	0		managerial capacity
Total	9,443	(2)	Less financial resources
		(3)	Less illiancial resources
Metered connections (Nos.)	0		
Applications outstanding (Nos.)	0	Major 3 priority needs	
New connections in 2010/2011 (Nos.)	0	(1)	Production well and pump
Average waiting time (days)	0	(-)	P. F.
		(0)	Increase of water pressure
Water pressure at the end of network	, Fair, ,	(2)	Increase of water pressure
Continuity of service (hrs/day)	4		
Customer with 24 hrs supply (%)	5	(3)	Capacity building for staff and
Annual complaints (Nos.)	1,095	(-,	management
	1,033	O Post and On sains Projects and Traini	-
Major complaints		9. Past and On-going Projects and Traini	ig.
(1)	Insufficient water supply	(1) Past 10 years projects	
		Name	-
(2)	Pipeline leakage		-
` '	,	Period	_
(2)	Domes discorder		
(3)	Pump disorder	Funding agency	-
		Executing agency	-
5. Financial Information (FY2010/11)		(2) Past 10 years projects	-
Annual budget (Tk)	36,050,250	Name	DPHE
		Name	DITTE
Annual revenue (Tk)	41,787,622		-
Annual expenditure (Tk)	39,703,318	Period	DPHE
Annual O&M Costs (Tk)	39,703,318	Funding agency	2008-2009
Annual billings (Tk)	45,903,000	Executing agency	World Bank
_ ` ` ` `			
Annual collections (Tk)	33,167,000	On-going projects	DPHE
Water arrears (Tk)	12,736,000	Name	-
Electricity arrears (Tk)	0		BMDF
Payment methods	, Bank	Period	2011-2012
Self-billing	No	Funding agency	World Bank
· ·			
Billing frequency	Yearly	Executing agency	Tongi pourashava
6. Water Tariff and Metering (See Tariff	Database)	Training	-
Tariff Structure	Based on pipe size	Nos. of training	1
		Nos. of Staff	2
Domostic 12 mm (1/2") (Tl./month)	200		
Domestic 13 mm (1/2") (Tk/month)	200	Name of training (1)	Water billing software
Non-domestic lowest (Tk/month)	400	Name of training (2)	-
Lowest volumetric charge (Tk/m³)	0	Name of training (3)	-
D. Non-Piped Water Supply Area			
		Main brooks and mostly and a state of the st	Dailing
1. Necessity of Piped Water Supply		Main treatment method in domestic	, Boiling, ,
Necessity of		As contaminated wells (Nos.)	0
Piped water	Yes	Arsenic contaminated water supply (%)	0
		Unhygienic drinking water (%)	5
Water meter	Yes		
Water meter Reasons	Yes 1) Improvement of financial management to reduction NRW	% of people using neighbor's well for drinking	15
	1) Improvement of financial management to		Polluted water, Water is not reachable
	Improvement of financial management to reduction NRW	% of people using neighbor's well for drinking	
	Improvement of financial management to reduction NRW	% of people using neighbor's well for drinking	Polluted water, Water is not reachable
	Improvement of financial management to reduction NRW	% of people using neighbor's well for drinking	Polluted water, Water is not reachable
Reasons	Improvement of financial management to reduction NRW Improvement of billing & collection practice	% of people using neighbor's well for drinking Problems in non-piped water supply area	Polluted water, Water is not reachable to hand
Reasons Affordability (answered by pourashava staff)	Inprovement of financial management to reduction NRW Improvement of billing & collection practice	% of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe	Polluted water, Water is not reachable to hand d Water Supply System
Reasons	Improvement of financial management to reduction NRW Improvement of billing & collection practice	% of people using neighbor's well for drinking Problems in non-piped water supply area	Polluted water, Water is not reachable to hand
Reasons Affordability (answered by pourashava staff)	Inprovement of financial management to reduction NRW Improvement of billing & collection practice	% of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe	Polluted water, Water is not reachable to hand d Water Supply System
Reasons Affordability (answered by pourashava staff) Average household income/month (Tk)	Inprovement of financial management to reduction NRW Improvement of billing & collection practice O 50,000 1,000	% of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well	Polluted water, Water is not reachable to hand d Water Supply System Evaluation WQ problems Do not knd Do not know
Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%)	Inprovement of financial management to reduction NRW Improvement of billing & collection practice O 50,000 1,000 2	% of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well	d Water Supply System Evaluation WQ problems Do not know Moderate Not found
Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exitting Water Sources in Non-Piped W	1) Improvement of financial management to reduction NRW 2) Improvement of billing & collection practice 0 50,000 1,000 2 /ater Supply Area	% of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources	d Water Supply System Evaluation WQ problems Do not knd Do not know Moderate Not found None Dying chemical
Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%)	Inprovement of financial management to reduction NRW Improvement of billing & collection practice O 50,000 1,000 2	% of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well	d Water Supply System Evaluation WQ problems Do not know Moderate Not found
Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exitting Water Sources in Non-Piped W	1) Improvement of financial management to reduction NRW 2) Improvement of billing & collection practice 0 50,000 1,000 2 /ater Supply Area	% of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources	d Water Supply System Evaluation WQ problems Do not knd Do not know Moderate Not found None Dying chemical
Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped W	1) Improvement of financial management to reduction NRW 2) Improvement of billing & collection practice 0 50,000 1,000 2 ater Supply Area Nos. of source Drinking (%) Domestic (%)	% of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level	d Water Supply System Evaluation WQ problems Do not knd Do not know Moderate Not found None Dying chemical
Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped W Source River Shallow well	1) Improvement of financial management to reduction NRW 2) Improvement of billing & collection practice 0 50,000 1,000 2 ater Supply Area Nos. of source Drinking (%) Domestic (%) 0 0 0 No data 44 44	% of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year)	Polluted water, Water is not reachable to hand d Water Supply System Evaluation WQ problems Do not knc Do not know Moderate Not found None Dying chemical Yes -
Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped W Source River Shallow well Deep well	1) Improvement of financial management to reduction NRW 2) Improvement of billing & collection practice 0 50,000 1,000 2 ater Supply Area Nos. of source Drinking (%) Domestic (%) 0 0 0 No data 44 44 No data 27 27	% of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year) Deep well (m/year)	d Water Supply System Evaluation WQ problems Do not knc Do not know Moderate Not found None Dying chemical Yes -
Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped W Source River Shallow well	1) Improvement of financial management to reduction NRW 2) Improvement of billing & collection practice 0 50,000 1,000 2 ater Supply Area Nos. of source Drinking (%) Domestic (%) 0 0 0 No data 44 44	% of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year) Deep well (m/year)	Polluted water, Water is not reachable to hand d Water Supply System Evaluation WQ problems Do not knc Do not know Moderate Not found None Dying chemical Yes -

Tongipara With Piped Water Supply System

Tongipara			With Piped Water Supply System
A. Pourashava Profile			
Class	В	Sanitation coverage	0
Division	Dhaka	Latrine with septic tank (%)	20
District	Gopalgonj	Water sealed slab latrine (%)	79
Year established	1997	Water-related diseases	, Diarrhea, , , Dysentery,
Contact Tel/Fax	0668-56302 ; 01711372670		
E-mail	engryousuf bd @ gmail. Com	Technical staff (Nos.)	2
Population (FY2010/2011)	8,166	Financial statements (2010/2011)	
Nos. of households (FY2010/2011)	1,974	Annual budget (Tk)	490,724,000
Literacy (%)	50	Revenue (Tk)	10,724,000
Land area (km²)	3	Expenditure (Tk)	9,387,000
Residential area (km²)	1	Computerization	Holding tax management, Accounting, ,
Residential area pop. density (persons/ha)	127		, Rate schedule and estimate
Electricity coverage (%)	85		preparation, Engineering, , ,
Electricity availability (hrs)		Committee formed	
Summer	16	TLCC /Frequency of meeting	No
Winter	16	WATSAN/Frequency of meeting	No
B. Key Performance Indicators (E	ficiency Indicators)		
Water supply coverage (%)	65	Metering ratio (%)	0
Per capita produced water (L/d/ca)	408	Operating ratio (%)	98
Supply Hour (Hrs)	8	Collection ratio in amount (%)	72
Non-revenue water (NRW) (%)	-	Collection period (days)	194
Pipe leakage ratio (point/km)	1.7	Staffs/ 1,000 connections (ratio)	10
Average revenue (Tk/m3 produced)	2.9	Electricity arrear to annual revenue (%)	49
Average O&M cost (Tk/m3 produced)	2.8	(76)	
, , , , , , , , , , , , , , , , , , , ,			
Wate	supply	Pipe leakage ratio	
cover	age (%)	(point/km)	
10		10	
Collection ratio in	Per capita	Electricity arrear 8	Average O&M cost
amount (%)	produced water	to annual revenue	(Tk/m3 produced)
2	(L/d/ca)	(%)	
Motoring ratio (0/)	Supply hours (hrs)	Staffs/ 1,000	Operating ratio (%)
INTERESTINATION (A)			
Metering ratio (%)	Supply library (lilis)	connections (ratio)	Operating ratio (76)
ivietering ratio (%)	Supply industrials,	connections (ratio)	Operating ratio (70)
Average	revenue	Collection period	Operating ratio (78)
Averago (Tk/m3	revenue produced)	Collection period (days)	
Averago (Tk/m3	revenue	Collection period	
Averago (Tk/m3	revenue produced)	Collection period (days)	
Average (Tk/m3 Overall perform	revenue produced) ance of Positive PIs	Collection period (days)	
Average (Tk/m3 Overall performs C. Water Supply Profile	revenue produced) ance of Positive PIs	Collection period (days) Overall performance	
Average (Tk/m3) Overall performs C. Water Supply Profile 1. General Information of Water Suppl	revenue produced) Ince of Positive PIs	Collection period (days) Overall performance Chlorination points (Nos.)	
Average (Tk/m3) Overall performs C. Water Supply Profile 1. General Information of Water Suppl Water section established (year)	revenue produced) Ince of Positive PIs / Section 2003	Collection period (days) Overall performance Chlorination points (Nos.) PTW	
Average (Tk/m3) Overall performs C. Water Supply Profile 1. General Information of Water Suppl Water section established (year) Piped system introduced (year)	revenue produced) Ince of Positive PIs / Section 2003 2003	Collection period (days) Overall performance Chlorination points (Nos.) PTW IRP/AIRP	of Negative PIs
Average (Tk/m3) Overall performs C. Water Supply Profile 1. General Information of Water Suppl Water section established (year) Piped system introduced (year)	revenue produced) Ince of Positive PIs / Section 2003 2003	Collection period (days) Overall performance Chlorination points (Nos.) PTW IRP/AIRP Surface WTP	of Negative PIs
Average (Tk/m3) Overall performs C. Water Supply Profile 1. General Information of Water Suppl Water section established (year) Piped system introduced (year) Pourashava responsibility	revenue produced) nnce of Positive PIs / Section 2003 2003 0&M, ,	Collection period (days) Overall performance Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.)	of Negative PIs
Average (Tk/m3) Overall performs C. Water Supply Profile 1. General Information of Water Suppl Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.)	revenue produced) nnce of Positive PIs / Section 2003 2003 0&M, ,	Collection period (days) Overall performance Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.)	of Negative PIs
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Average (Tk/m3 Overall performs C. Water Supply Profile 1. General Information of Water Suppl Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System	/ Section 2003 2003 O&M,, , Billing,,,,, 12	Collection period (days) Overall performance Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.)	of Negative PIs 1 0 0 2,160 0 1
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Average (Tk/m3 Overall performs C. Water Supply Profile 1. General Information of Water Suppl Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production	/ Section 2003 2003 O&M,, , Billing,,,,, 12 1 In operation	Collection period (days) Overall performance Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km):	of Negative PIs 1 0 0 2,160 0 1 680 23,000
Average (Tk/m3 Overall performs C. Water Supply Profile 1. General Information of Water Suppl Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system	/ Section 2003 2003 O&M,, , Billing,,,,, 12	Collection period (days) Overall performance Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.)	of Negative PIs 1 0 0 2,160 0 1 680
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Average (TK/m3) Overall performs C. Water Supply Profile 1. General Information of Water Suppl Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs) Ave. current capacity per unit (m³/hrs) Ave. production hours, Summer (hrs/day) Total production, Summer (m³/day) Teatment plants (Nos.) AIRP IRP Surface water treatment plants Plants not in operation Production of plant	revenue produced) Ince of Positive PIs / Section 2003 2003 0&M,, , Billing,,,,, 12 1 In operation , River 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0	Collection period (days) Overall performance Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells Pump Treatment plant Pipeline Customer water meter House connection O&M manuals (Nos.)	of Negative PIs
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Average (TK/m3) Overall performs C. Water Supply Profile 1. General Information of Water Suppl Water section established (year) Piped system introduced (year) Pourashava responsibility Computerization/Automation Staff in water section (Nos.) In which, staff with diploma or higher qualification (Nos.) 2. Water Supply System Operation of water supply facilities (1) Production Water sources for piped system Production tube well PTW (Nos.) PTW not in operation (Nos.) Ave. depth (m) Capacity at commission (m³/hrs) Ave. current capacity per unit (m³/hrs) Ave. production hours, Summer (hrs/day) Total production, Summer (m³/day) Teatment plants (Nos.) AIRP IRP Surface water treatment plants Plants not in operation Production of plant	revenue produced) Ince of Positive PIs / Section 2003 2003 0&M,, , Billing,,,,, 12 1 In operation , River 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0	Collection period (days) Overall performance Chlorination points (Nos.) PTW IRP/AIRP Surface WTP Bulk flow meters (Nos.) Bulk flow meter readings (Nos.) Total production, Summer (m³/day) (2) Distribution Overhead tank Overhead tanks (Nos.) Total capacity (m³) Distribution network (km): Leakages in distribution (Nos.) (3) O&M Problems Production wells Pump Treatment plant Pipeline Customer water meter House connection O&M manuals (Nos.)	of Negative PIs

3. Needs of Rehabilitation and Expans	sion	House connection fee (1/2") (Tk)	1,000	
Rehabilitation		Tariff adopted year	2004	
Production tube well	No	Tariff setting policy	, , , People's affordability to pay, ,	
Treatment plant	Yes	· · ·		
Distribution network	Yes	7. Water Quality Monitoring		
Expansion	163	Water quality monitoring plan	No	
	No		NO	
Production tube well	No	Parameters checked	-	
Treatment plant	Yes	Frequency of quality test	-	
Distribution network	Yes	Nos. of sampling location /year	-	
4. Customer Service (Service indicato	rs)	Water quality problems	In summer saline comes in river water	
Coverage area (km²)	2			
Population served (people)	5,300			
Service connections (Nos.)	1,225	8. Problems and Priority Needs		
Domestic		•		
	1,200	Major 3 problems	la cofficient to shortest and	
	Public tap/ stand pipe 8		Insufficient technical and	
Public institutions	3		managerial capacity	
Commercial & industrial	16	(2)	Low Treatment Technology	
Others	0		Low Treatment Technology	
Total	1,227	(3)	Water quality problems	
Metered connections (Nos.)	0	(-)		
` '	20	Major 3 priority peeds		
Applications outstanding (Nos.)		Major 3 priority needs	Increase of water are	
New connections in 2010/2011 (Nos.)		(1)	Increase of water pressure	
Average waiting time (days)	5-7			
Water pressure at the end of network	, , Low,	(2)	Installation of house meters to	
Continuity of service (hrs/day)	8		all consumers	
Customer with 24 hrs supply (%)	20	(3)	Capacity building for staff and	
Annual complaints (Nos.)	25	(3)	management	
		9. Past and On-going Projects and Training	-	
Major complaints	(4) They doubt not coefficient Mater		ig.	
	(1) They don't get sufficient Water	(1) Past 10 years projects		
		Name	-	
	(2) Pipe dia is very small, So water supply		-	
	pressure is very slowly.	Period	-	
	(3) P.V.C. Pipe some times is leakage out.	Funding agency	-	
		Executing agency	_	
E Einancial Information (EV2010/11)		(2) Past 10 years projects		
5. Financial Information (FY2010/11)	4.074.000		Ī	
Annual budget (Tk)	4,371,000	Name	-	
Annual revenue (Tk)	2,259,327		-	
Annual expenditure (Tk)	2,211,000	Period	-	
Annual O&M Costs (Tk)	2,211,000	Funding agency	-	
Annual billings (Tk)	3,421,050	Executing agency	-	
Annual collections (Tk)	2,474,432	On-going projects	-	
Water arrears (Tk)	1,200,000	Name		
, ,		Nume	Kotalioara and Tureloara courathava water supply and Environmental Sanitation Improvement Project.	
Electricity arrears (Tk)	1,100,000			
Payment methods	, Bank	Period	2010-2013	
Self-billing	Yes	Funding agency	GOB	
Billing frequency	Monthly	Executing agency	DPHE	
6. Water Tariff and Metering (See Ta	riff Database)	Training	0	
Tariff Structure	Based on pipe size	Nos. of training	0	
	P P P P P P P P P P P P P P P P P P P	Nos. of Staff	0	
Domestic 12 mm (1/2") (Tt/month)	200	Name of training (1)	Ī	
Domestic 13 mm (1/2") (Tk/month)	ZUU	Dame of Halling III	=	
Non-domestic lowest (Tk/month)	350	Name of training (2)	-	
Non-domestic lowest (Tk/month) Lowest volumetric charge (Tk/m³)				
, ,	350 0	Name of training (2)		
Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area	350 0	Name of training (2)	- - ,,,, Filtration	
Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply	350 0	Name of training (2) Name of training (3) Main treatment method in domestic	,,, Filtration Do not Know	
Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of	350 0	Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.)	Do not Know	
Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water	350 0 3	Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%)	Do not Know Do not Know	
Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	350 0 3 Yes Yes	Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%)	Do not Know Do not Know 0	
Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water	350 0 Yes Yes To reduce wastage of water, Actual revenue	Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%)	Do not Know Do not Know 0 60	
Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	350 0 3 Yes Yes	Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%)	Do not Know Do not Know 0	
Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	Yes Yes To reduce wastage of water, Actual revenue collection & House holder mind satisfaction to pay	Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	Do not Know Do not Know 0 60	
Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	Yes Yes To reduce wastage of water, Actual revenue collection & House holder mind satisfaction to pay	Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	Do not Know Do not Know 0 60	
Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	Yes Yes To reduce wastage of water, Actual revenue collection & House holder mind satisfaction to pay	Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	Do not Know Do not Know 0 60	
Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons	Yes Yes To reduce wastage of water, Actual revenue collection & House holder mind satisfaction to pay the bill.	Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area	Do not Know Do not Know 0 60 Arsenic, Iron	
Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staf	Yes Yes To reduce wastage of water, Actual revenue collection & House holder mind satisfaction to pay the bill.	Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area	Do not Know Do not Know 0 60 Arsenic, Iron Water Supply System	
Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staf Average household income/month (Tk	Yes Yes To reduce wastage of water, Actual revenue collection & House holder mind satisfaction to pay the bill. To 6,000	Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piper Potential water sources	Do not Know Do not Know 0 60 Arsenic, Iron Water Supply System Evaluation WQ problems	
Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staf Average household income/month (Tk Affordability for piped water (Tk/monty)	Yes Yes To reduce wastage of water, Actual revenue collection & House holder mind satisfaction to pay the bill. To 6,000 h) 6,000	Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area	Do not Know Do not Know 0 60 Arsenic, Iron	
Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staf Average household income/month (Tk	Yes Yes To reduce wastage of water, Actual revenue collection & House holder mind satisfaction to pay the bill. To 6,000	Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piper Potential water sources	Do not Know Do not Know 0 60 Arsenic, Iron Water Supply System Evaluation WQ problems	
Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staf Average household income/month (Tk Affordability for piped water (Tk/mont Affordable price in total household income (%)	Yes Yes Yes To reduce wastage of water, Actual revenue collection & House holder mind satisfaction to pay the bill. f) 0 6,000 h) 200 3	Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well	Do not Know Do not Know 0 60 Arsenic, Iron	
Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staf Average household income/month (Tk Affordability for piped water (Tk/mont Affordable price in total household income (%)	Yes Yes Yes To reduce wastage of water, Actual revenue collection & House holder mind satisfaction to pay the bill. f) 0 6,000 h) 200 3	Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources	Do not Know Do not Know 0 60 Arsenic, Iron d Water Supply System Evaluation WQ problems 0 0	
Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staf Average household income/month (Tk Affordability for piped water (Tk/mont Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Source	Yes Yes Yes To reduce wastage of water, Actual revenue collection & House holder mind satisfaction to pay the bill. f) 0 6,000 h) 200 3 l Water Supply Area Nos. of source Drinking (%) Domestic (%)	Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources	Do not Know Do not Know 0 60 Arsenic, Iron d Water Supply System Evaluation WQ problems 0 0 High Saline and dirty	
Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staf Average household income/month (Tk Affordability for piped water (Tk/mont Affordabile price in total household income (%) 2. Exiting Water Sources in Non-Piped Source River	Yes Yes Yes To reduce wastage of water, Actual revenue collection & House holder mind satisfaction to pay the bill. f) 0 6,000 h) 200 3 l Water Supply Area Nos. of source Drinking (%) Domestic (%)	Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level	Do not Know Do not Know 0 60 Arsenic, Iron d Water Supply System Evaluation WQ problems 0 0 High Saline and dirty	
Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staf Average household income/month (Tk Affordability for piped water (Tk/mont Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Source River Shallow well	Yes Yes Yes To reduce wastage of water, Actual revenue collection & House holder mind satisfaction to pay the bill. f) 0 6,000 h) 200 3 l Water Supply Area Nos. of source Drinking (%) Domestic (%) 1 0	Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piper Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year)	Do not Know Do not Know 0 60 Arsenic, Iron d Water Supply System Evaluation WQ problems 0 0 High Saline and dirty	
Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staf Average household income/month (Tk Affordability for piped water (Tk/mont Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Source River Shallow well Deep well	Yes Yes Yes To reduce wastage of water, Actual revenue collection & House holder mind satisfaction to pay the bill. 6) 6,000 h) 200 3 I Water Supply Area Nos. of source Drinking (%) Domestic (%) 1 0 5	Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piper Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year) Deep well (m/year)	Do not Know Do not Know 0 60 Arsenic, Iron d Water Supply System Evaluation WQ problems 0 0 High Saline and dirty	
Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staf Average household income/month (Tk Affordability for piped water (Tk/mont Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Source River Shallow well	Yes Yes Yes To reduce wastage of water, Actual revenue collection & House holder mind satisfaction to pay the bill. 6) 6,000 h) 200 3 I Water Supply Area Nos. of source Drinking (%) Domestic (%) 1 0 5 100 80 76 0 0 0	Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piper Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year) Deep well (m/year)	Do not Know Do not Know 0 60 Arsenic, Iron d Water Supply System Evaluation WQ problems 0 0 High Saline and dirty	

Trisal With Piped Water Supply System

A. Pourashava Profile Sanitation coverage Division Dhaka Latrine with septic tank (%) 25 Mymenshing Water sealed slab latrine (%) District 70 Year established Water-related diseases , Diarrhea, , , Dysentery, 1998 Contact Tel/Fax 903256015 Technical staff (Nos.) E-mail trishalpourashava@gmail.com Population (FY2010/2011) 35,030 Financial statements (2010/2011) Nos. of households (FY2010/2011) 6,680 Annual budget (Tk) 65,794,141 91.015.000 Literacy (%) 63 Revenue (Tk) 19,150,000 Expenditure (Tk) 15 Land area (km2) Residential area (km²) Computerization Residential area pop. density (persons/ha) 50 Electricity coverage (%) 30 Electricity availability (hrs) Committee formed Summer 10 TLCC /Frequency of meeting Yes. 3 months Winter 16 WATSAN/Frequency of meeting No B. Key Performance Indicators (Efficiency Indicators) Water supply coverage (%) 0 Metering ratio (%) Per capita produced water (L/d/ca) No production data Operating ratio (%) 233 Supply Hour (Hrs) Collection ratio in amount (%) 47 Non-revenue water (NRW) (%) Collection period (days) 825 2.7 Staffs/ 1,000 connections (ratio) 10 Pipe leakage ratio (point/km) Average revenue (Tk/m3 produced) Electricity arrear to annual revenue (%) Average O&M cost (Tk/m3 produced) Water supply Pipe leakage ratio (point/km) 10 coverage (%) 8 Per capita Electricity arrear Average O&M Collection ratio in oduced water to annual revenue cost (Tk/m3 amount (%) 4 (L/d/ca) (%) produced) 91 0 Staffs/ 1.000 Operating ratio Supply hours (hrs) Metering ratio (%) connections (ratio) Average revenue Collection period (Tk/m3 produced) (days) **Overall performance of Positive Pls Overall performance of Negative Pls** C. Water Supply Profile Chlorination points (Nos.) 1. General Information of Water Supply Section Water section established (year) PTW 0 Piped system introduced (year) 2009 IRP/AIRP 0 O&M, Construction of water supply Pourashava responsibility Surface WTP 0 facilities. Bulk flow meters (Nos.) 0 Computerization/Automation None, , , , , , Bulk flow meter readings (Nos.) 0 Total production, Summer (m³/day) Do not know Staff in water section (Nos.) (2) Distribution In which, staff with diploma or higher Overhead tank 0 qualification (Nos.) 2. Water Supply System Overhead tanks (Nos.) O Operation of water supply facilities 0 In operation Total capacity (m³) (1) Production Distribution network (km): 15.800 Water sources for piped system Groundwater, Leakages in distribution (Nos.) 42 (3) O&M Problems Production tube well Decrease of production capacity PTW (Nos.) Production wells PTW not in operation (Nos.) Burning of pump, motor due to voltage up Ave. depth (m) 350 Pump Capacity at commission (m³/hrs) Do not know Ave. current capacity per unit (m³/hrs) Do not know Treatment plant Ave. production hours, Summer (hrs/day) Pipe line leakage Do not know **Pipeline** Total production, Summer (m³/day) Teatment plants (Nos.) AIRP 0 Customer water meter IRP O Leakage from fitting Surface water treatment plants O House connection Plants not in operation n Production of plant 0 O&M manuals (Nos.) 0 Total capacity (m³/hrs) O&M assistance form DPHE 0 No Production hours, Summer (hrs/day) 0 Annual leakages (Nos.) 42 Total production (m³/day) Leakage detection activity Yes

3. Needs of Rehabilitation and Expansio	n	House connection fee (1/2") (Tk)	1,200	
Rehabilitation		Tariff adopted year	2009	
Production tube well	Yes	Tariff setting policy	,,,,,	
Treatment plant	No	· .		
Distribution network	Yes	7. Water Quality Monitoring		
	163	-	No	
Expansion		Water quality monitoring plan	No	
Production tube well	Yes	Parameters checked	-	
Treatment plant	Yes	Frequency of quality test	-	
Distribution network	Yes	Nos. of sampling location /year	-	
4. Customer Service (Service indicators)	ı	Water quality problems	Bacteria found sometimes.	
	2	water quality problems		
Coverage area (km²)				
Population served (people)	5,850			
Service connections (Nos.)	387	8. Problems and Priority Needs		
Domestic	380	Major 3 problems		
Public tap/ stand pipe	6	(1)	Low coverage	
Public institutions	0	(2)		
		(2)	6:	
Commercial & industrial	1	(2)	Less financial resources for	
Others	0		development.	
Total	387	(3)	Want of treatment technology.	
Metered connections (Nos.)	0			
Applications outstanding (Nos.)	0	Major 3 priority needs		
			Increase of production consists	
New connections in 2010/2011 (Nos.)	0	(1)	Increase of production capacity	
Average waiting time (days)	0			
Water pressure at the end of network	, , Low,	(2)	24-hour supply	
Continuity of service (hrs/day)	6			
Customer with 24 hrs supply (%)	25	(3)	Installation of house meters to	
Annual complaints (Nos.)	120	(3)	all consumers	
, , , ,	120	O Post and On saint During 15		
Major complaints		9. Past and On-going Projects and Traini	ng	
(1)	Wants 24 hours continuous supply.	(1) Past 10 years projects		
		Name	-	
(2)	-		_	
(-/		Period		
			-	
(3)	<i>i</i> -	Funding agency	-	
		Executing agency	-	
5. Financial Information (FY2010/11)		(2) Past 10 years projects	-	
Annual budget (Tk)	1,075,000	Name	_	
Annual revenue (Tk)	400,000		_	
` '		0.1.1		
Annual expenditure (Tk)	1,075,000	Period	-	
Annual O&M Costs (Tk)	930,000	Funding agency	-	
Annual billings (Tk)	882,250	Executing agency	-	
Annual collections (Tk)	415,795	On-going projects	-	
Water arrears (Tk)	904,262	Name	_	
Electricity arrears (Tk)	350,000	Hame		
			-	
Payment methods	Pourashava office, Bank	Period	-	
Self-billing	Yes	Funding agency	-	
Billing frequency	Monthly	Executing agency	-	
6. Water Tariff and Metering (See Tariff	Database)	Training	-	
Tariff Structure	Fixed amount	Nos. of training	0	
Tariii Siructure	Tixeu amount	<u> </u>		
		Nos. of Staff	0	
Domestic 13 mm (1/2") (Tk/month)	100	Name of training (1)	-	
Non-domestic lowest (Tk/month)	150	Name of training (2)	-	
Lowest volumetric charge (Tk/m³)	0	Name of training (3)	-	
D. Non-Piped Water Supply Area				
1. Necessity of Piped Water Supply		Main treatment method in domestic	None, , ,	
Necessity of		As contaminated wells (Nos.)	0	
Piped water			0	
· ·	Yes	Arsenic contaminated water supply (%)	U	
Water meter			5	
	Yes Yes To save water, Measure or water	Unhygienic drinking water (%)	5	
Water meter Reasons	Yes	Unhygienic drinking water (%) % of people using neighbor's well for drinking	5 5	
	Yes	Unhygienic drinking water (%)	5	
	Yes	Unhygienic drinking water (%) % of people using neighbor's well for drinking	5 5	
	Yes	Unhygienic drinking water (%) % of people using neighbor's well for drinking	5 5	
	Yes	Unhygienic drinking water (%) % of people using neighbor's well for drinking	5 5	
Reasons	Yes To save water, Measure or water	Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area	5 5 Bacteria in shallow tube well,	
Reasons Affordability (answered by pourashava staff)	Yes To save water, Measure or water	Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe	5 5 Bacteria in shallow tube well, d Water Supply System	
Reasons Affordability (answered by pourashava staff) Average household income/month (Tk)	Yes To save water, Measure or water 0 15,000	Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources	5 5 Bacteria in shallow tube well, d Water Supply System Evaluation WQ problems	
Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month)	Yes To save water, Measure or water 0 15,000 300	Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe	5 5 Bacteria in shallow tube well, d Water Supply System	
Reasons Affordability (answered by pourashava staff) Average household income/month (Tk)	Yes To save water, Measure or water 0 15,000	Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources	5 5 Bacteria in shallow tube well, d Water Supply System Evaluation WQ problems	
Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%)	Yes To save water, Measure or water 0 15,000 300 2	Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well	5 5 Bacteria in shallow tube well, d Water Supply System Evaluation WQ problems None Bacteria	
Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped V	Yes To save water, Measure or water 0 15,000 300 2 Vater Supply Area	Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources	5 5 Bacteria in shallow tube well, d Water Supply System Evaluation WQ problems None Bacteria High No	
Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped V Source	Yes To save water, Measure or water 0 15,000 300 2 Vater Supply Area Nos. of source Drinking (%) Domestic (%)	Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources	5 5 Bacteria in shallow tube well, d Water Supply System Evaluation WQ problems None Bacteria	
Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped V Source River	Ves To save water, Measure or water 0 15,000 300 2 Vater Supply Area Nos. of source Drinking (%) Domestic (%) 0 0 0	Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level	5 5 Bacteria in shallow tube well, d Water Supply System Evaluation WQ problems None Bacteria High No	
Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped V Source	Ves To save water, Measure or water 0 15,000 300 2 Vater Supply Area Nos. of source Drinking (%) Domestic (%) 0 0 0 4,100 70 70	Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level	5 5 Bacteria in shallow tube well, d Water Supply System Evaluation WQ problems None Bacteria High No	
Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped V Source River	Ves To save water, Measure or water 0 15,000 300 2 Vater Supply Area Nos. of source Drinking (%) Domestic (%) 0 0 0	Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year)	5 5 Bacteria in shallow tube well, d Water Supply System Evaluation WQ problems None Bacteria High No	
Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped V Source River Shallow well	Ves To save water, Measure or water 0 15,000 300 2 Vater Supply Area Nos. of source Drinking (%) 0 0 0 0 4,100 70 70 70	Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year) Deep well (m/year)	5 5 Bacteria in shallow tube well, d Water Supply System Evaluation WQ problems None Bacteria High No	
Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped V Source River Shallow well Deep well	Yes	Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year) Deep well (m/year)	5 5 Bacteria in shallow tube well, d Water Supply System Evaluation WQ problems None Bacteria High No	

Vedarganj With Piped Water Supply System

A. Pourashava Profile Class Sanitation coverage Dhaka Division Latrine with septic tank (%) 20 Shariatpur Water sealed slab latrine (%) 60 District Year established 1997 Water-related diseases , Diarrhea, Cholera, Typhoid, Contact Tel/Fax 06022-56179, 01717366251 Dysentery, Technical staff (Nos.) E-mail mayormannan@gmail.com Population (FY2010/2011) 10,000 Financial statements (2010/2011) 0 Nos. of households (FY2010/2011) 11,730,000 1.903 Annual budget (Tk) 70 Revenue (Tk) 3.430.000 Literacy (%) Land area (km²) 4 Expenditure (Tk) 3,430,000 , , , , Rate schedule and estimate preparation, Residential area (km²) 2 Computerization Engineering, Yearly logical budget preparation, , Residential area pop. density (persons/ha) 42 100 Electricity coverage (%) Electricity availability (hrs) Committee formed Summer 6 TLCC /Frequency of meeting Yes, 4 months Winter 10 WATSAN/Frequency of meeting No B. Key Performance Indicators (Efficiency Indicators) Water supply coverage (%) Metering ratio (%) Per capita produced water (L/d/ca) Operating ratio (%) Supply Hour (Hrs) No water supply service Collection ratio in amount (%) Non-revenue water (NRW) (%) Collection period (days) Pipe leakage ratio (point/km) Staffs/ 1,000 connections (ratio) Average revenue (Tk/m3 produced) Electricity arrear to annual revenue (%) Average O&M cost (Tk/m3 produced) Water supply Pipe leakage ratio coverage (%) (point/km) 8 8 Electricity arrear Per capita Collection ratio in Average O&M cost 6 6 produced water to annual revenue amount (%) (Tk/m3 produced) 4 4 (L/d/ca) (%) 0 0 Staffs/ 1,000 Metering ratio (%) Supply hours (hrs) Operating ratio (%) connections (ratio) Collection period Average revenue (Tk/m3 produced) (days) **Overall performance of Positive PIs Overall performance of Negative Pls** C. Water Supply Profile 1. General Information of Water Supply Section Chlorination points (Nos.) Water section established (year) Not formed PT\// 0 Piped system introduced (year) 2007 IRP/AIRP 0 Surface WTP 0 Pourashava responsibility Bulk flow meters (Nos.) n Computerization/Automation None. Bulk flow meter readings (Nos.) 0 Total production, Summer (m³/day) 0 Staff in water section (Nos.) 0 (2) Distribution In which, staff with diploma or higher 0 Overhead tank 0 qualification (Nos.) 2. Water Supply System Overhead tanks (Nos.) 0 Operation of water supply facilities Not in operation Total capacity (m³) 0 (1) Production Distribution network (km): 85,400 Water sources for piped system Groundwater, Leakages in distribution (Nos.) (3) O&M Problems Production tube well PTW (Nos.) 2 Production wells PTW not in operation (Nos.) 2 Ave. depth (m) 274 Pump 57 Capacity at commission (m³/hrs) 0 Treatment plant Ave. current capacity per unit (m³/hrs) Ave. production hours, Summer (hrs/day) 0 0 Pipeline Total production, Summer (m³/day) Teatment plants (Nos.) AIRP 0 Customer water meter IRP 0 House connection Surface water treatment plants 0 Plants not in operation 0

Production of plant

Total capacity (m³/hrs)

Total production (m³/day)

Production hours, Summer (hrs/day)

0

0

0

O&M manuals (Nos.)

Annual leakages (Nos.)

O&M assistance form DPHE

Leakage detection activity

No

3. Needs of Rehabilitation and Expansion	n	House connection fee (1/2") (Tk)	No water supply service
Rehabilitation			No water tariff
		Tariff adopted year	No water tariii
Production tube well	-	Tariff setting policy	,,,,,
Treatment plant	-		
Distribution network	-	7. Water Quality Monitoring	
Expansion		Water quality monitoring plan	-
Production tube well		Parameters checked	-
Treatment plant		Frequency of quality test	-
Distribution network		Nos. of sampling location /year	_
			-
4. Customer Service (Service indicators)		Water quality problems	
Coverage area (km²)	No water supply service		
Population served (people)	No water supply service		
Service connections (Nos.)	0	8. Problems and Priority Needs	
Domestic	0	Major 3 problems	
Public tap/ stand pipe	0	(1)	_
		(1)	
Public institutions	0	(2)	
Commercial & industrial	0	(2)	-
Others	0		
Total	0	(3)	-
Metered connections (Nos.)	_		
Applications outstanding (Nos.)		Major 3 priority needs	
New connections in 2010/2011 (Nos.)	-	(1)	-
Average waiting time (days)			
Water pressure at the end of network	,,,	(2)	-
Continuity of service (hrs/day)	No water supply service		
Customer with 24 hrs supply (%)	No water supply service	(3)	-
Annual complaints (Nos.)	No water supply service	(3)	
' ' '	ivo water supply service	O. Doot and On asing Dustrate and T. 1	
Major complaints		9. Past and On-going Projects and Trainin	g
(:	.) -	(1) Past 10 years projects	
		Name	-
(3	2) -		-
,	'	Period	_
11			
(:	-	Funding agency	-
		Executing agency	-
5. Financial Information (FY2010/11)		(2) Past 10 years projects	-
Annual budget (Tk)	0	Name	-
Annual revenue (Tk)	0		-
Annual expenditure (Tk)	0	Period	_
Annual O&M Costs (Tk)	0	Funding agency	-
Annual billings (Tk)	0	Executing agency	-
Annual collections (Tk)	0	On-going projects	-
Water arrears (Tk)	0	Name	-
Electricity arrears (Tk)	No water supply service		-
Payment methods	The water supply service	Period	_
· ·	,		
Self-billing		Funding agency	-
Billing frequency	0	Executing agency	-
6. Water Tariff and Metering (See Tarif	Database)	Training	-
Tariff Structure	0	Nos. of training	-
		Nos. of Staff	-
Domestic 13 mm (1/2") (Tk/month)			
	0	Name of training (1)	_
Non-domestic lowest (Tk/month)	0	Name of training (1)	-
	0	Name of training (2)	-
Lowest volumetric charge (Tk/m³)		<u> </u>	- - -
Lowest volumetric charge (Tk/m³) D. Non-Piped Water Supply Area	0	Name of training (2)	- - -
D. Non-Piped Water Supply Area	0	Name of training (2) Name of training (3)	
D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply	0	Name of training (2) Name of training (3) Main treatment method in domestic	, Boiling, ,
D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of	0 0	Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.)	Do not know
D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water	0 0 Yes	Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%)	Do not know Do not know
D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	O O Yes Yes	Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%)	Do not know Do not know Do not know
D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water	O O O Yes Yes Yes To reduce misuse of water & increase revenue of	Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%)	Do not know Do not know
D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	O O Yes Yes	Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%)	Do not know Do not know Do not know
D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	O O O Yes Yes Yes To reduce misuse of water & increase revenue of	Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	Do not know Do not know Do not know 80
D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	O O O Yes Yes Yes To reduce misuse of water & increase revenue of	Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	Do not know Do not know Do not know 80
D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter	O O O Yes Yes Yes To reduce misuse of water & increase revenue of	Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	Do not know Do not know Do not know 80
D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons	Yes Yes To reduce misuse of water & increase revenue of the pourashava	Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area	Do not know Do not know Do not know 80 Arsenic, Groundwater level declination
D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff)	Yes Yes To reduce misuse of water & increase revenue of the pourashava	Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipeo	Do not know Do not know Do not know 80 Arsenic, Groundwater level declination Water Supply System
D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons	Yes Yes To reduce misuse of water & increase revenue of the pourashava	Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area	Do not know Do not know Do not know 80 Arsenic, Groundwater level declination
D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff)	Yes Yes To reduce misuse of water & increase revenue of the pourashava	Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipeo	Do not know Do not know Do not know 80 Arsenic, Groundwater level declination Water Supply System
D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk)	Yes Yes To reduce misuse of water & increase revenue of the pourashava 0 10,000	Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipeo Potential water sources Shallow well	Do not know Do not know 80 Arsenic, Groundwater level declination Water Supply System Evaluation WQ problems
D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%)	Yes Yes To reduce misuse of water & increase revenue of the pourashava 0 10,000 150 2	Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipeo Potential water sources Shallow well Deep well	Do not know Do not know 80 Arsenic, Groundwater level declination Water Supply System Evaluation WQ problems None Arsenic Moderate Iron
D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped V	Yes Yes Yes To reduce misuse of water & increase revenue of the pourashava 0 10,000 150 2 Vater Supply Area	Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipeo Potential water sources Shallow well Deep well Surface water sources	Do not know Do not know 80 Arsenic, Groundwater level declination Water Supply System Evaluation WQ problems None Arsenic Moderate Iron Moderate Contaminated by human & industrial waste
D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped V Source	Yes Yes Yes To reduce misuse of water & increase revenue of the pourashava 0 10,000 150 2 Vater Supply Area Nos. of source Drinking (%) Domestic (%)	Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipeo Potential water sources Shallow well Deep well Surface water sources Other sources	Do not know Do not know 80 Arsenic, Groundwater level declination Water Supply System Evaluation WQ problems None Arsenic Moderate Iron
D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped V	Yes Yes Yes To reduce misuse of water & increase revenue of the pourashava 0 10,000 150 2 Vater Supply Area	Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipeo Potential water sources Shallow well Deep well Surface water sources Other sources	Do not know Do not know 80 Arsenic, Groundwater level declination Water Supply System Evaluation WQ problems None Arsenic Moderate Iron Moderate Contaminated by human & industrial waste
D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped V Source	Yes Yes Yes To reduce misuse of water & increase revenue of the pourashava 0 10,000 150 2 Vater Supply Area Nos. of source Drinking (%) Domestic (%)	Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipec Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level	Do not know Do not know 80 Arsenic, Groundwater level declination Water Supply System Evaluation WQ problems None Arsenic Moderate Iron Moderate Contaminated by human & industrial waste
D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped V Source River	Yes Yes Yes To reduce misuse of water & increase revenue of the pourashava 0 10,000 150 2 Vater Supply Area Nos. of source Drinking (%) Domestic (%) 0 0 5	Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipec Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year)	Do not know Do not know 80 Arsenic, Groundwater level declination Water Supply System Evaluation WQ problems None Arsenic Moderate Iron Moderate Contaminated by human & industrial waste No -
D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped V Source River Shallow well	Yes Yes Yes To reduce misuse of water & increase revenue of the pourashava O	Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipec Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year) Deep well (m/year)	Do not know Do not know 80 Arsenic, Groundwater level declination Water Supply System Evaluation WQ problems None Arsenic Moderate Iron Moderate Contaminated by human & industrial waste No - 3.00
D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped V Source River Shallow well Deep well	Yes Yes Yes To reduce misuse of water & increase revenue of the pourashava O	Name of training (2) Name of training (3) Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipec Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year) Deep well (m/year)	Do not know Do not know 80 Arsenic, Groundwater level declination Water Supply System Evaluation WQ problems None Arsenic Moderate Iron Moderate Contaminated by human & industrial waste No - 3.00

Zhikargacha With Piped Water Supply System

A. Pourashava Profile Sanitation coverage Division Khulna Latrine with septic tank (%) 15 Water sealed slab latrine (%) District lessore 45 Water-related diseases Year established 1998 Contact Tel/Fax Tel: 04225-506 Technical staff (Nos.) E-mail 6 Population (FY2010/2011) 34,284 Financial statements (2010/2011) Nos. of households (FY2010/2011) 5,883 Annual budget (Tk) 108,396,771 31,890,200 Literacy (%) 69 Revenue (Tk) 31,430,351 Expenditure (Tk) 9 Land area (km2) Residential area (km²) 5 Computerization Holding tax management, Accounting, Trade license, , Rate schedule and estimate Residential area pop. density (persons/ha) 67 preparation, Engineering, Yearly logical budget preparation, , Electricity coverage (%) 85 Electricity availability (hrs) Committee formed Summer TLCC /Frequency of meeting Yes, 3 month Winter 14 WATSAN/Frequency of meeting Yes, No activities yet **B. Key Performance Indicators (Efficiency Indicators)** Water supply coverage (%) n Metering ratio (%) 15 Per capita produced water (L/d/ca) 240 Operating ratio (%) 100 Supply Hour (Hrs) Collection ratio in amount (%) 124 Non-revenue water (NRW) (%) 12 Collection period (days) 56 0.7 Staffs/ 1,000 connections (ratio) Pipe leakage ratio (point/km) Average revenue (Tk/m3 produced) Electricity arrear to annual revenue (%) Average O&M cost (Tk/m3 produced) Water supply Pipe leakage ratio coverage (%) (point/km) 10 Per capita Electricity arrear Average O&M Collection ratio in 6 roduced water to annual revenue cost (Tk/m3 amount (%) (L/d/ca) (%) produced) Staffs/ 1.000 Operating ratio Metering ratio (%) Supply hours (hrs) connections (ratio) Average revenue Collection period (Tk/m3 produced) (days) **Overall performance of Positive Pls Overall performance of Negative Pls** C. Water Supply Profile Chlorination points (Nos.) 1. General Information of Water Supply Section Water section established (year) 0 PTW Piped system introduced (year) 2006 IRP/AIRP 0 O&M,, Part of construction Pourashava responsibility Surface WTP 0 Bulk flow meters (Nos.) 0 Computerization/Automation , Billing, Accounting, , , , Bulk flow meter readings (Nos.) 0 Total production, Summer (m³/day) 1,200 Staff in water section (Nos.) (2) Distribution 6 In which, staff with diploma or higher Overhead tank 0 qualification (Nos.) 2. Water Supply System Overhead tanks (Nos.) O Operation of water supply facilities 0 In operation Total capacity (m³) (1) Production Distribution network (km): 15.460 Water sources for piped system Groundwater, Leakages in distribution (Nos.) 11 (3) O&M Problems Production tube well No problem PTW (Nos.) Production wells PTW not in operation (Nos.) 0 Burning of pump motor due to voltage Ave. depth (m) 202 Pump fluctuation Capacity at commission (m³/hrs) 73 Ave. current capacity per unit (m³/hrs) 67 Treatment plant Ave. production hours, Summer (hrs/day) Joint dislocation, burst and leakage 1.200 **Pipeline** Total production, Summer (m³/day) Teatment plants (Nos.) AIRP 0 Customer water meter IRP O Leakage from fittings Surface water treatment plants 0 House connection Plants not in operation n Production of plant 0 O&M manuals (Nos.) 0 Total capacity (m³/hrs) O&M assistance form DPHE 0 No Production hours, Summer (hrs/day) 0 Annual leakages (Nos.) 11 Total production (m³/day) 0 Leakage detection activity Yes

3. Needs of Rehabilitation and Expan	sion	House connection fee (1/2") (Tk)	300
Rehabilitation		Tariff adopted year	2010
Production tube well	Yes	Tariff setting policy	, Operation cost recovery (O&M
Treatment plant	No		costs), , , ,
Distribution network	Yes	7. Water Quality Monitoring	
Expansion	. 65	Water quality monitoring plan	No
· ·	Vac		110
Production tube well	Yes	Parameters checked	-
Treatment plant	Yes	Frequency of quality test	-
Distribution network	Yes	Nos. of sampling location /year	-
4. Customer Service (Service indicato	rs)	Water quality problems	- Iron contains in deep tube well. Iron gets deposited In the pipelines. Due to non-availability of washouts pipeline
Coverage area (km²)	3		cannot be cleaned. Sometimes sluice valve is out of order and as a result waste water enter into pipeline during
Population served (people)	5,000		non-supply hours
Service connections (Nos.)	819	8. Problems and Priority Needs	
		·	
Domestic	811	Major 3 problems	
Public tap/ stand pipe	5	(1)	Low coverage
Public institutions	0		
Commercial & industrial	3	(2)	Insufficient technical and
Others	0		managerial capacity
Total	819	(3)	Leakage and washing of pipe
Metered connections (Nos.)	0	(3)	
· · · · ·	0	Major 3 priority poods	
Applications outstanding (Nos.)		Major 3 priority needs	
New connections in 2010/2011 (Nos.)	11	(1)	Increase of water pressure
Average waiting time (days)	0		
Water pressure at the end of network	, Fair, ,	(2)	Reduction of leakage
Continuity of service (hrs/day)	6		
Customer with 24 hrs supply (%)	0	(3)	Reduction of NRW
Annual complaints (Nos.)	36	(3)	
	30	Q. Past and On going Projects and Traini	ng
Major complaints	(4) No 24 hours are	9. Past and On-going Projects and Traini	115
	(1) No 24 hours supply	(1) Past 10 years projects	
		Name	-
	(2) No water supply available end of the		-
	pipe	Period	-
	(3) Leakage	Funding agency	-
	(5)	Executing agency	_
F. Financial Information (FV2010/11)			
5. Financial Information (FY2010/11)	10.450.000	(2) Past 10 years projects	-
Annual budget (Tk)	19,150,000	Name	-
Annual revenue (Tk)	1,340,125		-
Annual expenditure (Tk)	1,345,733	Period	-
Annual O&M Costs (Tk)	1,345,733	Funding agency	-
Annual billings (Tk)	1,050,000	Executing agency	-
Annual collections (Tk)	1,299,185	On-going projects	_
Water arrears (Tk)	205,572	Name	_
` '	· ·	Name	
Electricity arrears (Tk)	380,329		-
Payment methods	, Bank	Period	-
Self-billing	No	Funding agency	-
Billing frequency	Monthly	Executing agency	-
6. Water Tariff and Metering (See Ta	riff Database)	Training	-
Tariff Structure	Based on pipe size	Nos. of training	5
		Nos. of Staff	13
Domestic 13 mm (1/2") (Tk/month)	110	Name of training (1)	
			Basic computer training
Non-domestic lowest (Tk/month)	0	Name of training (2)	PPR (Public Procurement Rules)-2003, 2008
Lowest volumetric charge (Tk/m³)	0	Name of training (3)	Quality of control
D. Non-Piped Water Supply Area	1		
1. Necessity of Piped Water Supply			None, , ,
		Main treatment method in domestic	,,,
		Main treatment method in domestic As contaminated wells (Nos.)	Do not know
Necessity of		As contaminated wells (Nos.)	Do not know
Necessity of Piped water	Yes	As contaminated wells (Nos.) Arsenic contaminated water supply (%)	Do not know
Necessity of	Yes Yes	As contaminated wells (Nos.)	
Necessity of Piped water	Yes Yes - To save water and reduce waste in household	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	Do not know
Necessity of Piped water Water meter	Yes Yes	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	Do not know No data 20 Water level down in dry season about
Necessity of Piped water Water meter	Yes Yes - To save water and reduce waste in household - Meter required due to actual water bill preparation	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	Do not know No data 20 Water level down in dry season about 2m, Some area faced arsenic
Necessity of Piped water Water meter	Yes Yes - To save water and reduce waste in household - Meter required due to actual water bill preparation	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	Do not know No data 20 Water level down in dry season about
Necessity of Piped water Water meter	Yes Yes - To save water and reduce waste in household - Meter required due to actual water bill preparation	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking	Do not know No data 20 Water level down in dry season about 2m, Some area faced arsenic
Necessity of Piped water Water meter Reasons	Yes Yes - To save water and reduce waste in household - Meter required due to actual water bill preparation its help us.	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area	Do not know No data 20 Water level down in dry season about 2m, Some area faced arsenic contamination (Not data sheets)
Necessity of Piped water Water meter Reasons Affordability (answered by pourashava sta	Yes Yes - To save water and reduce waste in household - Meter required due to actual water bill preparation its help us.	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe	Do not know No data 20 Water level down in dry season about 2m, Some area faced arsenic contamination (Not data sheets) d Water Supply System
Necessity of Piped water Water meter Reasons Affordability (answered by pourashava star	Yes Yes -To save water and reduce waste in household - Meter required due to actual water bill preparation its help us.	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources	Do not know No data 20 Water level down in dry season about 2m, Some area faced arsenic contamination (Not data sheets) d Water Supply System Evaluation WQ problems
Necessity of Piped water Water meter Reasons Affordability (answered by pourashava state and a verage household income/month (The affordability for piped water (Tk/montage)	Yes Yes -To save water and reduce waste in household - Meter required due to actual water bill preparation its help us.	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe	Do not know No data 20 Water level down in dry season about 2m, Some area faced arsenic contamination (Not data sheets) d Water Supply System
Necessity of Piped water Water meter Reasons Affordability (answered by pourashava star	Yes Yes -To save water and reduce waste in household - Meter required due to actual water bill preparation its help us.	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources	Do not know No data 20 Water level down in dry season about 2m, Some area faced arsenic contamination (Not data sheets) d Water Supply System Evaluation WQ problems
Necessity of Piped water Water meter Reasons Affordability (answered by pourashava state Average household income/month (The Affordability for piped water (Tk/montaffordable price in total household income (%)	Yes Yes Yes -To save water and reduce waste in household - Meter required due to actual water bill preparation its help us. f) 0 12,000 h) 110 0	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well	Do not know No data 20 Water level down in dry season about 2m, Some area faced arsenic contamination (Not data sheets) d Water Supply System Evaluation WQ problems None Arsenic, Iron
Necessity of Piped water Water meter Reasons Affordability (answered by pourashava sta Average household income/month (Th Affordability for piped water (Tk/mon' Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped	Yes Yes Yes -To save water and reduce waste in household - Meter required due to actual water bill preparation its help us. f) 0 12,000 h) 110 0 Water Supply Area	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources	Do not know No data 20 Water level down in dry season about 2m, Some area faced arsenic contamination (Not data sheets) d Water Supply System Evaluation WQ problems None Arsenic, Iron Moderate No problem
Necessity of Piped water Water meter Reasons Affordability (answered by pourashava sta Average household income/month (Th Affordability for piped water (Tk/mon' Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Source	Yes Yes Yes -To save water and reduce waste in household - Meter required due to actual water bill preparation its help us. f) 0 12,000 h) 110 0 Water Supply Area Nos. of source Drinking (%) Domestic (%)	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources	Do not know No data 20 Water level down in dry season about 2m, Some area faced arsenic contamination (Not data sheets) d Water Supply System Evaluation WQ problems None Arsenic, Iron
Necessity of Piped water Water meter Reasons Affordability (answered by pourashava sta Average household income/month (Th Affordability for piped water (Tk/mon' Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Source River	Yes Yes Yes - To save water and reduce waste in household - Meter required due to actual water bill preparation its help us. f) 0 12,000 h) 110 0 Water Supply Area Nos. of source Drinking (%) Domestic (%) 0 0 5	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level	Do not know No data 20 Water level down in dry season about 2m, Some area faced arsenic contamination (Not data sheets) d Water Supply System Evaluation WQ problems None Arsenic, Iron Moderate No problem No -
Necessity of Piped water Water meter Reasons Affordability (answered by pourashava sta Average household income/month (The Affordability for piped water (Tk/mont) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Source River Shallow well	Yes Yes Yes - To save water and reduce waste in household - Meter required due to actual water bill preparation its help us. f) 0 12,000 h) 110 0 Water Supply Area Nos. of source Drinking (%) Domestic (%) 0 0 5 3,700 90 85	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year)	Do not know No data 20 Water level down in dry season about 2m, Some area faced arsenic contamination (Not data sheets) d Water Supply System Evaluation WQ problems None Arsenic, Iron Moderate No problem No -
Necessity of Piped water Water meter Reasons Affordability (answered by pourashava sta Average household income/month (Th Affordability for piped water (Tk/mon Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Source River Shallow well Deep well	Yes Yes Yes - To save water and reduce waste in household - Meter required due to actual water bill preparation its help us. f) 0 12,000 h) 110 0 Water Supply Area Nos. of source Drinking (%) Domestic (%) 0 0 5 3,700 90 85 38 10 8	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year) Deep well (m/year)	Do not know No data 20 Water level down in dry season about 2m, Some area faced arsenic contamination (Not data sheets) d Water Supply System Evaluation WQ problems None Arsenic, Iron Moderate No problem No -
Necessity of Piped water Water meter Reasons Affordability (answered by pourashava sta Average household income/month (The Affordability for piped water (Tk/mont) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Source River Shallow well	Yes Yes Yes - To save water and reduce waste in household - Meter required due to actual water bill preparation its help us. f) 0 12,000 h) 110 0 Water Supply Area Nos. of source Drinking (%) Domestic (%) 0 0 5 3,700 90 85	As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Pipe Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year) Deep well (m/year)	Do not know No data 20 Water level down in dry season about 2m, Some area faced arsenic contamination (Not data sheets) d Water Supply System Evaluation WQ problems None Arsenic, Iron Moderate No problem No -

List of Pourashavas without Piped Water Supply System (alphabetical sequence)

Non-piped Pourashava Name	Division	District	Ref. No.*	Page No.
Ajmiriganj	Sylhet	Hobiganj	SL-N-3	277
Akhaura	Chittagong	Brahmanbaria	CG-N-3	277
Akkelpur	Rajshahi	Jaipurhat	RJ-N-11	278
Alamdanga(JICA)	Khulna	Chuadanga	KN-N-1	278
Araihazar	Dhaka	Narayanganj	DK-N-46	279
Arani	Rajshahi	Rajshahi	RJ-N-36	279
Athgharia	Rajshahi	Pabna	RJ-N-23	280
Badarganj	Rangpur	Rangpur	RP-N-5	280
Bagatipara	Rajshahi	Natore	RJ-N-17	281
Bagha	Rajshahi	Rajshahi	RJ-N-29	281
Baghaichari	Chittagong	Rangamati	CG-N-35	282
Bagherpara	Khulna	Jessore	KN-N-5	282
Banaripara	Barisal	Barisal	BS-N-7	283
Banshkhali	Chittagong	Chittagong	CG-N-10	283
Baraiarhat	Chittagong	Chittagong	CG-N-7	284
Baraigram	Rajshahi	Natore	RJ-N-18	284
Barlekha	Sylhet	Moulavibazar	SL-N-4	285
Bashail	Dhaka	Tangail	DK-N-43	285
Basurhat	Chittagong	Noakhali	CG-N-24	286
Bauphal	Barisal	Patuakhali	BS-N-4	286
Belkuchi	Rajshahi	Sirajganj	RJ-N-38	287
Benapol	Khulna	Jessore	KN-N-2	287
Betagi	Barisal	Barguna	BS-N-1	288
Bhaluka	Dhaka	Mymensingh	DK-N-18	288
Bhawaniganj	Rajshahi	Rajshahi	RJ-N-28	289
Bhuapur	Dhaka	Tangail	DK-N-40	289
Birganj	Rangpur	Dinajpur	RP-N-8	290
Biyanibazar	Sylhet	Sylhet	SL-N-10	290
Boalmari	Dhaka	Faridpur	DK-N-4	290
Boda	Rangpur	Panchagarh	RP-N-15	291
	Rajshahi		RJ-N-15	291
Bonapara		Natore		+
Challeria	Chittagong	Feni Cayla Bazar	CG-N-30	292
Chakoria	Chittagong	Cox's Bazar	CG-N-32	293
Chalna	Khulna	Khulna	KN-N-8	293
Chandanaish	Chittagong	Chittagong	CG-N-9	294
Chatkhil(JICA)	Chittagong	Noakhali	CG-N-25	294
Chattak	Sylhet	Sunamganj	SL-N-11	295
Chauddagram	Chittagong	Comilla .	CG-N-15	295
Chaugachha	Khulna	Jessore	KN-N-3	296
Chunarughat	Sylhet	Hobiganj	SL-N-1	296
Daganbhuiyan	Chittagong	Feni	CG-N-18	297
Darshana	Khulna	Chuadanga	KN-N-13	297
Debiddar	Chittagong	Comilla	CG-N-12	298
Derai	Sylhet	Sunamganj	SL-N-12	298
Dewanganj	Dhaka	Jamalpur	DK-N-11	299
Dhamirhat	Rajshahi	Naogaon	RJ-N-13	299
Dhamrai(JICA2)	Dhaka	Dhaka	DK-N-1	300
Dhanbari	Dhaka	Tangail	DK-N-41	300
Dhunat	Rajshahi	Bogra	RJ-N-9	301
Dhupchachia	Rajshahi	Bogra	RJ-N-4	301

Non-piped Pourashava Name	Division	District	Ref. No.*	Page No.
Dohar(JICA)	Dhaka	Dhaka	DK-N-2	302
Domar	Rangpur	Nilphamari	RP-N-12	302
Doulatkhan	Barisal	Bhola	BS-N-3	303
Durgapur	Dhaka	Netrokona	DK-N-30	303
Durgapur	Rajshahi	Rajshahi	RJ-N-37	304
Elanga	Dhaka	Tangail	DK-N-42	304
Faridganj	Chittagong	Chandpur	CG-N-4	305
Faridpur	Rajshahi	Pabna	RJ-N-22	305
Fhatikchari	Chittagong	Chittagong	CG-N-11	306
Fhulbaria	Dhaka	Mymensingh	DK-N-22	306
Gafargaon	Dhaka	Mymensingh	DK-N-17	307
Gangni	Khulna	Meherpur	KN-N10	307
Ghatail	Dhaka	Tangail	DK-N-35	308
Ghoraghat	Rangpur	Dinajpur	RP-N-6	308
Goalandaghat	Dhaka	Rajbari	DK-N-31	309
Gobindaganj	Rangpur	Gaibandha	RP-N-2	309
Godagari(JICA)	Rajshahi	Rajshahi	RJ-N-24	310
Golapganj	Sylhet	Sylhet	SL-N-14	310
Gopaldi	Dhaka	Narayanganj	DK-N-47	311
Gopalpur	Rajshahi	Natore	RJ-N-14	311
Goshairhat	Dhaka	Shariatpur	DK-N-32	312
Haita	Chittagong	Noakhali	CG-N-23	312
Hakimpur	Rangpur	Dinajpur	RP-N-7	313
Haragacha	Rangpur	Rangpur	RP-N-4	313
Harinakunda	Khulna	Jhenaidah	KN-N-6	314
Homna	Chittagong	Comilla	CG-N-14	314
Hossainpur	Dhaka	Kishorganj	DK-N-14	315
Ishwarganj	Dhaka	Mymensingh	DK-N-19	315
Islampur	Dhaka	Jamalpur	DK-N-9	316
Jagannathpur	Sylhet	Sunamganj	SL-N-8	316
Jaldhaka	Rangpur	Nilphamari	RP-N-11	317
Jibonnagar	Khulna	Chuadanga	KN-N-12	317
Kahaloo	Rajshahi	Bogra	RJ-N-7	318
Kakanhat	Rajshahi	Rajshahi	RJ-N-30	318
Kalai	Rajshahi	Jaipurhat	RJ-N-12	319
Kalaroa	Khulna	Satkhira	KN-N-18	319
Kaliakoir	Dhaka	Gazipur	DK-N-6	320
Kaliganj	Dhaka	Gazipur	DK-N-48	320
Kalihati	Dhaka	Tangail	DK-N-38	321
Kamalganj	Sylhet	Moulavibazar	SL-N-5	321
Kanaighat(JICA)	Sylhet	Sylhet	SL-N-7	322
Kanchan	Dhaka	Narayanganj	DK-N-27	322
Karimganj	Dhaka	Kishorganj	DK-N-13	323
Kasba	Chittagong	Brahmanbaria	CG-N-1	323
Katakhali	Rajshahi	Rajshahi	RJ-N-34	324
Kazipur	Rajshahi	Sirajganj	RJ-N-40	324
Kendua	Dhaka	Netrokona	DK-N-28	325
Keshobpur	Khulna	Jessore	KN-N-15	325
Keshorehat	Rajshahi	Rajshahi	RJ-N-35	326
Khatlal	Rajshahi	Jaipurhat	RJ-N-42	326
Khoksa	Khulna	Kushtia	KN-N-9	327
Kuakata	Barisal	Patuakhali	BS-N-5	327
Kulaura	Sylhet	Moulavibazar	SL-N-13	328
Kuliarchar	Dhaka	Kishorganj	DK-N-12	328

Non-piped Pourashava Name	Division	District	Ref. No.*	Page No.
Lama	Chittagong	Bandarban	CG-N-31	329
Lohagara	Khulna	Narail	KN-N11	329
Madan	Dhaka	Netrokona	DK-N-29	330
Madarganj	Dhaka	Jamalpur	DK-N-8	330
Madhabdi(JICA)	Dhaka	Narshingdi	DK-N-23	331
Madhupur	Dhaka	Tangail	DK-N-39	331
Manirampur(JICA)	Khulna	Jessore	KN-N-4	332
Mathbaria(JICA)	Barisal	Pirojpur	BS-N-6	332
Matiranga	Chittagong	Khagrachari	CG-N-34	333
Melandaha	Dhaka	Jamalpur	DK-N-10	333
Mirpur	Khulna	Kushtia	KN-N-14	334
Mirsharai	Chittagong	Chittagong	CG-N-8	334
Mirzapur	Dhaka	Tangail	DK-N-36	335
Moheskhali	Chittagong	Cox's Bazar	CG-N-17	335
Mohonganj	Dhaka	Netrokona	DK-N-45	336
Morolganj	Khulna	Bagerhat	KN-N-16	336
Muksudpur	Dhaka	Gopalganj	DK-N-7	337
Muladi(JICA)	Barisal	Barisal	BS-N-2	337
Nabiganj	Sylhet	Hobiganj	SL-N-9	338
Nabinagar(JICA)	Chittagong	Brahmanbaria	CG-N-2	338
Nachole	Rajshahi	Chapainawabganj	RJ-N-20	339
Nagalcoat	Chittagong	Comilla	CG-N-13	339
Nagarkanda	Dhaka	Faridpur	DK-N-3	340
Nagashwari	Rangpur	Kurigram	RP-N-13	340
Nakla	Dhaka	Sherpur	DK-N-34	341
Nalchity	Barisal	Jhalakati	BS-N-8	341
Naldanga	Rajshahi	Natore	RJ-N-16	342
Nandail	Dhaka	Mymensingh	DK-N-20	342
Nandigram	Rajshahi	Bogra	RJ-N-2	343
Paikgacha	Khulna	Khulna	KN-N-17	343
Pakundia	Dhaka	Kishorganj	DK-N-15	344
Palashbari	Rangpur	Gaibandha	RP-N-3	344
Panchbibi	Rajshahi	Jaipurhat	RJ-N-10	345
Parsuram	Chittagong	Feni	CG-N-19	345
Patgram	Rangpur	Lalmonirhat	RP-N-16	346
Patia	Chittagong	Chittagong	CG-N-29	346
Phulpur	Dhaka	Mymensingh	DK-N-21	347
Pirganj	Rangpur	Thakurgaon	RP-N-9	347
Puthia	Rajshahi	Rajshahi	RJ-N-32	348
Ramgati	Chittagong	Lakshmipur	CG-N-21	348
Rangunia	Chittagong	Chittagong	CG-N-6	349
Ranisankail	Rangpur	Thakurgaon	RP-N-10	349
Rawjan	Chittagong	Chittagong	CG-N-33	350
Raypura	Dhaka	Narshingdi	DK-N-24	350
Royganj	Rajshahi	Sirajganj	RJ-N-39	351
Saistaganj(JICA)	Sylhet	Hobiganj	SL-N-2	351
Sakhipur	Dhaka	Tangail	DK-N-37	352
Sariakandi	Rajshahi	Bogra	RJ-N-3	352
Satkania	Chittagong	Chittagong	CG-N-5	353
Senbagh	Chittagong	Noakhali	CG-N-26	353
Shandia	Chittagong	Chittagong	CG-N-27	354
Sherpur	Rajshahi	Bogra	RJ-N-1	354
Shibchar	Dhaka	Madaripur	DK-N-44	355
Shibganj	Rajshahi	Bogra	RJ-N-6	355

Non-piped Pourashava Name	Division	District	Ref. No.*	Page No.
Shibganj(JICA)	Rajshahi	Chapainawabganj	RJ-N-19	356
Shitakunda	Chittagong	Chittagong	CG-N-28	356
Singair(JICA2)	Dhaka	Manikganj	DK-N-16	357
Sonagazi	Chittagong	Feni	CG-N-20	357
Sonaimuri	Chittagong	Noakhali	CG-N-22	358
Sonargaon	Dhaka	Narayanganj	DK-N-25	358
Sonatala	Rajshahi	Bogra	RJ-N-5	359
Sreebardi	Dhaka	Sherpur	DK-N-33	369
Sreepur	Dhaka	Gazipur	DK-N-5	360
Sunderganj	Rangpur	Gaibandha	RP-N-1	360
Taherpur	Rajshahi	Rajshahi	RJ-N-25	361
Talora	Rajshahi	Bogra	RJ-N-8	361
Tanore	Rajshahi	Rajshahi	RJ-N-26	362
Tarabo	Dhaka	Narayanganj	DK-N-26	362
Teknaf	Chittagong	Cox's Bazar	CG-N-16	363
Ulipur	Rangpur	Kurigram	RP-N-14	363
Ullahpara	Rajshahi	Sirajganj	RJ-N-41	364
Zakiganj	Sylhet	Sylhet	SL-N-6	364

^{*} Reference No. is corresponding to serial No. of data sheet in CD.

Ajmiriganj

A. Pourashava Profile		
Class C Sanitation coverage		
Division Sylhet Latrine with septic tank (%) 8.0	8.0	
District Hobiganj Water sealed slab latrine (%) 90.0		
Year established 2004 Water-related diseases , Diarrhea, ,	. Typhoid, Dysentery,	
Contact Tel/Fax 832256094		
E-mail Technical staff (Nos.) 3		
Population (FY2010/2011) 16,255 Financial statements (2010/2011) 0		
Nos. of households (FY2010/2011) 2,300 Annual budget (Tk) 47,338,245		
Literacy (%) 35.0 Revenue (Tk) 12,889,560		
Land area (km²) 6.5 Expenditure (Tk) 12,539,060		
Residential area (km²) 2.6 Computerization Holding tax man	nagement, Accounting, Trade	
license, Salary p	payment, Rate schedule and ration, Engineering, Yearly	
Electricity coverage (%) 90.0 Committee formed	ation, Engineering, rearry	
Electricity availability (hrs) TLCC /Frequency of meeting Yes, 6 mont	ths	
Summer 15 WATSAN/Frequency of meeting No		
Winter 20		
D. Non-Piped Water Supply Area		
1. Necessity of Piped Water Supply Main treatment method in domestic None, , ,		
Necessity of As contaminated wells (Nos.) Do not know	Do not know	
Piped water Yes Arsenic contaminated water supply (%) 5	5	
Water meter Yes Unhygienic drinking water (%) 25	25	
Reasons - Possible to keep record for total water % of people using neighbor's well for drinking 10		
	Some shallow tubewell did not produced water in	
supply. · · · · · · · · · · · winter. Ground w. · · · · · · · · · · · · · · · · · ·	rater table decline Arsenic and	
Affordability (answered by pourashava staff) 3. Potential Water Sources for Non-Piped Water Supplies the state of the sta	pply System	
Average household income/month (Tk) 12,000 Potential water sources <u>Evaluation</u>	WQ problems	
Affordability for piped water (Tk/month) 150 Shallow well None	Arsenic, Iron	
Affordable price in total household income (%) 1.25 Deep well High	No problem	
2. Exiting Water Sources in Non-Piped Water Supply Area Surface water sources None	Around the year water is not available	
Source Nos. of source Drinking (%) Domestic (%) Other sources No	-	
River 1 0 5 Decrease of ground water level		
Shallow well (m/year) Not known		
Deep well 20 5 2 Deep well (m/year) Not known		
Ponds 40 0 60		

Akhaura

AKIIUUIU						рс	a water supply system
A. Pourashava Profile							
Class	С				Sanitation coverage		
Division	Chittagong			Latrine with septic tank (%)	19.0		
District	Brahmanbaria			Water sealed slab latrine (%)	47.0		
Year established	1999				Water-related diseases	, Diarrhea,	, , Dysentery,
Contact Tel/Fax	08522-5623	31, Fax-085	22-56200				
E-mail	akhapoura	@yahoo.co	m		Technical staff (Nos.)	2	
Population (FY2010/2011)	37,085	- ,			Financial statements (2010/2011)	0	
Nos. of households (FY2010/2011)	7,598				Annual budget (Tk)	17,548,514	1
Literacy (%)	75.0				Revenue (Tk)	10,255,070)
Land area (km²)	8.3				Expenditure (Tk)	8,658,046	
Residential area (km²)	3.3				Computerization		nent, Rate schedule and
Residential area pop. density (persons/ha)	111				·		aration, Engineering, Yearly preparation, Procurement,
Electricity coverage (%)	90.0				Committee formed	logical baaget	preparation, r rocarement,
Electricity availability (hrs)					TLCC /Frequency of meeting	No	
Summer	18				WATSAN/Frequency of meeting	Yes, 2 months	
Winter	23			, , ,			
D. Non-Piped Water Supply Area							
1. Necessity of Piped Water Supply					Main treatment method in domestic	None, , ,	
Necessity of					As contaminated wells (Nos.)	N/A	
Piped water	Yes				Arsenic contaminated water supply (%)	N/A	
Water meter	Yes				Unhygienic drinking water (%)	N/A	
Reasons	To know exa	act consump	tion of		% of people using neighbor's well for drinking	2	
	water volum				Problems in non-piped water supply area		(Test report enclosed),
	water and a						(Test report enclosed)
Affordability (answered by pourashava staff)				3. F	Potential Water Sources for Non-Piped	Water Su	pply System
Average household income/month (Tk)	10,000				Potential water sources	Evaluation	WQ problems
Affordability for piped water (Tk/month)	100				Shallow well	Moderate	0
Affordable price in total household income (%)	1.00				Deep well	High	0
2. Exiting Water Sources in Non-Piped W	ater Supply	y Area			Surface water sources	Moderate	0
Source	Nos. of source	Drinking (%)	Domestic (%)		Other sources	No	0
River	1	0	10		Decrease of ground water level		
Shallow well	3,469	98	15		Shallow well (m/year)	Not known	
Deep well	55	2	15		Deep well (m/year)	Not known	
Ponds	96	0	40				
Other sources	3	0	20				
				_			

Akkelpur

A. Pourashava Profile							
Class	С				Sanitation coverage		
Division	Rajshahi				Latrine with septic tank (%)	20.0	
District	Joypurhat				Water sealed slab latrine (%)	55.0	
Year established	1999 (28th	February)			Water-related diseases	, Diarrhea,	, , Dysentery,
Contact Tel/Fax	Tel: 05722-	-64120					
E-mail					Technical staff (Nos.)	4	
Population (FY2010/2011)	32,000				Financial statements (2010/2011)	0	
Nos. of households (FY2010/2011)	7,123				Annual budget (Tk)	48,742,81	4
Literacy (%)	65.0				Revenue (Tk)	7,417,996	
Land area (km²)	15.0				Expenditure (Tk)	6,697,559	
Residential area (km²)	6.3				Computerization		dule and estimate ngineering, Yearly logical
Residential area pop. density (persons/ha)	51					budget prepar	
Electricity coverage (%)	90.0				Committee formed		
Electricity availability (hrs)					TLCC /Frequency of meeting	No	
Summer	15				WATSAN/Frequency of meeting	No	
Winter	22						
D. Non-Piped Water Supply Area							
1. Necessity of Piped Water Supply					Main treatment method in domestic	None, , ,	
Necessity of					As contaminated wells (Nos.)	None	
Piped water	Yes				Arsenic contaminated water supply (%)	0	
Water meter	Yes				Unhygienic drinking water (%)	4	
Reasons		roper use of wa			% of people using neighbor's well for drinking	20	
		ty of water used iter not billed, (i	0. ()		Problems in non-piped water supply area		is high in some area,
	etc.	, (-				Declining of	
Affordability (answered by pourashava staff)				3. F	Potential Water Sources for Non-Pipe	<mark>d</mark> Water Տւ	ipply System
Average household income/month (Tk)	10,000				Potential water sources	Evaluation	WQ problems
Affordability for piped water (Tk/month)	100				Shallow well	Moderate	Iron quantity is high in some area
Affordable price in total household income (%)	1.00				Deep well	-	-
2. Exiting Water Sources in Non-Piped W		ſ		1	Surface water sources	-	-
Source	Nos. of source		Domestic (%)		Other sources	No	-
River	1	0	0		Decrease of ground water level		
Shallow well	4,900	0	80		Shallow well (m/year)	0.3	
Deep well	0	0	0		Deep well (m/year)	Not known	
Ponds	200	0	20				
Other sources	0	0	0				

Alamdanga

Alamaanga					WI	th Non-Pipe	d Water Supply System
A. Pourashava Profile							
Class	Α				Sanitation coverage		
Division	Khulna				Latrine with septic tank (%)	20.0	
District	Chuadanga				Water sealed slab latrine (%)	10.0	
Year established	17-10-1985	;			Water-related diseases	Arsenicosis, Di	arrhea, , Typhoid, Dysentery,
Contact Tel/Fax	07622-56302,	07622-56502/	07622-56772				
E-mail	mayoralam	danga@yal	noo.com		Technical staff (Nos.)	11	
Population (FY2010/2011)	65,000				Financial statements (2010/2011)	0	
Nos. of households (FY2010/2011)	6,657				Annual budget (Tk)	211,418,04	43
Literacy (%)	49.0				Revenue (Tk)	22,866,930	
Land area (km²)	9.6				Expenditure (Tk)	24,220,873	3
Residential area (km²)	4.8				Computerization		Salary payment, Rate
Residential area pop. density (persons/ha)	135					Engineering,	estimate preparation,
Electricity coverage (%)	100.0				Committee formed	Linginice inig,)	´
Electricity availability (hrs)					TLCC /Frequency of meeting	Yes, 1 mor	nth
Summer	18				WATSAN/Frequency of meeting	Yes, 3 mor	nths
Winter	22						
D. Non-Piped Water Supply Area							
1. Necessity of Piped Water Supply					Main treatment method in domestic	None, , ,	
Necessity of					As contaminated wells (Nos.)	1,500	
Piped water	Yes				Arsenic contaminated water supply (%)	30	
Water meter	Yes				Unhygienic drinking water (%)	20	
Reasons	People war	nt water and	d they are		% of people using neighbor's well for drinking	0	
	ready to pa	y the water	bill		Problems in non-piped water supply area	Arsenic and	l iron problem,
	, ,	•				Ammonia P	olluted water
Affordability (answered by pourashava staff)				3. F	Potential Water Sources for Non-Pipe	d Water Su	ipply System
Average household income/month (Tk)	15,000				Potential water sources	<u>Evaluation</u>	WQ problems
Affordability for piped water (Tk/month)	100-150				Shallow well	N	As, Fe, Ammonia
Affordable price in total household income (%)	0.67-1				Deep well	High	Do not know
2. Exiting Water Sources in Non-Piped W	ater Suppl	y Area		i	Surface water sources	None	No pollution
Source	Nos. of source	Drinking (%)	Domestic (%)		Other sources	No	-
River	0	0	0		Decrease of ground water level		
Shallow well	5,000	100	100		Shallow well (m/year)	0.3 - 0.9	
Deep well	0	0	0		Deep well (m/year)	Not known	
Ponds	0	0	0				
Other sources	0	0	0				

Araihazar

Alulluzul							a water supply system
A. Pourashava Profile							
Class	С				Sanitation coverage		
Division	Dhaka				Latrine with septic tank (%)	5.0	
District	Narayangai	nj			Water sealed slab latrine (%)	10.0	
Year established	2012	,			Water-related diseases	, Diarrhea,	
Contact Tel/Fax	7654022					, =,	,,,
E-mail	705.022				Technical staff (Nos.)	2	
Population (FY2010/2011)	29,033				Financial statements (2010/2011)	0	
Nos. of households (FY2010/2011)	3,000				Annual budget (Tk)		
Literacy (%)	85.0				Revenue (Tk)		
Land area (km²)	8.9				Expenditure (Tk)		
Residential area (km²)	2.2				Computerization	, Accounting, 1	Frade license, Salary payment,
Residential area pop. density (persons/ha)	130				Computerization		and estimate preparation,
Electricity coverage (%)	100.0				Committee formed	Engineering, Y	early logical budget
Electricity coverage (%)	100.0				TLCC /Frequency of meeting	No	
Summer	20				WATSAN/Frequency of meeting	No	
Winter					WATSAN/Frequency of freeding	INU	
11	24						
D. Non-Piped Water Supply Area							
1. Necessity of Piped Water Supply					Main treatment method in domestic	, Boiling, , F	iltration
Necessity of					As contaminated wells (Nos.)	90	
Piped water	Yes				Arsenic contaminated water supply (%)	65	
Water meter	Yes				Unhygienic drinking water (%)	52	
Reasons	For proper	uses of wat	ter		% of people using neighbor's well for drinking	70	
					Problems in non-piped water supply area	Arsenic , Iro	on
Affordability (answered by pourashava staff)				3. F	Potential Water Sources for Non-Pipe	d Water Su	ipply System
Average household income/month (Tk)	3,000				Potential water sources	Evaluation	WQ problems
Affordability for piped water (Tk/month)	50				Shallow well	None	Arsenic
Affordable price in total household income (%)	1.67				Deep well	Moderate	Iron, Saline
2. Exiting Water Sources in Non-Piped W	ater Supply	y Area			Surface water sources	High	Do not know
Source	Nos. of source	Drinking (%)	Domestic (%)		Other sources	No	-
River	0	0	0		Decrease of ground water level		
Shallow well	241	75	70		Shallow well (m/year)	0.3	
Deep well	169	25	20		Deep well (m/year)	0.3	
Ponds	20	0	10				
Other sources	0	0	0				

Arani

Arum						tii itoii i ipe	d Water Supply System
A. Pourashava Profile							
Class	С				Sanitation coverage		
Division	Rajshahi				Latrine with septic tank (%)	10.0	
District	Rajshahi				Water sealed slab latrine (%)	65.0	
Year established	2006				Water-related diseases	, Diarrhea,	, , Dysentery,
Contact Tel/Fax	None						
E-mail	aranipaura	shava@gma	ail.com		Technical staff (Nos.)	4	
Population (FY2010/2011)	22,000				Financial statements (2010/2011)	0	
Nos. of households (FY2010/2011)	3,487				Annual budget (Tk)	55,615,000	0
Literacy (%)	80.0				Revenue (Tk)	13,615,000	0
Land area (km²)	10.9				Expenditure (Tk)	14,352,46	2
Residential area (km²)	5.3				Computerization	, , , , Rate sche	dule and estimate
Residential area pop. density (persons/ha)	41					preparation, ,	, ,
Electricity coverage (%)	85.0				Committee formed		
Electricity availability (hrs)					TLCC /Frequency of meeting	Yes, 3 mor	nths
Summer	10				WATSAN/Frequency of meeting	Yes, -	
Winter	18						
D. Non-Piped Water Supply Area							
1. Necessity of Piped Water Supply					Main treatment method in domestic	None, , ,	
Necessity of					As contaminated wells (Nos.)	None	
Piped water	Yes				Arsenic contaminated water supply (%)	0	
Water meter	Yes				Unhygienic drinking water (%)	0	
Reasons	Calculate the	actual water v	volume		% of people using neighbor's well for drinking	35	
		d the custome			Problems in non-piped water supply area	,	
	bill according	to water used	d.				
Affordability (answered by pourashava staff)				3. F	Potential Water Sources for Non-Pipe	<mark>d</mark> Water Su	ipply System
Average household income/month (Tk)	10,000				Potential water sources	Evaluation	WQ problems
Affordability for piped water (Tk/month)	(i) No idea, (ii) People	will pay according to g	ovt/Pourashava rate.		Shallow well	Moderate	N
Affordable price in total household income (%)	0.00				Deep well	-	-
2. Exiting Water Sources in Non-Piped W	ater Suppl	y Area			Surface water sources	None	Waste and chemical of fertilizer pollution
Source	Nos. of source	Drinking (%)	Domestic (%)		Other sources	Yes	-
River	1	0	10		Decrease of ground water level		
Shallow well	1,400	100	80		Shallow well (m/year)	3.5	
Deep well	0	0	0		Deep well (m/year)	Not known	
Ponds	0	0	10				
Other sources	0	0	0				

Athgharia

A. Pourashava Profile							
Class	С				Sanitation coverage		
Division	Rajshahi				Latrine with septic tank (%)	25.0	
District	Pabna				Water sealed slab latrine (%)	55.0	
Year established	2006				Water-related diseases	, Diarrhea,	, , Dysentery,
Contact Tel/Fax	Tel: 07322-	56045 (in/c	Fax)				. , , ,
E-mail			·		Technical staff (Nos.)	2	
Population (FY2010/2011)	20,516				Financial statements (2010/2011)	0	
Nos. of households (FY2010/2011)	3,206				Annual budget (Tk)	54,419,452	2
Literacy (%)	67.0				Revenue (Tk)	5,977,000	
Land area (km²)	9.5				Expenditure (Tk)	5,534,548	
Residential area (km²)	3.8				Computerization		Salary payment, Rate
Residential area pop. density (persons/ha)	54				·		estimate preparation, early logical budget
Electricity coverage (%)	65.0				Committee formed	Engineering, it	carry logical budget
Electricity availability (hrs)					TLCC /Frequency of meeting	No	
Summer	7				WATSAN/Frequency of meeting	No	
Winter	12				, , ,		
D. Non-Piped Water Supply Area							
1. Necessity of Piped Water Supply					Main treatment method in domestic	None, , ,	
Necessity of					As contaminated wells (Nos.)	None	
Piped water	Yes				Arsenic contaminated water supply (%)	0	
Water meter	No				Unhygienic drinking water (%)	0	
Reasons					% of people using neighbor's well for drinking	0	
					Problems in non-piped water supply area		awdown water table not near the
						available.,	ause summer season water not
Affordability (answered by pourashava staff)				3. F	Potential Water Sources for Non-Piped	Water Su	pply System
Average household income/month (Tk)	6,000				Potential water sources	Evaluation	WQ problems
Affordability for piped water (Tk/month)	150				Shallow well	Moderate	No problem
Affordable price in total household income (%)	2.50				Deep well	-	-
2. Exiting Water Sources in Non-Piped W	ater Supply	/ Area			Surface water sources	-	-
Source	Nos. of source	Drinking (%)	Domestic (%)		Other sources	No	-
River	0	0	0		Decrease of ground water level		
Shallow well	2,217	100	69		Shallow well (m/year)	0.5	
Deep well	0	0	0		Deep well (m/year)	Not known	
Ponds	120	0	30				
Other sources	12	0	1				

Badarganj

Budurgurij					***	in Non Fipe	u water supply system
A. Pourashava Profile							
Class	В				Sanitation coverage		
Division	Rangpur				Latrine with septic tank (%)	20.0	
District	Rangpur				Water sealed slab latrine (%)	60.0	
Year established	1999				Water-related diseases	. Diarrhea.	, , Dysentery,
Contact Tel/Fax	Tel: 05222-	56219				, ,	,, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
E-mail					Technical staff (Nos.)	2	
Population (FY2010/2011)	36,097				Financial statements (2010/2011)	0	
Nos. of households (FY2010/2011)	5,200				Annual budget (Tk)	34,360,26	7
Literacy (%)	65.0				Revenue (Tk)	17,671,376	
Land area (km²)	6.8				Expenditure (Tk)	13,948,220	
Residential area (km²)	3.4				Computerization		dule and estimate
Residential area pop. density (persons/ha)	106				Compacenzation		ngineering, Yearly logical
Electricity coverage (%)	80.0				Committee formed	budget prepar	ation, ,
Electricity availability (hrs)	00.0				TLCC /Frequency of meeting	Yes, 3 mor	nths
Summer	15				WATSAN/Frequency of meeting	Yes, 3 mor	
Winter	20				To the state of th	. 65, 56.	
1111100							
D. Non-Piped Water Supply Area							
1. Necessity of Piped Water Supply					Main treatment method in domestic	None, , ,	
Necessity of	.,				As contaminated wells (Nos.)	No data	
Piped water	Yes				Arsenic contaminated water supply (%)	0	
Water meter	Yes				Unhygienic drinking water (%)	No data	
Reasons	 To calculate the property 				% of people using neighbor's well for drinking	5	
	- To dentify the				Problems in non-piped water supply area		e area, The depth of
							is not enough
Affordability (answered by pourashava staff)				3. F	Potential Water Sources for Non-Pipe	1	
Average household income/month (Tk)	8,000				Potential water sources	Evaluation	
, , , , , ,	100				Shallow well	None	Iron is some area
Affordable price in total household income (%)	1.25				Deep well	-	-
2. Exiting Water Sources in Non-Piped Wa		•		1	Surface water sources	-	-
Source	Nos. of source	Drinking (%)	Domestic (%)		Other sources	No	-
River	0	0	0		Decrease of ground water level		
Shallow well	4,900	100	100		Shallow well (m/year)	0.9	
Deep well	0	0	0		Deep well (m/year)	Not known	
Ponds	10	0	0				
Other sources	0	0	0				
					·		

A. Pourashava Profile

A. Pourashava Profile							
Class	С				Sanitation coverage		
Division	Rajshahi				Latrine with septic tank (%)	25.0	
District	Natore				Water sealed slab latrine (%)	55.0	
Year established	2004				Water-related diseases	, Diarrhea, ,	, Dysentery,
Contact Tel/Fax	Tel: 07722-	-72032					
E-mail					Technical staff (Nos.)	6	
Population (FY2010/2011)	18,000				Financial statements (2010/2011)	0	
Nos. of households (FY2010/2011)	2,860				Annual budget (Tk)	81,385,788	
Literacy (%)	95.0				Revenue (Tk)	5,335,196	
Land area (km²)	10.4				Expenditure (Tk)	5,355,000	
Residential area (km²)	5.2				Computerization	, , , , Rate schedu	ule and estimate
Residential area pop. density (persons/ha)	35					preparation, , , ,	
Electricity coverage (%)	100.0				Committee formed		
Electricity availability (hrs)					TLCC /Frequency of meeting	Yes, 3 mont	hs
Summer	10				WATSAN/Frequency of meeting	Yes, 3 mont	hs
Winter	18						
D. Non-Piped Water Supply Area							
1. Necessity of Piped Water Supply					Main treatment method in domestic	None, , ,	
Necessity of					As contaminated wells (Nos.)	None	
Piped water	Yes				Arsenic contaminated water supply (%)	0	
Water meter	Yes				Unhygienic drinking water (%)	0	
Reasons		water consumpti	on by household.		% of people using neighbor's well for drinking	30	
	 Reduce of waste Known, how mu 	water. Ich water product	and used to		Problems in non-piped water supply area	Water level i	s declining in the dry
	consumers.					season., Iron	, arsenic
Affordability (answered by pourashava staff)				3. P	Potential Water Sources for Non-Pipe	d Water Sup	oply System
Average household income/month (Tk)	15,000				Potential water sources	Evaluation	WQ problems
Affordability for piped water (Tk/month)	(i) No idea, (ii) Peop	le will pay according	to govt/Pourashava r	ate.	Shallow well	Modereate 0)
Affordable price in total household income (%)	0.00				Deep well	- ()
2. Exiting Water Sources in Non-Piped W	ater Suppl	y Area			Surface water sources	- ()
Source	Nos. of source	Drinking (%)	Domestic (%)		Other sources	Yes ()
River	0	0	0		Decrease of ground water level		
Shallow well	1,800	100	0		Shallow well (m/year)	2.0	
Deep well	0	0	0		Deep well (m/year)	Not known	
Ponds	0	0	0				
Other sources	0	0	0				

Baaha

вадпа						ui Noii-ripe	d water supply system
A. Pourashava Profile							
Class	В				Sanitation coverage		
Division	Rajshahi				Latrine with septic tank (%)	10.0	
District	Rajshahi				Water sealed slab latrine (%)	75.0	
Year established	1999				Water-related diseases	, Diarrhea,	, , Dysentery,
Contact Tel/Fax	Tel: 07233-	56062					
E-mail					Technical staff (Nos.)	4	
Population (FY2010/2011)	51,000				Financial statements (2010/2011)	0	
Nos. of households (FY2010/2011)	6,585				Annual budget (Tk)	19,031,410	
Literacy (%)	63.0				Revenue (Tk)	8,731,410	
Land area (km²)	11.8				Expenditure (Tk)	19,314,070	
Residential area (km²)	6.8				Computerization		nagement, Accounting, Trade
Residential area pop. density (persons/ha)	75						schedule and estimate ngineering, Yearly logical
Electricity coverage (%)	80.0				Committee formed	preparation, E	ngineering, rearry logical
Electricity availability (hrs)					TLCC /Frequency of meeting	Yes, 3 mon	iths
Summer	12				WATSAN/Frequency of meeting	No	
Winter	22						
D. Non-Piped Water Supply Are	a						
1. Necessity of Piped Water Supply					Main treatment method in domestic	None, , ,	
Necessity of					As contaminated wells (Nos.)	None	
Piped water	Yes				Arsenic contaminated water supply (%)	0	
Water meter	Yes				Unhygienic drinking water (%)	N	
Reasons	- To save the was				% of people using neighbor's well for drinking	40	
		ill preparation for ue income of the v			Problems in non-piped water supply area	,	
Affordability (answered by pourashava sta	ff)			3. F	Potential Water Sources for Non-Pipe	d Water Su	· · · · ·
Average household income/month (TI	10,000				Potential water sources	<u>Evaluation</u>	WQ problems
Affordability for piped water (Tk/mon	th) (i) No idea, (ii) Peop	le will pay according	to govt/Pourashava r	ate.	Shallow well	Moderate	No problem
Affordable price in total household income (%)	0.00				Deep well	-	-
2. Exiting Water Sources in Non-Pipe	<mark>l W</mark> ater Suppl	y Area			Surface water sources	-	-
Source	Nos. of source	Drinking (%)	Domestic (%)		Other sources	Yes	-
River	0	0	0		Decrease of ground water level		
Shallow well	2,501	100	95		Shallow well (m/year)	Not known	
Deep well	0	0	0		Deep well (m/year)	Not known	
Ponds	0	0	5				
Other sources	0	0	0				

Baghaichari

A.	. Pourashava Profile							
	Class	С				Sanitation coverage		
	Division	Chittagong				Latrine with septic tank (%)	15.0	
	District	Rangamati				Water sealed slab latrine (%)	20.0	
	Year established	2004				Water-related diseases	, Diarrhea,	, Typhoid, Dysentery,
	Contact Tel/Fax	0						
	E-mail					Technical staff (Nos.)	4	
	Population (FY2010/2011)	30,000				Financial statements (2010/2011)	0	
	Nos. of households (FY2010/2011)	3,224				Annual budget (Tk)	5,346,716	
	Literacy (%)	80.0				Revenue (Tk)	2,412,096	
	Land area (km²)	22.9				Expenditure (Tk)	2,315,323	
	Residential area (km²)	6.0				Computerization		dule and estimate
	Residential area pop. density (persons/ha)	50						ngineering, Yearly logical ation, Procurement,
	Electricity coverage (%)	75.0				Committee formed		,
	Electricity availability (hrs)					TLCC /Frequency of meeting	Yes, 3 mor	nths
	Summer	6				WATSAN/Frequency of meeting	No	
	Winter	8						
D.	Non-Piped Water Supply Area							
1.	Necessity of Piped Water Supply					Main treatment method in domestic	None, , ,	
	Necessity of					As contaminated wells (Nos.)	Do not kno	W
	Piped water	Yes				Arsenic contaminated water supply (%)	Do not kno	W
	Water meter	Yes				Unhygienic drinking water (%)	Do not kno	W
	Reasons	To prevent	from wasta	age of		% of people using neighbor's well for drinking	40	
		water.To e	arn money.			Problems in non-piped water supply area		pourashava area contains iron,
							Sometimes tube	wells become out of order
	Affordability (answered by pourashava staff)				3. F	Potential Water Sources for Non-Pipe	<mark>d</mark> Water Su	ipply System
	Average household income/month (Tk)	6,000				Potential water sources	<u>Evaluation</u>	WQ problems
	Affordability for piped water (Tk/month)	120				Shallow well	Moderate	Iron
	Affordable price in total household income (%)	2.00				Deep well	Moderate	Iron
2.	Exiting Water Sources in Non-Piped W	ater Suppl	y Area			Surface water sources	Moderate	Turbidity
	Source	Nos. of source	Drinking (%)	Domestic (%)		Other sources	No	-
	River	1	0	25		Decrease of ground water level		
	Shallow well	140 80 48			Shallow well (m/year)			
	Deep well	8	5	2		Deep well (m/year)	0.1	
	Ponds	10	0	20				
	Other sources	30	15	5				

Bagherpara

1. Necessity of Piped Water Supply Necessity of Piped water Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordability for piped water (Tk/month) Affordability for piped water (K) Affordability for piped water (K) Affordability for piped water (Tk/month) Affordable price in total household income (%) Do not know Ansenic contaminated water supply (%) Unhygienic drinking water (%) Vo of people using neighbor's well for drinking problems in non-piped water supply area Iron, Potential Water Sources for Non-Piped Water Supply System Affordability for piped water (Tk/month) Affordable price in total household income (%) Do not know 3. Potential Water Sources for Non-Piped Water Supply System Potential water sources Shallow well Deep well High None, , , Arsenic contaminated wells (Nos.) Do not know Unhygienic drinking water (%) % of people using neighbor's well for drinking problems in non-piped water supply area Iron,	вадпеграга					VVI	tn Non-Pipe	ed Water Supply System
Division District District District District District District Vear established 2002 Contact Tel/Fax E-mail Population (FY2010/2011) 11,748 Population (FY2010/2011) Nos. of households (FY2010/2011) Literacy (%) 68.0 Land area (km²) Residential area pop. density (persons/ha) Resident	A. Pourashava Profile							
District Vear established Contact Tel/Fax E-mail Population (FY2010/2011) Nos. of households (FY2010/2011) 1,865 Literacy (%) Land area (km²) Residential area (km²) Residential area pop. density (persons/ha) Electricity availability (prsons/ha) Electricity availability (prsons/ha) Electricity availability (prsons/ha) Financial statements (2010/2011) Residential area (km²) Residential area (km²) Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordability for piped water (Tk/mo	Class	С				Sanitation coverage		
Vear established Contact Tel/Fax Tel: 0423-56050, Mob: 01718-562178	Division				Latrine with septic tank (%)	15.0		
Vear established Contact Tel/Fax Tel: 0423-56050, Mob: 01718-562178	District	Jessore				Water sealed slab latrine (%)	60.0	
Contact Tel/Fax	Year established	2002					, Diarrhea,	.,,,
Population (FY2010/2011) 11,748 Financial statements (2010/2011) 0 Nos. of households (FY2010/2011) 1,865 Annual budget (Tk) 33,446,274 Literacy (%) 68.0 Revenue (Tk) 4,950,000 Land area (km²) 3.1 Expenditure (Tk) 4,764,000 Residential area opo. density (persons/ha) 68 Expenditure (Tk) 4,764,000 Residential area pop. density (persons/ha) 68 Electricity coverage (%) 100.0 Computerization ,, Rate schedule and estimate preparation, Engineering, , Electricity availability (hrs)	Contact Tel/Fax	Tel : 04223-56	5050, Mob : 0	1718-562178				
Population (FY2010/2011) 11,748 Nos. of households (FY2010/2011) 1,865 Literacy (%) 68.0 Revenue (TK) 4,950,000 Land area (km²) 3.1 Expenditure (TK) 4,764,000 Residential area (km²) 1.7 Residential area pop. density (persons/ha) 68 Electricity coverage (%) 100.0 Computerization ,,, Rate schedule and estimate preparation, Engineering,, Engineering, Summer 10 WartsAN/Frequency of meeting WATSAN/Frequency of meeting Yes, 2 months D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Yes Reasons	E-mail					Technical staff (Nos.)	4	
Nos. of households (FY2010/2011) 1,865 Literacy (%) 68.0 Revenue (Tk) 4,950,000 Land area (km²) 3.1 Residential area (km²) 1.7 Residential area (km²) 1.7 Computerization ,,, Rate schedule and estimate preparation, Engineering.,, Paragraphic, Expenditure (Tk) 4,950,000 Expenditure (Tk) 4,950,000 Computerization ,,, Rate schedule and estimate preparation, Engineering.,, Rate schedule and estimate preparation, Engineering.,	Population (FY2010/2011)	11,748				· · · · · · · · · · · · · · · · · · ·	0	
Literacy (%) Land area (km²) Residential area (km²) Residential area (km²) Residential area (km²) 1.7 Residential area (km²) Residential area (km²) Residential area pop, density (persons/ha) Electricity coverage (%) Electricity availability (hrs) Summer Winter 10 Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Piped water Reasons Piped water Reasons Affordability (answered by pourashava staff) Affordability (answered by poura		1,865				· · · · · · · · · · · · · · · · · · ·	33,446,27	4
Land area (km²) Residential area (km²) Residential area pop. density (persons/ha) Electricity coverage (%) Summer Winter 10 Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped Water Yes Reasons Piped water Personant bow which was do f water in the consumer and how much deliver to household. Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordabile price in total household income (%) Source Nos. of source Densking (%) Demestic (%) Domestic (%) Shallow well Deep well 1 1 0 At fordabil (m/year) Doep well (m/year) Not known	The state of the s	68.0				3 , ,	4,950,000	
Residential area (km²) Residential area pop. density (persons/ha) Electricity coverage (%) Summer Winter 10 Non-Piped Water Supply Area 1. Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (TK) Affordability (answered by pourashava staff) Affordability (answered by pourashava staff) Affordability for piped water (Tk/month) Affordabile price in total household income (%) Source Nos. of Source River Source Nos. of Source Nos. o						` '		
Residential area pop. density (persons/ha) Electricity coverage (%) Electricity availability (hrs) Summer Winter 18 D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Reasons -For actual billing of water sectionWe known to how much used of water in the consumer and how much deliver to household. Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordabile price in total household income (%) Do not know 2. Exiting Water Sources in Non-Piped Water Supply Area Source Nos. of source Nos. of source Pinking (%) Deep well Problems in non-piped water level Shallow well Polinking (%) Deep well Polinking (%) Deep well Polinking (%) Deep well (m/year) No Not know None, , , Affordabile price in total household income (%) Deep well (m/year) No Not know None, , , Affordabile price in total household income (%) Deep well (m/year) No Not know Not Room Water Supply Area Problems in non-piped Water Supply System Surface water sources Poerrease of ground water level Shallow well No Not known	1 1	1.7					Rate sche	dule and estimate
Electricity coverage (%) Electricity availability (hrs) Summer Winter 10 Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons - For actual billing of water section We known to how much used of water in household. Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordabile price in total household income (%) Do not know Do n	` '					The second secon		
Electricity availability (hrs) Summer Winter 10 Winter 10 WATSAN/Frequency of meeting WESAN/Frequency of meeting Yes, 2 months None,,, As contaminated wells (Nos.) Do not know Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area Iron, 3. Potential Water Sources for Non-Piped Water Supply System Potential water sources Evaluation WOQ problems Shallow well Moderate Iron Deep well High NO Other sources Poterase of ground water level Shallow well (m/year) 1.0 Deep well (m/year) Not known		100.0				Committee formed		
Summer Winter 18 D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Yes Water meter Yes Reasons - For actual billing of water section We known to how much used of water in the consumer and how much deliver to household. Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) Do not know Do	, , ,					TLCC /Frequency of meeting	No	
D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Piped water Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) Do not know Problems in non-piped water supply area Iron, Shallow well Deep well Deep well Deep well Deep well Deep well Deep well Not known	7 7 7	10					Yes, 2 mor	nths
1. Necessity of Piped Water Supply Necessity of Piped water Piped water Piped water Piped water Piped water Reasons Por actual billing of water section. We known to how much used of water in the consumer and how much deliver to household. Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordability for piped water (Tk/month) Affordability for piped water (Tk/month) Affordability for piped water Supply Area Source River O 0 0 10 Shallow well Deep well Pinking (%) Domestic (%) Shallow well (m/year) None, , , Do not know Unhygienic drinking water (%) Water Supply System Potential Water Sources for Non-Piped Water Supply System Potential water sources Shallow well Deep well High N Surface water sources Piroking (%) Domestic (%) Domestic (%) Domestic (%) Shallow well (m/year) Not known								
Necessity of Piped water Yes Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordability for piped water (Tk/month) Affordable price in total household income (%) Do not know 2. Exiting Water Sources River Source River Shallow well Deep well As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) Vo of people using neighbor's well for drinking Yes Vo of people using neighbor's well for drinking	D. Non-Piped Water Supply Area							
Piped water Water meter Yes Water meter Reasons -For actual billing of water sectionWe known to how much used of water in the consumer and how much deliver to household. Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordabile price in total household income (%) Do not know Potential Water Sources for Non-Piped Water Supply System Potential water sources Shallow well Moderate Iron Deep well High N Surface water sources High No problem Other sources Press - Decrease of ground water level Shallow well (m/year) Deep well (m/year) Not known	1. Necessity of Piped Water Supply					Main treatment method in domestic	None, , ,	
Water meter Reasons -For actual billing of water sectionWe known to how much used of water in the consumer and how much deliver to household. Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordability for piped water (Tk/month) Affordabile price in total household income (%) Do not know 2. Exiting Water Sources in Non-Piped Water Supply Area Source Nos. of source River O 0 0 10 Shallow well 1,200 99 85 Deep well Chryslenic drinking water (%) % of people using neighbor's well for drinking problems in non-piped water supply area lron, **Optential Water Sources for Non-Piped Water Supply System Potential water sources Evaluation WQ problems Shallow well Moderate Iron Deep well High N Surface water sources High No problem Other sources Other sources Shallow well (m/year) Deep well (m/year) Not known	Necessity of					As contaminated wells (Nos.)	Do not kno	w
Water meter Reasons -For actual billing of water sectionWe known to how much used of water in the consumer and how much deliver to household. Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordability for piped water (Tk/month) Affordabile price in total household income (%) Do not know 2. Exiting Water Sources in Non-Piped Water Supply Area Source Nos. of source River O 0 0 10 Shallow well 1,200 99 85 Deep well Chryslenic drinking water (%) % of people using neighbor's well for drinking problems in non-piped water supply area lron, **Optential Water Sources for Non-Piped Water Supply System Potential water sources Evaluation WQ problems Shallow well Moderate Iron Deep well High N Surface water sources High No problem Other sources Other sources Shallow well (m/year) Deep well (m/year) Not known		Yes				` ,	Do not kno	w
Reasons - For actual billing of water section We known to how much used of water in the consumer and how much deliver to household. Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordability for piped water (Tk/month) Affordabile price in total household income (%) Do not know 2. Exiting Water Sources in Non-Piped Water Supply Area Source Nos. of source Nos. of source Nos. of source Shallow well 1,200 99 85 Deep well 1 1 0 Not know Deep well (m/year) Deep well (m/year) Not know Not	· ·	Yes				11,71,7	Do not kno	w
Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Do not know Do not know Do not know Do not know Shallow well Deep well Moderate Iron Deep well High No problems Shallow well Moderate Iron, WQ problems Shallow well Deep well No problem Other sources Yes Decrease of ground water level Shallow well (m/year) Shallow well (m/year) Deep well (m/year) Not known	Reasons	- For actual billi	ng of water sec	tion.		, ,	20	
Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordability for piped water (Tk/month) Affordability for piped water (Tk/month) Do not know 2. Exiting Water Sources in Non-Piped Water Supply Area Source River O 0 0 10 Shallow well Deep well Deep well Affordability (answered by pourashava staff) No not know Do not know Do not know Do not know Shallow well Deep well Aligh No problem Other sources Potential water sources Evaluation WQ problems Shallow well High N Surface water sources High No problem Other sources Other sources Potential water sources Fival water Supply System Other sources Decrease of ground water level Shallow well (m/year) Deep well (m/year) Not known						Problems in non-piped water supply area	Iron,	
Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordabile price in total household income (%) Do not know Do not know Do not know Do not know 2. Exiting Water Sources in Non-Piped Water Supply Area Source Nos. of source Protential water sources Shallow well Moderate Iron Deep well High N Surface water sources High No problem Other sources Other sources Shallow well (m/year) Deep well (m/year) Not know			nd how much d	leliver to				
Affordability for piped water (Tk/month) Do not know Do not know Do not know Deep well Shallow well Deep well Moderate Iron Deep well High N Surface water sources High No problem Other sources Yes Decrease of ground water level Shallow well (m/year) Deep well (m/year) Not known	Affordability (answered by pourashava staff)				3. P	Otential Water Sources for Non-Pipe	d Water Su	ipply System
Affordable price in total household income (%) Do not know Deep well Deep well Deep well Deep well Deep well High N Surface water sources High No problem Other sources Yes Decrease of ground water level Shallow well Deep well 1 1 0 Deep well (m/year) Not known	Average household income/month (Tk)	12,000				Potential water sources	Evaluation	WQ problems
2. Exiting Water Sources in Non-Piped Water Supply Area Source Nos. of source River Shallow well 1,200 99 85 Deep well 1 1 0 Section Surface water sources High No problem Other sources Yes Decrease of ground water level Shallow well (m/year) Deep well (m/year) Not known	Affordability for piped water (Tk/month)	Do not kno	w			Shallow well	Moderate	Iron
Source Nos. of source Drinking (%) Domestic (%) River 0 0 10 Shallow well 1,200 99 85 Deep well 1 1 0 Deep well (m/year) 1.0 Not known	Affordable price in total household income (%)	Do not kno	w			Deep well	High	N
River 0 0 10 Decrease of ground water level Shallow well 1,200 99 85 Shallow well (m/year) 1.0 Deep well 1 1 0 Deep well (m/year) Not known	2. Exiting Water Sources in Non-Piped W	ater Supply	/ Area			Surface water sources	High	No problem
Shallow well 1,200 99 85 Shallow well (m/year) 1.0 Deep well 1 1 0 Deep well (m/year) Not known	Source	Nos. of source	Drinking (%)	Domestic (%)		Other sources	Yes	-
Deep well (m/year) Not known	River	0	0	10		Decrease of ground water level		
	Shallow well	1,200	99	85		, , , ,	1.0	
Ponds 0 0 5	Deep well	1	1	0		Deep well (m/year)	Not known	
	Ponds	0	0	5				
Other sources 0 0 0	Other sources	0	0	0				

Banaripara

A.	Pourashava Profile							
	Class	С				Sanitation coverage		
	Division	Barisal				Latrine with septic tank (%)	50.0	
	District	Barisal				Water sealed slab latrine (%)	40.0	
	Year established	1990				Water-related diseases	Arsenicosis	s, , Cholera, Typhoid, ,
	Contact Tel/Fax	043325616	8, 0171276	5296				
	E-mail					Technical staff (Nos.)	10	
	Population (FY2010/2011)	18,185				Financial statements (2010/2011)	0	
	Nos. of households (FY2010/2011)	3,200				Annual budget (Tk)	12,848,97	7
	Literacy (%)	80.0				Revenue (Tk)	5,824,902	
	Land area (km²)	3.0				Expenditure (Tk)	3,840,752	
	Residential area (km²)	1.7				Computerization		
	Residential area pop. density (persons/ha)	110				·	,,,,,,,,	
	Electricity coverage (%)	100.0				Committee formed		
	Electricity availability (hrs)					TLCC /Frequency of meeting	Yes, 3 mor	nths
	Summer	13				WATSAN/Frequency of meeting	No	
	Winter	18				, , ,		
D.	Non-Piped Water Supply Area							
1.	Necessity of Piped Water Supply					Main treatment method in domestic	, Boiling, , F	iltration
	Necessity of					As contaminated wells (Nos.)	0	
	Piped water	Yes				Arsenic contaminated water supply (%)	0	
	Water meter	Yes				Unhygienic drinking water (%)	15	
	Reasons	To protect t	he misuse of	water, For		% of people using neighbor's well for drinking	5	
		actual meas	urement of l	oilling		Problems in non-piped water supply area		ow tube well is polluted &
		system,					contaminated, so in tubewell wate	carcity of drinking water, few iron r
	Affordability (answered by pourashava staff)				3. F	Potential Water Sources for Non-Piped	Water Su	ipply System
	Average household income/month (Tk)	12,000				Potential water sources	Evaluation	WQ problems
	Affordability for piped water (Tk/month)	300				Shallow well	Moderate	Iron, bacteria and other impurities
	Affordable price in total household income (%)	2.50				Deep well	High	Iron, Some bad smell and few hardness etc.
2.	Exiting Water Sources in Non-Piped W	ater Suppl	y Area			Surface water sources	Moderate	Various type of impurities, odor, garbase
	Source	Nos. of source	Drinking (%)	Domestic (%)		Other sources	Yes	-
	River	2	0	10		Decrease of ground water level		
	Shallow well	108	15	85		Shallow well (m/year)	0.6	
	Deep well	260	85	0		Deep well (m/year)	0.3	
	Ponds	21	0	5				
	Other sources	0	0	0				

Banskhali

Duliskiiuli					***	iii ivoii i ipc	a water supply system
A. Pourashava Profile							
Class	В				Sanitation coverage		
Division	Chittagong				Latrine with septic tank (%)	20.0	
District	Chittagong				Water sealed slab latrine (%)	65.0	
Year established	2002				Water-related diseases	, Diarrhea,	, , Dysentery,
Contact Tel/Fax	303756111						. , , ,
E-mail	shahid cv4	1@yahoo.c	om		Technical staff (Nos.)	4	
Population (FY2010/2011)	42,632	-,			Financial statements (2010/2011)	0	
Nos. of households (FY2010/2011)	6,490				Annual budget (Tk)	15,034,683	3
Literacy (%)	75.0				Revenue (Tk)	15,034,683	3
Land area (km²)	28.4				Expenditure (Tk)	14,611,413	3
Residential area (km²)	13.9				Computerization		anagement, Accounting, Trade
Residential area pop. density (persons/ha)	31				·		schedule and estimate ngineering, Yearly logical
Electricity coverage (%)	75.0				Committee formed	preparation, E	ingineering, rearry logical
Electricity availability (hrs)					TLCC /Frequency of meeting	Yes, 3 mor	iths
Summer	4				WATSAN/Frequency of meeting	Yes, 2 mor	iths
Winter	10						
D. Non-Piped Water Supply Area							
1. Necessity of Piped Water Supply					Main treatment method in domestic	, Boiling, , F	iltration
Necessity of					As contaminated wells (Nos.)	0	
Piped water	Yes				Arsenic contaminated water supply (%)	0	
Water meter	Yes				Unhygienic drinking water (%)	12	
Reasons	To use supp	ply water pe	erfectly		% of people using neighbor's well for drinking	20	
	and to cont	trol misuse	of water.		Problems in non-piped water supply area	The water of	ontains irons.,
Affordability (answered by pourashava staff)				3. F	Potential Water Sources for Non-Pipe	d Water Su	pply System
Average household income/month (Tk)	12,000				Potential water sources	<u>Evaluation</u>	WQ problems
Affordability for piped water (Tk/month)	480				Shallow well	Moderate	Iron
Affordable price in total household income (%)	4.00				Deep well	High	Fe
2. Exiting Water Sources in Non-Piped W	ater Suppl	y Area			Surface water sources	-	-
Source	Nos. of source	Drinking (%)	Domestic (%)		Other sources	No	-
River	0	0	0		Decrease of ground water level		
Shallow well	250	30	70		Shallow well (m/year)	2.0	
Deep well	65	70	15		Deep well (m/year)	1.0	
Ponds	105	0	15				
Other sources	0	0	0				

Baraiarhat

A. Pourashava Profile							
Class	Α			Sanitation coverage			
Division	Chittagong			Latrine with septic tank (%)	40.0		
District	Chittagong			Water sealed slab latrine (%)	35.0		
Year established	2000			Water-related diseases	Arsenicosis, Diarrhea, , Typhoid, ,		
Contact Tel/Fax	1824626012						
E-mail				Technical staff (Nos.)	5		
Population (FY2010/2011)	11,327			Financial statements (2010/2011)	0		
Nos. of households (FY2010/2011)	2,709			Annual budget (Tk)	63,100,000		
Literacy (%)	70.0			Revenue (Tk)	11,590,497		
Land area (km²)	2.1			Expenditure (Tk)	23,113,106		
Residential area (km²)	1.1			Computerization		ment, Accounting, Trade	
Residential area pop. density (persons/ha)	106	106				ent, Rate schedule and	
Electricity coverage (%)	100.0	100.0		Committee formed	estimate preparatio	ii, Eligilleerilig, , ,	
Electricity availability (hrs)				TLCC /Frequency of meeting	Yes, 1 month		
Summer	4			WATSAN/Frequency of meeting	No		
Winter	10			5 , 54,55 2,5			
D. Non-Piped Water Supply Area							
1. Necessity of Piped Water Supply				Main treatment method in domestic	None, , ,		
Necessity of				As contaminated wells (Nos.)	400		
Piped water	Yes			Arsenic contaminated water supply (%)	90		
Water meter	Yes			Unhygienic drinking water (%)	10		
Reasons	To use supp	ly water per	fectly and to	% of people using neighbor's well for drinking	50		
	save water f	rom misuse.		Problems in non-piped water supply area		on shallow wells., Shallow	
					wells are contamina	ted by human waste.	
Affordability (answered by pourashava staff)				3. Potential Water Sources for Non-Pipe	d Water Suppl	y System	
Average household income/month (Tk)	8,000			Potential water sources	<u>Evaluation</u>	WQ problems	
Affordability for piped water (Tk/month)	250			Shallow well	Moderate	Arsenic and bacteria	
Affordable price in total household income (%)	3.12			Deep well	High	Not known	
2. Exiting Water Sources in Non-Piped W	ater Supply Area			Surface water sources	High	No problem	
Source	Nos. of source	Drinking (%)	Domestic (%)	Other sources	No	-	
River	0	0	0	Decrease of ground water level			
Shallow well	500	80	80	Shallow well (m/year)	0.2		
Deep well	40	20	20	Deep well (m/year)	2.0		
Ponds	25	0	0		0.0		
Other sources	0	0	0				

Baraigram

buruigruiii						ттен тон тр	ed Water Supply System	
A. Pourashava Profile								
Class	В				Sanitation coverage			
Division	Rajshahi				Latrine with septic tank (%)	30.0		
District	Natore				Water sealed slab latrine (%)	55.0		
Year established	2004				Water-related diseases	, Diarrhea, , , D	ysentery,	
Contact Tel/Fax	0							
E-mail	sarkar_han	nan@yaho	o.com		Technical staff (Nos.)	9		
Population (FY2010/2011)	19,243				Financial statements (2010/2011)	0		
Nos. of households (FY2010/2011)	4,556				Annual budget (Tk)	44,438,922		
Literacy (%)	67.0				Revenue (Tk)	12,133,182		
Land area (km²)	11.8				Expenditure (Tk)	19,806,932		
Residential area (km²)	6.5				Computerization	, , , Salary payment,	Rate schedule and estimate	
Residential area pop. density (persons/ha)	30					preparation, , Yearly	logical budget preparation, ,	
Electricity coverage (%)	70.0				Committee formed			
Electricity availability (hrs)					TLCC /Frequency of meeting	Yes, 3 months		
Summer	12				WATSAN/Frequency of meeting	Yes, 6 months		
Winter	20	20						
D. Non-Piped Water Supply Area								
1. Necessity of Piped Water Supply					Main treatment method in domestic	None, , ,		
Necessity of					As contaminated wells (Nos.)	None		
Piped water	Yes				Arsenic contaminated water supply (%)	0		
Water meter	Yes				Unhygienic drinking water (%)	0		
Reasons		educe waste wa	ter in		% of people using neighbor's well for drinking	No data		
	household - To consumed	the water calcu	late in the		Problems in non-piped water supply area		lining about 2 m in the dry	
		d accordingly pa				season., Iron		
Affordability (answered by pourashava staff)				3. F	Potential Water Sources for Non-Pipe	Water Suppl	y System	
Average household income/month (Tk)	12,000				Potential water sources	<u>Evaluation</u>	WQ problems	
Affordability for piped water (Tk/month)	(i) No idea,	(ii) People	will pay acc	ordii	Shallow well	None	N	
Affordable price in total household income (%)	0.00				Deep well	-	-	
2. Exiting Water Sources in Non-Piped W	ater Suppl	y Area			Surface water sources	-	-	
Source	Nos. of source	Drinking (%)	Domestic (%)		Other sources	Yes	-	
River	0	0	2		Decrease of ground water level			
Shallow well	3,000	100	95		Shallow well (m/year)	Not known		
Deep well	0	0	0		Deep well (m/year)	Not known		
Ponds	0	0	3					
Other sources	0	0	0					

Barlekha

A. Pourashava Profile								
Class	В				Sanitation coverage			
Division	Sylhet				Latrine with septic tank (%)	68.0		
District	Moulavibazar				Water sealed slab latrine (%)	20.0		
Year established	2001				Water-related diseases	, Diarrhea, , Typhoid, Dysentery,		
Contact Tel/Fax	08622 - 560028							
E-mail					Technical staff (Nos.)	4		
Population (FY2010/2011)	40,000				Financial statements (2010/2011)	0		
Nos. of households (FY2010/2011)	2,100				Annual budget (Tk)	139,362,61	L4	
Literacy (%)	60.0				Revenue (Tk)	42,351,103	3	
Land area (km²)	9.5				Expenditure (Tk)	38,130,000		
Residential area (km²)	2.9				Computerization	, , , , Rate sche	dule and estimate	
Residential area pop. density (persons/ha)	136	136				preparation, , ,	,	
Electricity coverage (%)	60.0	60.0			Committee formed			
Electricity availability (hrs)					TLCC /Frequency of meeting	Yes, 3 months		
Summer	10				WATSAN/Frequency of meeting	Yes, 6 months		
Winter	20	20						
D. Non-Piped Water Supply Area								
1. Necessity of Piped Water Supply				Main treatment method in domestic	, Boiling, , F	iltration		
Necessity of					As contaminated wells (Nos.)	75		
Piped water	Yes				Arsenic contaminated water supply (%)	5		
Water meter	Yes				Unhygienic drinking water (%)	5		
Reasons	Water wastage w getting benefit to		,		% of people using neighbor's well for drinking	25		
	supply & also find				Problems in non-piped water supply area	Ground wat	ter contains iron &	
						arsenics, Sc	arcity of pure water.	
Affordability (answered by pourashava staff)				3. F	Potential Water Sources for Non-Piped	Water Su	pply System	
Average household income/month (Tk)	20,000				Potential water sources	<u>Evaluation</u>	WQ problems	
Affordability for piped water (Tk/month)	150			Shallow well	Moderate	High conc. of iron		
Affordable price in total household income (%)	0.75			Deep well	Moderate	Less conc. of iron (0.01 to 0.025 mr/L)		
2. Exiting Water Sources in Non-Piped W	ater Supply Area			Surface water sources	-	-		
Source	Nos. of source Drinking (%) Domestic (%)			Other sources	No	-		
River	0	0	0		Decrease of ground water level			
Shallow well	800 35 30			Shallow well (m/year)	0.9			
Deep well	200	25	20		Deep well (m/year)	0.3		
Ponds	150	15	35					
Other sources	30	25	15					

Bashail

Bustian								
A. Pourashava Profile								
Class	С	C			Sanitation coverage			
Division	Dhaka				Latrine with septic tank (%)	20.0		
District	Tangail				Water sealed slab latrine (%)	75.0		
Year established	2011				Water-related diseases	Arsenicosi	s, Diarrhea, , , ,	
Contact Tel/Fax	09222-560	01,09222-5	6146.					
E-mail		•			Technical staff (Nos.)	4		
Population (FY2010/2011)	27,575				Financial statements (2010/2011)	0		
Nos. of households (FY2010/2011)	4,560				Annual budget (Tk)	New pour	ashava	
Literacy (%)	63.0				Revenue (Tk)	New pour	ashava	
Land area (km²)	16.3				Expenditure (Tk)	New pour	ashava	
Residential area (km²)	8.7				Computerization	, , , Salary payı	ment, Rate schedule and	
Residential area pop. density (persons/ha)	32	32				estimate prep	aration, Engineering, , ,	
Electricity coverage (%)	100.0	100.0			Committee formed			
Electricity availability (hrs)					TLCC /Frequency of meeting	Yes, 1 mor	nth	
Summer	16	16			WATSAN/Frequency of meeting	Yes, 1 month		
Winter	20	20						
D. Non-Piped Water Supply Area								
1. Necessity of Piped Water Supply					Main treatment method in domestic	None, , ,		
Necessity of					As contaminated wells (Nos.)	415		
Piped water	Yes				Arsenic contaminated water supply (%)	10		
Water meter	Yes				Unhygienic drinking water (%)	2		
Reasons	water save	and collec	t actual bill		% of people using neighbor's well for drinking	10		
					Problems in non-piped water supply area	Arsenic, Drilling is difficult due to Stony o		
						rocky layer an	d Iron contents.	
Affordability (answered by pourashava staff)				3. F	Potential Water Sources for Non-Pipe	d Water Su		
Average household income/month (Tk)	9,000				Potential water sources	Evaluation		
Affordability for piped water (Tk/month)					Shallow well	None	Arsenic,Iron	
Affordable price in total household income (%)	1.11				Deep well	High	No problem	
2. Exiting Water Sources in Non-Piped \	<mark>V</mark> ater Suppl	ater Supply Area		1	Surface water sources	-	-	
Source	Nos. of source	Drinking (%)	Domestic (%)		Other sources	No	-	
River	0	0	0		Decrease of ground water level			
Shallow well	4,151	100	65		Shallow well (m/year)	0.3		
Deep well	0	0	0		Deep well (m/year)	0.5		
Ponds	60	0	20					
Other sources	1	0	15					

Basurhat

A. Pourashava Profile								
Class	A				Sanitation coverage			
Division	Chittagong				Latrine with septic tank (%)	30.0		
District	Noakhali				Water sealed slab latrine (%)	65.0		
Year established	1990				Water-related diseases	, Diarrhea, , , Dysentery,		
Contact Tel/Fax	03223-563	03223-56302, Fax-56408				, ,	,, ,,	
E-mail		basurhatpourashava@gmail.com			Technical staff (Nos.)	4		
Population (FY2010/2011)	32,625				Financial statements (2010/2011)	0		
Nos. of households (FY2010/2011)	5,675				Annual budget (Tk)	104,880,30	08	
Literacy (%)	65.0				Revenue (Tk)	27,519,779		
Land area (km²)	6.5				Expenditure (Tk)	21,424,145		
Residential area (km²)	3.6				Computerization	Holding tax ma	anagement, Accounting, ,	
Residential area pop. density (persons/ha)	91				- Compaterization		t, Rate schedule and estimate	
Electricity coverage (%)		100.0			Committee formed	preparation, E	ngineering, , ,	
Electricity availability (hrs)	100.0				TLCC /Frequency of meeting	Yes, 3 mor	nths	
Summer	10				WATSAN/Frequency of meeting	Yes, 3 months		
Winter	15				The state of the s			
D. Non-Piped Water Supply Area								
1. Necessity of Piped Water Supply				Main treatment method in domestic	None, , ,			
Necessity of				As contaminated wells (Nos.)	1,660			
Piped water	Yes			Arsenic contaminated water supply (%)	85			
Water meter	Yes				Unhygienic drinking water (%)	2		
Reasons	To minimiz	e wastage o	of water.		% of people using neighbor's well for drinking	15		
					Problems in non-piped water supply area	Iron, Arseni	c. Saline	
						,	,	
Affordability (answered by pourashava staff)			3. F	Potential Water Sources for Non-Pipe	Water Su	ipply System		
Average household income/month (Tk)	10,000			Potential water sources	Evaluation	WQ problems		
Affordability for piped water (Tk/month)	400			Shallow well	None	Iron, Arsenic		
Affordable price in total household income (%)	4.00			Deep well	Moderate	Saline		
2. Exiting Water Sources in Non-Piped W	ater Supply Area			Surface water sources	-	-		
Source	Nos. of source Drinking (%) Domestic (%)			Other sources	Yes	-		
River	0 0 0			Decrease of ground water level				
Shallow well	1,846	95	55		Shallow well (m/year)	Not known		
Deep well	4	5	5		Deep well (m/year)	Not known		
Ponds	505	0	40					
Other sources	0	0	0					

Bauphal

Duu	pridi							a water supply system	
A. Pou	urashava Profile								
Clas	ss	С				Sanitation coverage			
Div	ision	Barisal				Latrine with septic tank (%)	45.0		
Dist	trict	Patuakhali				Water sealed slab latrine (%)	35.0		
Yea	r established	2001				Water-related diseases	Arsenicosis, D	Diarrhea, Cholera, Typhoid, ,	
Cor	ntact Tel/Fax	442256104							
	E-mail	mukti_79@	yahoo.com	1		Technical staff (Nos.)	4		
Pop	oulation (FY2010/2011)	25,000				Financial statements (2010/2011)	0		
Nos	s. of households (FY2010/2011)	3,080				Annual budget (Tk)	65,748,69	7	
Lite	eracy (%)	95.0				Revenue (Tk)	6,757,375		
Lan	d area (km²)	3.2				Expenditure (Tk)	5,456,749		
R	Residential area (km²)	2.2				Computerization		anagement, , , , Rate schedule	
R	esidential area pop. density (persons/ha)	114					budget prepar	oreparation, , Yearly logical	
Elec	ctricity coverage (%)	70.0	70.0			Committee formed	ger prepar	,,	
Elec	ctricity availability (hrs)				TLCC /Frequency of meeting	No			
	Summer	18			WATSAN/Frequency of meeting	No			
	Winter	22							
D. No	n-Piped Water Supply Area								
1. Nece	essity of Piped Water Supply					Main treatment method in domestic	, Boiling, , F	iltration	
Nec	cessity of					As contaminated wells (Nos.)	0		
P	riped water	Yes				Arsenic contaminated water supply (%)	0		
V	Vater meter	No				Unhygienic drinking water (%)	40		
	Reasons	First they w	ant supply	facility.		% of people using neighbor's well for drinking	50		
		·		•		Problems in non-piped water supply area	Bacteria, Tur	bidity etc, No coverage of	
							water as per	public demand.	
	ordability (answered by pourashava staff)				3. F	Potential Water Sources for Non-Piped		· · · · · · · · · · · · · · · · · · ·	
Α	werage household income/month (Tk)	12,000				Potential water sources	<u>Evaluation</u>		
		300				Shallow well	Moderate	Bad Smell, Saline, Pollution	
A	ffordable price in total household income (%)	2.50				Deep well	High	Few Iron	
2. Exiti	ng Water Sources in Non-Piped Wa	ater Supply Area		i	Surface water sources	Moderate	Pollution		
	Source	Nos. of source Drinking (%) Domestic (%)			Other sources	Yes	-		
	liver	0 0 0			Decrease of ground water level				
S	hallow well	39 0 15			Shallow well (m/year)	0.6			
	Deep well	75	0	60		Deep well (m/year)	0.2		
P	onds	20 0 25							
C	Other sources	0	0	0					

Belkuchi

_									
F	A. Pourashava Profile								
	Class	В				Sanitation coverage			
П	Division	Rajshahi				Latrine with septic tank (%)	30.0		
П	District	Sirajgonj				Water sealed slab latrine (%)	45.0		
П	Year established	2004	2004			Water-related diseases	, Diarrhea, , Typhoid, Dysentery,		
П	Contact Tel/Fax	Phone & Fa	Phone & Fax: 0752-256237						
П	E-mail					Technical staff (Nos.)	10		
П	Population (FY2010/2011)	74,974				Financial statements (2010/2011)	0		
П	Nos. of households (FY2010/2011)	10,484				Annual budget (Tk)	166,081,10)5	
П	Literacy (%)	70.0				Revenue (Tk)	37,368,809)	
П	Land area (km²)	19.3	19.3			Expenditure (Tk)	31,865,000)	
П	Residential area (km²)	10.8	10.8			Computerization		lule and estimate	
П	Residential area pop. density (persons/ha)	69				•		ngineering, Yearly logical ation, Procurement,	
П	Electricity coverage (%)	60.0	50.0			Committee formed	buuget prepare	icion, i rocurement,	
П	Electricity availability (hrs)					TLCC /Frequency of meeting	Yes, 3 months		
П	Summer	12	12			WATSAN/Frequency of meeting	No		
П	Winter	15	15			, , , ,			
C	D. Non-Piped Water Supply Area								
1	. Necessity of Piped Water Supply					Main treatment method in domestic	None, , ,		
Г	Necessity of					As contaminated wells (Nos.)	None		
П	Piped water	Yes				Arsenic contaminated water supply (%)	0		
П	Water meter	Yes				Unhygienic drinking water (%)	0		
ı	Reasons	(i) Customers	to pay accord	ling to use,		% of people using neighbor's well for drinking	20		
ı		(ii) To check a	ind control wa	ater loss i.e.		Problems in non-piped water supply area	,		
ı		non-revenue	water						
	Affordability (answered by pourashava staff)				3. F	Potential Water Sources for Non-Pipe	Water Su	pply System	
	Average household income/month (Tk)	9,000				Potential water sources	<u>Evaluation</u>	WQ problems	
ı	Affordability for piped water (Tk/month)	200				Shallow well	High	Fe	
ı	Affordable price in total household income (%)	2.22				Deep well	-	-	
2	. Exiting Water Sources in Non-Piped W	ater Supply Area			Surface water sources	None	N		
	Source	Nos. of source Drinking (%) Domestic (%)			Other sources	No	-		
ı	River	0	0	0		Decrease of ground water level			
	Shallow well	5,354 100 90			Shallow well (m/year)	Not known			
	Deep well	0 0 0			Deep well (m/year)	Not known			
	Ponds	0	0	10					
	Other sources	13	0	0					

Benapol

DCII	αροι							
A. Po	urashava Profile							
Cla	nss	A				Sanitation coverage		
Div	vision	Khulna			Latrine with septic tank (%)	30.0		
Dis	strict	Jessore			Water sealed slab latrine (%)	20.0		
Yea	ar established	2006				Water-related diseases	Arsenicosis,	Diarrhea, , , Dysentery,
Coi	ntact Tel/Fax	Tel: 04228-7	6055 Fax: 04	4228-76056				
	E-mail	mayor.bena	apole@yah	oo.com		Technical staff (Nos.)	7	
Po	pulation (FY2010/2011)	41,774				Financial statements (2010/2011)	0	
No	s. of households (FY2010/2011)	5,406				Annual budget (Tk)	97,310,024	1
Lite	eracy (%)	68.0				Revenue (Tk)	19,385,971	L
Lar	nd area (km²)	8.6				Expenditure (Tk)	17,916,000)
	Residential area (km²)	5.2				Computerization		inagement, Accounting, , ,
	Residential area pop. density (persons/ha)	81						and estimate preparation, early logical budget
Ele	ectricity coverage (%)	45.0	-			Committee formed	Lingineering, in	oury logical budget
Ele	ectricity availability (hrs)					TLCC /Frequency of meeting	Yes, 3 mon	ths
	Summer	8			WATSAN/Frequency of meeting	No		
	Winter	14						
D. No	on-Piped Water Supply Area							
	essity of Piped Water Supply					Main treatment method in domestic	None, , ,	
	cessity of					As contaminated wells (Nos.)	1,015	
F	Piped water	Yes				Arsenic contaminated water supply (%)	40	
١	Water meter	Yes				Unhygienic drinking water (%)	Do not know	
	Reasons	- Preparation of	water (consum	ner) bill		% of people using neighbor's well for drinking	45	
		properly.				Problems in non-piped water supply area	,	
		 Reduce of was Resist of mis h 						
Aff	fordability (answered by pourashava staff)				3. F	Potential Water Sources for Non-Pipe	Water Su	pply System
	Average household income/month (Tk)	15,000				Potential water sources	Evaluation	WQ problems
1	Affordability for piped water (Tk/month)	Do not kno	w			Shallow well	None	0
A	Affordable price in total household income (%)	Do not know			Deep well	Moderate	0	
2. Exit	ing Water Sources in Non-Piped Wa				Surface water sources	-	0	
	Source	Nos. of source Drinking (%) Domestic (%)			Other sources	Yes	0	
F	River	0 0 0			Decrease of ground water level			
9	Shallow well	2,500	50	0		Shallow well (m/year)	1.0	
[Deep well	4 40 0			Deep well (m/year)	Not known		
F	Ponds	0	0	0				
(Other sources	11	10	0				

With Non-Piped Water Supply System

Betagi

	. cagi						
A. I	Pourashava Profile						
	Class	С			Sanitation coverage		
	Division	Barisal			Latrine with septic tank (%)	20.0	
	District	Barguna			Water sealed slab latrine (%)	30.0	
	Year established	1999			Water-related diseases	Arsenicosis, , C	Cholera, Typhoid, ,
	Contact Tel/Fax	04454-560	60, Fax- 044	154-56278			
	E-mail	not availab	le		Technical staff (Nos.)	9	
	Population (FY2010/2011)	15,634			Financial statements (2010/2011)	0	
	Nos. of households (FY2010/2011)	3,154			Annual budget (Tk)	7,415,000	
	Literacy (%)	81.0			Revenue (Tk)	5,058,331	
	Land area (km²)	14.1			Expenditure (Tk)	4,979,523	
	Residential area (km²)	7.8			Computerization	, Accounting, , , Rate	e schedule and estimate
	Residential area pop. density (persons/ha)	20	20			preparation, , Yearly	logical budget preparation, ,
	Electricity coverage (%)	75.0	75.0		Committee formed		
	Electricity availability (hrs)				TLCC /Frequency of meeting	Yes, 6 months	
	Summer	16			WATSAN/Frequency of meeting	No	
	Winter	20					
D. I	Non-Piped Water Supply Area						
1. N	lecessity of Piped Water Supply				Main treatment method in domestic	None, , ,	
	Necessity of				As contaminated wells (Nos.)	0	
	Piped water	Yes			Arsenic contaminated water supply (%)	0	
	Water meter	Yes			Unhygienic drinking water (%)	45	
	Reasons	To save the	wastage of v	vater and to	% of people using neighbor's well for drinking	70	
		increase rev	enue & inco	me	Problems in non-piped water supply area	Polluted & salin	ity, Few Iron is found in
						water	
	Affordability (answered by pourashava staff)				3. Potential Water Sources for Non-Piped	d Water Suppl	y System
	Average household income/month (Tk)	15,000			Potential water sources	<u>Evaluation</u>	WQ problems
	Affordability for piped water (Tk/month)	300			Shallow well	Moderate	Iron & bad odder
	Affordable price in total household income (%)	2.00			Deep well	High	No
2. E	xiting Water Sources in Non-Piped W	ater Supply Area			Surface water sources	Moderate	Polluted & salinity
	Source	Nos. of source	Drinking (%)	Domestic (%)	Other sources	No	-
	River	1	0	3	Decrease of ground water level		
	Shallow well	12	0	5	Shallow well (m/year)	0.3	
	Deep well	100	100	70	Deep well (m/year)	0.1	
	Ponds	400	0	15			
	Other sources	2	0	7			

Bhaluka With Non-Piped Water Supply System

A. Pourashava Profile									
Class		A				Sanitation coverage			
Division		Dhaka				Latrine with septic tank (%)	60.0		
District		Mymenshing				Water sealed slab latrine (%)	20.0		
Year establishe	d	1998				Water-related diseases	, Diarrhea, , Ty	phoid, ,	
Contact Tel/Fa:	K	090-22560	57						
E-mail						Technical staff (Nos.)	5		
Population (FY	2010/2011)	160,000				Financial statements (2010/2011)	0		
Nos. of househ	olds (FY2010/2011)	4,901				Annual budget (Tk)	47,727,520		
Literacy (%)		70.0				Revenue (Tk)	38,727,520		
Land area (km²)	10.4				Expenditure (Tk)	36,094,000		
Residential a	rea (km²)	5.9			Computerization				
Residential area	a pop. density (persons/ha)	271				,,,,,,,			
Electricity cove	rage (%)	80.0			Committee formed				
Electricity avail	ability (hrs)					TLCC /Frequency of meeting	Yes, 1 month		
Summe	r	4				WATSAN/Frequency of meeting	No		
Winter		7	7						
	Nater Supply Area								
1. Necessity of Pi	ped Water Supply				Main treatment method in domestic	None, , ,			
Necessity of						As contaminated wells (Nos.)	0		
Piped water		Yes				Arsenic contaminated water supply (%)	0		
Water meter	•	Yes				Unhygienic drinking water (%)	10		
Reasons			er and reduce			% of people using neighbor's well for drinking	20		
		household, a water (NRW)	nd reduce nor	n-revenue		Problems in non-piped water supply area		., Umavoidability of safe	
		water (NKW)					drinking water.		
	nswered by pourashava staff)				3. F	Potential Water Sources for Non-Pipe	d Water Suppl		
_	ehold income/month (Tk)	15,000				Potential water sources	<u>Evaluation</u>	WQ problems	
,	- P. P	150				Shallow well	Moderate	No problem	
	n total household income (%)	1.00				Deep well	High	No problem	
2. Exiting Water S	Sources in Non-Piped W	ater Suppl	y Area	ı	,	Surface water sources	-	-	
	Source	Nos. of source	Drinking (%)	Domestic (%)		Other sources	No	-	
River		0	0	0		Decrease of ground water level			
Shallow well		4,000	90	90		Shallow well (m/year)	Not known		
Deep well		5	10	10		Deep well (m/year)	Not known		
Ponds		50	0	0					
Other source	es es	0	0	0					

With Non-Piped Water Supply System

Bhawaniganj

וט	nawaniganj							
A.	Pourashava Profile							
	Class	С				Sanitation coverage		
	Division	Rajshahi				Latrine with septic tank (%)	10.0	
	District	Rajshahi				Water sealed slab latrine (%)	80.0	
	Year established	2000				Water-related diseases	, Diarrhea, , , D	ysentery,
	Contact Tel/Fax	Tel: 07222-	56055					
	E-mail	bganjpou@	mail.com			Technical staff (Nos.)	3	
	Population (FY2010/2011)	19,000				Financial statements (2010/2011)	0	
	Nos. of households (FY2010/2011)	3,954				Annual budget (Tk)	30,906,110	
	Literacy (%)	79.0				Revenue (Tk)	4,583,113	
	Land area (km²)	10.0				Expenditure (Tk)	7,731,103	
	Residential area (km²)	4.5				Computerization	Rate schedule a	nd estimate preparation, ,
	Residential area pop. density (persons/ha)	42				·	Yearly logical budget	
	Electricity coverage (%)	80.0				Committee formed		
	Electricity availability (hrs)					TLCC /Frequency of meeting	No	
	Summer	8				WATSAN/Frequency of meeting	No	
	Winter	20	20					
D.	Non-Piped Water Supply Area							
1. [Necessity of Piped Water Supply					Main treatment method in domestic	None, , ,	
	Necessity of					As contaminated wells (Nos.)	None	
	Piped water	Yes				Arsenic contaminated water supply (%)	0	
	Water meter	Yes				Unhygienic drinking water (%)	N	
	Reasons	To save the w	aste water an	d accordingly		% of people using neighbor's well for drinking	25	
		pay the bill to	water colum	e consumed.		Problems in non-piped water supply area	Water level dow	n 15m,
	Affordability (answered by pourashava staff)				3. P	Potential Water Sources for Non-Pipe	<mark>d</mark> Water Suppl	y System
	Average household income/month (Tk)	12,000				Potential water sources	<u>Evaluation</u>	WQ problems
		(i) No idea,	(ii) People	will pay acco	ordii	Shallow well	Moderate	N
	Affordable price in total household income (%)	0.00				Deep well	-	-
2. 1	Exiting Water Sources in Non-Piped W	ater Supply	y Area			Surface water sources	None	Pollution by human waste water
	Source	Nos. of source	Drinking (%)	Domestic (%)		Other sources	No	-
	River	1	0	10		Decrease of ground water level		
	Shallow well	1,992	100	85		Shallow well (m/year)	15.0	
	Deep well	0	0	0		Deep well (m/year)	Not known	
	Ponds	0	0	5				
	Other sources	0	0	0				

Bhuapur

· · I ·							
A. Pourashava Profile							
Class	В				Sanitation coverage		
Division	Dhaka			Latrine with septic tank (%)	14.0		
District	Tangail			Water sealed slab latrine (%)	10.0		
Year established	1994				Water-related diseases	Arsenicosis, Di	arrhea, , , ,
Contact Tel/Fax	0922-3561	0922-356188; 01712570672					
E-mail	bhuapurpo	bhuapurpourashava@gmail.com			Technical staff (Nos.)	11	
Population (FY2010/2011)	29,052	29,052			Financial statements (2010/2011)	0	
Nos. of households (FY2010/2011)	5,826	5,826			Annual budget (Tk)	51,674,235	
Literacy (%)	90.0	90.0			Revenue (Tk)	14,098,110	
Land area (km²)	11.0				Expenditure (Tk)	12,812,000	
Residential area (km²)	6.6				Computerization	, , , , Rate schedule a	and estimate preparation,
Residential area pop. density (persons/ha)	44					Engineering, Yearly	logical budget preparation, ,
Electricity coverage (%)	90.0				Committee formed		
Electricity availability (hrs)					TLCC /Frequency of meeting	Yes, 1 month	
Summer	16				WATSAN/Frequency of meeting	No	
Winter	20						
D. Non-Piped Water Supply Area							
1. Necessity of Piped Water Supply					Main treatment method in domestic	None, , ,	
Necessity of					As contaminated wells (Nos.)	2	
Piped water	Yes				Arsenic contaminated water supply (%)	0	
Water meter	Yes				Unhygienic drinking water (%)	15	
Reasons		loss of water a	nd collect the		% of people using neighbor's well for drinking	20	
	actual bill - To know the	amount of non-	revenue water.		Problems in non-piped water supply area	primary school are idea	chool and Gatandi registered ntified),, Iron and odour problem on
Affordability (answered by pourashava staff)				2 [Potential Water Sources for Non-Pipe	shallow tubewell	v Eustom
Average household income/month (Tk)	10,000			э. г	Potential water sources	Evaluation	WQ problems
Affordability for piped water (Tk/month)	10,000				Shallow well	None	Iron,Arsenic
Affordability for piped water (TK/Thoriti) Affordable price in total household income (%)	1.00				Deep well	High	No problem
2. Exiting Water Sources in Non-Piped W		v Aron			Surface water sources	Moderate	Turbidity
Source	Nos. of source	Í	Domestic (%)	l	Other sources	No	- Turbiaity
River	1	0	20		Decrease of ground water level	NO	
Shallow well	3.000	80	45		Shallow well (m/year)	0.0	
Deep well	80	20	15		Deep well (m/year)	0.0	
·			13		Deep wen (my year)		
Ponds		0	20				
Ponds Other sources	70	0	20				

Birganj

A. Pourashava Profile								
Class	В				Sanitation coverage			
Division	Rangpur				Latrine with septic tank (%)	40.0		
District	Dinajpur				Water sealed slab latrine (%)	50.0		
Year established	2002				Water-related diseases	, Diarrhea, , , Dyse	entery, Seasonal chicken pox & fever	
Contact Tel/Fax	Tel: 0532-37	2564, Mob: 0	1735-960655					
E-mail	mayorbirgo	onjpoura@g	mail.com		Technical staff (Nos.)	5		
Population (FY2010/2011)	21,000				Financial statements (2010/2011)	0		
Nos. of households (FY2010/2011)	3,815				Annual budget (Tk)	55,651,603	3	
Literacy (%)	79.0				Revenue (Tk)	8,040,870		
Land area (km²)	7.3				Expenditure (Tk)	7,724,677		
Residential area (km²)	4.4				Computerization		dule and estimate ngineering, Yearly logical	
Residential area pop. density (persons/ha)	48						ation, Procurement,	
Electricity coverage (%)	100.0				Committee formed			
Electricity availability (hrs)					TLCC /Frequency of meeting	Yes, 3 mon	iths	
Summer	15				WATSAN/Frequency of meeting	Yes, 3 mon	iths	
Winter	20							
D. Non-Piped Water Supply Area								
1. Necessity of Piped Water Supply					Main treatment method in domestic	None, , ,		
Necessity of					As contaminated wells (Nos.)	0		
Piped water	Yes				Arsenic contaminated water supply (%)	0		
Water meter	No				Unhygienic drinking water (%)	0		
Reasons		rested to pay fla			% of people using neighbor's well for drinking	0		
		to implement meters will not l	new pipe water be favourate		Problems in non-piped water supply area		declining in dry season;	
	connection.					but, Water a	vailable in dry season	
Affordability (answered by pourashava staff)				3. P	Potential Water Sources for Non-Piped	Water Su	pply System	
Average household income/month (Tk)	10,000				Potential water sources	<u>Evaluation</u>	WQ problems	
Affordability for piped water (Tk/month)	200				Shallow well	High	No problem	
Affordable price in total household income (%)	2.00				Deep well	High	No problem	
2. Exiting Water Sources in Non-Piped W	ater Suppl	y Area	ı	1	Surface water sources	-	-	
Source	Nos. of source		Domestic (%)		Other sources	No	-	
River	0	0	0		Decrease of ground water level			
Shallow well	3,900	90	90		Shallow well (m/year)	0.2		
Deep well	0	0	0		Deep well (m/year)	0.2		
Ponds	0	0	0					
Other sources	100	10	10					

Biyanibazar

БІУ	ranibazai						iii Noii-ripe	u water supply system
A. P	ourashava Profile							
C	Class	В				Sanitation coverage		
D	Division	Sylhet			Latrine with septic tank (%)	61.0		
_ C	District	Sylhet				Water sealed slab latrine (%)	25.0	
Y	'ear established	2001				Water-related diseases	, Diarrhea,	, Typhoid, Dysentery,
C	Contact Tel/Fax	022356173	-74, 75					
	E-mail					Technical staff (Nos.)	6	
Р	Oppulation (FY2010/2011)	35,235				Financial statements (2010/2011)	0	
N	los. of households (FY2010/2011)	6,886				Annual budget (Tk)	18,957,000)
L	iteracy (%)	59.0				Revenue (Tk)	10,319,91	3
L	and area (km²)	24.0				Expenditure (Tk)	11,595,81	3
	Residential area (km²)	10.8				Computerization		anagement, Accounting, Trade
	Residential area pop. density (persons/ha)	33						schedule and estimate ngineering, Yearly logical
E	Electricity coverage (%)	98.0				Committee formed	p. ope	
E	lectricity availability (hrs)					TLCC /Frequency of meeting	Yes, 3 mor	nths
	Summer	20				WATSAN/Frequency of meeting	Yes, 6 mor	nths
	Winter	22						
D. N	Ion-Piped Water Supply Area							
1. Ne	ecessity of Piped Water Supply					Main treatment method in domestic	, Boiling, , F	iltration
N	lecessity of					As contaminated wells (Nos.)	0	
	Piped water	Yes				Arsenic contaminated water supply (%)	0	
	Water meter	Yes				Unhygienic drinking water (%)	0	
	Reasons	The wastage	will be cont	trolled by		% of people using neighbor's well for drinking	3	
		pourashava	by using wa	ter meter		Problems in non-piped water supply area	Water leve	in the STW is low.,
							Water cont	ains more iron.
Α	Affordability (answered by pourashava staff)				3. F	Potential Water Sources for Non-Piped	Water Su	
	Average household income/month (Tk)	30,000				Potential water sources	Evaluation	
	Affordability for piped water (Tk/month)	300				Shallow well		High conc. of iron
	Affordable price in total household income (%)	1.00				Deep well		Less conc. of iron
2. Ex	iting Water Sources in Non-Piped W	ater Supply	y Area		,	Surface water sources		Turbid water
	Source	Nos. of source	Drinking (%)	Domestic (%)		Other sources	No	-
	River	1	0	10		Decrease of ground water level		
	Shallow well	6,000	95	70		Shallow well (m/year)	0.1	
	Deep well	10	5	5		Deep well (m/year)	0.2	
	Ponds	15	0	15				
	Other sources	0	0	0				

Boalmari

A. Pourashava Profile							
Class	В				Sanitation coverage		
Division	Dhaka				Latrine with septic tank (%)	20.0	
District	Faridpur				Water sealed slab latrine (%)	50	
Year established	2000				Water-related diseases	. Diarrhea.	, , Dysentery,
Contact Tel/Fax	06324-564	13. 0171526	68897				,
E-mail		-,-			Technical staff (Nos.)	2	
Population (FY2010/2011)	27,953				Financial statements (2010/2011)	0	
Nos. of households (FY2010/2011)	5,471				Annual budget (Tk)	322,225,00	00
Literacy (%)	44.8				Revenue (Tk)	8,265,000	
Land area (km²)	13.6				Expenditure (Tk)	8,077,500	
Residential area (km²)	9.5				Computerization	Holding tax ma	nagement, Accounting, Trade
Residential area pop. density (persons/ha)	29						payment, Rate schedule and
Electricity coverage (%)	80				Committee formed	estimate prepa	aration, Engineering, , ,
Electricity availability (hrs)					TLCC /Frequency of meeting	Yes, 3 mon	iths
Summer	10				WATSAN/Frequency of meeting	No	
Winter	18				, .,,,.		
D. Non-Piped Water Supply Area	pply Area						
1. Necessity of Piped Water Supply					Main treatment method in domestic	None, , ,	
Necessity of					As contaminated wells (Nos.)	2	
Piped water	Yes				Arsenic contaminated water supply (%)	0	
Water meter	Yes				Unhygienic drinking water (%)	2	
Reasons	House hold	er satisfact	ion to pay		% of people using neighbor's well for drinking	25	
	For water b	oill.			Problems in non-piped water supply area		etting safe drinking water, Most of
						the people sever	al times drinks unhygenic water
Affordability (answered by pourashava staff)				3. I	Potential Water Sources for Non-Piped	Water Su	pply System
Average household income/month (Tk)	10,000				Potential water sources	<u>Evaluation</u>	WQ problems
Affordability for piped water (Tk/month)	150				Shallow well	High	Iron
Affordable price in total household income (%)	1.5				Deep well	Moderate	Iron
2. Exiting Water Sources in Non-Piped W	ater Suppl	y Area			Surface water sources	None	Inorganic materials
Source	Nos. of source	Drinking (%)	Domestic (%)		Other sources	No	-
River	1	0	5		Decrease of ground water level		
Shallow well	3,550	90	60		Shallow well (m/year)	0.3	
Deep well	10	10	10		Deep well (m/year)	0.3	
Ponds	50	0	25				
Other sources	0	0	0				

Boda

A. Pourashava Profile							
Class	В				Sanitation coverage		
Division	Rangpur				Latrine with septic tank (%)	30.0	
District	Panchagarh				Water sealed slab latrine (%)	50.0	
Year established	2001				Water-related diseases	, Diarrhea,	, , Dysentery,
Contact Tel/Fax	Tel: 05653-	56144					
E-mail	bodapoura	shava@gma	ail.com		Technical staff (Nos.)	5	
Population (FY2010/2011)	21,490	_			Financial statements (2010/2011)	0	
Nos. of households (FY2010/2011)	3,761				Annual budget (Tk)	16,716,458	3
Literacy (%)	65.0				Revenue (Tk)	8,095,925	
Land area (km²)	14.3				Expenditure (Tk)	12,970,000)
Residential area (km²)	6.5				Computerization		dule and estimate
Residential area pop. density (persons/ha)	33				·	preparation, E budget prepar	ngineering, Yearly logical
Electricity coverage (%)	90.0				Committee formed	budget prepar	acion, ,
Electricity availability (hrs)					TLCC /Frequency of meeting	Yes, Once	in a year
Summer	4				WATSAN/Frequency of meeting	No	,
Winter	20			, , ,			
D. Non-Piped Water Supply Area							
1. Necessity of Piped Water Supply					Main treatment method in domestic	None, , ,	
Necessity of					As contaminated wells (Nos.)	0	
Piped water	Yes				Arsenic contaminated water supply (%)	Do not kno	Α/
Water meter	No				Unhygienic drinking water (%)	Do not kno	
Reasons		ill be accepta	hle for		% of people using neighbor's well for drinking	0	
Neasons		ay monthly b			Problems in non-piped water supply area	-	decline in Boro season,
	people to pe	ay monthly b			Problems in non-piped water supply area	water level	decime in boro season,
Affordability (answered by pourashava staff)				3. F	Potential Water Sources for Non-Pipe	d Water Su	pply System
Average household income/month (Tk)	10,000				Potential water sources	Evaluation	WQ problems
Affordability for piped water (Tk/month)	3,000				Shallow well	High	Iron is some area
Affordable price in total household income (%)	3.00				Deep well	High	Iron in small quantity
2. Exiting Water Sources in Non-Piped W	ater Suppl	y Area			Surface water sources	None	Pollution in dry season
Source	Nos. of source	Drinking (%)	Domestic (%)		Other sources	No	-
River	0	0	10		Decrease of ground water level		
Shallow well	2,500	100	90		Shallow well (m/year)	0.5	
Deep well	0	0	0		Deep well (m/year)	0.5	
Ponds	0	0	0				
Other sources	0	0	0				

Bonapara

A. Pourashava Profile							
Class	В				Sanitation coverage		
Division	Rajshahi				Latrine with septic tank (%)	40.0	
District	Natore				Water sealed slab latrine (%)	50.0	
Year established	2002				Water-related diseases	, Diarrhea,	, , Dysentery,
Contact Tel/Fax	Tel: 07723	56046					
E-mail	mayorbon	oara@gmail	.com		Technical staff (Nos.)	9	
Population (FY2010/2011)	22,349				Financial statements (2010/2011)	0	
Nos. of households (FY2010/2011)	4,220				Annual budget (Tk)	98,916,182	
Literacy (%)	77.0				Revenue (Tk)	9,758,091	
Land area (km²)	6.9				Expenditure (Tk)	9,713,000	
Residential area (km²)	3.1				Computerization	, , , , Rate sched	lule and estimate
Residential area pop. density (persons/ha)	71					preparation, , ,	,
Electricity coverage (%)	100.0				Committee formed		
Electricity availability (hrs)					TLCC /Frequency of meeting	Yes, 3 mon	ths
Summer	10				WATSAN/Frequency of meeting	No	
Winter	20						
D. Non-Piped Water Supply Area							
1. Necessity of Piped Water Supply					Main treatment method in domestic	None, , ,	
Necessity of					As contaminated wells (Nos.)	None	
Piped water	Yes				Arsenic contaminated water supply (%)	0	
Water meter	Yes				Unhygienic drinking water (%)	0	
Reasons		of bill preparation	on for		% of people using neighbor's well for drinking	25	
	consumed wat	er supply. to improve the	revenue		Problems in non-piped water supply area	Water level	down in dry season,
	income.	to improve the	revenue				
Affordability (answered by pourashava staff)				3. F	Potential Water Sources for Non-Piped	d Water Su	pply System
Average household income/month (Tk)	10,000				Potential water sources	<u>Evaluation</u>	WQ problems
Affordability for piped water (Tk/month)	125				Shallow well	Moderate	N
Affordable price in total household income (%)	1.25				Deep well	-	-
2. Exiting Water Sources in Non-Piped W	ater Suppl	y Area			Surface water sources	-	-
Source	Nos. of source	Drinking (%)	Domestic (%)		Other sources	Yes	-
River	0	0	0		Decrease of ground water level		
Shallow well	3,500	100	95		Shallow well (m/year)	Not known	
Deep well	0	0	0		Deep well (m/year)	Not known	
Ponds	0	0	5				
Other sources	0	0	0				

Cagalnaiya

Cagalnaiya					***	tii Woli i ipc	d Water Supply System	
A. Pourashava Profile								
Class	В				Sanitation coverage			
Division	Chittagong				Latrine with septic tank (%)			
District	Feni				Water sealed slab latrine (%)	` '		
Year established	2006				Water-related diseases	Arsenicosis, Diarrhea, Cholera, Typhoid, Dysente		
Contact Tel/Fax	03322-783	01			Water related diseases			
E-mail	cagalnaiyap	ourashava@	gmail.com		Technical staff (Nos.)	2		
Population (FY2010/2011)	51,000				Financial statements (2010/2011)	0		
Nos. of households (FY2010/2011)	8,970				Annual budget (Tk)	16,884,097	7	
Literacy (%)	68.0				Revenue (Tk)	15,286,634	1	
Land area (km²)	28.0				Expenditure (Tk)	16,963,034		
Residential area (km²)	7.0				Computerization		anagement, Accounting, Trade payment, Rate schedule and	
Residential area pop. density (persons/ha)	73						aration, Engineering, , ,	
Electricity coverage (%)	60.0				Committee formed			
Electricity availability (hrs)					TLCC /Frequency of meeting	Yes, 3 mon	nths	
Summer	18				WATSAN/Frequency of meeting	No		
Winter	20							
D. Non-Piped Water Supply Area								
1. Necessity of Piped Water Supply					Main treatment method in domestic	None, , ,		
Necessity of					As contaminated wells (Nos.)	20		
Piped water	Yes				Arsenic contaminated water supply (%)	10-15		
Water meter	Yes				Unhygienic drinking water (%)	25		
Reasons		e water readi	ng, Prevent		% of people using neighbor's well for drinking	35		
	misuse of w	ater.			Problems in non-piped water supply area		c, Aquifer goes	
						downward.		
Affordability (answered by pourashava staff)				3. F	Potential Water Sources for Non-Pipe	1		
Average household income/month (Tk)	8,000				Potential water sources	Evaluation		
Affordability for piped water (Tk/month)	500				Shallow well		Iron, Arsenic	
Affordable price in total household income (%)	6.25				Deep well	High	Iron	
2. Exiting Water Sources in Non-Piped W		•		1	Surface water sources		Unhygenic	
Source	Nos. of source		Domestic (%)		Other sources	No	-	
River	1	0	10		Decrease of ground water level			
Shallow well	200	75	10		Shallow well (m/year)	Not known		
Deep well	65	25	5		Deep well (m/year)	Not known		
Ponds	352	0	70					
Other sources	20	0	5					

Chakoria

A. Pourashava Profile								
Class	A				Sanitation coverage			
Division	Chittagong				Latrine with septic tank (%)	40.0		
District	Cox's Bazar	•			Water sealed slab latrine (%)	45.0		
Year established	1994				Water-related diseases	, Diarrhea, , Ty	phoid, Dysentery,	
Contact Tel/Fax	03422-561	29						
E-mail	chakariapo	urashava@	yahoo.com		Technical staff (Nos.)	8		
Population (FY2010/2011)	118,530		•		Financial statements (2010/2011)	0		
Nos. of households (FY2010/2011)	10,686				Annual budget (Tk)	118,350,000		
Literacy (%)	70.0				Revenue (Tk)	16,931,088		
Land area (km²)	15.4				Expenditure (Tk)	14,172,913		
Residential area (km²)	6.9				Computerization	, , , , Rate schedule a	and estimate preparation,	
Residential area pop. density (persons/ha)	171					Engineering, Yearly	logical budget preparation, ,	
Electricity coverage (%)	85.0				Committee formed			
Electricity availability (hrs)					TLCC /Frequency of meeting	Yes, 3 months		
Summer	2				WATSAN/Frequency of meeting	Yes, 6 months		
Winter	10							
D. Non-Piped Water Supply Area								
1. Necessity of Piped Water Supply					Main treatment method in domestic	None, , ,		
Necessity of					As contaminated wells (Nos.)	0		
Piped water	Yes				Arsenic contaminated water supply (%)	Do not know		
Water meter	Yes				Unhygienic drinking water (%)	Do not know		
Reasons	To prevent	wasting wa	iter.		% of people using neighbor's well for drinking	15		
					Problems in non-piped water supply area		d water in poura area., Sometimes work(Mechanical troubles such as ance etc).	
Affordability (answered by pourashava staff)				3. F	Potential Water Sources for Non-Pipe	Water Suppl	y System	
Average household income/month (Tk)	10,000				Potential water sources	Evaluation	WQ problems	
Affordability for piped water (Tk/month)	350				Shallow well	Moderate	Iron	
Affordable price in total household income (%)	3.50				Deep well	High	Iron	
2. Exiting Water Sources in Non-Piped W	ater Suppl	y Area			Surface water sources	Moderate	Less problem	
Source	Nos. of source	Drinking (%)	Domestic (%)		Other sources	No	-	
River	1	0	10		Decrease of ground water level			
Shallow well	340	85	75		Shallow well (m/year)	0.6		
Deep well	120	15	12		Deep well (m/year)	0.4		
Ponds	12	0	3					
Other sources	0	0	0					

A. Pourash	nava Profile								
Class		С				Sanitation coverage			
Division		Khulna				Latrine with septic tank (%)	2.0	2.0	
District		Khulna			Water sealed slab latrine (%)	83.0			
Year esta	blished	2004				Water-related diseases	, Diarrhea, , Ty	phoid, Dysentery,	
Contact T	el/Fax	Tel: 04023-	56060, 560	69				' ' ' ''	
	mail		,			Technical staff (Nos.)	4		
Populatio	on (FY2010/2011)	20,669				Financial statements (2010/2011)	0		
Nos. of he	ouseholds (FY2010/2011)	3,848				Annual budget (Tk)	14,027,402		
Literacy (· · · · · · · · · · · · · · · · · · ·	68.0				Revenue (Tk)	6,231,000		
Land area	· ' .	9.5				Expenditure (Tk)	13,752,840		
	ntial area (km²)	5.2				Computerization			
	` '	40					, , , , Rate schedule a	ind estimate preparation, , , ,	
	coverage (%)	95.0				Committee formed			
	y availability (hrs)					TLCC /Frequency of meeting	No		
1	mmer	14				WATSAN/Frequency of meeting	No		
w	inter	18							
D. Non-Piped Water Supply Area									
1. Necessity	of Piped Water Supply					Main treatment method in domestic	, , , Filtration		
Necessity	of of					As contaminated wells (Nos.)	0		
Piped v	water	Yes				Arsenic contaminated water supply (%)	0		
Water	meter	Yes				Unhygienic drinking water (%)	5		
Reas	ions	To control w	ater consun	nption		% of people using neighbor's well for drinking	3		
		because fres	sh water is v	ery		Problems in non-piped water supply area	Excess chloride,	Iron, Becteria,	
		expensive.							
Affordabi	lity (answered by pourashava staff)				3. F	Potential Water Sources for Non-Piper	Water Suppl	y System	
Average	e household income/month (Tk)	8,000				Potential water sources	<u>Evaluation</u>	WQ problems	
	, , , , , ,	300				Shallow well	-	-	
Affordable	e price in total household income (%)	4.00				Deep well	-	-	
2. Exiting W	ater Sources in Non-Piped Wa	ater Supply	y Area		,	Surface water sources	High	Water contain high saline & high terbidity	
	Source	Nos. of source	Drinking (%)	Domestic (%)		Other sources	Yes	-	
River		2	1	10		Decrease of ground water level			
Shallov		134	5	10		Shallow well (m/year)	0.2		
Deep w	vell	1	5	1		Deep well (m/year)	Not known		
Ponds		250	5	79					
Others	sources	322	85	1					

Chandanaish

A. Pourashava Profile						
Class	В			Sanitation coverage		
Division	Chittagong			Latrine with septic tank (%)	21.0	
District	Chittagong			Water sealed slab latrine (%)	66.0	
Year established	2002			Water-related diseases	, Diarrhea, , Ty	phoid, Dysentery,
Contact Tel/Fax	03033-562	37				
E-mail				Technical staff (Nos.)	6	
Population (FY2010/2011)	63,485			Financial statements (2010/2011)	0	
Nos. of households (FY2010/2011)	7,421			Annual budget (Tk)	12,920,000	
Literacy (%)	68.3			Revenue (Tk)	10,175,000	
Land area (km²)	17.1			Expenditure (Tk)	9,151,000	
Residential area (km²)	9.2			Computerization		ment, Accounting, Trade
Residential area pop. density (persons/ha)	69				estimate preparation	ent, Rate schedule and
Electricity coverage (%)	91.0			Committee formed		.,,
Electricity availability (hrs)				TLCC /Frequency of meeting	Yes, 1 month	
Summer	6			WATSAN/Frequency of meeting	Yes, 1 month	
Winter	10					
D. Non-Piped Water Supply Area						
1. Necessity of Piped Water Supply				Main treatment method in domestic	, Boiling, , Filtrat	tion
Necessity of				As contaminated wells (Nos.)	No	
Piped water	Yes			Arsenic contaminated water supply (%)	No	
Water meter	Yes			Unhygienic drinking water (%)	10	
Reasons	To use supp	ply water p	erpectly	% of people using neighbor's well for drinking	0	
	and contro	I misuse of	water.	Problems in non-piped water supply area	Ironic, Deep and	d Shallow wells are
					contaminated b	y human waste.
Affordability (answered by pourashava staff)				3. Potential Water Sources for Non-Pipe	Water Suppl	y System
Average household income/month (Tk)	11,000			Potential water sources	<u>Evaluation</u>	<u>WQ problems</u>
Affordability for piped water (Tk/month)	660			Shallow well	Moderate	Ironic
Affordable price in total household income (%)	6.00			Deep well	High	Fe, Mn
2. Exiting Water Sources in Non-Piped W	ater Suppl	y Area		Surface water sources	None	No
Source	Nos. of source	Drinking (%)	Domestic (%)	Other sources	No	-
River	0	0	0	Decrease of ground water level		
Shallow well	120	20	80	Shallow well (m/year)	1.0	
Deep well	60	80	10	Deep well (m/year)	0.5	
Ponds	100	0	10		0.0	
Other sources	0	0	0			

Chatkhil

CHUCKIIII							d Water Supply System
A. Pourashava Profile							
Class	A				Sanitation coverage		
Division	Chittagong				Latrine with septic tank (%)	35.0	
District	Noakhali				Water sealed slab latrine (%)	50.0	
Year established	34700				Water-related diseases	Arsenicosis, Dia	arrhea, , , Dysentery,
Contact Tel/Fax	03222-750	15				,	,,, = ,,,
E-mail					Technical staff (Nos.)	3	
Population (FY2010/2011)	60,000				Financial statements (2010/2011)	0	
Nos. of households (FY2010/2011)	6,079				Annual budget (Tk)	185,864,137	
Literacy (%)	86.0				Revenue (Tk)	54,184,572	
Land area (km²)	14.0				Expenditure (Tk)	48.440.000	
Residential area (km²)	1.8				Computerization	-, -,	ment, Accounting, Trade
Residential area pop. density (persons/ha)	343				Computerization		ent, Rate schedule and
Electricity coverage (%)	75.0				Committee formed	estimate preparation	n, Engineering, , ,
Electricity coverage (76)	75.0				TLCC /Frequency of meeting	Yes, 4 months	
Summer	8				WATSAN/Frequency of meeting	No	
Winter	14				WATSAN/Frequency of fileeting	NO	
D. Non-Piped Water Supply Area							
1. Necessity of Piped Water Supply					Main treatment method in domestic	None, Boiling, ,	
Necessity of					As contaminated wells (Nos.)	1,500	
Piped water	Yes				Arsenic contaminated water supply (%)	Do not know	
Water meter	Yes				Unhygienic drinking water (%)	Do not know	
Reasons	Properly use	water, not	spoil water		% of people using neighbor's well for drinking	25	
					Problems in non-piped water supply area	Arsenic, iron hig	h. Safe water is not
						available,	
Affordability (answered by pourashava staff)				3. I	Potential Water Sources for Non-Pipe	d Water Supply	y System
Average household income/month (Tk)	15,000				Potential water sources	<u>Evaluation</u>	WQ problems
Affordability for piped water (Tk/month)	400				Shallow well	None	Arsenic & Iron
Affordable price in total household income (%)	2.67				Deep well	High	Iron
2. Exiting Water Sources in Non-Piped W	ater Suppl	y Area			Surface water sources	High	Pollution
Source	Nos. of source	Drinking (%)	Domestic (%)		Other sources	Yes	-
River	1	0	0		Decrease of ground water level		
Shallow well	3,000	85	67		Shallow well (m/year)	Not known	
Deep well	0	15	10		Deep well (m/year)	Not known	
Ponds	600	0	20				
Other sources	0	0	3				

Chattak

A. Pourashava Profile									
Class	Α				Sanitation coverage				
Division	Sylhet				Latrine with septic tank (%)	13.0			
District	Sunamgoni				Water sealed slab latrine (%)	51.0			
Year established	1997	1997			Water-related diseases	Arsenicosis, Di	arrhea, , Typhoid, Dysentery,		
Contact Tel/Fax	08723 - 562	255							
E-mail					Technical staff (Nos.)	10			
Population (FY2010/2011)	60,250				Financial statements (2010/2011)	0			
Nos. of households (FY2010/2011)	4,696				Annual budget (Tk)	157,830,0	00		
Literacy (%)	80.0				Revenue (Tk)	14,840,36	7		
Land area (km²)	13.0				Expenditure (Tk)	15,653,14	4		
Residential area (km²)	5.2				Computerization	-	anagement, Accounting, Trade		
Residential area pop. density (persons/ha	116						payment, Rate schedule and aration, Engineering, Yearly		
Electricity coverage (%)	90.0				Committee formed	estimate prep	aration, Engineering, really		
Electricity availability (hrs)					TLCC /Frequency of meeting	Yes, 3 mor	Yes, 3 months		
Summer	18				WATSAN/Frequency of meeting	Yes, 6 mor	nths		
Winter	21								
D. Non-Piped Water Supply Are	ea								
1. Necessity of Piped Water Supply					Main treatment method in domestic	, Boiling, , F	iltration		
Necessity of					As contaminated wells (Nos.)	342			
Piped water	Yes				Arsenic contaminated water supply (%)	21			
Water meter	Yes				Unhygienic drinking water (%)	15			
Reasons	Because the people economically solver				% of people using neighbor's well for drinking	20			
	connection helps p	ourashava to contr	ol water wastage &		Problems in non-piped water supply area		ontains high conc. Fe & As., Water over the whole pourashava.		
	coveniently collect	the revenue from	the water users.			demand is not co	over the whole pourashava.		
Affordability (answered by pourashava sta	aff)			3. P	Potential Water Sources for Non-Pipe	<mark>d</mark> Water Su	ipply System		
Average household income/month (T	<mark>Γk)</mark> 15,000				Potential water sources	Evaluation	WQ problems		
Affordability for piped water (Tk/mor	nth) 150				Shallow well	None	Fe & As		
Affordable price in total household income (%)	1.00				Deep well	Moderate	Fe		
2. Exiting Water Sources in Non-Pipe	<mark>ed W</mark> ater Supply	/ Area			Surface water sources	High	Turbid water in rainy season.		
Source	Nos. of source	Drinking (%)	Domestic (%)		Other sources	No	-		
River	1	10	40		Decrease of ground water level				
Shallow well	1,660	67	40		Shallow well (m/year)	0.4			
Deep well	15	21	10		Deep well (m/year)	0.2			
Ponds	60	0	5						
Other sources	3	2	5						

Chouddaaram

A. Pou	uddagram urashava Profile								
Divi	SS								
		В				Sanitation coverage			
Dist	ision	Chittagong				Latrine with septic tank (%)	80.0		
	trict	Comilla				Water sealed slab latrine (%)	5.0		
Yea	r established	2003				Water-related diseases	, Diarrhea, Cholera, Typhoid, Dysentery, Y (Iron proble		
Cor	ntact Tel/Fax	802056390							
	E-mail					Technical staff (Nos.)	4		
Pop	oulation (FY2010/2011)	37,962				Financial statements (2010/2011)	0		
Nos	s. of households (FY2010/2011)	7,722				Annual budget (Tk)	13,800,000)	
Lite	eracy (%)	65.0				Revenue (Tk)	7,722,740		
Lan	d area (km²)	18.4				Expenditure (Tk)	5,777,950		
R	desidential area (km²)	11.0				Computerization		nagement, Accounting, Trade payment, Rate schedule and	
R	esidential area pop. density (persons/ha)	34						aration, Engineering, Yearly	
Elec	ctricity coverage (%)	80.0				Committee formed			
Elec	ctricity availability (hrs)					TLCC /Frequency of meeting	Yes, 2 mor	iths	
	Summer	15				WATSAN/Frequency of meeting	Yes, 3 mor	iths	
	Winter	18							
D. No	n-Piped Water Supply Area								
1. Nece	essity of Piped Water Supply					Main treatment method in domestic	, Boiling, , F	iltration	
Nec	cessity of					As contaminated wells (Nos.)	Do not kno	w	
P	iped water	Yes				Arsenic contaminated water supply (%)	Do not kno	W	
V	Vater meter	Yes				Unhygienic drinking water (%)	Do not kno	W	
	Reasons	Minimise wa	-			% of people using neighbor's well for drinking	30		
		Providing re	ading systen	n		Problems in non-piped water supply area	Iron,		
	ordability (answered by pourashava staff)	10.000			3. F	Potential Water Sources for Non-Piped		WQ problems	
	verage household income/month (Tk)	10,000				Potential water sources Shallow well	Evaluation		
	Affordability for piped water (Tk/month) ffordable price in total household income (%)	300 3.00				Deep well	Moderate High	N	
	ng Water Sources in Non-Piped Wa		, Araa			Surface water sources	півіі	IN .	
Z. EXILI	Source	Nos. of source	Drinking (%)	Domestic (%)	Ì	Other sources	Yes		
F	liver	0	0	0		Decrease of ground water level	103		
	hallow well	4,330	85	45		Shallow well (m/year)	Not known		
_	Deep well	6	15	5		Deep well (m/year)	Not known		
	Ponds	250	0	50					
С	Other sources	0	0	0					

Chaugachha

A. Pourashava Profile								
Class	С				Sanitation coverage			
Division	Khulna				Latrine with septic tank (%)	25.0		
District	Jessore				Water sealed slab latrine (%)	65.0		
Year established	2004				Water-related diseases	, Diarrhea,	, , Dysentery,	
Contact Tel/Fax	Tel: 04224-5	6244, Fax : 0	4224-56144					
E-mail	mayorchov	/gacha@gm	nail.com		Technical staff (Nos.)	5		
Population (FY2010/2011)	22,343				Financial statements (2010/2011)	0		
Nos. of households (FY2010/2011)	3,536				Annual budget (Tk)	19,801,505	5	
Literacy (%)	75.0				Revenue (Tk)	9,152,563		
Land area (km²)	11.7				Expenditure (Tk)	10,215,000		
Residential area (km²)	7.0				Computerization		ment, Rate schedule and	
Residential area pop. density (persons/ha)	32					logical budget	aration, Engineering, Yearly preparation.	
Electricity coverage (%)	98.0				Committee formed		,,,,	
Electricity availability (hrs)					TLCC /Frequency of meeting	No		
Summer	7				WATSAN/Frequency of meeting	No		
Winter	Winter 14							
D. Non-Piped Water Supply Area								
1. Necessity of Piped Water Supply					Main treatment method in domestic	None, , ,		
Necessity of					As contaminated wells (Nos.)	Do not know		
Piped water	Yes				Arsenic contaminated water supply (%)	Do not know		
Water meter	Yes				Unhygienic drinking water (%)	Do not know		
Reasons	- For accurecy of	of billing system	in the		% of people using neighbor's well for drinking	20		
	consumed of w - For reduce of				Problems in non-piped water supply area	In sufficient water supply is		
	revenue from v		LIUII UI actual			summer sea	ason., Iron	
Affordability (answered by pourashava staff)				3. F	Potential Water Sources for Non-Piped	Water Su	ipply System	
Average household income/month (Tk)	12,000				Potential water sources	Evaluation	WQ problems	
Affordability for piped water (Tk/month)	Do not kno	w			Shallow well	None	Iron	
Affordable price in total household income (%)	Do not kno	w			Deep well	-	-	
2. Exiting Water Sources in Non-Piped W	ater Suppl	/ Area			Surface water sources	None	-	
Source	Nos. of source	Drinking (%)	Domestic (%)		Other sources	Yes	-	
River	0	0	15		Decrease of ground water level			
Shallow well	2,850	100	85		Shallow well (m/year)	2.0		
Deep well	0	0	0		Deep well (m/year)	Not known		
Ponds	0	0	0					
Other sources	0	0	0					

Chunarughat

Chanaraghat								
A. Pourashava Profile								
Class	С				Sanitation coverage			
Division	Sylhet				Latrine with septic tank (%)	35.0		
District	Hobiganj				Water sealed slab latrine (%)	30.0		
Year established	2005				Water-related diseases	, Diarrhea,	, , Dysentery,	
Contact Tel/Fax	08325-56159,56006							
E-mail	chunarugha	atpau@yah	oo.com		Technical staff (Nos.)	3		
Population (FY2010/2011)	19,463	, -,			Financial statements (2010/2011)	0		
Nos. of households (FY2010/2011)	4,048				Annual budget (Tk)	94,172,367	7	
Literacy (%)	60.0				Revenue (Tk)	8,650,718		
Land area (km²)	8.1				Expenditure (Tk)	7,329,662		
Residential area (km²)	4.7				Computerization		gement, Accounting, Trade license,	
Residential area pop. density (persons/ha)	41						ate schedule and estimate rly logical budget preparation, ,	
Electricity coverage (%)	85.0				Committee formed			
Electricity availability (hrs)					TLCC /Frequency of meeting	Yes, 3 months		
Summer	20				WATSAN/Frequency of meeting	Yes, 3 months		
Winter	Winter 23							
D. Non-Piped Water Supply Area								
1. Necessity of Piped Water Supply					Main treatment method in domestic	, , , Filtration		
Necessity of					As contaminated wells (Nos.)	0		
Piped water	Yes	Yes			Arsenic contaminated water supply (%)	0		
Water meter	Yes	Yes			Unhygienic drinking water (%)	20		
Reasons	Water wastage w				% of people using neighbor's well for drinking	25		
	the volume of war of maximum cons				Problems in non-piped water supply area		maximum tubewell, In winter	
	they get pure wat					season, shallow v	well water level more decline.	
Affordability (answered by pourashava staff)				3. F	Potential Water Sources for Non-Piped	Water Su	pply System	
Average household income/month (Tk)	8,000				Potential water sources	Evaluation	WQ problems	
Affordability for piped water (Tk/month)	300				Shallow well	Modarate	0	
Affordable price in total household income (%)	3.75				Deep well	None	0	
2. Exiting Water Sources in Non-Piped W	2. Exiting Water Sources in Non-Piped Water Supply Area				Surface water sources	High	0	
Source	Nos. of source	Drinking (%)	Domestic (%)		Other sources	No	0	
River	1	0	5		Decrease of ground water level			
Shallow well	2,114	70	50		Shallow well (m/year)	2.5		
Deep well	906	30	20		Deep well (m/year)	2.0		
Ponds	105	0	25					
Other sources	8	0	0					

Daganbhuiyan

_	- 3 7 -								
1	A. Pourashava Profile								
П	Class	A				Sanitation coverage			
П	Division	Chittagong				Latrine with septic tank (%)	50.0		
П	District	Feni				Water sealed slab latrine (%)	38.0		
П	Year established	2000				Water-related diseases	Arsenicosis, D	iarrhea, , , , Y (Iron problem)	
П	Contact Tel/Fax	03323-79288	, 79388, Fax:	03323-79088					
П	E-mail	dagonbhuiya	npourashava	@gmail.com		Technical staff (Nos.)	4		
П	Population (FY2010/2011)	40,095				Financial statements (2010/2011)	0		
П	Nos. of households (FY2010/2011)	5,054				Annual budget (Tk)	12,508,528	3	
П	Literacy (%)	80.0				Revenue (Tk)	14,473,859)	
П	Land area (km²)	12.9				Expenditure (Tk)	12,691,336	5	
П	Residential area (km²)	4.3				Computerization		nagement, Accounting, Trade	
П	Residential area pop. density (persons/ha)	93				•		payment, Rate schedule and ration, Engineering, Yearly	
П	Electricity coverage (%)	90.0				Committee formed	estimate prepa	nation, Engineering, rearry	
П	Electricity availability (hrs)					TLCC /Frequency of meeting	Yes, 3 months		
П	Summer	15				WATSAN/Frequency of meeting	No		
П	Winter	20				, , ,			
ı	O. Non-Piped Water Supply Area								
1	. Necessity of Piped Water Supply					Main treatment method in domestic	, , , Filtration		
ı	Necessity of					As contaminated wells (Nos.)	250		
	Piped water	Yes				Arsenic contaminated water supply (%)	60		
	Water meter	Yes				Unhygienic drinking water (%)	5		
	Reasons	For prevent n	nisuse of wate	r. To know		% of people using neighbor's well for drinking	30		
		exact water c	onsumption a	nd		Problems in non-piped water supply area	Arsenic, Sal	ty water, Bad smell	
		development	of billing syste	em.					
	Affordability (answered by pourashava staff)				3. F	Potential Water Sources for Non-Piped	Water Su	pply System	
	Average household income/month (Tk)	10,000				Potential water sources	<u>Evaluation</u>	WQ problems	
	Affordability for piped water (Tk/month)	500				Shallow well	Moderate	Arsenic, Salty	
	Affordable price in total household income (%)	5.00				Deep well	High	Bad smell	
2	2. Exiting Water Sources in Non-Piped W	ater Suppl	y Area			Surface water sources	-	-	
	Source	Nos. of source	Drinking (%)	Domestic (%)		Other sources	No	-	
	River	2	0	25		Decrease of ground water level			
	Shallow well	12 60 40				Shallow well (m/year)	Not known		
	Deep well	3 34 20				Deep well (m/year)	Not known		
	Ponds	90	6	15					
	Other sources	0	0	0					
-									

Darshana

A. Pourashava Profile								
Class	В				Sanitation coverage			
Division	Khulna				Latrine with septic tank (%)	45.0		
	Chuadanga				Water sealed slab latrine (%)	25.0		
Year established	1991				Water-related diseases		Diarrhea, , , Dysentery,	
Contact Tel/Fax	Tel: 07632-51053				vvater related diseases	7 (1 501 1100 515)	, , , , , , , , , , , , , , , , , , , ,	
E-mail		51000			Technical staff (Nos.)	8		
	41,075				Financial statements (2010/2011)	0		
	6,867				Annual budget (Tk)	23,046,41	7	
Literacy (%)	65.0				Revenue (Tk)	7,244,370		
Land area (km²)	12.5				Expenditure (Tk)	8,913,712		
	8.1				Computerization		dule and estimate	
Residential area pop. density (persons/ha)	51					preparation, E		
Electricity coverage (%)	72.0				Committee formed			
Electricity availability (hrs)					TLCC /Frequency of meeting	No		
Summer	8				WATSAN/Frequency of meeting	No		
Winter	4							
D. Non-Piped Water Supply Area								
1. Necessity of Piped Water Supply					Main treatment method in domestic None, , ,			
Necessity of					As contaminated wells (Nos.)	1,500		
Piped water	Yes				Arsenic contaminated water supply (%)	18		
Water meter	Yes				Unhygienic drinking water (%)	Do not know		
Reasons	- Consumers pa		ling to water		% of people using neighbor's well for drinking	26		
	valume consum - To collect actu		a tha nublic		Problems in non-piped water supply area	Arsenic conta	aminated water, In the dry	
	- 10 collect actu	iai revenue iron	ii tile public.			season not e	nough water supply.	
Affordability (answered by pourashava staff)				3. F	Potential Water Sources for Non-Pipe	d Water Su	ipply System	
Average household income/month (Tk)	12,000				Potential water sources	Evaluation	WQ problems	
, , , , , , , ,	Do not kno	w			Shallow well	None	Iron, Arsenic	
Affordable price in total household income (%)	Do not kno	w			Deep well	-	-	
2. Exiting Water Sources in Non-Piped Water Supply Area				Surface water sources	-	-		
Source	Nos. of source	Drinking (%)	Domestic (%)		Other sources	Yes	-	
River	0	0	2		Decrease of ground water level			
Shallow well	4,500	100	96		Shallow well (m/year)	2.0		
Deep well	0	0	0		Deep well (m/year)	Not known		
Ponds	0	0	2					
Other sources	0	0	0					

Debiddar

Class B Chittagong Comilla Water sealed slab latrine (%) 25.0 Water setablished 2002 Water setablished 2002 Water sealed slab latrine (%) 25.0 Annual budget (TK) 14,818,500 Water sealed slab latrine (%) 20.0 Water sealed slab latrine (%) 25.0 Water seal	A. Pourashava Profile									
District Year established 2002 Contact Tel/Fax	Class	В				Sanitation coverage				
Year established Contact Tel/Fax 08808024-53143 debidwarpourashava@yahoo.com Population (FY2010/2011) Nos. of households (FY2010/2011) 9,500 Literacy (%) Land area (km²) Residential area (km²) Residential area (km²) Residential area (km²) Residential area (km²) Summer 10 Winter 20 D. Non-Piped Water Supply Area 1. Necessity of Piped water Water meter Reasons For proper water reading. Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Source Nos. of source River River 1 0 3 Shallow well Source Nos. of source Ponds No to None Not know None None None None None None None None	Division	Chittagong				Latrine with septic tank (%)	25.0			
Contact Tel/Fax	District	Comilla				Water sealed slab latrine (%)	25.0			
E-mail debidwarpourashava@yahoo.com Population (FY2010/2011) 51,718	Year established	2002				Water-related diseases	Arsenicosis, Diarrhea	, , , Dysentery, Y (Iron problem)		
Population (FY2010/2011) 51,718 Nos. of households (FY2010/2011) 9,500 Literacy (%) 70.0 Revenue (Tk) 14,818,500 Residential area (km²) 18.6 Residential area (km²) 4.7 Residential area (pop. density (persons/ha) 111 Electricity coverage (%) 90.0 Electricity availability (hrs) Summer 10 Winter 20 D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Yes Reasons For proper water reading. Affordability (answered by pourashava staff) Average household income/month (Tk) 10,000 Affordability for piped water (TK/month) Affordability for piped water Supply Area Source Nos. of source Prinking (%) Donestic (%) River 1 0 3 Shallow well 500 90 7 7 Deep well 2 2 10 5 Ponds 100 0 85	Contact Tel/Fax	08808024-	53143							
Nos. of households (FY2010/2011) 9,500 Literacy (%) 70.0 Revenue (Tk) 14,915,000 Literacy (%) 70.0 Revenue (Tk) 14,818,500 Residential area (km²) 4.7 Residential area pop. density (persons/ha) 111 Electricity coverage (%) 90.0 Committee formed Electricity availability (hrs) Vinter 20 D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necesity of Piped water Yes Reasons For proper water reading. Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordability for piped water (T	E-mail	debidwarp	ourashava@	yahoo.com		Technical staff (Nos.) 5				
Literacy (%)	Population (FY2010/2011)	51,718				Financial statements (2010/2011)	0			
Land area (km²) Residential area (km²) Residential area pop. density (persons/ha) Electricity coverage (%) Electricity coverage (%) Electricity availability (hrs) Summer Winter 20 D. Non-Piped Water Supply Area 1. Necessity of Piped Water Water meter Reasons For proper water reading. Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordability for piped water (Tk/mont	Nos. of households (FY2010/2011)	9,500				Annual budget (Tk)	14,915,000			
Residential area (km²) Residential area pop. density (persons/ha) Electricity coverage (%) Summer Winter D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped Water Yes Reasons For proper water reading. Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability (answered by nourashava staff) Affordability for piped water (Tk/month) Af	Literacy (%)	70.0				Revenue (Tk)	14,818,500			
Residential area pop. density (persons/ha) Electricity coverage (%) Electricity availability (hrs) Summer Winter 20 D. Non-Piped Water Supply Area 1. Necessity of Piped water Yes Reasons For proper water reading. Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordability for piped water (%) Source Source Source Nos. of source Nos. of source Shallow well Source River Shallow well Ponds 10 Committee formed TLCC /Frequency of meeting WATSAN/Frequency of meeting No Watsan/Frequency of meeting Watsan/Frequency of meeting No of the source of the specifical staff of the specific	Land area (km²)	18.6				Expenditure (Tk)	14,818,500			
Electricity coverage (%) 90.0 Committee formed TLCC /Frequency of meeting WATSAN/Frequency of meeting No MATSAN/Frequency of meeting WATSAN/Frequency of meeting WATSAN/Frequency of meeting WATSAN/Frequency of meeting No MATSAN/Frequency of meeting WATSAN/Frequency of meeting Yes, 3 months No MATSAN/Frequency of meeting Yes, 3 months No MATSAN/Frequency of meeting Yes, 3 months No No No MATSAN/Frequency of meeting Yes, 3 months No No No No No MATSAN/Frequency of meeting Yes, 3 months No No No No No No No No No MATSAN/Frequency of meeting Yes, 3 months No	Residential area (km²)	4.7				Computerization	Holding tax manage	ment, , , , Rate schedule and		
Electricity availability (hrs) Summer Winter D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons For proper water reading. Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordability for piped water (Tk/month) Affordability for piped water Supply Area Source No. No. TLCC /Frequency of meeting WATSAN/Frequency of meeting No Main treatment method in domestic As contaminated wells (Nos.) Do not know Unhygienic drinking water (%) Ound know Do not know Do	Residential area pop. density (persons/ha)	111					estimate preparatio	n, Engineering, , ,		
Summer 10 WATSAN/Frequency of meeting No D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Yes Water meter Yes Reasons For proper water reading. Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordabile price in total household income (%) 2. Exiting Water Sources in Non-Piped Water Supply Area Source Nos. of source Drinking (%) Sollow well 500 90 7 Deep well 500 90 7 Deep well 2 10 5 Ponds 100 0 85	Electricity coverage (%)	90.0				Committee formed				
D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Supply Necessity of Piped water Water meter Reasons For proper water reading. Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordability for piped water (Tk/month) Affordability for piped water (Tk/month) Affordability for piped water Supply Area Source Nos. of source Nos. of source Nos. of source Nos. of source Shallow well Deep well (m/year) Not known Deep well (m/year) Not known Deep well (m/year) Not known	Electricity availability (hrs)					TLCC /Frequency of meeting	Yes, 3 months	Yes, 3 months		
D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons For proper water reading. Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordabile price in total household income (%) Source Nos. of source River Shallow well Shallow well Ponds Main treatment method in domestic As contaminated wells (Nos.) Do not know Unhygienic drinking water (%) On ont know Do not know Do not know Arsenic Contaminated water supply (%) Do not know Do not know Arsenic (Reported by pourashava), Iron 3. Potential Water Sources for Non-Piped Water Supply System Potential water sources Shallow well Moderate Not known Deep well High Not known Other sources No Decrease of ground water level Shallow well (m/year) Not known Not known Not known Not known Not known Deep well (m/year) Not known Not known	Summer	10				WATSAN/Frequency of meeting	No			
1. Necessity of Piped Water Supply Necessity of Piped water supply (%) Do not know Do not know Do not know Piped water supply area Piped water supply System Potential water sources Noderate Not known Piped water Supply System Potential water sources Shallow well Poep well (m/year) Poep well (m/year) Not known	Winter	20								
Necessity of Piped water Water meter Reasons For proper water reading. Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordability for piped water (Tk/month) Affordability for piped water (Tk/month) Affordability for piped water Supply Area Source River Source River Shallow well Shallow well Deep well Do not know Arsenic contaminated water supply (%) Do not know Do not know Arsenic(Reported by pourashava), Iron As contaminated wells (Nos.) Arsenic contaminated water supply (%) Do not know Arsenic(Reported by pourashava), Iron As contaminated water supply (%) Do not know Arsenic contaminated water supply and Arsenic contami	D. Non-Piped Water Supply Area									
Piped water Water meter Reasons For proper water reading. Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordability for piped water (Tk/month) Affordability for piped water (Tk/month) Affordability for piped water Supply Area Source Nos. of source Nos. of source Prinking (%) Do not know Do not know Arsenic (Reported by pourashava), Iron 3. Potential Water Sources for Non-Piped Water Supply System Potential water sources Shallow well Deep well Surface water sources None Valuation WQ problems Shallow well Deep well Surface water sources None Valuation WQ problems Shallow well Deep well Surface water sources None Valuation WQ problems Shallow well Deep well Surface water sources None Valuation WO problems Shallow well Deep well Surface water sources None Valuation WO problems Shallow well Deep well Surface water sources None Valuation WG problems Shallow well Not known Not known Deep well (m/year) Deep well (m/year) Not known Not known	1. Necessity of Piped Water Supply					Main treatment method in domestic	, Boiling, , Filtration			
Water meter Reasons For proper water reading. Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) Source River Shallow well Shallow well Deep well Ponds Source Shallow well Source Shallow well Source Shallow well Source Shallow well Shal	Necessity of					As contaminated wells (Nos.)	Do not know			
Reasons For proper water reading. Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) Source River Shallow well Shallow well Deep well Ponds Deep well Ponds For proper water reading. % of people using neighbor's well for drinking Problems in non-piped water supply area % of people using neighbor's well for drinking Problems in non-piped water supply area % of people using neighbor's well for drinking Problems in non-piped water supply area **Sources for Non-Piped Water Supply System Potential water sources Potential water sources Shallow well Moderate Not known Surface water sources None Unhygenic((polluted by human waste)) Other sources No pecrease of ground water level Shallow well (m/year) Not known Not known Not known Not known Not known Deep well (m/year) Not known	Piped water	Yes				Arsenic contaminated water supply (%)	Do not know			
Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordabile price in total household income (%) 2. Exiting Water Sources in Non-Piped Water Supply Area Source River Shallow well Shallow well Deep well Shallow well Shallow well Deep well Shallow well Shallow well Deep well Shallow	Water meter	Yes				Unhygienic drinking water (%)	Do not know			
Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordabile price in total household income (%) 2. Exiting Water Sources in Non-Piped Water Supply Area Source River Shallow well Shallow wel	Reasons	For proper	water read	ing.		% of people using neighbor's well for drinking				
Average household income/month (TK) Affordability for piped water (Tk/month) Affordabile price in total household income (%) 2. Exiting Water Sources in Non-Piped Water Supply Area Source River Shallow well Shallow well Shallow well Source River Shallow well Shallow well Shallow well Source River Shallow well Source Shallow well Source Shallow well Source River Shallow well Source Shallow well Source Shallow well Surface water sources None Other sources No Decrease of ground water level Shallow well (m/year) Not known Deep well (m/year) Not known Not known						Problems in non-piped water supply area	Arsenic(Reporte	ed by pourashava), Iron		
Average household income/month (TK) Affordability for piped water (Tk/month) Affordabile price in total household income (%) 2. Exiting Water Sources in Non-Piped Water Supply Area Source River Shallow well Shallow well Shallow well Source River Shallow well Shallow well Shallow well Source River Shallow well Source Shallow well Source Shallow well Source River Shallow well Source Shallow well Source Shallow well Surface water sources None Other sources No Decrease of ground water level Shallow well (m/year) Not known Deep well (m/year) Not known Not known										
Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Water Supply Area Source Nos. of source Prinking (%) Shallow well Deep well Surface water sources None Unhygenic((poliuted by human waste) Other sources No Decrease of ground water level Shallow well (m/year) Not known Deep well (m/year) Not known Not known Not known	Affordability (answered by pourashava staff)				3. P	Potential Water Sources for Non-Piped	Water Suppl	y System		
Affordable price in total household income (%) 5.00 2. Exiting Water Sources in Non-Piped Water Supply Area Source Nos. of source Drinking (%) Domestic (%) River 1 0 3 Shallow well 500 90 7 Deep well 2 10 5 Ponds 100 0 85 Deep well High not known Other sources None Unhygenic((polluted by human waste)) Surface water sources None Unhygenic((polluted by human waste)) Other sources No - Decrease of ground water level Shallow well (m/year) Not known Deep well (m/year) Not known	Average household income/month (Tk)	10,000						WQ problems		
2. Exiting Water Sources in Non-Piped Water Supply Area Source	, , , , , , , , , , , , , , , , , , , ,	500				Shallow well	Moderate	Not known		
Source	Affordable price in total household income (%)	5.00				Deep well	High	not known		
River	2. Exiting Water Sources in Non-Piped W	ater Supply Area			,	Surface water sources		Unhygenic((polluted by human waste)		
Shallow well 500 90 7 Shallow well (m/year) Not known Deep well 2 10 5 Deep well (m/year) Not known Ponds 100 0 85 Not known	Source						No	-		
Deep well 2 10 5 Deep well (m/year) Not known Ponds 100 0 85			_	_						
Ponds 100 0 85				·						
	,			_		Deep well (m/year)	Not known			
			-							
Other sources 0 0 0	Other sources	0	0	0						

A. F	Pourashava Profile								
	Class	С				Sanitation coverage			
	Division	Sylhet				Latrine with septic tank (%)	60.0		
	District	Sunamgonj				Water sealed slab latrine (%)	30.0	30.0	
	Year established	1999				Water-related diseases	, Diarrhea, , Ty	phoid, Dysentery,	
	Contact Tel/Fax	08724-564	88						
	E-mail					Technical staff (Nos.)	7		
	Population (FY2010/2011)	35537				Financial statements (2010/2011)	0		
	Nos. of households (FY2010/2011)	3421				Annual budget (Tk)	59,520,138		
	Literacy (%)	45.0				Revenue (Tk)	9,520,138		
	Land area (km²)	6.5				Expenditure (Tk)	6,670,900		
	Residential area (km²)	3.6				Computerization			
	Residential area pop. density (persons/ha)	99					,,,,,,,		
	Electricity coverage (%)	80.0				Committee formed			
	Electricity availability (hrs)					TLCC /Frequency of meeting	No		
	Summer	8				WATSAN/Frequency of meeting	No		
	Winter	12							
D. I	Non-Piped Water Supply Area								
1. N	ecessity of Piped Water Supply					Main treatment method in domestic	, Boiling, , Filtration		
	Necessity of				As contaminated wells (Nos.)	0			
	Piped water	Yes			Arsenic contaminated water supply (%)	0			
	Water meter	Yes			Unhygienic drinking water (%)	10			
	Reasons	- To solve the	ir water dema	and		% of people using neighbor's well for drinking	20		
			bility to pay w	ater meter		Problems in non-piped water supply area	Water contains iron on STW, Shotage of pure water poura pepple suffering water borne diesseas		
		bill.							
	Affordability (answered by pourashava staff)				3. F	Potential Water Sources for Non-Pipe	Water Suppl	y System	
	Average household income/month (Tk)	15,000				Potential water sources	<u>Evaluation</u>	<u>WQ problems</u>	
		200				Shallow well	High	Iron	
	Affordable price in total household income (%)	1.33				Deep well	Do not know	Do not know	
2. E	xiting Water Sources in Non-Piped Wa	ater Suppl	y Area			Surface water sources	High	No problem	
	Source	Nos. of source	Drinking (%)	Domestic (%)		Other sources	Yes	-	
	River	1	10	40		Decrease of ground water level			
	Shallow well	125	80	30		Shallow well (m/year)	0.3		
	Deep well	0	0	0		Deep well (m/year)	Not known		
	Ponds	60	10	30					
	Other sources	0	0	0					

Dewanganj

A. Pourashava Profile							
Class	С				Sanitation coverage		
Division	Dhaka				Latrine with septic tank (%)	20.0	
District	Jamalpur				Water sealed slab latrine (%)	75.0	
Year established	1999				Water-related diseases	Arsenicosi	s, , , Typhoid, ,
Contact Tel/Fax	098237514	15,01711629	9509				,,
E-mail		•			Technical staff (Nos.)	6	
Population (FY2010/2011)	50,000				Financial statements (2010/2011)	0	
Nos. of households (FY2010/2011)	8,529				Annual budget (Tk)	32,873,24	9
Literacy (%)	70.0				Revenue (Tk)	23,852,60	
Land area (km²)	20.0				Expenditure (Tk)	20,038,70	
Residential area (km²)	7.0				Computerization		ment, Rate schedule and
Residential area pop. density (persons/ha)	71						aration, Engineering, Yearly preparation, Procurement,
Electricity coverage (%)	70.0				Committee formed	logical budget	preparation, Procurement,
Electricity availability (hrs)	7 010				TLCC /Frequency of meeting	Yes, 3 moi	nths
Summer	8				WATSAN/Frequency of meeting	No	
Winter	12				The transfer of the carrie		
D. Non-Piped Water Supply Area							
					Nacio turatura est un esta estimato de la consectio	None	
1. Necessity of Piped Water Supply					Main treatment method in domestic	None, , ,	
Necessity of	V				As contaminated wells (Nos.)	3	
Piped water	Yes				Arsenic contaminated water supply (%)	3	
Water meter	Yes		and the little		Unhygienic drinking water (%)	10	
Reasons		r and collect the amount of non-r			% of people using neighbor's well for drinking	20), The water level in their shallow
					Problems in non-piped water supply area		lining during dry period.
ACC LIVING A STATE OF THE STATE				2 5		1 14/- t C.	
Affordability (answered by pourashava staff)	F 000			3. P	Potential Water Sources for Non-Pipe		· · · · · · · · · · · · · · · · · · ·
Average household income/month (Tk)	5,000				Potential water sources	Evaluation	
Affordability for piped water (Tk/month) Affordable price in total household income (%)	100				Shallow well	None	Arsenic, Iron (Fe)
	2.00				Deep well	High	No problem
2. Exiting Water Sources in Non-Piped W	1	f -	D	1	Surface water sources	- No	-
Source	Nos. of source		Domestic (%)		Other sources	No	-
River		95	0 85		Decrease of ground water level	0.2	
Shallow well	4,500	95 5	85	-	Shallow well (m/year)	0.3 0.5	
Deep well	1				Deep well (m/year)	0.5	
Ponds	20	0	7				
Other sources	0	0	0				

Dhamirhat

Dilailiiliat							a water supply system
A. Pourashava Profile							
Class	В				Sanitation coverage		
Division	Rajshahi				Latrine with septic tank (%)	60.0	
District	Naogaon				Water sealed slab latrine (%)	30.0	
Year established	2004				Water-related diseases	, Diarrhea,	, , Dysentery,
Contact Tel/Fax	Tel: 0724-5	6076					,
E-mail					Technical staff (Nos.)	5	
Population (FY2010/2011)	14,567				Financial statements (2010/2011)	0	
Nos. of households (FY2010/2011)	3,046				Annual budget (Tk)	25,448,874	4
Literacy (%)	65.0				Revenue (Tk)	13,602,779	
Land area (km²)	11.2				Expenditure (Tk)	18,562,595	5
Residential area (km²)	5.6				Computerization		anagement, Accounting, Trade
Residential area pop. density (persons/ha)	26				·		schedule and estimate ngineering, Yearly logical
Electricity coverage (%)	80.0				Committee formed	preparation, E	ngineering, rearry logical
Electricity availability (hrs)					TLCC /Frequency of meeting	Yes, 6 mor	nths
Summer	16				WATSAN/Frequency of meeting	Yes, Once	a year
Winter	20						
D. Non-Piped Water Supply Area							
1. Necessity of Piped Water Supply					Main treatment method in domestic	None, , ,	
Necessity of					As contaminated wells (Nos.)	None	
Piped water	Yes				Arsenic contaminated water supply (%)	0	
Water meter	Yes				Unhygienic drinking water (%)	0	
Reasons	For wastage r	eduction & bi	lling as per		% of people using neighbor's well for drinking	20	
	meter, water	meter installa	ition		Problems in non-piped water supply area	Few water	available in hand tube
	required.					well in dry	season.,
Affordability (answered by pourashava staff)				3. F	Potential Water Sources for Non-Pipe	Water Su	ipply System
Average household income/month (Tk)	10,000				Potential water sources	Evaluation	WQ problems
Affordability for piped water (Tk/month)	200				Shallow well	High	Iron
Affordable price in total household income (%)	2.00				Deep well	High	No Iron
2. Exiting Water Sources in Non-Piped W	ater Supply	y Area			Surface water sources	No data	No data
Source	Nos. of source	Drinking (%)	Domestic (%)		Other sources	No	-
River	0	0	0		Decrease of ground water level		
Shallow well	2,500	100	100		Shallow well (m/year)	0.3 - 0.5	
Deep well	0	0	0		Deep well (m/year)	0.3 - 0.5	
Ponds	0	0	0				
Other sources	0	0	0				

Dhamrai

A. Pourashava Profile								
Class	В				Sanitation coverage			
Division	Dhaka				Latrine with septic tank (%)	28.0		
District	Dhaka				Water sealed slab latrine (%)	35.0		
Year established	1999				Water-related diseases	Arsenicosi	S	
Contact Tel/Fax	062227107	'8					-77777	
E-mail					Technical staff (Nos.)	11		
Population (FY2010/2011)	125,000				Financial statements (2010/2011)	0		
Nos. of households (FY2010/2011)	6,200				Annual budget (Tk)	81,914,27	9	
Literacy (%)	44.0				Revenue (Tk)	23,223,68		
Land area (km²)	7.0				Expenditure (Tk)	29,265,28	7	
Residential area (km²)	3.8				Computerization	Holding tax m	anagement, Accounting, Trade	
Residential area pop. density (persons/ha)	326						payment, , , , ,	
Electricity coverage (%)	100.0				Committee formed			
Electricity availability (hrs)					TLCC /Frequency of meeting	Yes, 4 mor	nths	
Summer	14				WATSAN/Frequency of meeting	No		
Winter	16-18							
D. Non-Piped Water Supply Area								
1. Necessity of Piped Water Supply					Main treatment method in domestic	, Boiling, ,		
Necessity of					As contaminated wells (Nos.)	0		
Piped water	Yes				Arsenic contaminated water supply (%)	0		
Water meter	Yes				Unhygienic drinking water (%)	5		
Reasons	Using limit	ed water			% of people using neighbor's well for drinking	15		
					Problems in non-piped water supply area	Water disease, because water is not safe,		
							ater. We use lots of water	
Affordability (answered by pourashava staff)				3. F	Potential Water Sources for Non-Pipe	d Water Su	upply System	
Average household income/month (Tk)	20,000				Potential water sources	Evaluation	WQ problems	
Affordability for piped water (Tk/month)	ND				Shallow well	High	-	
Affordable price in total household income (%)	1.00				Deep well	High	Fair	
2. Exiting Water Sources in Non-Piped W		y Area	1	1	Surface water sources	None	Dirty water	
Source	Nos. of source	Drinking (%)	Domestic (%)		Other sources	No	-	
River	1	0	60		Decrease of ground water level			
Shallow well	3,000	45	10		Shallow well (m/year)	2.0		
Deep well	N/A	40	10		Deep well (m/year)	Not known		
Ponds	25	5	15					
Other sources	0	10	5					

Dhanbari

Brianibari						· ·		
A. Pourashava Profile								
Class	В				Sanitation coverage			
Division	Dhaka				Latrine with septic tank (%)	7.0		
District	Tangail				Water sealed slab latrine (%)	92.0		
Year established	1996				Water-related diseases	Arsenicosis	, Diarrhea, , Typhoid, ,	
Contact Tel/Fax	017128518	67						
E-mail	mayordhar	nbari@gmai	l.com		Technical staff (Nos.)	6		
Population (FY2010/2011)	36,008	- 0			Financial statements (2010/2011)	0		
Nos. of households (FY2010/2011)	7,073				Annual budget (Tk)	31,046,453	3	
Literacy (%)	70.0				Revenue (Tk)	11,229,320)	
Land area (km²)	24.9				Expenditure (Tk)	7,866,000		
Residential area (km²)	6.5				Computerization		nent, Accounting, Trade license, Salary	
Residential area pop. density (persons/ha)	56						ule and estimate preparation, Engineering, preparation, Procurement,	
Electricity coverage (%)	75.0				Committee formed			
Electricity availability (hrs)					TLCC /Frequency of meeting	Yes, 3 mor	nths	
Summer	6				WATSAN/Frequency of meeting	No		
Winter	14							
D. Non-Piped Water Supply Area								
1. Necessity of Piped Water Supply					Main treatment method in domestic	None, , ,		
Necessity of					As contaminated wells (Nos.)	4		
Piped water	Yes				Arsenic contaminated water supply (%)	1		
Water meter	Yes				Unhygienic drinking water (%)	5		
Reasons	- To save w	ater from v	vastage.		% of people using neighbor's well for drinking	5		
	- To collect		Ü		Problems in non-piped water supply area	Excessive dissolved iron & Arsenic in shallow well		
						Lowering of grou	and water level during dry season.	
Affordability (answered by pourashava staff)				3. F	Potential Water Sources for Non-Pipe	Water Su	ipply System	
Average household income/month (Tk)	6,000				Potential water sources	Evaluation	WQ problems	
Affordability for piped water (Tk/month)	200				Shallow well	None	Arsenic and Iiron	
Affordable price in total household income (%)	3.30				Deep well	High	No problem	
2. Exiting Water Sources in Non-Piped W	ater Supply	y Area			Surface water sources	-	-	
Source	Nos. of source	Drinking (%)	Domestic (%)		Other sources	No	-	
River	0	0	0		Decrease of ground water level			
Shallow well	5,500	90	65		Shallow well (m/year)	0.3		
Deep well	8	7	5		Deep well (m/year)	0.5		
Ponds	122	3	30					
Other sources	0	0	0					

Dhunat

A. Pourashava Profile									
	Class								
Division	Rajshahi				Sanitation coverage Latrine with septic tank (%)	%) 10.0			
District	,				Water sealed slab latrine (%)	85.0			
Year established	Bogra 2001				Water-related diseases		Ducantani		
Contact Tel/Fax	Tel: 05023-	FC1F1			water-related diseases	, Diarrilea,	, , , Dysentery,		
E-mail					Task rical staff (Nos.)	4			
=		ra.bogra@g	gman.com		Technical staff (Nos.)	4 0			
Population (FY2010/2011)	16,996				Financial statements (2010/2011)	•	4		
Nos. of households (FY2010/2011)	3,016				Annual budget (Tk)	55,748,74			
Literacy (%)	70.0				Revenue (Tk)	11,830,29	2		
Land area (km²)	5.9				Expenditure (Tk)	8,718,920	dule and estimate		
Residential area (km²)	1.8				Computerization		ngineering, Yearly logical		
Residential area pop. density (persons/ha)	96					budget prepar	ration, ,		
Electricity coverage (%)	80.0				Committee formed				
Electricity availability (hrs)					TLCC /Frequency of meeting	Yes, 3 months (not regular coordinating meeting) Yes, 3 months (not regular meeting)			
Summer	10				WATSAN/Frequency of meeting	Yes, 3 mont	ns (not regular meeting)		
Winter	18								
D. Non-Piped Water Supply Area									
1. Necessity of Piped Water Supply					Main treatment method in domestic	None, , ,			
Necessity of					As contaminated wells (Nos.)	None			
Piped water	Yes				Arsenic contaminated water supply (%)	0			
Water meter	Yes				Unhygienic drinking water (%)	3			
Reasons		roper use of wa			% of people using neighbor's well for drinking	30			
		ty of water used iter not billed, (i			Problems in non-piped water supply area		of hand pump is not		
	etc.	, ,				sufficient, N			
Affordability (answered by pourashava staff)				3. P	Potential Water Sources for Non-Pipe	<mark>d</mark> Water Տւ	upply System		
Average household income/month (Tk)	10,000				Potential water sources	Evaluation	WQ problems		
Affordability for piped water (Tk/month)	200				Shallow well	Moderate	More iron, low discharge in summer season		
Affordable price in total household income (%)	2.00				Deep well	-	-		
2. Exiting Water Sources in Non-Piped W	ater Supply Area				Surface water sources	Moderate	- Bacteria contaminated- Turbidity high		
Source	Nos. of source	Drinking (%)	Domestic (%)		Other sources	No	-		
River	2	0	5		Decrease of ground water level				
Shallow well	1,692	100	95		Shallow well (m/year)	0.2			
Deep well	0	0	0		Deep well (m/year)	Not known			
Ponds	5	0	0						
Other sources	0	0	0						

Dhupchachia

Dnupcnacnia					WI	th Non-Pipe	d Water Supply System	
A. Pourashava Profile								
Class	В				Sanitation coverage			
Division	Rajshahi				Latrine with septic tank (%)	30.0		
District	Bogra				Water sealed slab latrine (%)	60.0		
Year established	2000				Water-related diseases	, , , , Dysen	tery,	
Contact Tel/Fax	Tel: 05024-	51094						
E-mail					Technical staff (Nos.)	10		
Population (FY2010/2011)	31,325				Financial statements (2010/2011)	0		
Nos. of households (FY2010/2011)	4,626				Annual budget (Tk)	146,249,83	31	
Literacy (%)	73.0				Revenue (Tk)	28,604,904	1	
Land area (km²)	10.3				Expenditure (Tk)	28,367,000		
Residential area (km²)	5.2				Computerization		gement, Accounting, Trade license, ,	
Residential area pop. density (persons/ha)	60						estimate preparation, Engineering, get preparation, Procurement,	
Electricity coverage (%)	80.0				Committee formed			
Electricity availability (hrs)					TLCC /Frequency of meeting	Yes, 3 months (n	ot regular coordinating meeting)	
Summer	12				WATSAN/Frequency of meeting	No		
Winter	20							
D. Non-Piped Water Supply Area								
1. Necessity of Piped Water Supply					Main treatment method in domestic	None, , ,		
Necessity of					As contaminated wells (Nos.)	None		
Piped water	Yes				Arsenic contaminated water supply (%)	0		
Water meter	Yes				Unhygienic drinking water (%)	5		
Reasons	- Analysis of water o	onsumption			% of people using neighbor's well for drinking	10		
	- Quantity of water :				Problems in non-piped water supply area		in summer season, Problem	
	 Ensure the proper Leakage, problem id 					of low water to	able in dry season	
Affordability (answered by pourashava staff)				3. F	Potential Water Sources for Non-Pipe	d Water Su	pply System	
Average household income/month (Tk)	7,000				Potential water sources	Evaluation	WQ problems	
Affordability for piped water (Tk/month)	100				Shallow well	High	Less iron	
Affordable price in total household income (%)	1.45				Deep well	-	-	
2. Exiting Water Sources in Non-Piped W	ater Suppl	y Area		i	Surface water sources	-	-	
Source	Nos. of source	Drinking (%)	Domestic (%)		Other sources	No	-	
River	0	0	0		Decrease of ground water level			
Shallow well	1,850	100	75		Shallow well (m/year)	0.2		
Deep well	0	0	0		Deep well (m/year)	Not known		
Ponds	35	0	25					
Other sources	0	0	0					

Dohar

A. Pourashava Profile							
Class	Α				Sanitation coverage		
Division	Dhaka				Latrine with septic tank (%)	28.0	
District	Dhaka				Water sealed slab latrine (%)	35.0	
Year established	36576				Water-related diseases	Arsenicosis	s, , , , ,
Contact Tel/Fax	8806223-5	6087/88062	223-56116				
E-mail					Technical staff (Nos.)	11	
Population (FY2010/2011)	77,434				Financial statements (2010/2011)	0	
Nos. of households (FY2010/2011)	14,119				Annual budget (Tk)	81,914,279)
Literacy (%)	81.0				Revenue (Tk)	23,223,687	7
Land area (km²)	21.2				Expenditure (Tk)	29,265,287	7
Residential area (km²)	13.2				Computerization	Holding tax ma	anagement, Accounting, Trade
Residential area pop. density (persons/ha)	59					license, Salary	payment, , , , ,
Electricity coverage (%)	95.0				Committee formed		
Electricity availability (hrs)					TLCC /Frequency of meeting	Yes, 4 mon	iths
Summer	8-12				WATSAN/Frequency of meeting	No	
Winter	12-16						
D. Non-Piped Water Supply Area							
1. Necessity of Piped Water Supply					Main treatment method in domestic	None, , ,	
Necessity of					As contaminated wells (Nos.)	2,176	
Piped water	Yes				Arsenic contaminated water supply (%)	5	
Water meter	No				Unhygienic drinking water (%)	5	
Reasons					% of people using neighbor's well for drinking	80	
					Problems in non-piped water supply area		(arsenic contamination),
							ell (iron contamination)
Affordability (answered by pourashava staff)				3. F	Potential Water Sources for Non-Piper		
Average household income/month (Tk)	15,000				Potential water sources	Evaluation	WQ problems
Affordability for piped water (Tk/month)	182				Shallow well	None	As problem
Affordable price in total household income (%)	1.20				Deep well	High. AIRP is necessary	Iron to some extentWater table going down day by day
2. Exiting Water Sources in Non-Piped W		•		7	Surface water sources	None	Excessive turbidity in rainy season
Source	Nos. of source		Domestic (%)		Other sources	No	-
River	0	0	10		Decrease of ground water level		
Shallow well	1,200	0	10		Shallow well (m/year)	Not known	
Deep well	520	100	20		Deep well (m/year)	Not known	
Ponds	75	0	60				
Other sources	0	0	0				

Domar

Domai								
A. Pourashava Profile								
Class	С				Sanitation coverage			
Division	Rangpur				Latrine with septic tank (%)	20.0		
District	Nilphamari				Water sealed slab latrine (%)	60.0		
Year established	1999				Water-related diseases	, Diarrhea,	, , Dysentery,	
Contact Tel/Fax	0							
E-mail					Technical staff (Nos.)	1		
Population (FY2010/2011)	18,284				Financial statements (2010/2011)	0		
Nos. of households (FY2010/2011)	3,737				Annual budget (Tk)	6,724,297		
Literacy (%)	87.0				Revenue (Tk)	3,411,333		
Land area (km²)	9.4				Expenditure (Tk)	3,393,988		
Residential area (km²)	4.2				Computerization		dule and estimate	
Residential area pop. density (persons/ha)	43						ngineering, Yearly logical ation, Procurement,	
Electricity coverage (%)	90.0				Committee formed	budget prepar	acion, i rocarement,	
Electricity availability (hrs)					TLCC /Frequency of meeting	No		
Summer	12				WATSAN/Frequency of meeting	Yes, 1 month		
Winter	18							
D. Non-Piped Water Supply Area								
1. Necessity of Piped Water Supply					Main treatment method in domestic	None, , ,		
Necessity of					As contaminated wells (Nos.)	0		
Piped water	Yes				Arsenic contaminated water supply (%)	0		
Water meter	Yes				Unhygienic drinking water (%)	2		
Reasons	- To calculate	total water su	apply.		% of people using neighbor's well for drinking	2		
	- To detect &	•			Problems in non-piped water supply area	More iron,	The depth of hand	
	-To caculate o	ost of water s	supply.			pump is no	t enough	
Affordability (answered by pourashava staff)				3. F	Potential Water Sources for Non-Pipe	<mark>d</mark> Water Տւ	ipply System	
Average household income/month (Tk)	10,000				Potential water sources	Evaluation	WQ problems	
	100				Shallow well	High	More iron	
Affordable price in total household income (%)	1.00				Deep well	-	-	
2. Exiting Water Sources in Non-Piped W	ater Supply	y Area			Surface water sources	-	-	
Source	Nos. of source	Drinking (%)	Domestic (%)		Other sources	No	-	
River	1	0	0		Decrease of ground water level			
Shallow well	4,000	100	100		Shallow well (m/year)	0.3		
Deep well	0	0	0		Deep well (m/year)	Not known		
Ponds	35	0	0					
Other sources	0	0	0					

Doulatkhan

A. Pourashava Profile							
Class	В				Sanitation coverage		
Division	Barisal				Latrine with septic tank (%)	10.0	
District	Bhola				Water sealed slab latrine (%)	20.0	
Year established	1998				Water-related diseases	Arsenicosis, Di	arrhea, , Typhoid, ,
Contact Tel/Fax	04924-561	56					
E-mail	doulatkhan	pourashava (@gmail.com		Technical staff (Nos.)	7	
Population (FY2010/2011)	35,000				Financial statements (2010/2011)	0	
Nos. of households (FY2010/2011)	3,510				Annual budget (Tk)	5,424,242	
Literacy (%)	46.1				Revenue (Tk)	6,071,000	
Land area (km²)	2.5				Expenditure (Tk)	4,803,000	
Residential area (km²)	1.4				Computerization		nt, Accounting, Trade license,
Residential area pop. density (persons/ha)	255					Yearly logical budget p	chedule and estimate preparation, , reparation, ,
Electricity coverage (%)	75.0				Committee formed		
Electricity availability (hrs)					TLCC /Frequency of meeting	Yes, just forme	ed on 15-Apr, 2012
Summer	20				WATSAN/Frequency of meeting	No	
Winter	22						
D. Non-Piped Water Supply Area							
1. Necessity of Piped Water Supply					Main treatment method in domestic	None, , ,	
Necessity of					As contaminated wells (Nos.)	0	
Piped water	Yes				Arsenic contaminated water supply (%)	0	
Water meter	No				Unhygienic drinking water (%)	30	
Reasons	Now they r	need water	first		% of people using neighbor's well for drinking	40	
					Problems in non-piped water supply area	Fe and Saline fo	und in shallow tubewell,
						Polluted and Ur	hygenic
Affordability (answered by pourashava staff)				3. F	Potential Water Sources for Non-Pipe	d Water Suppl	y System
Average household income/month (Tk)	10,000				Potential water sources	Evaluation	WQ problems
Affordability for piped water (Tk/month)	250				Shallow well	Moderate	Iron and Salinity
Affordable price in total household income (%)	2.50				Deep well	High	No problem
2. Exiting Water Sources in Non-Piped W	ater Suppl	y Area			Surface water sources	Moderate	Polluted and few salinity
Source	Nos. of source	Drinking (%)	Domestic (%)		Other sources	No	-
River	0	0	0		Decrease of ground water level		
Shallow well	30	0	10		Shallow well (m/year)	Not known	
Deep well	250	100	60		Deep well (m/year)	Not known	
Ponds	100	0	25				
Other sources	2	0	5				

Durgapur

U	urgupur					**************************************	ed Water Supply System
A.	Pourashava Profile						
	Class	С			Sanitation coverage		
	Division	Dhaka			Latrine with septic tank (%)	4.0	
	District	Netrakona			Water sealed slab latrine (%)	65.0	
	Year established	1994			Water-related diseases	, Diarrhea, , , D	ysentery,
	Contact Tel/Fax	09525-5610	00/ 01748 9	964326			, ,,
	E-mail		•		Technical staff (Nos.)	3	
	Population (FY2010/2011)	26,990			Financial statements (2010/2011)	0	
	Nos. of households (FY2010/2011)	4,136			Annual budget (Tk)	26,100,000	
	Literacy (%)	75.0			Revenue (Tk)	5,600,000	
	Land area (km²)	9.8			Expenditure (Tk)	5,090,000	
	Residential area (km²)	5.4			Computerization	, ,	
	Residential area pop. density (persons/ha)	50				,,,,,,,	
	Electricity coverage (%)	70.0			Committee formed		
	Electricity availability (hrs)				TLCC /Frequency of meeting	No	
	Summer	20			WATSAN/Frequency of meeting	Yes, 1 month	
	Winter	23					
D.	Non-Piped Water Supply Area	-					
	Necessity of Piped Water Supply				Main treatment method in domestic	, Boiling, Chlorin	nation,
	Necessity of				As contaminated wells (Nos.)	Do not know	
	Piped water	Yes			Arsenic contaminated water supply (%)	Do not know	
	Water meter	Yes			Unhygienic drinking water (%)	5	
	Reasons	Water Mete	r should be	installed	% of people using neighbor's well for drinking	65	
		and all will p	ay the bill a	ccordingly.	Problems in non-piped water supply area	Iron, Arsenic	
	Affordability (answered by pourashava staff)				3. Potential Water Sources for Non-Pipe	<mark>d</mark> Water Suppl	y System
	Average household income/month (Tk)	10,000			Potential water sources	<u>Evaluation</u>	WQ problems
	Affordability for piped water (Tk/month)	250			Shallow well	Moderate	Iron
	Affordable price in total household income (%)	2.50			Deep well	-	Do not know
2. I	xiting Water Sources in Non-Piped W	ater Supply	y Area		Surface water sources	Moderate	contaminted by garbage
	Source	Nos. of source	Drinking (%)	Domestic (%)	Other sources	No	-
	River	1	5	10	Decrease of ground water level		
	Shallow well	500	94	65	Shallow well (m/year)	Not known	
	Deep well	0	0	0	Deep well (m/year)	Not known	
	Ponds	25	1	25			
	Other sources	5	0	0			

With Non-Piped Water Supply System

Durgapur

A. Pourashava Profile							
Class	С				Sanitation coverage		
Division	Rajshahi				Latrine with septic tank (%)	15.0	
District	Rajshahi				Water sealed slab latrine (%)	43.0	
Year established	2002				Water-related diseases	, Diarrhea, , , D	ysentery,
Contact Tel/Fax	Tel: 07722	4-56135, Fa	x: 56135				
E-mail					Technical staff (Nos.)	5	
Population (FY2010/2011)	26,821				Financial statements (2010/2011)	0	
Nos. of households (FY2010/2011)	5,572				Annual budget (Tk)	17,505,535	
Literacy (%)	67.0				Revenue (Tk)	4,713,315	
Land area (km²)	25.6				Expenditure (Tk)	3,478,690	
Residential area (km²)	11.5				Computerization	, , , , Rate schedule a	nd estimate preparation, ,
Residential area pop. density (persons/ha)	23					Yearly logical budget	preparation, ,
Electricity coverage (%)	95.0				Committee formed		
Electricity availability (hrs)					TLCC /Frequency of meeting	No	
Summer	10				WATSAN/Frequency of meeting	No	
Winter	22						
D. Non-Piped Water Supply Area							
1. Necessity of Piped Water Supply					Main treatment method in domestic	None, , ,	
Necessity of					As contaminated wells (Nos.)	None	
Piped water	Yes				Arsenic contaminated water supply (%)	0	
Water meter	Yes				Unhygienic drinking water (%)	0	
Reasons	- As known to	consumed w	ater volume.		% of people using neighbor's well for drinking	70	
	- As actual re	venue income	from water		Problems in non-piped water supply area	Irion, N	
	section and r	educed of was	ste water.				
Affordability (answered by pourashava staff)				3. P	otential Water Sources for Non-Pipe	d Water Supply	y System
Average household income/month (Tk)	10,000				Potential water sources	Evaluation	WQ problems
Affordability for piped water (Tk/month)	(i) No idea,	(ii) People	will pay acco	ordii	Shallow well	Moderate	N
Affordable price in total household income (%)	0.00				Deep well	-	-
2. Exiting Water Sources in Non-Piped W	ater Suppl	y Area			Surface water sources	-	-
Source	Nos. of source	Drinking (%)	Domestic (%)		Other sources	Yes	-
River	0	0	10		Decrease of ground water level		
Shallow well	1,500	100	60		Shallow well (m/year)	16.0	
Deep well	0	0	0		Deep well (m/year)	Not known	
Ponds	0	0	30				
Other sources	0	0	0				

Elanga

Elanga					with Non-Pipe	ed water Supply System
A. Pourashava Profile						
Class	С			Sanitation coverage		
Division	Dhaka			Latrine with septic tank (%)	20.0	
District	Tangail			Water sealed slab latrine (%)	45.0	
Year established	2011			Water-related diseases	Arsenicosis, Dia	arrhea, , , ,
Contact Tel/Fax	017121332	240				.,
E-mail	ellengapou	rashava@v	ahoo.com	Technical staff (Nos.)	5	
Population (FY2010/2011)	55,000	- ,		Financial statements (2010/2011)	0	
Nos. of households (FY2010/2011)	10,211			Annual budget (Tk)	New pourasha	va
Literacy (%)	80.0			Revenue (Tk)	New pourasha	va
Land area (km²)	23.2			Expenditure (Tk)	New pourasha	
Residential area (km²)	10.9			Computerization	Rate schedule a	nd estimate preparation,
Residential area pop. density (persons/ha)	50			,	Engineering, , Procui	
Electricity coverage (%)	80.0			Committee formed		
Electricity availability (hrs)				TLCC /Frequency of meeting	Yes, 1 month	
Summer	14			WATSAN/Frequency of meeting	No	
Winter	20			, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
D. Non-Piped Water Supply Area						
1. Necessity of Piped Water Supply				Main treatment method in domestic	None, , ,	
Necessity of				As contaminated wells (Nos.)	400	
Piped water	Yes			Arsenic contaminated water supply (%)	5	
Water meter	Yes			Unhygienic drinking water (%)	10	
Reasons	Control the	use of wat	er	% of people using neighbor's well for drinking	15	
				Problems in non-piped water supply area	Arsenic,Iron, Water table declining	
Affordability (answered by pourashava staff)				3. Potential Water Sources for Non-Pipeo	Water Supply	y System
Average household income/month (Tk)	12,000			Potential water sources	<u>Evaluation</u>	WQ problems
Affordability for piped water (Tk/month)	200			Shallow well	None	Arsenic,Iron
Affordable price in total household income (%)	1.66			Deep well	High	No problem
2. Exiting Water Sources in Non-Piped W	ater Suppl	y Area		Surface water sources	None.	Turbidity
Source	Nos. of source	Drinking (%)	Domestic (%)	Other sources	No	-
River	0	0	0	Decrease of ground water level		
Shallow well	9,560	98	50	Shallow well (m/year)	Not known	
Deep well	3	2	10	Deep well (m/year)	Not known	
Ponds	230	0	30			
Other sources	1	0	10			

Faridganj

	e e. g e ,								
A.	Pourashava Profile								
	Class	С		Sanitation coverage					
	Division			Latrine with septic tank (%)	20.0				
	District Chandpur					Water sealed slab latrine (%)	50.0		
	Year established	2005				Water-related diseases	Arsenicosis, Diarr	hea, Cholera, Typhoid, Dysentery,	
	Contact Tel/Fax	08422-6419	97						
	E-mail					Technical staff (Nos.)	3		
	Population (FY2010/2011)	34,611				Financial statements (2010/2011)	0		
	Nos. of households (FY2010/2011)	7,428				Annual budget (Tk)	8,095,000		
	Literacy (%)	65.0				Revenue (Tk)	7,770,507		
	Land area (km²)	19.7				Expenditure (Tk)	4,986,537		
	Residential area (km²)	4.9				Computerization		dule and estimate	
	Residential area pop. density (persons/ha)	70					budget prepar	ngineering, Yearly logical	
	Electricity coverage (%)	80.0				Committee formed	budget prepar	acion, ,	
	Electricity availability (hrs)	55.5				TLCC /Frequency of meeting	No		
	Summer	6				WATSAN/Frequency of meeting	No		
	Winter	20							
D.	Non-Piped Water Supply Area								
1.	Necessity of Piped Water Supply					Main treatment method in domestic	None, , ,		
	Necessity of					As contaminated wells (Nos.)	Do not kno	W	
	Piped water	Yes				Arsenic contaminated water supply (%)	60		
	Water meter	No				Unhygienic drinking water (%)	0		
	Reasons	First their o	lemand for	piped		% of people using neighbor's well for drinking	40		
		water supply.				Problems in non-piped water supply area	Arsenic con	tamination in water,	
		water supply.					High percer	ntage of iron in water	
	Affordability (answered by pourashava staff)				3. F	Potential Water Sources for Non-Pipe	Water Su	ipply System	
	Average household income/month (Tk)	8,000				Potential water sources	Evaluation	WQ problems	
	Affordability for piped water (Tk/month)	200				Shallow well	Moderate(No alternatives)	Arsenic and Iron	
	Affordable price in total household income (%)	2.50				Deep well	High	No	
2.	Exiting Water Sources in Non-Piped W	ater Supply	y Area			Surface water sources	-	-	
	Source Nos. of source Drinking (%) Domestic (%					Other sources	No	-	
	River 1 0 5					Decrease of ground water level			
	Shallow well 195 60 20			20		Shallow well (m/year)	Not known		
	Deep well 100 40 20			20		Deep well (m/year)	Not known		
	Ponds 300 0 55			55					
	Other sources	0	0	0					

Faridpur

типири								
A. Pourashava Profile								
Class	С				Sanitation coverage			
Division	Rajshahi				Latrine with septic tank (%)	14.0		
District	Pabna				Water sealed slab latrine (%)	55.0		
Year established	1998				Water-related diseases	Arsenicosis, Diarrhea, , Typhoid, Dysentery		
Contact Tel/Fax	Tel: 07325-	64055 (in/c	Fax)					
E-mail		, , ,	,		Technical staff (Nos.)	2		
Population (FY2010/2011)	20,359				Financial statements (2010/2011)	0		
Nos. of households (FY2010/2011)	3,500				Annual budget (Tk)	31,393,058	3	
Literacy (%)	65.0				Revenue (Tk)	4,399,500		
Land area (km²)	3.5				Expenditure (Tk)	3,505,442		
Residential area (km²)	1.9				Computerization	, , , , Rate sche	dule and estimate	
Residential area pop. density (persons/ha)	106				- Compare Lation		Yearly logical budget	
Electricity coverage (%)	90.0				Committee formed	preparation, ,		
Electricity availability (hrs)	90.0				TLCC /Frequency of meeting	Yes, 2 months		
Summer	6				WATSAN/Frequency of meeting	Yes, 2 months		
Winter	11					, =		
D. Non-Piped Water Supply Area								
					Add to the state of the state of			
1. Necessity of Piped Water Supply					Main treatment method in domestic	None, , ,		
Necessity of	Vos				As contaminated wells (Nos.)	Not yet is s		
Piped water	Yes				Arsenic contaminated water supply (%)	Do not know		
Water meter	-				Unhygienic drinking water (%)	Do not know		
Reasons					% of people using neighbor's well for drinking	2		
					Problems in non-piped water supply area	Crises of dr	inking water,	
Affordability (answered by pourashava staff)				3. I	Potential Water Sources for Non-Pipe			
Average household income/month (Tk)	7,000				Potential water sources	Evaluation	WQ problems	
Affordability for piped water (Tk/month)	150				Shallow well	None	As & Fe	
Affordable price in total household income (%)	2.14				Deep well	-	-	
2. Exiting Water Sources in Non-Piped W			1	1	Surface water sources	-	-	
Source	Nos. of source	Drinking (%)	Domestic (%)		Other sources	No	-	
River	0	0	0		Decrease of ground water level			
Shallow well 2,500 100 80				Shallow well (m/year)	0.3			
Deep well	0	0	0		Deep well (m/year)	Not known		
Ponds	12	0	20					
Other sources	0	0	0					

Fhatikchari

A. Pourashava Profile						
Class		Sanitation coverage				
Division	Chittagong			Latrine with septic tank (%)	25.0	
District	Chittagong			Water sealed slab latrine (%)	40.0	
Year established	2011			Water-related diseases	, Diarrhea, , , Dysentery,	
Contact Tel/Fax	0)				
E-mail				Technical staff (Nos.)	2	
Population (FY2010/2011)	36,550			Financial statements (2010/2011)	0	
Nos. of households (FY2010/2011)	Not yet cou	ınted		Annual budget (Tk)	Not yet prepar	ed
Literacy (%)	40.0			Revenue (Tk)		
Land area (km²)	25.0			Expenditure (Tk)		
Residential area (km²)	10.0			Computerization	, , , , Rate schedule a	nd estimate preparation,
Residential area pop. density (persons/ha)	36				Engineering, , ,	
Electricity coverage (%)	60.0			Committee formed		
Electricity availability (hrs)				TLCC /Frequency of meeting	Yes, 3 months	
Summer	6			WATSAN/Frequency of meeting	Yes, 3 months	
Winter	16					
D. Non-Piped Water Supply Area						
1. Necessity of Piped Water Supply				Main treatment method in domestic	None, , ,	
Necessity of				As contaminated wells (Nos.)	0	
Piped water	Yes			Arsenic contaminated water supply (%)	Do not know	
Water meter	Yes			Unhygienic drinking water (%)	Do not know	
Reasons	To prevent f	rom misuse	of water.To	% of people using neighbor's well for drinking	15	
	know exact	water consu	mption.	Problems in non-piped water supply area		area & this pourashava water ummer season we get less water
					from the shallow tubew	*
Affordability (answered by pourashava staff)				3. Potential Water Sources for Non-Pipe	d Water Suppl	y System
Average household income/month (Tk)	12,000			Potential water sources	<u>Evaluation</u>	WQ problems
Affordability for piped water (Tk/month)	360			Shallow well	Moderate	Iron
	Affordable price in total household income (%) 3.00			Deep well	Moderate	Iron
2. Exiting Water Sources in Non-Piped W	Exiting Water Sources in Non-Piped Water Supply Area			Surface water sources	Moderate	Turbidity
		Domestic (%)	Other sources	No	-	
River	1	0	5	Decrease of ground water level		
Shallow well	494 80 45		Shallow well (m/year)	0.3		
Deep well	25	20	20	Deep well (m/year)	0.1	
Ponds	0 0 30				0.0	
Other sources	0	0	0			

Fhulbaria

FIIUIDATIA					with Non-Pipe	ed water Supply System
A. Pourashava Profile						
Class	В			Sanitation coverage		
Division	Dhaka			Latrine with septic tank (%)	4.9	
District	Mymenshi	ng		Water sealed slab latrine (%)	43.7	
Year established	2001	_		Water-related diseases	, Diarrhea, , , ,	
Contact Tel/Fax	090237300)7				
E-mail	wadud_sed	:@yahoo.co	om	Technical staff (Nos.)	4	
Population (FY2010/2011)	47,500	•		Financial statements (2010/2011)	0	
Nos. of households (FY2010/2011)	6,124			Annual budget (Tk)	72,894,821	
Literacy (%)	85.0			Revenue (Tk)	12,197,564	
Land area (km²)	15.8			Expenditure (Tk)	10,079,284	
Residential area (km²)	2.9			Computerization		nt, Accounting, Trade license, , Rate
Residential area pop. density (persons/ha)	162				Procurement,	preparation, Engineering, ,
Electricity coverage (%)	95.0			Committee formed		
Electricity availability (hrs)				TLCC /Frequency of meeting	Yes, 3 months	
Summer	18			WATSAN/Frequency of meeting	No	
Winter	20					
D. Non-Piped Water Supply Area						
1. Necessity of Piped Water Supply				Main treatment method in domestic	None, , ,	
Necessity of				As contaminated wells (Nos.)	0	
Piped water	Yes			Arsenic contaminated water supply (%)	0	
Water meter	Yes			Unhygienic drinking water (%)	0	
Reasons	Save water,	reduce the v	vastage of	% of people using neighbor's well for drinking	10	
	water and k	now the nor	revenue of	Problems in non-piped water supply area	Declination of G	round water level day
	water.				by day,	
Affordability (answered by pourashava staff)				3. Potential Water Sources for Non-Pipe	<mark>d</mark> Water Suppl	y System
Average household income/month (Tk)	9,000			Potential water sources	<u>Evaluation</u>	WQ problems
Affordability for piped water (Tk/month)	90			Shallow well	High	No problem
Affordable price in total household income (%)	1.00			Deep well	High	No problem
2. Exiting Water Sources in Non-Piped W	-Piped Water Supply Area			Surface water sources	-	-
Source	Nos. of source	Drinking (%)	Domestic (%)	Other sources	No	-
River	0	0	0	Decrease of ground water level		
Shallow well	6,063	95	74	Shallow well (m/year)	0.0	
Deep well	64	5	10	Deep well (m/year)	0.0	
Ponds	80	0	16			
Other sources	0	0	0			

Gafargaon

	<u>, , , , , , , , , , , , , , , , , , , </u>								
Α. Ι	Pourashava Profile								
	Class	Α				Sanitation coverage			
	Division	Dhaka				Latrine with septic tank (%)	20.0		
	District	Mymensingh				Water sealed slab latrine (%)	40.0		
	Year established	1999				Water-related diseases	, Diarrhea,	,,,,	
	Contact Tel/Fax	09025-562	18						
	E-mail					Technical staff (Nos.)	8		
	Population (FY2010/2011)	38,973				Financial statements (2010/2011)	0		
	Nos. of households (FY2010/2011)	4,744				Annual budget (Tk)	45,520,00	0	
	Literacy (%)	80.0				Revenue (Tk)	44,405,66	8	
	Land area (km²)	5.3				Expenditure (Tk)	40,520,00	0	
	Residential area (km²)	2.4				Computerization	, , , , Rate sche	edule and estimate	
	Residential area pop. density (persons/ha)	162					preparation,,	,,	
	Electricity coverage (%)	75.0				Committee formed			
	Electricity availability (hrs)					TLCC /Frequency of meeting	No		
	Summer	10				WATSAN/Frequency of meeting	No		
	Winter	12							
D. I	Non-Piped Water Supply Area								
1. N	lecessity of Piped Water Supply					Main treatment method in domestic	None, , ,		
	Necessity of					As contaminated wells (Nos.)	0		
	Piped water	Yes				Arsenic contaminated water supply (%)	0		
	Water meter	Yes				Unhygienic drinking water (%)	0		
	Reasons	To protect	misuse of w	vater		% of people using neighbor's well for drinking	5		
						Problems in non-piped water supply area	Declination	of ground water level,	
								_	
	Affordability (answered by pourashava staff)				3. F	Potential Water Sources for Non-Pipe		· · · · · · · · · · · · · · · · · · ·	
	Average household income/month (Tk)	12,000				Potential water sources	Evaluation		
	Affordability for piped water (Tk/month)	200				Shallow well	High	No	
	Affordable price in total household income (%)	1.67				Deep well	-	Do not know	
2. E	xiting Water Sources in Non-Piped W			ı	Surface water sources	-	-		
-	Source	Nos. of source	Drinking (%)	Domestic (%)		Other sources	No	-	
-	River	0 0 0			Decrease of ground water level				
	Shallow well	3,982 100 100				Shallow well (m/year)	Not known		
	Deep well	0 0 0				Deep well (m/year)	Not known		
	Ponds	0 0 0							
	Other sources	0	0 0 0						

Ganani

Gu	ıngnı					VVI	in won-Pipe	ed Water Supply System	
A. P	ourashava Profile								
(Class	В			Sa	nitation coverage			
[Division	Khulna				Latrine with septic tank (%)	60.0		
[District	Meherpur				Water sealed slab latrine (%)	35.0		
١	'ear established	2001			W	ater-related diseases	Arsenicosis	, Diarrhea, , , Dysentery,	
(Contact Tel/Fax	Tel: 07922-7	75357, Fax : 0	7922-75399					
	E-mail	gangnipour	ashava@gr	nail.com	Te	echnical staff (Nos.)	6		
F	Population (FY2010/2011)	40,530			Fi	nancial statements (2010/2011)	0		
1	Nos. of households (FY2010/2011)	5,285				Annual budget (Tk)	59,412,189	9	
L	iteracy (%)	75.0				Revenue (Tk)	5,586,212		
ı	and area (km²)	17.1				Expenditure (Tk)	4,865,132		
	Residential area (km²)	7.7			Co	omputerization		ement, Accounting, Trade license, Salary edule and estimate preparation,	
	Residential area pop. density (persons/ha)	53						logical budget preparation, ,	
E	Electricity coverage (%)	Do not kno	W		Co	ommittee formed			
E	Electricity availability (hrs)					TLCC /Frequency of meeting	Yes, 3 months		
	Summer	20				WATSAN/Frequency of meeting	No		
	Winter	22							
D. N	Ion-Piped Water Supply Area								
1. N	ecessity of Piped Water Supply				M	ain treatment method in domestic	None, , ,		
1	Necessity of				As	s contaminated wells (Nos.)	561		
	Piped water	Yes			ıA	rsenic contaminated water supply (%)	11		
	Water meter	No			Uı	nhygienic drinking water (%)	Do not know		
	Reasons	Meter repa	ir should be	e arranged.	%	of people using neighbor's well for drinking	10		
		·			Pr	oblems in non-piped water supply area	Arsenic con	taminated water, Iron	
F	Affordability (answered by pourashava staff)				3. Pot	tential Water Sources for Non-Pipe		 	
	Average household income/month (Tk)	9,000				Potential water sources	Evaluation	WQ problems	
	, , , , , , ,	Do not kno				Shallow well	Moderate	Arsenic	
	Affordable price in total household income (%)	Not yet car		nation		Deep well	-	-	
2. Ex	iting Water Sources in Non-Piped W		•			Surface water sources	-	-	
-	Source	Nos. of source	Drinking (%)	Domestic (%)		Other sources	No	-	
-	River	0	0	0	De	ecrease of ground water level			
-	Shallow well	4,700	100	100		Shallow well (m/year)	1.5		
_	Deep well	0	0	0		Deep well (m/year)	Not known		
	Ponds	0	0	0					
	Other sources	0	0	0					

Ghatail

Α. Ι	Pourashava Profile								
Class B						Sanitation coverage			
	Division	Dhaka				Latrine with septic tank (%)	25.0		
	District	Tangail				Water sealed slab latrine (%)	55.0		
	Year established	1998				Water-related diseases	Arsenicosis, D	iarrhea, , Typhoid, Dysentery,	
	Contact Tel/Fax	0922556145; 01712094121							
	E-mail					Technical staff (Nos.)	1		
	Population (FY2010/2011)	26,375				Financial statements (2010/2011)	0		
	Nos. of households (FY2010/2011)	5,700				Annual budget (Tk)	82,215,46	1	
	Literacy (%)	65.0				Revenue (Tk)	17,864,69		
	Land area (km²)	11.0				Expenditure (Tk)	14,900,65		
	Residential area (km²)	5.0				Computerization	Yearly	logical budget preparation,	
	Residential area pop. density (persons/ha)	53					Procurement,		
	Electricity coverage (%)	100.0				Committee formed			
	Electricity availability (hrs)					TLCC /Frequency of meeting	Yes. 1 month		
	Summer	6				WATSAN/Frequency of meeting	No		
	Winter	15							
D I	Non-Piped Water Supply Area								
	lecessity of Piped Water Supply					Main treatment method in domestic	None, , ,		
	Necessity of					As contaminated wells (Nos.)	2		
	Piped water	Yes				Arsenic contaminated water supply (%)	3		
	Water meter	Yes				Unhygienic drinking water (%)	-		
			er and collect	the actual		, , ,	10 3		
	Reasons	bill	er and conect	tile actual		% of people using neighbor's well for drinking	-	_	
			amount of no	on-revenue		Problems in non-piped water supply area	Arsenic, Iro	on	
	Afficial-billians	water			2 [Datastial Mates Courses for New Disco	l Makau C.		
	Affordability (answered by pourashava staff) Average household income/month (Tk)	C 000			3. F	Potential Water Sources for Non-Piped	Evaluation		
	, , ,	6,000				Potential water sources		water contains Arsenic & Iron.	
	Affordability for piped water (Tk/month) Affordable price in total household income (%) 3 30					Shallow well	None		
2 5	3.30					Deep well Surface water sources	High	Iron	
2. E	xiting Water Sources in Non-Piped Water Supply Area				ı		- No	-	
-	Source	Nos. of source	Drinking (%)	Domestic (%)		Other sources	INO	-	
-	River	0 0 0 3,500 93 80				Decrease of ground water level	0.5		
-	Shallow well	3,500 93 80				Shallow well (m/year)	0.5		
-	Deep well					Deep well (m/year)	1.0		
-	Ponds		20 2 17						
	Other sources 0 0 0								

Ghoraghat

	noragnat					Wi	tn Non-Pipe	ed Water Supply System	
A.	Pourashava Profile								
	Class	С				Sanitation coverage			
	Division	Rangpur				Latrine with septic tank (%)	15.0		
	District	Dinajpur				Water sealed slab latrine (%)	80.0		
	Year established	2005				Water-related diseases	, Diarrhea,	, , Dysentery,	
	Contact Tel/Fax	Tel: 0532-8	56172						
	E-mail					Technical staff (Nos.)	2		
	Population (FY2010/2011)	21,384				Financial statements (2010/2011)	0		
	Nos. of households (FY2010/2011)	4,630				Annual budget (Tk)	38,281,69	9	
	Literacy (%)	80.0				Revenue (Tk)	4,784,000		
	Land area (km²)	18.6				Expenditure (Tk)	3,112,240		
	Residential area (km²)	7.5				Computerization		dule and estimate	
	Residential area pop. density (persons/ha)	29					budget prepar	ngineering, Yearly logical ation	
	Electricity coverage (%)	60.0				Committee formed			
	Electricity availability (hrs)					TLCC /Frequency of meeting	No		
	Summer	8				WATSAN/Frequency of meeting	No		
	Winter	16							
D.	Non-Piped Water Supply Area								
1. N	lecessity of Piped Water Supply					Main treatment method in domestic	None, , ,		
	Necessity of					As contaminated wells (Nos.)	Do not kno	w	
	Piped water	Yes				Arsenic contaminated water supply (%)	0		
	Water meter	Yes				Unhygienic drinking water (%)	1		
	Reasons	- To calculate the revenue water - Ensure the proper use of water				% of people using neighbor's well for drinking	25		
			er use of water uantity of water st	upply		Problems in non-piped water supply area	More Iron,	The depth of hand	
		- Leakage problen	n identify.				pump is no	t sufficient	
	Affordability (answered by pourashava staff)				3. F	Potential Water Sources for Non-Piper	d Water Su	· · · · · · · · · · · · · · · · · · ·	
	Average household income/month (Tk)	12,000				Potential water sources	Evaluation	WQ problems	
	, , , , , , ,	100				Shallow well		More Iron	
	Affordable price in total household income (%)	0.83				Deep well	None	More Iron	
2. E	xiting Water Sources in Non-Piped W	ater Suppl	y Area			Surface water sources	-	-	
	Source Nos.		Drinking (%)	Domestic (%)		Other sources	No	-	
	River	1	0	0		Decrease of ground water level			
	Shallow well	4,000	100	100		Shallow well (m/year)	0.0		
	Deep well	30	0	0		Deep well (m/year)	Not known		
	Ponds	100	0	0					
	Other sources 0 0 0			0					

Goalandaghat

A. Pourashava Profile								
Class	В				Sanitation coverage			
Division	Dhaka				Latrine with septic tank (%)	0.1		
District	Rajbari				Water sealed slab latrine (%)	22.7		
Year established	2000				Water-related diseases	, , , , Dyser	ntery,	
Contact Tel/Fax	Tel: 06421	Геl : 0642156244						
E-mail					Technical staff (Nos.)	10		
Population (FY2010/2011)	24,890				Financial statements (2010/2011)	0		
Nos. of households (FY2010/2011)	4,398				Annual budget (Tk)	25,977,000	0	
Literacy (%)	55.0				Revenue (Tk)	15,268,52	5	
Land area (km²)	4.9				Expenditure (Tk)	11,977,000	0	
Residential area (km²)	1.2				Computerization		gement, Accounting, , , Rate schedule	
Residential area pop. density (persons/ha)	206					budget preparation	paration, Engineering, Yearly logical on, Procurement,	
Electricity coverage (%)	72.9				Committee formed			
Electricity availability (hrs)					TLCC /Frequency of meeting	No		
Summer	15				WATSAN/Frequency of meeting	Yes, 3 months		
Winter	20							
D. Non-Piped Water Supply Area								
1. Necessity of Piped Water Supply					Main treatment method in domestic	, , , Filtratio	n	
Necessity of					As contaminated wells (Nos.)	150		
Piped water	Yes				Arsenic contaminated water supply (%)	0		
Water meter	No				Unhygienic drinking water (%)	0		
Reasons	Because th	ey want to	pay a fixed		% of people using neighbor's well for drinking	10		
	amount.				Problems in non-piped water supply area	Iron, Arsen	ic	
Affordability (answered by pourashava staff)				3. F	Potential Water Sources for Non-Piped			
Average household income/month (Tk)	10,000				Potential water sources	Evaluation	<u>WQ problems</u>	
Affordability for piped water (Tk/month)					Shallow well	Moderate		
Affordable price in total household income (%)	0.5				Deep well	High	No problem	
2. Exiting Water Sources in Non-Piped V	Vater Suppl			,	Surface water sources	High	No problem	
Source	Nos. of source				Other sources	No	-	
River	1 2 50			Decrease of ground water level				
Shallow well	3,000 96 40			Shallow well (m/year)	1.5			
Deep well		1 1 0			Deep well (m/year)	1.5		
Ponds		25 1 10						
Other sources	0	0	0					

Gobindaganj

G	obinaaganj					WI	th Non-Pipe	ed Water Supply System	
A. I	Pourashava Profile								
	Class	В				Sanitation coverage			
	Division	Rangpur				Latrine with septic tank (%)	19.0		
	District	Gaibandha			Water sealed slab latrine (%)	56.0			
	Year established	1998				Water-related diseases	, Diarrhea, , , Dysentery,		
	Contact Tel/Fax	Tel: 05423-	75157						
	E-mail					Technical staff (Nos.)	4		
	Population (FY2010/2011)	40,676				Financial statements (2010/2011)	0		
	Nos. of households (FY2010/2011)	9,182				Annual budget (Tk)	83,675,00	0	
	Literacy (%)	65.0				Revenue (Tk)	10,550,00	0	
	Land area (km²)	12.7				Expenditure (Tk)	9,663,301		
	Residential area (km²)	6.4				Computerization		agement, Accounting, Trade	
	Residential area pop. density (persons/ha)	64						hedule and estimate preparation, orly logical budget preparation, ,	
	Electricity coverage (%)	80.0				Committee formed			
	Electricity availability (hrs)					TLCC /Frequency of meeting	Yes, 3 months (Not regular)		
	Summer	16				WATSAN/Frequency of meeting	Yes, 3 moi	nths (Not regular)	
	Winter	20							
D. I	Non-Piped Water Supply Area								
1. N	ecessity of Piped Water Supply					Main treatment method in domestic	None, , ,		
	Necessity of					As contaminated wells (Nos.)	No informa	tion	
	Piped water	Yes				Arsenic contaminated water supply (%)	0		
	Water meter	Yes				Unhygienic drinking water (%)	No data		
	Reasons	- To calculate th				% of people using neighbor's well for drinking	0		
		 Ensure the pro To dentify the 	•			Problems in non-piped water supply area		a, Thhe depth of hand pump is not	
		- Leakage, prob		ter suppry			sufficient		
	Affordability (answered by pourashava staff)				3. F	Potential Water Sources for Non-Pipe	<mark>d</mark> Water Sı	upply System	
	Average household income/month (Tk)	10,000				Potential water sources	Evaluation	WQ problems	
	Affordability for piped water (Tk/month)	150				Shallow well	High	Iron is some area	
	Affordable price in total household income (%)	1.50				Deep well	-	-	
2. E	xiting Water Sources in Non-Piped W	ater Suppl	/ Area			Surface water sources	-	-	
	Source	Nos. of source	Drinking (%)	Domestic (%)		Other sources	No	-	
	River	0	0	0		Decrease of ground water level			
	Shallow well	8,000 100 100			Shallow well (m/year)	0.2			
	Deep well	0 0 0			Deep well (m/year)	Not known			
				0					
	Other sources	0	0	0					

Godagari

4 B 6 6								
A. Pourashava Profile								
Class	Α				Sanitation coverage			
Division					Latrine with septic tank (%)	42.0		
District	Rajshahi				Water sealed slab latrine (%)	54.0		
Year established	0				Water-related diseases	, Diarrhea, , , ,		
Contact Tel/Fax	0							
E-mail					Technical staff (Nos.)	9		
Population (FY2010/2011)	47,400				Financial statements (2010/2011)	0		
Nos. of households (FY2010/2011)	12,893				Annual budget (Tk)	142,528,741		
Literacy (%)	75.1				Revenue (Tk)	20,443,829		
Land area (km²)	14.3				Expenditure (Tk)	19,405,329		
Residential area (km²)	7.6				Computerization		Accounting, Trade license, Salary	
` '	63					payment, Rate schedule an Yearly logical budget prepa	d estimate preparation, Engineering, ration, Procurement,	
Electricity coverage (%)	98.0				Committee formed			
Electricity availability (hrs)					TLCC /Frequency of meeting	Yes, 3 months		
Summer	20				WATSAN/Frequency of meeting	No		
Winter	23				, , ,			
D. Non-Piped Water Supply Area								
1. Necessity of Piped Water Supply					Main treatment method in domestic	, Boiling, , Filtrat	ion	
Necessity of Piped Water Supply Necessity of						0	1011	
,	Vos				As contaminated wells (Nos.)	0		
·	Yes				Arsenic contaminated water supply (%)	1		
	Yes To create the resp	onsibility of custo	nmers not to		Unhygienic drinking water (%)	38		
	waste of water. Th				% of people using neighbor's well for drinking		undwater levelget down, Non-	
	cost. Surplus will h staffs.	nelp to pay the sa	lary of related		Problems in non-piped water supply area		not sufficient to fulfill the public	
	310113.			2 0	and and all Markey Courses for Mary Divers	demand	Contain	
Affordability (answered by pourashava staff)	40.000			3. P	Potential Water Sources for Non-Pipe			
	18,000				Potential water sources	Evaluation	WQ problems	
, , , , , , , , , , , , , , , , , , , ,	350				Shallow well	Moderate	N	
	1.94				Deep well	-	-	
2. Exiting Water Sources in Non-Piped Wa	• • •			7	Surface water sources	High	Human waste, turbidity needs to be purified fro drinking	
Source Nos. of source Drinking (%			Domestic (%)	_	Other sources	Yes	-	
River	1	0	21		Decrease of ground water level			
Shallow well	3,271	98	66		Shallow well (m/year)	0.1		
Deep well	0	0	10		Deep well (m/year)	Not known		
Ponds	9	0	1					
Other sources 17 2 2								

Golapganj

Golupgulij							ed Water Supply System	
A. Pourashava Profile								
Class	Α				Sanitation coverage			
Division	Sylhet				Latrine with septic tank (%)	65.0		
District	Sylhet			Water sealed slab latrine (%)	30.0			
Year established	2001	:001			Water-related diseases	, Diarrhea, , , Dysentery,		
Contact Tel/Fax	08227 - 563	310, 0822 7	- 56452					
E-mail	golapgonjm	unicipality@	gmail.com		Technical staff (Nos.)	1		
Population (FY2010/2011)	46,390				Financial statements (2010/2011)	0		
Nos. of households (FY2010/2011)	4,546				Annual budget (Tk)	261,050,000		
Literacy (%)	55.0				Revenue (Tk)	26,665,000		
Land area (km²)	15.3				Expenditure (Tk)	26,550,000		
Residential area (km²)	4.9				Computerization		Accounting, Trade license, Salary	
Residential area pop. density (persons/ha)	95					Yearly logical budget prepared	nd estimate preparation, Engineering, aration, Procurement,	
Electricity coverage (%)	74.4				Committee formed			
Electricity availability (hrs)					TLCC /Frequency of meeting	Yes, 3 months		
Summer	20				WATSAN/Frequency of meeting	No		
Winter	22							
D. Non-Piped Water Supply Area								
1. Necessity of Piped Water Supply					Main treatment method in domestic	None, , ,		
Necessity of					As contaminated wells (Nos.)	0		
Piped water	Yes				Arsenic contaminated water supply (%)	0		
Water meter	Yes				Unhygienic drinking water (%)	0		
Reasons	The water wa	-			% of people using neighbor's well for drinking	1		
	the revenue of the pourashava will be				Problems in non-piped water supply area	High conc. of iron, Water contaminate		
	increase.					by oil .		
Affordability (answered by pourashava staff)				3. F	Potential Water Sources for Non-Pipe	d Water Suppl	y System	
Average household income/month (Tk)	15,000				Potential water sources	<u>Evaluation</u>	WQ problems	
Affordability for piped water (Tk/month)	200				Shallow well	Moderate	High conc. of iron	
Affordable price in total household income (%)	1.33				Deep well	High	Less conc. of iron & water quality is hard & oily.	
2. Exiting Water Sources in Non-Piped W	ater Suppl	y Area		,	Surface water sources	High	No problen, good.	
Source	Nos. of source	Drinking (%)	Domestic (%)		Other sources	No	-	
River	1	0	10		Decrease of ground water level			
Shallow well	619	60	40		Shallow well (m/year)	0.9		
Deep well	40	40	20		Deep well (m/year)	0.5		
Ponds	502	0	30					
Other sources	0	0	0					

Gopaldi

A. Pourashava Profile								
Class	С				Sanitation coverage			
Division	Dhaka				Latrine with septic tank (%)	30.0		
District	Narayanga	nj			Water sealed slab latrine (%)	45.0		
Year established	2012				Water-related diseases	Arsenicosis	s, Diarrhea, , , ,	
Contact Tel/Fax	017110444	65						
E-mail					Technical staff (Nos.)	2		
Population (FY2010/2011)	55,000				Financial statements (2010/2011)	0		
Nos. of households (FY2010/2011)	5,483				Annual budget (Tk)	New poura	shava	
Literacy (%)	63.0				Revenue (Tk)	New poura	shava	
Land area (km²)	12.5				Expenditure (Tk)	New pourashava		
Residential area (km²)	3.7				Computerization	, , , , Rate sche	dule and estimate	
Residential area pop. density (persons/ha)	147					preparation, E	ngineering, , ,	
Electricity coverage (%)	100.0				Committee formed			
Electricity availability (hrs)					TLCC /Frequency of meeting	No		
Summer	18				WATSAN/Frequency of meeting	No		
Winter	20							
D. Non-Piped Water Supply Area								
1. Necessity of Piped Water Supply					Main treatment method in domestic	, Boiling, , F	iltration	
Necessity of					As contaminated wells (Nos.)	100		
Piped water	Yes				Arsenic contaminated water supply (%)	NII(All the Amenic contamined well	are marked.Thats why no one drinks water from the marked wells)	
Water meter	Yes				Unhygienic drinking water (%)	0		
Reasons	1.To preven	t wastage of	water.		% of people using neighbor's well for drinking	30		
	2. Collecting	revenue pro	operly.		Problems in non-piped water supply area	Ground water level is declining day		
	Optimizin	g electric bil	l.			by day., Iroi	n, Arsenic.	
Affordability (answered by pourashava staff)				3. Potential Water Sources for Non-Piped Water Supply System				
Average household income/month (Tk)	10,000				Potential water sources	Evaluation	WQ problems	
Affordability for piped water (Tk/month)	150				Shallow well	None	Arsenic & Iron	
Affordable price in total household income (%)	1.50				Deep well	High	No problem	
2. Exiting Water Sources in Non-Piped W	Piped Water Supply Area				Surface water sources	Moderate	Industrial waste & floating organic	
Source	Nos. of source	Drinking (%)	Domestic (%)		Other sources	No	-	
River	1	0	10		Decrease of ground water level			
Shallow well	3,000	40	60		Shallow well (m/year)	0.3		
Deep well	50	60	20		Deep well (m/year)	0.3		
Ponds	30	0	10					
Other sources	0	0	0					

Gopalpur

A. Pourashava Profile Class Division District Vear established Contact Tel/Fax E-mail Population (FY2010/2011) Nos. of households (FY2010/2011) Literacy (%) Land area (km²) Residential area pop. density (persons/ha) Electricity availability (hrs) Summer Winter 8 Water Supply Area 1. Necessity of Piped Water Water Supply Rasidential area Rajshahi Latrine with septic tank (%) Water sealed slab latrine (%) Water-related diseases Division Water-related diseases Publicated (Nos.) Technical staff (Nos.) 7 Financial statements (2010/2011) Annual budget (Tk) Expenditure (Tk) Expenditure (Tk) Computerization Committee formed TLCC /Frequency of meeting Yes, 3 months WATSAN/Frequency of meeting Yes, 3 months WATSAN/Frequency of meeting Yes, 3 months Water-related diseases Division As contaminated wells (Nos.) None None None Piped water Yes Water verial vist in with septic tank (%) 35.0 As contaminated wells (nos.) None Vers Water verial vist in with septic tank (%) Water verial vist in with septic tank (%) 45.0 As contaminated wells (nos.) None Vers Water verial vist in with septic tank (%) As contaminated wells (nos.) None Vers Water verial vist in with septic tank (%) As contaminated wells (Nos.) O Unhygienic drinking water (%) O Division Summer Yes Water verial vist in with septic tank (%) As contaminated water supply (%) O Unhygienic drinking water (%) O O Water verial vist in with septic tank (%) As contaminated water supply (%) O Unhygienic drinking water (%) O O D D D D D D D D D D D	30paipur
Division Rajshahi Latrine with septic tank (%) 35.0 District Natore Water sealed slab latrine (%) 45.0 Year established 1999 Water-related diseases , Diarrhea, , , , E-mail Tel: 07725-75050 E-mail Tel: 07725-75050 Population (FY2010/2011) 25,331 Financial staff (Nos.) 7 Financial statements (2010/2011) 0 Nos. of households (FY2010/2011) 3,702 Annual budget (Tk) 162,416,500 Literacy (%) 53.0 Revenue (Tk) 6,855,500 Land area (km²) 16.2 Expenditure (Tk) 6,450,000 Residential area (km²) 8.9 Computerization , Rate schedule and estimate preparation, , , , Electricity coverage (%) 80.0 Committee formed Electricity availability (hrs) Summer 8 WATSAN/Frequency of meeting Yes, 3 months Winter 20 D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Yes Arsenic contaminated water supply (%) 0	A. Pourashava Profile
District Year established 1999 Water-related diseases Diarrhea,,,, Tel: 07725-75050 F-mail Population (FY2010/2011) Nos. of households (FY2010/2011) Literacy (%) Land area (km²) Residential area (km²) Residential area (km²) Residential area pop. density (persons/ha) Electricity coverage (%) Electricity availability (hrs) Summer Water sealed slab latrine (%) Water-related diseases Technical staff (Nos.) The proposed of the	Class
Year established Contact Tel/Fax Tel: 07725-75050 E-mail Population (FY2010/2011) Nos. of households (FY2010/2011) Literacy (%) Land area (km²) Residential area pop. density (persons/ha) Residential area pop. density (persons/ha) Electricity coverage (%) Electricity availability (hrs) Summer Winter D. Non-Piped Water Supply Necessity of Piped water Yes Water-related diseases , Diarrhea, , , , , Technical staff (Nos.) 7 Financial statements (2010/2011) 0 Annual budget (Tk) 162,416,500 6,855,500 6	Division
Contact Tel/Fax E-mail Population (FY2010/2011) Nos. of households (FY2010/2011) Literacy (%) Land area (km²) Residential area (km²) Residential area pop. density (persons/ha) Electricity coverage (%) Electricity availability (hrs) Summer Winter D. Non-Piped Water Supply Area 1. Necessity of Piped Water Piped water Tel: 07725-75050 Technical staff (Nos.) Technic	District
E-mail Population (FY2010/2011) 25,331 Population (FY2010/2011) 25,331 Population (FY2010/2011) 3,702 Annual budget (Tk) 162,416,500 Literacy (%) 53.0 Revenue (Tk) 6,855,500 Land area (km²) 16.2 Residential area (km²) 8.9 Computerization ,,,, Rate schedule and estimate preparation,,,, Residential area pop. density (persons/ha) 29 Electricity coverage (%) 80.0 Committee formed Electricity availability (hrs) TLCC /Frequency of meeting Yes, 3 months Summer 8 Winter 20 D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Yes Main treatment method in domestic As contaminated wells (Nos.) None Piped water Yes Arsenic contaminated water supply (%)	Year established
Population (FY2010/2011) 25,331 Nos. of households (FY2010/2011) 3,702 Literacy (%) 53.0 Land area (km²) 16.2 Residential area (km²) 8.9 Computerization 7,000 Electricity coverage (%) 80.0 Electricity availability (hrs) 5ummer 8 Winter 8 None-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Yes Population (FY2010/2011) 25,331 Financial statements (2010/2011) 0 Annual budget (Tk) 162,416,500 Expenditure (Tk) 6,855,500 Computerization 7,000 Expenditure (Tk) 6,450,000 Function 7,000 Expenditure (Tk) 6,855,500 Expenditure (Tk) 6,450,000 Function 7,000 Expenditure (Tk) 6,855,500 Expenditure (Tk) 6,450,000 Function 7,000 Fu	Contact Tel/Fax
Nos. of households (FY2010/2011) 3,702 Literacy (%) 53.0 Land area (km²) 16.2 Residential area (km²) 8.9 Computerization ,,,,, Rate schedule and estimate preparation,,,,, Electricity coverage (%) 80.0 Electricity availability (hrs) Summer 8 WATSAN/Frequency of meeting Winter 20 D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Yes Annual budget (Tk) 6,855,500 6,855,500 6,450,000 .,,, Rate schedule and estimate preparation,,,, Preparation,,,, WATSAN/Frequency of meeting Yes, 3 months Yes, 3 months Main treatment method in domestic As contaminated wells (Nos.) None, ,, None Arsenic contaminated water supply (%)	E-mail
Literacy (%) Land area (km²) Residential area (km²) Residential area pop. density (persons/ha) Electricity coverage (%) Electricity availability (hrs) Summer Winter D. Non-Piped Water Supply Area 1. Necessity of Piped water Yes Residential area (km²) 8.9 Computerization Computerization TLCC /Frequency of meeting WATSAN/Frequency of meeting WATSAN/Frequency of meeting Ves, 3 months Yes, 3 months None, , , None Arsenic contaminated water supply (%) O	Population (FY2010/2011)
Land area (km²) Residential area (km²) Residential area (km²) Residential area (km²) Residential area pop. density (persons/ha) Electricity coverage (%) Electricity availability (hrs) Summer Winter D. Non-Piped Water Supply Area 1. Necessity of Piped Water Piped water Yes Expenditure (Tk) 6,450,000 Computerization Fixed preparation Fixed preparatio	Nos. of households (FY2010/2011)
Residential area (km²) Residential area pop. density (persons/ha) Electricity coverage (%) Electricity availability (hrs) Summer Winter D. Non-Piped Water Supply Area 1. Necessity of Piped water Yes Residential area (km²) 8.9 Computerization ,,,, Rate schedule and estimate preparation,,,, Rate schedule and estimate preparation preparation,,,, Rate schedule and estimate preparation preparation,,,, Rate schedule and estimate preparation,,,, Rate schedule and estimate preparation preparation preparation preparation preparation preparation preparation preparation preparation preparat	Literacy (%)
Residential area (km²) Residential area pop. density (persons/ha) Electricity coverage (%) Electricity availability (hrs) Summer Winter D. Non-Piped Water Supply Area 1. Necessity of Piped Water Piped water Yes Summer As contaminated wells (Nos.) Piped water Yes Computerization Committee formed TLCC /Frequency of meeting Yes, 3 months Yes, 3 months None, , , None, , , None Arsenic contaminated water supply (%)	Land area (km²)
Electricity coverage (%) Electricity availability (hrs) Summer Winter D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Yes Committee formed TLCC /Frequency of meeting Yes, 3 months WATSAN/Frequency of meeting Yes, 3 months WATSAN/Frequency of meeting Yes, 3 months Main treatment method in domestic As contaminated wells (Nos.) None Piped water Yes Arsenic contaminated water supply (%)	
Electricity availability (hrs) Summer Winter D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Yes, 3 months Yes, 3 months Yes, 3 months Yes, 3 months	Residential area pop. density (persons/ha)
Summer 8 WATSAN/Frequency of meeting Yes, 3 months D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Piped Water Supply As contaminated wells (Nos.) None Piped water Yes Arsenic contaminated water supply (%)	Electricity coverage (%)
Winter 20 D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Yes Main treatment method in domestic As contaminated wells (Nos.) None Arsenic contaminated water supply (%) As contaminated water supply (%)	Electricity availability (hrs)
D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Yes Main treatment method in domestic As contaminated wells (Nos.) None Arsenic contaminated water supply (%) O	Summer
1. Necessity of Piped Water Supply Main treatment method in domestic None, , , Necessity of Piped water As contaminated wells (Nos.) None Piped water Yes Arsenic contaminated water supply (%) 0	Winter
Necessity of As contaminated wells (Nos.) None Piped water Yes Arsenic contaminated water supply (%) 0	D. Non-Piped Water Supply Area
Piped water Yes Arsenic contaminated water supply (%) 0	. Necessity of Piped Water Supply
	Necessity of
Water meter Yes Unhygienic drinking water (%) 0	Piped water
	Water meter
Reasons - To save water and reduce waste in	Reasons
household. - By knowing how much water we produced	
and how much water delivered to customers.	
Affordability (answered by pourashava staff) 3. Potential Water Sources for Non-Piped Water Supply System	Affordability (answered by pourashava staff)
Average household income/month (Tk) 10,000 Potential water sources <u>Evaluation</u> <u>WQ problems</u>	Average household income/month (Tk)
Affordability for piped water (Tk/month) 150 Shallow well Moderate N	, , , , , , ,
Affordable price in total household income (%) 1.50 Deep well	Affordable price in total household income (%)
2. Exiting Water Sources in Non-Piped Water Supply Area Surface water sources -	. Exiting Water Sources in Non-Piped Wa
Source Nos. of source Drinking (%) Domestic (%) Other sources Yes -	Source
River 0 0 3 Decrease of ground water level	
Shallow well 4,700 100 87 Shallow well (m/year) 2.0	
Deep well 0 0 Deep well (m/year) Not known	·
Ponds 0 0 10	
Other sources 0 0 0	Other sources

Goshairhat

A. Pourashava Profile								
Class	С				Sanitation coverage			
Division	Dhaka				Latrine with septic tank (%)	30.0		
District	Shariatpur				Water sealed slab latrine (%)	65.0		
Year established	2011				Water-related diseases	Arsenicosis, D	Diarrhea, Cholera, Typhoid, ,	
Contact Tel/Fax	017169189	67						
E-mail					Technical staff (Nos.)	0		
Population (FY2010/2011)	35,000				Financial statements (2010/2011)	0		
Nos. of households (FY2010/2011)	5,000				Annual budget (Tk)			
Literacy (%)	65.0				Revenue (Tk)			
Land area (km²)	40.0				Expenditure (Tk)			
Residential area (km²)	20.0	20.0			Computerization			
Residential area pop. density (persons/ha)	18					,,,,,,,,		
Electricity coverage (%)	60.0				Committee formed			
Electricity availability (hrs)					TLCC /Frequency of meeting	No		
Summer	5				WATSAN/Frequency of meeting	No		
Winter	10							
D. Non-Piped Water Supply Area								
1. Necessity of Piped Water Supply					Main treatment method in domestic	, Boiling, , F	iltration	
Necessity of					As contaminated wells (Nos.)	1,000		
Piped water	Yes				Arsenic contaminated water supply (%)	5		
Water meter	Yes				Unhygienic drinking water (%)	5		
Reasons	- To collect	actual reveni	ue of water		% of people using neighbor's well for drinking	95		
	- To check v	astage of wa	ater.		Problems in non-piped water supply area	Arsenic, Iron, Saline,		
Affordability (answered by pourashava staff)				3. F	Potential Water Sources for Non-Piped	Water Su	ipply System	
Average household income/month (Tk)	8,000				Potential water sources	<u>Evaluation</u>	WQ problems	
Affordability for piped water (Tk/month)	125				Shallow well	None	Arsenic, Iron, Saline	
Affordable price in total household income (%)	1.56				Deep well	Moderate	Iron, Saline	
2. Exiting Water Sources in Non-Piped W	ater Suppl	y Area			Surface water sources	High	Inorganic Material	
Source	Nos. of source	Drinking (%)	Domestic (%)		Other sources	No	-	
River	1	0	5		Decrease of ground water level			
Shallow well	1,000	5	60		Shallow well (m/year)	3.0		
Deep well	120	95	5		Deep well (m/year)	3.1		
Ponds	35	0	30					
Other sources	0	0	0					

Hatia

TIULIU							
A. Pourashava Profile							
Class	С				Sanitation coverage		
Division	Chittagong				Latrine with septic tank (%)	5.0	
District	Noakhali				Water sealed slab latrine (%)	10.0	
Year established	2005				Water-related diseases	Arsenicosis, Diarr	hea, Cholera, Typhoid, Dysentery,
Contact Tel/Fax	171362531	3					
E-mail					Technical staff (Nos.)	2	
Population (FY2010/2011)	46,141				Financial statements (2010/2011)	0	
Nos. of households (FY2010/2011)	8,725				Annual budget (Tk)	1,825,310	
Literacy (%)	60.0				Revenue (Tk)	1,624,750	
Land area (km²)	35.0				Expenditure (Tk)	1,544,700	
Residential area (km²)	10.5				Computerization	, , , , Rate sche	dule and estimate
Residential area pop. density (persons/ha)	44					preparation, E	ngineering, , Procurement,
Electricity coverage (%)	10.0				Committee formed		
Electricity availability (hrs)					TLCC /Frequency of meeting	No	
Summer	6				WATSAN/Frequency of meeting	No	
Winter	7						
D. Non-Piped Water Supply Area							
1. Necessity of Piped Water Supply					Main treatment method in domestic	, Boiling, , F	iltration
Necessity of					As contaminated wells (Nos.)	Do not kno	w
Piped water	Yes				Arsenic contaminated water supply (%)	10	
Water meter	No				Unhygienic drinking water (%)	30	
Reasons	First their de	emand for pi	ped water		% of people using neighbor's well for drinking	30	
	supply.				Problems in non-piped water supply area	Arsenic, Salt, Iron	
Affordability (answered by pourashava staff)				3. F	Potential Water Sources for Non-Pipe	d Water Su	ipply System
Average household income/month (Tk)	5,000				Potential water sources	Evaluation	<u>WQ problems</u>
	200				Shallow well	-	-
Affordable price in total household income (%)	4.00				Deep well	Moderate	Salt, Arsenic, Iron
2. Exiting Water Sources in Non-Piped W	ater Suppl	y Area			Surface water sources	None	Salt
Source	Nos. of source	Drinking (%)	Domestic (%)		Other sources	No	-
River	1	0	10		Decrease of ground water level		
Shallow well	0	0	0		Shallow well (m/year)	Not known	
Deep well	290	70	30		Deep well (m/year)	Not known	
Ponds	50	30	60				
Other sources	0	0	0				

Hakimpur

A. Pourashava Profile								
Class	С				Sanitation coverage			
Division	Rangpur				Latrine with septic tank (%)	20.0		
District	Dinajpur				Water sealed slab latrine (%)	60.0		
Year established	1999				Water-related diseases	, , , , Dysentery,		
Contact Tel/Fax	Tel: 05329-	75056						
E-mail	shilpy.hili@	gmail.com			Technical staff (Nos.)			
Population (FY2010/2011)	27,025				Financial statements (2010/2011)	0		
Nos. of households (FY2010/2011)	5,564				Annual budget (Tk)	85,517,067		
Literacy (%)	67.0				Revenue (Tk)	3,736,294		
Land area (km²)	16.2				Expenditure (Tk)	3,350,315		
Residential area (km²)	6.2				Computerization		nent, Accounting, Trade license, Salary	
Residential area pop. density (persons/ha)	44						ule and estimate preparation, Engineering, preparation, Procurement,	
Electricity coverage (%)	90.0				Committee formed			
Electricity availability (hrs)					TLCC /Frequency of meeting	Yes, 3 months		
Summer	16				WATSAN/Frequency of meeting	No		
Winter	20							
D. Non-Piped Water Supply Area								
1. Necessity of Piped Water Supply					Main treatment method in domestic	None, , ,		
Necessity of					As contaminated wells (Nos.)	0		
Piped water	Yes				Arsenic contaminated water supply (%)	0		
Water meter	No				Unhygienic drinking water (%)	10		
Reasons	N				% of people using neighbor's well for drinking	10		
					Problems in non-piped water supply area	In Irri-Boro season, water not		
						available in	Shallow tube well,	
Affordability (answered by pourashava staff)				3. P	Potential Water Sources for Non-Piped	Water Su		
Average household income/month (Tk)	10,000				Potential water sources	<u>Evaluation</u>	WQ problems	
Affordability for piped water (Tk/month)	200				Shallow well	High	Iron in small quantity	
Affordable price in total household income (%)	2.00				Deep well	High	Iron in small quantity	
2. Exiting Water Sources in Non-Piped W	ater Suppl	y Area		,	Surface water sources	-	-	
Source	Nos. of source		Domestic (%)		Other sources	No	-	
River	0	0	0		Decrease of ground water level			
Shallow well	3,000	95	90		Shallow well (m/year)	1.0		
Deep well	0	0	0		Deep well (m/year)	1.0		
Ponds	0	0	0					
Other sources	0	5	0					

Haragacha

Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Water Supply Area Source Nos. of source Prinking (%) Pinking (%) Domestic (%) Shallow well A,000 Deep well Deep well Deep well Deep well Deep well Not known	пагадасна					VVI	tii Noii-ripe	ed water Supply System
Division District Rangpur Water sealed slab latrine (%) 70.0 Water-related diseases Diarrhea, , , Dysentery, Diarrhea, , Dysentery, Diarh	A. Pourashava Profile							
District Year established 1989 Water sealed slab latrine (%) 70.0 , Diarrhea, , , Dysentery,	Class	С				Sanitation coverage		
Year established 1989	Division	Rangpur				Latrine with septic tank (%)	5.0	
Contact Tel/Fax	District	Rangpur				Water sealed slab latrine (%)	70.0	
E-mail Population (FY2010/2011) 75,600 Nos. of households (FY2010/2011) 5,073 Literacy (%) 36.0 Land area (km²) 16.3 Residential area (km²) 7.3 Residential area (km²) 10.4 Electricity coverage (%) 100.0 Electricity availability (hrs) Summer 6 7.3 Summer 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	Year established	1989				Water-related diseases	, Diarrhea,	, , Dysentery,
Population (FY2010/2011) 75,600 Nos. of households (FY2010/2011) 5,073 Literacy (%) 36.0 Revenue (Tk) 8,718,811 Land area (km²) 16.3 Residential area (km²) 7,3 Residential area (km²) 10.0 Residential area (km²) 10.0 Residential area (km²) 7,3 Residential area (presons/ha) 104 Electricity coverage (%) 100.0 Committee formed TLCC /Frequency of meeting Yes, 3 months Summer 6 Winter 18 D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Area 1. Necessity of Piped water No Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordability for piped water (Tk/month) Affordability for piped water Supply Area Source No No Source Nos. of s	Contact Tel/Fax	0						
Population (FY2010/2011) 75,600 Nos. of households (FY2010/2011) 5,073 Literacy (%) 36.0 Revenue (Tk) 8,718,811 Land area (km²) 16.3 Residential area (km²) 7,3 Residential area (km²) 10.0 Residential area (km²) 10.0 Residential area (km²) 7,3 Residential area (presons/ha) 104 Electricity coverage (%) 100.0 Committee formed TLCC /Frequency of meeting Yes, 3 months Summer 6 Winter 18 D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Area 1. Necessity of Piped water No Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordability for piped water (Tk/month) Affordability for piped water Supply Area Source No No Source Nos. of s	E-mail					Technical staff (Nos.)	2	
Nos. of households (FY2010/2011) 5,073 Literacy (%) 36.0 Revenue (Tk) 8,718,811 Land area (km²) 16.3 Expenditure (Tk) 8,718,811 Residential area (km²) 7.3 Residential area pop. density (persons/ha) 104 Electricity coverage (%) 100.0 Committee formed Electricity availability (hrs) 6 Summer 6 Winter 18 D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped Water No No Arsenic contaminated wells (Nos.) 300-400 Piped water Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (TK/month) Affordability for piped water (TK/month) 100 2. Exiting Water Sources in Non-Piped Water Supply Area Source Nos. of source Pich (No) 100 95 Shallow well High Iron is some area. Sholw well (m/year) 0.2 Deep well 0 0 0 0 Deep well (m/year) Not known	Population (FY2010/2011)	75,600				· · · · · · · · · · · · · · · · · · ·		
Literacy (%) Land area (km²) Land area (km²) Residential area (km²)		5,073					15,540,933	3
Land area (km²) Residential area (km²) Residential area pop. density (persons/ha) Electricity coverage (%) Electricity availability (hrs) Summer Winter D. Non-Piped Water Supply Area 1. Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability (pro piped water (Tk/month) Affordability for piped water (Tk/month) Affordability for piped water (Tk/month) Affordability for piped water (Tk/month) Affordability (answered by pourashava staff) Source Nos. of		36.0				Revenue (Tk)	8,718,811	
Residential area (km²) Residential area pop. density (persons/ha) Electricity coverage (%) Electricity availability (hrs) Summer Winter D. Non-Piped Water Supply Area 1. Necessity of Piped water Reasons Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) No data Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (TK/month) Affordability for pi		16.3					8,521,284	
Residential area pop. density (persons/ha) Electricity coverage (%) Electricity availability (hrs) Summer Winter 18 D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordabile price in total household income (%) Electricity availability (hrs) Summer 6 WATSAN/Frequency of meeting WATSAN/Frequency of meeting WATSAN/Frequency of meeting No WATSAN/Frequency of meeting No WATSAN/Frequency of meeting Yes, 3 months No None,,, As contaminated wells (Nos.) 300-400 Arsenic contaminated wells (Nos.) Who data Woo problems in non-piped water supply area In open well I	l ' '	7.3				· · · · · · · · · · · · · · · · · · ·		
Electricity coverage (%) Electricity availability (hrs) Summer Winter 18 D. Non-Piped Water Supply Area 1. Necessity of Piped water Water meter No No Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources River Shallow well Summer Source River Shallow well Afood and Afood an	i i							
Electricity availability (hrs) Summer Winter 18 D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter No Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources No		100.0				Committee formed	buuget prepar	ation, ,
Summer 6 Winter 18 D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water No No Arsenic contaminated water supply (%) Sundata Water meter No Unhygienic drinking water (%) No data % of people using neighbor's well for drinking 10 Problems in non-piped water supply area Iron is some area, The depth of he pump is not enough Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (TK/month) Affordable price in total household income (%) 2.00 2. Exiting Water Sources in Non-Piped Water Supply Area Source Nos. of source Drinking (%) Domestic (%) River 1 0 0 0	, , ,					TLCC /Frequency of meeting	Yes. 3 mor	nths
D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water No Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Water Supply Area Source River Source River Shallow well Deep well 0 0 0 0 0 Main treatment method in domestic None, , , 300-400 Arsenic contaminated water supply (%) 5 Unhygienic drinking water (%) No data 6 6 6 7 7 8 7 9 7 8 7 9 7 8 7 8 7 8 8 7 8 8 9 8 8 8 9 8 9	1 1 1	6				. , ,	· '	
1. Necessity of Piped Water Supply Necessity of Piped water No Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordability for piped water Supply Area Source Source No. Source No. Source No. Source No Decrease of ground water level Shallow well (m/year) Deep well (m/year) Not known								
1. Necessity of Piped Water Supply Necessity of Piped water No Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordability for piped water Supply Area Source Source No. Source No. Source No. Source No Decrease of ground water level Shallow well (m/year) Deep well (m/year) Not known	D. Non-Piped Water Supply Area							
Necessity of Piped water No No No No No Arsenic contaminated water supply (%) Unhygienic drinking water (%) No data % of people using neighbor's well for drinking Problems in non-piped water supply area Iron is some area, The depth of hapump is not enough Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordabile price in total household income (%) 2.00 As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) No data % of people using neighbor's well for drinking Iron is some area, The depth of hapump is not enough As Potential Water Sources for Non-Piped Water Supply System Potential water sources Potential water sources Evaluation WQ problems Shallow well High Iron is some area Deep well Surface water sources Other sources No - Decrease of ground water level Shallow well (m/year) 0.2 Deep well (m/year) Not known						Main treatment method in domestic	None	
Piped water Water meter No	, , , , , , , , , , , ,							
Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) Source River Shallow well Deep well Deep well Deep well No data % of people using neighbor's well for drinking 10 Iron is some area, The depth of have pump is not enough 3. Potential Water Sources for Non-Piped Water Supply System Potential water sources Fival price in total household income (%) Shallow well Deep well Surface water sources No Decrease of ground water level Shallow well (m/year) Deep well (m/year) Not known		Nο				• • •		
Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Water Supply Area Source River Shallow well Afordable well Afordable price in total household income (%) Shallow well Afordable price in total household income (%) Source Nos. of source Prinking (%) Demestic (%) Demestic (%) Deep well Afordable well Afordable price in total household income (%) Deep well Afordable price in total household income (%) Affordable price in total household income (%) Deep well Afordable price in total household income (%) Affordable price in total household income (%) Affordabl	'					11,71,7		
Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2.00 2. Exiting Water Sources in Non-Piped Water Supply Area Source Nos. of source Problems in non-piped water supply area Problems in non-piped water supply area Potential Water Sources for Non-Piped Water Supply System Potential water sources Shallow well High Iron is some area WQ problems Shallow well Deep well Surface water sources Other sources No - Decrease of ground water level Shallow well (m/year) Deep well (m/year) Not known								
Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2.00 2. Exiting Water Sources in Non-Piped Water Supply Area Source Nos. of source Prinking (%) Demestic (%) Potential Water Sources Shallow well High Iron is some area Surface water sources - Surface water sources Other sources No Decrease of ground water level Shallow well (m/year) Deep well (m/year) Not known	ricusons							area. The depth of hand
Average household income/month (TK) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Water Supply Area Source Nos. of source Prinking (%) Potential water sources Shallow well Deep well - Surface water sources - Other sources No Decrease of ground water level Shallow well (m/year) Deep well (m/year) Not known						rroblems in non pipea mater supply area		
Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Water Supply Area Source Nos. of source Prinking (%) Pinking (%) Domestic (%) Shallow well A,000 Deep well Deep well Deep well Deep well Deep well Not known	Affordability (answered by pourashava staff)				3. F	Potential Water Sources for Non-Pipe	d Water Su	ipply System
Affordable price in total household income (%) 2.00 2. Exiting Water Sources in Non-Piped Water Supply Area Source Nos. of source Prinking (%) Domestic (%) River 1 0 0 Shallow well 4,000 100 95 Deep well 0 0 0 0 Deep well (m/year) 0.2 Deep well (m/year) Not known	Average household income/month (Tk)	5,000				Potential water sources	Evaluation	WQ problems
Source Nos. of source Drinking (%) Domestic (%)	Affordability for piped water (Tk/month)	100				Shallow well	High	Iron is some area
Source Nos. of source Drinking (%) Domestic (%)	Affordable price in total household income (%)	2.00				Deep well	-	-
River 1 0 0 Shallow well 4,000 100 95 Deep well 0 0 0 Deep well (m/year) Not known	2. Exiting Water Sources in Non-Piped Wa	ater Supply	y Area			Surface water sources	-	-
Shallow well 4,000 100 95 Shallow well (m/year) 0.2 Deep well 0 0 0 Deep well (m/year) Not known	Source	Nos. of source	Drinking (%)	Domestic (%)		Other sources	No	-
Deep well 0 0 Deep well (m/year) Not known	River	1	0	0		Decrease of ground water level		
	Shallow well	4,000	100	95		Shallow well (m/year)	0.2	
Ponds 15 0 5	Deep well	0	0	0		Deep well (m/year)	Not known	
20 0	Ponds	15	0	5				
Other sources 0 0 0	Other sources	0	0	0				

Harinakunda

A. Pourashava Profile								
Class	С				Sanitation coverage			
Division	Khulna				Latrine with septic tank (%)	15.0		
District	Jhenidah				Water sealed slab latrine (%)	50.0		
Year established	2002				Water-related diseases	, Diarrhea,	, , Dysentery,	
Contact Tel/Fax	Tel: 04522	-74084, Fax	: None					
E-mail					Technical staff (Nos.)	5		
Population (FY2010/2011)	29,144				Financial statements (2010/2011)	0		
Nos. of households (FY2010/2011)	4,744				Annual budget (Tk)	46,440,369	9	
Literacy (%)	65.0				Revenue (Tk)	7,488,684		
Land area (km²)	12.4				Expenditure (Tk)	5,437,000		
Residential area (km²)	7.5				Computerization		Salary payment, Rate	
Residential area pop. density (persons/ha)	39					Engineering, ,	estimate preparation,	
Electricity coverage (%)	60.0				Committee formed	u u,	,	
Electricity availability (hrs)					TLCC /Frequency of meeting	No		
Summer	6				WATSAN/Frequency of meeting	No		
Winter	12							
D. Non-Piped Water Supply Area								
1. Necessity of Piped Water Supply					Main treatment method in domestic	None, , ,		
Necessity of					As contaminated wells (Nos.)	Do not kno	w	
Piped water	Yes				Arsenic contaminated water supply (%)	Do not know		
Water meter	Yes				Unhygienic drinking water (%)	Do not know		
Reasons		and reduce wa	ste in		% of people using neighbor's well for drinking	15		
	household For actual bill	preparation and	d actual water		Problems in non-piped water supply area	In dry season water table problem is encountered in few shallow tube wells.		
	consumption.	pp						
Affordability (answered by pourashava staff)				3. F	Potential Water Sources for Non-Pipe	Water Su	upply System	
Average household income/month (Tk)	12,000				Potential water sources	Evaluation	WQ problems	
Affordability for piped water (Tk/month)	Do not kno	W			Shallow well	None	No problem	
Affordable price in total household income (%)	Do not kno	W			Deep well	-	-	
2. Exiting Water Sources in Non-Piped W	ater Suppl	y Area			Surface water sources	-	-	
Source	Nos. of source	Drinking (%)	Domestic (%)		Other sources	Yes	-	
River	2	0	20		Decrease of ground water level			
Shallow well	3,000	100	80		Shallow well (m/year)	2.0		
Deep well	0	0	0		Deep well (m/year)	Not known		
Ponds	0	0	0					
Other sources	0	0	0					

Homna

H	omna					Wit	th Non-Pipe	d Water Supply System
Α. Ι	Pourashava Profile							
	Class	В				Sanitation coverage		
	Division	Chittagong				Latrine with septic tank (%)	20.0	
	District	Comilla				Water sealed slab latrine (%)	51.0	
	Year established	2002				Water-related diseases	Arsenicosis, Diarr	hea, Cholera, Typhoid, Dysentery,
	Contact Tel/Fax	08025-5423	16					
	E-mail					Technical staff (Nos.)	8	
	Population (FY2010/2011)	28,947				Financial statements (2010/2011)	0	
	Nos. of households (FY2010/2011)	5,762				Annual budget (Tk)	44,916,556	5
	Literacy (%)	53.0				Revenue (Tk)	11,316,126	5
	Land area (km²)	11.7				Expenditure (Tk)	14,509,629	9
	Residential area (km²)	0.9				Computerization		
	Residential area pop. density (persons/ha)	309					, , , , , Engineer	ring, , Procurement,
	Electricity coverage (%)	100.0				Committee formed		
	Electricity availability (hrs)					TLCC /Frequency of meeting	Yes, 6 mor	nths
	Summer	20				WATSAN/Frequency of meeting	Yes, 2 mor	nths
	Winter	22						
D. I	Non-Piped Water Supply Area							
	lecessity of Piped Water Supply					Main treatment method in domestic	, Boiling, , F	iltration
	Necessity of					As contaminated wells (Nos.)	Do not kno	w
	Piped water	Yes				Arsenic contaminated water supply (%)	55	
	Water meter	Yes				Unhygienic drinking water (%)	4	
	Reasons	To minimize v	vastage of wa	ter, To know		% of people using neighbor's well for drinking	45	
		the accurate v	olume of wat	er what they		Problems in non-piped water supply area	Arsenic, Iron	
		will use.						
	Affordability (answered by pourashava staff)				3. F	Potential Water Sources for Non-Piped	Water Su	ipply System
	Average household income/month (Tk)	5,000				Potential water sources	Evaluation	
	Affordability for piped water (Tk/month)	150				Shallow well	Moderate	Arsenic
	Affordable price in total household income (%)	3.00				Deep well	Moderate	Iron
2. E	xiting Water Sources in Non-Piped W	ater Supply	/ Area			Surface water sources	High	No problem
	Source	Nos. of source	Drinking (%)	Domestic (%)		Other sources	No	-
	River	2	3	35		Decrease of ground water level		
	Shallow well	2,500	77	50		Shallow well (m/year)	Not known	
	Deep well	68	15	9		Deep well (m/year)	Not known	
	Ponds	2	1	1				
	Other sources	10	4	5				

Hossainpur

A. Pourashava Profile								
Class	С				Sanitation coverage			
Division	Dhaka				Latrine with septic tank (%)	25.0		
District	Kishorganj				Water sealed slab latrine (%)	45.0		
Year established	2006				Water-related diseases		, , Dysentery,	
Contact Tel/Fax	942556094				Trate: Telatea albeases	, Diairiica,	, , , , , , , , , , , , , , , , , , , ,	
E-mail	3 1233003 1				Technical staff (Nos.)	3		
Population (FY2010/2011)	28,206				Financial statements (2010/2011)	0		
Nos. of households (FY2010/2011)	4,868				Annual budget (Tk)	37,984,600)	
Literacy (%)	45.4				Revenue (Tk)	11,872,313		
Land area (km²)	5.5				Expenditure (Tk)	7,846,000		
Residential area (km²)	2.5				Computerization	, , , Salary payr	nent, Rate schedule and	
Residential area pop. density (persons/ha)	115				- Compaterization		aration, Engineering, Yearly	
Electricity coverage (%)	80.0				Committee formed	logical budget	preparation, Procurement,	
Electricity availability (hrs)	33.3				TLCC /Frequency of meeting	Yes, 3 months		
Summer	14				WATSAN/Frequency of meeting	No		
Winter	16				and the second s			
D. Non-Piped Water Supply Area								
1. Necessity of Piped Water Supply					Main treatment method in domestic	None, , ,		
Necessity of					As contaminated wells (Nos.)	20		
Piped water	Yes				Arsenic contaminated water supply (%)	Do not kno	w	
Water meter	Yes				Unhygienic drinking water (%)	0		
Reasons	Water was	age will be	reduced.		% of people using neighbor's well for drinking	60		
					Problems in non-piped water supply area	Arsenic, Iron (Fe),		
Affordability (answered by pourashava staff)				3. F	Potential Water Sources for Non-Piped	Water Su	ipply System	
Average household income/month (Tk)	10,000				Potential water sources	Evaluation	WQ problems	
Affordability for piped water (Tk/month)	200				Shallow well	None	Arsenic, Iron (Fe)	
Affordable price in total household income (%)	2.00				Deep well	High	No problem	
2. Exiting Water Sources in Non-Piped W	ater Suppl	/ Area			Surface water sources	-	-	
Source	Nos. of source	Drinking (%)	Domestic (%)		Other sources	No	-	
River	0	0	0		Decrease of ground water level			
Shallow well	100	100	60		Shallow well (m/year)	3.0		
Deep well	0	0	0		Deep well (m/year)	3.0		
Ponds	75	0	40					
Other sources	0	0	0					

Ishwarganj

A. Pourashava Profile Class Division District Mymensingh Water sealed slab latrine (%) Year established Contact Tel/Fax E-mail Population (FY2010/2011) Nos. of households (FY2010/2011) Literacy (%) Land area (km²) Residential area pop. density (persons/ha) Electricity coverage (%) Electricity coverage (%) Electricity availability (hrs) Summer Winter D. Non-Piped Water Supply Area A A A Band A Band Band Band Band Band Band Band Ban	y System
Division District Mymensingh Water sealed slab latrine (%) Year established 1997 Contact Tel/Fax E-mail Population (FY2010/2011) Nos. of households (FY2010/2011) Literacy (%) Residential area (km²) Residential area pop. density (persons/ha) Electricity availability (hrs) Summer Winter 10 Non-Piped Water Supply Necessity of Dhaka Latrine with septic tank (%) Adver sealed slab latrine (%) Water sealed slab latrine (%) 20.0 Technical staff (Nos.) Financial staff	
Division District Mymensingh Water sealed slab latrine (%) Year established 1997 Contact Tel/Fax E-mail Population (FY2010/2011) Nos. of households (FY2010/2011) Literacy (%) Residential area (km²) Residential area pop. density (persons/ha) Electricity availability (hrs) Summer Winter 10 Non-Piped Water Supply Necessity of Dhaka Latrine with septic tank (%) Adver sealed slab latrine (%) Water sealed slab latrine (%) 20.0 Technical staff (Nos.) Financial staff	
District Mymensingh Water sealed slab latrine (%) 20.0 Year established 1997 Water-related diseases , Diarrhea, , , , Contact Tel/Fax 0902756184 E-mail Technical staff (Nos.) 5 Population (FY2010/2011) 41,000 Financial statements (2010/2011) 0 Nos. of households (FY2010/2011) 4,000 Annual budget (Tk) 188,276,263 Literacy (%) 80.0 Revenue (Tk) 28,972,851 Land area (km²) 12.4 Expenditure (Tk) 27,315,620 Residential area pop. density (persons/ha) 73 Electricity coverage (%) 95.0 Computerization Holding tax management, Accoun license, , , , , , , Electricity availability (hrs) TLCC /Frequency of meeting Water Supply Area 1. Necessity of Piped Water Supply Necessity of Main treatment method in domestic As contaminated wells (Nos.) None, , , , O	
Year established Contact Tel/Fax E-mail Population (FY2010/2011) Nos. of households (FY2010/2011) Literacy (%) Land area (km²) Residential area pop. density (persons/ha) Electricity availability (hrs) Summer Winter D. Non-Piped Water Supply Area Year established 1997 Water-related diseases , Diarrhea, , , , Diarrhea, , , Diarrhea, , , , Diarrha a	
Contact Tel/Fax E-mail Population (FY2010/2011) Nos. of households (FY2010/2011) Literacy (%) Land area (km²) Residential area pop. density (persons/ha) Electricity availability (hrs) Summer Winter D. Non-Piped Water Supply Area 1. Necessity of Population (FY2010/2011) 41,000 Financial staff (Nos.) Financial staff (N	
E-mail Population (FY2010/2011) 41,000 Financial statements (2010/2011) 0 Nos. of households (FY2010/2011) 4,000 Annual budget (Tk) 188,276,263 Literacy (%) 80.0 Revenue (Tk) 28,972,851 Land area (km²) 12.4 Expenditure (Tk) 27,315,620 Residential area (km²) 5.6 Computerization Holding tax management, Account license,,,,,, Electricity coverage (%) 95.0 Committee formed Electricity availability (hrs) TLCC /Frequency of meeting WatsAN/Frequency of meeting Winter D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Main treatment method in domestic As contaminated wells (Nos.) Mone, , ,	
Population (FY2010/2011) 41,000 Financial statements (2010/2011) 0 Nos. of households (FY2010/2011) 4,000 Annual budget (Tk) 188,276,263 Literacy (%) 80.0 Revenue (Tk) 28,972,851 Land area (km²) 12.4 Expenditure (Tk) 27,315,620 Residential area (km²) 5.6 Computerization Holding tax management, Account license,,,,,, Electricity coverage (%) 95.0 Committee formed Electricity availability (hrs) TLCC /Frequency of meeting WatsAN/Frequency of meeting Winter 12 D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Main treatment method in domestic As contaminated wells (Nos.) 0	
Nos. of households (FY2010/2011) 4,000 Literacy (%) Land area (km²) Residential area (km²) Residential area pop. density (persons/ha) Electricity coverage (%) Electricity availability (hrs) Summer Winter D. Non-Piped Water Supply Area 1. Necessity of Nos. of households (FY2010/2011) 4,000 Revenue (Tk) Expenditure (Tk) Computerization Holding tax management, Account license, Computerization Committee formed TLCC /Frequency of meeting No WATSAN/Frequency of meeting No Main treatment method in domestic As contaminated wells (Nos.) None, , ,	
Literacy (%) Land area (km²) Residential area (km²) Residential area pop. density (persons/ha) Electricity coverage (%) Electricity availability (hrs) Summer Winter D. Non-Piped Water Supply Area 1. Necessity of 1. Land area (km²) 1. Land	
Land area (km²) Residential area (km²) Residential area (km²) Residential area (km²) Residential area (km²) Selectricity coverage (%) Electricity availability (hrs) Summer Winter D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of 12.4 Expenditure (Tk) Computerization Holding tax management, Account license,,,,,, TCC / Frequency of meeting WATSAN/Frequency of meeting WATSAN/Frequency of meeting No Main treatment method in domestic As contaminated wells (Nos.)	
Residential area (km²) Residential area pop. density (persons/ha) Electricity coverage (%) Electricity availability (hrs) Summer Winter D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Source Computerization Computerization Holding tax management, Account license,,,,,, TCC / Frequency of meeting WATSAN/Frequency of meeting WATSAN/Frequency of meeting No Main treatment method in domestic As contaminated wells (Nos.) None,,, 0	
Residential area pop. density (persons/ha) Electricity coverage (%) Electricity availability (hrs) Summer Winter D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Pick of Piped Water Supply As contaminated wells (Nos.) 73 Committee formed TLCC /Frequency of meeting WATSAN/Frequency of meeting No WATSAN/Frequency of meeting No No None, , , As contaminated wells (Nos.)	ring Trade
Electricity coverage (%) Electricity availability (hrs) Summer Winter D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Electricity availability (hrs) Summer 10 WATSAN/Frequency of meeting WATSAN/Frequency of meeting No WATSAN/Frequency of meeting No WATSAN/Frequency of meeting No No As contaminated wells (Nos.)	ing, made
Electricity availability (hrs) Summer Winter D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Electricity availability (hrs) Summer 10 WATSAN/Frequency of meeting WATSAN/Frequency of meeting No WATSAN/Frequency of meeting No WATSAN/Frequency of meeting No WATSAN/Frequency of meeting No	
Summer 10 WATSAN/Frequency of meeting No Winter 12 D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of As contaminated wells (Nos.) None, , , As contaminated wells (Nos.)	
Winter 12 D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of As contaminated wells (Nos.) None, , , As contaminated wells (Nos.)	
1. Necessity of Piped Water Supply Necessity of None, , , As contaminated wells (Nos.) None, , , 0	
1. Necessity of Piped Water Supply Main treatment method in domestic None, , , Necessity of As contaminated wells (Nos.) 0	
Necessity of As contaminated wells (Nos.)	
Tiped Water Supply (79)	
Water meter Yes Unhygienic drinking water (%) 0	
Reasons Water Meter should be installed % of people using neighbor's well for drinking 40	
and all will pay the bill accordingly. Problems in non-piped water supply area Water level declining day-l	v-dav
Toblems in for pipe with supply area	, 44,,,
Affordability (answered by pourashava staff) 3. Potential Water Sources for Non-Piped Water Supply System	
Average household income/month (Tk) 12,000 Potential water sources Evaluation WQ probl	<u>ems</u>
Affordability for piped water (Tk/month) 240 Shallow well High -	
Affordable price in total household income (%) 2.00 Deep well High No Problem	
2. Exiting Water Sources in Non-Piped Water Supply Area Surface water sources	
Source Nos. of source Drinking (%) Domestic (%) Other sources No -	
River 0 0 0 Decrease of ground water level	
Shallow well 1,000 100 Shallow well (m/year) Not known	
Deep well 0 0 0 Deep well (m/year) Not known	
Ponds 0 0 0	
Other sources 0 0 0	

Islampur

Class									
Division Disable Division District Jamaipur Jamaipur Water sealed slab latrine (%) 5.0	A. Pourashava Profile								
District	Class	В				Sanitation coverage			
Year established 1998	Division	Dhaka				Latrine with septic tank (%)	5.0		
Contact Tel/Fax E-mail F-mail F	District	Jamalpur				Water sealed slab latrine (%)	5.3		
F-mail	Year established	1998				Water-related diseases	, , , Typhoi	d, Dysentery,	
Population (FY2010/2011) 46,000 Financial statements (2010/2011) 0 Nos. of households (FY2010/2011) 6,636 Annual budget (TK) 103,937,694 Literacy (%) 62.7 Revenue (Tk) 13,853,438 Land area (km²) 14.7 Expenditure (Tk) 13,548,444 Residential area (pop. density (persons/ha) 153 Electricity coverage (%) 70.0 Committee formed Electricity availability (hrs) Summer 6 Minter 14 D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Area Piped water Yes Water meter Yes Save water and know the amount of non revenue water. Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (TK/month) 150 Affordability for piped water Supply Area Source Nos. of source Dinking (%) Deep well Shallow well (m/year) 0.0 Financial statements (2010/2011) 0 103,937,694 Annual budget (TK) 103,937,694 Revenue (Tk) 13,853,438 Expenditure (Tk) 13,853,438 Expenditure (Tk) 13,937,694 Revenue (Tk) 13,853,438 Expenditure (Tk) 13,853,438 Expenditure (Tk) 13,937,694 Revenue (Tk) 13,853,438 Expenditure (Tk) 13,853,438 Expenditure (Tk) 13,853,438 Expenditure (Tk) 13,937,694 Revenue (Tk) 13,853,438 Expenditure (Tk) 13,954,44 Salary payment, Rate schedule and estimate preparation, finering, Yearly logical budget preparation	Contact Tel/Fax	017120286	03						
Nos. of households (FY2010/2011) 6,636 Literacy (%) 62.7 Revenue (Tk) 13,937,694 Land area (km²) 14.7 Residential area (km²) 3.0 Computerization Salary payment. Rate schedule and estimate preparation. Procurement, 153 Electricity coverage (%) 70.0 Committee formed TLCC /Frequency of meeting WATSAN/Frequency of meeting WATSAN/Frequency of meeting WATSAN/Frequency of meeting WATSAN/Frequency of meeting No D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped Water Supply Reasons Save water and know the amount of non revenue water. Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordability of piped water (Tk/month) Affordability of piped water (Tk/month) Affordability of piped water Supply Area Source Nos. of source Drinking (%) Demestic (%) Deep well Shallow well Shallow well Open well (m/year) 0.0 Annual budget (Tk) 13,583,438 Revenue (Tk) 13,583,438 Lxpenditure (Tk) Computerization Computerization Computerization Computerization Computerization Computerization Procurement, 153 Lxpenditure (Tk) Computerization Computerization Computerization Computerization Procurement, 154 Salany payment, Rate schedule and estimate preparation, Procurement, 155 Computerization Computerization Procurement, 155 Computerization Computerization Procurement, 155 Computerization Computerization Computerization Procurement, 155	E-mail					Technical staff (Nos.)	5		
Literacy (%) Land area (km²) Land area (km²) Residential area (km²)	Population (FY2010/2011)	46,000				Financial statements (2010/2011)	0		
Land area (km²) Residential area (km²) Residential area pop. density (persons/ha) Electricity coverage (%) Electricity availability (hrs) Summer Winter D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Reasons Save water and know the amount of non revenue water. Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordability for piped water (Tk/month) Affordability for piped water (Tk/month) Affordability for piped water Supply Area Source Nos. of source Nos. of source Shallow well Deep well Deep well Deep well Shallow well (m/year) Deep well (m/year) Deep well (m/year) Source Shallow well (m/year) D. Committee formed TLCC /Frequency of meeting WATSAN/Frequency of meeting No WATSAN/Frequency of meeting No WATSAN/Frequency of meeting WATSAN/Frequency of meeting WATSAN/Frequency of meeting Ves, 1 month	Nos. of households (FY2010/2011)	6,636				Annual budget (Tk)	103,937,69	94	
Residential area (km²) Residential area (km²) Residential area pop. density (persons/ha) Electricity coverage (%) Summer Winter D. Non-Piped Water Supply Area 1. Necessity of Piped water Water meter Reasons Save water and know the amount of non revenue water. Affordability (answered by pourashava staff) Average household income/month (TK) Affordable price in total household income (%) Affordable price in total household income (%) Fiver Source Nos. of source Nos. of source Shallow well Deep well Deep well Residential area (km²) 3.0 Computerization Computerization ### Autor Computerization ### Procurement ### Ves, 1 month ### None, /, ### As contaminated wells (Nos.) ### One	Literacy (%)	62.7				Revenue (Tk)	13,853,438	3	
Residential area pok mestity (persons/ha) Electricity coverage (%) Electricity availability (hrs) Summer 6 Winter 14 D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability (answered by pourashava staff) Affordability for piped water (Tk/month) Affordab	Land area (km²)	14.7				Expenditure (Tk)	13,548,444	1	
Residential area pop. density (persons/ha) Electricity coverage (%) Summer Summer Winter D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Save water and know the amount of non revenue water. Affordability (answered by pourashava staff) Average household income/month (Tk) Affordabile price in total household income (%) Fixer Source Non-Piped Water Supply Area Affordabile price in total household income (%) Shallow well Deep well Source Non-Piped Water Supply Area Source Non-Piped Water Supply Area Source Non-Piped Water Supply Area Committee formed TLCC /Frequency of meeting WATSAN/Frequency of meeting WATSAN/Frequency of meeting WATSAN/Frequency of meeting Non-Piped Water Supply None As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) Source Non-Piped Water Supply Area Source Non-Piped Water Supply Ar	Residential area (km²)	3.0				Computerization			
Electricity coverage (%)	Residential area pop. density (persons/ha)	153						,	
Summer Winter 14 D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Supply Necessity of Piped water Yes Water meter Yes Reasons Save water and know the amount of non revenue water. Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordability for piped water Supply Area Source Nos. of source Drinking (%) Domestic (%) River 0 0 0 0 0 0 Shallow well (m/year) 0.0 Deep well Mydar Supply None None Turbidity Deep well (m/year) 0.0	Electricity coverage (%)	70.0				Committee formed		, , , , , , , , , , , , , , , , , , , ,	
D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Yes Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordabile price in total household income (%) 2. Exiting Water Sources in Non-Piped Water Supply Area Source River Source River Shallow well Deep well 3. Wain treatment method in domestic As contaminated walls (Nos.) 0 Arsenic contaminated water supply (%) 0 Unhygienic drinking water (%) 10 As contaminated water supply (%) 0 Unhygienic drinking water (%) 10 Wo of people using neighbor's well for drinking 15 Not available water supply in summer season, Turbid and liron in water sources for Non-Piped Water Supply System Potential Water Sources for Non-Piped Water Supply System Potential water sources Shallow well None Odour,Iron Deep well Surface water sources None Turbidity Other sources Other sources Shallow well (m/year) 0.0 Deep well (m/year) 0.0	Electricity availability (hrs)					TLCC /Frequency of meeting	Yes, 1 mor	nth	
D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Save water and know the amount of non revenue water. Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordability for piped water Supply Area Source River Source Shallow well Deep well Shallow well Deep well Affordability (answered by pourashava staff) Average household income (%) 1.77 Deep well Affordability for piped water (Tk/month) Shallow well O Deep well Shallow well O Deep well Main treatment method in domestic As contaminated wells (Nos.) O Arsenic contaminated water supply (%) Unhygienic drinking water (%) Unhygienic drinking water (%) O Unhygienic drinking water (%) O Unhygienic drinking water supply area Not available water supply in summer season, Turbid and liron in water Potential Water Sources for Non-Piped Water Supply System Potential water sources Shallow well None Odour,Iron Deep well Surface water sources No - Decrease of ground water level Shallow well (m/year) Deep well (m/year) Deep well (m/year) Deep well (m/year)	Summer	6				WATSAN/Frequency of meeting	No		
1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordability for piped water (Tk/month) Affordability for piped water Supply Area Source River Source Shallow well Deep well None,,, As contaminated water supply (%) Unhygienic drinking water (%) So people using neighbor's well for drinking Problems in non-piped water supply area Sources Shallow well Shallow well Surface water sources Sources None Ves As contaminated wells (Nos.) O Unhygienic drinking water (%) So people using neighbor's well for drinking Problems in non-piped water supply area Sources for Non-Piped Water Supply System Potential water sources Shallow well None Odour,Iron Deep well High No problem Surface water sources None Turbidity Other sources Shallow well (m/year) O.0 Deep well (m/year) O.0	Winter	14							
1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordability for piped water (Tk/month) Affordability for piped water (Tk/month) Affordability for piped water Supply Area Source River Source Shallow well Deep well None, , , Main treatment method in domestic As contaminated water supply (No.) Arsenic contaminated water supply (No.) Unhygienic drinking water (%) Unhygienic drinking water (%) Not available water supply in summer season, Turbid and liron in water 3. Potential Water Sources for Non-Piped Water Supply System Potential water sources Shallow well None Odour,Iron Piped water supply in summer season, Turbid and liron in water Shallow well None Other sources None Turbidity Other sources Shallow well (m/year) Deep well (m/year) O.0	D. Non-Piped Water Supply Area								
Necessity of Piped water Yes Water meter Yes Arsenic contaminated water supply (%) Unhygienic drinking water (%) Save water and know the amount of non revenue water. Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Water Supply Area Source Nos. of source Prinking (%) Deep well As contaminated wells (Nos.) Unhygienic drinking water (%) % of people using neighbor's well for drinking 15 Not available water supply in summer season, Turbid and liron in water 3. Potential Water Sources for Non-Piped Water Supply System Potential water sources Shallow well None Odour,Iron Deep well High No problem Surface water sources None Turbidity Other sources Other sources No Pecrease of ground water level Shallow well (m/year) Deep well (m/year) Deep well (m/year) Deep well (m/year)						Main treatment method in domestic	None, , ,		
Water meter Reasons Save water and know the amount of non revenue water. Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income(%) 2. Exiting Water Sources in Non-Piped Water Supply Area Source Nos. of source Prinking (%) Deep well Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area Not available water supply in summer season, Turbid and liron in water 3. Potential Water Sources for Non-Piped Water Supply System Potential water sources Evaluation WQ problems Shallow well None Odour,Iron Deep well High No problem Surface water sources None Turbidity Other sources No Pocrease of ground water level Shallow well (m/year) Deep well (m/year) 0.0	, , , , , , , , , , , , , , , , , , , ,					As contaminated wells (Nos.)	0		
Reasons Save water and know the amount of non revenue water. Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) 1.77 2. Exiting Water Sources in Non-Piped Water Supply Area Source Nos. of source Nos. of source Nos. of source Nos. of source Shallow well Deep well Shallow well Shallow well Shallow well Other sources Shallow well (m/year) Other sources Source Shallow well (m/year) Other sources Shallow well (m/year)	Piped water	Yes				Arsenic contaminated water supply (%)	0		
Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Water Supply Area Source Nos. of source Problems in non-piped water supply area Not available water supply in summer season, Turbid and liron in water 3. Potential Water Sources for Non-Piped Water Supply System Potential water sources Shallow well None Odour, Iron Deep well High No problems Surface water sources None Turbidity Other sources No Potential water sources Shallow well None Odour, Iron Deep well Surface water sources None Turbidity Other sources Shallow well (m/year) Decrease of ground water level Shallow well (m/year) Deep well (m/year) O.0	Water meter	Yes				Unhygienic drinking water (%)	10		
Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordability for piped water (Tk/mont	Reasons	Save water	and know t	the		% of people using neighbor's well for drinking	15		
Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Water Supply Area Source Nos. of source Nos. of source Pinking (%) Deep well Shallow well Deep well Shallow well Surface water sources None Other sources No Decrease of ground water level Shallow well (m/year) Other sources Shallow well (m/year) Other sources Oth		amount of	non revenu	e water.		Problems in non-piped water supply area			
Average household income/month (Tk) Affordability for piped water (Tk/month) A							season, Turb	id and liron in water	
Affordability for piped water (Tk/month) Affordable price in total household income (%) 1.77 2. Exiting Water Sources in Non-Piped Water Supply Area Source Nos. of source Prinking (%) Domestic (%) River 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Affordability (answered by pourashava staff)				3. F	Potential Water Sources for Non-Piped	Water Su	ipply System	
Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Water Supply Area Source Nos. of source Nos. of source Prinking (%) Nos. of source None Turbidity Other sources No Decrease of ground water level Shallow well (m/year) Deep well (m/year) O.0 Deep well (m/year) O.0	Average household income/month (Tk)	8,444				Potential water sources	<u>Evaluation</u>	<u>WQ problems</u>	
Source	, , , , , , , , , , , , , , , , , , , ,	150				Shallow well	None	Odour,Iron	
Source Nos. of source Drinking (%) Domestic (%) River 0 0 0 Shallow well 5,000 96 80 Deep well 3 4 5 Other sources No - Decrease of ground water level Shallow well (m/year) 0.0 Deep well (m/year) 0.0	Affordable price in total household income (%)	1.77				Deep well	High	No problem	
River 0 0 0 Decrease of ground water level Shallow well 5,000 96 80 Shallow well (m/year) 0.0 Deep well 3 4 5 Deep well (m/year) 0.0	2. Exiting Water Sources in Non-Piped W	ater Suppl	y Area			Surface water sources		Turbidity	
Shallow well 5,000 96 80 Shallow well (m/year) 0.0 Deep well 3 4 5 Deep well (m/year) 0.0	Source	Nos. of source	Drinking (%)	Domestic (%)		Other sources	No	-	
Deep well 3 4 5 Deep well (m/year) 0.0	River	0	0	0		Decrease of ground water level			
	Shallow well	5,000	96			, . , , , , , , , , , , , , , , , , , ,	0.0		
Ponds 30 0 15	Deep well		4			Deep well (m/year)	0.0		
	Ponds								
Other sources 3 0 1	Other sources	3	0	1					

Jagannathpur

A. Pour	rashava Profile							
Class								
		В				Sanitation coverage		
Divisi	ion	Sylhet				Latrine with septic tank (%)	5.0	
Distri	ict	Sunamgonj				Water sealed slab latrine (%)	80.0	
Year	established	1999				Water-related diseases	, Diarrhea,	, Typhoid, Dysentery,
Conta	act Tel/Fax	08727-5607	75					
	E-mail	mayor.jaga	nnathpur@	gmail.com		Technical staff (Nos.)	3	
Popu	lation (FY2010/2011)	34908				Financial statements (2010/2011)	0	
Nos.	of households (FY2010/2011)	5498				Annual budget (Tk)	23,890,000	0
Litera	acy (%)	40.0				Revenue (Tk)	9,890,000	
Land	area (km²)	26.9			Expenditure (Tk)	9,865,000		
Re	sidential area (km²)	13.4			Computerization			
Res	idential area pop. density (persons/ha)	26					,,,,,,,	
Elect	ricity coverage (%)	80.0				Committee formed		
Elect	ricity availability (hrs)					TLCC /Frequency of meeting	Yes, 3 mor	nths
	Summer	12				WATSAN/Frequency of meeting	No	
	Winter	15						
D. Non	-Piped Water Supply Area							
1. Neces	sity of Piped Water Supply					Main treatment method in domestic	, , , Filtratio	n
Nece	ssity of					As contaminated wells (Nos.)	0	
Pip	ped water	Yes				Arsenic contaminated water supply (%)	0	
Wa	ater meter	Yes				Unhygienic drinking water (%)	5	
	Reasons	 In this pourashavabroad. So their a 				% of people using neighbor's well for drinking	10	
		easily afford to pa	y meter bill of wat	ter.		Problems in non-piped water supply area	Due to scarcity of pure water pora people affected by different water borne dieases, Shotage of pure	
		- They have ability	to pay water met				water poura pep	ple suffering water borne diesseas
	dability (answered by pourashava staff)				3. F	Potential Water Sources for Non-Piped	Water Su	
	erage household income/month (Tk)	20,000				Potential water sources	Evaluation	WQ problems
	, , , , , , , ,	250				Shallow well	High	High percentages of iron.
	ordable price in total household income (%)	1.25				Deep well	-	Do not know
2. Exitin	g Water Sources in Non-Piped Wa				1	Surface water sources	High	River water is moderately polluted.
	Source	Nos. of source	Drinking (%)	Domestic (%)		Other sources	No	-
Riv		2	0	25		Decrease of ground water level		
	allow well	12	60	40		Shallow well (m/year)	0.3	
	ep well	3	34	20		Deep well (m/year)	Not known	
	nds	90	6	15				
Ot	her sources	0	0	0				

Jaldhaka

A.	Pourashava Profile							
	Class	С				Sanitation coverage		
	Division	Rangpur				Latrine with septic tank (%)	12.0	
	District	Nilphamari				Water sealed slab latrine (%)	59.6	
	Year established	2001				Water-related diseases	, Diarrhea,	, , Dysentery,
	Contact Tel/Fax	Tel: 05524-	-64098					
	E-mail					Technical staff (Nos.)	6	
	Population (FY2010/2011)	81,385				Financial statements (2010/2011)	0	
	Nos. of households (FY2010/2011)	9,975				Annual budget (Tk)	120,000,0	00
	Literacy (%)	55.0				Revenue (Tk)	16,322,00	0
	Land area (km²)	28.2				Expenditure (Tk)	15,765,00	0
	Residential area (km²)	9.9				Computerization		dule and estimate
	Residential area pop. density (persons/ha)	82						ngineering, Yearly logical ration, Procurement,
	Electricity coverage (%)	25.0				Committee formed		
	Electricity availability (hrs)					TLCC /Frequency of meeting	No	
	Summer	12				WATSAN/Frequency of meeting	No	
	Winter	20	20					
D.	Non-Piped Water Supply Area							
1. N	lecessity of Piped Water Supply					Main treatment method in domestic	None, , ,	
	Necessity of					As contaminated wells (Nos.)	0	
	Piped water	Yes				Arsenic contaminated water supply (%)	0	
	Water meter	Yes				Unhygienic drinking water (%)	2	
	Reasons	- To calculate	the revenue v	water		% of people using neighbor's well for drinking	6	
			proper use of			Problems in non-piped water supply area	Iron is som	e area, The depth of
		- To dentify the	he quantity of	water			hand pump	is not enough
	Affordability (answered by pourashava staff)			3. F	Potential Water Sources for Non-Pipe	Water Su	upply System	
	Average household income/month (Tk)	7,000	7,000			Potential water sources	Evaluation	WQ problems
	Affordability for piped water (Tk/month)	50				Shallow well	High	Iron is some area
	Affordable price in total household income (%)				Deep well	High	Iron is some area	
2. E	xiting Water Sources in Non-Piped W					Surface water sources	-	-
	Source	Nos. of source	Drinking (%)	Domestic (%)		Other sources	No	-
	River	3	0	0		Decrease of ground water level		
	Shallow well	9,608	100	95		Shallow well (m/year)	0.3	
	Deep well	2	0	0		Deep well (m/year)	Not known	
	Ponds	700	0	5				
	Other sources	0	0	0				

Jibonnagar

Class Division Class Division Class Division Class Claudanga Chuadanga Water-related diseases Chuadanga Contact Tel/Fax E-mail Contact Tel/Fax E-mail Population (FY2010/2011) Nos. of households (FY2010/2011) S,265 Annual budget (TK)	Jibonnagar					Wi	th Non-Pipe	ed Water Supply System
Division District Chuadanga District Chuadanga District Chuadanga District Chuadanga District Chuadanga District Vear established District Vear established District Vear established District Contact Tel/Fax District District Contact Tel/Fax Tel: 07624-75220, 75313 Technical staff (Nos.) Financial staff (Nos.) Financial staff (Nos.) Financial statements (2010/2011) District Annual budget (Tk) Annual budget (Tk) Associated (Kry2010/2011) District District Computerization District District Computerization District District Computerization District Computerization District District Computerization District District Computerization District District Computerization District District District Computerization District District District Computerization District District District District Computerization District District District District District District Computerization District	A. Pourashava Profile							
District Year established 1997 Contact Tel/Fax E-mail Population (FY2010/2011) Nos. of households (FY2010/2011) Literacy (%) Land area (km²) Residential area pop. density (persons/ha) Electricity coverage (%) Summer Winter D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped Water Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability (answered by pourashava staff) Affordability (pripied water (Tk/month) Affordability for piped water (TK/month) Population (FY2010/2011) A8,756 Financial staff (Nos.) Financial staff (Nos.) Financial staff (Nos.) Financial staff (Nos.) Commute (Tk) Annual budget (Tk) As (2,865,000 Annual budget (Tk) As (2,865,000 Annual budget (Tk) As (2,865,000 Annual budget (Tk) As (2,865,000 Annual budget (Tk) As (2,865,000 Annual budget (Tk) As (2,865,000 Annual budget (Tk) As (2,865,000 Annual budget (Tk) Annual bu	Class	В				Sanitation coverage		
Year established Contact Tel/Fax E-mail Population (FY2010/2011) Nos. of households (FY2010/2011) S,265 Annual budget (Tk) Literacy (%) Land area (km²) Residential area (km²) Residential area (km²) Residential area (km²) Summer Residential area (pop. density (persons/ha) Electricity coverage (%) Electricity availability (hrs) Summer Winter D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordability for piped water (Tk/month) Do not know Water Supply Area 1. Occasion Alabamate Alabamate (Tk/month) Do not know Water Supply average (Tk/month) Water Supply average (Tk/month) Potential Water Sources for Non-Piped Water Supply System Potential Water Sources Potential Water Sources for Non-Piped Water Supply System Potential water sources Potential Water Sources Favaluation Potential water sources Favaluation Moderate Potential water sources Favaluation Potential water sources Favaluation Moderate Potential water sources Favaluation Favaluation Favance for Non-Piped Potential water sources Favaluation Favance for Non-Piped Potential water sources Favaluation Favance for Non-Piped Favance for Non-	Division	Khulna				Latrine with septic tank (%)	35.0	
Contact Tel/Fax E-mail Population (FY2010/2011) 48,756 Financial staff (Nos.) 6 Nos. of households (FY2010/2011) 5,265 Annual budget (Tk) 42,865,000 Literacy (%) 45.0 Revenue (Tk) 10,100,000 Land area (km²) 15.0 Expenditure (Tk) 10,100,000 Residential area (km²) 9.0 Expenditure (Tk) 10,100,000 Residential area pop. density (persons/ha) 54 Electricity coverage (%) 98.0 Committee formed Electricity availability (hrs) Summer 8 Minter 16 D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Supply Necessity of Piped water Yes Water meter Piped water Yes Save the waste water -By knowing how much water consumed By customers And pay the bills accordingly used of water. Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Do not know Tel: 07624-75220, 75313 Technical staff (Nos.) 6 Financial staff (Nos.) 42,865,000 Annual budget (Tk) 42,865,000 Expenditure (Tk) 10,100,000 Expenditure (Tk) 10,100,000 The sexidential area (km²) 10,100,000 The sexidential a	District	Chuadanga				Water sealed slab latrine (%)	40.0	
F-mail Fopulation (FY2010/2011) 48,756 Financial staff (Nos.) 6 Financial staff (Nos.) 7 Financial staff (Nos.) 7 Financial statements (2010/2011) 0 Month of the properties of th	Year established	1997				Water-related diseases	, Diarrhea,	, , Dysentery,
Population (FY2010/2011) 48,756 Financial statements (2010/2011) 0 Nos. of households (FY2010/2011) 5,265 Annual budget (Tk) 42,865,000 Literacy (%) 45.0 Revenue (Tk) 10,100,000 Land area (km²) 15.0 Expenditure (Tk) 10,100,000 Residential area (km²) 9.0 Computerization Residential area opo. density (persons/ha) 54 Electricity coverage (%) 98.0 Committee formed Electricity availability (hrs) 8 WATSAN/Frequency of meeting Worther 16 D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Area Necessity of Piped water Yes Yes Arsenic contaminated water supply (%) 13 Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Average household income/month (Tk) Affordability for piped water (Tk/month) Potential water sources Salulion Financial statements (2010/2011) 0 Annual budget (Tk) 42,865,000 Revenue (Tk) 10,100,000 Revenue (Tk) 10,100,000 Expenditure (Tk) 10,100,000 , Rate schedule and estimate preparation, Engineering, Yearly logic budget preparation, Figure Prepara	Contact Tel/Fax	Tel: 07624-	75220, 753	13				
Nos. of households (FY2010/2011) Literacy (%) Land area (km²) Residential area (km²) Residential area (km²) Residential area pop. density (persons/ha) Electricity coverage (%) Electricity availability (hrs) Summer Winter D. Non-Piped Water Supply Area 1. Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Signal Annual budget (Tk) Revenue (Tk) Revenue (Tk) 10,100,000 Expenditure (Tk) 10,100,000 Computerization Committee formed TLCC /Frequency of meeting No WATSAN/Frequency of meeting Ves, 3 months Main treatment method in domestic As contaminated wells (Nos.) 211 Arsenic contaminated water supply (%) 13 Unhygienic drinking water (%) % of people using neighbor's well for drinking Potential Water Sources for Non-Piped Water Supply System Potential Water Sources for Non-Piped Water Supply System Affordability for piped water (Tk/month) Do not know Potential water sources Shallow well Moderate Arsenic, Iron for Shall	E-mail					Technical staff (Nos.)	6	
Literacy (%) Land area (km²) Residential area (km²) Residential area (km²) Residential area pop. density (persons/ha) Electricity coverage (%) Electricity availability (hrs) Summer Winter 16 D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Residential area pop. density (persons/ha) Electricity availability (hrs) Summer Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (TK/month) Do not know Revenue (TK) 10,100,000 Expenditure (Tk) 10,100,000 MATSAN/Frequency of meeting WATSAN/Frequency of meeting W	Population (FY2010/2011)	48,756				Financial statements (2010/2011)	0	
Land area (km²) Residential area (km²) Residential area (km²) Residential area pop. density (persons/ha) Electricity coverage (%) Electricity availability (hrs) Summer Winter 16 D. Non-Piped Water Supply Area 1. Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordability for piped water (Tk/month) 15.0 Expenditure (Tk) Computerization TLCC (Arequency of meeting WATSAN/Frequency of meeting Wes, 3 months None,,, As contaminated wells (Nos.) 211 Arsenic contaminated water supply (%) 30 of people using neighbor's well for drinking Problems in non-piped water supply area 1. None,,, Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Do not know Sallow well Moderate Arsenic contaminated water supply area 1. None,,, Arsenic contaminated water supply (%) 12 12 13 14 15 10 10 10 10 10 10 10 10 10	Nos. of households (FY2010/2011)	5,265				Annual budget (Tk)	42,865,00	0
Residential area (km²) Residential area pop. density (persons/ha) Electricity coverage (%) Electricity availability (hrs) Summer Winter D. Non-Piped Water Supply Area 1. Necessity of Piped Water Water meter Reasons Piped water Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Possidential area pop. density (persons/ha) 54 Computerization WATSAN/Frequency of meeting TLCC /Frequency of meeting WATSAN/Frequency of meeting WATSAN/Frequency of meeting Test, 3 months None, , , As contaminated wells (Nos.) Unhygienic drinking water (%) Sopeople using neighbor's well for drinking Problems in non-piped water supply area of water. 3. Potential Water Sources for Non-Piped Water Supply System Poblems In non-piped Water Supply System Potential water sources Evaluation WQ problem Shallow well Afsenic, Iron for Shall	Literacy (%)	45.0				Revenue (Tk)	10,100,00	0
Residential area (km) Residential area pop. density (persons/ha) Electricity coverage (%) Electricity availability (hrs) Summer Winter D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Piped water Yes Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordability for piped water (Tk/month) Average household income/month (Tk) Affordability for piped water (Tk/month) Accommittee formed TLCC /Frequency of meeting WATSAN/Frequency of meeting WATSAN/Frequency of meeting No None, , , As contaminated wells (Nos.) As contaminated water supply (%) As contaminated water supply (%) As contaminated water supply (%) Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordability for piped water (Tk/month) Accommittee formed TLCC /Frequency of meeting WATSAN/Frequency of meeting Yes, 3 months None, , , As contaminated wells (Nos.) Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Accommittee formed TLCC /Frequency of meeting WATSAN/Frequency of meeting Yes, 3 months None, , , As contaminated wells (Nos.) Affordability (answered by loos.) Arsenic contamination in the Shallow wells, in the dry season not sufficient wat produced 3. Potential Water Sources for Non-Piped Water Supply System Potential water sources Evaluation WQ problem Arsenic, Iron for Shall	Land area (km²)	15.0				Expenditure (Tk)	10,100,00	0
Residential area pop. density (persons/ha) Electricity coverage (%) Electricity availability (hrs) Summer Winter B. WATSAN/Frequency of meeting Winter D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Posse the waste water - By knowing how much water consumed By customers And pay the bills accordingly used of water. Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordability for piped water (Tk/month) Average household income/month (Tk) Affordability for piped water (Tk/month) Average household income/month (Tk) Affordability for piped water (Tk/month) Average household income/month (Tk) Affordability for piped water (Tk/month) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordability for piped water (Tk/month) Average household income/month (Tk) Affordability for piped water (Tk/month) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordability for piped water (Tk/month) Average household income/month (Tk) Affordability for piped water (Tk/month) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordability for piped water (Tk/month)	Residential area (km²)	9.0				Computerization		
Electricity coverage (%) Electricity availability (hrs) Summer Winter 8 Watts AN/Frequency of meeting Yes, 3 months 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons 1. Ves Water meter Reasons 1. Save the waste water By knowing how much water consumed By customers And pay the bills accordingly used of water. Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordability for piped water (Tk/month) As contaminated wells (Nos.) Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) As contaminated wells (Nos.) Arsenic contaminated water supply (%) Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordability for piped water (Tk/month) As contaminated method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Answeriate formed TLCC /Frequency of meeting WatrsAN/Frequency of meeting WatrsAN/Frequency of meeting Yes, 3 months None, , , 211 Arsenic contaminated wells (hos.) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piped Water Supply System Potential water sources Evaluation WQ problem Affordability for piped water (Tk/month)	Residential area pop. density (persons/ha)	54						
Summer Winter D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Summer WATSAN/Frequency of meeting Watrs AN/Frequency of meeting Yes, 3 months WATSAN/Frequency of meeting Yes, 3 months Main treatment method in domestic As contaminated wells (Nos.) 211 Arsenic contaminated water supply (%) 13 Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area water Supply System Potential Water Sources for Non-Piped Water Supply System Potential water sources Shallow well Arsenic, Iron for Shallow Moderate Arsenic, Iron for Shallow	Electricity coverage (%)	98.0				Committee formed		
D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Do not know Main treatment method in domestic As contaminated wells (Nos.) 211 Arsenic contaminated water supply (%) 13 Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area water 3. Potential Water Sources for Non-Piped Water Supply System Potential water sources Shallow well Moderate Arsenic, Iron for Shall	Electricity availability (hrs)					TLCC /Frequency of meeting	No	
D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) A Nain treatment method in domestic As contaminated wells (Nos.) Affordability (Nos.) Affordabili	Summer	8				WATSAN/Frequency of meeting	Yes, 3 mor	nths
1. Necessity of Piped Water Supply Necessity of Piped water Piped water Pes Water meter Reasons Psyconing how much water consumed By customers And pay the bills accordingly used of water. Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area water Supply System As contaminated wells (Nos.) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area water Supply System Potential Water Sources for Non-Piped Water Supply System Potential water sources Shallow well Arsenic, Iron for Shallow well None, , , 211 13 Do not know	Winter	16						
Necessity of Piped water Yes Water meter Reasons Psyconia water waste water By knowing how much water consumed By customers And pay the bills accordingly used of water. Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) As contaminated wells (Nos.) Arsenic contaminated water supply (%) 13 Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piped Water Supply System Potential water sources Shallow well Moderate Arsenic, Iron for Shall	D. Non-Piped Water Supply Area							
Piped water Water meter Reasons - Save the waste water - By knowing how much water consumed By customers And pay the bills accordingly used of water. Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area **Total Water Sources for Non-Piped** **Total Water Supply System** **Potential Water sources** Shallow well** **Total Water Supply System** **Total	1. Necessity of Piped Water Supply					Main treatment method in domestic	None, , ,	
Water meter Reasons - Save the waste water - By knowing how much water consumed By customers And pay the bills accordingly used of water. Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordability for piped water (Tk/month) Yes - Save the waste water - By knowing how much water consumed By customers And pay the bills accordingly used of water. Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area wells, In the dry season not sufficient wat produced 3. Potential Water Sources for Non-Piped Water Supply System Potential water sources Shallow well Moderate Arsenic, Iron for Shall	Necessity of					As contaminated wells (Nos.)	211	
Reasons - Save the waste water - By knowing how much water consumed By customers And pay the bills accordingly used of water. Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) - Save the waste water - By knowing how much water consumed By customers And pay the bills accordingly used of water. - By knowing how much water consumed By customers And pay the bills accordingly used of water. - By knowing how much water consumed By customers And pay the bills accordingly used of water. - By knowing how much water consumed By customers And pay the bills accordingly used of water. - By knowing how much water consumed By customers And pay the bills accordingly used of water. - By knowing how much water consumed By customers And pay the bills accordingly used of water. - By knowing how much water consumed By customers And pay the bills accordingly used of water. - By knowing how much water consumed By customers And pay the bills accordingly used of water. - By knowing how much water consumed By customers And pay the bills accordingly used of water. - By knowing how much water consumed By customers And pay the bills accordingly used of water. - By knowing how much water consumed By customers And pay the bills accordingly used of water. - By knowing how much water consumed By customers And pay the bills accordingly used of water. - By knowing how much water consumed By customers And pay the bills accordingly used of water. - By knowing how much water consumed By customers And pay the bills accordingly used of water. - By knowing how much water consumed By customers And pay the bills accordingly used of water. - By knowing how much water consumed By customers And pay the bills accordingly used of water. - By knowing how much water supply area water supply are	Piped water	Yes				Arsenic contaminated water supply (%)	13	
- By knowing how much water consumed By customers And pay the bills accordingly used of water. Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) - By knowing how much water consumed By customers And pay the bills accordingly used of water. - Problems in non-piped water supply area wells, in the dry season not sufficient wat produced 3. Potential Water Sources for Non-Piped Water Supply System - Potential water sources - By knowing how much water consumed By customers And pay the bills accordingly used of water. - Problems in non-piped water supply area wells, in the dry season not sufficient wat produced - Potential Water Sources for Non-Piped Water Supply System - Potential water sources - By knowing how much water consumed By customers And pay the bills accordingly used of water. - By knowing how much water consumed By customers And pay the bills accordingly used of water. - By knowing how much water consumed By customers And pay the bills accordingly used of water. - By knowing how much water consumed By customers And pay the bills accordingly used of water. - By knowing how much water consumed By customers And pay the bills accordingly used of water. - By knowing how much water consumed By customers And pay the bills accordingly used of water. - By knowing how much water supply area with the Shallow wells.	Water meter	Yes				Unhygienic drinking water (%)	Do not kno	w
Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month)	ricusoris					% of people using neighbor's well for drinking	12	
Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month)						Problems in non-piped water supply area		
Average household income/month (Tk) Affordability for piped water (Tk/month) Do not know Potential water sources Shallow well Moderate Arsenic, Iron for Shallow			pay the bills det	cordingly asca				season not sufficient water
Affordability for piped water (Tk/month) Do not know Shallow well Moderate Arsenic, Iron for Shall	Affordability (answered by pourashava staff)				3. F		d Water Su	
	Average household income/month (Tk)	10,000						
Affordable price in total household income (%) Do not know	, , , , , ,	Do not know	W			Shallow well	Moderate	Arsenic, Iron for Shallow well
De not know		Do not know				Deep well	-	-
2. Exiting Water Sources in Non-Piped Water Supply Area Surface water sources	2. Exiting Water Sources in Non-Piped Wa	iter Supply	/ Area		,	Surface water sources	-	-
Source Nos. of source Drinking (%) Domestic (%) Other sources Yes -	Source						Yes	-
River 0 0 0 Decrease of ground water level				-		3		
Shallow well 4,500 100 98 Shallow well (m/year) Not known	0.10.10.11						Not known	
Deep well 0 0 0 Deep well (m/year) Not known			-			Deep well (m/year)	Not known	
Ponds 0 0 2								
Other sources 0 0 0	Other sources	0	0	0				

Kahaloo

A. Pourashava Profile							
Class	С				Sanitation coverage		
Division	Rajshahi				Latrine with septic tank (%)	9.0	
District	Bogra				Water sealed slab latrine (%)	81.0	
Year established	2002				Water-related diseases	, , , , Dyser	ntery,
Contact Tel/Fax	TI: 05026-5	6028					
E-mail					Technical staff (Nos.)	4	
Population (FY2010/2011)	23,039				Financial statements (2010/2011)	0	
Nos. of households (FY2010/2011)	3,145				Annual budget (Tk)	15,494,64	7
Literacy (%)	75.0				Revenue (Tk)	5,590,000	
Land area (km²)	6.8				Expenditure (Tk)	5,120,000	
Residential area (km²)	2.1				Computerization		dule and estimate
Residential area pop. density (persons/ha)	112					preparation, E budget prepar	ngineering, Yearly logical
Electricity coverage (%)	100.0				Committee formed		,,
Electricity availability (hrs)					TLCC /Frequency of meeting	Yes, 1 mor	nth
Summer	5				WATSAN/Frequency of meeting	No	
Winter	20						
D. Non-Piped Water Supply Area							
1. Necessity of Piped Water Supply					Main treatment method in domestic	None, , ,	
Necessity of					As contaminated wells (Nos.)	Not yet dor	ne any test
Piped water	Yes				Arsenic contaminated water supply (%)	0	
Water meter	Yes				Unhygienic drinking water (%)	3	
Reasons	- Analysis of	water consu	umption		% of people using neighbor's well for drinking	5	
		ter bill/colled			Problems in non-piped water supply area	Low discha	rge in dry season (WT is
	- Internal pr	oblem ident	ification			high),	
Affordability (answered by pourashava staff)				3. P	Potential Water Sources for Non-Pipe	<mark>d</mark> Water Տւ	upply System
Average household income/month (Tk)	6,000				Potential water sources	Evaluation	
Affordability for piped water (Tk/month)	100				Shallow well	Moderate	Little iron but acceptable limit
Affordable price in total household income (%)	1.67				Deep well	-	-
2. Exiting Water Sources in Non-Piped W	ater Suppl	y Area			Surface water sources	-	-
Source	Nos. of source	Drinking (%)	Domestic (%)		Other sources	No	-
River	0	0	0		Decrease of ground water level		
Shallow well	2,578	100	75		Shallow well (m/year)	1.0	
Deep well	0	0	0		Deep well (m/year)	Not known	
Ponds	20	0	25				
Other sources	0	0	0				

Kakanhat

Kakannat					VVI	tii Noii-Fipe	a water supply system
A. Pourashava Profile							
Class	В				Sanitation coverage		
Division	Rajshahi				Latrine with septic tank (%)	15.0	
District	Godagari				Water sealed slab latrine (%)	70.0	
Year established	2002				Water-related diseases	, Diarrhea,	, , Dysentery,
Contact Tel/Fax	Tel: 07234-5	51005, Fax: 0	7234-57052				
E-mail	kakonhatpo	ourashava@	yahoo.com		Technical staff (Nos.)	8	
Population (FY2010/2011)	18,515				Financial statements (2010/2011)	0	
Nos. of households (FY2010/2011)	3,318				Annual budget (Tk)	115,019,40	00
Literacy (%)	56.0				Revenue (Tk)	11,697,000)
Land area (km²)	20.0				Expenditure (Tk)	16,736,108	3
Residential area (km²)	4.0				Computerization		dule and estimate
Residential area pop. density (persons/ha)	46						ngineering, Yearly logical
Electricity coverage (%)	95.0	5.0			Committee formed	budget preparation, ,	
Electricity availability (hrs)					TLCC /Frequency of meeting	Yes, 3 mon	nths
Summer	10				WATSAN/Frequency of meeting	Yes, 6 mon	nths
Winter	20	20					
D. Non-Piped Water Supply Area							
1. Necessity of Piped Water Supply					Main treatment method in domestic	None, , ,	
Necessity of					As contaminated wells (Nos.)	None	
Piped water	Yes				Arsenic contaminated water supply (%)	0	
Water meter	Yes				Unhygienic drinking water (%)	0	
Reasons	- To save wa	iter as waste	water.		% of people using neighbor's well for drinking	50	
	- To calculat	e bill consun	ned water.		Problems in non-piped water supply area	Water level do	wn about 6 m, In sufficient
					quantity of Sha	allow tube well	
Affordability (answered by pourashava staff)			3. P	otential Water Sources for Non-Pipe	d Water Su	ipply System	
Average household income/month (Tk)	10,000				Potential water sources	Evaluation	WQ problems
Affordability for piped water (Tk/month)	(i) No idea, (ii) People	will pay according to g	ovt/Pourashava rate.		Shallow well	Moderate	N
Affordable price in total household income (%)	0.00				Deep well	High	N
2. Exiting Water Sources in Non-Piped W	ater Suppl	y Area			Surface water sources	-	-
Source	Nos. of source	Drinking (%)	Domestic (%)		Other sources	Yes	-
River	0	0	0		Decrease of ground water level		
Shallow well	517	90	70		Shallow well (m/year)	6.0	
Deep well	11	10	0		Deep well (m/year)	Not known	
Ponds	0	0	30				
Other sources	0	0	0				

Kalai

4 D (1)							
A. Pourashava Profile						_	
Class	С				Sanitation coverage		
Division	Rajshahi				Latrine with septic tank (%)	30.0	
District	Joypurhat				Water sealed slab latrine (%)	48.0	
Year established	2001 (21 Ja	nuary)			Water-related diseases	, , , , Dysentery,	
Contact Tel/Fax	Tel: 05725-	56049					
E-mail	mosta.hasa	ın@gmail.c	om		Technical staff (Nos.)	4	
Population (FY2010/2011)	21,563				Financial statements (2010/2011)	0	
Nos. of households (FY2010/2011)	4,131				Annual budget (Tk)	26,057,563	
Literacy (%)	83.0				Revenue (Tk)	5,615,035	
Land area (km²)	12.9				Expenditure (Tk)	5,611,005	
Residential area (km²)	5.8				Computerization		ment, Accounting, Trade nent, Rate schedule and
Residential area pop. density (persons/ha)	37						n, Engineering, Yearly logical
Electricity coverage (%)	100.0				Committee formed		
Electricity availability (hrs)					TLCC /Frequency of meeting	Yes, 3 months	
Summer	7				WATSAN/Frequency of meeting	Yes, 3 months	
Winter	16						
D. Non-Piped Water Supply Area							
1. Necessity of Piped Water Supply					Main treatment method in domestic	None, , ,	
Necessity of					As contaminated wells (Nos.)	None	
Piped water	Yes				Arsenic contaminated water supply (%)	0	
Water meter	Yes				Unhygienic drinking water (%)	3	
Reasons		roper use of wa			% of people using neighbor's well for drinking	10	
	To estimate wa	y of water used ter not billed. (i			Problems in non-piped water supply area	Iron on shallow well (ir Problem of low water t	some portion of Pourashava),
	etc.						
Affordability (answered by pourashava staff)				3. P	otential Water Sources for Non-Pipe	<mark>d</mark> Water Suppl	y System
Average household income/month (Tk)	12,000				Potential water sources	<u>Evaluation</u>	WQ problems
, , , , , , , , , , , , , , , , , , , ,	250				Shallow well	High	Less iron
Affordable price in total household income (%)	2.08				Deep well	-	-
2. Exiting Water Sources in Non-Piped Wa	ater Supply	y Area		,	Surface water sources	None	Turbidity high
Source	Nos. of source	Drinking (%)	Domestic (%)		Other sources	No	-
River	1	0	0		Decrease of ground water level		
Shallow well	2,300	100	80		Shallow well (m/year)	0.3	
Deep well	0	0	0		Deep well (m/year)	Not known	
Ponds	150	0	20				
Other sources	0	0	0				

Kalaroa With Non-Piped Water Supply System

7, (ilaroa						with Hon Tip	ed water Supply System
A.	Pourashava Profile							
	Class	Α				Sanitation coverage		
	Division	Khulna				Latrine with septic tank (%)	25.0	
	District	Satkhira				Water sealed slab latrine (%)	45.0	
	Year established	1990				Water-related diseases	Arsenicosis, Diarr	hea, Cholera, , Dysentery,
	Contact Tel/Fax	Tel: 04724-7	75512, Fax: 0	4724-75513				
	E-mail	kalpou@ya	hoo.com			Technical staff (Nos.)	3	
	Population (FY2010/2011)	31,620				Financial statements (2010/2011)	0	
	Nos. of households (FY2010/2011)	7,688				Annual budget (Tk)	24,081,088	
	Literacy (%)	60.0				Revenue (Tk)	8,224,000	
	Land area (km²)	15.1				Expenditure (Tk)	6,598,500	
	Residential area (km²)	5.3				Computerization	, , , , Rate schedule a	and estimate preparation, ,
	Residential area pop. density (persons/ha)	60				·	Yearly logical budge	
	Electricity coverage (%)	70.0				Committee formed		
	Electricity availability (hrs)					TLCC /Frequency of meeting	No	
	Summer	16				WATSAN/Frequency of meeting	Yes, When req	uired
	Winter	20						
D.	Non-Piped Water Supply Area							
_	lecessity of Piped Water Supply					Main treatment method in domestic	, Boiling, , Filtrat	tion
	Necessity of					As contaminated wells (Nos.)	4,000	
	Piped water	Yes				Arsenic contaminated water supply (%)	Survey was not	done
	Water meter	No				Unhygienic drinking water (%)	Survey was not	done
	Reasons	They don't	have idea.			% of people using neighbor's well for drinking	40	
		·				Problems in non-piped water supply area	There is no wate	er supply system in
							Pourashava,	
	Affordability (answered by pourashava staff)				3. P	Potential Water Sources for Non-Pipe	Water Suppl	y System
	Average household income/month (Tk)	5,000				Potential water sources	<u>Evaluation</u>	WQ problems
	, , , , ,	150				Shallow well	None	Arsenic & Iron
	Affordable price in total household income (%)	3.00				Deep well	Moderate	Arsenic, Iron & Chloride
2. E	xiting Water Sources in Non-Piped W	ater Suppl	y Area		,	Surface water sources	-	-
	Source	Nos. of source	Drinking (%)	Domestic (%)		Other sources	No	-
	River	1	0	3		Decrease of ground water level		
	Shallow well	4,750	96	67		Shallow well (m/year)	0.2	
	Deep well	6	4	0		Deep well (m/year)	0.2	
	Ponds	120	0	30				
	Other sources	2	1	0				

Kaliakoir

A. Pourashava Profile							
Class	В				Sanitation coverage		
Division	Dhaka				Latrine with septic tank (%)	20.0	
District	Gazipur				Water sealed slab latrine (%)	70.0	
Year established	2001				Water-related diseases		phoid, Dysentery,
Contact Tel/Fax	068225190	A: 0171352	8034			, =, , . ,	p, = / , ,
E-mail		.,			Technical staff (Nos.)	9	
Population (FY2010/2011)	680.000				Financial statements (2010/2011)	0	
Nos. of households (FY2010/2011)	8,153				Annual budget (Tk)	64,574,000	
Literacy (%)	90.0				Revenue (Tk)	48,419,000	
Land area (km²)	24.7				Expenditure (Tk)	11,757,000	
Residential area (km²)	8.0				Computerization	Holding tax manage	ment, , Trade license, , Rate
Residential area pop. density (persons/ha)	850				- Compare Lacion		te preparation, Engineering,
Electricity coverage (%)	90.0				Committee formed	Yearly logical budge	t preparation, ,
Electricity availability (hrs)	30.0				TLCC /Frequency of meeting	Yes, 1 month	
Summer	12				WATSAN/Frequency of meeting	Yes, 1 month	
Winter	16					,	
D. Non-Piped Water Supply Area							
1. Necessity of Piped Water Supply					Main treatment method in domestic	, Boiling, , Filtra	tion
Necessity of					As contaminated wells (Nos.)	0	
Piped water	Yes				Arsenic contaminated water supply (%)	0	
Water meter	Yes				Unhygienic drinking water (%)	0	
Reasons	It should be n	netered becau	ise of		% of people using neighbor's well for drinking	45	
			rrect revenue		Problems in non-piped water supply area	Iron, Declination	n of GWL.
	collection. Als	so wastage wi	ll be reduce.				
Affordability (answered by pourashava staff)	hava staff)			3. F	Potential Water Sources for Non-Pipe	d Water Suppl	y System
Average household income/month (Tk)	8,000				Potential water sources	Evaluation	WQ problems
Affordability for piped water (Tk/month)	200				Shallow well	High	Iron
Affordable price in total household income (%)	2.50				Deep well	High	Iron
2. Exiting Water Sources in Non-Piped W	ater Suppl	y Area			Surface water sources	Moderate	Industrial waste
Source	Nos. of source	Drinking (%)	Domestic (%)		Other sources	No	-
River	0	0	0		Decrease of ground water level		
Shallow well	5,000	30	70		Shallow well (m/year)	0.8	
Deep well	1,000	70	25		Deep well (m/year)	0.8	
Ponds	50	0	5				
Other sources	0	0	0				

Kaliganj

A. I	Pourashava Profile							
	Class	С				Sanitation coverage		
	Division	Dhaka				Latrine with septic tank (%)	10.0	
	District	Gazipur				Water sealed slab latrine (%)	75.0	
	Year established	2010				Water-related diseases	, Diarrhea, , Ty	phoid, ,
	Contact Tel/Fax	06823-522	00, 06825-2	199				
	E-mail					Technical staff (Nos.)	3	
	Population (FY2010/2011)	54,926				Financial statements (2010/2011)	0	
	Nos. of households (FY2010/2011)	8,927				Annual budget (Tk)	20,037,000	
	Literacy (%)	55.0				Revenue (Tk)	7,407,000	
	Land area (km²)	20.2				Expenditure (Tk)	5,071,000	
	Residential area (km²)	12.1				Computerization		y payment, Rate schedule and
	Residential area pop. density (persons/ha)	45					budget preparation	n, Engineering, Yearly logical Procurement
	Electricity coverage (%)	100.0				Committee formed	and the special section of	, ,
	Electricity availability (hrs)					TLCC /Frequency of meeting	No	
	Summer	12				WATSAN/Frequency of meeting	No	
	Winter	14						
D. I	Non-Piped Water Supply Area							
1. N	lecessity of Piped Water Supply					Main treatment method in domestic	None, , ,	
	Necessity of					As contaminated wells (Nos.)	0	
	Piped water	Yes				Arsenic contaminated water supply (%)	0	
	Water meter	No				Unhygienic drinking water (%)	0	
	Reasons					% of people using neighbor's well for drinking	50	
						Problems in non-piped water supply area	Iron, Ground wa	ater level decliniation
	Affordability (answered by pourashava staff)				3. F	Potential Water Sources for Non-Pipe	<mark>d</mark> Water Suppl	y System
	Average household income/month (Tk)	8,000				Potential water sources	<u>Evaluation</u>	WQ problems
		200				Shallow well	None	Arsenic
	Affordable price in total household income (%)	2.50				Deep well	Moderate	Iron, Saline
2. E	xiting Water Sources in Non-Piped Water Sources	ater Suppl	y Area			Surface water sources	High	Do not know
	Source	Nos. of source	Drinking (%)	Domestic (%)		Other sources	No	-
	River	1	0	5		Decrease of ground water level		
	Shallow well	2,000	98	85		Shallow well (m/year)	0.8	
	Deep well	15	2	0		Deep well (m/year)	Not known	
	Ponds	9	0	15				
	Other sources	0	0	0				

Kalihati

A. Pourashava Profile									
Class	В				Sanitation coverage				
Division	Dhaka	Dhaka			Latrine with septic tank (%)	20.0			
District	Tangail				Water sealed slab latrine (%)	40.0			
Year established	1998	1998			Water-related diseases	Arsenicosis, Dia	arrhea, , , ,		
Contact Tel/Fax	0922-7741	2-774174; 01718571026							
E-mail					Technical staff (Nos.)	6			
Population (FY2010/2011)	35,566	66			Financial statements (2010/2011)	0			
Nos. of households (FY2010/2011)	6,605				Annual budget (Tk)	24,275,470			
Literacy (%)	70.0	0			Revenue (Tk)	9,400,470			
Land area (km²)	13.0				Expenditure (Tk)	9,327,970			
Residential area (km²)	5.9				Computerization		ment, Accounting, Trade		
Residential area pop. density (persons/ha)	61						ent, Rate schedule and n, Engineering, Yearly logical		
Electricity coverage (%)	100.0				Committee formed		,, =aa,,a		
Electricity availability (hrs)					TLCC /Frequency of meeting	Yes, 1 month			
Summer	12				WATSAN/Frequency of meeting	No			
Winter	15								
D. Non-Piped Water Supply Area									
1. Necessity of Piped Water Supply					Main treatment method in domestic	None, , ,			
Necessity of					As contaminated wells (Nos.)	150			
Piped water	Yes				Arsenic contaminated water supply (%)	6			
Water meter	Yes				Unhygienic drinking water (%)	25			
Reasons	- To reduce	· To save water.			% of people using neighbor's well for drinking	15			
	water.			water. Problems in non-piped water supply area Ar				Arsenic , Iron and bacteria in ground	
	- To save wa			- To save water.				water	
Affordability (answered by pourashava staff)				3. P	Potential Water Sources for Non-Pipe	<mark>d</mark> Water Suppl	y System		
Average household income/month (Tk)	Affordability for piped water (Tk/month) 100				Potential water sources	<u>Evaluation</u>	WQ problems		
Affordability for piped water (Tk/month)					Shallow well	None	Iron,Arsenic		
Affordable price in total household income (%)	1.42				Deep well	High	No problem		
2. Exiting Water Sources in Non-Piped W	ater Suppl				Surface water sources	-	-		
Source	Nos. of source	Drinking (%)	Domestic (%)		Other sources	No	-		
River	0	0	0		Decrease of ground water level				
Shallow well	2,500	98	80		Shallow well (m/year)	0.0			
Deep well	5	2	5		Deep well (m/year)	0.0			
Ponds	100	0	10						
Other sources	her sources 1 0 5		5						

Kamalganj

Nu	maiganj						
A. P	ourashava Profile						
C	Class	С			Sanitation coverage		
0	Division	Sylhet			Latrine with septic tank (%)	3.0	
0	District	Moulavibaz	zar		Water sealed slab latrine (%)	66.0	
Y	'ear established	1999			Water-related diseases	, Diarrhea, , , D	ysentery,
C	Contact Tel/Fax	017151412	30				
	E-mail	kamalgonjp	ourashava@	yahoo.com	Technical staff (Nos.)	1	
Р	Population (FY2010/2011)	18,120			Financial statements (2010/2011)	0	
N	Nos. of households (FY2010/2011)	2,685			Annual budget (Tk)	51,960,396	
L	iteracy (%)	60.0			Revenue (Tk)	3,720,144	
L	and area (km²)	9.8			Expenditure (Tk)	3,492,396	
	Residential area (km²)	4.4			Computerization		ment, , Trade license, , Rate
	Residential area pop. density (persons/ha)	41					te preparation, Engineering, preparation, Procurement,
E	Electricity coverage (%)	80.0			Committee formed	,	,
E	Electricity availability (hrs)				TLCC /Frequency of meeting	Yes, 3 months	
	Summer	18			WATSAN/Frequency of meeting	No	
	Winter	20					
D. N	Ion-Piped Water Supply Area						
1. Ne	ecessity of Piped Water Supply				Main treatment method in domestic	, Boiling, , Filtrat	ion
Ν	Necessity of				As contaminated wells (Nos.)	2	
	Piped water	Yes			Arsenic contaminated water supply (%)	1	
	Water meter	Yes			Unhygienic drinking water (%)	0	
	Reasons	They will pa	y as per bill 8	& amont of	% of people using neighbor's well for drinking	10	
		non revenue	e water will a	lso	Problems in non-piped water supply area	Ground water co	ontains high conc. Fe &
		decrease.				As.,	
Α	Affordability (answered by pourashava staff)				3. Potential Water Sources for Non-Piped	Water Suppl	y System
	Average household income/month (Tk)	15,000			Potential water sources	<u>Evaluation</u>	WQ problems
	, , , , , , , ,	250			Shallow well	None	Fe & As (more)
	Affordable price in total household income (%)	1.67			Deep well	High	Fe (less)
2. Ex	iting Water Sources in Non-Piped W	ater Supply	y Area		Surface water sources	Moderate	Less polluted
	Source	Nos. of source	Drinking (%)	Domestic (%)	Other sources	No	-
	River	1	10	70	Decrease of ground water level		
	Shallow well	900	85	29	Shallow well (m/year)	0.1	
	Deep well	1	5	1	Deep well (m/year)	0.1	
	Ponds	100	0	0			
	Other sources	0	0	0			

Kanaighat

A.	Pourashava Profile							
	Class	С				Sanitation coverage		
	Division	Shylhet				Latrine with septic tank (%)	80.0	
	District	Shylhet				Water sealed slab latrine (%)	10.0	
	Year established	25/10/200	5			Water-related diseases	Arsenicosis	, Diarrhea, , , Dysentery,
	Contact Tel/Fax	08233-561	59					
	E-mail					Technical staff (Nos.)	2	
	Population (FY2010/2011)	20,578				Financial statements (2010/2011)	0	
	Nos. of households (FY2010/2011)	4,600				Annual budget (Tk)	10,235,00	0
	Literacy (%)	45.0				Revenue (Tk)	947,010	
	Land area (km²)	18.9				Expenditure (Tk)	1,713,269	
	Residential area (km²)	5.7				Computerization		
	Residential area pop. density (persons/ha)	36					,,,,,,,,	
	Electricity coverage (%)	80.0				Committee formed		
	Electricity availability (hrs)					TLCC /Frequency of meeting	No	
	Summer	18				WATSAN/Frequency of meeting	No	
	Winter	20						
D.	Non-Piped Water Supply Area							
1.	Necessity of Piped Water Supply					Main treatment method in domestic	None, , ,	
	Necessity of					As contaminated wells (Nos.)	120	
	Piped water	Yes				Arsenic contaminated water supply (%)	50	
	Water meter	No				Unhygienic drinking water (%)	50	
	Reasons		Mayors, other			% of people using neighbor's well for drinking	90	
			ariff rate. They a rats according t			Problems in non-piped water supply area		mination in STWs are high, Low
		apply nat tarm	rato accoranig t	o didiffecers.			water level in	STWs, going down every year.
	Affordability (answered by pourashava staff)				3. F	Potential Water Sources for Non-Piper	d Water Su	ipply System
	Average household income/month (Tk)	8,000				Potential water sources	Evaluation	
	Affordability for piped water (Tk/month)	400				Shallow well	Moderate	Arsenic/Iron
	Affordable price in total household income (%)	5.00				Deep well	High	Iron contamination, a bit high
2.	Exiting Water Sources in Non-Piped W	ater Suppl	y Area	ı	1	Surface water sources	Moderate	Turbidity high, muddy water, but no industrial waste.
	Source	Nos. of source		Domestic (%)		Other sources	Yes	-
	River	1	0	20		Decrease of ground water level		
	Shallow well	150	70	20		Shallow well (m/year)	0.5	
	Deep well	15	15	20		Deep well (m/year)	Not known	
	Ponds	50						
	Other sources	50	10	20				

Kanchan

Kuliciuli						iii ivoii i ipc	u water supply system
A. Pourashava Profile							
Class	С				Sanitation coverage		
Division	Dhaka				Latrine with septic tank (%)	40.0	
District	Narayangai	nj			Water sealed slab latrine (%)	60.0	
Year established	2002				Water-related diseases	, Diarrhea, Cho	lera, Typhoid, Dysentery, Jondis
Contact Tel/Fax	02-9343483	3,02-934348	86				
E-mail	kanchanpo	urashava@	gmail.com		Technical staff (Nos.)	4	
Population (FY2010/2011)	70,000		-		Financial statements (2010/2011)	0	
Nos. of households (FY2010/2011)	8,896				Annual budget (Tk)	136,950,00	00
Literacy (%)	60.0				Revenue (Tk)	37,450,000)
Land area (km²)	23.1				Expenditure (Tk)	36,915,000)
	9.2				Computerization		anagement, Accounting, Trade
` '	76						payment, Rate schedule and aration, Engineering, Yearly
Electricity coverage (%)	100.0				Committee formed	estimate prepi	aration, Engineering, rearry
Electricity availability (hrs)					TLCC /Frequency of meeting	Yes, 3 mor	nths
	18				WATSAN/Frequency of meeting	No	
Winter	22			, , ,			
D. Non-Piped Water Supply Area							
1. Necessity of Piped Water Supply				Main treatment method in domestic	, Boiling, , F	iltration	
Necessity of					As contaminated wells (Nos.)	0	
•	Yes				Arsenic contaminated water supply (%)	0	
Water meter	Yes				Unhygienic drinking water (%)	0	
	- To save water and				% of people using neighbor's well for drinking	10	
	non-revenue water (- By knowing how m				Problems in non-piped water supply area		ound Water Level,water contain
	water delivered to customers we will know the amount of non-revenue water. It will help us to improve the efficiency				high amont oh Ir	on (Fe), River water pollution	
Affordability (answered by pourashava staff)	1 1		3. F	Potential Water Sources for Non-Pipe	Water Su	ipply System	
Average household income/month (Tk)	12,000				Potential water sources	Evaluation	WQ problems
, , , , , , , , , , , , , , , , , , , ,	200			Shallow well	None	None	
Affordable price in total household income (%)	2.00				Deep well	Do not know	Do not know
2. Exiting Water Sources in Non-Piped Wa				Surface water sources	Moderate	Industrial waste	
Source	Nos. of source	Drinking (%)	Domestic (%)		Other sources	No	-
River	0	0	0		Decrease of ground water level		
Shallow well	8,000	100	70		Shallow well (m/year)	3.0	
Deep well	0	0	0		Deep well (m/year)	Not known	
Ponds	50	0	30				
Other sources	0	0	0				

Karimganj

A. Pourashava Profile								
Class	С			Sanitation coverage				
Division	Dhaka				Latrine with septic tank (%)	15.0		
District	Kishorganj				Water sealed slab latrine (%)	33.0		
Year established	2003				Water-related diseases	, Diarrhea,	, , ,	
Contact Tel/Fax	0942-7561	36						
E-mail					Technical staff (Nos.)	3		
Population (FY2010/2011)	30,211				Financial statements (2010/2011)	0		
Nos. of households (FY2010/2011)	4,189				Annual budget (Tk)	46,687,213	1	
Literacy (%)	75.0	·			Revenue (Tk)	10,587,213	1	
Land area (km²)	7.9	7.9			Expenditure (Tk)	10,587,213	1	
Residential area (km²)	2.0				Computerization		ement, Accounting, Trade license, Salary edule and estimate preparation,	
Residential area pop. density (persons/ha)	154				·		logical budget preparation,	
Electricity coverage (%)	30.0				Committee formed	Procurement.		
Electricity availability (hrs)					TLCC /Frequency of meeting	No		
Summer	8				WATSAN/Frequency of meeting	No		
Winter	10							
D. Non-Piped Water Supply Area								
1. Necessity of Piped Water Supply					Main treatment method in domestic	None, , ,		
Necessity of					As contaminated wells (Nos.)	Do not kno	W	
Piped water	Yes				Arsenic contaminated water supply (%)	Do not kno	W	
Water meter	Yes				Unhygienic drinking water (%)	0		
Reasons	To reduce was	tage and To fix	x exact tariff		% of people using neighbor's well for drinking	12		
	rate.				Problems in non-piped water supply area	Water cont	ains Iron,	
	They will pay f	or getting wat	er supply					
Affordability (answered by pourashava staff)	I at IIII V			3. F	Potential Water Sources for Non-Piped	Water Su	ipply System	
Average household income/month (Tk)	12,000				Potential water sources	Evaluation	WQ problems	
Affordability for piped water (Tk/month)	100				Shallow well	Moderate	Iron	
Affordable price in total household income (%)	0.84				Deep well	High	No problem	
2. Exiting Water Sources in Non-Piped W	ater Supply Area				Surface water sources	Moderate	Drainage wastage	
Source	Nos. of source Drinking (%) Domestic (%)				Other sources	No	-	
River	1 0 10			Decrease of ground water level				
Shallow well	600 80 70			Shallow well (m/year)	4.5			
Deep well	80 20 10				Deep well (m/year)	4.5		
Ponds	25 0 10							
Other sources	0	0	0					
		_	_					

Kasba

KUSDU							a water supply system
A. Pourashava Profile							
Class	С				Sanitation coverage		
Division	Chittagong				Latrine with septic tank (%)	23.0	
District	Brahmanba	aria			Water sealed slab latrine (%)	63.0	
Year established	2000				Water-related diseases	Arsenicosis, Diarrhea,	Cholera, Typhoid, Dysentery, Y (Iron problem)
Contact Tel/Fax	852473092						
E-mail					Technical staff (Nos.)	2	
Population (FY2010/2011)	55,000				Financial statements (2010/2011)	0	
Nos. of households (FY2010/2011)	8,744				Annual budget (Tk)	79,605,550)
Literacy (%)	70.0				Revenue (Tk)	11,862,475	5
Land area (km²)	16.2				Expenditure (Tk)	11,002,309	9
Residential area (km²)	7.3				Computerization	Rate sche	dule and estimate
Residential area pop. density (persons/ha)	75				•		ngineering, , Procurement,
Electricity coverage (%)	90.0				Committee formed		
Electricity availability (hrs)					TLCC /Frequency of meeting	No	
Summer	15				WATSAN/Frequency of meeting	No	
Winter	20			, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
D. Non-Piped Water Supply Area							
1. Necessity of Piped Water Supply					Main treatment method in domestic	None, , ,	
Necessity of					As contaminated wells (Nos.)	N/A	
Piped water	Yes				Arsenic contaminated water supply (%)	N/A	
Water meter	Yes				Unhygienic drinking water (%)	N/A	
Reasons	Wastage of	water Provi	ding reading		% of people using neighbor's well for drinking	5	
Reasons	system to th				Problems in non-piped water supply area		l problem, Human
	,				robiens main pipes water supply area	Waste	, problem, maman
Affordability (answered by pourashava staff)				3. F	Potential Water Sources for Non-Piped	Water Su	ipply System
Average household income/month (Tk)	10,000				Potential water sources	Evaluation	
Affordability for piped water (Tk/month)	200				Shallow well	Moderate	Negligible Iron
Affordable price in total household income (%)	2.00				Deep well	Moderate	-
2. Exiting Water Sources in Non-Piped W	ater Supply	v Area			Surface water sources	None	Unhygenic
Source	Nos. of source	Drinking (%)	Domestic (%)		Other sources	Yes	-
River	1	0	10		Decrease of ground water level		
Shallow well	410	60	30		Shallow well (m/year)	Not known	
Deep well	80	40	20		Deep well (m/year)	Not known	
Ponds	120	0	40				
Other sources	12	0	0				
	'						

Katakhali

A. Pourashava Profile								
Class	С				Sanitation coverage			
Division	Rajshahi				Latrine with septic tank (%)	35.0		
District	Rajshahi				Water sealed slab latrine (%)	45.0		
Year established	2002				Water-related diseases	, Diarrhea,	, , Dysentery,	
Contact Tel/Fax	Tel: 0721-7	50466				,,,, , ,,		
E-mail	katakhalipo	urashava@	gmail.com		Technical staff (Nos.)	3		
Population (FY2010/2011)	35,254				Financial statements (2010/2011)	0		
Nos. of households (FY2010/2011)	5,245				Annual budget (Tk)	3,015,041		
Literacy (%)	77.0				Revenue (Tk)	1,815,041		
Land area (km²)	24.5				Expenditure (Tk)	3,486,925		
Residential area (km²)	14.7				Computerization		Salary payment, Rate	
Residential area pop. density (persons/ha)	24					Engineering, , ,	stimate preparation,	
Electricity coverage (%)	100.0				Committee formed			
Electricity availability (hrs)					TLCC /Frequency of meeting	Yes, 6 mon	ths	
Summer	18				WATSAN/Frequency of meeting	Yes, 3 mon	ths	
Winter	24							
D. Non-Piped Water Supply Area								
1. Necessity of Piped Water Supply					Main treatment method in domestic	None, , ,		
Necessity of					As contaminated wells (Nos.)	No data		
Piped water	Yes				Arsenic contaminated water supply (%)	Do not know	V	
Water meter	Yes				Unhygienic drinking water (%)	Do not know	V	
Reasons	To save waste v				% of people using neighbor's well for drinking	30		
	preparation of t household.	their consumed	water by		Problems in non-piped water supply area	Arsenic, Iro	า	
Affordability (answered by pourashava staff)				3. P	otential Water Sources for Non-Piped	1	• • • • • • • • • • • • • • • • • • • •	
Average household income/month (Tk)	10,000				Potential water sources	<u>Evaluation</u>	WQ problems	
Affordability for piped water (Tk/month)	. ,	(ii) People	will pay acco	ordii	Shallow well	Moderate	Arsenic, Iron	
Affordable price in total household income (%)	0.00				Deep well	-	-	
2. Exiting Water Sources in Non-Piped W					Surface water sources	Ü	No problem	
Source	Nos. of source Drinking (%) Domestic (%)				Other sources	Yes	-	
River	1 0 20				Decrease of ground water level			
Shallow well	2,780 100 77				Shallow well (m/year)	2.0		
Deep well	0 0 0				Deep well (m/year)	Not known		
Ponds	0 0 3							
Other sources	0	0	0					

Kazipur

Kazipai						· .	,
A. Pourashava Profile							
Class	С				Sanitation coverage		
Division	Rajshahi				Latrine with septic tank (%)	9.0	
District	Sirajgonj				Water sealed slab latrine (%)	79.0	
Year established	2000			Water-related diseases	Arsenicosis, Di	arrhea, , Typhoid, Dysentery,	
Contact Tel/Fax	Tel & Fax :	07525-5620)5				
E-mail	rafigul 07is	slam@vaho	o.com		Technical staff (Nos.)	3	
Population (FY2010/2011)	17,502				Financial statements (2010/2011)	0	
Nos. of households (FY2010/2011)	3,202				Annual budget (Tk)	136,046,9	71
Literacy (%)	68.0				Revenue (Tk)	8,877,622	
Land area (km²)	7.3				Expenditure (Tk)	5,027,358	
Residential area (km²)	4.4				Computerization	, , , , Rate sche	dule and estimate
Residential area pop. density (persons/ha)	40				oopater.ization		Yearly logical budget
Electricity coverage (%)	95.0				Committee formed	preparation, P	rocurement,
Electricity availability (hrs)	33.0				TLCC /Frequency of meeting	Yes, 6 mor	iths
Summer	12	12			WATSAN/Frequency of meeting	No	
Winter	20			The transfer of the carrie			
The state of the s							
D. Non-Piped Water Supply Area	1				Nain treatment mathed in domestic	None	
1. Necessity of Piped Water Supply					Main treatment method in domestic	None, , ,	
Necessity of	V				As contaminated wells (Nos.)		
Piped water	Yes				Arsenic contaminated water supply (%)	Do not kno	
Water meter	Yes				Unhygienic drinking water (%)	Do not kno	N
Reasons	(i) Customer		-		% of people using neighbor's well for drinking	30	contaminated by arsenic,
	use, (ii) To c				Problems in non-piped water supply area		vell are contaminated by iron
ACC LINE A CONTRACTOR	1033 1.6. 11011	rievenue wa		2 -	Data at a law at a constant from Name Pina	1 14/- 1 C.	
Affordability (answered by pourashava staff)	C 500			3. F	Potential Water Sources for Non-Pipe	1	· · · · · · · · · · · · · · · · · · ·
Average household income/month (Tk)	6,500				Potential water sources	Evaluation	
Affordability for piped water (Tk/month) Affordable price in total household income (%)	150				Shallow well	Moderate	Arsenic, Iron
	2.31	_			Deep well	-	-
2. Exiting Water Sources in Non-Piped W				1	Surface water sources	High	No problem
Source	Nos. of source	Drinking (%)	Domestic (%)		Other sources	No	-
River	0	0	0		Decrease of ground water level		
Shallow well	1,400	100	60		Shallow well (m/year)	Not known	
Deep well	0	0	0		Deep well (m/year)	Not known	
Ponds	40	0	40				
Other sources	0	0	0				

Kendua

A. Pourashava Profile								
Class	С				Sanitation coverage			
Division	Dhaka				Latrine with septic tank (%)	15.0		
District	Netrakona				Water sealed slab latrine (%)	20.0		
Year established	1998				Water-related diseases	, Diarrhea,	, , ,	
Contact Tel/Fax	09528 5605	57/ 01712 5	17030					
E-mail					Technical staff (Nos.)	4		
Population (FY2010/2011)	23,386				Financial statements (2010/2011)	0		
Nos. of households (FY2010/2011)	4,500				Annual budget (Tk)	33,053,697	7	
Literacy (%)	55.0				Revenue (Tk)	8,445,927		
Land area (km²)	13.3				Expenditure (Tk)	7,187,700		
Residential area (km²)	4.0				Computerization	Holding tax ma	inagement, , , , Rate schedule	
Residential area pop. density (persons/ha)	58				•		reparation, , , ,	
Electricity coverage (%)	70.0				Committee formed			
Electricity availability (hrs)					TLCC /Frequency of meeting	Yes, 4 mon	ths	
Summer	12				WATSAN/Frequency of meeting	No		
Winter	15							
D. Non-Piped Water Supply Area								
1. Necessity of Piped Water Supply					Main treatment method in domestic	None, , ,		
Necessity of					As contaminated wells (Nos.)	0		
Piped water	Yes				Arsenic contaminated water supply (%)	0		
Water meter	Yes				Unhygienic drinking water (%)	0		
Reasons	To reduce i	misuse of w	ater.		% of people using neighbor's well for drinking	15		
	Customer v	vill pay as p	er bill.		Problems in non-piped water supply area	Iron,		
Affordability (answered by pourashava staff)				3. F	Potential Water Sources for Non-Piped	Water Su	pply System	
Average household income/month (Tk)	8,000				Potential water sources	Evaluation	WQ problems	
Affordability for piped water (Tk/month)	200				Shallow well	Moderate	Iron	
Affordable price in total household income (%)	2.50				Deep well	High	No problem	
2. Exiting Water Sources in Non-Piped W	ater Supply	y Area			Surface water sources	High	No problem	
Source	Nos. of source	Drinking (%)	Domestic (%)		Other sources	No	-	
River	2	0	10		Decrease of ground water level			
Shallow well	1,850	100	80		Shallow well (m/year)	0.5		
Deep well	0 0 0				Deep well (m/year)	e <mark>p well (m/year)</mark> 0.5		
Ponds	120	0	0					
Other sources	0	0	10					

Keshobpur

7,0	зновриг								
Α. Ι	Pourashava Profile								
	Class	Α				Sanitation coverage			
	Division	Khulna				Latrine with septic tank (%)	40.0		
	District	Jessore				Water sealed slab latrine (%)	40.0		
	Year established	1998				Water-related diseases	, Diarrhea,	, , Dysentery,	
	Contact Tel/Fax	Tel: 04226-5	6256, Fax : 0	4226-56256					
	E-mail	kpourashav	a@gmail.c	om		Technical staff (Nos.)	4		
	Population (FY2010/2011)	25,876	_			Financial statements (2010/2011)	0		
	Nos. of households (FY2010/2011)	6,110				Annual budget (Tk)	43,260,000)	
	Literacy (%)	80.0				Revenue (Tk)	12,960,000)	
	Land area (km²)	No data				Expenditure (Tk)	12,714,000)	
	Residential area (km²)	No data				Computerization		dule and estimate	
	Residential area pop. density (persons/ha)	-					budget prepar	ngineering, Yearly logical	
	Electricity coverage (%)	70.0				Committee formed	baager prepar	acion, ,	
	Electricity availability (hrs)					TLCC /Frequency of meeting	No		
	Summer	8			WATSAN/Frequency of meeting	No			
	Winter	14							
D.	Non-Piped Water Supply Area								
	lecessity of Piped Water Supply					Main treatment method in domestic	None, , ,		
	Necessity of					As contaminated wells (Nos.)	729		
	Piped water	Yes				Arsenic contaminated water supply (%)	90 (Old dat	a sheets)	
	Water meter	Yes				Unhygienic drinking water (%)	Do not kno	w	
	Reasons	- For accuracy	of billing syst	tem		% of people using neighbor's well for drinking	90		
		- Calculate the	actual water			Problems in non-piped water supply area		ater supply, Too much arsenic	
		consumption.					contaminated	in Shallow tube well	
	Affordability (answered by pourashava staff)				3. F	Potential Water Sources for Non-Piped	Water Su		
	Average household income/month (Tk)	15,000				Potential water sources	Evaluation	WQ problems	
	Affordability for piped water (Tk/month)	Do not kno	W			Shallow well	None	Arsenic	
	Affordable price in total household income (%)	Do not kno	W			Deep well	High	-	
2. E	xiting Water Sources in Non-Piped W	ater Supply	/ Area			Surface water sources	None	N	
	Source	Nos. of source	Drinking (%)	Domestic (%)		Other sources	Yes	-	
	River	0	0	15		Decrease of ground water level			
	Shallow well	729	0	75		Shallow well (m/year)	2.0		
	Deep well	39	100	0		Deep well (m/year)	Not known		
	Ponds	0	0	10					
	Other sources	0	0	0					

Keshorehat

	01101011010							
A. F	Pourashava Profile							
	Class	В				Sanitation coverage		
	Division	Rajshahi				Latrine with septic tank (%)	15.0	
	District	Rajshahi				Water sealed slab latrine (%)	65.0	
	Year established	2002				Water-related diseases	, Diarrhea, , , D	ysentery,
	Contact Tel/Fax	Tel: 07226-	56056					, ,,
	E-mail	mayor-alo@	@vahoo.cor	m		Technical staff (Nos.)	6	
	Population (FY2010/2011)	20,142	- ,			Financial statements (2010/2011)	0	
	Nos. of households (FY2010/2011)	4,452				Annual budget (Tk)	21,615,028	
	Literacy (%)	65.0				Revenue (Tk)	10,484,392	
	Land area (km²)	15.9				Expenditure (Tk)	9,403,158	
	Residential area (km²)	6.8				Computerization	Rate schedule a	ind estimate preparation, ,
	Residential area pop. density (persons/ha)	30					Yearly logical budge	
	Electricity coverage (%)	100.0				Committee formed		
	Electricity availability (hrs)					TLCC /Frequency of meeting	Yes, 6 months	
	Summer	8				WATSAN/Frequency of meeting	No	
	Winter	18						
D I	Non-Piped Water Supply Area							
	ecessity of Piped Water Supply					Main treatment method in domestic	None, , ,	
	Necessity of					As contaminated wells (Nos.)	No data	
	Piped water	Yes				Arsenic contaminated water supply (%)	0	
	Water meter	Yes				Unhygienic drinking water (%)	0	
	Reasons	To save the	water and re	educe of		% of people using neighbor's well for drinking	45	
	Nedsons	NRW.	water and r	caace or		Problems in non-piped water supply area		el declining is (10-15) m
						Troblems in non-piped water supply area	down,	cr dccining is (10 15) iii
	Affordability (answered by pourashava staff)				3. P	Potential Water Sources for Non-Pipe		v System
	Average household income/month (Tk)	10,000			•	Potential water sources	Evaluation	WQ problems
	-	,	(ii) People	will pay acco	ordii		None	N
	Affordable price in total household income (%)	0.00	(,	,		Deep well	-	-
2. E	xiting Water Sources in Non-Piped W		y Area			Surface water sources	None	By human waste water
	Source	Nos. of source	Drinking (%)	Domestic (%)		Other sources	Yes	-
	River	1	0	5		Decrease of ground water level		
	Shallow well	2,400	90	90		Shallow well (m/year)	14.0	
	Deep well	0	8	0		Deep well (m/year)	Not known	
	Ponds	0	0	5				
	Other sources	26	2	0				

Khatlal

A. Pou	ırashava Profile							
Clas	S	С				Sanitation coverage		
Divi	sion	Rajshahi				Latrine with septic tank (%)	15.0	
Dist	rict	Joypurhat				Water sealed slab latrine (%)	55.0	
Year	r established	2010 (9th D	December)			Water-related diseases	, , , , Dysentery	/,
Con	tact Tel/Fax	Mob: 0171	6-038304					
	E-mail					Technical staff (Nos.)	2	
Pop	ulation (FY2010/2011)	25,572				Financial statements (2010/2011)	0	
Nos	. of households (FY2010/2011)	Not yet, 4,5	500 (approx	:)		Annual budget (Tk)	12,730,315	
Lite	racy (%)	75.0				Revenue (Tk)	2,730,315	
Land	d area (km²)	16.5				Expenditure (Tk)	0 (UNO-Upazil	a Nirbahi Officer was in
Re	esidential area (km²)	5.8				Computerization	Vande lasias	hd==+ ======+:==
Re	esidential area pop. density (persons/ha)	44					, , , , , , rearry logica	l budget preparation, ,
Elec	tricity coverage (%)	100.0				Committee formed		
Elec	tricity availability (hrs)					TLCC /Frequency of meeting	No	
	Summer	12				WATSAN/Frequency of meeting	No	
	Winter	20						
D. Nor	n-Piped Water Supply Area							
1. Nece	ssity of Piped Water Supply					Main treatment method in domestic	None, , ,	
Nec	essity of					As contaminated wells (Nos.)	No data	
Pi	iped water	Yes				Arsenic contaminated water supply (%)	No data	
W	/ater meter	No				Unhygienic drinking water (%)	No data	
	Reasons					% of people using neighbor's well for drinking	20	
						Problems in non-piped water supply area	More Iron, The	depth of hand pump is
							not sufficient	
	ordability (answered by pourashava staff)				3. F	Potential Water Sources for Non-Pipe	d Water Suppl	
	verage household income/month (Tk)	9,000				Potential water sources	<u>Evaluation</u>	WQ problems
	ffordability for piped water (Tk/month)	200				Shallow well	None	High Iron
	fordable price in total household income (%)	2.22				Deep well	-	-
2. Exitir	ng Water Sources in Non-Piped W				1	Surface water sources	None	No problem
	Source	Nos. of source	Drinking (%)	Domestic (%)		Other sources	Yes	-
	iver	1	0	0		Decrease of ground water level		
	hallow well	2,700	100	80		Shallow well (m/year)	0.3	
	eep well	0	0	0		Deep well (m/year)	Not known	
	onds	150	0	20				
0	ther sources	0	0	0				

A. Pourashava Profile							
Class	С				Sanitation coverage		
Division	Khulna				Latrine with septic tank (%)	31.0	
District	Kushtia				Water sealed slab latrine (%)	47.0	
Year established	2001				Water-related diseases	, Diarrhea,	, , Dysentery,
Contact Tel/Fax	Tel: 07024-5	6251, Fax : 0	7024-56251				
E-mail					Technical staff (Nos.)	5	
Population (FY2010/2011)	30,700				Financial statements (2010/2011)	0	
Nos. of households (FY2010/2011)	4,980				Annual budget (Tk)	47,575,90	7
Literacy (%)	70.0				Revenue (Tk)	11,016,200)
Land area (km²)	12.4				Expenditure (Tk)	7,983,241	
Residential area (km²)	3.7				Computerization		ement, Accounting, Trade license, Salary edule and estimate preparation,
Residential area pop. density (persons/ha)	83					Engineering, Yearly	logical budget preparation,
Electricity coverage (%)	80.0				Committee formed	Procurement.	
Electricity availability (hrs)					TLCC /Frequency of meeting	Yes, 3 mor	iths
Summer	10				WATSAN/Frequency of meeting	Yes, 6 mor	iths
Winter	14				, , , ,		
D. Non-Piped Water Supply Area							
1. Necessity of Piped Water Supply					Main treatment method in domestic	None, , ,	
Necessity of					As contaminated wells (Nos.)	0	
Piped water	Yes				Arsenic contaminated water supply (%)	Do not kno	N
Water meter	Yes				Unhygienic drinking water (%)	Do not kno	N
Reasons		oly system will be s			% of people using neighbor's well for drinking	40	
		d be installed wate ection for accuracy			Problems in non-piped water supply area	- Agriculture	insecticide
	actual revenue in	come.				- Contaminat	ion By wastage desposal,
Affordability (answered by pourashava staff)				3. F	Potential Water Sources for Non-Pipe	Water Su	pply System
Average household income/month (Tk)	10,000				Potential water sources	<u>Evaluation</u>	WQ problems
Affordability for piped water (Tk/month)	200				Shallow well	None	None
Affordable price in total household income (%)	Do not kno	W			Deep well	-	-
2. Exiting Water Sources in Non-Piped W	ater Suppl	y Area			Surface water sources	High (Contamination is treatable)	- Agriculture insecticide- Contamination by wastage desposal
Source	Nos. of source	Drinking (%)	Domestic (%)		Other sources	No	-
River	0	0	20		Decrease of ground water level		
Shallow well	550	100	65		Shallow well (m/year)	2.0	
Deep well	0	0	0		Deep well (m/year)	Not known	
Ponds	0	0	15				
Other sources	0	0	0				

Kuakata

Kuakata					Wi	th Non-Pipe	d Water Supply System
A. Pourashava Profile							
Class	С				Sanitation coverage		
Division	Barisal				Latrine with septic tank (%)	15.0	
District	Patuakhali				Water sealed slab latrine (%)	30.0	
Year established	2010				Water-related diseases	Arsenicosis	s, , Cholera, Typhoid, ,
Contact Tel/Fax	442856196						
E-mail					Technical staff (Nos.)	4	
Population (FY2010/2011)	50,127				Financial statements (2010/2011)	0	
Nos. of households (FY2010/2011)	under proc	ess			Annual budget (Tk)		
Literacy (%)	25.0				Revenue (Tk)		
Land area (km²)	4.3				Expenditure (Tk)		
Residential area (km²)	2.3				Computerization		ment, Rate schedule and
Residential area pop. density (persons/ha)	223					preparation, ,	aration, , Yearly logical budget
Electricity coverage (%)	20.0				Committee formed	p. op , ,	
Electricity availability (hrs)					TLCC /Frequency of meeting	No	
Summer	14				WATSAN/Frequency of meeting	No	
Winter	18						
D. Non-Piped Water Supply Area							
1. Necessity of Piped Water Supply					Main treatment method in domestic	None, , ,	
Necessity of					As contaminated wells (Nos.)	0	
Piped water	Yes				Arsenic contaminated water supply (%)	0	
Water meter	Yes				Unhygienic drinking water (%)	34	
Reasons	To save the	wastage of v	vater and to		% of people using neighbor's well for drinking	60	
	know the vo	lume of wat	er		Problems in non-piped water supply area	Polluted an	d Saline, Fe, Salinity
	consumed.						
Affordability (answered by pourashava staff)				3. P	Potential Water Sources for Non-Pipe	d Water Su	ipply System
Average household income/month (Tk)	7,000				Potential water sources	<u>Evaluation</u>	
Affordability for piped water (Tk/month)	200				Shallow well	Moderate	
Affordable price in total household income (%)	2.86				Deep well	Moderate	· · · · · · · · · · · · · · · · · · ·
2. Exiting Water Sources in Non-Piped W	ater Suppl				Surface water sources	Moderate	Polluted and Saline
Source	Nos. of source	Drinking (%)	Domestic (%)		Other sources	Yes	-
River	1	0	8		Decrease of ground water level		
Shallow well	121	85	45		Shallow well (m/year)	0.3	
Deep well	52	10	18		Deep well (m/year)	0.2	
Ponds	50	4	20				
Other sources	5	1	9				
<u> </u>							

Kulaura

A. Pourashava Profile							
Class	В				Sanitation coverage		
Division	Sylhet				Latrine with septic tank (%)	75.0	
District	Moulavibazar				Water sealed slab latrine (%)	15.0	
Year established	1996				Water-related diseases	, Diarrhea,	, , Dysentery,
Contact Tel/Fax	08624-562	52					
E-mail					Technical staff (Nos.)	4	
Population (FY2010/2011)	35,410				Financial statements (2010/2011)	0	
Nos. of households (FY2010/2011)	2,957				Annual budget (Tk)	45,366,87	5
Literacy (%)	80.0				Revenue (Tk)	15,590,76	6
Land area (km²)	11.3				Expenditure (Tk)	15,259,24	7
Residential area (km²)	4.5				Computerization		ement, Accounting, Trade license, , Rate nate preparation, Engineering, Yearly
Residential area pop. density (persons/ha)	79						paration, Procurement,
Electricity coverage (%)	80.0				Committee formed		
Electricity availability (hrs)					TLCC /Frequency of meeting	Yes, 4 mor	nths
Summer	20				WATSAN/Frequency of meeting	Yes, 6 mor	nths
Winter	22						
D. Non-Piped Water Supply Area							
1. Necessity of Piped Water Supply					Main treatment method in domestic	, Boiling, , F	iltration
Necessity of					As contaminated wells (Nos.)	0	
Piped water	Yes				Arsenic contaminated water supply (%)	0	
Water meter	Yes				Unhygienic drinking water (%)	5	
Reasons		will be contro			% of people using neighbor's well for drinking	5	
	people will pa consumption	ay the bill as p	er their		Problems in non-piped water supply area	GWT declir	ne day by day,
Affordability (answered by pourashava staff)				3. F	Potential Water Sources for Non-Pipe	<mark>d</mark> Water Sเ	upply System
Average household income/month (Tk)	10,000				Potential water sources	Evaluation	WQ problems
Affordability for piped water (Tk/month)	150				Shallow well	None	Iron
Affordable price in total household income (%)	1.50				Deep well	high	Iron
2. Exiting Water Sources in Non-Piped W	ater Suppl	y Area			Surface water sources	-	-
Source	Nos. of source	Drinking (%)	Domestic (%)		Other sources	Yes	-
River	0	0	0		Decrease of ground water level		
Shallow well	700	40	50		Shallow well (m/year)	0.8	
Deep well	500	60	40		Deep well (m/year)	0.3	
Ponds	30	0	10				
Other sources	0	0	0				

Kuliarchar

Class	Kullarchar					VVII	ii Noii-Pipe	ed water Supply System
Division Division Division Division District Kishorgan Size Siz	A. Pourashava Profile							
District Vear established 1999 Water-sealed slab latrine (%) 6.0	Class	С				Sanitation coverage		
Year established	Division	Dhaka				Latrine with septic tank (%)	15.0	
Contact Tel/Fax	District	Kishorganj			Water sealed slab latrine (%)	6.0		
E-mail	Year established	1999				Water-related diseases	Arsenicosi	s, Diarrhea, , , ,
Population (FY2010/2011)	Contact Tel/Fax	942956077						
Nos. of households (FY2010/2011) 5,961	E-mail	kuli.pora@	gmail.com			Technical staff (Nos.)	2	
Literacy (%) 45.9	Population (FY2010/2011)	44,076	_			Financial statements (2010/2011)	0	
Land area (km²) Residential area (km²) Residential area (km²) Residential area (km²) Summer Winter D. Non-Piped Water Supply Area 1. Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordability for piped water supply Water Supply Area Source Nos. of source Nos. of source Nos. of source Drinking (tk) Doep well Deep	Nos. of households (FY2010/2011)	5,961				Annual budget (Tk)	20,029,663	1
Residential area (km²) Residential area pop. density (persons/ha) Electricity coverage (%) Summer Winter 7 D. Non-Piped Water Supply Area 1. Necessity of Piped Water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (TK) Affordability (answered by pourashava staff) Affordability (answered by pourashava staff) Affordability (answered by pourashava staff) Affordability (answered by note in total household. Affordable price in total household income (%) Source Nos. of source Nos. of source Shallow well Popends Deep well Ponds Affordability (answered by pour solution of the work of the product of t	Literacy (%)	45.9				Revenue (Tk)	12,044,583	1
Residential area (km²) Residential area pop. density (persons/ha) Electricity coverage (%) Summer Winter 7 D. Non-Piped Water Supply Area 1. Necessity of Piped Water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (TK) Affordability (answered by pourashava staff) Affordability (answered by pourashava staff) Affordability (answered by pourashava staff) Affordability (answered by note in total household. Affordable price in total household income (%) Source Nos. of source Nos. of source Shallow well Popends Deep well Ponds Affordability (answered by pour solution of the work of the product of t	Land area (km²)	11.4				Expenditure (Tk)	7,508,000	
Residential area pop. density (persons/ha) Electricity coverage (%) Electricity coverage (%) Summer Summer Winter 7 TLCC / Frequency of meeting Yes, 3 months Yes, When the budget is seclected TLCC / Frequency of meeting Yes, When the budget is seclected TLCC / Frequency of meeting Yes, When the budget is seclected TLCC / Frequency of meeting Yes, When the budget is seclected TLCC / Frequency of meeting Yes, When the budget is seclected WatSAN/Frequency of meeting Yes, When the budget is seclected TLCC / Frequency of meeting Yes, When the budget is seclected WatSAN/Frequency of meeting Yes, When the budget is seclected None,,, And in treatment method in domestic As contaminated wells (Nos.) Do not know Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordability (answered by pourashava staff) Auerage household income (%) 7,000	` '	4.6				Computerization		
Electricity availability (hrs) Summer Winter 7 Main treatment method in domestic As contaminated wells (Nos.) Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordabile price in total household income (%) Affordabile price in total household income (%) Source Nos. of source Piped water Supply Area Source Shallow well Ponds TLCC /Frequency of meeting WATSAN/Frequency of meeting Yes, 3 months Yes, When the budget is seclected None, ,, As contaminated wells (Nos.) Do not know Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area Arsenic, Iron (Fe), Potential Water Sources for Non-Piped Water Supply System Potential water sources Shallow well None Arsenic, Iron (Fe) Shallow well None Arsenic, Iron (Fe) Shallow well None Arsenic, Iron (Fe) Shallow well None Arsenic contaminated wells (Nos.) Po pople using neighbor's well for drinking Arsenic, Iron (Fe), Shallow well None Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area Arsenic contaminated wells (Nos.) Arsenic contaminated wells (Nos.) Arsenic contaminated wells (Nos.) Po people using neighbor's well for drinking Problems in non-piped water supply area Arsenic contaminated wells (Nos.) Potential Water Sources for Non-Piped Water Supply System Potential water sources Shallow well None Arsenic contaminated wells (Nos.) Arsenic contaminated wells (Nos.) Po people using neighbor's well for drinking Problems in non-piped water supply area Arsenic contaminated wells (Nos.) None, Arsenic contaminated wells (Nos.) Potential Water Sources for Non-Piped Water Suppl	` '	97					,,,,,,,,	
Summer Winter 7 D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Pyes Water meter Yes Reasons Piped water Supply Area Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordabile price in total household income (%) Source Nos. of source Pinking (%) Source Nos. of source Pinking (%) Shallow well Ponds WATSAN/Frequency of meeting Yes, When the budget is seclected Main treatment method in domestic As contaminated wells (Nos.) As contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area Arsenic, Iron (Fe), 3. Potential Water Sources for Non-Piped Water Supply System Potential water sources Evaluation WQ problems Shallow well None Arsenic, Iron (Fe) Deep well High No problem Surface water sources High Do not know Other sources No - Decrease of ground water level Shallow well (m/year) Deep well (m/year)	Electricity coverage (%)	90.0				Committee formed		
Minter D. Non-Piped Water Supply Area	Electricity availability (hrs)					TLCC /Frequency of meeting	Yes, 3 mor	nths
D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordability for piped water (Tk/month) Affordability for piped water (Tk/month) Affordabile price in total household income (%) Source River Source Nos. of source River Shallow well Deep well (m/year) O.3 Main treatment method in domestic As contaminated wells (Nos.) Do not know Arsenic, lron (Fe), Affordability (answered by pourashava staff) Arsenic contaminated water supply (%) O o o pont know Arsenic, lron (Fe), Potential Water Sources for Non-Piped Water Supply System Potential water sources Shallow well None Arsenic, Iron (Fe) Surface water sources Other sources Other sources No - Decrease of ground water level Shallow well (m/year) Deep well (m/year) O.3	Summer	7				WATSAN/Frequency of meeting	Yes, When	the budget is seclected
Main treatment method in domestic None, , , None, , None, , None, , , None, None, None, None, None, None, None,	Winter	11						
Necessity of Piped water Yes Water meter Yes Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) I.42 2. Exiting Water Sources in Non-Piped Water Supply Area Source River Source River Shallow well Deep well Deep well Ponds As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking problems in non-piped water supply area Arsenic, Iron (Fe), **Arsenic contaminated wells (Nos.) No poblems As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking problems in non-piped water supply area Arsenic, Iron (Fe), **Arsenic contaminated wells (Nos.) No poblems Arsenic, Iron (Fe) **Shallow well None Arsenic, Iron (Fe) Shallow well None Arsenic, Iron (Fe) Deep well High No problem Other sources No Decrease of ground water level Shallow well (m/year) Deep well (m/year) O.3 Deep well (m/year) O.3	D. Non-Piped Water Supply Area							
Piped water Water meter Yes Reasons - To save water and reduce waste in household The inhabitant need water for as they pay bill Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordability for piped water (Tk/month) Affordable price in total household income (%) Source Nos. of source Nos. of source River O O O Shallow well O O O Shallow well O O O Shallow well O O O Ponds 50 O 10	1. Necessity of Piped Water Supply					Main treatment method in domestic	None, , ,	
Water meter Reasons Possible water and reduce waste in household. The inhabitant need water for as they pay bill Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) Source Nos. of source River O O O O Shallow well Deep well Deep well Ponds Ves Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area Arsenic, Iron (Fe), **Potential Water Sources for Non-Piped Water Supply System** Potential water sources Evaluation WQ problems Shallow well None Arsenic, Iron (Fe) Poep well High No problem Surface water sources High Do not know Other sources Other sources No Decrease of ground water level Shallow well (m/year) Deep well (m/year) Deep well (m/year) O O O O O Deep well (m/year) O O O O O O O O O O O O O O O O O O O	Necessity of					As contaminated wells (Nos.)	Do not kno	w
Reasons -To save water and reduce waste in householdThe inhabitant need water for as they pay bill Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordability for piped water (Tk/month) Affordability for piped water Supply Area Source Nos. of source Dinking (%) Domestic (%) Shallow well 2,194 100 90 Deep well Deep well 0 0 0 0 Ponds 50 0 10	Piped water	Yes				Arsenic contaminated water supply (%)	0	
Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordability for piped water (Tk/month) Affordable price in total household income (%) I.42 2. Exiting Water Sources in Non-Piped Water Supply Area Source Nos. of source Nos. of source Shallow well Deep well (m/year) O.3 Deep well (m/year) O.3	Water meter	Yes				Unhygienic drinking water (%)	0	
Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Deep well Deep well Shallow well m/year) Deep well (m/year) O.3 Deep well (m/year) O.3	Reasons		and reduce wa	ste in		% of people using neighbor's well for drinking	Do not kno	w
Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordability for piped water (Tk/mont			nood water for	ac thou nay bill		Problems in non-piped water supply area	Arsenic, Iro	n (Fe),
Average household income/month (Tk) Affordability for piped water (Tk/month) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Water Supply Area Source Nos. of source Nos. of source River Shallow well 2,194 100 90 Deep well Deep well Deep well Demestic (%) Shallow well (m/year) Deep well (m/year) Deep well (m/year) Deep well (m/year) O 3		-THE IIIIIdDICATIC	need water for	as triey pay bill				
Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Water Supply Area Source Nos. of source Nos. of source Prinking (%) Shallow well Domestic (%) Ponds Shallow well None Arsenic, Iron (Fe) Deep well High No problem Surface water sources No Other sources No Decrease of ground water level Shallow well (m/year) Deep well (m/year) Oda Deep well (m/year)	Affordability (answered by pourashava staff)				3. F	Potential Water Sources for Non-Piped	Water Su	ipply System
Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Water Supply Area Source Nos. of source River O O O Shallow well Deep well O O O Shallow well Deep well O O O Deep well O O O Deep well Shallow well (m/year) Deep well (m/year) O O O O O O O O O O Deep well Shallow well (m/year) O O O O O O O O O O O O O	Average household income/month (Tk)	7,000				Potential water sources	<u>Evaluation</u>	WQ problems
Source Nos. of source Drinking (%) Domestic (%)	, , , , ,	100				Shallow well	None	Arsenic, Iron (Fe)
Source Nos. of source Drinking (%) Domestic (%)	Affordable price in total household income (%)	1.42				Deep well	High	No problem
River 0 0 0 Shallow well 2,194 100 90 Deep well 0 0 0 Ponds 50 0 10 Decrease of ground water level Shallow well (m/year) 0.3 Deep well (m/year) 0.3 O.3	2. Exiting Water Sources in Non-Piped W	ater Suppl	y Area		,	Surface water sources	Ü	Do not know
Shallow well 2,194 100 90 Shallow well (m/year) 0.3 Deep well 0 0 0 Deep well (m/year) 0.3 Ponds 50 0 10 Deep well (m/year) 0.3	Source	Nos. of source	Drinking (%)	Domestic (%)		Other sources	No	-
Deep well 0 0 0 Deep well (m/year) 0.3 Ponds 50 0 10	River	0	0	0		S .		
Ponds 50 0 10	Shallow well					, ,		
	· ·					Deep well (m/year)	0.3	
Other sources 0 0 0 0	Ponds							
	Other sources	0	0	0				

Lama

A. F	A. Pourashava Profile											
	Class	С				Sanitation coverage						
	Division	Chittagong				Latrine with septic tank (%)	20.0					
	District	Bandarban				Water sealed slab latrine (%)	50.0					
,	Year established	2001				Water-related diseases	, Diarrhea,	, Typhoid, Dysentery,				
	Contact Tel/Fax	155324469	1									
	E-mail	lamapoura	shava11@g	mail.com		Technical staff (Nos.)	4					
	Population (FY2010/2011)	28,645				Financial statements (2010/2011)	0					
	Nos. of households (FY2010/2011)	3,246				Annual budget (Tk)	57,041,02	4				
	Literacy (%)	37.0				Revenue (Tk)	7,219,894					
	Land area (km²)	28.5				Expenditure (Tk)	6,700,000					
	Residential area (km²)	8.5				Computerization		agement, , Trade license, , Rate				
	Residential area pop. density (persons/ha)	34						timate preparation, Engineering, dget preparation, ,				
	Electricity coverage (%)	40.0				Committee formed						
	Electricity availability (hrs)					TLCC /Frequency of meeting	Yes, 3 months					
	Summer	4				WATSAN/Frequency of meeting	No					
	Winter	12										
D. I	Non-Piped Water Supply Area											
1. N	ecessity of Piped Water Supply					Main treatment method in domestic	, Boiling, , F	iltration				
	Necessity of					As contaminated wells (Nos.)	0					
	Piped water	Yes				Arsenic contaminated water supply (%)	0					
	Water meter	Yes				Unhygienic drinking water (%)	0					
	Reasons	To prevent i	misuse of wa	iter and for		% of people using neighbor's well for drinking	30					
		accurate wa	ter volume.			Problems in non-piped water supply area		this pourashava contains iron.,				
	Affordability (answered by pourashava staff)				3. F	Potential Water Sources for Non-Piped		· · · · ·				
	Average household income/month (Tk)	8,000	8,000			Potential water sources	<u>Evaluation</u>	WQ problems				
	Affordability for piped water (Tk/month)	280	280			Shallow well	Moderate					
	Affordable price in total household income (%)	3.50			Deep well	-	Do not know					
2. E	kiting Water Sources in Non-Piped W			1	Surface water sources	Moderate	Human waste					
	Source	Nos. of source Drinking (%) Domestic (%)			Other sources	No	-					
	River	1 0 40			Decrease of ground water level							
	Shallow well	90 60 20			Shallow well (m/year)	0.3						
	Deep well	0 0 0			Deep well (m/year)	Not known						
	Ponds	110 0 15										
	Other sources	67 40 25										

Lohagara

LOTTUGUTU WITH NOTI-PIPEU Water Supply Syste											
Α.	Pourashava Profile										
	Class	С				Sanitation coverage					
	Division	Khulna				Latrine with septic tank (%)	45.0				
	District	Narail				Water sealed slab latrine (%)	35.0				
	Year established	2003				Water-related diseases	Arsenicosis, Di	arrhea, , Typhoid, Dysentery,			
	Contact Tel/Fax	Tel.: 04823	8-56350, Fax	x : Nil							
	E-mail	newaz.lp20	12@gmail.	com		Technical staff (Nos.)	5				
	Population (FY2010/2011)	30,231	- 0			Financial statements (2010/2011)	0				
	Nos. of households (FY2010/2011)	5,139				Annual budget (Tk)	39,685,000	0			
	Literacy (%)	89.8	9.8			Revenue (Tk)	9,135,000				
	Land area (km²)	14.9	1.9			Expenditure (Tk)	8,790,000				
	Residential area (km²)	5.9	9			Computerization					
	Residential area pop. density (persons/ha)	51				·	,,,,,,,,				
	Electricity coverage (%) 80.0					Committee formed					
	Electricity availability (hrs)					TLCC /Frequency of meeting	Yes, 3 months				
	Summer	14				WATSAN/Frequency of meeting	No				
	Winter	16				, , ,					
D.	Non-Piped Water Supply Area										
1. N	lecessity of Piped Water Supply					Main treatment method in domestic	None, , ,				
	Necessity of					As contaminated wells (Nos.)	2,800				
	Piped water	Yes				Arsenic contaminated water supply (%)	80				
	Water meter	Yes				Unhygienic drinking water (%)	Do not know				
	Reasons	- If is installe	d to collect	actual		% of people using neighbor's well for drinking	5				
		income of re	evenue.			Problems in non-piped water supply area	Arsenic con	itaminated, Iron,			
		- Reduce of	NRW.				Hardness				
	Affordability (answered by pourashava staff)				3. F	Potential Water Sources for Non-Piped	Water Su	ipply System			
	Average household income/month (Tk)	12,000				Potential water sources	Evaluation	WQ problems			
	Affordability for piped water (Tk/month)	Do not kno	W			Shallow well	None	Arsenic, Iron for Shallow well			
	Affordable price in total household income (%)	Do not kno	W			Deep well	High	-			
2. E	xiting Water Sources in Non-Piped W	ater Supply Area			Surface water sources	-	-				
	Source	Nos. of source Drinking (%) Domestic (%)			Other sources	Yes	-				
	River	0 0 0			Decrease of ground water level						
	Shallow well	3,500 10 90			Shallow well (m/year)	2.0					
	Deep well	400	90	5		Deep well (m/year)	Not known				
	Ponds	0	0	0							
	Other sources	0	0	5							

Madan

Class Division District Netrakona District Year established 2000 Contact Tel/Fax 01711-436803 E-mail Population (FY2010/2011) Nos. of households (FY2010/2011) Literacy (%) Land area (km²) Residential area (km²) Residential area pop. density (persons/ha) Electricity availability (hrs) Summer 12 Words Summer 12 Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Yes Water meter Reasons Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordability for piped w	A.	A. Pourashava Profile												
District Netrakona 2000 Water sealed slab latrine (%) 35.0 Year established 2000 Water-related diseases , Diarrhea, , , Dysentery, Contact Tel/Fax 01711-436803 Technical staff (Nos.) 2 Population (FY2010/2011) 20,200 Financial statements (2010/2011) 0 Nos. of households (FY2010/2011) 3,500 Annual budget (Tk) 51,814,951 Literacy (%) 75.0 Revenue (Tk) 8,257,423 Land area (km²) 10.1 Expenditure (Tk) 4,757,000 Residential area (km²) 3.0 Computerization, Fate schedule and estimate preparation, Procurement, Electricity coverage (%) 95.0 Committee formed TLCC /Frequency of meeting Yes, 4 months Summer 12 WATSAN/Frequency of meeting Yes, 4 months D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Area Customer will pay as per bill. Affordability (answered by pourashava staff) Average household income/month (Tk) 8,000 Potential water sources Evaluation WQ problems		Class			Sanitation coverage									
Year established Contact Tel/Fax E-mail Population (FY2010/2011) Nos. of households (FY2010/2011) Literacy (%) Land area (km²) Residential area (km²) Residential area (km²) Residential area (km²) Residential area (km²) Summer Winter D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons Technical staff (Nos.) Financial statements (2010/2011) O Annual budget (Tk) S1,814,951 Revenue (Tk) Revenue (Tk) Revenue (Tk) Revenue (Tk) Revenue (Tk) A,757,000 Annual budget (Tk) A,757,000 Annual budget (Tk) S1,814,951 Revenue (Tk) A,757,000 Annual budget (Tk) A,757,000 Annual budget (Tk) S1,814,951 Revenue (Tk) A,757,000 Annual budget (Tk) As commercial staff (Nos.) A,757,000 Annual budget (Tk) As contaminated wells (Nos.) As contaminated water supply (%) Unhygienic drinking water (%) O O not know Potential water Supply area In Outproblems Affordability (answered by pourashava staff) Average household income/month (Tk) Roundard Agents As contaminated water supply (%) Average household income/month (Tk) Roundard Agents As contaminated water supply (%) Average household income/month (Tk) Roundard Annual budget (Tk) Annual budg		Division	Dhaka				Latrine with septic tank (%)	30.0						
Contact Tel/Fax		District	Netrakona				Water sealed slab latrine (%)	35.0						
F-mail		Year established	2000				Water-related diseases	, Diarrhea,	, , Dysentery,					
Population (FY2010/2011) 20,200 Financial statements (2010/2011) 0 Nos. of households (FY2010/2011) 3,500 Annual budget (Tk) 51,814,951 Literacy (%) 75.0 Revenue (Tk) 8,257,423 Land area (km²) 10.1 Expenditure (Tk) 4,757,000 Residential area (km²) 3.0 Computerization Proparation, Yearly logical budget preparation, Yearly logical budget preparation, Procurement, Electricity coverage (%) 95.0 Committee formed Electricity availability (hrs) Ves, 4 months Summer 12 WATSAN/Frequency of meeting Yes, 4 months D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Area 1. Necessity of Piped Water Supply Area Necessity of Piped water Yes Area (Sacontaminated wells (Nos.) Do not know Unhygienic drinking water (%) Do not know Unhygienic drinking water (%) O Water meter Area (Sacontaminated wells (Nos.) Problems in non-piped water supply area (Iron, Sacontaminated water supply System) Affordability (answered by pourashava staff) Average household income/month (Tk) 8,000		Contact Tel/Fax	01711-436	803										
Nos. of households (FY2010/2011) 3,500 Literacy (%) 75.0 Land area (km²) 10.1 Residential area (km²) 3.0 Residential area pop. density (persons/ha) 67 Electricity coverage (%) 95.0 Committee formed Electricity availability (hrs) 12 Winter 18 D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Yes Water meter Yes Water meter Yes Reasons To reduce misuse of water. Customer will pay as per bill. Affordability (answered by pourashava staff) Average household income/month (TK) 8,000 Annual budget (TK) 8,1814,951 Revenue (Tk) 8,257,423 4,757,000, Rate schedule and estimate preparation, Procurement, Computerization Expenditure (Tk) 4,757,000, Rate schedule and estimate preparation, Procurement, Expenditure (Tk) 8,257,423 4,757,000, Rate schedule and estimate preparation, Procurement, Formula Water Supply Frequency of meeting Yes, 4 months WATSAN/Frequency of meeting Yes, 4 months Yes, 1 month Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) So f people using neighbor's well for drinking 20 Problems in non-piped water supply area I. Potential Water Sources for Non-Piped Water Supply System Potential water sources Evaluation WQ problems		E-mail					Technical staff (Nos.)	2						
Literacy (%) Land area (km²) Residential (rik) Residential area (km²) Residential area (km²) Residential (rik) Residential area (km²) Residential area (km²) Residential (rik) Residential extenched (rik) Residential extenched extensival pouget preparation, Procurement, Reson (rik) Residential extensival schedule and estimate preparation (reparation) Procurement, Rescontantial extensival procurement, Rescontantial extensival pouget preparation, Procurement, Rescontantial extensival pouget preparation, Procurement, Rescontantial extensival procurement, Rescontantial extensival procurement, Rescontantial extensival procurement, Rescontantial procurement, Resconta		Population (FY2010/2011)	20,200				Financial statements (2010/2011)	0						
Land area (km²) Residential area pop. density (persons/ha) Electricity coverage (%) Electricity availability (hrs) Summer Winter 12 WATSAN/Frequency of meeting WATSAN/Frequency of meeting Wes, 4 months Yes, 1 month Main treatment method in domestic As contaminated wells (Nos.) Piped water Water meter Reasons To reduce misuse of water. Customer will pay as per bill. Affordability (answered by pourashava staff) Average household income/month (Tk) Residential area (km²) 3.0 Computerization Pometrization Main treatment method in domestic As contaminated wells (Nos.) Do not know Arsenic contaminated wells (Nos.) Water supply (%) Unhygienic drinking water (%) Water Supply area Iron, Affordability (answered by pourashava staff) Average household income/month (Tk) 8,000		Nos. of households (FY2010/2011)	3,500				Annual budget (Tk)	51,814,95	1					
Residential area (km²) Residential area pop. density (persons/ha) Electricity coverage (%) Electricity availability (hrs) Summer Winter D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons To reduce misuse of water. Customer will pay as per bill. Affordability (answered by pourashava staff) Average household income/month (Tk) Residential area (km²) 93.0 Computerization """, Rate schedule and estimate preparation, Procurement, Procurement, WATSAN/Frequency of meeting Tes, 4 months Yes, 1 month None, , As contaminated wells (Nos.) Do not know Do not know Unhygienic drinking water (%) Problems in non-piped water supply area 3. Potential Water Sources for Non-Piped Water Supply System Potential water sources Evaluation WQ problems		Literacy (%)	75.0				Revenue (Tk)	8,257,423						
Residential area (km) Residential area pop. density (persons/ha) Electricity coverage (%) Electricity availability (hrs) Summer Winter D. Non-Piped Water Supply Area 1. Necessity of Piped water Water meter Reasons To reduce misuse of water. Customer will pay as per bill. Affordability (answered by pourashava staff) Average household income/month (Tk) Residential area pop. density (persons/ha) 67 Committee formed TLCC /Frequency of meeting Yes, 4 months Yes, 1 month Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) Solve Potential Water Sources for Non-Piped Water Supply System Potential water sources Potential water sources Evaluation Preparation, Yearly logical budget preparation, Procurement, pre		Land area (km²)	10.1				Expenditure (Tk)							
Residential area pop. density (persons/ha) Electricity coverage (%) Electricity availability (hrs) Summer Winter D. Non-Piped Water Supply Area 1. Necessity of Piped water Piped water Water meter Water meter Reasons To reduce misuse of water. Customer will pay as per bill. Affordability (answered by pourashava staff) Average household income/month (Tk) Reasons Area Committee formed TLCC /Frequency of meeting WATSAN/Frequency of meeting WATSAN/Frequency of meeting WATSAN/Frequency of meeting Yes, 4 months Yes, 1 month None, , , Do not know Arsenic contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Potential Water Sources for Non-Piped Water Supply System Potential water sources Evaluation WQ problems		Residential area (km²)	3.0				Computerization							
Electricity availability (hrs) Summer Winter D. Non-Piped Water Supply Area 1. Necessity of Piped Water Piped water Water meter Water meter Reasons To reduce misuse of water. Customer will pay as per bill. Electricity availability (hrs) Summer WATSAN/Frequency of meeting WATSAN/Frequency of meeting Yes, 4 months Yes, 1 month None, , , As contaminated wells (Nos.) Arsenic contaminated wells (Nos.) Unhygienic drinking water (%) Wof people using neighbor's well for drinking Problems in non-piped Water Supply System Affordability (answered by pourashava staff) Average household income/month (Tk) 8,000 To reduce misuse of water. Customer will pay as per bill. Affordability (answered by pourashava staff) Average household income/month (Tk) 8,000		Residential area pop. density (persons/ha)	67						, , ,					
Summer 12 WATSAN/Frequency of meeting Yes, 1 month D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Water meter Reasons To reduce misuse of water. Customer will pay as per bill. Affordability (answered by pourashava staff) Average household income/month (Tk) None, , , As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped Water Supply System Potential Water Sources for Non-Piped Potential water sources Evaluation WATSAN/Frequency of meeting Yes, 1 month None, , , As contaminated wells (Nos.) Do not know Unhygienic drinking water (%) % of people using neighbor's well for drinking 20 Problems in non-piped water supply area Iron,		Electricity coverage (%)	95.0				Committee formed							
Winter 18 D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons To reduce misuse of water. Customer will pay as per bill. Affordability (answered by pourashava staff) Average household income/month (Tk) P. Non-Piped Water Supply Area Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Do not know Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 1. Necessity of As contaminated wells (Nos.) Arsenic contaminated water supply (%) Do not know Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped Water Supply System Potential water sources Potential water sources Evaluation WQ problems		Electricity availability (hrs)					TLCC /Frequency of meeting	Yes, 4 mor	nths					
D. Non-Piped Water Supply Area 1. Necessity of Piped Water Supply Necessity of Piped water Piped water Water meter Reasons To reduce misuse of water. Customer will pay as per bill. Affordability (answered by pourashava staff) Average household income/month (Tk) As contaminated wells (Nos.) Arsenic contaminated water supply (%) Do not know Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area Iron, 3. Potential Water Sources for Non-Piped Water Supply System Potential water sources Evaluation WQ problems		Summer	12				WATSAN/Frequency of meeting	Yes, 1 mor	nth					
1. Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons To reduce misuse of water. Customer will pay as per bill. Affordability (answered by pourashava staff) Average household income/month (Tk) None, , , As contaminated wells (Nos.) Arsenic contaminated water supply (%) Do not know Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 1. Necessity of As contaminated wells (Nos.) Arsenic contaminated wells (Nos.) On ot know Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 1. Neeessity of As contaminated wells (Nos.) None, , , Do not know Unhygienic drinking water (%) % of people using neighbor's well for drinking 20 Iron, 1. Potential Water Sources for Non-Piped Water Supply System Potential water sources Potential water sources		Winter	18											
Necessity of Piped water Yes Water meter Reasons To reduce misuse of water. Customer will pay as per bill. Affordability (answered by pourashava staff) Average household income/month (Tk) As contaminated wells (Nos.) Arsenic contaminated water supply (%) Do not know Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area 3. Potential Water Sources for Non-Piped Water Supply System Potential water sources Evaluation WQ problems	D.	Non-Piped Water Supply Area												
Piped water Yes Water meter Yes Unhygienic drinking water (%) Reasons To reduce misuse of water. Customer will pay as per bill. Affordability (answered by pourashava staff) Average household income/month (Tk) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area Iron, 3. Potential Water Sources for Non-Piped Water Supply System Potential water sources Evaluation WQ problems	1. 1	Necessity of Piped Water Supply					Main treatment method in domestic	None, , ,						
Water meter Reasons To reduce misuse of water. Customer will pay as per bill. Affordability (answered by pourashava staff) Average household income/month (Tk) Yes Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area Iron, 3. Potential Water Sources for Non-Piped Potential water sources Evaluation WQ problems		•					` ,							
Reasons To reduce misuse of water. Customer will pay as per bill. Affordability (answered by pourashava staff) Average household income/month (Tk) Reasons To reduce misuse of water. Customer will pay as per bill. *% of people using neighbor's well for drinking Problems in non-piped water supply area **Incomplete the problems in non-piped water supply area *		Piped water	Yes				Arsenic contaminated water supply (%)							
Customer will pay as per bill. Problems in non-piped water supply area Iron, Affordability (answered by pourashava staff) Average household income/month (Tk) 8,000 Potential water sources Evaluation WQ problems		Water meter	Yes				, , ,	0						
Affordability (answered by pourashava staff) Average household income/month (Tk) 8,000 3. Potential Water Sources for Non-Piped Water Supply System Potential water sources Evaluation WQ problems		Reasons	To reduce	misuse of w	ater.									
Average household income/month (Tk) 8,000 Potential water sources <u>Evaluation</u> <u>WQ problems</u>			Customer	vill pay as p	er bill.		Problems in non-piped water supply area	Iron,						
Average household income/month (Tk) 8,000 Potential water sources <u>Evaluation</u> <u>WQ problems</u>		Affordability				2 5	Detential Water Courses for Non-Pin-	Motor C	unulu Custom					
		•	9 000			3. F		1						
Antificability for piped water (18/1101111) 100 311allow well inflored the information in inform			-,											
Affordable price in total household income (%) 1.25 Deep well High No problem		, , , , , , , , , , , , , , , , , , , ,												
2. Exiting Water Sources in Non-Piped Water Supply Area Surface water sources None No problem	2 5		1.23											
	2. L		Nos. of source Drinking (%) Domestic (%)					-						
Control Contro			1 0 10											
			2,500 80 65			8	Not known							
Deep well 100 20 5 Deep well (m/year) Not known			,											
Ponds 20 0 20							, ,,,,,,,							
Other sources 0 0 0		Other sources	0	0	0									

Madarganj

iviaaarganj					VVI	th Non-Pipe	d Water Supply System	
A. Pourashava Profile								
Class	С				Sanitation coverage			
Division	Dhaka				Latrine with septic tank (%)	4.0		
District	Jamalpur				Water sealed slab latrine (%)	30.0		
Year established	1999				Water-related diseases	, , , Typhoi	d, Dysentery,	
Contact Tel/Fax	019164698	53						
E-mail					Technical staff (Nos.)	4		
Population (FY2010/2011)	30,076				Financial statements (2010/2011)	0		
Nos. of households (FY2010/2011)	7,158				Annual budget (Tk)	70,502,748	3	
Literacy (%)	62.0	52.0			Revenue (Tk)	41,351,374	4	
Land area (km²)	10.8	0.8			Expenditure (Tk)	37,920,000		
Residential area (km²)	3.8				Computerization			
Residential area pop. density (persons/ha)	80			The second secon	, , , , , , Yearly I	ogical budget preparation, ,		
Electricity coverage (%)	80.0			Committee formed				
Electricity availability (hrs)					TLCC /Frequency of meeting	Yes, 3 months		
Summer	6				WATSAN/Frequency of meeting	No		
Winter	15				,, ,			
D. Non-Piped Water Supply Area								
1. Necessity of Piped Water Supply					Main treatment method in domestic	None, , ,		
Necessity of					As contaminated wells (Nos.)	0		
Piped water	Yes				Arsenic contaminated water supply (%)	0		
Water meter	Yes				Unhygienic drinking water (%)	5		
Reasons	- To save water	and collect the	actual bill		% of people using neighbor's well for drinking	10		
	- To know the a	mount of non-r	evenue water.		Problems in non-piped water supply area	Iron (Fe), The	water level in their shallow	
						tubewells is de	eclining during dry period.	
Affordability (answered by pourashava staff)				3. F	Potential Water Sources for Non-Pipe	<mark>d</mark> Water Su	ipply System	
Average household income/month (Tk)	6,000				Potential water sources	Evaluation	WQ problems	
Affordability for piped water (Tk/month)	100				Shallow well	None	Iron (Fe)	
Affordable price in total household income (%)	1.66				Deep well	High	No problem	
2. Exiting Water Sources in Non-Piped W	ater Supply Area			Surface water sources	-	-		
Source	Nos. of source Drinking (%) Domestic (%)			Other sources	No	-		
River	0	0	2		Decrease of ground water level			
Shallow well	6,000	100	90		Shallow well (m/year)	0.2		
Deep well	0	0	0		Deep well (m/year)	0.4		
Ponds	350	0	8					
Other sources	0	0	0					

Madhabdi

P	A. Pourashava Profile									
	Class	Α				Sanitation coverage				
	Division	Dhaka				Latrine with septic tank (%)	21.0			
П	District	Narshingdi				Water sealed slab latrine (%)	45.0			
П	Year established	34517				Water-related diseases	, Diarrhea,	, , Dysentery,		
	Contact Tel/Fax	9446303/9	446350							
	E-mail					Technical staff (Nos.)	7			
	Population (FY2010/2011)	28,700				Financial statements (2010/2011)	0			
	Nos. of households (FY2010/2011)	3,500	3,500			Annual budget (Tk)	40,478,15	2		
	Literacy (%)	84.0	34.0			Revenue (Tk)	28,201,379	9		
	Land area (km²)	5.1				Expenditure (Tk)	24,511,000			
	Residential area (km²)	2.4				Computerization		anagement, Accounting, Trade		
	Residential area pop. density (persons/ha) 120						license,,,,,			
	Electricity coverage (%)				Committee formed					
	Electricity availability (hrs)				TLCC /Frequency of meeting	Yes, 1 mor	nth			
	Summer	20-22				WATSAN/Frequency of meeting	No			
	Winter	23-24								
c). Non-Piped Water Supply Area									
_	. Necessity of Piped Water Supply					Main treatment method in domestic	None, Boili	ng, ,		
	Necessity of					As contaminated wells (Nos.)	0			
	Piped water	Yes	es			Arsenic contaminated water supply (%)	0			
	Water meter	No				Unhygienic drinking water (%)	0			
П	Reasons					% of people using neighbor's well for drinking	15			
						Problems in non-piped water supply area				
							<i>'</i>			
	Affordability (answered by pourashava staff)				3. F	Potential Water Sources for Non-Pipe	<mark>d</mark> Water Sเ	ipply System		
	Average household income/month (Tk)	5,417-6,25	0			Potential water sources	Evaluation	· · · · · · · · · · · · · · · · · · ·		
	Affordability for piped water (Tk/month)	300				Shallow well	Moderate	some Fe problem		
	Affordable price in total household income (%) 4.83-5.54					Deep well	High	Good quality		
2	. Exiting Water Sources in Non-Piped Water Supply Area				Surface water sources	None	Pollute			
	Source Nos. of source Drinking (%) Domestic (%)			Other sources	No	-				
	River	2 0 5			Decrease of ground water level					
	Shallow well	1,800 55 75			Shallow well (m/year)	Not known				
	Deep well	750 45 15			Deep well (m/year)	Not known				
	Ponds	20-25 0 5								
	Other sources	0	0	0						

Madhupur

Ινιααπαραι						tii itoii i ipc	u water supply system		
A. Pourashava Profile									
Class	В				Sanitation coverage				
Division	Dhaka				Latrine with septic tank (%)	15.0			
District	Tangail				Water sealed slab latrine (%)	80			
Year established	1995				Water-related diseases	Arsenicosis	, Diarrhea, , Typhoid, ,		
Contact Tel/Fax	017115113	16							
E-mail					Technical staff (Nos.)	5			
Population (FY2010/2011)	50,145				Financial statements (2010/2011)	0			
Nos. of households (FY2010/2011)	10,763				Annual budget (Tk)	86,166,17	1		
Literacy (%)	70.0	70.0			Revenue (Tk)	14,590,000)		
Land area (km²)	25.62				Expenditure (Tk)	11,035,818			
Residential area (km²) 7.68			Computerization		ement, Accounting, Trade license, Salary edule and estimate preparation,				
Residential area pop. density (persons/ha)	65					Engineering, Yearly Procurement.	logical budget preparation,		
Electricity coverage (%) 70					Committee formed	Procurement.			
Electricity availability (hrs)					TLCC /Frequency of meeting				
Summer	8			WATSAN/Frequency of meeting No					
Winter	14								
D. Non-Piped Water Supply Area									
1. Necessity of Piped Water Supply					Main treatment method in domestic	None, , ,			
Necessity of					As contaminated wells (Nos.)	3			
Piped water	Yes				Arsenic contaminated water supply (%)	1			
Water meter	Yes				Unhygienic drinking water (%)	10			
Reasons	- To save water	and collect the	actual bill		% of people using neighbor's well for drinking	5			
	- To know the a	mount of non-r	revenue water.		Problems in non-piped water supply area	Arsenic and	l liron on shallow well,		
						Lowering of	f GWL in dry season		
Affordability (answered by pourashava staff)				3. F	Potential Water Sources for Non-Pipe	d Water Su	ipply System		
Average household income/month (Tk)	10,000				Potential water sources	<u>Evaluation</u>	WQ problems		
, , , , , ,	200				Shallow well	None	Fe & As		
Affordable price in total household income (%)	total household income (%)				Deep well	High	No problem		
2. Exiting Water Sources in Non-Piped Water	er Sources in Non-Piped Water Supply Area				Surface water sources	-	-		
Source	Source Nos. of source Drinking (%) Domestic (Domestic (%)		Other sources	No	-		
River	0	0	0		Decrease of ground water level				
Shallow well	6,200	95	80		Shallow well (m/year)	0.3			
Deep well	0	0	0		Deep well (m/year)	0.5			
Ponds	50	5	20						
Other sources 0 0 0									

Manirampur

·								
A. Pourashava Profile								
Class	В				Sanitation coverage			
Division	Khulna				Latrine with septic tank (%)	25.0		
District	Jessore				Water sealed slab latrine (%)	60.0		
Year established	1997				Water-related diseases	, Diarrhea,	, Typhoid, Dysentery,	
Contact Tel/Fax	04227-783	68, 04227-7	78372					
E-mail	monirampu	monirampurpourashava@gmail.com			Technical staff (Nos.)	6		
Population (FY2010/2011)	32,495	32,495			Financial statements (2010/2011)	0		
Nos. of households (FY2010/2011)	5,604				Annual budget (Tk)	11,019,79	8	
Literacy (%)	82.0				Revenue (Tk)	9,635,479		
Land area (km²)	16.5	16.5			Expenditure (Tk)	8,382,988		
Residential area (km²)	6.6	5.6			Computerization		anagement, Accounting, Trade	
Residential area pop. density (persons/ha)	49	19					payment, Rate schedule and aration, Engineering, Yearly	
Electricity coverage (%)	80.0	30.0			Committee formed			
Electricity availability (hrs)					TLCC /Frequency of meeting	Yes, 3 months		
Summer	18				WATSAN/Frequency of meeting	Yes, 1 mor	nth	
Winter	20							
D. Non-Piped Water Supply Area								
1. Necessity of Piped Water Supply					Main treatment method in domestic	None, , ,		
Necessity of					As contaminated wells (Nos.)	95		
Piped water	Yes				Arsenic contaminated water supply (%)	30		
Water meter	Yes				Unhygienic drinking water (%)	0		
Reasons	_	e of water, custo			% of people using neighbor's well for drinking	20		
		ly, service hour i e and repair reg			Problems in non-piped water supply area	arsenic, Iro	n, Salinity problem, Dry	
	iiile leak reduct	e and repair reg	ularry.			season wat	er level down	
Affordability (answered by pourashava staff)				3. F	Potential Water Sources for Non-Pipe	ฟ Water Sเ	upply System	
Average household income/month (Tk)	7,000				Potential water sources	Evaluation	WQ problems	
Affordability for piped water (Tk/month)	Affordability for piped water (Tk/month) 180				Shallow well	N	As, Fe	
Affordable price in total household income (%)	Affordable price in total household income (%) 2.57			Deep well	High	Iron, salinity		
2. Exiting Water Sources in Non-Piped W	rces in Non-Piped Water Supply Area			Surface water sources	None	Very dirty		
Source	Nos. of source Drinking (%) Domestic (%)			Other sources	No	-		
River	1	0	20		Decrease of ground water level			
Shallow well	280	70	50		Shallow well (m/year)	8.0 - 10.0		
Deep well	101	30	30		Deep well (m/year)	Not known		
Ponds	3	0	0					
Other sources	0	0	0					

Mathbaria

Mathbaria		a water supply system						
A. Pourashava Profile								
Class	Α				Sanitation coverage			
Division	Barisal				Latrine with septic tank (%)	5.0		
District	Pirojpur				Water sealed slab latrine (%)	50.0		
Year established	1993				Water-related diseases	Arsenicosis, D	iarrhea, Cholera, Typhoid, ,	
Contact Tel/Fax	04625-750	59						
E-mail					Technical staff (Nos.)	5		
Population (FY2010/2011)	50,000				Financial statements (2010/2011)	0		
Nos. of households (FY2010/2011)	8,000				Annual budget (Tk)	67,958,000)	
Literacy (%)	74.0	74.0			Revenue (Tk)	23,096,059		
Land area (km²)	4.0	.0			Expenditure (Tk)	21,458,000)	
Residential area (km²)	2.0	0			Computerization		rade license, Salary payment,	
Residential area pop. density (persons/ha)	250	50				Rate schedule Engineering, ,	and estimate preparation,	
Electricity coverage (%)	90.0				Committee formed	Liigincering, ,	'	
Electricity availability (hrs)					TLCC /Frequency of meeting	Yes, Irregular		
Summer	22	2			WATSAN/Frequency of meeting	No		
Winter 23					, , ,			
D. Non-Piped Water Supply Area								
1. Necessity of Piped Water Supply					Main treatment method in domestic	, Boiling, Ch	lorination, Filtration	
Necessity of					As contaminated wells (Nos.)	0		
Piped water	Yes				Arsenic contaminated water supply (%)	0		
Water meter	Yes				Unhygienic drinking water (%)	80		
Reasons	GW problen	n. no rain wa	iter		% of people using neighbor's well for drinking	80		
	harvesting s				Problems in non-piped water supply area	Ground water problem, Salinity		
	capable for	payment			, pp. 1111111111111111111111111111111111		surface water	
Affordability (answered by pourashava staff)				3. F	Potential Water Sources for Non-Pipe	Water Su	pply System	
Average household income/month (Tk)	5500-6000				Potential water sources	Evaluation	WQ problems	
Affordability for piped water (Tk/month)	200-300				Shallow well	N	As, Salinity	
Affordable price in total household income (%)	3.64-5				Deep well	N	salinity	
2. Exiting Water Sources in Non-Piped W	ater Supply Area			Surface water sources	Moderate	salinity, mud		
Source	Nos. of source Drinking (%) Domestic (%)			Other sources	Yes	-		
River	1	10	30		Decrease of ground water level			
Shallow well	325	60	20		Shallow well (m/year)	2.0		
Deep well	0	0	0		Deep well (m/year)	Not known		
Ponds	300	25	45					
Other sources	65	5	5					

Matiranga

_											
4	A. Pourashava Profile										
	Class	С				Sanitation coverage					
П	Division	Chittagong				Latrine with septic tank (%)	2.0				
П	District	Khagrachai	i			Water sealed slab latrine (%)	42.0				
ı	Year established	2002				Water-related diseases	, Diarrhea,	, , Dysentery,			
П	Contact Tel/Fax	171599426	55								
ı	E-mail					Technical staff (Nos.)					
ı	Population (FY2010/2011)	30,000				Financial statements (2010/2011)	0				
ı	Nos. of households (FY2010/2011)	2010/2011) 5,071				Annual budget (Tk)	40,117,820)			
ı	Literacy (%)	35.0	5.0			Revenue (Tk)	6,081,843				
ı	Land area (km²)	25.5				Expenditure (Tk)	5,315,053				
ı	Residential area (km²)	7.7				Computerization		agement, , Trade license, , Rate			
П	Residential area pop. density (persons/ha) 39							imate preparation, Engineering, dget preparation, ,			
П	Electricity coverage (%)	55.0				Committee formed					
ı	Electricity availability (hrs)					TLCC /Frequency of meeting	Yes, 4 months				
ı	Summer	8				WATSAN/Frequency of meeting	No				
ı	Winter	20									
ı	D. Non-Piped Water Supply Area										
1	. Necessity of Piped Water Supply					Main treatment method in domestic	None, , ,				
ı	Necessity of					As contaminated wells (Nos.)	0				
	Piped water	Yes				Arsenic contaminated water supply (%)	0				
П	Water meter	Yes				Unhygienic drinking water (%)	5				
	Reasons	To minimize	wastage of	water, To		% of people using neighbor's well for drinking	30				
		know the ac	curate volur	ne of water		Problems in non-piped water supply area	Contain some iron water,				
ı		what they w	ill use.								
	Affordability (answered by pourashava staff)				3. P	Potential Water Sources for Non-Pipe	d Water Su	ipply System			
	Average household income/month (Tk)	5,000				Potential water sources	Evaluation	WQ problems			
ı	Affordability for piped water (Tk/month) 150				Shallow well	Moderate	Contain high quantity iron				
	Affordable price in total household income (%) 3.00			Deep well	Moderate	Contain high quantity iron					
1	Exiting Water Sources in Non-Piped Water Supply Area			Surface water sources	-	-					
	Source Nos. of source Drinking (%) Domestic (%)			Other sources	No	-					
	River	0	0	0		Decrease of ground water level					
	Shallow well	1,205 60 55			Shallow well (m/year)	0.3					
	Deep well	88	20	10		Deep well (m/year)	0.1				
	Ponds	10 0 5									
	Other sources	72	20	30							
100											

Melandaha

TVTCTGTTGGTTG							, ,	
A. Pourashava Profile								
Class	С				Sanitation coverage			
Division	Dhaka				Latrine with septic tank (%)	10.0		
District	Jamalpur				Water sealed slab latrine (%)	30.0		
Year established	1998				Water-related diseases	Arsenicosi	s, , , Typhoid, ,	
Contact Tel/Fax	09826-561	31, 0171303	31645					
E-mail					Technical staff (Nos.)			
Population (FY2010/2011)	52,540	52,540			Financial statements (2010/2011)	0		
Nos. of households (FY2010/2011)	7,968	7,968			Annual budget (Tk)	45,270,85	5	
Literacy (%)	65.0	5.0			Revenue (Tk)	31,632,89	8	
Land area (km²)	13.0	3.0			Expenditure (Tk)	28,010,120	0	
Residential area (km²)	3.9			Computerization				
Residential area pop. density (persons/ha) 135						, , , , , , Yearly I	ogical budget preparation, ,	
Electricity coverage (%)	80.0				Committee formed			
Electricity availability (hrs)					TLCC /Frequency of meeting			
Summer	12				WATSAN/Frequency of meeting	No		
Winter	16							
D. Non-Piped Water Supply Area								
1. Necessity of Piped Water Supply					Main treatment method in domestic	None, , ,		
Necessity of					As contaminated wells (Nos.)	10		
Piped water	Yes				Arsenic contaminated water supply (%)	5		
Water meter	Yes				Unhygienic drinking water (%)	10		
Reasons	- To save water				% of people using neighbor's well for drinking	15		
	- To know the a	mount of non-r	evenue water.		Problems in non-piped water supply area), The water level in their shallow	
						tubewells is deci	ining during dry period.	
Affordability (answered by pourashava staff)				3. F	Potential Water Sources for Non-Pipe	<mark>d</mark> Water Տւ	ipply System	
Average household income/month (Tk)	6,000				Potential water sources	Evaluation	WQ problems	
Affordability for piped water (Tk/month)	100				Shallow well	None	Arsenic, Iron (Fe)	
Affordable price in total household income (%)	e price in total household income (%)				Deep well	High	No problem	
2. Exiting Water Sources in Non-Piped W	ources in Non-Piped Water Supply Area			Surface water sources	-	-		
Source	Source Nos. of source Drinking (%) Domestic (9		Domestic (%)		Other sources	No	-	
River	0	0	0		Decrease of ground water level			
Shallow well	4,500	98	90		Shallow well (m/year)	0.3		
Deep well	1	2	6		Deep well (m/year)	0.4		
Ponds	100	0	4					
Other sources 0 0 0								

Mirpur

Α. Ι	Pourashava Profile								
	Class	В				Sanitation coverage			
	Division Khulna					Latrine with septic tank (%)	45.0		
	District	Kushtia				Water sealed slab latrine (%)	30.0		
	Year established	1998				Water-related diseases	, Diarrhea,	, , Dysentery,	
	Contact Tel/Fax	Tel.: 0702-	656208, Fax	x : Nil					
	E-mail	mirpurpaui	rashava@ya	ahoo.com		Technical staff (Nos.)	10		
	Population (FY2010/2011)	23,221				Financial statements (2010/2011)	0		
	Nos. of households (FY2010/2011)	5,384				Annual budget (Tk)	27,500,000	0	
	Literacy (%)	64.0				Revenue (Tk)	12,334,400	0	
	Land area (km²)	9.2				Expenditure (Tk)	12,827,81	6	
	Residential area (km²)	5.1				Computerization		dule and estimate	
	Residential area pop. density (persons/ha)	46					budget prepar	ngineering, Yearly logical	
	Electricity coverage (%)	80.0				Committee formed		,	
	Electricity availability (hrs)					TLCC /Frequency of meeting	No		
	Summer	10				WATSAN/Frequency of meeting	No		
	Winter	14							
D.	Non-Piped Water Supply Area								
1. N	lecessity of Piped Water Supply					Main treatment method in domestic	None, , ,		
	Necessity of					As contaminated wells (Nos.)	474		
	Piped water	Yes				Arsenic contaminated water supply (%)	14		
	Water meter	Yes				Unhygienic drinking water (%)	Do not know		
	Reasons	- For accuracy of billing system				% of people using neighbor's well for drinking	33		
		- Calculate the water volume consumed.				Problems in non-piped water supply area	Arsenic about 14% and t oo much of iron of Shallow tube well., In sufficient water supply		
							summer season	ii., iii suriicient water supply iii	
	Affordability (answered by pourashava staff)				3. F	Potential Water Sources for Non-Piped	Water Su		
	Average household income/month (Tk)	12,000				Potential water sources	Evaluation	WQ problems	
	Affordability for piped water (Tk/month)	Do not kno				Shallow well	None	Arsenic, Iron	
	Affordable price in total household income (%)	Do not know				Deep well	-	-	
2. E	xiting Water Sources in Non-Piped W	<mark>/</mark> ater Supply Area		,	Surface water sources	-	-		
	Source Nos.		Drinking (%)	Domestic (%)		Other sources	Yes	-	
	River	1	0	0		Decrease of ground water level			
	Shallow well 3,560 100 70			Shallow well (m/year)	1.0				
	Deep well 0 0		Deep well (m/year) Not known						
	Ponds 0 0 10								
Other sources 0 0			0	0					

Mirsharai

iviii Siiurui				VVI	tii Noii-ripe	d water supply system		
A. Pourashava Profile								
Class	В				Sanitation coverage			
Division	Chittagong				Latrine with septic tank (%)	75.0		
District	Chittagong				Water sealed slab latrine (%)	15.0		
Year established	2001				Water-related diseases	Arsenicosis, Di	arrhea, , Typhoid, Dysentery,	
Contact Tel/Fax	302456144	ļ						
E-mail					Technical staff (Nos.)	5		
Population (FY2010/2011)	20,071				Financial statements (2010/2011)	0		
Nos. of households (FY2010/2011)	2,709	,709			Annual budget (Tk)	7,075,000		
Literacy (%)	87.0	37.0			Revenue (Tk)	6,874,624		
Land area (km²)	10.5	0.5			Expenditure (Tk)	6,698,481		
Residential area (km²)	5.8	5.8			Computerization			
i i	Residential area pop. density (persons/ha) 35					,,,,,,,,		
Electricity coverage (%) 90.0					Committee formed			
Electricity availability (hrs)					TLCC /Frequency of meeting	Yes, 3 months		
Summer 6				WATSAN/Frequency of meeting Yes, 2 months				
Winter	10							
D. Non-Piped Water Supply Area								
1. Necessity of Piped Water Supply					Main treatment method in domestic	None, , ,		
Necessity of					As contaminated wells (Nos.)	300		
Piped water	Yes				Arsenic contaminated water supply (%)	90		
Water meter	Yes				Unhygienic drinking water (%)	50		
Reasons	To use supp	nly water ne	erfectly		% of people using neighbor's well for drinking	10		
Reasons	ro use supp	pry water p	circuity.		Problems in non-piped water supply area	Arsenic and salinity on shallow wells., Shallow		
					resident in non pipea mater supply area	are contaminate	d by human waste.	
Affordability (answered by pourashava staff)				3. F	Potential Water Sources for Non-Pipe	<mark>d</mark> Water Տւ	ipply System	
Average household income/month (Tk)	7,000				Potential water sources	Evaluation	WQ problems	
Affordability for piped water (Tk/month)	280				Shallow well	Moderate	Arsenic and bacteria	
Affordable price in total household income (%)					Deep well	-	-	
2. Exiting Water Sources in Non-Piped Wa	g Water Sources in Non-Piped Water Supply Area			Surface water sources	Moderate	No problem		
Source	Nos. of source Drinking (%) Domestic (%)			Other sources	No	-		
River	0	0	0		Decrease of ground water level			
Shallow well	312	90	90		Shallow well (m/year)	0.3		
Deep well	0	0	0		Deep well (m/year)	Not known		
Ponds	40	10	10					
Other sources	oer sources 0 0 0							

Mirzapur

A.	Pourashava Profile					_	
	Class	B			Sanitation coverage		
	Division	Dhaka			Latrine with septic tank (%)	20.0	
	District	Tangail			Water sealed slab latrine (%)	35.0	
	Year established	2000			Water-related diseases	Arsenicosis, Di	arrhea, , , ,
	Contact Tel/Fax	01712711	785,09229-	56400(F);			
	E-mail	mirzapurpo	urashava@	yahoo.com	Technical staff (Nos.)	6	
	Population (FY2010/2011)	28,498			Financial statements (2010/2011)	0	
	Nos. of households (FY2010/2011)	4,763			Annual budget (Tk)	56,371,605	
	Literacy (%)	78.0			Revenue (Tk)	12,330,691	
	Land area (km²)	8.6			Expenditure (Tk)	10,627,000	
	Residential area (km²)	3.4			Computerization		ment, Accounting, Trade ent, Rate schedule and
	Residential area pop. density (persons/ha)	83					n, Engineering, Yearly logical
	Electricity coverage (%)	100.0			Committee formed		
	Electricity availability (hrs)				TLCC /Frequency of meeting	Yes, 3 months	
	Summer	12			WATSAN/Frequency of meeting	No	
	Winter	18					
D.	Non-Piped Water Supply Area						
1.	Necessity of Piped Water Supply				Main treatment method in domestic	None, , ,	
	Necessity of				As contaminated wells (Nos.)	113	
	Piped water	Yes			Arsenic contaminated water supply (%)	20	
	Water meter	Yes			Unhygienic drinking water (%)	10	
	Reasons	- To reduce th	ne waste of w	ater,collect	% of people using neighbor's well for drinking	15	
		actual bill and	d know the no	n revenue of	Problems in non-piped water supply area	Arsenic , Iron an	d water table declining
		water.					
	Affordability (answered by pourashava staff)				3. Potential Water Sources for Non-Pipe	<mark>d</mark> Water Suppl	y System
	Average household income/month (Tk)	10,000			Potential water sources	<u>Evaluation</u>	WQ problems
	Affordability for piped water (Tk/month)	150			Shallow well	None	Iron,Arsenic
	Affordable price in total household income (%)	1.50			Deep well	High	No problem
2.	Exiting Water Sources in Non-Piped W	ater Supply Area			Surface water sources	-	-
	Source	Nos. of source	Drinking (%)	Domestic (%)	Other sources	No	-
	River	0	0	0	Decrease of ground water level		
	Shallow well	2,457 97 45			Shallow well (m/year)	0.0	
	Deep well	2	3	5	Deep well (m/year)	0.0	
	Ponds	135 0 35					
	Other sources	3	0	15			

Moheshkhali

TVTOTTESTIKITATI					<u> </u>	,	
A. Pourashava Profile							
Class		Sanitation coverage					
Division	Chittagong			Latrine with septic tank (%)	20.0		
District	Cox's Bazar			Water sealed slab latrine (%)	55.0		
Year established	2001	2001		Water-related diseases	, Diarrhea, , Ty	phoid, Dysentery,	
Contact Tel/Fax	Tel-034247	4289, Fax-0	342474419				
E-mail	moheshpo	moheshpoura2001@gmail.com		Technical staff (Nos.)	3		
Population (FY2010/2011)	30,040	_		Financial statements (2010/2011)	0		
Nos. of households (FY2010/2011)	3,251			Annual budget (Tk)	Not available		
Literacy (%)	48.0			Revenue (Tk)	16,815,493		
Land area (km²)	7.7			Expenditure (Tk)	28,561,182		
Residential area (km²)	3.1			Computerization	, , , , Rate schedule a	nd estimate preparation,	
Residential area pop. density (persons/ha)	98				Engineering, Yearly I	ogical budget preparation, ,	
Electricity coverage (%)	80.0			Committee formed			
Electricity availability (hrs)				TLCC /Frequency of meeting	No		
Summer	6			WATSAN/Frequency of meeting	Yes, 6 months		
Winter	14						
D. Non-Piped Water Supply Area							
1. Necessity of Piped Water Supply				Main treatment method in domestic	, Boiling, , Filtrat	ion	
Necessity of				As contaminated wells (Nos.)	0		
Piped water	Yes			Arsenic contaminated water supply (%)	0		
Water meter	Yes			Unhygienic drinking water (%)	Do not know		
Reasons	We think that water meters can give us			% of people using neighbor's well for drinking	Do not know		
	correct information of water. It prevent			Problems in non-piped water supply area	Iron, Salinity,		
	wasting water and save this.						
Affordability (answered by pourashava staff)				3. Potential Water Sources for Non-Pipe	<mark>d</mark> Water Suppl	y System	
Average household income/month (Tk)	10,000			Potential water sources	<u>Evaluation</u>	WQ problems	
Affordability for piped water (Tk/month)	400			Shallow well	Moderate	Iron, Salinity	
Affordable price in total household income (%)	4.00			Deep well	Moderate	Iron, Salinity	
2. Exiting Water Sources in Non-Piped W	ater Suppl	y Area		Surface water sources	-	-	
Source	Source Nos. of source Drinking (%) Domestic (%)		Domestic (%)	Other sources	Yes	-	
River	0	0	0	Decrease of ground water level			
Shallow well	320	90	63	Shallow well (m/year)	1.0		
Deep well	18	7	0	Deep well (m/year)	0.7		
Ponds	0	0	30				
Other sources	7	3	7				

Mohonganj

A. P	ourashava Profile								
Class B						Sanitation coverage			
D	Division	Dhaka				Latrine with septic tank (%)	40.0		
D	District	Netrokona				Water sealed slab latrine (%)	10.0		
Y	ear established	1975				Water-related diseases	, Diarrhea,	.,,,	
C	Contact Tel/Fax	09524-560	30						
	E-mail					Technical staff (Nos.)	4		
P	opulation (FY2010/2011)	41,460				Financial statements (2010/2011)	0		
N	los. of households (FY2010/2011)	8,050				Annual budget (Tk)	25,991,49	5	
L	iteracy (%)	80.0				Revenue (Tk)	1,200,000		
L	and area (km²)	6.9				Expenditure (Tk)	8,491,495		
	Residential area (km²)	2.4				Computerization		ement, Accounting, , Salary payment, estimate preparation, Engineering,	
	Residential area pop. density (persons/ha)	171						et preparation, Procurement,	
E	lectricity coverage (%)	80.0				Committee formed			
E	lectricity availability (hrs)					TLCC /Frequency of meeting	Yes, 3 mor	nths	
	Summer	19				WATSAN/Frequency of meeting	Yes, 3 mor	nths	
	Winter	21							
D. N	Ion-Piped Water Supply Area								
1. Ne	ecessity of Piped Water Supply					Main treatment method in domestic	, , , Filtratio	n	
N	lecessity of					As contaminated wells (Nos.)	Do not know		
	Piped water	Yes				Arsenic contaminated water supply (%)	Do not know		
	Water meter	Yes				Unhygienic drinking water (%)	5		
	Reasons	 To reduces wstage income of pourashy 	to get exact bill, to i	improve revenue		% of people using neighbor's well for drinking	30		
		- Lack of pure water	, if water supply faci er connection and ti			Problems in non-piped water supply area	Iron, Arsen	ic	
		people will take wai	er connection and ti	ney will pay for this.					
А	ffordability (answered by pourashava staff)				3. F	Potential Water Sources for Non-Piped	d Water Su	ipply System	
	Average household income/month (Tk)	13,000				Potential water sources	Evaluation	WQ problems	
	Affordability for piped water (Tk/month)	150				Shallow well	Moderate	Iron,Arsenic	
	Affordable price in total household income (%)	1.15				Deep well	High	No problem	
2. Ex	iting Water Sources in Non-Piped W	<mark>oed W</mark> ater Supply Area				Surface water sources	None	Connect with drain, human excreta	
	Source	Nos. of source	Drinking (%)	Domestic (%)		Other sources	No	-	
	River	1	0	10		Decrease of ground water level			
	Shallow well	3,500	80	45		Shallow well (m/year)	Not known		
	Deep well	60 20 15				Deep well (m/year)	Not known		
	Ponds		40 0 25						
	Other sources	4	0	5					

Morolganj

IVI	oroiganj					WI	th Non-Pipe	d Water Supply System	
A.	Pourashava Profile								
	Class	С				Sanitation coverage			
	Division	Khulna				Latrine with septic tank (%)	4.0		
	District	Bagerhat				Water sealed slab latrine (%)	83.0		
	Year established	1998	1998			Water-related diseases	Arsenicosis, Diarrhea,	Cholera, Typhoid, Dysentery, Skin diseases	
	Contact Tel/Fax	Tel: 04656-	56100						
	E-mail	morrelgonjp	morrelgonjpourashava@yahoo.com			Technical staff (Nos.)	2		
	Population (FY2010/2011)	21,718	21,718			Financial statements (2010/2011)	0		
	Nos. of households (FY2010/2011)	4,220				Annual budget (Tk)	1,078,500,	000	
	Literacy (%)	71.0				Revenue (Tk)	138,500,00	00	
	Land area (km²)	6.0				Expenditure (Tk)	1,075,376,		
	Residential area (km²)	3.0				Computerization	Rate sche	dule and estimate	
	Residential area pop. density (persons/ha)	72					preparation, E		
	Electricity coverage (%)	70.0				Committee formed			
	Electricity availability (hrs)					TLCC /Frequency of meeting	No		
	Summer	14				WATSAN/Frequency of meeting	No		
	Winter	20							
D.	Non-Piped Water Supply Area								
	lecessity of Piped Water Supply					Main treatment method in domestic	, Boiling, , F	iltration	
	Necessity of					As contaminated wells (Nos.)	250-300 sha		
	Piped water	Yes				Arsenic contaminated water supply (%)	2		
	Water meter	Yes				Unhygienic drinking water (%)	8		
	Reasons	Not mentioned				% of people using neighbor's well for drinking	4		
		Not mentioned				Problems in non-piped water supply area	Arsenic, iron and saline,		
							ŕ	,	
	Affordability (answered by pourashava staff)				3. F	Potential Water Sources for Non-Pipe	<mark>d</mark> Water Su	ipply System	
	Average household income/month (Tk)	Do not kno	W			Potential water sources	Evaluation	WQ problems	
	Affordability for piped water (Tk/month)	Do not kno	W			Shallow well	None	Mostly saline	
	Affordable price in total household income (%)	Do not kno	W			Deep well	-	-	
2. E	xiting Water Sources in Non-Piped W	Jater Supply Area				Surface water sources	High	Saline	
	Source Nos. of source Drinking (%) Domestic (9		Domestic (%)		Other sources	Yes	-		
	River	1	0	10		Decrease of ground water level			
	Shallow well	550	10	35		Shallow well (m/year)	0.3		
	Deep well	0	0	0		Deep well (m/year)	Not known		
	Ponds	20	10	40					
	Other sources	21	80	15					
	_								

Muksudpur

	акзаарат								
A. I	Pourashava Profile								
	Class	С				Sanitation coverage			
	Division	Dhaka				Latrine with septic tank (%)	10.0	0.0	
	District	Gopalganj			Water sealed slab latrine (%)	85.0			
	Year established	2000				Water-related diseases	Arsenicosis. Di	arrhea, , Typhoid, ,	
	Contact Tel/Fax	06654-563	40. 019248	34040			· ·		
	E-mail		•			Technical staff (Nos.)	1		
	Population (FY2010/2011)	30,000				Financial statements (2010/2011)	0		
	Nos. of households (FY2010/2011)	8,300				Annual budget (Tk)	386,576,532		
	Literacy (%)	86.0				Revenue (Tk)	6,512,000		
	Land area (km²)	17.6				Expenditure (Tk)	5,576,532		
	Residential area (km²)	6.1				Computerization	Rate schedule a	and estimate preparation,	
	Residential area pop. density (persons/ha)	49						logical budget preparation, ,	
	Electricity coverage (%)	40.0				Committee formed			
	Electricity availability (hrs)					TLCC /Frequency of meeting	Yes, 4 months		
	Summer	12				WATSAN/Frequency of meeting	No		
	Winter	16				, , , , , , , , , , , , , , , , , , , ,			
D. I	Non-Piped Water Supply Area								
	lecessity of Piped Water Supply					Main treatment method in domestic	, Boiling, , Filtrat	tion	
	Necessity of					As contaminated wells (Nos.)	3,500		
	Piped water	Yes				Arsenic contaminated water supply (%)	85		
	Water meter	No				Unhygienic drinking water (%)	0		
	Reasons	Cause peor	ole will be in	rill be interested		% of people using neighbor's well for drinking	40		
		to pay fixed amount.				Problems in non-piped water supply area	People are not a	getting safe drinking	
		to pay fixed affiount.					water.(Arsenic),		
	Affordability (answered by pourashava staff)				3. P	Otential Water Sources for Non-Pipe	d Water Suppl	y System	
	Average household income/month (Tk)	10,000				Potential water sources	<u>Evaluation</u>	WQ problems	
	Affordability for piped water (Tk/month)	150				Shallow well	None	Arsenic	
	Affordable price in total household income (%)	1.50				Deep well	High	No problem	
2. E	xiting Water Sources in Non-Piped W	ater Supply	y Area			Surface water sources	Moderate	Inorganic garbage	
	Source Nos. of source Drinking (%) Dor		Domestic (%)		Other sources	No	-		
	River	1	0	10		Decrease of ground water level			
	Shallow well	4,000	95	85		Shallow well (m/year)	1.2		
	Deep well	21	5	5		Deep well (m/year)	1.2		
	Ponds	40	0	0					
	Other sources	0	0	0					

Muladi

IVIUIUUI						**************************************	ed Water Supply System	
A. Pourashava Profile								
Class	A				Sanitation coverage			
Division	Barisal			Latrine with septic tank (%)	5.0			
District	Barisal			Water sealed slab latrine (%)	15.0			
Year established	25/01/2001				Water-related diseases	Arsenicosis, , ,		
Contact Tel/Fax	04326-752						, , , , , , , , , , , , , , , , , , ,	
E-mail	shafiulalem	•	oo.com		Technical staff (Nos.)	20		
Population (FY2010/2011)	25,525				Financial statements (2010/2011)	0		
Nos. of households (FY2010/2011)	3,854				Annual budget (Tk)	14,628,495		
Literacy (%)	69.0				Revenue (Tk)	8,604,377		
Land area (km²)	5.9				Expenditure (Tk)	6.892.887		
Residential area (km²)	3.8				Computerization		ment, Accounting, Trade	
Residential area pop. density (persons/ha)	67					license, Salary payme estimate preparation	ent, Rate schedule and	
Electricity coverage (%)	75.0				Committee formed	estillate preparation	1,,,,	
Electricity availability (hrs)					TLCC /Frequency of meeting	Yes, 3 months		
Summer	14				WATSAN/Frequency of meeting	Yes, 1 month		
Winter	18				, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	·		
D. Non-Piped Water Supply Area								
1. Necessity of Piped Water Supply					Main treatment method in domestic	None, , ,		
Necessity of					As contaminated wells (Nos.)	0		
Piped water	Yes				Arsenic contaminated water supply (%)	N		
Water meter	Yes				Unhygienic drinking water (%)	5		
Reasons	People are	capable an	d as the		% of people using neighbor's well for drinking	90		
	area have pure water source				Problems in non-piped water supply area		for pure drinking water, Water	
	area have pure water source				, , , , , , , , , , , , , , , , , , ,	quality (Fe, As contamir (bacteria)	nation) in shallow wells, Pond water	
Affordability (answered by pourashava staff)				3. F	Potential Water Sources for Non-Pipe		y System	
Average household income/month (Tk)	7,000-8,000	0			Potential water sources	Evaluation	WQ problems	
Affordability for piped water (Tk/month)	100				Shallow well	Moderate	little problem Fe, As	
Affordable price in total household income (%)	1.25-1.43				Deep well	Υ	More than 900 feets is pure water	
2. Exiting Water Sources in Non-Piped W	ater Supply	y Area			Surface water sources	High	Sand and muddy in rainy season	
Source			Domestic (%)		Other sources	No	-	
River	1 0 0			Decrease of ground water level				
Shallow well	253 0 15			Shallow well (m/year)	Not known			
Deep well	2 100 10		Deep well (m/year) Not known					
Ponds	128	0	10					
Other sources	0	0	65					

Nabiganj

Paurachava Profile													
A. Pourashava Profile													
Class	В			Sanitation coverage									
Division	Sylhet			Latrine with septic tank (%)	89.9								
District	Hobiganj			Water sealed slab latrine (%)	1.1								
Year established	1997 (Marc	ch)		Water-related diseases	, Diarrhea, Chole	era, Typhoid, Dysentery,							
Contact Tel/Fax	0883-2561	, 91, 0832-85	6193			. , . , . ,							
E-mail		ura@yahoo		Technical staff (Nos.)	5								
Population (FY2010/2011)	30,746	7		Financial statements (2010/2011)	0								
Nos. of households (FY2010/2011)	4,007			Annual budget (Tk)	44,699,840								
Literacy (%)	88.3			Revenue (Tk)	14,769,540								
Land area (km²)	9.7			Expenditure (Tk)	14,769,540								
Residential area (km²)	1.5			Computerization		ment, Accounting, , Salary							
Residential area pop. density (persons/ha)	204			Computerization		fule and estimate preparation,							
Electricity coverage (%)	89.9			Committee formed	Engineering, Yearly I	ogical budget preparation, ,							
Electricity availability (hrs)	03.3			TLCC /Frequency of meeting	Yes, 3 months								
Summer	21			WATSAN/Frequency of meeting	Yes, onace a year. Last meeting was in the year 2011 (Ocotober)								
Winter	23			WATSAN, Frequency of meeting	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	, , , , , , , , , , , , , , , , , , , ,							
***************************************	23												
D. Non-Piped Water Supply Area													
1. Necessity of Piped Water Supply				Main treatment method in domestic	, Boiling, , Filtrat	ion							
Necessity of				As contaminated wells (Nos.)	Do not know								
Piped water	Yes			Arsenic contaminated water supply (%)	48								
Water meter	No			Unhygienic drinking water (%)	not detected (m	ay be 10%)							
Reasons				% of people using neighbor's well for drinking	40								
				Problems in non-piped water supply area	Health hazard (Fe & As) tubewells is declining d	, The water level in their shallow							
					, and the second	• ,,							
Affordability (answered by pourashava staff)				3. Potential Water Sources for Non-Pipe	d Water Suppl	y System							
Average household income/month (Tk)	22,000			Potential water sources	<u>Evaluation</u>	WQ problems							
Affordability for piped water (Tk/month)	300			Shallow well	None	Fe & As							
Affordable price in total household income (%)	1.36			Deep well	Moderate	No problem							
2. Exiting Water Sources in Non-Piped W	ater Suppl	y Area		Surface water sources	None	humbles, see long, makeud by human summ, man and fall-active many dumpings of accident section the man							
Source	Nos. of source	Drinking (%)	Domestic (%)	Other sources	Yes	-							
River	1	3	10	Decrease of ground water level									
Shallow well	2,097	80	40	Shallow well (m/year)	0.3								
Deep well	30	10	0	Deep well (m/year)	0.5								
Ponds	747	7	50										
Other sources	0	0	0										

Nahinaaar

Nabinagar					With Non-Pipe	ed Water Supply System	
A. Pourashava Profile							
Class	A			Sanitation coverage			
Division	Chittagong			Latrine with septic tank (%)	60.0		
District	Brahmanba	aria		Water sealed slab latrine (%)	35.0		
Year established	12/9/1999			Water-related diseases	Arsenicosis, Diarrhea	a, Cholera, Typhoid, Dysentery,	
Contact Tel/Fax	08525-756	00 / 08525-	75555				
E-mail				Technical staff (Nos.)	3		
Population (FY2010/2011)	50,000			Financial statements (2010/2011)	0		
Nos. of households (FY2010/2011)	5,183			Annual budget (Tk)	47,185,413		
Literacy (%)	76.0			Revenue (Tk)			
Land area (km²)	16.9			Expenditure (Tk)			
Residential area (km²)	7.2			Computerization	, , , , Rate schedule a	and estimate preparation,	
Residential area pop. density (persons/ha)	70				Engineering, , ,		
Electricity coverage (%)	100.0			Committee formed			
Electricity availability (hrs)				TLCC /Frequency of meeting	No		
Summer	22			WATSAN/Frequency of meeting	No		
Winter	22-23						
D. Non-Piped Water Supply Area							
1. Necessity of Piped Water Supply				Main treatment method in domestic	, , , Filtration		
Necessity of				As contaminated wells (Nos.)	Do not know		
Piped water	Yes			Arsenic contaminated water supply (%)	0		
Water meter	Yes			Unhygienic drinking water (%)	Do not know		
Reasons	People are	well establ	ished	% of people using neighbor's well for drinking	40		
				Problems in non-piped water supply area	Water contamination(As, Fe), water pollution, Source problem (deep (Fe), shallow (Fe + As)		
Affordability (answered by pourashava staff)				3. Potential Water Sources for Non-Pipe			
Average household income/month (Tk)	30,000			Potential water sources	<u>Evaluation</u>	WQ problems	
Affordability for piped water (Tk/month)	300			Shallow well	None	Fe, As	
Affordable price in total household income (%)	1.00			Deep well	Moderate	Fe, IRP	
2. Exiting Water Sources in Non-Piped W	1	ĺ		Surface water sources	High	Turbidity, SWTP	
Source	Nos. of source	Drinking (%)	Domestic (%)	Other sources	No	-	
River 2 0		20	Decrease of ground water level				
Shallow well	3,761 80 70			Shallow well (m/year)	Not known		
Deep well	752 20 5			Deep well (m/year)	Not known		
Ponds	0 0 5						
Other sources	0	0	0				

Nachole

1101010									
A. Pourashava Profile									
Class			Sanitation coverage						
Division	Rajshahi				Latrine with septic tank (%)	25.0			
District	Chapai-Nav	wabgonj			Water sealed slab latrine (%)	65.0			
Year established	2004	2004			Water-related diseases	, Diarrhea,	, , Dysentery,		
Contact Tel/Fax	Tel: 07824-56056, Fax: 07824-56056								
E-mail	nachol.pou	ırashava@g	mail.com		Technical staff (Nos.)	6			
Population (FY2010/2011)	24,600	1			Financial statements (2010/2011)	0			
Nos. of households (FY2010/2011)	3,141				Annual budget (Tk)	16,561,463	L		
Literacy (%)	62.0				Revenue (Tk)	9,861,461			
Land area (km²)	21.1				Expenditure (Tk)	11,844,321	L		
Residential area (km²)	8.4				Computerization		gement, Accounting, Trade		
Residential area pop. density (persons/ha)	29				·		nedule and estimate preparation, rly logical budget preparation, ,		
Electricity coverage (%)	65.0				Committee formed	0 0,	,,		
Electricity availability (hrs)					TLCC /Frequency of meeting	eeting Yes, 3 months			
Summer	10			WATSAN/Frequency of meeting No					
Winter	18				, , ,				
D. Non-Piped Water Supply Area									
1. Necessity of Piped Water Supply					Main treatment method in domestic	None, , ,			
Necessity of					As contaminated wells (Nos.)	None			
Piped water	Yes				Arsenic contaminated water supply (%)	0			
Water meter	Yes				Unhygienic drinking water (%)	0			
Reasons	Actual pay t	he bill accord	ding to		% of people using neighbor's well for drinking	50			
	water valun	ne consumed	d.		Problems in non-piped water supply area	Crises of dr	nking water, Not		
						sufficient tu	be wells		
Affordability (answered by pourashava staff)				3. P	Potential Water Sources for Non-Piped	Water Su	pply System		
Average household income/month (Tk)	18,000				Potential water sources	Evaluation	WQ problems		
Affordability for piped water (Tk/month)	(i) No idea,	(ii) People	will pay acco	ordir	Shallow well	Moderate	N		
Affordable price in total household income (%)					Deep well	High	N		
2. Exiting Water Sources in Non-Piped Water Supply Area					Surface water sources	-	-		
Source	Nos. of source	Drinking (%)	Domestic (%)		Other sources	Yes	-		
River	0	0	0		Decrease of ground water level				
Shallow well	650	85	60		Shallow well (m/year)	Not known			
Deep well	75	15	10		Deep well (m/year)	Not known			
Ponds	0	0	30						
Other sources	0	0	0						

Nagalcoat

Nuguicout						tii itoii i ipc	tu water supply system	
A. Pourashava Profile								
Class	С				Sanitation coverage			
Division	Chittagong	nittagong			Latrine with septic tank (%)	50.0		
District	Comilla				Water sealed slab latrine (%)	40.0		
Year established	2002				Water-related diseases	Arsenicosis, Diarr	rhea, Cholera, Typhoid, Dysentery,	
Contact Tel/Fax	08033-6624	40						
E-mail	00000 002				Technical staff (Nos.)	8		
Population (FY2010/2011)	26,896				Financial statements (2010/2011)	0		
Nos. of households (FY2010/2011)	4,965				Annual budget (Tk)	20,084,000	n	
Literacy (%)	60.0				Revenue (Tk)	3,614,624		
Land area (km²)	13.0				Expenditure (Tk)	3,503,188		
Residential area (km²)	3.9				Computerization		ment, Rate schedule and	
Residential area (KIT) Residential area pop. density (persons/ha)	69				Computerization		aration, Engineering, Yearly	
Electricity coverage (%)	100.0				Committee formed	logical budget	preparation, Procurement,	
Electricity coverage (78)	100.0				TLCC /Frequency of meeting	No		
Summer	8				WATSAN/Frequency of meeting	No		
Winter	20				WATSAN, Trequency of meeting	140		
11111001	20							
D. Non-Piped Water Supply Area								
1. Necessity of Piped Water Supply					Main treatment method in domestic	, , , Filtratio	n	
Necessity of					As contaminated wells (Nos.)	220		
Piped water	Yes				Arsenic contaminated water supply (%)	50		
Water meter	Yes				Unhygienic drinking water (%)	37		
Reasons	To minimise waste of water.For				% of people using neighbor's well for drinking	10		
	accurate water reading.				Problems in non-piped water supply area	Arsenic, Iro	n	
Affordability (answered by pourashava staff)				3. F	Potential Water Sources for Non-Pipe	d Water Su		
Average household income/month (Tk)	7,000				Potential water sources	<u>Evaluation</u>		
Affordability for piped water (Tk/month)	300				Shallow well	Moderate	Arsnic	
Affordable price in total household income (%)	4.00				Deep well	High	-	
2. Exiting Water Sources in Non-Piped W	ater Supply	y Area		,	Surface water sources	-	-	
Source	Source Nos. of source Drinking		Domestic (%)		Other sources	No	-	
River 0 0		0		Decrease of ground water level				
Shallow well	4,569	60	30		Shallow well (m/year)	Not known		
Deep well	15	40	20		Deep well (m/year)	Not known		
Ponds	300	0	50					
Other sources	0	0	0					

Nagarkanda

Α	. Pourashava Profile								
	Class	С		Sanitation coverage					
	Division	Dhaka				Latrine with septic tank (%)	with septic tank (%) 30.0		
	District	Faridpur				Water sealed slab latrine (%)	60		
	Year established	1999				Water-related diseases	, Diarrhea,	, Typhoid, Dysentery,	
	Contact Tel/Fax	06327-561	71,017162	75331					
	E-mail					Technical staff (Nos.)	2		
	Population (FY2010/2011)	18,957				Financial statements (2010/2011)	0		
	Nos. of households (FY2010/2011)	8,000				Annual budget (Tk)	90,593,03	6	
	Literacy (%)	95.0				Revenue (Tk)	7,043,000		
	Land area (km²)	7.6				Expenditure (Tk)	6,223,036		
	Residential area (km²)	2.3				Computerization		anagement, , , , Rate schedule preparation, Engineering,	
	Residential area pop. density (persons/ha)	84						oudget preparation,	
	Electricity coverage (%)	100.0				Committee formed			
	Electricity availability (hrs)					TLCC /Frequency of meeting	No		
	Summer	4				WATSAN/Frequency of meeting	No		
	Winter	18							
D	. Non-Piped Water Supply Area								
1.	Necessity of Piped Water Supply					Main treatment method in domestic	, , , Filtratio	n	
	Necessity of					As contaminated wells (Nos.)	65		
	Piped water	Yes				Arsenic contaminated water supply (%)	10		
	Water meter	Yes				Unhygienic drinking water (%)	5		
	Reasons	To collect	actual rever	nue.		% of people using neighbor's well for drinking	25		
						Problems in non-piped water supply area		et safe drinking water, They vater related disease	
	Affordability (answered by pourashava staff)				3. F	Potential Water Sources for Non-Pipe			
	Average household income/month (Tk)	6,000				Potential water sources	Evaluation		
	Affordability for piped water (Tk/month)	150				Shallow well	High	No problem	
	, , , , , , , , , , , , , , , , , , , ,	ordable price in total household income (%)				Deep well	None	Saline,iron	
2.		ter Sources in Non-Piped Water Supply Area				Surface water sources	None	Inorganic material, Town wastage.	
	Source	Nos. of source	Drinking (%)	Domestic (%)		Other sources	No	-	
	River	1	0	10		Decrease of ground water level			
	Shallow well	270	50	65		Shallow well (m/year)	0.45		
	Deep well	40 50 0				Deep well (m/year)	0.45		
	Ponds	0	0	25					
	Other sources	0	0	0					

Nagashwari

IVU	gasnwari					VVII	n Non-Pipe	d Water Supply System	
A. P	ourashava Profile								
C	Class	В				Sanitation coverage			
D	Division	Rangpur				Latrine with septic tank (%)			
D	District	Kurigram				Water sealed slab latrine (%)	82.0		
Y	ear established	2001	01			Water-related diseases	, Diarrhea,	, , Dysentery,	
C	Contact Tel/Fax	Tel: 0582-65	6055 Fax: 05	582-656055					
	E-mail	nagpoura@	gmail.com			Technical staff (Nos.)	8		
Р	opulation (FY2010/2011)	63,598				Financial statements (2010/2011)	0		
N	los. of households (FY2010/2011)	11,562				Annual budget (Tk)	132,133,08	30	
L	iteracy (%)	45.0				Revenue (Tk)	19,133,080		
L	and area (km²)	42.0				Expenditure (Tk)	10,571,437	7	
	Residential area (km²)	18.1				Computerization		nagement, , , , Rate schedule	
	Residential area pop. density (persons/ha)	35						preparation, Engineering, oudget preparation, ,	
E	lectricity coverage (%)	75.0				Committee formed	rearry rogical c	auger preparation, ,	
E	lectricity availability (hrs)					TLCC /Frequency of meeting	Yes, 3 months		
	Summer	14				WATSAN/Frequency of meeting	No		
	Winter	22							
D. N	Ion-Piped Water Supply Area								
1. Ne	ecessity of Piped Water Supply					Main treatment method in domestic	None, , ,		
N	lecessity of					As contaminated wells (Nos.)	0		
	Piped water	Yes	es			Arsenic contaminated water supply (%)	0		
	Water meter	Yes				Unhygienic drinking water (%)	0		
	Reasons	To save the water and to know how much we				% of people using neighbor's well for drinking	37		
		using and accordingly to pay the bill. Meter is required. It will help us to improve the				Problems in non-piped water supply area	Huge iron (I	No data sheet),	
		efficiency of ou		ove the					
Α	Affordability (answered by pourashava staff)	,	•		3. F	Potential Water Sources for Non-Piped	Water Su	pply System	
	Average household income/month (Tk)	8,000				Potential water sources	<u>Evaluation</u>	WQ problems	
	Affordability for piped water (Tk/month)	100				Shallow well	Moderate	Iron	
	Affordable price in total household income (%)	1.25				Deep well	-	-	
2. Ex	iting Water Sources in Non-Piped W	ater Supply	/ Area			Surface water sources	-	-	
	Source Nos. of source		Drinking (%)	Domestic (%)		Other sources	Yes	-	
	River	1	0	0		Decrease of ground water level			
	Shallow well	7,500	100	70		Shallow well (m/year)	4.0		
	Deep well	0	0	0		Deep well (m/year)	1.0		
	Ponds	0	0	20					
	Other sources	0	0	10					

Nakla

, ,	unu							11 / /	
A.	Pourashava Profile								
	Class	С			Sanitation coverage				
	Division	Dhaka				Latrine with septic tank (%) 25.0			
	District	Sherpur				Water sealed slab latrine (%)	35.0		
	Year established	2001				Water-related diseases	, Diarrhea,	, , ,	
	Contact Tel/Fax	09323-752	33						
	E-mail					Technical staff (Nos.)	2		
	Population (FY2010/2011)	36,518				Financial statements (2010/2011)	0		
	Nos. of households (FY2010/2011)	6,400				Annual budget (Tk)	69,225,000)	
	Literacy (%)	60.0				Revenue (Tk)	12,989,480)	
	Land area (km²)	16.4				Expenditure (Tk)	12,375,000)	
	Residential area (km²)	7.4				Computerization		nagement, Accounting, Trade	
	Residential area pop. density (persons/ha)	49						schedule and estimate	
	Electricity coverage (%)	70.0				Committee formed	preparation, , , ,		
	Electricity availability (hrs)					TLCC /Frequency of meeting	Yes, 4 months		
	Summer	12				WATSAN/Frequency of meeting	No		
	Winter	16				, .,,.,,.			
D.	Non-Piped Water Supply Area								
1. [Necessity of Piped Water Supply					Main treatment method in domestic	None, , ,		
	Necessity of					As contaminated wells (Nos.)	0		
	Piped water	Yes				Arsenic contaminated water supply (%)	0		
	Water meter	Yes				Unhygienic drinking water (%)	0		
	Reasons	To reduce i	misuse of w	ater		% of people using neighbor's well for drinking	10		
						Problems in non-piped water supply area	Water layer	decreasing day-by-	
							day.,		
	Affordability (answered by pourashava staff)				3. F	Potential Water Sources for Non-Pipe	d Water Su	pply System	
	Average household income/month (Tk)	10,000				Potential water sources	<u>Evaluation</u>	WQ problems	
	Affordability for piped water (Tk/month)	200				Shallow well	Moderate	No Problem	
	Affordable price in total household income (%)	2.00				Deep well	Moderate	No Problem	
2. E	Exiting Water Sources in Non-Piped Water Supply Area					Surface water sources	-	-	
	Source	Nos. of source	Drinking (%)	Domestic (%)		Other sources	No	-	
	River	0	0	0		Decrease of ground water level			
	Shallow well	6,000 100 100			Shallow well (m/year)	Not known			
	Deep well	0 0 0			Deep well (m/year) Not known				
	Ponds	0 0 0							
	Other sources	0	0	0					

Nalchity

Transfirey							
A. Pourashava Profile							
Class	В				Sanitation coverage		
Division	Barisal				Latrine with septic tank (%) 15.0		
District	Jhalakati				Water sealed slab latrine (%)	80.0	
Year established	1865				Water-related diseases	Arsenicosis	s, , Cholera, Typhoid, ,
Contact Tel/Fax	04953-741	31					
E-mail	nalchitypou	nalchitypouro1865@gmail.com			Technical staff (Nos.)	9	
Population (FY2010/2011)	50,000	_			Financial statements (2010/2011)	0	
Nos. of households (FY2010/2011)	6,761				Annual budget (Tk)	72,920,000)
Literacy (%)	75.0				Revenue (Tk)	72,920,000)
Land area (km²)	24.2				Expenditure (Tk)	69,545,000)
Residential area (km²)	15.7				Computerization		agement, Accounting, Trade
Residential area pop. density (persons/ha)	32				·		hedule and estimate preparation, , dget preparation, ,
Electricity coverage (%)	65.0				Committee formed	, ,	
Electricity availability (hrs)					TLCC /Frequency of meeting	Yes, 3 mor	nths
Summer	10				WATSAN/Frequency of meeting	No	
Winter	20						
D. Non-Piped Water Supply Area							
1. Necessity of Piped Water Supply					Main treatment method in domestic	None, , ,	
Necessity of					As contaminated wells (Nos.)	0	
Piped water	Yes				Arsenic contaminated water supply (%)	0	
Water meter	Yes				Unhygienic drinking water (%)	5	
Reasons	To reduce w	aste of wate	r, Easy to		% of people using neighbor's well for drinking	70	
	pay the bill of water consumed.				Problems in non-piped water supply area	Scarcity of pur	e drinking water., Surface
	pay the sim of water consumed.					water is pollut	ed by human waste.
Affordability (answered by pourashava staff)				3. F	Potential Water Sources for Non-Pipe	d Water Su	ipply System
Average household income/month (Tk)	8,000				Potential water sources	<u>Evaluation</u>	<u>WQ problems</u>
, , , , , , , , , , , , , , , , , , , ,	250				Shallow well	Moderate	Fe, Bad odor, Bacteria
Affordable price in total household income (%)	3.13				Deep well	High	Fe, Mn
 Exiting Water Sources in Non-Piped Water Sup 		y Area			Surface water sources	Moderate	Polluted
Source	Nos. of source	Drinking (%)	Domestic (%)		Other sources	No	-
River	1	0	5		Decrease of ground water level		
Shallow well	275	10	20		Shallow well (m/year)	0.3	
Deep well	324	90	40		Deep well (m/year)	0.2	
Ponds	650	0	35				
Other sources	0	0	0				

Naldanga

_	<u> </u>								
1	A. Pourashava Profile								
П	Class			Sanitation coverage					
П	Division	Rajshahi				Latrine with septic tank (%) 11.0			
П	District	Natore				Water sealed slab latrine (%)	67.0	67.0	
П	Year established	2003				Water-related diseases	, Diarrhea,	, , Dysentery,	
П	Contact Tel/Fax	Tel: 07732-	51044						
П	E-mail					Technical staff (Nos.)	3		
П	Population (FY2010/2011)	17,500				Financial statements (2010/2011)	0		
П	Nos. of households (FY2010/2011)	3,000				Annual budget (Tk)	16,081,872		
П	Literacy (%)	45.0				Revenue (Tk)	3,018,497		
П	Land area (km²)	7.0				Expenditure (Tk)	3,006,653		
П	Residential area (km²)	4.0				Computerization	. Accounting	Salary payment, Rate	
П	Residential area pop. density (persons/ha)	44				·		stimate preparation, , , ,	
П	Electricity coverage (%)	98.0			Committee formed				
П	Electricity availability (hrs)					TLCC /Frequency of meeting	No		
П	Summer	10				WATSAN/Frequency of meeting	No		
П	Winter	18				, , ,			
ı	O. Non-Piped Water Supply Area								
	. Necessity of Piped Water Supply					Main treatment method in domestic	None, , ,		
ı	Necessity of					As contaminated wells (Nos.)	None		
	Piped water	Yes				Arsenic contaminated water supply (%)	0		
	Water meter	Yes				Unhygienic drinking water (%)	0		
	Reasons	It help us for	system develo	pment and		% of people using neighbor's well for drinking	Do not know	v	
		customers pa	y the bill acco	rding to		Problems in non-piped water supply area		insufficient water quality from	
ı		water volumr	ne consumed.				Shallow tube wel & as domestic qu	s wich is not covered the drinking	
	Affordability (answered by pourashava staff)				3. F	Potential Water Sources for Non-Pipe			
	Average household income/month (Tk)	8,000				Potential water sources	Evaluation	WQ problems	
	Affordability for piped water (Tk/month)	100				Shallow well	Moderate	N	
ı	Affordable price in total household income (%)	1.25				Deep well	-	-	
2	2. Exiting Water Sources in Non-Piped W	ater Sources in Non-Piped Water Supply Area				Surface water sources	None	No data	
Г	Source	Nos. of source				Other sources	Yes	-	
ı	River	1	0	10		Decrease of ground water level			
ı	Shallow well	0 100 85				Shallow well (m/year) 14.0			
	Deep well	0 0 0				Deep well (m/year)	Not known		
	Ponds	0	0 0 5						
	Other sources	0	0	0					
			_						

Nandail

TVarraurr						· .		
A. Pourashava Profile								
Class	С				Sanitation coverage			
Division	Dhaka	haka			Latrine with septic tank (%)	54.2		
District	Mymensing	lymensingh			Water sealed slab latrine (%)	28.6		
Year established	1997	997			Water-related diseases	, Diarrhea,	,,,	
Contact Tel/Fax	090296409							
E-mail					Technical staff (Nos.)	4		
Population (FY2010/2011)	50,000				Financial statements (2010/2011)	0		
Nos. of households (FY2010/2011)	6,622				Annual budget (Tk)	46,115,039)	
Literacy (%)	60.0				Revenue (Tk)	11,450,000)	
Land area (km²)	23.0				Expenditure (Tk)	11,415,000)	
Residential area (km²)	15.0				Computerization			
Residential area pop. density (persons/ha)	33				•	,,,,,,,		
Electricity coverage (%)	80.0				Committee formed			
Electricity availability (hrs)					TLCC /Frequency of meeting	Yes, 4 mon	ths	
Summer	8				WATSAN/Frequency of meeting	No		
Winter	10				, , ,			
D. Non-Piped Water Supply Area								
1. Necessity of Piped Water Supply					Main treatment method in domestic	None, , ,		
Necessity of					As contaminated wells (Nos.)	20		
Piped water	Yes				Arsenic contaminated water supply (%)	1		
Water meter	Yes				Unhygienic drinking water (%)	0		
Reasons		r should be	installed		% of people using neighbor's well for drinking	25		
Reasons		Water Meter should be installed and all will pay the bill accordingly.			Problems in non-piped water supply area		er level is decreasing	
	and an win pay the bin accordingly.				robicins in non-pipea water supply area	day-by-day.	· 1	
Affordability (answered by pourashava staff)				3. F	Potential Water Sources for Non-Pipe	Water Su	pply System	
Average household income/month (Tk)	10,000				Potential water sources	Evaluation	WQ problems	
Affordability for piped water (Tk/month)	200				Shallow well	High	-	
Affordable price in total household income (%)	2.00				Deep well	High	-	
2. Exiting Water Sources in Non-Piped W	2. Exiting Water Sources in Non-Piped Water Supply Area				Surface water sources	-	-	
Source	Nos. of source	Drinking (%)	Domestic (%)		Other sources	No	-	
River	0	0	0		Decrease of ground water level			
Shallow well	4,000 100 100			Shallow well (m/year)	Not known			
Deep well	0 0 0			Deep well (m/year)	Not known			
Ponds	0	0	0					
Other sources 0 0 0			0					

Nandigram

A.	Pourashava Profile								
						Sanitation coverage			
	Division	Rajshahi				Latrine with septic tank (%)	30.0		
	District	Bogra	3ogra -			Water sealed slab latrine (%)	60.0		
	Year established	2003 (25-A	2003 (25-Aug-03)			Water-related diseases	, Diarrhea,	, , Dysentery,	
	Contact Tel/Fax	Tel: 05027-	76094						
	E-mail					Technical staff (Nos.)	1		
	Population (FY2010/2011)	16,704				Financial statements (2010/2011)	0		
	Nos. of households (FY2010/2011)	3,950				Annual budget (Tk)	72,269,078	3	
	Literacy (%)	67.0				Revenue (Tk)	14,730,000)	
	Land area (km²)	12.0				Expenditure (Tk)	19,571,000)	
	Residential area (km²)	6.6				Computerization		dule and estimate	
	Residential area pop. density (persons/ha)	25						ngineering, Yearly logical	
	Electricity coverage (%)	75.0			Committee formed budget preparation, ,				
	Electricity availability (hrs)					TLCC /Frequency of meeting	No		
	Summer	14				WATSAN/Frequency of meeting	No		
	Winter	20							
D.	Non-Piped Water Supply Area								
	Necessity of Piped Water Supply					Main treatment method in domestic	None, , ,		
	Necessity of					As contaminated wells (Nos.)	None		
	Piped water	Yes				Arsenic contaminated water supply (%)	0		
	Water meter	Yes				Unhygienic drinking water (%)	5		
	Reasons	(i) Ensure the p	roper use of wa	ter, (ii) To		% of people using neighbor's well for drinking	10		
		identify quantit	•	0. ()		Problems in non-piped water supply area	Some area, iro	n quantity is high, Problem of	
		To estimate wa etc.	ter not billed, (i	v) To save loss		, pp. 1111111111111111111111111111111111	low water tabl	e in dry season	
	Affordability (answered by pourashava staff)				3. F	Potential Water Sources for Non-Piped	Water Su	ipply System	
	Average household income/month (Tk)	6,000				Potential water sources	Evaluation	WQ problems	
	Affordability for piped water (Tk/month)	75				Shallow well	High	Low discharge in summer season	
	Affordable price in total household income (%)	1.25				Deep well	-	-	
2. 1	2. Exiting Water Sources in Non-Piped Water Supply Area				Surface water sources	-	-		
	Source	Nos. of source	Drinking (%)	Domestic (%)		Other sources	No	-	
	River	0 0 0			Decrease of ground water level				
	Shallow well	2,250 100 85			Shallow well (m/year)	0.6			
	Deep well	0 0 0			Deep well (m/year)	Not known			
	Ponds	85 0 15							
	Other sources	0	0	0					

Paikgacha

Pulkyuchu							eu water suppry syster	
A. Pourashava Profile								
Class	С				Sanitation coverage			
Division	Khulna				Latrine with septic tank (%)	40.0		
District	Khulna				Water sealed slab latrine (%)	30.0		
Year established	1997				Water-related diseases	, Diarrhea, ,	, Dysentery, Skin diseases	
Contact Tel/Fax	Tel: 04027-56287							
E-mail	E-mail paikgachamayor@gmail.com				Technical staff (Nos.)	2		
Population (FY2010/2011)	16,321				Financial statements (2010/2011)	0		
Nos. of households (FY2010/2011)	3,030				Annual budget (Tk)	35,766,53	8	
Literacy (%)	76.0	6.0			Revenue (Tk)	8,779,014		
Land area (km²)	2.5				Expenditure (Tk)	8,278,000		
Residential area (km²)	1.4				Computerization	, , , , Rate sche	dule and estimate	
Residential area pop. density (persons/ha)	118				•	preparation, E	ngineering, , ,	
Electricity coverage (%)	95.0				Committee formed			
Electricity availability (hrs)					TLCC /Frequency of meeting	No		
Summer	14				WATSAN/Frequency of meeting	Yes, 3 months		
Winter	18							
D. Non-Piped Water Supply Area								
1. Necessity of Piped Water Supply					Main treatment method in domestic	, , , Filtratio	n	
Necessity of					As contaminated wells (Nos.)	228		
Piped water	Yes				Arsenic contaminated water supply (%)	0		
Water meter	No				Unhygienic drinking water (%)	10		
Reasons	Not applica	able			% of people using neighbor's well for drinking	5		
	Not applicable				Problems in non-piped water supply area	in non-piped water supply area Saline, Iron, Arsenic,		
Affordability (answered by pourashava staff)				3. I	Potential Water Sources for Non-Pipe	<mark>d</mark> Water Sı	upply System	
Average household income/month (Tk)	7,000				Potential water sources	Evaluation	WQ problems	
Affordability for piped water (Tk/month)	150				Shallow well	None	Arsenic, Iron and Saline in many shallow tube wells	
Affordable price in total household income (%)	2.00				Deep well	-	-	
2. Exiting Water Sources in Non-Piped W	ater Suppl	y Area			Surface water sources	High	Salinity	
Source	Nos. of source	Drinking (%)	Domestic (%)		Other sources	Yes	-	
River 0 0 10		10		Decrease of ground water level				
Shallow well	low well 1,200 39 45		45		Shallow well (m/year)	0.5		
Deep well	0 0 0		Deep well (m/year) Not known					
Ponds	150 0 43		43					
Other sources	14	61	2					

Pakundia

A. Pourashava Profile							
Class	С				Sanitation coverage		
Division	Dhaka				Latrine with septic tank (%)	25.0	
District	Kishorganj		1 , , ,		65.0		
Year established	2007	• ,			Water-related diseases	, Diarrhea, , , D	vsentery,
Contact Tel/Fax	942556089						<i>'</i> ''
E-mail					Technical staff (Nos.)	2	
Population (FY2010/2011)	34,600				Financial statements (2010/2011)	0	
Nos. of households (FY2010/2011)	6,993				Annual budget (Tk)	21,161,380	
Literacy (%)	90.0				Revenue (Tk)	8,530,000	
Land area (km²)	13.3				Expenditure (Tk)	6,680,000	
Residential area (km²)	2.7				Computerization		ment, Accounting, , Salary
Residential area pop. density (persons/ha)	130						dule and estimate preparation, ogical budget preparation,
Electricity coverage (%)	20.0				Committee formed	Eligilieelilig, really i	ogical budget preparation,
Electricity availability (hrs)	20.0				TLCC /Frequency of meeting	Yes, 3 months	
Summer	12				WATSAN/Frequency of meeting	Yes, 1 month	
Winter	18				, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	· ·	
D. Non-Piped Water Supply Area							
1. Necessity of Piped Water Supply					Main treatment method in domestic	, Boiling, , Filtrat	ion
Necessity of					As contaminated wells (Nos.)	50	
Piped water	Yes				Arsenic contaminated water supply (%)	20	
Water meter	Yes				Unhygienic drinking water (%)	20	
Reasons	- To save wat	er and reduce	waste in		% of people using neighbor's well for drinking	50	
	household.				Problems in non-piped water supply area	Arsenic,	
	-The inhabita	nt need water	r, so they pay				
Affordability (answered by pourashava staff)	RIII			3. F	Potential Water Sources for Non-Pipe	d Water Suppl	y System
Average household income/month (Tk)	5,000				Potential water sources	Evaluation	WQ problems
Affordability for piped water (Tk/month)	100				Shallow well	None	Arsenic
Affordable price in total household income (%)	2.00				Deep well	High	No problem
2. Exiting Water Sources in Non-Piped W	Exiting Water Sources in Non-Piped Water Supply Area				Surface water sources	-	-
Source	Source Nos. of source Drinking (%) Domestic (%		Domestic (%)		Other sources	No	-
River	0	0	0		Decrease of ground water level		
Shallow well	200	80	60		Shallow well (m/year)	0.3	
Deep well	2 5 5		Deep well (m/year) 0.5		0.5		
Ponds	40 10 25						
Other sources	103	5	10				

Palashbari

Pulustibuti						with won ripe	ed Water Supply System	
A. Pourashava Profile								
Class	С				Sanitation coverage			
Division	Rangpur				Latrine with septic tank (%)	No data		
District	Gaibandha			Water sealed slab latrine (%)	No data			
Year established	2011			Water-related diseases	, Diarrhea, , , D	vsenterv.		
Contact Tel/Fax	Tel: 05424-	-56001					<i>'</i> ''	
E-mail					Technical staff (Nos.)	No data		
Population (FY2010/2011)	No data fro	m Pourash	ava		Financial statements (2010/2011)	0		
Nos. of households (FY2010/2011)	No data fro	m Pourash	ava		Annual budget (Tk)	No statement du	e to recent establishment	
Literacy (%)	No data fro	m Pourash	ava		Revenue (Tk)	No statement du	e to recent establishment	
Land area (km²)	No decision	n vet regard	ling area.		Expenditure (Tk)	No statement du	e to recent establishment	
Residential area (km²)	No decision	, .	•		Computerization			
Residential area pop. density (persons/ha)	-	,	0			,,,,,,,		
Electricity coverage (%)	75.0				Committee formed			
Electricity availability (hrs)					TLCC /Frequency of meeting	No		
Summer	18			WATSAN/Frequency of meeting		No		
Winter	20				, .,,			
D. Non-Piped Water Supply Area								
1. Necessity of Piped Water Supply					Main treatment method in domestic	None, , ,		
Necessity of					As contaminated wells (Nos.)	No data		
Piped water	No				Arsenic contaminated water supply (%)	Do not know		
Water meter	No				Unhygienic drinking water (%)	Do not know		
Reasons					% of people using neighbor's well for drinking	Do not know		
ricusoris					Problems in non-piped water supply area		depth of hand pump is	
					readilities in non pipea mater supply area	not sufficient	septir or riana pamp is	
Affordability (answered by pourashava staff)				3. F	Potential Water Sources for Non-Pipe	Water Supply	v Svstem	
Average household income/month (Tk)	5,000				Potential water sources	Evaluation	WQ problems	
Affordability for piped water (Tk/month)	100				Shallow well	High	0	
Affordable price in total household income (%)	2.00				Deep well	-	0	
2. Exiting Water Sources in Non-Piped W	ater Suppl	y Area			Surface water sources	-	0	
Source	Nos. of source	Drinking (%)	Domestic (%)		Other sources	No	0	
River	No data	No data	0		Decrease of ground water level			
Shallow well	No data	No data	0		Shallow well (m/year)	0.1		
Deep well	No data	No data	0		Deep well (m/year)	0.0		
Ponds	No data	No data	0					
Other sources	No data	No data	0					

Panchbibi

1 011101101										
A. Pourashava Profile										
Class				Sanitation coverage						
Division	Rajshahi				Latrine with septic tank (%)	20.0				
District	Joypurhat	oypurhat			Water sealed slab latrine (%)					
Year established	1998 (27th	.998 (27th August)			Water-related diseases	, Diarrhea,	, , Dysentery,			
Contact Tel/Fax	Tel: 05724-	75200								
E-mail					Technical staff (Nos.)	7				
Population (FY2010/2011)	40,241				Financial statements (2010/2011)	0				
Nos. of households (FY2010/2011)	5,500				Annual budget (Tk)	89,272,494	1			
Literacy (%)	90.0				Revenue (Tk)	21,196,756	5			
Land area (km²)	10.0				Expenditure (Tk)	19,684,963	3			
Residential area (km²)	4.0				Computerization		dule and estimate			
Residential area pop. density (persons/ha)	101						ngineering, Yearly logical ation, Procurement,			
Electricity coverage (%)	100.0				Committee formed	buuget prepar	ation, Procurement,			
Electricity availability (hrs)					TLCC /Frequency of meeting	Yes, 3 months				
Summer	10				WATSAN/Frequency of meeting No					
Winter	20				, .,, .,,,					
D. Non-Piped Water Supply Area										
1. Necessity of Piped Water Supply					Main treatment method in domestic	None, , ,				
Necessity of					As contaminated wells (Nos.)	None				
Piped water	Yes				Arsenic contaminated water supply (%)	0				
Water meter	Yes				Unhygienic drinking water (%)	1				
Reasons	(i) Ensure the p	roper use of wa	ter, (ii) To		% of people using neighbor's well for drinking	10				
	identify quantit To estimate wa				Problems in non-piped water supply area	Little iron in	some area, Problem of low			
	etc.	ter not billed, (i	v) 10 save loss			water table i	n dry season			
Affordability (answered by pourashava staff)				3. I	Potential Water Sources for Non-Piped	Water Su	pply System			
Average household income/month (Tk)	15,000				Potential water sources	Evaluation	WQ problems			
Affordability for piped water (Tk/month)	200				Shallow well	High	None			
Affordable price in total household income (%)	Affordable price in total household income (%) 1.33			Deep well	-	-				
. Exiting Water Sources in Non-Piped Water Supply Area			Surface water sources	Moderate	No data					
Source	Nos. of source	Drinking (%)	Domestic (%)		Other sources	No	-			
River	1	0	0		Decrease of ground water level					
Shallow well	5,500 100 60		Shallow well (m/year) 0.6							
Deep well	0 0 0			Deep well (m/year)	Not known					
Ponds	60 0 40									
Other sources	0	0	0							

Parsuram

A. Pourashava Profile								
Class	С				Sanitation coverage			
Division	Chittagong				Latrine with septic tank (%)	15.0		
District	Feni				Water sealed slab latrine (%)	40.0		
Year established	2001				Water-related diseases	, Diarrhea,	, Typhoid, ,	
Contact Tel/Fax	03324-56151							
E-mail	www.paras	huram-muni	icipality.org		Technical staff (Nos.)	3		
Population (FY2010/2011)	35,505				Financial statements (2010/2011)	0		
Nos. of households (FY2010/2011)	5,592				Annual budget (Tk)	84,500,000)	
Literacy (%)	70.0				Revenue (Tk)	15,308,659)	
Land area (km²)	22.4				Expenditure (Tk)	14,970,000)	
Residential area (km²)	2.3				Computerization		agement, Accounting, , , Rate	
Residential area pop. density (persons/ha)	155						imate preparation, Engineering, dget preparation, Procurement,	
Electricity coverage (%)	80.0				Committee formed			
Electricity availability (hrs)					TLCC /Frequency of meeting	Yes, 3 mor	iths	
Summer	11				WATSAN/Frequency of meeting	Yes, 1 month		
Winter	16							
D. Non-Piped Water Supply Area								
1. Necessity of Piped Water Supply					Main treatment method in domestic	None, , ,		
Necessity of					As contaminated wells (Nos.)	Do not kno	W	
Piped water	Yes				Arsenic contaminated water supply (%)	Do not kno	N	
Water meter	Yes				Unhygienic drinking water (%)	10		
Reasons	In water mete	er system peo	ple will pay		% of people using neighbor's well for drinking	10		
	what they use. In this system no amount				Problems in non-piped water supply area	Iron Contar	nination, Water is not	
	of water will misused.					clean.		
Affordability (answered by pourashava staff)				3. F	Potential Water Sources for Non-Pipe	Water Su	pply System	
Average household income/month (Tk)	7,000				Potential water sources	Evaluation	WQ problems	
Affordability for piped water (Tk/month)	300				Shallow well	Moderate	Iron, Turbidity	
Affordable price in total household income (%)	4.28				Deep well	Moderate		
2. Exiting Water Sources in Non-Piped W	. Exiting Water Sources in Non-Piped Water Supply Area				Surface water sources	Moderate	Turbidity	
Source Nos. of source Drinking (%) Domestic (%)			Other sources	No	-			
River 3 0 5				Decrease of ground water level				
Shallow well								
Deep well	250 40 30		Deep well (m/year) Not known					
Ponds	275 0 20							
Other sources 3 0 5			5					

Patgram

ratgram								
A. Pourashava Profile								
Class					Sanitation coverage			
Division	Rangpur				Latrine with septic tank (%) 35.0			
District	Lalminirhat				Water sealed slab latrine (%)	35.0		
Year established	1999				Water-related diseases	. Diarrhea.	, , Dysentery,	
Contact Tel/Fax	Tel: 0592-5	56363				, ,	,, , , , , , , , , , , , , , , , , , , ,	
E-mail					Technical staff (Nos.)	7		
Population (FY2010/2011)	31,000				Financial statements (2010/2011)	0		
	5,100				Annual budget (Tk)	21,454,600)	
Literacy (%)	85.0				Revenue (Tk)	21,454,600		
Land area (km²)	13.1				Expenditure (Tk)	18,546,600		
Residential area (km²)	6.5				Computerization	Holding tax manage	ement, Accounting, Trade license, , Rate	
` '	47				Compared Leation		ate preparation, Engineering, Yearly aration, Procurement,	
Electricity coverage (%)	40.0				Committee formed		, ,	
Electricity availability (hrs)	10.0				TLCC /Frequency of meeting	Yes, 3 months		
Summer	17				WATSAN/Frequency of meeting	Yes, 3 months		
Winter	20				WATSAWITEQUENCY OF INCCURS	103, 3 11101	10113	
D. Non-Piped Water Supply Area	20							
1. Necessity of Piped Water Supply					Main treatment method in domestic	None, , ,		
Necessity of Piped Water Supply Necessity of					As contaminated wells (Nos.)	0		
Piped water	Voc				` ,			
'	Yes Yes				Arsenic contaminated water supply (%)	0		
Water meter	- To calculate th	o rovenue of w	ator		Unhygienic drinking water (%)	2 5		
Reasons	- Ensure the pro				% of people using neighbor's well for drinking	-	The death of	
	- Leakage and p	roblem identify	and solution		Problems in non-piped water supply area		e area, The depth of is not enough	
Afficial de literat				2 .	Data at a late a Comment of the Disco		· ·	
Affordability (answered by pourashava staff)	0.000			3. F	Potential Water Sources for Non-Piped Potential water sources	Evaluation	WQ problems	
	8,000							
	200				Shallow well	High	Iron is some area	
	2.30				Deep well	-	-	
2. Exiting Water Sources in Non-Piped Water Supply Area		1	Surface water sources	-	-			
Source	Nos. of source	Drinking (%)	Domestic (%)	-	Other sources	No	-	
River			0		Decrease of ground water level			
Shallow well	5,500 100 90			Shallow well (m/year)	0.3			
Deep well	0 0 0			Deep well (m/year)	Not known			
Ponds	200	0	10					
Other sources	0	0	0					

Patia

A. Pourashava Profile							
Class	A				Sanitation coverage		
Division	Chittagong				Latrine with septic tank (%)	40.0	
District	Chittagong				Water sealed slab latrine (%)	30.0	
Year established	1990				Water-related diseases	, Diarrhea, ,	Typhoid, Dysentery,
Contact Tel/Fax	03035-565	24					
E-mail		ashava@ya	hoo.com		Technical staff (Nos.)	10	
Population (FY2010/2011)	50,120				Financial statements (2010/2011)	0	
Nos. of households (FY2010/2011)	12,000				Annual budget (Tk)	112,796,00)
Literacy (%)	64.5				Revenue (Tk)	22,895,000	
Land area (km²)	10.4				Expenditure (Tk)	20,799,000	
Residential area (km²)	5.2				Computerization		agement, Accounting, Trade ayment, Rate schedule and
Residential area pop. density (persons/ha)	97						ation, Engineering, , ,
Electricity coverage (%)	100.0				Committee formed		,
Electricity availability (hrs)					TLCC /Frequency of meeting	Yes, 4 mont	hs
Summer	8				WATSAN/Frequency of meeting	Yes, 4 months	
Winter	12						
D. Non-Piped Water Supply Area							
1. Necessity of Piped Water Supply					Main treatment method in domestic	, Boiling, , Fil	tration
Necessity of					As contaminated wells (Nos.)	No	
Piped water	Yes				Arsenic contaminated water supply (%)	No	
Water meter	Yes				Unhygienic drinking water (%)	5	
Reasons	To use supply water perpectly and				% of people using neighbor's well for drinking	10	
Reasons	control misuse of waterand revenue				Problems in non-piped water supply area	Ironic. Shallo	w wells are
	income.				Troblems in non-piped water supply area	,	d by human waste.
Affordability (answered by pourashava staff)				3. F	Potential Water Sources for Non-Pipe		' I
Average household income/month (Tk)	10,000			٠	Potential water sources	Evaluation	WQ problems
Affordability for piped water (Tk/month)	400				Shallow well	Moderate I	
Affordable price in total household income (%)	4.00				Deep well		e, Mn
2. Exiting Water Sources in Non-Piped W	ater Supply	v Area			Surface water sources	Moderate I	·
Source			Domestic (%)		Other sources	Yes -	
River	0	0	0		Decrease of ground water level		
Shallow well	100	20	80		Shallow well (m/year)	1.0	
Deep well	310	70	0		Deep well (m/year)	0.5	
Ponds	100 0 20						
Other sources	0	10	0				

Phulpur

THAIPAI								
A. Pourashava Profile								
Class	В				Sanitation coverage			
Division	Dhaka				Latrine with septic tank (%)	35.0		
District	Mymenghi	ng			Water sealed slab latrine (%)	55.0		
Year established	2001				Water-related diseases	, Diarrhea,	,,,	
Contact Tel/Fax	090335617	7						
E-mail	pangkajpau	ıl@yahoo.c	om		Technical staff (Nos.)	5		
Population (FY2010/2011)	31,700				Financial statements (2010/2011)	0		
Nos. of households (FY2010/2011)	4,230				Annual budget (Tk)	60,312,692	2	
Literacy (%)	75.0				Revenue (Tk)	17,312,692	2	
Land area (km²)	10.1				Expenditure (Tk)	58,803,000)	
Residential area (km²)	4.8				Computerization		ment, Rate schedule and	
Residential area pop. density (persons/ha)	66						aration, Engineering, Yearly preparation, Procurement,	
Electricity coverage (%)	30.0				Committee formed	logical buuget	preparation, Procurement,	
Electricity availability (hrs)					TLCC /Frequency of meeting	No		
Summer	18				WATSAN/Frequency of meeting	Yes, 3 mor	nths	
Winter	22							
D. Non-Piped Water Supply Area								
1. Necessity of Piped Water Supply					Main treatment method in domestic	None, , ,		
Necessity of					As contaminated wells (Nos.)	0		
Piped water	Yes				Arsenic contaminated water supply (%)	0		
Water meter	Yes				Unhygienic drinking water (%)	20		
Reasons	To control	mis use of v	vater.		% of people using neighbor's well for drinking	60		
					Problems in non-piped water supply area	Arsenic, Iron (Fe), Bacteria		
					p.p	, .	(- //	
Affordability (answered by pourashava staff)				3. F	Potential Water Sources for Non-Piped	Water Su	ipply System	
Average household income/month (Tk)	16,000				Potential water sources	Evaluation	WQ problems	
Affordability for piped water (Tk/month)	According t	o bill			Shallow well	High	No problem	
Affordable price in total household income (%)	1.50				Deep well	High	No problem	
2. Exiting Water Sources in Non-Piped W	ater Suppl	y Area			Surface water sources	-	-	
Source	Nos. of source	Drinking (%)	Domestic (%)		Other sources	No	-	
River	0	0	0		Decrease of ground water level			
Shallow well	3,712	75	75		Shallow well (m/year)	Not known		
Deep well	10	20	20		Deep well (m/year)	Not known		
Ponds	0	5	0					
Other sources	0	0	5					
		_						

Pirganj

riiguiij	FIT GUTT											
A. Pourashava Profile												
Class	В				Sanitation coverage							
Division	Rangpur				Latrine with septic tank (%)	92.0						
District	Thakurgaon				Water sealed slab latrine (%)	2.0						
Year established	1989				Water-related diseases	, Diarrhea, Cholera, Typhoid, Dysente						
Contact Tel/Fax	Tel: 05624-	56206										
E-mail	pirganjpou	rashava@ya	ahoo.com		Technical staff (Nos.)	5						
Population (FY2010/2011)	27,112	- ,			Financial statements (2010/2011)	0						
Nos. of households (FY2010/2011)	6,447				Annual budget (Tk)	9,550,000						
Literacy (%)	70.5				Revenue (Tk)	6,598,208						
Land area (km²)	16.7				Expenditure (Tk)	6,214,119						
Residential area (km²)	3.8				Computerization	Rate sche	dule and estimate					
Residential area pop. density (persons/ha)	71					preparation, E						
Electricity coverage (%)	75.0				Committee formed							
Electricity availability (hrs)					TLCC /Frequency of meeting	Yes, 6 months						
Summer	5				WATSAN/Frequency of meeting	No						
Winter	18				, , ,							
D. Non-Piped Water Supply Area												
1. Necessity of Piped Water Supply					Main treatment method in domestic	None, , ,						
Necessity of					As contaminated wells (Nos.)	0						
Piped water	Yes				Arsenic contaminated water supply (%)	0						
Water meter	No				Unhygienic drinking water (%)	10						
Reasons	Non metered co	onnection will b	e easy for		% of people using neighbor's well for drinking	0						
	paying bill. Peo				Problems in non-piped water supply area		hand tube well, Not available,					
	system once th water supply.	ey feel the adva	intage of piped			water in hand t	ube well in dry season.					
Affordability (answered by pourashava staff)	пасст заррту.			3. F	Potential Water Sources for Non-Pipe	Water Su	pply System					
Average household income/month (Tk)	8,000				Potential water sources	Evaluation	WQ problems					
Affordability for piped water (Tk/month)	200				Shallow well	High	Iron					
Affordable price in total household income (%)	2.50				Deep well	High	Iron					
2. Exiting Water Sources in Non-Piped W	ater Supply	y Area			Surface water sources	Moderate	Bacteria in water					
Source	Nos. of source	Drinking (%)	Domestic (%)		Other sources	No	-					
River	0	0	0		Decrease of ground water level							
Shallow well	3,126	100	100		Shallow well (m/year)	0.5						
Deep well	0	0	0		Deep well (m/year)	1.0						
Ponds	0	0	0									
Other sources	0	0	0									

Puthia

A. Pourashava Profile Class C Sanitation coverage Division Rajshahi Latrine with septic tank (%) 20.0 District Rajshahi Water sealed slab latrine (%) 55.0		
Division Rajshahi Latrine with septic tank (%) 20.0 District Rajshahi Water sealed slab latrine (%) 55.0		
District Rajshahi Water sealed slab latrine (%) 55.0		
W	55.0	
Year established 2001 Water-related diseases , Diarrhea, , , Dyser	itery,	
Contact Tel/Fax Tel: 077228-56287		
E-mail None Technical staff (Nos.) 5		
Population (FY2010/2011) 21,582 Financial statements (2010/2011) 0		
Nos. of households (FY2010/2011) 4,881 Annual budget (Tk) 42,432,326		
Literacy (%) 79.0 Revenue (Tk) 5,840,677		
Land area (km²) 13.5 Expenditure (Tk) 5,604,000		
Residential area (km²) 9.5 Computerization ,, Trade license, , Rate sch	iedule and	
Residential area pop. density (persons/ha) 23 estimate preparation, Eng	ineering, , ,	
Electricity coverage (%) 100.0 Committee formed		
Electricity availability (hrs) TLCC /Frequency of meeting Yes, 3 months		
Summer 10 WATSAN/Frequency of meeting No		
Winter 18		
D. Non-Piped Water Supply Area		
1. Necessity of Piped Water Supply Main treatment method in domestic None, , ,		
Necessity of As contaminated wells (Nos.) None		
Piped water Yes Arsenic contaminated water supply (%) 0		
Water meter Yes Unhygienic drinking water (%) No data		
Reasons (1) For accuracy of actual bill preparation for the % of people using neighbor's well for drinking 30		
consumers (2) Reduce of waste water (3) System of meters is customers pay the bill accordingly to water Problems in non-piped water supply area ,		
volume consumed.		
Affordability (answered by pourashava staff) 3. Potential Water Sources for Non-Piped Water Supply Sy	stem	
Average household income/month (Tk) 15,000 Potential water sources <u>Evaluation</u> <u>WQ</u>	<u>problems</u>	
Affordability for piped water (Tk/month) (i) No idea, (ii) People will pay acco <mark>rdit</mark> Shallow well Modereate Fe		
Affordable price in total household income (%) 0.00 Deep well -		
2. Exiting Water Sources in Non-Piped Water Supply Area Surface water sources -		
Source Nos. of source Drinking (%) Domestic (%) Other sources Yes		
River 0 0 Decrease of ground water level		
Shallow well 2,800 100 85 Shallow well (m/year) 2.5		
Deep well 0 0 Deep well (m/year) Not known		
Ponds 0 0 15		

Ramgati

Numguti						торс	a water supply system
A. Pourashava Profile							
Class	С				Sanitation coverage		
Division	Chittagong				Latrine with septic tank (%)	10.0	
District	Lakshmipur				Water sealed slab latrine (%)	70.0	
Year established	2000				Water-related diseases	Arsenicosis	s, , , , Dysentery,
Contact Tel/Fax	03823-562	87					
E-mail	ramgotipou	ura@yahoo	.com		Technical staff (Nos.)	4	
Population (FY2010/2011)	35,000	٠,			Financial statements (2010/2011)	0	
Nos. of households (FY2010/2011)	5,087				Annual budget (Tk)	30,897,385	5
Literacy (%)	62.0				Revenue (Tk)	4,398,929	
Land area (km²)	11.8				Expenditure (Tk)	4,976,456	
Residential area (km²)	5.9				Computerization	, , , , Rate sche	dule and estimate
Residential area pop. density (persons/ha)	59					preparation, E	
Electricity coverage (%)	90.0				Committee formed		
Electricity availability (hrs)					TLCC /Frequency of meeting	No	
Summer	6				WATSAN/Frequency of meeting	No	
Winter	10						
D. Non-Piped Water Supply Area							
1. Necessity of Piped Water Supply					Main treatment method in domestic	, , , Filtratio	n
Necessity of					As contaminated wells (Nos.)	Do not know	N
Piped water	Yes				Arsenic contaminated water supply (%)	Do not know	N
Water meter	Yes				Unhygienic drinking water (%)	0	
Reasons	To prevent v	wastage of w	ater and to		% of people using neighbor's well for drinking	30	
	assess exact	volume of v	vater		Problems in non-piped water supply area	Iron, Arsenic	
	consumed.						
Affordability (answered by pourashava staff)				3. F	Potential Water Sources for Non-Piped	Water Su	pply System
Average household income/month (Tk)	10,000				Potential water sources	Evaluation	WQ problems
	150				Shallow well	Moderate	Iron, Arsenic
Affordable price in total household income (%)	1.50				Deep well	High	No
2. Exiting Water Sources in Non-Piped W	ater Supply	y Area			Surface water sources	-	-
Source	Nos. of source	Drinking (%)	Domestic (%)		Other sources	No	-
River	0	0	0		Decrease of ground water level		
Shallow well	3,000	60	39		Shallow well (m/year)	Not known	
Deep well	200	40	10		Deep well (m/year)	Not known	
Ponds	1,000	0	50				
Other sources	2	0	1				

Rangunia

A. Pourashava Profile								
Class	В				Sanitation coverage			
Division	Chittagong				Latrine with septic tank (%)	30.0		
District	Chittagong				Water sealed slab latrine (%)	40.0		
Year established	2000				Water-related diseases	, Diarrhea,	, Typhoid, Dysentery,	
Contact Tel/Fax	03025-560	72						
E-mail					Technical staff (Nos.)	9		
Population (FY2010/2011)	53,035				Financial statements (2010/2011)	0		
Nos. of households (FY2010/2011)	4,713				Annual budget (Tk)	53,280,000		
Literacy (%)	70.0				Revenue (Tk)	9,018,263		
Land area (km²)	8.0				Expenditure (Tk)	9,200,747		
Residential area (km²)	2.4				Computerization		agement, Accounting, Trade	
Residential area pop. density (persons/ha)	221						nedule and estimate preparation, rly logical budget preparation, ,	
Electricity coverage (%)	70.0				Committee formed			
Electricity availability (hrs)					TLCC /Frequency of meeting	Yes, 3 mon	iths	
Summer	6				WATSAN/Frequency of meeting	Yes, 6 mon	iths	
Winter	10							
D. Non-Piped Water Supply Area								
1. Necessity of Piped Water Supply					Main treatment method in domestic	, , , Filtratio	n	
Necessity of					As contaminated wells (Nos.)	0		
Piped water	Yes				Arsenic contaminated water supply (%)	0		
Water meter	Yes				Unhygienic drinking water (%)	50		
Reasons	To prevent	from wasti	ng water		% of people using neighbor's well for drinking	20		
					Problems in non-piped water supply area	Contain some iron in water,		
Affordability (answered by pourashava staff)				3. F	Potential Water Sources for Non-Piped	Water Su	pply System	
Average household income/month (Tk)	7,000				Potential water sources	<u>Evaluation</u>	WQ problems	
Affordability for piped water (Tk/month)	210				Shallow well	Moderate	May be some iron in water	
Affordable price in total household income (%)	3.00				Deep well	High	May be some iron in water	
2. Exiting Water Sources in Non-Piped W	ater Suppl	y Area		,	Surface water sources	High	No problem	
Source	Nos. of source	Drinking (%)	Domestic (%)		Other sources	No	-	
River	1	0	10		Decrease of ground water level			
Shallow well	380	80	50		Shallow well (m/year)	0.3		
Deep well	60	20	0		Deep well (m/year)	0.2		
Ponds	90	0	40					
Other sources	0	0	0					

Ranisankail

/10	umsumkum						iii iioii i ipe	a water supply system	
A.	Pourashava Profile								
	Class	С				Sanitation coverage			
	Division	Rangpur				Latrine with septic tank (%)	40.0		
	District	Thakurgaon				Water sealed slab latrine (%)	30.0		
	Year established	2004				Water-related diseases	, Diarrhea,	, , Dysentery,	
	Contact Tel/Fax	Tel: 05624-	56047					,	
	E-mail	ranisankailp	ourashava@	yahoo.com		Technical staff (Nos.)	3		
	Population (FY2010/2011)	21,348				Financial statements (2010/2011)	0		
	Nos. of households (FY2010/2011)	3,533				Annual budget (Tk)	4,721,991		
	Literacy (%)	85.0				Revenue (Tk)	3,562,988		
	Land area (km²)	10.0				Expenditure (Tk)	4,070,216		
	Residential area (km²)	6.0				Computerization		nent, Rate schedule and	
	Residential area pop. density (persons/ha)	36						aration, Engineering, Yearly preparation, Procurement,	
	Electricity coverage (%)	90.0				Committee formed	Togical buaget	preparation, riocarement,	
	Electricity availability (hrs)					TLCC /Frequency of meeting	Yes, 6 months		
	Summer	5				WATSAN/Frequency of meeting	Yes, 6 months		
	Winter	15							
D.	Non-Piped Water Supply Area								
1. 1	Necessity of Piped Water Supply					Main treatment method in domestic	None, , ,		
	Necessity of					As contaminated wells (Nos.)	0		
	Piped water	Yes				Arsenic contaminated water supply (%)	0		
	Water meter	No				Unhygienic drinking water (%)	0		
	Reasons	Even lot of Po	ourashava wit	h piped line		% of people using neighbor's well for drinking	0		
		system has fla	at rate if tariff.			Problems in non-piped water supply area	Few water available in hand tube		
								season.,	
	Affordability (answered by pourashava staff)				3. F	Potential Water Sources for Non-Piped	Water Su		
	Average household income/month (Tk)	10,000				Potential water sources	Evaluation	WQ problems	
	Affordability for piped water (Tk/month)	200				Shallow well	High	No problem	
	Affordable price in total household income (%)	2.00				Deep well	High	No problem	
2. 1	Exiting Water Sources in Non-Piped W	ater Suppl	y Area			Surface water sources		Polluted in dry season	
	Source	Nos. of source	Drinking (%)	Domestic (%)		Other sources	No	-	
	River	0	0	0		Decrease of ground water level			
	Shallow well	3,000	100	100		Shallow well (m/year)	2/3 m up-d		
	Deep well	0	0	0		Deep well (m/year)	2/3 m up-d	own	
	Ponds	0	0	0					
	Other sources	0	0	0					

Rawjan

A. Pourashava Profile								
Class	В				Sanitation coverage			
Division	Chittagong				Latrine with septic tank (%)	26.0		
District	Chittagong				Water sealed slab latrine (%)	18.0		
Year established	1998	1998			Water-related diseases	, Diarrhea, , Typhoid, Dysenter		
Contact Tel/Fax	03026-560	24						
E-mail					Technical staff (Nos.)	9		
Population (FY2010/2011)	80,000				Financial statements (2010/2011)	0		
Nos. of households (FY2010/2011)	12,000				Annual budget (Tk)	192,500,00	00	
Literacy (%)	75.0				Revenue (Tk)	22,361,094		
Land area (km²)	41.8				Expenditure (Tk)	25,700,503	3	
Residential area (km²)	6.6				Computerization		ement, Accounting, Trade license, Salary	
Residential area pop. density (persons/ha)	121					Engineering, Yearly	logical budget preparation,	
Electricity coverage (%)	95.0				Committee formed	Procurement.		
Electricity availability (hrs)					TLCC /Frequency of meeting	Yes, 3 mon	iths	
Summer	5				WATSAN/Frequency of meeting	Yes, 3 mon		
Winter	12				, , , , , , , , , , , , , , , , , , , ,	,		
D. Non-Piped Water Supply Area								
1. Necessity of Piped Water Supply					Main treatment method in domestic	, , , Filtratio	n	
Necessity of					As contaminated wells (Nos.)	0		
Piped water	Yes				Arsenic contaminated water supply (%)	0		
Water meter	Yes				Unhygienic drinking water (%)	Do not know	w	
Reasons	To prevent	misuses of w	ater. User		% of people using neighbor's well for drinking	Do not know	w	
	or consume	r can get acc	urate water		Problems in non-piped water supply area	Insufficient number of tubewells, Water		
	bill.					contains some	percentage of iron.	
Affordability (answered by pourashava staff)				3. P	Potential Water Sources for Non-Piped	Water Su	pply System	
Average household income/month (Tk)	9,000				Potential water sources	Evaluation	WQ problems	
Affordability for piped water (Tk/month)	360				Shallow well	Moderate	Contain Iron	
Affordable price in total household income (%)	4.00				Deep well	High	Contain Iron	
2. Exiting Water Sources in Non-Piped W	ater Suppl	y Area			Surface water sources	Moderate	It is sweet water(Portabl water)	
Source	Nos. of source	Drinking (%)	Domestic (%)		Other sources	Yes	-	
River	1	0	10		Decrease of ground water level			
Shallow well	675	60	15		Shallow well (m/year)	0.3		
Deep well	18	38	3		Deep well (m/year)	0.2		
Ponds	90	0	71					
Other sources	10	2	1					

Raypura

	ypura							ed Water Supply System	
A. P	Pourashava Profile								
(Class	С				Sanitation coverage			
Г	Division	Dhaka				Latrine with septic tank (%)	15.0		
Г	District	Narashingdi				Water sealed slab latrine (%)	20.0		
1	Year established	2005				Water-related diseases	, Diarrhea,	, , Dysentery,	
(Contact Tel/Fax	06255-5630	00, 0171114	18675					
	E-mail					Technical staff (Nos.)	3		
F	Population (FY2010/2011)	51,000				Financial statements (2010/2011)	0		
	Nos. of households (FY2010/2011)	7,150				Annual budget (Tk)	96,575,000	0	
	Literacy (%)	56.0				Revenue (Tk)	10,475,000	0	
	Land area (km²)	7.3				Expenditure (Tk)	8,925,000		
	Residential area (km²)	2.9				Computerization			
	Residential area pop. density (persons/ha)	176					,,,,,,,		
E	Electricity coverage (%)	90.0				Committee formed			
	Electricity availability (hrs)					TLCC /Frequency of meeting	No		
	Summer	18				WATSAN/Frequency of meeting	Yes, 3 mor	nths	
	Winter	20				The state of the s	,		
D. N	Non-Piped Water Supply Area								
1. No	ecessity of Piped Water Supply					Main treatment method in domestic	None, , ,		
	Necessity of					As contaminated wells (Nos.)	Do not kno	w	
	Piped water	Yes				Arsenic contaminated water supply (%)	Do not kno	w	
	Water meter	Yes				Unhygienic drinking water (%)	Do not kno	w	
	Reasons	- To save water	and collect the	actual bill		% of people using neighbor's well for drinking	55		
		- To know the a	mount of produ	iced water.		Problems in non-piped water supply area	Iron, Tubev	vell Sharing	
							ŕ		
1	Affordability (answered by pourashava staff)				3. P	Otential Water Sources for Non-Pipe	Water Su	ipply System	
	Average household income/month (Tk)	10,000				Potential water sources	Evaluation	WQ problems	
	Affordability for piped water (Tk/month)	100				Shallow well	Moderate	Iron	
	Affordable price in total household income (%)	1.00				Deep well	High	No problem	
2. Ex	kiting Water Sources in Non-Piped W	ater Supply	/ Area			Surface water sources	High	Do not Know	
	Source	Nos. of source	Drinking (%)	Domestic (%)		Other sources	No	-	
	River	0	0	0		Decrease of ground water level			
	Shallow well	2,800	75	60		Shallow well (m/year)	1.0		
	Deep well	55	20	15		Deep well (m/year)	1.0		
	Ponds	25	0	20					
	Other sources	30	5	5					

Royganj

A. Pourashava Profile								
Class	С				Sanitation coverage			
Division	Rajshahi				Latrine with septic tank (%)	10.0		
District	Sirajgonj				Water sealed slab latrine (%)	80.0		
Year established	2005				Water-related diseases	, Diarrhea, , Typhoid, Dysenter		
Contact Tel/Fax	Tel: 07526-	56331						
E-mail	raigonjpou	roshava@ya	ahoo.com		Technical staff (Nos.)	2		
Population (FY2010/2011)	20,477	•			Financial statements (2010/2011)	0		
Nos. of households (FY2010/2011)	3,131				Annual budget (Tk)	21,772,000)	
Literacy (%)	85.0				Revenue (Tk)	3,272,000		
Land area (km²)	6.3				Expenditure (Tk)	3,264,516		
Residential area (km²)	3.3				Computerization	, , , , Rate sche	dule and estimate	
Residential area pop. density (persons/ha)	63					preparation, E		
Electricity coverage (%)	92.0				Committee formed			
Electricity availability (hrs)					TLCC /Frequency of meeting	Yes, 6 months		
Summer	9				WATSAN/Frequency of meeting	No		
Winter	16							
D. Non-Piped Water Supply Area								
1. Necessity of Piped Water Supply					Main treatment method in domestic	None, , ,		
Necessity of					As contaminated wells (Nos.)	None		
Piped water	Yes				Arsenic contaminated water supply (%)	0		
Water meter	Yes				Unhygienic drinking water (%)	0		
Reasons	(i) Customer	s to pay acc	ording to		% of people using neighbor's well for drinking	8		
	use, (ii) To c	heck and co	ntrol water		Problems in non-piped water supply area	Whole Pourashava are non-piped water supply, Maximum hand tube well fail to supply water in d		
	loss i.e. non-	-revenue wa	ter				ow-down water level.	
Affordability (answered by pourashava staff)				3. P	otential Water Sources for Non-Pipe	Water Su	pply System	
Average household income/month (Tk)	No data				Potential water sources	<u>Evaluation</u>	WQ problems	
Affordability for piped water (Tk/month)	(i) No idea,	(ii) People	will pay acco	rdir	Shallow well	Moderate	Fe	
Affordable price in total household income (%)	0.00				Deep well	-	-	
2. Exiting Water Sources in Non-Piped W	ater Supply	y Area			Surface water sources	High	Turbidity	
Source	Nos. of source	Drinking (%)	Domestic (%)		Other sources	No	-	
River	1	0	20		Decrease of ground water level			
Shallow well	2,800	100	70		Shallow well (m/year)	0.07-0.15		
Deep well	0	0	0		Deep well (m/year)	Not known		
Ponds	30	0	10					
Other sources	0	0	0					

Saistaganj

50	aistaganj					VVII	tn Non-Pipe	d Water Supply System	
A.	Pourashava Profile								
	Class	В				Sanitation coverage			
	Division	Sylhet				Latrine with septic tank (%)	73.0		
	District	Hobiganj				Water sealed slab latrine (%)	20.0		
	Year established	35879				Water-related diseases	, Diarrhea, Cholera, Typhoid, Dysenter		
	Contact Tel/Fax	08332-5676	6108332-56	881					
	E-mail	shaistaganj p	oourashava@	yahoo.com		Technical staff (Nos.)	1		
	Population (FY2010/2011)	26,779				Financial statements (2010/2011)	0		
	Nos. of households (FY2010/2011)	3,749				Annual budget (Tk)	20,635,670)	
	Literacy (%)	57.0				Revenue (Tk)	9,974,893		
	Land area (km²)	10.4				Expenditure (Tk)	8,797,497		
	Residential area (km²)	3.0				Computerization		gement, Accounting, , Salary payment,	
	Residential area pop. density (persons/ha)	89					Rate schedule and Yearly logical bud	estimate preparation, Engineering, get preparation, ,	
	Electricity coverage (%)	65.0				Committee formed			
	Electricity availability (hrs)					TLCC /Frequency of meeting	Yes, 4 months		
	Summer	12				WATSAN/Frequency of meeting	Yes, 6 mor	iths	
	Winter	13							
D.	Non-Piped Water Supply Area								
1. [Necessity of Piped Water Supply					Main treatment method in domestic	, , , Filtratio	n	
	Necessity of					As contaminated wells (Nos.)	0		
	Piped water	Yes				Arsenic contaminated water supply (%)	0		
	Water meter	Yes				Unhygienic drinking water (%)	25		
	Reasons	People are	able to pay	for sate		% of people using neighbor's well for drinking	50		
		water supp				Problems in non-piped water supply area	Water table is down, Safe water		
			,				will be supp	olied	
	Affordability (answered by pourashava staff)				3. F	Potential Water Sources for Non-Piped	Water Su	pply System	
	Average household income/month (Tk)	20,000				Potential water sources	Evaluation	WQ problems	
	Affordability for piped water (Tk/month)	300-400				Shallow well	None	No problem	
	Affordable price in total household income (%)	1.5-2.0				Deep well	Moderate	Iron	
2. E	xiting Water Sources in Non-Piped W	ater Supply	y Area			Surface water sources	High	no problem after treatment	
	Source	Nos. of source	Drinking (%)	Domestic (%)		Other sources	No	-	
	River	0	5	10		Decrease of ground water level			
	Shallow well	1,860	20	20		Shallow well (m/year)	Not known		
	Deep well	155	60	30		Deep well (m/year)	Not known		
	Ponds	0	15	10					
	Other sources	5	0	30					

Sakhipur

A. Pourashava Profile								
Class	С				Sanitation coverage			
Division	Dhaka				Latrine with septic tank (%)	25.0		
District	Tangail				Water sealed slab latrine (%)	35.0		
Year established	2000				Water-related diseases	, Diarrhea,	, Typhoid, ,	
Contact Tel/Fax	01812318	200,09232-	56101.			ĺ		
E-mail		@yahoo.co			Technical staff (Nos.)	3		
Population (FY2010/2011)	29,756	C /			Financial statements (2010/2011)	0		
Nos. of households (FY2010/2011)	7,053				Annual budget (Tk)	20,789,62	8	
Literacy (%)	75.0				Revenue (Tk)	22,056,078		
Land area (km²)	11.5				Expenditure (Tk)	10,593,93		
Residential area (km²)	5.2				Computerization		agement, , , , Rate schedule and	
Residential area pop. density (persons/ha)	57				Compare Leation		ation, Engineering, Yearly logical ion, Procurement,	
Electricity coverage (%)	100.0				Committee formed	buuget preparat	ion, Frocurement,	
Electricity availability (hrs)	100.0				TLCC /Frequency of meeting	Yes, 3 mor	nths	
Summer	12				WATSAN/Frequency of meeting	No.		
Winter	18				With stray requestey of meeting			
D. Non-Piped Water Supply Area	10							
1. Necessity of Piped Water Supply					Main treatment method in domestic	None, , ,		
Necessity of					As contaminated wells (Nos.)	0		
Piped water	Yes				Arsenic contaminated water supply (%)	0		
Water meter	Yes				Unhygienic drinking water (%)	15		
Reasons	Save water	, collect act	ual bill.		% of people using neighbor's well for drinking	20		
					Problems in non-piped water supply area	Iron ,Odoui	r, Water table declining	
Affordability (answered by pourashava staff)				3. F	Potential Water Sources for Non-Pipe			
Average household income/month (Tk)	10,000				Potential water sources	Evaluation	WQ problems	
Affordability for piped water (Tk/month)	100				Shallow well	None	Iron	
Affordable price in total household income (%)	1.00				Deep well	High	No problem	
2. Exiting Water Sources in Non-Piped W		ſ		1	Surface water sources	-	-	
Source	Nos. of source	Drinking (%)	Domestic (%)		Other sources	No	-	
River	0	0	0		Decrease of ground water level			
Shallow well	3,000	95	60		Shallow well (m/year)	0.0		
Deep well	N/A	5	10		Deep well (m/year)	0.0		
Ponds	25	0	30					
Other sources	0	0	0					

Sariakandi

Suriukunui											
A. Pourashava Profile											
Class	С				Sanitation coverage						
Division	Rajshahi				Latrine with septic tank (%)	10.0					
	Bogra				Water sealed slab latrine (%)	90.0					
=	1999				Water-related diseases		, Typhoid, Dysentery,				
Contact Tel/Fax	Mob: 0174	0-213592				, =,	, . , , , . , . , . , . , ,				
E-mail		0 210002			Technical staff (Nos.)	4					
=	22,850				Financial statements (2010/2011)	0					
	3,968				Annual budget (Tk)	116,602,57	71				
` ' '	65.0				Revenue (Tk)	12,552,57					
, ,	3.6				Expenditure (Tk)	12.203.334					
20.10 0.00 (10.11)	2.1				Computerization	,,	dule and estimate				
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	107				Computerization		ngineering, Yearly logical				
	85.0				Committee formed	budget prepar	ation, Procurement,				
Electricity coverage (%) Electricity availability (hrs)	65.0				TLCC /Frequency of meeting	No					
7 7 7	1.4				. , ,	Yes, Not re	ogular.				
	14				WATSAN/Frequency of meeting	res, Not re	guiai				
	20										
D. Non-Piped Water Supply Area											
1. Necessity of Piped Water Supply					Main treatment method in domestic	None, , ,					
Necessity of					As contaminated wells (Nos.)	175-345					
Piped water	Yes				Arsenic contaminated water supply (%)	5-10					
Water meter	Yes				Unhygienic drinking water (%)	2					
Reasons		w much water we			% of people using neighbor's well for drinking	3					
	how much water of - We will know the	,			Problems in non-piped water supply area	Quantity of iron is too high,					
	- To save water ar	d improve the eff	iciency of			Problem of	low water table in dry				
Affordability (answered by pourashava staff)				3. F	Potential Water Sources for Non-Pipe	Water Su	pply System				
Average household income/month (Tk)	7,000				Potential water sources	Evaluation	<u>WQ problems</u>				
Affordability for piped water (Tk/month)	200				Shallow well	Moderate	Iron/Arsenic				
Affordable price in total household income (%)	2.86				Deep well	-	-				
2. Exiting Water Sources in Non-Piped Wa	ater Supply	/ Area			Surface water sources	Moderate	- Turbidity high- Bacteriological contaminated				
Source	Nos. of source	Drinking (%)	Domestic (%)		Other sources	No	-				
River	2	0	5		Decrease of ground water level						
Shallow well	3,432	100	91		Shallow well (m/year)	0.5					
Deep well	0	0	0		Deep well (m/year)	Not known					
Ponds	6	0	4								
Other sources	0	0	0								

Satkania

A. Pourashava Profile								
Class	В				Sanitation coverage			
Division	Chittagong				Latrine with septic tank (%)	50.0	50.0	
District	Chittagong				Water sealed slab latrine (%)	25.0		
Year established	2003				Water-related diseases	, Diarrhea, , Ty	phoid, Dysentery,	
Contact Tel/Fax	303656511							
E-mail					Technical staff (Nos.)	3		
Population (FY2010/2011)	46,553				Financial statements (2010/2011)	0		
Nos. of households (FY2010/2011)	7,561				Annual budget (Tk)	116,866,943		
Literacy (%)	69.0				Revenue (Tk)	22,796,126		
Land area (km²)	12.5				Expenditure (Tk)	8,195,000		
Residential area (km²)	6.9				Computerization			
Residential area pop. density (persons/ha)	68					,,,,,,,		
Electricity coverage (%)	100.0	0.001			Committee formed			
Electricity availability (hrs)					TLCC /Frequency of meeting	No		
Summer	3			WATSAN/Frequency of meeting	Yes, 4 months			
Winter	Winter 12							
D. Non-Piped Water Supply Area	D. Non-Piped Water Supply Area							
1. Necessity of Piped Water Supply					Main treatment method in domestic	, , , Filtration		
Necessity of					As contaminated wells (Nos.)	0		
Piped water	Yes				Arsenic contaminated water supply (%)	0		
Water meter	Yes				Unhygienic drinking water (%)	5		
Reasons	Solvency of this				% of people using neighbor's well for drinking	20		
	They will be abl meters should I	e to pay the bil be installed in tl			Problems in non-piped water supply area	Ironic, Scarcity of water during summer		
	priority.		, .			season.,		
Affordability (answered by pourashava staff)				3. P	otential Water Sources for Non-Pipe	Water Suppl	· ·	
Average household income/month (Tk)	12,000				Potential water sources	<u>Evaluation</u>	WQ problems	
Affordability for piped water (Tk/month)	600				Shallow well	Moderate	Ironic	
Affordable price in total household income (%)	5.00				Deep well	Moderate	Fe, Mn	
2. Exiting Water Sources in Non-Piped W		•		,	Surface water sources	High	Soil, Mud	
Source	Nos. of source	Drinking (%)	Domestic (%)		Other sources	No	-	
River	0	0	5		Decrease of ground water level			
Shallow well	350	20	40		Shallow well (m/year)			
Deep well	200	80	25		Deep well (m/year)	0.5		
Ponds	140 0 30							
Other sources	0	0	0					

Senbagh

A. Pourashava Profile Class Division Chittagong District Noakhali Vater sealed slab latrine (%) Contact Tel/Fax E-mail Population (FY2010/2011) Nos. of households (FY2010/2011) Literacy (%) Land area (km²) B Chittagong Latrine with septic tank (%) Water sealed slab latrine (%) Water-related diseases , Diarrhea, Water-related diseases , Diarrhea, Financial staff (Nos.) 2 Financial statements (2010/2011) O Annual budget (Tk) Financial statements (2010/2011)	,,
Division Chittagong Latrine with septic tank (%) 8.0 District Noakhali Water sealed slab latrine (%) 60.0 Year established 2002 Water-related diseases , Diarrhea, , Contact Tel/Fax 322556107 E-mail engtafhosn2012@yahoo.com Technical staff (Nos.) 2 Population (FY2010/2011) 18,836 Financial statements (2010/2011) 0 Nos. of households (FY2010/2011) 3,387 Annual budget (Tk) 73,729,000 Literacy (%) 56.9 Revenue (Tk) 10,200,133	,,
District Noakhali Water sealed slab latrine (%) 60.0 Year established 2002 Water-related diseases , Diarrhea, , Contact Tel/Fax 322556107 E-mail engtafhosn2012@yahoo.com Technical staff (Nos.) 2 Population (FY2010/2011) 18,836 Financial statements (2010/2011) 0 Nos. of households (FY2010/2011) 3,387 Annual budget (Tk) 73,729,000 Literacy (%) 56.9 Revenue (Tk) 10,200,133	,,
Year established 2002 Water-related diseases , Diarrhea, , Diarr	,,
Contact Tel/Fax 322556107 E-mail engtafhosn2012@yahoo.com Technical staff (Nos.) 2 Population (FY2010/2011) 18,836 Financial statements (2010/2011) 0 Nos. of households (FY2010/2011) 3,387 Annual budget (Tk) 73,729,000 Literacy (%) 56.9 Revenue (Tk) 10,200,133	,,
E-mail engtafhosn2012@yahoo.com Technical staff (Nos.) 2 Population (FY2010/2011) 18,836 Financial statements (2010/2011) 0 Nos. of households (FY2010/2011) 3,387 Annual budget (Tk) 73,729,000 Literacy (%) 56.9 Revenue (Tk) 10,200,133	
Population (FY2010/2011) 18,836 Financial statements (2010/2011) 0 Nos. of households (FY2010/2011) 3,387 Annual budget (Tk) 73,729,000 Literacy (%) 56.9 Revenue (Tk) 10,200,133	
Population (FY2010/2011) 18,836 Financial statements (2010/2011) 0 Nos. of households (FY2010/2011) 3,387 Annual budget (Tk) 73,729,000 Literacy (%) 56.9 Revenue (Tk) 10,200,133	
Nos. of households (FY2010/2011) 3,387 Annual budget (Tk) 73,729,000 Literacy (%) 56.9 Revenue (Tk) 10,200,133	
Literacy (%) 56.9 Revenue (Tk) 10,200,133	
Land area (km) 0.0 Expenditure (1k) 10,271,400	
	ule and estimate preparation,
Residential area pop. density (persons/ha) 87 Engineering,,,	
Electricity coverage (%) 90.0 Committee formed	
Electricity availability (hrs) TLCC /Frequency of meeting No	
Summer 5 WATSAN/Frequency of meeting Yes, Irreguil.	ar
Winter 7	
D. Non-Piped Water Supply Area	
1. Necessity of Piped Water Supply Main treatment method in domestic None, , ,	
Necessity of As contaminated wells (Nos.) Do not know	
Piped water Yes Arsenic contaminated water supply (%) Do not know	
Water meter Yes Unhygienic drinking water (%) Do not know	
Reasons To avoid wastage, To assess exact % of people using neighbor's well for drinking 10	
water consumption Problems in non-piped water supply area Iron and Salir	ne,
Affordability (answered by pourashava staff) 3. Potential Water Sources for Non-Piped Water Supplies.	ply System
Average household income/month (Tk) 10,000 Potential water sources <u>Evaluation</u>	<u>WQ problems</u>
Affordability for piped water (Tk/month) 200 Shallow well Moderate	Iron and Saline
Affordable price in total household income (%) 2.00 Deep well Moderate	Iron and Saline
2. Exiting Water Sources in Non-Piped Water Supply Area Surface water sources -	-
Source Nos. of source Drinking (%) Domestic (%) Other sources No	-
River 0 0 0 Decrease of ground water level	
Shallow well (m/year) Not known	
Deep well 8 3 0 Deep well (m/year) Not known	
Ponds 1,138 0 70	
Other sources 0 0 0	

Shandia

A. Pourashava Profile								
Class	С				Sanitation coverage			
Division	Chittagong				Latrine with septic tank (%)	10.0		
District	Chittagong				Water sealed slab latrine (%)	70.0		
Year established	28/02/199	9			Water-related diseases	, Diarrhea, Cholera, Typhoid, Dysentery,		
Contact Tel/Fax	171130649	12						
E-mail	mayorsandw	ippourashava	@gmail.com		Technical staff (Nos.)	1		
Population (FY2010/2011)	60,000				Financial statements (2010/2011)	0		
Nos. of households (FY2010/2011)	7,801				Annual budget (Tk)	22,500,000)	
Literacy (%)	80.0				Revenue (Tk)	4,273,523		
Land area (km²)	30.0				Expenditure (Tk)	11,650,805	;	
Residential area (km²)	15.0				Computerization			
Residential area pop. density (persons/ha)	40					,,,,, Engineer	ing, , ,	
Electricity coverage (%)	50.0				Committee formed			
Electricity availability (hrs)					TLCC /Frequency of meeting	No		
Summer	4				WATSAN/Frequency of meeting	No		
Winter	Winter 4							
D. Non-Piped Water Supply Area								
1. Necessity of Piped Water Supply					Main treatment method in domestic	, Boiling, ,		
Necessity of					As contaminated wells (Nos.)	5		
Piped water	Yes				Arsenic contaminated water supply (%)	10		
Water meter	Yes				Unhygienic drinking water (%)	50		
Reasons	To use sup	ply water pe	erfectly.		% of people using neighbor's well for drinking	80		
					Problems in non-piped water supply area	Arsenic and salinity on shallow wells., Shallow		
						wells are contar	ninated by human waste.	
Affordability (answered by pourashava staff)				3. P	Potential Water Sources for Non-Pipe	Water Su	pply System	
Average household income/month (Tk)	6,000				Potential water sources	Evaluation	WQ problems	
Affordability for piped water (Tk/month)	180				Shallow well	Moderate	Arsenic and bacteria	
Affordable price in total household income (%)	3.00				Deep well	High	N	
2. Exiting Water Sources in Non-Piped W	ater Suppl	y Area			Surface water sources	None	Saline	
Source	Nos. of source	Drinking (%)	Domestic (%)		Other sources	No	-	
River	0	0	0		Decrease of ground water level			
Shallow well	600 70 20			Shallow well (m/year)	Not known			
Deep well	10 10 0				Deep well (m/year)	Not known		
Ponds	50 20 80							
Other sources	0	0	0					

Sherpur					Wit	th Non-Pipe	ed Water Supply System	
A. Pourashava Profile								
A. Pourashava Profile Class Division District Year established Contact Tel/Fax E-mail Population (FY2010/2011) Nos. of households (FY2010/2011) Literacy (%) Land area (km²) Residential area (pp. density (persons/ha)	A Rajshahi Bogra 1876 0 humao.kabir@yahoo.com 60,000 4,807 80.0 10.4 7.3				Sanitation coverage Latrine with septic tank (%) Water sealed slab latrine (%) Water-related diseases Technical staff (Nos.) Financial statements (2010/2011) Annual budget (Tk) Revenue (Tk) Expenditure (Tk) Computerization	10 0 80,500,000 27,383,46! 28,857,18. Holding tax manal schedule and estir	5 2 gement, , , Salary payment, Rate mate preparation, Engineering, Yearly	
Electricity coverage (%) Electricity availability (hrs) Summer Winter D. Non-Piped Water Supply Area	82 100.0 14 20				Committee formed TLCC /Frequency of meeting WATSAN/Frequency of meeting	Yes, 1 month (n	paration, Procurement, ot regular coordinating meeting) th (not regular meeting)	
Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons	Yes Yes (i) Ensure the p identify quantit To estimate wa etc.	y of water used	for billing, (iii)		Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area	None, , , None 0 5 10 More iron, Problem of low water table in dry season		
Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Water Source River Shallow well Deep well Ponds Other sources	10,000 300 3.00	/ Area Drinking (%) 0 100 0 0 0	Domestic (%) 15 65 0 20	3. P	Potential Water Sources for Non-Piped Potential water sources Shallow well Deep well Surface water sources Other sources Decrease of ground water level Shallow well (m/year) Deep well (m/year)	Evaluation Moderate	WQ problems	

Shibchar

A. Pourashava Profile								
Class	В				Sanitation coverage			
Division	Dhaka				Latrine with septic tank (%)	25.0	25.0	
District	Madaripur				Water sealed slab latrine (%)	35.0		
Year established	1997				Water-related diseases	Arsenicosis, Diarrhe	a, Cholera, Typhoid, Dysentery,	
Contact Tel/Fax	0							
E-mail	mayor-shib	char@gma	il.com		Technical staff (Nos.)	10		
Population (FY2010/2011)	33,660	_			Financial statements (2010/2011)	0		
Nos. of households (FY2010/2011)	3,822				Annual budget (Tk)	173,362,653		
Literacy (%)	57.9				Revenue (Tk)	23,051,266		
Land area (km²)	8.8				Expenditure (Tk)	17,405,000		
Residential area (km²)	5.7				Computerization	, Accounting, , , , En	zineering	
Residential area pop. density (persons/ha)	59					,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	5	
Electricity coverage (%)	97.0	97.0			Committee formed			
Electricity availability (hrs)					TLCC /Frequency of meeting	Yes, 3 months		
Summer	8			WATSAN/Frequency of meeting	No			
Winter	18	18						
D. Non-Piped Water Supply Area								
1. Necessity of Piped Water Supply					Main treatment method in domestic	None, , ,		
Necessity of					As contaminated wells (Nos.)	115		
Piped water	Yes				Arsenic contaminated water supply (%)	1		
Water meter	No				Unhygienic drinking water (%)	25		
Reasons					% of people using neighbor's well for drinking	40		
					Problems in non-piped water supply area		e drinking water, Arsenic	
						and bacterilogic	al problem.	
Affordability (answered by pourashava staff)				3. F	Potential Water Sources for Non-Piper	Water Suppl	y System	
Average household income/month (Tk)	10,000				Potential water sources	<u>Evaluation</u>	WQ problems	
Affordability for piped water (Tk/month)	200				Shallow well	None	Arsenic	
Affordable price in total household income (%)	2.00				Deep well	Moderate	Iron, Saline	
2. Exiting Water Sources in Non-Piped W	ater Supply	ř		,	Surface water sources	High	Do not know	
Source	Nos. of source	Drinking (%)	Domestic (%)		Other sources	No	-	
River	0	0	0		Decrease of ground water level			
Shallow well	3,500	10	10		Shallow well (m/year)	1.0		
Deep well	135	45	50		Deep well (m/year)	0.8		
Ponds	30	40	20					
Other sources	8	5	20					

Shibganj

	9								
A. F	Pourashava Profile								
(Class	С				Sanitation coverage			
1	Division	Rajshahi				Latrine with septic tank (%)	36.0		
1	District	Bogra				Water sealed slab latrine (%)	45.0	45.0	
,	Year established	2002				Water-related diseases	, Diarrhea, , , D	ysentery,	
	Contact Tel/Fax	Tel: 05033-69058							
	E-mail					Technical staff (Nos.)	4		
1	Population (FY2010/2011)	24,300				Financial statements (2010/2011)	0		
1	Nos. of households (FY2010/2011)	4,583				Annual budget (Tk)	53,686,525		
1	Literacy (%)	85.0				Revenue (Tk)	6,886,525		
	Land area (km²)	14.0				Expenditure (Tk)	6,174,000		
	Residential area (km²)	6.3				Computerization		Rate schedule and estimate	
	Residential area pop. density (persons/ha)	39					preparation, Engine preparation, Procur	ering, Yearly logical budget	
1	Electricity coverage (%)	80.0				Committee formed	p. op. a.	,	
1	Electricity availability (hrs)				TLCC /Frequency of meeting	Yes, 3 months (not	regular coordinating meeting)		
	Summer	12			WATSAN/Frequency of meeting	Yes, 3 months (not regular coordinating meeting)			
	Winter 16								
D. N	Non-Piped Water Supply Area								
1. N	ecessity of Piped Water Supply					Main treatment method in domestic	None, , ,		
- 1	Necessity of					As contaminated wells (Nos.)	None		
	Piped water	Yes				Arsenic contaminated water supply (%)	0		
	Water meter	Yes				Unhygienic drinking water (%)	3		
	Reasons	- Analysis of v	vater consum	ption		% of people using neighbor's well for drinking	20		
		Proper water bill/collection				Problems in non-piped water supply area	More iron, Problem of low water table in d		
		- Internal pro	blem identific	ation			season		
,	Affordability (answered by pourashava staff)				3. I	Potential Water Sources for Non-Pipe	d Water Suppl	y System	
	Average household income/month (Tk)	8,000				Potential water sources	<u>Evaluation</u>	WQ problems	
	Affordability for piped water (Tk/month)	200				Shallow well	High	More iron (in some area)	
	Affordable price in total household income (%)	2.50				Deep well	-	-	
2. Ex	kiting Water Sources in Non-Piped W	ater Suppl	y Area			Surface water sources	-	-	
	Source	Nos. of source	Drinking (%)	Domestic (%)		Other sources	No	-	
	River	0	0	0		Decrease of ground water level			
	Shallow well	2,200	100	80		Shallow well (m/year)	0.3		
	Deep well	0	0	0		Deep well (m/year)	Not known		
	Ponds	60	0	20					
	Other sources	0	0	0					

Shibganji

A. Pourashava Profile								
Class	A				Sanitation coverage			
Division	Rajshahi				Latrine with septic tank (%)	65.0		
District	Chapainaw	abganj			Water sealed slab latrine (%)	0.0		
Year established	1992				Water-related diseases	, Diarrhea, , , Dysentery,		
Contact Tel/Fax	07825-750	46						
E-mail					Technical staff (Nos.)	8		
Population (FY2010/2011)	47,525				Financial statements (2010/2011)	0		
Nos. of households (FY2010/2011)	8,450				Annual budget (Tk)	54,054,26	3	
Literacy (%)	60.0				Revenue (Tk)	23,054,263	3	
Land area (km²)	22.2				Expenditure (Tk)	22,228,500	0	
Residential area (km²)	3.2				Computerization	, Accounting, 1	Frade license, , , , ,	
Residential area pop. density (persons/ha)	151					Procurement,		
Electricity coverage (%)	90.0				Committee formed			
Electricity availability (hrs)					TLCC /Frequency of meeting	Yes, 4 months		
Summer	22				WATSAN/Frequency of meeting	Yes, 1 mor	nth	
Winter 23								
D. Non-Piped Water Supply Area								
1. Necessity of Piped Water Supply					Main treatment method in domestic	None, , ,		
Necessity of					As contaminated wells (Nos.)	0		
Piped water	Yes				Arsenic contaminated water supply (%)	0		
Water meter	Yes				Unhygienic drinking water (%)	Do not know		
Reasons		piped water s			% of people using neighbor's well for drinking	8		
		a consider me	tering system		Problems in non-piped water supply area	Water level decreases at summer season, not sufficient quantity is available., Water aquifer is shallow-deep (40-		
	to reduce wa	ter wastage.				50m), there is no s	ource from deep wells due to hard rock.	
Affordability (answered by pourashava staff)				3. P	Potential Water Sources for Non-Pipe			
Average household income/month (Tk)	22,000-25,	000			Potential water sources	Evaluation		
Affordability for piped water (Tk/month)	150				Shallow well	High	N	
Affordable price in total household income (%)	0.64				Deep well	-	-	
2. Exiting Water Sources in Non-Piped W	ater Suppl	y Area		i i	Surface water sources	None	Do not know	
Source	Nos. of source	Drinking (%)	Domestic (%)		Other sources	No	-	
River	0	0	1-2		Decrease of ground water level			
Shallow well	281	95-98	96		Shallow well (m/year)	0.3		
Deep well	0	0	1-2		Deep well (m/year)	Not known		
Ponds	0	2	0					
Other sources	12	40,944	40,910					

Shitakunda

Shita	akunda					Wit	th Non-Pipe	d Water Supply System	
A. Pou	rashava Profile								
Clas	S	В				Sanitation coverage			
Divi	sion	Chittagong				Latrine with septic tank (%)	70.0		
Dist	rict	Chittagong				Water sealed slab latrine (%)	20.0		
Year	established	1998				Water-related diseases	Arsenicosis, Diarrhea, , Typhoid, Dysentery, Y (Jondis [Hepatytis]]		
Con	tact Tel/Fax	302856444							
	E-mail					Technical staff (Nos.)	6		
Pop	ulation (FY2010/2011)	62,011				Financial statements (2010/2011)	0		
Nos	of households (FY2010/2011)	6,543				Annual budget (Tk)	118,176,0	75	
Lite	racy (%)	71.0				Revenue (Tk)	10,954,075	5	
Land	d area (km²)	28.0				Expenditure (Tk)	107,222,00	00	
Re	esidential area (km²)	16.4				Computerization		ement, Accounting, Trade license, Salary	
Re	sidential area pop. density (persons/ha)	38						edule and estimate preparation, logical budget preparation, ,	
Elec	tricity coverage (%)	25.0	25.0			Committee formed			
Elec	tricity availability (hrs)					TLCC /Frequency of meeting	Yes, 3 mor	nths	
	Summer	14				WATSAN/Frequency of meeting	No		
	Winter	18							
D. Nor	n-Piped Water Supply Area								
1. Nece	ssity of Piped Water Supply					Main treatment method in domestic	None, , ,		
Nec	essity of					As contaminated wells (Nos.)	800		
Pi	ped water	Yes				Arsenic contaminated water supply (%)	80		
W	ater meter	Yes				Unhygienic drinking water (%)	50		
	Reasons	To use the	water prop	erly and		% of people using neighbor's well for drinking	60		
		collect the	bill correctl	у.		Problems in non-piped water supply area	Arsenic and salinity on shallow wells., Shallow wells are contaminated by human waste.		
								· ·	
	rdability (answered by pourashava staff)				3. F	Potential Water Sources for Non-Piped	Water Su		
	•	Not given				Potential water sources	<u>Evaluation</u>		
		Not given				Shallow well	Moderate	Arsenic and bacteria	
		Not given				Deep well	High	N	
2. Exitir	ng Water Sources in Non-Piped Wa					Surface water sources	-	-	
	Source	Nos. of source	Drinking (%)	Domestic (%)		Other sources	No	<u>-</u>	
	ver	0	0	0		Decrease of ground water level			
	nallow well	1,500	80	20		Shallow well (m/year)	0.3		
	eep well	50	10	0		Deep well (m/year)	Not known		
	onds	120	0	80					
0	ther sources	10	10	0					

Singair

A. Poi	urashava Profile							
Cla	SS	В				Sanitation coverage		
Div	ision	Dhaka				Latrine with septic tank (%)	100.0	
Dis	trict	Manikganj				Water sealed slab latrine (%)	0.0	
Yea	r established	2001				Water-related diseases	Arsenicosis, Diari	rhea, Cholera, Typhoid, Dysentery,
Cor	ntact Tel/Fax	0						
	E-mail					Technical staff (Nos.)	2	
Por	oulation (FY2010/2011)	30,300				Financial statements (2010/2011)	0	
	s. of households (FY2010/2011)	5,321				Annual budget (Tk)	71,857,50	8
	eracy (%)	56.0				Revenue (Tk)	17,028,65	7
	d area (km²)	16.6				Expenditure (Tk)	10,982,299	9
	Residential area (km²)	13.2				Computerization		
	esidential area pop. density (persons/ha)	23				·	,,,,,,,	
Ele	ctricity coverage (%)	70.0				Committee formed		
	ctricity availability (hrs)					TLCC /Frequency of meeting	Yes, 4 mor	nths
	Summer	10				WATSAN/Frequency of meeting	No	
	Winter	17				, , ,		
D. No	n-Piped Water Supply Area							
1. Nece	essity of Piped Water Supply					Main treatment method in domestic	, , , Filtratio	n
Ned	cessity of					As contaminated wells (Nos.)	Do not kno	w
P	iped water	Yes				Arsenic contaminated water supply (%)	Do not kno	w
V	Vater meter	No				Unhygienic drinking water (%)	Do not kno	w
	Reasons					% of people using neighbor's well for drinking	75	
						Problems in non-piped water supply area	Contaminati	on (Fe, As), Surface water,
							15 km (Kaliga	anga River), by dredging
Affe	ordability (answered by pourashava staff)				3. P	Potential Water Sources for Non-Piped	Water Su	ipply System
Δ	verage household income/month (Tk)	15,000				Potential water sources	Evaluation	WQ problems
	ffordability for piped water (Tk/month)	150-200				Shallow well	None	As , Fe
A	ffordable price in total household income (%)	1-1.3				Deep well	High	Some Iron have
2. Exiti	ng Water Sources in Non-Piped W	ater Suppl	y Area			Surface water sources	Possible, need dredging	Treatment conventional necessary, Turbidity is high, Muddy
	Source	Nos. of source	Drinking (%)	Domestic (%)		Other sources	No	-
F	tiver	2	0	2		Decrease of ground water level		
S	hallow well	4,000	25	48		Shallow well (m/year)	Not known	
	Deep well	10	0	0		Deep well (m/year)	Not known	
P	onds	15	0	50				
C	Other sources	0	75	0				

Sonagazi

Suriuguzi					***	tii itoii i ipe	d Water Supply System	
A. Pourashava Profile								
Class	В				Sanitation coverage			
Division	Chittagong				Latrine with septic tank (%)	36.3		
District	Feni				Water sealed slab latrine (%)	52.5		
Year established	2002				Water-related diseases	, Diarrhea,	, , Dysentery,	
Contact Tel/Fax	03325-761	03325-76161						
E-mail					Technical staff (Nos.)	6		
Population (FY2010/2011)	32,852				Financial statements (2010/2011)	0		
Nos. of households (FY2010/2011)	3,700				Annual budget (Tk)	68,968,000	0	
Literacy (%)	63.0				Revenue (Tk)	12,821,000	0	
Land area (km²)	5.0				Expenditure (Tk)	12,821,000	0	
Residential area (km²)	1.9				Computerization	F		
Residential area pop. density (persons/ha)	178					, , , , , Enginee	ring, , ,	
Electricity coverage (%)	70.0				Committee formed			
Electricity availability (hrs)					TLCC /Frequency of meeting	No		
Summer	5	5			WATSAN/Frequency of meeting	No		
Winter	13							
D. Non-Piped Water Supply Area								
1. Necessity of Piped Water Supply					Main treatment method in domestic	, , , Filtratio	n	
Necessity of					As contaminated wells (Nos.)	20		
Piped water	Yes				Arsenic contaminated water supply (%)	6		
Water meter	Yes				Unhygienic drinking water (%)	2		
Reasons	Minimize th	e wastage of	f water,		% of people using neighbor's well for drinking	10		
	Accurate wa	iter volume			Problems in non-piped water supply area	Impure water(Unhygenic), Iron		
	measureme	nt.						
Affordability (answered by pourashava staff)				3. F	Potential Water Sources for Non-Pipe	<mark>d</mark> Water Su	ipply System	
Average household income/month (Tk)	15,000				Potential water sources	Evaluation	WQ problems	
Affordability for piped water (Tk/month)	300				Shallow well	Moderate	Impure water, Iron	
Affordable price in total household income (%)	2.00				Deep well	High	No problem	
2. Exiting Water Sources in Non-Piped W	ater Suppl	y Area		,	Surface water sources	-	-	
Source	Nos. of source	Drinking (%)	Domestic (%)		Other sources	No	-	
River	0	0	0		Decrease of ground water level			
Shallow well	200	200 40 20			Shallow well (m/year)	Not known		
Deep well	1,500	60	40		Deep well (m/year)	Not known		
Ponds	192	0	20					
Other sources	6	0	20					

Sonaimuri

_									
Δ	. Pourashava Profile								
	Class	В				Sanitation coverage			
	Division	Chittagong				Latrine with septic tank (%)	15.5		
	District	Noakhali				Water sealed slab latrine (%)	70.9		
	Year established	2003				Water-related diseases	Arsenicosis, Diarrhea, , Typhoid, Dysente		
	Contact Tel/Fax	03227-510	04						
	E-mail	mayor.son	aimuri@gm	ail.com		Technical staff (Nos.)	4		
	Population (FY2010/2011)	42,268				Financial statements (2010/2011)	0		
	Nos. of households (FY2010/2011)	5,874				Annual budget (Tk)	179,677,534		
	Literacy (%)	66.2				Revenue (Tk)	34,110,000		
	Land area (km²)	13.1				Expenditure (Tk)	31,611,000		
	Residential area (km²)	2.8				Computerization	, , , , Rate schedule and estimate preparation, Engineering, Yearly logical		
	Residential area pop. density (persons/ha)	151					budget preparation, ,		
	Electricity coverage (%)	70.0				Committee formed			
	Electricity availability (hrs)					TLCC /Frequency of meeting	No		
	Summer	6				WATSAN/Frequency of meeting	Yes, 3 months		
Winter 18									
C). Non-Piped Water Supply Area								
1	. Necessity of Piped Water Supply					Main treatment method in domestic	, Boiling, , Filtration		
	Necessity of					As contaminated wells (Nos.)	Do not know		
	Piped water	Yes				Arsenic contaminated water supply (%)	30		
	Water meter	Yes				Unhygienic drinking water (%)	10		
	Reasons	To prevent	wastage of	water.		% of people using neighbor's well for drinking	15		
						Problems in non-piped water supply area	Arsenic, Iron		
	Affordability (answered by pourashava staff)				3. P	otential Water Sources for Non-Pipe			
	Average household income/month (Tk)	6,000				Potential water sources	Evaluation WQ problems		
	Affordability for piped water (Tk/month)	150				Shallow well	Moderate Arsenic, Iron, Saline		
	Affordable price in total household income (%)	2.50				Deep well	High Iron		
2	. Exiting Water Sources in Non-Piped W					Surface water sources			
	Source	Nos. of source	Drinking (%)	Domestic (%)		Other sources	No -		
	River	0	0	0		Decrease of ground water level			
	Shallow well	3,800	79	50		Shallow well (m/year)	Not known		
	Deep well	220 21 10			Deep well (m/year)	Not known			
	Ponds	794 0 20							
	Other sources	19	0	20					

Sonargaon					Wit	th Non-Pipe	d Water Supply System	
A. Pourashava Profile								
Class Division District Year established Contact Tel/Fax E-mail Population (FY2010/2011) Nos. of households (FY2010/2011) Literacy (%) Land area (km²) Residential area (km²) Residential area pop. density (persons/ha) Electricity coverage (%)	B Dhaka Narayanganj 2001 02-7656204 35,000 5,500 80.0 9.5 4.8 74 25.0				Sanitation coverage Latrine with septic tank (%) Water sealed slab latrine (%) Water-related diseases Technical staff (Nos.) Financial statements (2010/2011) Annual budget (Tk) Revenue (Tk) Expenditure (Tk) Computerization Committee formed	22.0 20.0 Arsenicosis, , , Typhoid, , 2 0 140,258,485 59,662,252 24,470,535 Holding tax management, Accounting, , , Rate schedule and estimate preparation, Engineering, , ,		
Electricity availability (hrs) Summer Winter D. Non-Piped Water Supply Area	17 20				TLCC /Frequency of meeting WATSAN/Frequency of meeting	Yes, 1 month		
Necessity of Piped Water Supply Necessity of Piped water Water meter Reasons	Yes Yes Control of u	use			Main treatment method in domestic As contaminated wells (Nos.) Arsenic contaminated water supply (%) Unhygienic drinking water (%) % of people using neighbor's well for drinking Problems in non-piped water supply area	, Boiling, , Filtration 80 80 5 60 Arsenic, Iron,		
Affordability (answered by pourashava staff) Average household income/month (Tk) Affordability for piped water (Tk/month) Affordable price in total household income (%) 2. Exiting Water Sources in Non-Piped Water Source	** /		3. F	Potential Water Sources for Non-Piper Potential water sources Shallow well Deep well Surface water sources Other sources	Evaluation None Moderate	WQ problems Arsenic, Iron		
River Shallow well Deep well Ponds Other sources	0 2,000 50 0	0 90 10 0 0	0 90 10 0		Decrease of ground water level Shallow well (m/year) Deep well (m/year)	Not known Not known		

Sonatala

A.	Pourashava Profile							
	Class	C				Sanitation coverage		
	Division	Rajshahi				Latrine with septic tank (%)		
	District	Bogra				Water sealed slab latrine (%)	30.0	
	Year established	2001				Water-related diseases	, Diarrhea,	, , Dysentery,
	Contact Tel/Fax	Tel: 05032-	el: 05032-79100/124					
	E-mail					Technical staff (Nos.)	6	
	Population (FY2010/2011)	21,919				Financial statements (2010/2011)	0	
	Nos. of households (FY2010/2011)	4,540				Annual budget (Tk)	29,136,43	5
	Literacy (%)	78.0				Revenue (Tk)	10,341,32	3
	Land area (km²)	12.4				Expenditure (Tk)	10,325,96	
	Residential area (km²)	5.8				Computerization		dule and estimate ngineering, Yearly logical
	Residential area pop. density (persons/ha)	38					budget prepar	0 0 , 0
	Electricity coverage (%)	95.0				Committee formed		
	Electricity availability (hrs)					TLCC /Frequency of meeting	No	
	Summer	8				WATSAN/Frequency of meeting	No	
	Winter	16						
D.	Non-Piped Water Supply Area							
1. 1	Necessity of Piped Water Supply					Main treatment method in domestic	None, , ,	
	Necessity of					As contaminated wells (Nos.)	None	
	Piped water	Yes				Arsenic contaminated water supply (%)	0	
	Water meter	Yes				Unhygienic drinking water (%)	1	
	Reasons		roper use of wa			% of people using neighbor's well for drinking	5	
			ter not billed, (i	0. ()		Problems in non-piped water supply area		Problem of low water
		etc.					table in dry	
	Affordability (answered by pourashava staff)				3. F	Potential Water Sources for Non-Pipe		
	Average household income/month (Tk)	7,000				Potential water sources	Evaluation	
	Affordability for piped water (Tk/month)	150				Shallow well	High	More iron
	Affordable price in total household income (%)	2.14			Deep well	-	-	
2. E	xiting Water Sources in Non-Piped W			1	Surface water sources	-	-	
	Source	Nos. of source	Drinking (%)	Domestic (%)		Other sources	No	-
	River	0	0	0		Decrease of ground water level		
	Shallow well	4,000	100	80		Shallow well (m/year)	0.2	
	Deep well	100	0	0		Deep well (m/year)	Not known	
	Ponds	100	0	20				
	Other sources	0	0	0				

Sreebardi

SI	eebarai				VVII	iii Noii-Pipe	d Water Supply System		
Α.	Pourashava Profile								
	Class	С				Sanitation coverage			
	Division	Dhaka				Latrine with septic tank (%)	10.0		
	District	Sherpur				Water sealed slab latrine (%)	50.0		
	Year established	2004	004			Water-related diseases	, Diarrhea, , , Dysentery,		
	Contact Tel/Fax	0932-55623	932-556211						
	E-mail					Technical staff (Nos.)	1		
	Population (FY2010/2011)	28,000				Financial statements (2010/2011)	0		
	Nos. of households (FY2010/2011)	6,116				Annual budget (Tk)	88,976,633	1	
	Literacy (%)	95.0				Revenue (Tk)	57,753,980		
	Land area (km²)	11.0				Expenditure (Tk)	53,300,000		
	Residential area (km²)	3.9				Computerization			
	Residential area pop. density (persons/ha)	73					,,,,,,,,		
	Electricity coverage (%)	95.0				Committee formed			
	Electricity availability (hrs)					TLCC /Frequency of meeting	No		
	Summer	10				WATSAN/Frequency of meeting	No		
	Winter	16							
D.	Non-Piped Water Supply Area								
1. N	lecessity of Piped Water Supply					Main treatment method in domestic	None, , ,		
	Necessity of					As contaminated wells (Nos.)	0		
	Piped water	Yes				Arsenic contaminated water supply (%)	0		
	Water meter	Yes				Unhygienic drinking water (%)	0		
	Reasons	Water Mete	r should be	installed		% of people using neighbor's well for drinking	2		
		and all will p	ay the bill a	ccordingly.		Problems in non-piped water supply area	Declination	of ground water level,	
	Affordability (answered by pourashava staff)				3. F	Potential Water Sources for Non-Piped	Water Su	pply System	
	Average household income/month (Tk)	13,000				Potential water sources	Evaluation		
	, , , , , ,	130				Shallow well		No problem	
	Affordable price in total household income (%)	1.00				Deep well	Do not know	Do not know	
2. E	xiting Water Sources in Non-Piped W	ater Supply	y Area		1	Surface water sources	-	-	
	Source	Nos. of source	Drinking (%)	Domestic (%)		Other sources	No	-	
	River	0	0	0		Decrease of ground water level			
	Shallow well	5,000	100	100		Shallow well (m/year)	Not known		
	Deep well	0	0	0		Deep well (m/year)	Not known		
	Ponds	0	0	0					
	Other sources	0	0	0					

Sreepur

A. Pourashava Profile								
Class			Sanitation coverage					
Division	Dhaka				Latrine with septic tank (%)	0.0		
District	Gazipur				Water sealed slab latrine (%)	89.0		
Year established	2000				Water-related diseases	, Diarrhea,	Cholera, Typhoid, ,	
Contact Tel/Fax	06825-513	10						
E-mail					Technical staff (Nos.)	7		
Population (FY2010/2011)	120,000				Financial statements (2010/2011)	0		
Nos. of households (FY2010/2011)	16,313	· ·			Annual budget (Tk)	270,980,93	37	
Literacy (%)	65.0				Revenue (Tk)	173,013,40	00	
Land area (km²)	47.0				Expenditure (Tk)	146,529,48		
Residential area (km²)	11.7				Computerization		ement, Accounting, Trade license, Salary edule and estimate preparation,	
Residential area pop. density (persons/ha)	102					Engineering, Yearly Procurement.	logical budget preparation,	
Electricity coverage (%)	80.0				Committee formed	riocurement.		
Electricity availability (hrs)					TLCC /Frequency of meeting	Yes, 3 mon	iths	
Summer	8				WATSAN/Frequency of meeting	No		
Winter	10							
D. Non-Piped Water Supply Area								
1. Necessity of Piped Water Supply					Main treatment method in domestic	, Boiling, ,		
Necessity of					As contaminated wells (Nos.)	0		
Piped water	Yes				Arsenic contaminated water supply (%)	0		
Water meter	Yes				Unhygienic drinking water (%)	0		
Reasons	To reduce	wastage.			% of people using neighbor's well for drinking	45		
					Problems in non-piped water supply area	Iron , Wate	r table declining	
Affordability (answered by pourashava staff)				3. F	Potential Water Sources for Non-Piped	Water Su		
Average household income/month (Tk)	15,000				Potential water sources	Evaluation	WQ problems	
Affordability for piped water (Tk/month)	300				Shallow well	None	Iron	
Affordable price in total household income (%)	2.00				Deep well		No problem	
2. Exiting Water Sources in Non-Piped W	ater Suppl	y Area		1	Surface water sources		No problem	
Source	Nos. of source	Drinking (%)	Domestic (%)		Other sources	Yes	-	
River	0	0	0		Decrease of ground water level			
Shallow well	10,000	70	60		Shallow well (m/year)	0.3		
Deep well	40	30	10		Deep well (m/year)	0.3		
Ponds	55	0	30					
Other sources	0	0	0					

Sunderganj

Sundergung						a water supply system	
A. Pourashava Profile							
Class	C				Sanitation coverage		
Division	Rangpur				Latrine with septic tank (%)	18.0	
District	Gaibandha	Gaibandha			Water sealed slab latrine (%)	55.0	
Year established	2003	2003			Water-related diseases	, Diarrhea,	, , Dysentery,
Contact Tel/Fax	Tel: 05427-	Tel: 05427-64070					
E-mail	sundargonjp	undargonjpourashava@gmail.com			Technical staff (Nos.)	4	
Population (FY2010/2011)	22,595				Financial statements (2010/2011)	0	
Nos. of households (FY2010/2011)	3,430				Annual budget (Tk)	23,709,328	3
Literacy (%)	78.0				Revenue (Tk)	8,198,712	
Land area (km²)	6.5				Expenditure (Tk)	8,903,407	
Residential area (km²)	3.1				Computerization		dule and estimate
Residential area pop. density (persons/ha)	72				·	preparation, E budget prepar	ngineering, Yearly logical
Electricity coverage (%)	70.0				Committee formed	buuget prepar	acion, ,
Electricity availability (hrs)					TLCC /Frequency of meeting	Yes, 3 mor	iths
Summer	8				WATSAN/Frequency of meeting	No	
Winter	12						
D. Non-Piped Water Supply Area							
1. Necessity of Piped Water Supply					Main treatment method in domestic	None, , ,	
Necessity of					As contaminated wells (Nos.)	No data	
Piped water	Yes				Arsenic contaminated water supply (%)	0	
Water meter	Yes				Unhygienic drinking water (%)	No data	
Reasons	- To calculat	e the revenu	ie water		% of people using neighbor's well for drinking	10	
	- Ensure the	proper use	of water		Problems in non-piped water supply area	More iron,	The depth of hand
	- Quantity o	f water supp	ly.			pump is no	t enough
Affordability (answered by pourashava staff)				3. F	Potential Water Sources for Non-Pipe	Water Su	pply System
Average household income/month (Tk)	6,000				Potential water sources	Evaluation	WQ problems
	100				Shallow well	Moderate	More Iron
Affordable price in total household income (%)	1.66				Deep well	-	-
2. Exiting Water Sources in Non-Piped W	ater Supply	y Area			Surface water sources	-	-
Source	Nos. of source	Drinking (%)	Domestic (%)		Other sources	No	=
River	0	0	0		Decrease of ground water level		
Shallow well	2,000	100	95		Shallow well (m/year)	Not known	
Deep well	0	0	0		Deep well (m/year)	Not known	
Ponds	200	0	5				
Other sources	0	0	0				

Taherpur

rancipai							
A. Pourashava Profile							
Class			Sanitation coverage				
Division	Rajshahi				Latrine with septic tank (%)	15.0	
District	Rajshahi				Water sealed slab latrine (%)	70.0	
Year established	1999				Water-related diseases	, Diarrhea,	, , Dysentery,
Contact Tel/Fax	Tel: 07236-	53656					
E-mail					Technical staff (Nos.)	8	
Population (FY2010/2011)	30,000				Financial statements (2010/2011)	0	
Nos. of households (FY2010/2011)	3,800				Annual budget (Tk)	75,095,80	7
Literacy (%)	65.0				Revenue (Tk)	16,271,004	4
Land area (km²)	10.8				Expenditure (Tk)	12,813,000	
Residential area (km²)	4.9				Computerization		dule and estimate
Residential area pop. density (persons/ha)	62				,	preparation, E budget prepar	ngineering, Yearly logical
Electricity coverage (%)	56.0				Committee formed	buuget prepar	ation, ,
Electricity availability (hrs)	30.0				TLCC /Frequency of meeting	Yes, 3 mor	nths
Summer	8				WATSAN/Frequency of meeting	No	
Winter	18				www.shirequency or meeting		
D. Non-Piped Water Supply Area	10						
1. Necessity of Piped Water Supply					Main treatment method in domestic	None, , ,	
Necessity of					As contaminated wells (Nos.)	None	
Piped water	Yes				Arsenic contaminated water supply (%)	0	
Water meter	Yes				Unhygienic drinking water (%)	0	
Reasons		asta water an	nd accordingly		% of people using neighbor's well for drinking	30	
Reasons		water colum			Problems in non-piped water supply area		e in the Shallow tube
	,				Problems in non-piped water supply area		own about 14 m.,
Affordability (answered by pourashava staff)				2 0	Potential Water Sources for Non-Pipe		
Average household income/month (Tk)	12.000			3. F	Potential water sources	Evaluation	· · · ·
Affordability for piped water (Tk/month)	,	(ii) Doonlo	will pay acco	ordi.		None	No data
Affordability for piped water (1k/month) Affordable price in total household income (%)	0.00	(ii) reople	wiii pay dCCC	Jiuli	Deep well	High	No problem
2. Exiting Water Sources in Non-Piped W		ν Aroa			Surface water sources	None	Pollution by waste water
Source	Nos. of source		Domestic (%)		Other sources	Yes	- unation by waste water
River	1	0	10		Decrease of ground water level	162	-
Shallow well	3,500	20	65		Shallow well (m/year)	14.0	
	1,200	80	25		Deep well (m/year)	Not known	
Deep well Ponds	0	0	0		Deep well (III/year)	INOU KIIOWN	
	0	0	0				
Other sources	U	U	U				

Talora

Tutoru							
A. Pourashava Profile							
Class	С				Sanitation coverage		
Division	Rajshahi				Latrine with septic tank (%)	25.0	
District	Bogra	ogra			Water sealed slab latrine (%)	50.0	
Year established	2011 (21-A	011 (21-Apr-11)			Water-related diseases	, Diarrhea,	, , Dysentery,
Contact Tel/Fax	Tel : 05042	-53192					
E-mail					Technical staff (Nos.)	3	
Population (FY2010/2011)	30,000				Financial statements (2010/2011)	0	
Nos. of households (FY2010/2011)	4,185				Annual budget (Tk)		
Literacy (%)	65.0				Revenue (Tk)		
Land area (km²)	9.0				Expenditure (Tk)		
Residential area (km²)	3.6				Computerization		dule and estimate
Residential area pop. density (persons/ha)	83					preparation, ,	Yearly logical budget
Electricity coverage (%)	100.0				Committee formed	preparation,,	
Electricity availability (hrs)					TLCC /Frequency of meeting	No	
Summer	15				WATSAN/Frequency of meeting	No	
Winter	20						
D. Non-Piped Water Supply Area							
1. Necessity of Piped Water Supply					Main treatment method in domestic	None, , ,	
Necessity of					As contaminated wells (Nos.)	None	
Piped water	Yes				Arsenic contaminated water supply (%)	0	
Water meter	Yes				Unhygienic drinking water (%)	2	
Reasons	- To measur	e the used w	ater		% of people using neighbor's well for drinking	7	
	quantity				Problems in non-piped water supply area	Not sufficien	t water available in dry
	- To ensure	the proper b	ill			season in all	Tube well.,
Affordability (answered by pourashava staff)				3. F	Potential Water Sources for Non-Pipe	<mark>d</mark> Water Su	ipply System
Average household income/month (Tk)	10,000				Potential water sources	<u>Evaluation</u>	WQ problems
Affordability for piped water (Tk/month)	125				Shallow well	High	Iron (Acceptale limit)
Affordable price in total household income (%)	1.25				Deep well	-	-
2. Exiting Water Sources in Non-Piped W	ater Suppl	y Area			Surface water sources	-	-
Source	Nos. of source	Drinking (%)	Domestic (%)		Other sources	No	-
River	0	0	0		Decrease of ground water level		
Shallow well	3,000	100	90		Shallow well (m/year)	0.2	
Deep well	0	0	0		Deep well (m/year)	Not known	
Ponds	30	0	10				
Other sources	0	0	0				

Tanore

A. Pourashava Profile								
Class	С				Sanitation coverage			
Division	Rajshahi				Latrine with septic tank (%)	30.0		
District	Rajshahi				Water sealed slab latrine (%)	60.0		
Year established	1995				Water-related diseases	, Diarrhea, , , Dysentery,		
Contact Tel/Fax	Tel: 07229-	56040					. , , ,	
E-mail	firajsarkar.mayor@gmail.com				Technical staff (Nos.)	8		
Population (FY2010/2011)	65,000				Financial statements (2010/2011)	0		
Nos. of households (FY2010/2011)	4,985				Annual budget (Tk)	32,681,048	3	
Literacy (%)	76.0				Revenue (Tk)	6,210,000		
Land area (km²)					Expenditure (Tk)	5,485,000		
Residential area (km²)	17.7				Computerization		ment, Accounting, Trade license, Salary	
Residential area pop. density (persons/ha)	37						dule and estimate preparation, logical budget preparation, ,	
Electricity coverage (%)	95.0				Committee formed			
Electricity availability (hrs)					TLCC /Frequency of meeting	Yes, 3 mon	ths	
Summer	14				WATSAN/Frequency of meeting	No		
Winter	22				The state of the s			
D. Non-Piped Water Supply Area								
1. Necessity of Piped Water Supply					Main treatment method in domestic	None, , ,		
Necessity of					As contaminated wells (Nos.)	None		
Piped water	Yes				Arsenic contaminated water supply (%)	0		
Water meter	Yes				Unhygienic drinking water (%)	0		
Reasons	- To save the w	aste wate.			% of people using neighbor's well for drinking	35		
		about water pro	duction and		Problems in non-piped water supply area		table down about 5m, About 20-	
	delivery.					25% Tube wells C layer.	off due to no water in the bottom	
Affordability (answered by pourashava staff)				3. P	Otential Water Sources for Non-Pipe		pply System	
Average household income/month (Tk)	12,000				Potential water sources	Evaluation	WQ problems	
Affordability for piped water (Tk/month)	(i) No idea,	(ii) People	will pay acco	ordir	Shallow well	Moderate	No problem	
Affordable price in total household income (%)	0.00				Deep well	High	No problem	
Exiting Water Sources in Non-Piped Water Supply Area				Surface water sources	None	No data		
Source Nos. of source Drinking (%) Domestic (%)			Other sources	Yes	-			
River	1	0	15		Decrease of ground water level			
Shallow well	3,500	94	70		Shallow well (m/year)	Not known		
Deep well	150	4	0		Deep well (m/year)	Not known		
Ponds	0	2	15					
Other sources	0	0	0					

Tarabo

Tarabo					VVI	th Non-Pipe	d Water Supply System
A. Pourashava Profile							
Class	В				Sanitation coverage		
Division	Dhaka				Latrine with septic tank (%)	55.0	
District	Narayangai	nj			Water sealed slab latrine (%)	25.0	
Year established	2002	002		Water-related diseases		, Diarrhea, Cho	lera, Typhoid, Dysentery, Jondis
Contact Tel/Fax	0						
E-mail	tarabopour	ramayor@g	mal.com		Technical staff (Nos.)	6	
Population (FY2010/2011)	400,000				Financial statements (2010/2011)	0	
Nos. of households (FY2010/2011)	14,000				Annual budget (Tk)	133,940,00	00
Literacy (%)	84.0				Revenue (Tk)	38,940,000)
Land area (km²)	24.6				Expenditure (Tk)	10,085,000)
Residential area (km²)	8.6				Computerization		ement, Accounting, Trade license, Salary
Residential area pop. density (persons/ha)	465						edule and estimate preparation, logical budget preparation, ,
Electricity coverage (%)	95.0				Committee formed		
Electricity availability (hrs)					TLCC /Frequency of meeting	Yes, 1 mor	nth
Summer	14				WATSAN/Frequency of meeting	No	
Winter	18						
D. Non-Piped Water Supply Area							
1. Necessity of Piped Water Supply					Main treatment method in domestic	, Boiling, , F	iltration
Necessity of					As contaminated wells (Nos.)	Do not kno	w
Piped water	Yes				Arsenic contaminated water supply (%)	Do not kno	w
Water meter	Yes				Unhygienic drinking water (%)	20	
Reasons	- To save water and re revenue water (NRW)	duce waste in househo	old, and reduce non-		% of people using neighbor's well for drinking	25	
	- By knowing how muc	ch water we produced s we will know the am			Problems in non-piped water supply area		Ground Water Level,water
		o improve the efficienc				contain high a	mont oh Iron (Fe),
Affordability (answered by pourashava staff)				3. F	Potential Water Sources for Non-Pipe	d Water Su	ipply System
Average household income/month (Tk)	15,000				Potential water sources	<u>Evaluation</u>	<u>WQ problems</u>
Affordability for piped water (Tk/month)	300				Shallow well	High	Iron
Affordable price in total household income (%)	2.00				Deep well	High	Iron
2. Exiting Water Sources in Non-Piped Water	ater Supply	y Area			Surface water sources	Moderate	Industrial waste
Source	Nos. of source	Drinking (%)	Domestic (%)		Other sources	No	-
River	1	0	0		Decrease of ground water level		
Shallow well	7,000	0	60		Shallow well (m/year)	Not known	
Deep well	1,000	100	35		Deep well (m/year)	Not known	
Ponds	45	0	5				
Other sources	0	0	0				

With Non-Piped Water Supply System

Teknaf

A. Pourashava Profile								
Class	С				Sanitation coverage			
Division	Chittagong				Latrine with septic tank (%)	32.0		
District	Cox'sBazar				Water sealed slab latrine (%)	21.0		
Year established	2000				Water-related diseases	, Diarrhea,	, Diarrhea, , Typhoid, Dysentery,	
Contact Tel/Fax	03426-7519	03426-75193						
E-mail	tekpou@ya	hoo.com			Technical staff (Nos.)	1		
Population (FY2010/2011)	25,131				Financial statements (2010/2011)	0		
Nos. of households (FY2010/2011)	4,290				Annual budget (Tk)	18,835,000)	
Literacy (%)	42.0				Revenue (Tk)	10,171,238	3	
Land area (km²)	5.0				Expenditure (Tk)	9,515,360		
Residential area (km²)	1.5				Computerization			
Residential area pop. density (persons/ha)	168					,,,,,,,,		
Electricity coverage (%)	90.0				Committee formed			
Electricity availability (hrs)					TLCC /Frequency of meeting	No		
Summer	5				WATSAN/Frequency of meeting	No		
Winter	11							
D. Non-Piped Water Supply Area								
1. Necessity of Piped Water Supply					Main treatment method in domestic	, , , Filtratio	n	
Necessity of					As contaminated wells (Nos.)	0		
Piped water	Yes				Arsenic contaminated water supply (%)	0		
Water meter	Yes				Unhygienic drinking water (%)	Do not kno	w	
Reasons	1. To continue t				% of people using neighbor's well for drinking	40		
	 To protect/ p To develop t 				Problems in non-piped water supply area		r of this pourashava contains some some tubewells become out of	
	S. TO develop to	ic service with				order		
Affordability (answered by pourashava staff)				3. F	Potential Water Sources for Non-Piped	Water Su	ipply System	
Average household income/month (Tk)	8,000				Potential water sources	Evaluation	<u>WQ problems</u>	
Affordability for piped water (Tk/month)	320				Shallow well	Moderate	Some iron may be present	
Affordable price in total household income (%)	4.00				Deep well	High	Some iron may be present	
2. Exiting Water Sources in Non-Piped W	ater Supply Area			Surface water sources	Moderate	Due to salinity, water cannot be used		
Source	Nos. of source	Drinking (%)	Domestic (%)		Other sources	No	-	
River	0	0	0		Decrease of ground water level			
Shallow well	150 25 50			Shallow well (m/year)	0.4			
Deep well	0 0 0		Deep well (m/year) 0.2					
Ponds	6 0 40							
Other sources	50	75	10					

Ulipur

Olipul							- · · · · · · · · · · · · · · · · · · ·
A. Pourashava Profile							
Class	В				Sanitation coverage		
Division	Rangpur				Latrine with septic tank (%)	24.8	
District	Kurigram				Water sealed slab latrine (%)	72.4	
Year established	1998	998			Water-related diseases	, Diarrhea,	, , Dysentery,
Contact Tel/Fax	Tel: 05829-	el: 05829-56143					
E-mail	mayor.ups(00@gmail.c	om		Technical staff (Nos.)	6	
Population (FY2010/2011)	49,713				Financial statements (2010/2011)	0	
Nos. of households (FY2010/2011)	11,836				Annual budget (Tk)	127,167,42	25
Literacy (%)	80.0				Revenue (Tk)	12,039,342	2
Land area (km²)	27.3				Expenditure (Tk)	11,482,505	5
Residential area (km²)	3.0				Computerization		dule and estimate
Residential area pop. density (persons/ha)	164				·	preparation, E budget prepar	ngineering, Yearly logical
Electricity coverage (%)	74.9				Committee formed	budget prepar	acion, ,
Electricity availability (hrs)					TLCC /Frequency of meeting	No	
Summer	8				WATSAN/Frequency of meeting	No	
Winter	10						
D. Non-Piped Water Supply Area							
1. Necessity of Piped Water Supply					Main treatment method in domestic	None, , ,	
Necessity of					As contaminated wells (Nos.)	0	
Piped water	Yes				Arsenic contaminated water supply (%)	0	
Water meter	Yes				Unhygienic drinking water (%)	1	
Reasons	- To calculate tl	ne revenue wate	er.		% of people using neighbor's well for drinking	10	
	- Ensure the pro				Problems in non-piped water supply area	More iron,	The depth of hand
	- To dentify the	quantity of war	ter supply.			pump is no	enough
Affordability (answered by pourashava staff)				3. F	Potential Water Sources for Non-Pipe	<mark>d</mark> Water Su	pply System
Average household income/month (Tk)	12,000				Potential water sources	<u>Evaluation</u>	WQ problems
Affordability for piped water (Tk/month)	100				Shallow well	Moderate	More iron
Affordable price in total household income (%)	0.83				Deep well	Moderate	More iron
2. Exiting Water Sources in Non-Piped W	ater Suppl	y Area			Surface water sources	-	-
Source	Nos. of source	Drinking (%)	Domestic (%)		Other sources	No	-
River	1	0	0		Decrease of ground water level		
Shallow well	11,700	100	70		Shallow well (m/year)	0.3	
Deep well	15	0	0		Deep well (m/year)	0.3	
Ponds	80	0	30				
Other sources	0	0	0				

Ullapara

4	A. Pourashava Profile							
					Sanitation coverage			
ı	Division	Rajshahi				Latrine with septic tank (%)	15.0	
ı	District	Sirajgonj				Water sealed slab latrine (%)	75.0	
ı	Year established	1994				Water-related diseases	Arsenicosis, Di	arrhea, , Typhoid, Dysentery,
ı	Contact Tel/Fax	Tel: 07529-	-56580					
ı	E-mail	zahurulkaiı	um@yahoo.	.com		Technical staff (Nos.)	7	
ı	Population (FY2010/2011)	61,200				Financial statements (2010/2011)	0	
ı	Nos. of households (FY2010/2011)	7,843				Annual budget (Tk)	304,538,5	54
ı	Literacy (%)	85.0				Revenue (Tk)	25,692,283	2
ı	Land area (km²)	12.7				Expenditure (Tk)	23,365,000	0
ı	Residential area (km²)	7.6				Computerization		agement, Accounting, Trade
ı	Residential area pop. density (persons/ha)	80					. , , ,	ayment, Rate schedule and ation, Engineering, Yearly logical
ı	Electricity coverage (%)	90.0				Committee formed		
ı	Electricity availability (hrs)					TLCC /Frequency of meeting	Yes, 3 mor	nths
ı	Summer	16				WATSAN/Frequency of meeting	No	
ı	Winter	22						
ı	D. Non-Piped Water Supply Area							
1	1. Necessity of Piped Water Supply					Main treatment method in domestic	, Boiling, , F	iltration
	Necessity of					As contaminated wells (Nos.)	Not yet scr	eening
	Piped water	Yes				Arsenic contaminated water supply (%)	Do not kno	w
	Water meter	No				Unhygienic drinking water (%)	Do not kno	w
	Reasons					% of people using neighbor's well for drinking	10	
						Problems in non-piped water supply area		summer due to lowering of
							underground wa	iter tabel level.,
	Affordability (answered by pourashava staff)				3. F	Potential Water Sources for Non-Pipe	Water Su	ipply System
	Average household income/month (Tk)	7,500				Potential water sources	Evaluation	WQ problems
	Affordability for piped water (Tk/month)	150				Shallow well	None	Fe
L	Affordable price in total household income (%)	2.00				Deep well	-	-
1	2. Exiting Water Sources in Non-Piped W	ater Suppl	y Area		1	Surface water sources	None	N
	Source	Nos. of source	Drinking (%)	Domestic (%)		Other sources	No	-
	River	0	0	0		Decrease of ground water level		
	Shallow well	5,000	100	85		Shallow well (m/year)	0.5	
	Deep well	0	0	0		Deep well (m/year)	Not known	
	Ponds	35	0	15				
	Other sources	0	0	0				

Zakiganj

Zukigurij					***	то	d Water Supply System
A. Pourashava Profile							
Class	С				Sanitation coverage		
Division	Sylhet				Latrine with septic tank (%)	15.1	
District	Sylhet				Water sealed slab latrine (%)	18.7	
Year established	1999				Water-related diseases	, Diarrhea,	, Typhoid, Dysentery,
Contact Tel/Fax	08232 - 563	8232 - 56192, 08232 - 56192					
E-mail	pzakigonj@	yahoo.com	ı		Technical staff (Nos.)	7	
Population (FY2010/2011)	20,030				Financial statements (2010/2011)	0	
Nos. of households (FY2010/2011)	2,829				Annual budget (Tk)	33,616,67	5
Literacy (%)	50.0				Revenue (Tk)	3,144,894	
Land area (km²)	7.2				Expenditure (Tk)	2,664,866	
Residential area (km²)	1.8				Computerization		dule and estimate
Residential area pop. density (persons/ha)	110				·		ngineering, Yearly logical ation, Procurement,
Electricity coverage (%)	70.0				Committee formed	budget prepar	ation, rrocurement,
Electricity availability (hrs)				TLCC /Frequency of meeting Yes, 3 months			
Summer	15			WATSAN/Frequency of meeting Yes, 6 months			
Winter	18					·	
D. Non-Piped Water Supply Area							
1. Necessity of Piped Water Supply					Main treatment method in domestic	, , , Filtratio	n
Necessity of					As contaminated wells (Nos.)	21	
Piped water	Yes				Arsenic contaminated water supply (%)	0 (All the arseni	c contaminated wells are marked)
Water meter	Yes				Unhygienic drinking water (%)	0	
Reasons	Poura people	did not get pu	ure water at		% of people using neighbor's well for drinking	10	
	all, but they h				Problems in non-piped water supply area	Scarcity of p	ure drinking water., Water
	water neter b	ill of their ow	n			contaminate	d disease increases.
Affordability (answered by pourashava staff)				3. F	Potential Water Sources for Non-Pipe	<mark>d</mark> Water Տւ	ipply System
Average household income/month (Tk)	15,000				Potential water sources	Evaluation	
Affordability for piped water (Tk/month)	300				Shallow well		High conc. of iron
Affordable price in total household income (%)	2.00				Deep well	High	Less conc. of iron
2. Exiting Water Sources in Non-Piped Water	ater Suppl	/ Area		,	Surface water sources	Moderate	Turbid water contains glass factory waste from India.
Source	Nos. of source	Drinking (%)	Domestic (%)		Other sources	No	-
River	1	0	8		Decrease of ground water level		
Shallow well	930	40	30		Shallow well (m/year)	0.8	
Deep well	4	30	20		Deep well (m/year)	0.3	
Ponds	302	0	25				
Other sources	627	30	17				
·							

Index

List of Pourashavas with Piped Water Supply System (by division and by district)

Division	District	Piped Pourashava Name	Ref. No.*	Page No.
Barisal	Barguna	Amtali	BS-P-2	1
Barisal	Barguna	Barguna	BS-P-1	11
Barisal	Barguna	Patharghata	BS-P-3	205
Barisal	Barisal	Bakerganj	BS-P-6	7
Barisal	Barisal	Gowrnadi	BS-P-4	83
Barisal	Barisal	Mehendiganj	BS-P-7	151
Barisal	Bhola	Bhola	BS-P-8	25
Barisal	Bhola	Borhanuddin	BS-P-11	31
Barisal	Bhola	Charfeshon	BS-P-10	43
Barisal	Bhola	Lalmohon	BS-P-9	137
Barisal	Jhalakati	Jhalakati	BS-P-12	101
Barisal	Patuakhali	Galachipa	BS-P-15	71
Barisal	Patuakhali	Kalapara	BS-P-16	109
Barisal	Patuakhali	Patuakhali	BS-P-14	207
Barisal	Pirojpur	Pirojpur (ADB)	BS-P-18	209
Barisal	Pirojpur	Sarupkathi	BS-P-17	233
Chittagong	Bandarban	Bandarban	CG-P-1	9
Chittagong	Brahmanbaria	Brahmanbaria (ADB)	CG-P-3	33
Chittagong	Chandpur	Cengarchar	CG-P-9	35
Chittagong	Chandpur	Chandpur	CG-P-4	39
Chittagong	Chandpur	Hazigani	CG-P-5	87
Chittagong	Chandpur	Kachua	CG-P-7	107
Chittagong	Chandpur	Matlab	CG-P-8	149
Chittagong	Chandpur	Saharasti	CG-P-6	225
Chittagong	Comilla	Barora	CG-P-17	13
Chittagong	Comilla	Chandina	CG-P-16	37
Chittagong	Comilla	Daudkandi	CG-P-15	57
Chittagong	Comilla	Laksham	CG-P-14	133
Chittagong	Cox's Bazar	Cox's Bazar	CG-P-18	53
Chittagong	Feni	Feni	CG-P-20	63
Chittagong	Khagrachari	Khagrachari	CG-P-22	119
Chittagong	Khagrachari	Ramgarh	CG-P-23	217
Chittagong	Lakshmipur	Lakshmipur (ADB)	CG-P-25	135
Chittagong	Lakshmipur	Ramganj	CG-P-27	215
Chittagong	Lakshmipur	Raypur	CG-P-26	223
Chittagong	Noakhali	Chowmohoni	CG-P-28	49
Chittagong	Noakhali	Kabirhat	CG-P-30	105
Chittagong	Noakhali	Noakhali	CG-P-29	193
Chittagong	Rangamati	Rangamati	CG-P-32	219
Dhaka	Dhaka	Savar (JICA2)	DK-P-1	237
Dhaka	Faridpur	Bhanga	DK-P-3	19
Dhaka	Faridpur	Faridpur	DK-P-3	61
Dhaka	Gazipur	Gazipur	DK-P-2 DK-P-6	73
Dhaka	'	·	+	267
	Gazipur	Tongi DK-P-4		
Dhaka	Gopalgani	Gopalgonj	DK-P-7	77
Dhaka	Gopalganj	Tongipara	DK-P-8	269
Dhaka Dhaka	Jamalpur Jamalpur	Jamalpur Sarisabari	DK-P-10 DK-P-11	97 231

Division	District	Piped Pourashava Name	Ref. No.*	Page No.
Dhaka	Kishorganj	Bajitpur	DK-P-14	5
Dhaka	Kishorganj	Bhairab	DK-P-13	17
Dhaka	Kishorganj	Katiadi	DK-P-15	117
Dhaka	Kishorganj	Kishorganj	DK-P-12	121
Dhaka	Madaripur	Kalkini	DK-P-18	115
Dhaka	Madaripur	Madaripur (ADB)	DK-P-16	141
Dhaka	Manikganj	Manikganj (JICA2)	DK-P-19	147
Dhaka	Munshiganj	Mirkadim	DK-P-21	155
Dhaka	Munshiganj	Munshiganj	DK-P-20	169
Dhaka	Mymensingh	Gouripur	DK-P-24	81
Dhaka	Mymensingh	Muktagacha	DK-P-23	165
Dhaka	Mymensingh	Mymensingh (ADB)	DK-P-22	171
Dhaka	Mymensingh	Trisal	DK-P-25	271
Dhaka	Narshingdi	Ghorasal	DK-P-27	75
Dhaka	Narshingdi	Monohordi	DK-P-29	161
Dhaka	Narshingdi	Narshingdi (ADB)	DK-P-26	185
Dhaka	Narshingdi	Shibpur	DK-P-28	251
Dhaka	Netrokona	Netrokona (ADB)	DK-P-32	189
Dhaka	Rajbari	Pangsa	DK-P-35	201
Dhaka	Rajbari	Rajbari	DK-P-34	213
Dhaka	Shariatpur	Damoda	DK-P-38	55
Dhaka	Shariatpur	Jajira	DK-P-37	95
Dhaka	Sherpur	Nalitabari	DK-P-42	175
Dhaka	Shariatpur	Naria	DK-P-39	183
Dhaka	Shariatpur	Shariatpur	DK-P-36	245
Dhaka	Sherpur	Sherpur	DK-P-41	249
Dhaka	Shariatpur	Vedarganj	DK-P-40	273
Dhaka	Tangail	Gopalpur	DK-P-44	79
Dhaka	Tangail	Tangail	DK-P-43	263
Khulna	Bagerhat	Bagerhat	KN-P-1	3
Khulna	Bagerhat	Monglaport	KN-P-2	159
Khulna	Chuadanga	Chuadanga	KN-P-4	51
Khulna	Jessore	Jessore (ADB)	KN-P-7	99
Khulna	Jessore	Noapara	KN-P-8	195
Khulna	Jessore	Zhikargacha	KN-P-9	275
Khulna	Jhenaidah	Kaliganj	KN-P-26	113
Khulna	Jhenaidah	Kothchandpur	KN-P-12	123
Khulna	Jhenaidah	Jhenaidah (ADB)	KN-P-11	103
Khulna	Jhenaidah	Mohespur	KN-P-13	157
Khulna	Jhenaidah	Sailakupa	KN-P-14	227
Khulna	Kushtia	Bheramara	KN-P-19	23
Khulna	Kushtia	Kushtia	KN-P-16	129
Khulna	Kushtia	Kumarkhali	KN-P-17	125
Khulna	Magura	Magura	KN-P-20	145
Khulna	Meherpur	Meherpur	KN-P-21	153
Khulna	Narail	Kalia	KN-P-23	111
Khulna	Narail	Narail	KN-P-22	181
Khulna	Satkhira	Satkhira	KN-P-24	235
Rajshahi	Bogra	Bogra	RJ-P-1	29
Rajshahi	Bogra	Gabtali	RJ-P-3	67
Rajshahi	Bogra	Santahar	RJ-P-2	229
Rajshahi	Chapainawabganj	Chapainawabganj	RJ-P-11	41
Rajshahi	Chapainawabganj	Rahanpur	RJ-P-12	211
~j=		Jaipurhat (ADB)	RJ-P-4	

Division	District	Piped Pourashava Name	Ref. No.*	Page No.
Rajshahi	Natore	Gurudaspur	RJ-P-8	85
Rajshahi	Naogaon	Najipur	RJ-P-7	173
Rajshahi	Naogaon	Naogaon	RJ-P-6	177
Rajshahi	Natore	Natore (ADB)	RJ-P-10	187
Rajshahi	Natore	Singra	RJ-P-9	253
Rajshahi	Pabna	Bera	RJ-P-14	15
Rajshahi	Pabna	Bhangura	RJ-P-17	21
Rajshahi	Pabna	Chatmohar	RJ-P-16	47
Rajshahi	Pabna	Ishwardi	RJ-P-15	91
Rajshahi	Pabna	Pabna	RJ-P-13	197
Rajshahi	Pabna	Shathia	RJ-P-18	247
Rajshahi	Pabna	Sujanagar	RJ-P-21	259
Rajshahi	Rajshahi	Charghat	RJ-P-22	45
Rajshahi	Rajshahi	Mundumala	RJ-P-23	167
Rajshahi	Rajshahi	Naohata	RJ-P-24	179
Rajshahi	Sirajganj	Shahjadpur	RJ-P-20	243
Rajshahi	Sirajganj	Sirajganj (ADB)	RJ-P-19	255
Rangpur	Dinajpur	Birampur	Birampur RP-P-4	
Rangpur	Dinajpur	Dinajpur	RP-P-3	59
Rangpur	Dinajpur	Fulbari	RP-P-7	65
Rangpur	Dinajpur	Parbatipur	RP-P-5	203
Rangpur	Dinajpur	Setabganj	RP-P-6	241
Rangpur	Gaibandha	Gaibandha	RP-P-1	69
Rangpur	Kurigram	Kurigram	RP-P-11	127
Rangpur	Lalmonirhat	Lalmonirhat	RP-P-13	139
Rangpur	Nilphamari	Nilphamari	RP-P-10	191
Rangpur	Nilphamari	Sayedpur	RP-P-9	239
Rangpur	Panchagarh	Panchagarh	RP-P-12	199
Rangpur	Rangpur	Rangpur	RP-P-2	221
Rangpur	Thakurgaon	Thakurgaon	RP-P-8	265
Sylhet	Hobiganj	Hobiganj	SL-P-1	89
Sylhet	Hobiganj	Madhabpur	SL-P-2	143
Sylhet	Moulavibazar	Moulavibazar (ADB)	SL-P-4	163
Sylhet	Moulavibazar	Sreemongal	SL-P-5	257
Sylhet	Sunamganj	Sunamganj	SL-P-9	261

^{*} Reference No. is corresponding to serial No. of data sheet in CD.

List of Pourashavas without Piped Water Supply System (by division and by district)

Division	District	Non-piped Pourashava Name	Ref. No.*	Page No.
Barisal	Barguna	Betagi	BS-N-1	288
Barisal	Barisal	Banaripara	BS-N-7	283
Barisal	Barisal	Muladi(JICA)	BS-N-2	337
Barisal	Bhola	Doulatkhan	BS-N-3	303
Barisal	Jhalakati	Nalchity	BS-N-8	341
Barisal	Patuakhali	Bauphal	BS-N-4	286
Barisal	Patuakhali	Kuakata	BS-N-5	327
Barisal	Pirojpur	Mathbaria(JICA)	BS-N-6	332
Chittagong	Bandarban	Lama	CG-N-31	329
Chittagong	Brahmanbaria	Akhaura	CG-N-3	277
Chittagong	Brahmanbaria	Kasba	CG-N-1	323
Chittagong	Brahmanbaria	Nabinagar(JICA)	CG-N-2	338
Chittagong	Chandpur	Faridganj	CG-N-4	305
Chittagong	Chittagong	Banshkhali	CG-N-10	283
Chittagong	Chittagong	Baraiarhat	CG-N-7	284
Chittagong	Chittagong	Chandanaish	CG-N-9	294
Chittagong	Chittagong	Fhatikchari	CG-N-11	306
Chittagong	Chittagong	Mirsharai	CG-N-8	334
Chittagong	Chittagong	Patia	CG-N-29	346
Chittagong	Chittagong	Rangunia	CG-N-6	349
Chittagong	Chittagong	Rawjan	CG-N-33	350
Chittagong	Chittagong	Satkania	CG-N-5	353
Chittagong	Chittagong	Shandia	CG-N-27	354
Chittagong	Chittagong	Shitakunda	CG-N-28	356
Chittagong	Comilla	Chauddagram	CG-N-15	295
Chittagong	Comilla	Debiddar	CG-N-12	298
Chittagong	Comilla	Homna	CG-N-14	314
Chittagong	Comilla	Nagalcoat	CG-N-13	339
Chittagong	Cox's Bazar	Chakoria	CG-N-32	293
Chittagong	Cox's Bazar	Moheskhali	CG-N-17	335
Chittagong	Cox's Bazar	Teknaf	CG-N-16	363
Chittagong	Feni	Cagalnaiya	CG-N-30	292
Chittagong	Feni	Daganbhuiyan	CG-N-18	297
Chittagong	Feni	Parsuram	CG-N-19	345
Chittagong	Feni	Sonagazi	CG-N-20	357
Chittagong	Khagrachari	Matiranga	CG-N-34	333
Chittagong	Lakshmipur	Ramgati	CG-N-21	348
Chittagong	Noakhali	Basurhat	CG-N-24	286
Chittagong	Noakhali	Chatkhil(JICA)	CG-N-25	294
Chittagong	Noakhali	Haita	CG-N-23	312
Chittagong	Noakhali	Senbagh	CG-N-26	353
Chittagong	Noakhali	Sonaimuri	CG-N-22	358
Chittagong	Rangamati	Baghaichari	CG-N-35	282
Dhaka	Dhaka	Dhamrai(JICA2)	DK-N-1	300
Dhaka	Dhaka	Dohar(JICA)	DK-N-2	302
Dhaka	Faridpur	Boalmari	DK-N-4	291
Dhaka	Faridpur	Nagarkanda	DK-N-3	340
Dhaka	Mymensingh	Nandail	DK-N-20	342
Dhaka	Mymensingh	Phulpur	DK-N-21	347
Dhaka	Gazipur	Kaliakoir	DK-N-6	320

Division	District	Non-piped Pourashava Name		Page No.	
Dhaka	Gazipur	Kaliganj	DK-N-48	320	
Dhaka	Gazipur	Sreepur	DK-N-5	360	
Dhaka	Gopalganj	Muksudpur	DK-N-7	337	
Dhaka	Jamalpur	Dewanganj	DK-N-11	299	
Dhaka	Jamalpur	Islampur	DK-N-9	316	
Dhaka	Jamalpur	Madarganj	DK-N-8	330	
Dhaka	Jamalpur	Melandaha	DK-N-10	333	
Dhaka	Kishorganj	Hossainpur	DK-N-14	315	
Dhaka	Kishorganj	Karimganj	DK-N-13	323	
Dhaka	Kishorganj	Kuliarchar	DK-N-12	328	
Dhaka	Kishorganj	Pakundia	DK-N-15	344	
Dhaka	Madaripur	Shibchar	DK-N-44	355	
Dhaka	Manikganj	Singair(JICA2)	DK-N-16	357	
Dhaka	Mymensingh	Bhaluka	DK-N-18	288	
Dhaka	Mymensingh	Fhulbaria	DK-N-22	306	
Dhaka	Mymensingh	Gafargaon	DK-N-17	307	
Dhaka	Mymensingh	Ishwarganj	DK-N-19	315	
Dhaka	Narayanganj	Araihazar	DK-N-46	279	
Dhaka	Narayanganj	Gopaldi	DK-N-47	311	
Dhaka	Narayanganj	Kanchan	DK-N-27	322	
Dhaka	Narayanganj	Sonargaon	DK-N-25	358	
Dhaka	Narayanganj	Tarabo	DK-N-26	362	
Dhaka	Narshingdi	Madhabdi(JICA)	DK-N-23	331	
Dhaka	Narshingdi	Raypura	DK-N-24	350	
Dhaka	Netrokona	,,	DK-N-24	303	
Dhaka	Netrokona	Durgapur Kendua	DK-N-30 DK-N-28	325	
Dhaka		Madan			
	Netrokona		DK-N-29	330	
Dhaka	Netrokona	Mohonganj	DK-N-45	336	
Dhaka	Rajbari	Goalandaghat	DK-N-31 DK-N-32	309 312	
Dhaka	Shariatpur	Goshairhat	t	+	
Dhaka	Sherpur	Nakla	DK-N-34	341	
Dhaka	Sherpur	Sreebardi	DK-N-33	369	
Dhaka	Tangail	Bashail	DK-N-43	285	
Dhaka	Tangail	Bhuapur	DK-N-40	289	
Dhaka	Tangail	Dhanbari	DK-N-41	300	
Dhaka	Tangail	Elanga	DK-N-42	304	
Dhaka	Tangail	Ghatail	DK-N-35	308	
Dhaka	Tangail	Kalihati	DK-N-38	321	
Dhaka	Tangail	Sakhipur	DK-N-37	352	
Dhaka	Tangail	Madhupur	DK-N-39	331	
Dhaka	Tangail	Mirzapur	DK-N-36	335	
Khulna	Bagerhat	Morolganj	KN-N-16	336	
Khulna	Chuadanga	Alamdanga(JICA)	KN-N-1	278	
Khulna	Chuadanga	Darshana	KN-N-13	297	
Khulna	Chuadanga	Jibonnagar	KN-N-12	317	
Khulna	Jessore	Bagherpara	KN-N-5	282	
Khulna	Jessore	Benapol	KN-N-2	287	
Khulna	Jessore	Chaugachha	KN-N-3	296	
Khulna	Jessore	Keshobpur	KN-N-15	325	
Khulna	Jessore	Manirampur(JICA)	KN-N-4	332	
Khulna	Jhenaidah	Harinakunda	KN-N-6	314	
Khulna	Khulna	Chalna	KN-N-8	293	
Khulna	Khulna	Paikgacha	KN-N-17	343	
Khulna	Kushtia	Khoksa	KN-N-9	327	

Division	District	Non-piped Pourashava Name	Ref. No.*	Page No.
Khulna	Kushtia	Mirpur	KN-N-14	334
Khulna	Meherpur	Gangni	KN-N10	307
Khulna	Narail	Lohagara	KN-N11	329
Khulna	Satkhira	Kalaroa	KN-N-18	319
Rajshahi	Bogra	Dhunat	RJ-N-9	301
Rajshahi	Bogra	Dhupchachia	RJ-N-4	301
Rajshahi	Bogra	Kahaloo	RJ-N-7	318
Rajshahi	Bogra	Nandigram	RJ-N-2	343
Rajshahi	Bogra	Sariakandi	RJ-N-3	352
Rajshahi	Bogra	Sherpur	RJ-N-1	354
Rajshahi	Bogra	Shibganj	RJ-N-6	355
Rajshahi	Bogra	Sonatala	RJ-N-5	359
Rajshahi	Bogra	Talora	RJ-N-8	361
Rajshahi	Chapainawabganj	Nachole	RJ-N-20	339
Rajshahi	Chapainawabganj	Shibganj(JICA)	RJ-N-19	356
Rajshahi	Jaipurhat	Akkelpur	RJ-N-11	278
Rajshahi	Jaipurhat	Kalai	RJ-N-12	319
Rajshahi	Jaipurhat	Khatlal	RJ-N-42	326
Rajshahi	Jaipurhat	Panchbibi	RJ-N-10	345
Rajshahi	Pabna	Athgharia	RJ-N-23	280
Rajshahi	Naogaon	Dhamirhat	RJ-N-13	299
Rajshahi	Natore	Bagatipara	RJ-N-17	281
Rajshahi	Natore	Baraigram	RJ-N-18	284
Rajshahi	Natore	Bonapara	RJ-N-15	292
Rajshahi	Natore	Gopalpur	RJ-N-14	311
Rajshahi	Natore	Naldanga	RJ-N-16	342
Rajshahi	Pabna	Faridpur	RJ-N-22	305
Rajshahi	Rajshahi	Arani	RJ-N-36	279
Rajshahi	Rajshahi	Bagha	RJ-N-29	281
Rajshahi	Rajshahi	Bhawaniganj	RJ-N-28	289
Rajshahi	Rajshahi	Durgapur	RJ-N-37	304
Rajshahi	Rajshahi	Godagari(JICA)	RJ-N-24	310
Rajshahi	Rajshahi	Kakanhat	RJ-N-30	318
Rajshahi	Rajshahi	Katakhali	RJ-N-34	324
Rajshahi	Rajshahi	Keshorehat	RJ-N-35	326
Rajshahi	Rajshahi	Puthia	RJ-N-32	348
Rajshahi	Rajshahi	Taherpur	RJ-N-25	361
Rajshahi	Rajshahi	Tanore	RJ-N-26	362
Rajshahi	Sirajganj	Belkuchi	RJ-N-38	287
Rajshahi	Sirajganj	Kazipur	RJ-N-40	324
Rajshahi	Sirajganj	Royganj	RJ-N-39	351
Rajshahi	Sirajganj	Ullahpara	RJ-N-41	364
Rangpur	Dinajpur	Birganj	RP-N-8	290
Rangpur	Dinajpur	Hakimpur	RP-N-7	313
Rangpur	Gaibandha	Palashbari	RP-N-3	344
Rangpur	Gaibandha	Sunderganj	RP-N-1	360
Rangpur	Kurigram	Nagashwari	RP-N-13	340
Rangpur	Kurigram	Ulipur	RP-N-14	363
Rangpur	Lalmonirhat	Patgram	RP-N-16	346
Rangpur	Nilphamari	Domar	RP-N-12	302
Rangpur	Nilphamari	Jaldhaka	RP-N-11	317
Rangpur	Dinajpur	Ghoraghat	RP-N-6	308
Rangpur	Gaibandha	Gobindaganj	RP-N-2	309
Rangpur	Panchagarh	Boda	RP-N-15	291

Division	District	Non-piped Pourashava Name	Ref. No.*	Page No.
Rangpur	Rangpur	Badarganj	RP-N-5	280
Rangpur	Rangpur	Haragacha	RP-N-4	313
Rangpur	Thakurgaon	Pirganj	RP-N-9	347
Rangpur	Thakurgaon	Ranisankail	RP-N-10	349
Sylhet	Hobiganj	Ajmiriganj	SL-N-3	277
Sylhet	Hobiganj	Chunarughat	SL-N-1	296
Sylhet	Hobiganj	Nabiganj	SL-N-9	338
Sylhet	Hobiganj	Saistaganj(JICA)	SL-N-2	351
Sylhet	Moulavibazar	Barlekha	SL-N-4	285
Sylhet	Moulavibazar	Kamalganj	SL-N-5	321
Sylhet	Moulavibazar	Kulaura	SL-N-13	328
Sylhet	Sunamganj	Chattak	SL-N-11	295
Sylhet	Sunamganj	Derai	SL-N-12	298
Sylhet	Sunamganj	Jagannathpur	SL-N-8	316
Sylhet	Sylhet	Biyanibazar	SL-N-10	290
Sylhet	Sylhet	Golapganj	SL-N-14	310
Sylhet	Sylhet	Kanaighat(JICA) SL-N-7		322
Sylhet	Sylhet	Zakiganj	SL-N-6	364

^{*} Reference No. is corresponding to serial No. of data sheet in CD.