

**Local Government Engineering Department
People's Republic of Bangladesh**

**The Project for Developing
Inclusive City Governance
for City Corporation**

Final Report

Volume 4

RpCC Edition

March 2014

JAPAN INTERNATIONAL COOPERATION AGENCY

PADECO Co., Ltd.

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CR (3)
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Contents

PART 1 Infrastructure Development Plan of RpCC

Chapter 1 Introduction	1
1.1 Background of IDPCC	1
1.2 Institutional Structure for IDPCC Management	1
Chapter 2 Present Condition of RpCC	4
2.1 Present Natural Condition of RpCC	4
2.2 Socio Economic Condition of RpCC	8
2.3 Present Urban Planning of RpCC	11
2.4 Present Infrastructure of RpCC	13
Chapter 3 Vision and Goal Setting.....	15
3.1 Preliminary Analysis	15
3.2 Vision of RpCC as Development Slogan	17
3.3 Approaches of Infrastructure Development	17
3.4 Priority of Infrastructure Sub-Sectors and Their Issues	18
Chapter 4 Preparation of Inclusive Subproject List	20
4.1 Analysis of Existing Infrastructure by Category	20
4.2 Nomination of Project Ideas	21
4.3 Inclusive List of Infrastructure Development in RpCC	24
Chapter 5 Planning, Implementation, Evaluation and O&M Arrangement	27
5.1 Planning of IDPCC of RpCC	27
5.2 Implementation of IDPCC	28
5.3 Evaluation of IDPCC Subprojects	28
5.4 Operation and Maintenance Arrangement.....	30
Chapter 6 Financial Planning of RpCC	31
6.1 Overview	31
6.2 Infrastructure Budget	31
Chapter 7 Amendment of Rolling Plan.....	34
7.1 Concept of Rolling Plan.....	34
7.2 Institution and Authority of Revise.....	34
7.3 Revising Subproject List of IDPCC.....	34
7.4 Renewal of IDPCC in Three Years	35
 PART 2 Governance and Financial Reform Program	
Chapter 8 Governance and Financial Reform Program	35
8.1 Administrative Reform Plan (ARP) of RpCC	35
8.2 Financial Planning of RpCC	37

PART 3 JICA Loan Projects

Chapter 9 JICA Loan Projects.....	47
9.1 Selection of JICA Loan Projects.....	47
9.2 Selection Results	48
Chapter 10 Baseline Survey and Economic Analysis	73
10.1 Baseline Survey and Target for Performance Indicator	73
10.2 Economic Analysis	81

Annexes

Annex B-1 Population	B-1
Annex B-2 Historical Changes of RpCC	B-8
Annex D-1 Inclusive List of Infrastructure Development in RpCC	D-1
Annex H-1 Administrative Reform Plan of RpCC	H-1
Annex H-2 Function Performance Analysis and 5 Year Action Plan	H-25

Figures

Figure 1-1: Institutional Structure for IDPCC Management	2
Figure 2-1: Average Minimum and Maximum Temperature in RpCC	4
Figure 2-2: Average Rainfall in RpCC.....	4
Figure 2-3: Map of Rangpur District	7
Figure 7-1: Subproject Ideas and Funding	34
Figure 7-2: Replacement of Subprojects in Inclusive List	35
Figure 9-1: Location of Short Listed Subprojects.....	72

Tables

Table 1-1: Components of the Institutional Structure	2
Table 2-1: Average Annual Flow of Water	5
Table 2-2: Soil Data Analysis of Rangpur	8
Table 2-3: Population Summary of RpCC (2011).....	8
Table 2-4: Summary of Literacy Status of RpCC (2011).....	8
Table 2-5: Social Services (Major Facilities) of RpCC.....	9
Table 2-6: Rangpur District Industrial Gross Value Added (2005–06, in thousand BDT)	9
Table 2-7: List of Cold Facilities, Address, and Capacity	9
Table 2-8: List of Industries Located at Rangpur	10
Table 2-9: List of Master Plans.....	12
Table 3-1: Projection of Population in RpCC.....	15
Table 3-2: Resources Available in RpCC	16
Table 3-3: Industrial Projection of RpCC.....	16
Table 3-4: Vision of RpCC.....	17
Table 3-5: Development Objectives for RpCC Infrastructure Development.....	17
Table 3-6: Priority of Infrastructure Sub-sector and Their Issues	18
Table 3-7: Five-Year Infrastructure Development Goals	19
Table 3-8: Twenty-Five Year Infrastructure Development Goals	19
Table 4-1: Analysis of Existing Infrastructure in RpCC	20
Table 4-2: Summary of Existing and Proposed Infrastructure (Transportation).....	21
Table 4-3: Summary of Existing and Proposed Infrastructure (Drainage)	22
Table 4-4: Summary of Existing and Proposed Infrastructure (SWM).....	22
Table 4-5: Summary of Existing and Proposed Infrastructure (WSS)	22
Table 4-6: Summary of Existing and Proposed Infrastructure (Sanitation).....	23
Table 4-7: Summary of Existing and Proposed Infrastructure (Municipal Facilities)	23
Table 4-8: Summary of Inclusive Infrastructure Development Project List.....	25
Table 5-1: Suggested Indicators for Subproject Evaluation	29
Table 6-1: RpCC Revenues and Expenditures over the Past Three Years.....	32
Table 6-2: Example of External Funding Sources for Infrastructure Projects.....	32
Table 6-3: Example of External Funding Sources of Infrastructure Planning.....	33
Table 8-1: Prioritized Infrastructure Topics and Strategies	35
Table 8-2: RpCC Revenues and Expenditures for the Past Three Years	38

Table 8-3: RpCC Holding Tax Rate.....	39
Table 8-4: Number of Holdings in RpCC.....	39
Table 8-5: RpCC Tax Collection Efficiency.....	40
Table 8-6: RpCC Tax Revenues for 2012–13.....	41
Table 8-7: Water Tariff in RpCC.....	42
Table 8-8: RpCC Water Supply Revenues and Expenditures.....	42
Table 8-9: RpCC Waste Management Revenues and Expenditures.....	43
Table 8-10: RpCC Fee Revenues over the Past Three Years.....	44
Table 9-1: JICA Project List from RpCC.....	47
Table 9-2: Reorganized Subproject Number and Cost.....	49
Table 9-3: Priority Evaluation Results.....	51
Table 9-4: Preliminary Review on Environmental and Social Consideration.....	56
Table 9-5: Priority and Cumulative Cost for Select Subprojects in Stage 2.....	64
Table 9-6: Cost of Individual Selected Subprojects in Stage 2.....	64
Table 9-7: Readiness Assessment Results.....	67
Table 9-8: Selected Subprojects in Stage 3 (Tentative).....	69
Table 9-9: Selected Subprojects after Estimation.....	71
Table 9-10: Sector-wise Summary of Selected Subprojects.....	72
Table 10-1: Selected RpCC Road/Bridge Subprojects for Road/Bridge.....	73
Table 10-2: Traffic Count Survey Results (City Road).....	74
Table 10-3: Traffic Count Survey Results (Connector Road).....	75
Table 10-4: Traffic Count Survey Results (Local Road).....	75
Table 10-5: Selected RpCC Drainage Subprojects.....	76
Table 10-6: Length of Existing RpCC Drainage System.....	77
Table 10-7: Selected RpCC Street Lighting Subprojects.....	77
Table 10-8: Selected RpCC Water Supply Subprojects.....	79
Table 10-9: Selected RpCC Bus/Truck Terminal Subprojects.....	80

List of Abbreviations

ADB	Asian Development Bank
ADP	Annual Development Program
BBS	Bangladesh Bureau of Statistics
BDT	Bangladesh Taka
BTTB	Bangladesh Telegraph and Telephone Board
C/P	Counterpart
CBO	Community Based Organization
CC	City Corporation
CD	Capacity Development
CPU	Comprehensive Planning Unit
CSCC	Civil Society Coordination Committee
DAP	Detailed Area Plan
DG	Director General
DMDP	Dhaka Metropolitan Development Plan
DOE	Department of Environment
DPHE	Department of Public Health and Engineering
ECA	Environment Conservation Act
ECC	Environmental Clearance Certificate
ECR	Environmental Conservation Rules
ED	Engineering Department (of CC)
EIA	Environmental Impact Assessment
EMP	Environmental Management Plan
GOB	Government of Bangladesh
GOJ	Government of Japan
HD	Health Department
ICGP (Loan)	Inclusive City Governance Project (JICA Loan Project)
ICGP (Prep)	The Technical Corporation Project for Development Planning for Inclusive City Governance (Preparatory project of the above mentioned ICGP (Loan))
ICT	Information Communication Technology
IDPCC	Infrastructure Development Plan of City Corporation

IEE	Initial Environmental Examination
JICA	Japan International Cooperation Agency
LGD	Local Government Division
LGED	Local Government Engineering Department
M/M	Minutes of Meeting
MOEF	Ministry of Environment and Forestry
MoLGRD&C	Ministry of Local Government Rural Development & Cooperatives
NGO	Non-government organization
NOC	No objection Certificate
PAP	Project Affected Person
PD	Project Director
PIUCC	Project Implementation Unit at City Corporation
PS	Pourashava (a type of municipality in Bangladesh)
RAJUK	Rajdhani Unnayan Karttripakkha (Capital Development Authority of the Government of Bangladesh)
R/D	Record of Discussion
RHD	Road and Highway Department
RpCC	Rangpur City Corporation
SC	Steering Committee
SCM	Stakeholder Committee Meeting (name was changed from Stakeholder Meeting (SM))
SWM	Solid Waste Management
TLCC	Town Level Coordination Committee
TOR	Terms of Reference
UGIAP	Urban Governance Improvement Action Program
UGIIP	Urban Governance and Infrastructure Improvement (Sector) Project
UPPR	Urban Poor Promotion Project

PART 1

Infrastructure Development Plan of RpCC

Chapter 1 Introduction

1.1 Background of IDPCC

Rangpur was declared as Bangladesh’s 10th City Corporation (RpCC) on 28th June 2012. The first mayor and council election was held in December 2012. The new Mayor took the oath on 5th February 2013. The city’s history dates back to the time when the armies of the Mughal Empire came to Rangpur in the 16th Century. Rangpur later became a part of the Empire in 17th Century. In 1869, Rangpur became a municipality under British governance and it is one of the oldest municipalities in Bangladesh.

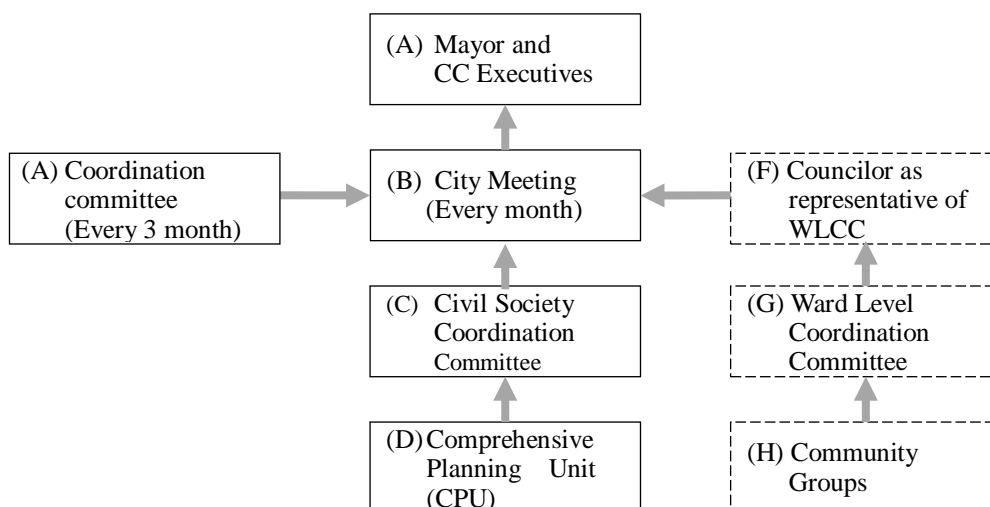
However, the newly born RpCC is just in its infancy in developing its administration system. It has not established a planning system for public services. The Infrastructure Development Plan of CC (IDPCC) represents a framework for CCs to manage or coordinate overall infrastructure development in the territory of the City Corporation.

Typically, a City Corporation (including the previous PS) has several infrastructure project lists from different funding sources such as JICA, ADB, WB, DPP (LGRD) and the CC itself. Meanwhile, other National Government agencies have their own project plans. These lists have never been combined into an “inclusive list”. Thus, coordinated and inclusive public services have been weak within the CC territory as a whole. IDPCC includes an inclusive list of infrastructure that is to be implemented in five (5) years. This is a first initial stage for City Corporation to develop an inclusive style of city governance.

The IDPCC is intended to be a rolling or “living” plan – requirements and infrastructure priorities always change – with completed projects removed from the plan. Therefore, the development plan shall be reviewed every three years, with minor changes made each year. The initial IDPCC includes projects in various sectors including: Transportation, Drainage, Solid Waste Management (SWM), Water Supply System (WSS), Sanitation, Municipal Facilities and others.

1.2 Institutional Structure for IDPCC Management

Elaboration, implementation and revision of IDPCC need appropriate institutional structure inside of the City Corporation. Figure 1-1 below shows suggested structure to achieve the expected function.



Source: ICGP Team

Figure 1-1: Institutional Structure for IDPCC Management

Table 1-1 shows the function of each stakeholder mentioned in Figure 1-1 above.

Table 1-1: Components of the Institutional Structure

Institutional Component	Function
A Mayor	The CC mayor chairs Civil Society Coordination Committee (CSCC) and City Meeting. He/she takes overall responsibility of elaboration, implementation and revision of IDPCC.
B City Meeting	City Meeting is a monthly regular meeting which consists of a mayor, CC's executive officers, councilors and others. This meeting shall endorse the result of CSCC. City Meeting holds every month.
C Civil Society Coordination Committee (CSCC)	Stakeholder Committee Meeting consists of representatives from various community organizations, standing committees, national government agencies and relevant officers of CC. For the IDPCC related purpose, this meeting examines draft ideas of IDPCC elaboration, execution and revision prepared by PIU. ICGP Team has an idea to rename this and keep it as Civil Society Coordination Committee (CSCC). It would be a permanent committee as a part of RpCC's planning system.
D Project Implementation Unit (PIU)	For the IDPCC related purpose, Project Implementation Unit is a taskforce to lead elaboration, implementation and revision of IDPCC. PIU drafts the IDPCC and proposes revision of IDPCC at the CSCC. PIU consists of CEO, Secretary, Engineers, Planner, and relevant councilors.
E City Development Coordination Committee CDCC)	Coordination Meeting consists of member of City Meeting and representative of each relevant national government agencies. This is a good occasion to exchange information of IDPCC and relevant project of the national government agencies. RpCC has held this regular meeting; the format of the Coordination Meeting can be improved.
F Councilor as representative of WLCC	As a chairperson and representatives of Ward Level Coordination Committee (WLCC), the counselor shall well comprehend the issues of his/her wards and urge necessary arrangement of the CC administration. In general, capacity of councilors is a very important human resource of RpCC, their capacity should be developed more so that they can take care of wards properly and, at the same time take necessary actions for the entire CC community. As an ICGP (Prep) activity, RpCC has agreed to build two Community Resource Centers (CRC)" in its territory. CDCs at the ward level may facilitate community activities led by the councilor.
G Ward Level Coordination Committee (WLCC)	Ward Level Coordination Committee is organized in every ward and meets regularly to discuss important issues of the ward including infrastructure and public services. The councilor chairs the meeting and coordinates collaboration between CC administration and community groups.
H Community Groups	Bigger community groups at ward level such as CBO, CDC, Youth Association, Women's Association, etc. work for the common benefit of the community and dispatch representatives to the Ward Level Coordination Committee. Community groups which activity cover the entire CC may send representatives to CSCC.

The actual IDPCC elaboration with ICGP Team has been done through the (D)→(C)→(B)→(A) procedure, since the (G)→(F)→(E) organizational structure has not been fully established. However, the linkage between community groups and City Corporation is important, therefore, (G)→(F)→(E) organizational structure should be discussed in detail as soon as possible. In the UGIIP, Rangpur PS has tried to establish Community Based Organization (CBO) to facilitate collaboration at the community level, especially for waste management. However, the trial was not so successful because majority of the CBO became inactive when UGIIP support finished.

This experience should be applied to establishing broader linkage between various community groups and City Corporation.

Chapter 2 Present Condition of RpCC

2.1 Present Natural Condition of RpCC

2.1.1 Climate and Weather

The two figures below show RpCC’s average minimum and maximum temperature and average rainfall over the year. RpCC is colder than other CCs, but has a similar volume of rainfall.

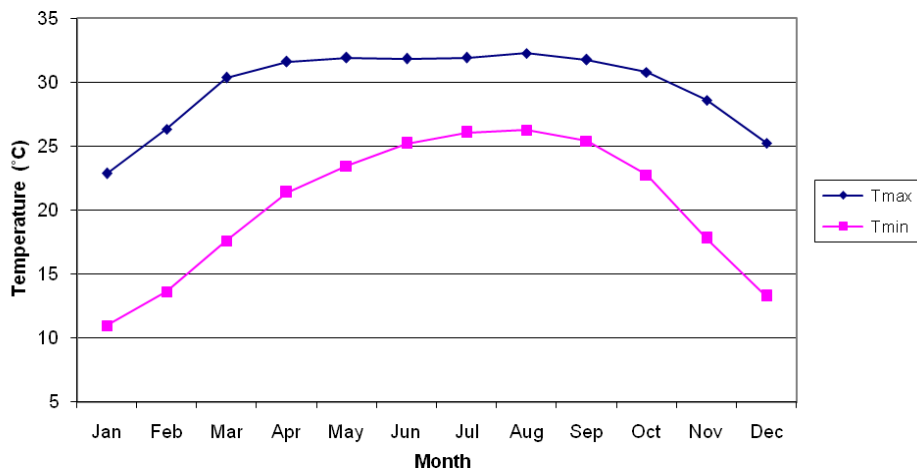


Figure 2-1: Average Minimum and Maximum Temperature in RpCC

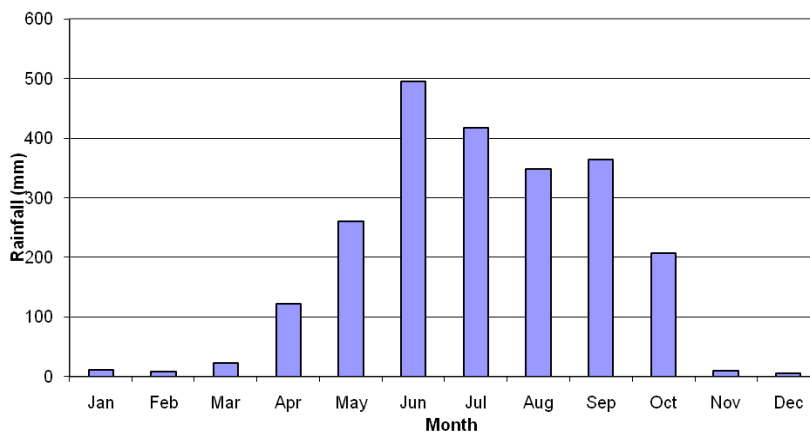


Figure 2-2: Average Rainfall in RpCC

2.1.2 Hydrology

(1) Ghaghat and Bangali Rivers

West of the Tista are a number of rivers – the Ghaghat, Dhaljan, Jamuneshwari, and Sarbamangla. The last three are tributaries of the Brahmaputra-Jamuna. The Ghaghat River is a tributary of the Tista. The Ghaghat River flows past Rangpur and Gaibandha towns and joins the Brahputra a few miles north of Fulchhari Ghat. A distributary, known as the Bangali, flows south from Gaibandha. The Ghaghat River is, for the most part, a sluggish stream choked with weeds. Its flow varies from 50 to 2,500 feet³/sec (WSP 62). The Bangali has a greater flow that varies from 400 to 21,000 feet³/sec (WSP 28).

(2) Dharla and Dudhkumar

These two rivers flow somewhat parallel to Tista and located to the northeast of Tista. Both flow into the Brahmaputra.

- The Dharla River (or White River) is a swift river in the rainy season, but a braided clear stream in winter. Along its upper reaches, the Dharla is known as the Jaldhaka or Singimari. In the Rangpur District, the Dharla has a small tributary in Nilkumar. Formerly a larger river, the Dharla (known as Dhola in Rangpur) has low banks and is particularly prone to changing its course. In 1947, it completely flooded the old site of Kurigram Town.
- Dudhkumar, known in its upper course as the Sankosh, is a small river that flows in a southeasterly direction and into the Brahmaputra. Along its eastern border is the Sankosh River of Bhutan Duars. A major segment of this river is in India.

Table 2-1: Average Annual Flow of Water

Stream Flows	Annual Flow (m ³ /sec)	Feb-April Flow (m ³ /sec)
Brahmaputra (Bahadurabad)	19,500	5,400
Old Brahmaputra (inflow only)	2,320	113
North-west, Northern Region (outflow)	3,100	423
North-east Central Region & Sylhet (outflow)	6,710	293 (Jun–Mar)
South-west (Southern Region)	1,990	146
South-east (Comilla, Feni, Chittagong)	1,010	183

Source: MPO 1984 Vol.11

Note: The average annual flow for the Southeast has increased by 11 m³/sec as the MPO calculation did not include a large number of small rivers, notably the Idgong, Reju and Naaf. (MPO 1984; Vol.11)

(3) Karatoa (Dconai–Jamuneswani–Karatoa–Bangali–Phulyhore System)

The Karatoa River served as the previous main channel of the Tista River, possibly as a tributary of the Brahmaputra as well. In the Siyar-al-Mu'takhkhirin, records indicate that this river was three times the size of the Ganges when Bakhtiar Khilji invaded the Northern Region (c.1115 A.D.). It is now divided into four distinct parts, due to tectonic activity, which has been mentioned earlier. The northern part, hereafter called the Dinajpur Karatoa, is the main source of the Atrai. It rises in a marsh in Baikanthapur in Jalpaiguri (India), but also receives water from underground streams. Starting from Khansama Upazila, its name changes to the Atrai. Dinajpur Karatoa was once connected with the Rangpur Karatoa, north of Khansama, but little water passes down the channel at present. The upper part of the Rangpur Karatoa originates in the Jalpaiguri District of India and is known as the Deonai-Jamuneswani up to Gobindaganj.

(4) Tista (Teesta)

The Tista River was the most important river of the northern region of Bangladesh and was the principal source of supply for the Karatoa, Ate Jobuneshwori, and other rivers. The name Tista is derived from the Sanskrit word Trisrota meaning “three currents”. The river in Hindu mythology is said to flow from the breasts of the Goddess Parvati.

Significant structural changes in the Barind Region affected the Karatoa River, which dwindled rapidly. Whenever the Tista River had a large amount of water left over, it could not pass down the Atrai without causing floods.

The excessive rains of 1787 brought a sudden vast flood of sand, choking the Atrai Channel, which led to the Tista bursting into the smaller Ghaghat River and not the fields. Without an adequate outlet, the Tista overflowed and deluged almost the entire Range District. The flood occurred on a single day on August 27th, 1787. Nearly one-sixth of Rangpur's population died that year, mainly due to this flood (Vas 1911). The Tista now has a new outlet and has kept to this channel since then. Frequent course changes left a legacy in the shape of numerous stagnant cut-off channels in the west of Rangpur, most of which are known as Mpra (dead) or Buri (old) Tista.

The current channel within Bangladesh is about 177 km long and varies from 300-550 m in width. The Tista Barrage, which was under construction since 1978, was completed in July 1990. It is located 16 km downstream from the Bangladesh border at Doani Point. The Barrage is 615 m in length and has 37 gates each 12 m wide. The design discharge is about 350,000 feet³/sec (9,915 m³/sec). A river joins the mighty Brahmaputra just south of Chilmari. The dam level is 50m above the MSL at the Dalia Point (water above this level leads to overflow over the dam and flooding). The minimum discharge is 4,000 feet³/sec and the maximum is around 35,000 feet³/sec.

Source: Geography of Bangladesh by Haroun Er Rashid, University Press Ltd., 2nd edition, 1991, ISBN- 984-05-1159-9; Integrated Water Resource Management by Yusuf A. Choudhry.

(5) Information on Major Water Surfaces

Rangpur District is situated at the bank of the Ghaghat River, one of the major sources of water of RpCC. This river is mainly used to transport people and goods. This river is also used for some domestic purposes. In addition, there are some beels, ponds and canals inside the City Corporation including major bodies of water such as the Chiklir Beel, Kukrul Beel, Shama Sundori Canal, and Nasnia Beel, KD Canal etc. People use the Chiklir Beel and Shama Sundori Canal for recreational purposes and the scenic views. Chiklir Beel is also a large source of income to CC as it is used for pisciculture during the monsoon and for agriculture during the dry season. All other beels and ponds are used for pisciculture, domestic activities, and bathing. (Source: RpCC)

2.1.3 Topography

The Rangpur District (Rangpur Division), with an area of 2,307.78 sq km, is bound by the Nilphamari District to the north, the Gaibandha District in the south, the Kurigram District to the east and the Dinajpur District to the west. The main rivers are the Tista, Jamuneshwari, Karatoya, Chikli and Ghaghat. About 80% of the district area is composed of alluvial soil of the Tista basin and 20% is Barind land. The maximum annual average temperature is 32.3°C, while the minimum is 11.2°C. Total rainfall is 2,931 mm.



Source: RpCC

Figure 2-3: Map of Rangpur District

2.1.4 Soil Conditions

In Rangpur, 85% of the total land is alluvium from sedimentation of the Tista River. Silts are predominant, although some sandy or clayey silts are present. The soil is mainly gray in color. Most of the soil is granular and slightly acidic or neutral. The overall infiltration capacity is poor, although soils in Domar and Pargachha have medium-to-good capacity. During the dry season, the area is prone to droughts.

The area lies in Earthquake **Zone 3** ($z=0.25$) according to a seismic maps from Bangladesh (Ref: BNBC, 1993). Table 2-2 present the soil analysis of RpCC.

Table 2-2: Soil Data Analysis of Rangpur

Configuration of Land and Agriculture- Environment Area Code	Map Units			Percent of Total Land Area (%)	Percent of Total Land Area (%)
	Symbols	Total Area (Hectare)	Percent of Total Land Area (%)		
Tista Alluvium Land	1	562	1.76		
	2	2,994	9.38		
	3	6,373	19.97		
	4	4,105	12.86		
	5	4,634	14.52		
	6	7,810	24.48		
	7	128	0.40		
	8	693	2.17		85.55
Miscellaneous:			0.00		0.00
Dwelling Places		4,458	13.97		
Pond		20	0.06		
Marshy Places		133	0.42		14.45
Total		31,910	100.00		100.00

Source: RpCC

2.2 Socio Economic Condition of RpCC

2.2.1 Social Conditions

(1) Population of RpCC

Population information for RpCC is summarized in Table 2-3. Data reveals that the female population is less than the male population. Average household size is 4.4 persons/household.

Table 2-3: Population Summary of RpCC (2011)
(Distribution of Households and Population by Sex)

Total	Households			Population		
	General	Institutional	Others	Male + Female	Male	Female
132,921	131,048	155	1,718	585,049	298,412	286,637

Source: Population Census 2011, BBS

(2) Income Level

No data are available at CC level.

(3) Education Level of RpCC

Education information for RpCC is summarized below:

Table 2-4: Summary of Literacy Status of RpCC (2011)

Literate (Can Write a Letter)						Literacy Rate (%)		
Male + Female		Male		Female		Male + Female	Male	Female
Yes	No	Yes	No	Yes	No			
338,250	199,290	179,214	94,476	159,036	104,814	56.6%	59.8%	62.8%

Source: Bangladesh Bureau of Statistics (BBS) Population Census 2011

(4) Community Institutions

Table 2-5 presents details of the major facilities of RpCC. Compared to other CCs, there is a lack of recreational and religious facilities. (Source: Upazilla Social Welfare Officer)

Table 2-5: Social Services (Major Facilities) of RpCC

Type of Facility	#
Educational Institution	
1. Primary Schools	149
2. High Schools	54
3. Colleges	18
4. Madrasas	42
Health Facility and Medical Institution	
5. Government Hospitals	1
6. Private Medical College Hospitals	02
7. Clinics	186
Shopping Market	
8. Markets/Huts	24

Source: RpCC

2.2.2 Industrial Condition

(1) District-wise Industry

Industrial Conditions of Rangpur district in 2005–06 is shown in Table 2-6. The data at CC level was not available at this moment. Wearing Apparel, Garments (except fur) and rice milling are only distinctive industry at this period. Among 5CCs which ICGP Team dealt with, Rangpur District is the smallest gross value added in this period.

Table 2-6: Rangpur District Industrial Gross Value Added (2005–06, in thousand BDT)

Industry	Gross Value Added
Wearing Apparel, Garments (except fur)	21,029
Rice Milling	152,758
Total	173,787

(2) Agricultural Industry

Thought the small scale industry, agricultural related industry shows some starts. Table 2-7 shows the distribution of cold storage facilities. As agriculture is one of the main industries in RpCC, cold storage play an important role today and in the future.

Table 2-7: List of Cold Facilities, Address, and Capacity

No.	Name of Cold Storage	Address	Tentative Capacity (Sacks)
1	Uttamasha Cold Storage Ltd.	Shothi Bari, Rangpur	100,000
2	Mostafa Cold Storage Pvt. Ltd.	Salapur, Bodlypukur, Rangpur	130,000
3	Shapla Cold Storage Ltd.	Jaigirhat, Mithapukur, Rangpur	140,000
4	Shah Sultan Seed Cold Storage Ltd.	Boibaty, Mithapukur, Rangpur	150,000
5	Fatema Cold Storage Ltd.	Dharmodas, Kowtoali, Rangpur	65,000 (Now closed)
6	V.I.P Shahdat Cold Storage Ltd.	Tajhat, Rangpur	125,000
7	Azijun Nessa Cold Storage Ltd.	Tajhat, Rangpur	120,000
8	Faizun Nahar Cold Storage Ltd.	Dewti, Pirghacha, Rangpur	45,000
9	Homeland Cold Storage Ltd.	Bora Dargha, Pirghacha, Rangpur	125,000
10	Zelema Rahman Cold Storage Ltd.	Shahebgonj, Kowtoali, Rangpur	120,000
11	Kishan Cold Storage Ltd.	R.K. Road, Rangpur	110,000
12	Chowdhury Ice & Cold Storage Ltd.	BISIC I/A, Kellabondh, Rangpur	75,000
13	Himandri Cold Storage Ltd.	BISIC I/A, Kellabondh, Rangpur	72,000

No.	Name of Cold Storage	Address	Tentative Capacity (Sacks)
14	Shampur Cold Storage Ltd.	Shampur, Rangpur	60,000
15	Chachi Cold Storage Ltd.	Shampur, Rangpur	110,000
16	Shahjahal Cold Storage Ltd.	Rangpur-Badargonj Road, Rangpur	120,000
17	Podagonj Cold Storage Ltd.	Podagonj, Shampur, Rangpur	120,000
18	Palichora Cold Storage Ltd.	Shampur, Kowtoali, Rangpur	70,000
19	Singha Cold Storage Ltd.	Echorchali, Taragonj, Rangpur	120,000
20	Khaleq Cold Storage Ltd.	Taragonj, Rangpur	40,000
21	Mowlana Bashir Cold Storage Ltd.	Monthona, Hajirhat, Rangpur	50,000 (Now closed)
22	Bhorasha Specialize Cold Storage Ltd.	MirSackh, Rangpur	140,000

Source: RpCC

(3) Manufacturing Industry

RpCC's major manufacturing industries are presented in the table. As industries are not functioning at a large scale nor are they occupying large land plats, there is some potential to invite new industries to the city.

Table 2-8: List of Industries Located at Rangpur

Name of Industries	Location
RV Edibles Oil Refinery Ltd.	Alamnagar, Rangpur
RV National Tobacco Co. Ltd.	Bahar Kachna, Rangpur
RV Coconut Oils Ltd.	Alamnagar, Rangpur
RV Coil Industry Ltd.	Alamnagar, Rangpur
RV Jute Mills Ltd.	Alamnagar, Rangpur
Rahim Tobacco Co. Ltd.	Sarai, Haragach, Rangpur
RK Metal Industries Ltd.	Alamnagar, Rangpur
Rangpur Distilleries & Chemicals Ltd.	Shayampur, Rangpur
Bangladesh Soap Factory	Alamnagar, Rangpur
Rangpur Automatic Rice Mills	RK Road, (Ghaghatpara), Rangpur
Rangpur Foundry Ltd.	BSCIC Estate, Kellaband, Rangpur
Khan Foundry Ltd.	BSCIC Estate, Kellaband, Rangpur
RV Foundry Ltd.	20 Megawtt, R. K Road, Binodpur, Rangpur
M/S. Rahatin Industries Ltd.	Alamnagar, Rangpur
M/S. Watanabey & Iqbal Engineering Co. Ltd.	BSCIC Estate, Kellaband, Rangpur
M/S. Diamond Partical Board Mills Ltd.	Uttam, Upashahar, Rangpur
Rangpur Flour Mills Ltd.	BSCIC Estate, Kellaband, Rangpur
Shayampur Sugar Mills (Bangladesh Sugar & Food Industries Corporation)	Shayampur, Rangpur
M/S. Hossain Polethin Industries (Pvt) Ltd.	Kamal Kachna, Rangpur
M/S. Iraq Soap Factory	Station Road, Rangpur
Shaheen Soap Factory	Jummapara, Rangpur
New Iqbal Soap Factory	New Jummapara, Rangpur
V.I.P Shahdad Poultry & Hatchery Ltd.	Tajhat, R.K Road, Rangpur
Sonar Bangla Soap Factory	Sarai, Haragach, Rangpur
A R Match Factory	Sarai, Haragach, Rangpur
S R Match Factory	Sarai, Haragach, Rangpur
Karigam Foundry Ltd.	BSCIC Estate, Kellaband, Rangpur

Source: Rangpur Chamber of Commerce & Industry, Rangpur - December 2011

2.3 Present Urban Planning of RpCC

2.3.1 Historical Changes in Land Use Planning

Rangpur PS is one of the oldest PSs of Bangladesh, created in the middle of the 19th Century (May 1, 1869). Initially, the PS jurisdiction (Map 01) was limited to an area of 6,474.47 acres (26.20 km²). Due to population increases and the urbanization of new areas beyond the PS boundary, it became imperative to include these areas within the larger municipal jurisdiction. Fringe areas beyond the municipal jurisdiction became urban. As these areas were not included in the PS, municipal services were not available. This brought misery to the people who suffered from a lack of clean water supply, drainage, sanitation, and access roads etc.

To mitigate this problem, the government, on the basis of a report by the Deputy Commissioner, Rangpur, decided to extend the jurisdiction of the Rangpur PS. In 1982 (Map 02), PS jurisdiction was first extended and raised to about 10,175.90 acres (41.18 km²). The PS was upgraded to Class-A type in 1986. As part of an administrative reorganization, all sub-divisions of the Rangpur District were upgraded to districts in 1984. In 2010, Rangpur was declared a division encompassing all districts of the greater Rangpur and Dinajpur Districts, with the Rangpur PS as headquarters. This event automatically enhanced the status of the PS.

The central government also took initiatives to upgrade the PS into a new city corporation of the country to enable the PS to perform its function more appropriately. To ensure planned growth of the divisional town, a decision was made to prepare a physical development plan in the form of a Structure Plan, Urban Area Plan and Detailed Area Plan for the existing PS area and the proposed extension area before declaring it a city corporation. The highpoint of the process heralded was an outreach meeting held on April 7, 2011 at the Rangpur PS Meeting Room with the Mayor. The Rangpur Divisional Commissioner attended the meeting as the chief guest, Police, Rangpur Division; Deputy Commissioner, Rangpur; SP, Rangpur and the Project Director, DTIDP, LGED also were guests of honour. Over 100 citizens drawn from various cross-sections of society freely exchanged their views and forwarded recommendations about the proposed city corporation.

Historical changes of RpCC are attached in Annex B-1.
(Source: Planning Area Report, 2012, RpCC)

2.3.2 Present Land Use within RpCC

As RpCC was formed recently, no land use plan has been created for this CC. However, in 1986, a Structure Plan was created for the next 20 years for the PS jurisdiction area. This plan is now outdated.

(1) The Purpose of the Plan for Rangpur

One purpose of a plan is to lessen uncertainty about what presently exists and what is likely to occur in the future. The second purpose is to provide a basis for development agencies, both public and private, to proceed towards a common goal. The plan for Rangpur should provide a framework for overall development of the town. It has been prepared in consultation with the local authority. The plan examines the existing situation, draws attention to key problems, assesses likely changes and their implications, and proposes, with the resources available, how some of the major problems might be tackled.

(2) Future Land Use

Existing land use and expected demand for development determine the future proposed urban landscape. The prevailing land uses, except the parts where incompatible, should generate and support the future urban pattern.

Industrial

The Kellabond-Uttama area has a high concentration of industrial activities. Most large and some small industries are located here, while a few new industries are under construction. The area should be designated as an industrial zone. Prevailing infrastructure, existing lineages, and expected development demand justify this designation.

Institutional

The kachari bazar, Dhap, Keranipara and Alamnagar Station road accommodate most of the existing institutional facilities of Rangpur. The area will continue its present role in the future. An increase in activities will bring changes in intensity of use. With the exception of the Alamanagar/Station road area, the density of use in other areas is low enough to accommodate the changes without adverse effects on the community. The Karmikel College area is predominantly used for institutional purposes.

Commercial

The existing mixed residential-commercial and commercial areas will continue to influence the development and growth of Rangpur. With growth along the urban core-Mahiganj Road, some parts of the bypass road are expected to be mixed residential-commercial. The mixed zone may evolve with the madrasha market as the center.

Residential

Density, population distribution and land requirement by income category and ward have been discussed earlier in this report. The existing residential areas in Rangpur will continue to be residential, but at a higher density than today, with new residential areas emerging.

While it is for the local authorities to decide on the scope and nature of the housing program and schemes, existing trends should provide a future lead. High and middle income housing are already emerging in the west, adjacent to the bypass road. Low income housing is being established to the northeast of the collector. The future plan must reflect these trends.

Now, a project named the 'Preparation of Master Plan for Rangpur Divisional Town under District Towns Infrastructure Development Project' has been initiated by the Local Government Engineering Department (LGED). The objectives of the consultancy services include preparation of the Strategic Plan and Structure Plan, the Urban Area Plan, and the Detailed Area Plan. According to the Inception Report, the project will be completed in July 2013.

Table 2-9: List of Master Plans

Outline	Source	Year	Validity
Preparation of Master Plan for Rangpur Divisional Town under District Town Infrastructure Project	LGED	2011 (ongoing)	Up to 2030
Structure Plan, Rangpur	Rangpur PS	1986	Up to 2006

Source: Structure Plan of Rangpur, 1986 and Preparation of Master Plan for Rangpur Divisional Town under DTIP

2.4 Present Infrastructure of RpCC

2.4.1 Road and Transportation

RpCC consists of 33 wards, having an area of 203.19 km². RpCC was officially designated as a City Corporation on 28 June, 2012. There are several RHD and LGED roads that pass through the CC area and connect different districts. The RHD (Roads and Highways Department), City Corporation Authority and LGED are the agencies which manage the road network. There are no toll roads in Rangpur CC.

There are four bus/truck terminals/stands located in the city corporation area: two coach stands, one central bus terminal and one truck stand. One Dhaka Coach stand is located at Kamarpara, while the other is at Pargaccha. The truck terminal is located at College Road.

In RpCC, the current traffic and transport infrastructure is inadequate. Roads are extremely narrow inside the city corporation. The recent street light installation has made streets narrower so motorized and non-motorized vehicles cannot pass one another smoothly, creating daily congestion. No parking facilities are available for auto rickshaws, rickshaws, and trucks within the CC area. (Based on RpCC, At a Glance, RHD)

2.4.2 Bridge/Culvert

Bridge and culverts plays a vital role in the road transportation system. They connect different areas that are divided by bodies of water, rivers, or canals. Culverts also connect drains and help to drain water. There are 28 bridges in RpCC. Besides this, 65 culverts are located in different parts of the city corporation which connects the road and drain. (Source: RpCC, At a Glance)

2.4.3 Drainage System

There are two large bodies of water in the north of the RpCC – Chiklir Beel and Radhasagar Lake. In the northwest, the Ghagat River plays an important role as a source of water. The Shamasundori Canal stretches from the northwest of the town to the southeast. This canal plays an important role in maintaining the ecological balance as well as providing storm water drainage. (Source: Preparation of Master Plan for RpCC Inception Report by EPC (Engineering and Planning Consultants Ltd.) and RpCC, At a Glance)

2.4.4 Water Works

A 135 km long water pipeline exists in the City Corporation (including 73.5 km of new pipeline). The pipeline diameter is about 250–275 mm. There are five overhead tanks, four of which are active. Total capacity of these tanks is 2,720 m³. There are 10 deep tube-wells, eight of which are active. The daily pumping capacity of the wells is about 6,600 m³. There are also two iron removal water treatment plants situated at Radhaballave and Robertsonganj, respectively. Both the water treatment plants use settling sand filter for treating groundwater. Their capacities are 1,000 m³/day and 2,000 m³/day, respectively. There are 5,255 household water supply connections. Besides the noted water sources, the main natural sources of water are the Testa and Ghaghat rivers. (Source: Master Plan for Water Supply & Sewerage System Improvement for Rangpur)

2.4.5 Sewage System

Improper sanitation and unhygienic disposal of sewage causes pollution to both surface and ground water sources. Water seal latrines with or without septic tanks, soak wells, and pit latrines are common means of sanitation system. A small bore system (SBS) with a decentralized treatment facility using a reed bed may be a short-term solution. Pit latrines (both

single and twin) are often the means of sanitation for urban poor. Fecal sludge management is a big problem for pit and septic tank systems. Manual cleaning systems and open disposal cause great environmental and aesthetic problems.

Source: Preparation of Master Plan for RpCC (Inception Report) by EPC (Engineering and Planning Consultants Ltd.)

2.4.6 Solid Waste Management

With the increase of population and rapid urbanization, it is natural that solid waste generation will increase. If waste is not properly managed, it can have detrimental effects on environmental quality – thus, collection and management of solid waste is a great challenge for the CC Authority. Solid waste collection and disposal from the CC area is the responsibility of the Conservancy Section of the CC. There are about 200 waste collection points, six public toilets and a landfill site in Rangpur CC. (Source: RpCC)

2.4.7 Electricity Facilities

The current state of the power sector is insufficient to support accelerated economic growth, poverty reduction and social development. Only one-third of the population has access to electricity. Service delivery is of extremely poor quality (i.e., interrupted supply, voltage fluctuation, etc.). The poor quality is in part due to poor financial performance of the three main utilities: the Bangladesh Power Development board (BPDB), Dhaka Electric Supply Authority (DESA) and Rural Electrification Board (REB). Adequate investment in the maintenance and expansion of the network has not occurred, despite the introduction of additional generating capacity by independent power producers (IPPs) and the public sector. (Source: Preparation of Master Plan for RpCC Inception Report by EPC (Engineering and Planning Consultants Ltd.))

2.4.8 Gas Facilities

There is no gas supply facility in RpCC. People mainly use wood or kerosene for fuel, although some also use electric heaters and cylinder gas for cooking. (Source: RpCC)

2.4.9 ICT Facilities

The telecommunication system is provided and maintained by BTTB – Bangladesh Telegraph and Telephone Board-BTTB (Present BTTL) through a telephone exchange. Presently, private mobile organizations (including Grameen Phone, City cell, Robi, Banglalink, Airtel and Teletalk of BTTB) have developed a local mobile phone network rather than a landline network. With the rapid population increase in the study area, demand for telephone services has increased rapidly. However, nowadays demand for BTTB telephone connections has decreased due to the use of mobile phones among the people. (Source: RpCC)

Chapter 3 Vision and Goal Setting

3.1 Preliminary Analysis

PIUCC of RpCC has organized workshop meetings, conducted an existing conditions analysis, and developed future projections. The topics include:

- Population Forecasts;
- Resource Analysis;
- Industrial Layout; and
- Review of Current Visions and Strategies.

(1) Population Forecasts

The population of RpCC may double in 24 years and quadruple in 48 years. The current generation has a duty to prepare for future generations. Demand for roads, water, solid waste management, and other public services is significantly increasing. If the current consumption trend continues (in terms of solid waste volume, as well as water and energy consumption), the number of vehicles may increase faster than the population. Thus, sustainability, energy efficiency, recycling, and water conservation should be considered in the development of infrastructure.

Table 3-1: Projection of Population in RpCC

Present Population (Census 2011)	Growth rate (% / Year)	Population after 5 years	Population after 25 years	Population after 50 years
0.9 million	2.97%	1.04 million	1.87 million	3.89 million

Source: ICGP Team, RpCC

(2) Resource Analysis

Infrastructure planning needs to be demand driven. Planners, engineers and citizens currently make requests to address deficiencies within society. ICGP(Prep) believes that planning needs to make the most of their city's resources. ICGP (Prep) emphasized that the future RpCC consider the resources that RpCC currently possesses. The following resources were identified by RpCC's PIUCC in the table below.

As RpCC is the capital city of the administrative division. It has numerous institutes such as government offices, hospitals, universities and NGOs. It is also a hub city and commercial center of the division. Even though there are fewer employment opportunities than required, skilled labors for tobacco and textile industry are abundant.

Table 3-2: Resources Available in RpCC

Category	Resources of RpCC
1 Natural Resources	Agricultural Land, Water Body (Beel), River (Ghagot), Chikli, Kukrul and Nachnia Lake,
2 Physical Resources	Karmicle College, Naju Dental College, Stadium, Rangpur Medical College, Hospital, University, Shop/Market, Community Center, Taz Hat Raj Bari (Historical Place)
3 Social Resources ¹	RDRS, ASSOD, ASA, BRAC, ENG, PLY SHREE, TMSS, BRAC Training Center (NGOs)
4 Human Resources	AK Azad Chowdhury (Vice President, FBCCI), Anisul Haque (Writer), Baby Naznin (Singer), Nasir & Suvo (National Cricketer), Pavel Rahman (International Photographer), Skill Force (Tobacco and Textile)
5 Financial Resources	Taxes and Fees, ADB, JICA, LGED

Source: PIUCC RpCC

(3) Industrial Layout

RpCC has been a hub city in the division. People from the hinterland come to RpCC for employment, trade, education, medical treatment, etc. A major function of the city is commercial and residential, rather than just industrial. Various agricultural products are collected in RpCC and traded. Hundreds of fully-loaded trucks head to Dhaka every day. PIUCC members agreed to develop industries based on agriculture and food processing.

Table 3-3: Industrial Projection of RpCC

5 Years from Now	25 Years from Now	50 Years from Now
• Cold Storage	• Large-Scale Water Supply	• Subway Transportation (Railway)
• Tobacco Industry	• Recreation Park	• Large-Scale Water Supply
• Rangpur Foundation (Tube Well, PVC Pipe)	• Cement Industry	• Paper Mills
• Jute Mills	• Pharmaceutical Industry	• Helicopter Transportation
• Dairy Farm	• Juice Factory	• Car Industry
• Poultry Farm	• Shoe Factory	• Bus Industry
• Auto Rice Mills	• Rice Research institute	• International University
• Printing Factory	• IT Hard Ware Industry	
• Medical College	• Garments Industry	
• Auto Brick Manufacturing Factory	• Aluminum Sheet Factory	
• University	• Steel Industry	
• Handicraft (Carpet, Mat)	• Children Park	
• Private Clinic	• Solid Waste Management (3R)	
• City Market	• Engineering University	
• Fisheries	• Women Cadet College	
• Fish Feed	• Public Medical College	
• Soap Factory	• University and Medical College	
• Shopping Mall	• International School	
• Flower Mills	• Sanitary Land Fill	
• Iron Pin Industry	• Large Scale Power Station	
• Gas Pipe Line	• Surface Water Treatment Plant	
	• Ceramic Industry	

Source: PIUCC RpCC

¹ A social resource is a resource that lies within a society, such as custom, habits, and norms.

(4) Review of Current Visions and Strategies

The previous Rangpur PS prepared the PS Development Plan (PDP), whose vision was defined as follows:

“Within the next five years, an environment friendly town which is planned, clean and tidy where its citizens will have access to the benefits of the development of infrastructure for civic amenities and related services, to schooling, health care, and employment; where human resource will be developed and industrialization initiated; natural water bodies regain their flow and become open spaces for recreation; and the society is free of deprivation and exclusion”

3.2 Vision of RpCC as Development Slogan

A PIUCC meeting discussed the infrastructure development vision. The discussion was organized for all the factors identified in Section 3.1 Primary Analysis, with one person from the IGCP Team designated as facilitator. The aim was to achieve the target in 50 years. The result of the vision discussions was encapsulated in a one sentence slogan:

Table 3-4: Vision of RpCC

Vision for IDPCC of Rangpur	“Make our Rangpur Poverty-free, Environment Friendly, Beautiful, and Safe City”
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In previous PS visions and the new CC one, both the economy and environment are regarded as important issues. A significant percentage of the work force in RpCC cannot find jobs in the area and must work in the other areas. Unemployment is such an integral issue that infrastructure development should be consistent with industrial development efforts. Untreated solid waste is also an important environmental issue, thus RpCC proposed a set of solid waste management systems to include in the infrastructure list.

RpCC is elaborating Master Plan that details the layout of major infrastructure (including a Detailed Area Plan). If the plan is well organized with broad public consensus, it will facilitate efforts to build a city with its vision.

3.3 Approaches of Infrastructure Development

Based on the vision, group infrastructure development objectives were prepared. These approaches are to serve as bridges to connect the vision and subproject. Therefore, any subproject shall be consistent with these approaches.

Table 3-5: Development Objectives for RpCC Infrastructure Development

CC	Vision	Objectives
RpCC	“Make our Rangpur Poverty-free, Environment Friendly, Beautiful, and Safe City”	<ul style="list-style-type: none"> • Infrastructure supports industry and basic human needs • Good environment for nature and human life • Total solid waste management • Fewer disasters, traffic accidents and crime • Equity in public services to urban and suburban areas

Source: PIUCC RpCC

3.4 Priority of Infrastructure Sub-Sectors and Their Issues

The PIUCC of Rangpur discussed and agreed upon the priorities for the infrastructure sub-sector as shown in the table below. Infrastructure sub-sectors in the table are order by level of priority.

Table 3-6: Priority of Infrastructure Sub-sector and Their Issues

Sub-sector	Infrastructure Issues
1 Master Plan	<ul style="list-style-type: none"> • Master Plan is not infrastructure, but PIUCC members of Rangpur put a significant priority on the Master Plan before planning infrastructure. • The new RpCC Master Plan is under preparation and will be available in FY2013–14. • Concerning planning issue, PIUCC also pointed out the following issues: <ul style="list-style-type: none"> ✓ Lack of participation ✓ Lack of capacity to update maps ✓ Insufficient building permit practice
2 Drain	<ul style="list-style-type: none"> • Drainage system is insufficient in the old PS area. • There is no drainage system constructed in the suburban area.
3 Road	<ul style="list-style-type: none"> • Even though the volume of motor vehicles is not high, vehicles suffer from slow travel speeds (25 km/h).
4 Street light	<ul style="list-style-type: none"> • Even in urban area, street lights are not insufficiently provided, which hampers efficient and safe movement.
5 Water supply	<ul style="list-style-type: none"> • Current water supply coverage is extremely limited (only 30% of the urban and 0% of the suburban areas are covered, respectively).
6 Market (now 3 available)	<ul style="list-style-type: none"> • RpCC expects income to be generated by managing public markets, however, it cannot collect sufficient rent from the three existing markets.
7 Solid waste management	<ul style="list-style-type: none"> • 30% coverage of garbage collection in old PS area and 0% in suburban area. • Inadequate waste collection equipment.
8 Bus and truck terminal	<ul style="list-style-type: none"> • The three available terminals are insufficient. • Lack of modern facilities with accommodation.
9 Education	<ul style="list-style-type: none"> • Currently, RpCC manages 10 primary and 5 high schools • School buildings are damaged and need to renovation/reconstruction. • Insufficient school equipment and logistics support. • Higher education are insufficient in RpCC
10 Recreation center	<ul style="list-style-type: none"> • Facilities such as recreational parks and amusement fitness centers, are insufficient.

Source: PIUCC RpCC

Within the next five years, RpCC needs to achieve the goals detailed below:

Table 3-7: Five-Year Infrastructure Development Goals

No.	Sub-sector	Output	Numerical Indicator
1	Master Plan	Initiate capacity building project for town planners/engineers	100% of CC town planners are trained
2	Drain	Reduce flooding	35% coverage
3	Road	Increase speed	28 km/h by widening and maintenance
4	Street Light	Little portion of street light available	Increase from 15% to 25% availability
5	Water Supply	Increase water supply	10% rural and 45% urban coverage
6	Market	Rebuild and renovate the existing three markets	One kitchen market Two supermarkets (renovated and rebuilt)
7	Solid Waste Management	Add coverage Increase awareness	70% urban and 20% rural coverage
8	Bus and Truck Terminal	Modernize existing terminals	Modernize three terminals (two bus and one truck)
9	Education	Renovate schools	Renovated five schools
10	Recreation center	Increase recreation facilities	One amusement park One auditorium center

Source: PIUCC RpCC

RpCC will need to make a considerable effort to achieve the goals mentioned below within the next 25 years:

Table 3-8: Twenty-Five Year Infrastructure Development Goals

No.	Sub sector	Output	Numerical Indicator
1	Master Plan	Create a Planning Division	<ul style="list-style-type: none"> • 100% of maps updated • 90% of CC permit practice conforming to master plan
2	Drain	No flooding in CC area	<ul style="list-style-type: none"> • 70% coverage
3	Road	<ul style="list-style-type: none"> • Smooth roads • Lower CBD congestion • Increase in demand for public transportation • Fewer private vehicle trips 	<ul style="list-style-type: none"> • Pavement road 60% • All vehicles run 35 km/h • Pass-through CBD travel times reduced from 30 to 10 minutes • 60% public transportation and 40% private vehicle mode share
4	Street Light	Available street light	<ul style="list-style-type: none"> • 80% coverage on public roads
5	Water Supply	Sufficient surface water supply	<ul style="list-style-type: none"> • 50% rural coverage • 90% urban coverage
6	Markets	<ul style="list-style-type: none"> • Semi pucca (semi-construction) structure in all Market • Sufficient amount and modernized market 	<ul style="list-style-type: none"> • 20 new markets
7	Solid Waste Management	Sufficient equipment and capacity	<ul style="list-style-type: none"> • 70% garbage collection the entire CC area
8	Bus and Truck Terminal	Sufficient capacity in all terminals	<ul style="list-style-type: none"> • Seven terminals (three large and four small) for 1,000 buses
9	Education	Sufficient higher education	<ul style="list-style-type: none"> • One college • 15 upgraded schools
10	Recreation Center	Sufficient recreation centers	<ul style="list-style-type: none"> • Three amusement parks • Four auditoriums

Source: PIUCC RpCC

Chapter 4 Preparation of Inclusive Subproject List

4.1 Analysis of Existing Infrastructure by Category

Discussion on the infrastructure issues has been conducted at the PIUCC from a general perspective. Table 4-1 has been prepared by RpCC (mainly engineers and city planners) to provide a detailed understanding of RpCC infrastructure issues. However, RpCC still requires periodic analyses whenever the IDPCC is revised such that the Plan's project list always appropriate and effective projects to improve the situation.

Table 4-1: Analysis of Existing Infrastructure in RpCC

Sub-sector	Analysis
1 Transport	<p>Road</p> <p>Roads are mostly earthen, which are unsafe and unsuitable for smooth traffic, particularly during the rainy season. The road network is the focal point of transportation in the city area. To link separate areas of the city corporation, a new road network is required.</p> <p>Bridge/Culvert</p> <p>Two lakes and one river are the major water bodies in RpCC area. Some roads cross the lake and river in RpCC to maintain traffic flow in the area. At some points, narrow bridges exist – these are damaged and too narrow to support traffic. RpCC needs to improve and build new bridges/culverts to improve traffic flow.</p> <p>Traffic Management</p> <p>In RpCC, some big/small intersections are unsignalized. At some busy intersections, traffic police manage the traffic flows and movements. As Information Technology (IT) systems are developed in Bangladesh, RpCC needs digital traffic signals to automatically control traffic flows. Road dividers are also important for the one-way network of primary and secondary roads. Furthermore, separation of high speed vehicles and non-motorized vehicles (with road markings) is required along major roads to minimize traffic jam and accidents.</p>
2 Drain	<p>New Drain Construction</p> <p>Due to an insufficient drainage network, severe water flooding occurs in the locality. Because of the flooding, diseases such as dysentery, cholera and diarrhea occur. For efficient management of storm water and rainwater in the rainy season, RpCC needs to construct new drains.</p> <p>Old Drain Improvement</p> <p>A brick drain was constructed several years ago. Due to damage to this brick drain, overflows also cause flooding.</p>
3 Solid Waste Management	<p>City dwellers produce almost 10-14 tons of solid waste per day, but there are no transfer stations, dumping grounds/land fill sites, compost plants or movable dustbins in the RpCC area. Also, at least 200 hospitals/clinics produce 1.5 tons of medical waste in the city region. For efficient management of solid waste, RpCC urgently needs transfer stations, dumping grounds, compost plants and movable dustbins in RpCC.</p>
4 Water Supply System	<p>The ground water table is decreasing daily, while the Rangpur region is a famous drought area and requires more underground water. In some areas in RpCC, water is contaminated from iron. For efficient and continuous water supply, RpCC needs more production tube wells, overhead tanks, water pipelines, and iron removal plants. Some sections of water pipeline need to be improved and replaced.</p>

Sub-sector	Analysis
5 Sanitation	Rangpur is a divisional capital city in the northern part of Bangladesh. In the RpCC area, only one slaughterhouse and eight public toilets are available. This quantity is insufficient to preserve the environment. To maintain a better environmental quality, RpCC requires three slaughterhouses and more than 20 public toilets.
6 Municipal Facilities	<p>Within the national transportation system of Bangladesh, Rangpur plays a vital role at a national level. Rangpur is the capital city of the Rangpur Division, which is comprised of eight districts in the northern part of the country and is directly connected to Dhaka via the national highway. There is a coach stand, one bus terminal and three inter-districts bus terminals in the RpCC area. Approximately 10,000-15,000 people use the terminal and coach stand each day. Also 24 markets (public and private), two play grounds and many offices are located in the city corporation area.</p> <p>As an agricultural area, major crops produced include potatoes, rice, and jute. Therefore, in order to facilitate smooth movement of people as well as goods, RpCC needs to modernize its bus and truck terminals.</p> <p>RpCC needs to improve its existing public markets.</p>

Source: RpCC

4.2 Nomination of Project Ideas

Engineers and planners at RpCC developed the project list by assessing gaps and identifying appropriate needs. PIUCC of RpCC met to discuss this list and later approved it. These lists are presented below (note that the infrastructure classification was provided by LGED).

(1) Transport

Table 4-2: Summary of Existing and Proposed Infrastructure (Transportation)

No	Sector	Name of Component	Work Category	Unit	Rangpur City Corporation			
					Present Quantity	Proposed (Additional) Quantity New	Proposed Tentative Cost (Crore) Improvement / Rehabilitation.	
2	Trans- port	Road	Primary road (100 ft to 150 ft)	km	31	-	-	-
			Secondary road (60 ft to 100 ft)	km	10.5	-	-	-
			Tertiary road (20 ft to 60 ft)	km	200	-	15.87	21.38
			Goli Road ² (12 ft to 20 ft)	km	975	370.05	81.61	564.38
			Pedestrian (6 ft to 8 ft)	km	150	-	-	0
	Bridge/ Culvert	Bridge/ Culvert	Bridge	Nos	50	13	13	167.40
			Pedestrian Overcrossing	Nos	1	6	-	3.00
			Flyover	Nos	-	-	-	0
			Underpass	Nos	-	-	-	0
	Traffic Management	Traffic Management	Culverts	Nos	1,500	50	-	15.00
			Traffic Signal/ Signs	-	-	30	-	30.00
			Divider/Island	km	33	-	-	0
River Landing	Boat Landing	Road Marking	km	-	-	-	0	
		Boat Landing	Nos	-	-	-	0	
Sector wise total cost =							801.16	

Source: RpCC

² A goli road is a road that is small and narrow within the jurisdiction of CC.

(2) Drainage**Table 4-3: Summary of Existing and Proposed Infrastructure (Drainage)**

No.	Sector	Name of Component	Work Category	Unit	Rangpur City Corporation			Proposed Tentative Cost (Crore)
					Present Quantity	Proposed (Additional) Quantity	Improvement/Rehabili.	
					New			
2	Drain improvement	Drain Improve ment	Khal/Canal/Outfall Drain (Can be Re-sectioning)	km	60	0	28.50	49.00
			Primary Drain	km	20	113.01	15.60	171.38
			Secondary Drain	km	60	143.09	19.50	151.57
			Tertiary Drain	km	90	91.06	25.30	70.81
			Cleaning Blockage		175	0	0	0
			Total drain length & Cost	km	405	347.16	88.9	442.76

Source: RpCC

(3) Solid Waste Management (SWM)**Table 4-4: Summary of Existing and Proposed Infrastructure (SWM)**

No.	Sector	Name of Component	Work Category	Unit	Rangpur City Corporation			Proposed Tentative Cost (Crore)
					Present Quantity	Proposed (Additional) Quantity	Improvement / Rehabili.	
					New			
3	Solid Waste Management (SWM)	Solid Waste Management (SWM)	Transfer Station	Nos	0	4		1.00
			Improved Dumping Ground/ Landfill Site	Nos	0	1		0.50
			Compost Plant	Nos	0	1		7.00
			Movable Roadside Dustbin	Nos	0	50		0.80
			Solid Waste Recycle Plant (3R)	Nos	0	1		7.50
			Clean Development Facility	Nos	0	TBD		0
			Medical Waste Disposal (Separation)	Ton	1.5 ton per day	TBD		0
			Electronic Waste Disposal	Nos	-	1		2.00
			Biogas Plant	Nos	20	TBD		0
								18.80

Source: RpCC

TBD: To be discussed

(4) Water Supply System (WSS)**Table 4-5: Summary of Existing and Proposed Infrastructure (WSS)**

No.	Sector	Name of Component	Work Category	Unit	Rangpur City Corporation			Proposed Tentative Cost (Crore)
					Present Quantity	Proposed (Additional) Quantity	Improvement / Rehabili.	
					New			
4	Water Supply System (WSS)	Water Supply System (WSS)	Production Wells	Nos	10	8	2	5.00
			Surface Water Treatment Plants	Nos	-			0
			Overhead Water Tank	Nos	6	3		7.50

Distribution Network	km	135	70	12.50	18.50
Hand Tube Well	Nos	750			0
Public Stand Pipe (Street Hydrant)	Nos	39	TBD		0
Metering (Domestic and Bulk Meters)	Nos	-	TBD		0
Iron and Arsenic Removal Plants for Water Quality Improvement	Nos	2	2		6.00
Rainwater Harvesting ³	Nos	-	TBD		0
					37.00

Source: RpCC

TBD: To be discussed

(5) Sanitation**Table 4-6: Summary of Existing and Proposed Infrastructure (Sanitation)**

No.	Sector	Name of Component	Work Category	Unit	Rangpur City Corporation			Proposed Tentative Cost (Crore)
					Present Quantity	Proposed (Additional) Quantity New	Improve-ment/ Rehabili.	
.5	Sanitation	Sanitation	Slaughter House	Nos	1	3	1	4.00
			Twin Pit Latrine	Nos	300	TBD		0
			Single Pit Latrine	Nos	-	TBD		0
			Public Toilets	Nos	8	30		4.50
				Nos				0
			Wash Station	Nos	-	TBD		0
			Transfer Station for Sludge Disposal	Nos	-	TBD		0
			Common Septic Tank	Nos	-	TBD		0
			Total cost of the sector					

Source: RpCC

TBD: To be discussed

(6) Municipal Facilities**Table 4-7: Summary of Existing and Proposed Infrastructure (Municipal Facilities)**

No	Sector	Name of Component	Work Category	Unit	Rangpur City Corporation			Proposed Tentative Cost (Crore)
					Present Quantity	Proposed (Additional) Quantity New	Improve-ment/ Rehabili.	
6	Municipal Facilities	Bus Terminal	Terminal building, platform, Internal drainage	Nos	5	2		25.00
		Truck Terminal	Terminal Building, platform, Internal drainage	Nos	1	1		8.00
		Vehicle Parking	For motor vehicle, CNG, rickshaw	Nos	-			
		Market	Kitchen market, Super market	Nos	24	2		41.00
		Community Center, City Corporation Office Building	CC main office, Community center, Ward office	Nos	-	3		120.00
		Auditorium, Public	Auditorium, Public hall, Cultural	Nos	-	1		10.00

³ Rainwater harvesting can be encouraged, but it is only encouraged at a small-scale due to operations and maintenance requirements.

No	Sector	Name of Component	Work Category	Unit	Rangpur City Corporation		
					Present Quantity	Proposed (Additional) Quantity New ment / Rehabili.	Proposed Tentative Cost (Crore)
		hall, Cultural Centre center					
		Open Space (Parks, etc.)	Park, Ground	Nos	-		0
		Street Light (Light and Pole)	Light, pole, solar panel	Nos	8,000 (6,500)	400 km	129.00
		Landscaping and Beautification, (Land Areas & Water Bodies)	Planting, Water body improvement, monument,	Nos	-	1	110.00
		Grave Yard	Gate and wall, lighting, drainage,	Nos	12	TBD	0
		Sports Facility	Gym, stadium	Nos	2	TBD	0
		Upgraded Informal Settlement	Re-arrangement of informal shops	Nos	-	TBD	0
		Kitchen Market		Nos	48		13.30
		Total cost of the sector					423.30

Source: RpCC

TBD: To be discussed

The total estimated cost of all projects identified in Tables 4-2 to Table 4-7 is 1731.52 crore BDT.

4.3 Inclusive List of Infrastructure Development in RpCC

4.3.1 Summary of the Infrastructure Project List

The inclusive list of infrastructure development projects is attached as Annex D-1. The summary of the project list is shown in the following table. Please note, there are some inconsistencies with Tables 4-2 to 4-7 above, which is under review.

Table 4-8: Summary of Inclusive Infrastructure Development Project List

Sector	Quantity	Cost (Crore)	Note
Drainage	5 first-level drains 16 second-level drains 72 third-level drains 107 roadside drains	306.53	<ul style="list-style-type: none"> • Five first-level drains and khals need rehabilitation, lining, and earth-cutting (with a total length of 16.0 km). • RpCC needs construction of 16 second-level drains in Wards 19, 20, 21, 22, 23, 25 and 26 (total length of 36.4 km). • All the 72 third-level drains to be constructed are in Wards 17–27. • 107 roadside drains are divided into 18 groups by ward. The shortest one is 120m and the longest one is 8.0 km.
Solid Waste	Solid waste treatment plant with recycling system.	3.5	<ul style="list-style-type: none"> • RpCC plans to develop one dumping site with recycling facilities (10.75 acre) outside of the CC territory.
Transportation	99 important roads 37 tertiary roads 142 Goli roads	350.75	<ul style="list-style-type: none"> • Renovation of important roads is needed, while new road construction is expected after approval of the Master Plan. • Many tertiary roads need improvement.
	Bridge and overpass		<ul style="list-style-type: none"> • RpCC expects 11 new suburban bridges to be constructed. • Expected overpass is 405m long and cost 60 crore.
	Traffic management systems		<ul style="list-style-type: none"> • Traffic signals, road markings, road dividers and road maintenance equipment.
Water supply	34 tube wells with pump houses 13 overhead tanks 1 treatment plant	68.80	<ul style="list-style-type: none"> • RpCC wants to expand its water supply system by constructing 34 sets of deep tube wells and pump houses, 13 overhead tanks and 98 km of piping. • RpCC also needs to build a treatment plant for surface water.
Municipal facilities	1 bus terminal 1 truck terminal 2 market places 1 CC office building 1 auditorium 1 landscaping 1 park 1 playground 7,620 street lights	326.53	<ul style="list-style-type: none"> • RpCC needs to construct or renovate many municipal facilities. • All the subprojects do not need require land acquisition except the bus and truck terminals.
Sanitation	3 slaughter houses	3.00	<ul style="list-style-type: none"> • RpCC needs three new slaughter houses in different areas.

Source: RpCC, ICGP Team

Note: Crore is ten million

4.3.2 Information on Infrastructure Projects Sponsored by Other Agencies

The inclusive subproject list of RpCC should include infrastructure plans sponsored by other agencies at the national level. Since Rangpur is the capital city of the Rangpur Division and Rangpur district, there is a significant number of branch offices of the National Government. Even though these agencies work in the territory of the RpCC, they are carrying out their projects independently sometimes with inadequate coordination with RpCC.

Municipal governments and agencies of the National Government had no framework or process to exchange information on their work and plans. Thus, such projects were excluded from the Inclusive List of Infrastructure. However, RpCC, as an inclusive City Government, is still responsible for ensuring necessary coordination for all public services in its territory.

Consultant team of the ICGP Team will support City Development Coordination Committee (CDCC) as an item of ICGIAP. In this regular committee meeting, RpCC and Central Government agencies should exchange their information and opinions so that RpCC's inclusive subproject list can include all the relevant project plans by the Central Government agencies. Records of the CDCC meetings shall be reported to the PD of ICGP Team so that effectiveness of CDCC can be secured.

Chapter 5 Planning, Implementation, Evaluation and O&M Arrangement

5.1 Planning of IDPCC of RpCC

Planning and implementation of IDPCC may have several aspects. This chapter discusses these aspects.

(1) Conventional Infrastructure Planning and Master Plan

Conventional infrastructure planning was an agglomeration of “piece meal” subproject ideas. Each councilor get requests from his/her constituencies and convey these to the CC authority. These subprojects hardly include big projects that change trends of infrastructure and public services of the City. Annual project list includes hundreds of subprojects and the smallest subprojects are sometimes a couple of lacs. Even though bottom up planning is important, strategic planning is essential for innovation and effectiveness.

Infrastructures planning for donor’s program may have different approach. UGIIP 2 project had prepared Pourashava Development Plan for Rangpur in a consistent way and proposed three groups of subprojects with a cost of 505 lacs.

(2) Participation of Stakeholders

Participation of stakeholders is important for development plan elaboration. IDPCC shall be prepared and revised with the following method of participation.

1) PIUCC

Draft IDPCC preparation and revising shall be undertaken by PIUCC, which is a task force assigned by Mayor and include CEO as chairperson, some councilors, head engineer, planner, relevant officers and councilors.

2) Stakeholders Committee Meeting

Stakeholders Committee Meeting is as advisory committee set up for ICGP Team to discuss vision, strategy, subprojects and their basic designs. Members include representatives of various sectors in the civil society. Draft IDPCC should be explained to Stakeholder Committee Meeting to improve and finalize the project. With this procedure the IDPCC can get consensus of a wider segment of the society and facilitate smoother implementation and resource mobilization.

City councilors shall get information of proposed projects that are relevant with his/her ward, and discuss in Ward Level Coordinating Committee. This consensus making will secure a swift progress of the project with no objection group.

3) Community Groups

Participation of community groups has not been established for the initial elaboration of Infrastructure Development Plan by ICGP Team. However, RpCC is aware of the approach of Previous UGIIP-2 Project of ADB. A three layer structure of TLCC-WLCC-CBO was employed in UGIIP-2 for a community participation system of the PS administration. JICA ICGP Team is conducting pilot project in CoCC to examine an effective community participation system. Participation of community groups would be refined in RpCC when the lessons learned are available from this pilot project.

(3) Approval and Consensus

1) Approval of City Meeting

Since the IDPCC shows important direction of city development, it should be approved through city meeting, so that every councilor and executive officer appropriately recognizes the plan. This approval is necessary to avoid any potential conflict and to facilitate strategic budgeting for implementation of IDPCC.

2) Consensus of Relevant Organizations

Once IDPCC is authorized, it shall be explained to relevant outside organizations such as LGD and other National Government agencies, Donors, and managers of on-going projects in the city.

5.2 Implementation of IDPCC

For an effective implementation of IDPCC and Operation and Maintenance of the infrastructure, NCC needs various improvements,

- Institutional development and assignment of appropriate officers
- Work demarcation between what is undertaken by RpCC and what is contracted-out
- Human resource development
- Resource enhancement for project funding
- Equipment and staffing for better Operation and Maintenance

These issues will be further discussed in line with ICGIAP preparation.

5.3 Evaluation of IDPCC Subprojects

5.3.1 Evaluation of Subprojects

Evaluation of subprojects is important to examine the efficiency, effectiveness, and sustainability. Lessons learned from evaluation shall be applied to the on-going and up-coming subprojects.

National government and donors often include evaluation procedure in their programs. For example, JICA loan program has evaluation scheme based on the Qualitative and Quantitative Indicators.

Table 5-1 shows sample of indicators to evaluate subproject after the second year of their construction completion.

Table 5-1: Suggested Indicators for Subproject Evaluation

Sub-sector	Qualitative Indicator	Quantitative Indicator	
		Operational Indicator	Effectiveness Indicator
1 Road	More comfortable paved road for pedestrians.	<ul style="list-style-type: none"> Increase in traffic volume (vehicles/day) 	<ul style="list-style-type: none"> Decrease in vehicle hours traveled (hours/year) Decrease in overall fuel costs (BDT/year)
2 Bridge	Increased exchange and interaction for people from both sides of the river.	<ul style="list-style-type: none"> Increase in traffic volume (vehicles/day) 	<ul style="list-style-type: none"> Decrease in vehicle hours traveled (hours/year) Decrease in overall fuel costs (BDT/year)
3 Drainage	Less flooding to improve commuting	<ul style="list-style-type: none"> Number of times large drains overflow (place/year) 	<ul style="list-style-type: none"> Decrease in largest flooded area (km²)
4 Solid Waste Management	Fewer people litter on roads and vacant lands	<ul style="list-style-type: none"> Increase in volume waste disposal (ton/day) 	<ul style="list-style-type: none"> Increase in households who waste is collected (% of households)
5 Water Supply	Decrease in water exploration works	<ul style="list-style-type: none"> Increase in volume of water supplied (ton/day) Increase in number of water contracts 	<ul style="list-style-type: none"> Increase in water supply coverage (% of households)
6 Public Building	Contribution of community building	<ul style="list-style-type: none"> Increase in yearly visitors (persons/year) 	<ul style="list-style-type: none"> Increase in facility placement ratio (% of wards; i.e., 50% of wards have a community center)
7 Street Light	Safer to go at night	<ul style="list-style-type: none"> Increase in number of working street lights (Nos/year) 	<ul style="list-style-type: none"> Increase in municipal roads (20 ft or wider) equipped with street lights (% of municipal road)
8 Park, Stadium, etc.	Enhanced level of leisure and amusement for citizens	<ul style="list-style-type: none"> Increase in number of visitors (persons/year) 	<ul style="list-style-type: none"> Increase in number or floors of public facilities per 100,000 people Increase in park area per person (m² of park area/person)

5.3.2 Evaluation of IDPCC

IDPCC itself should be evaluated and revised every three years so that it can facilitate better progress of infrastructure development of RpCC. Sufficiency of the IDPCC should be measured by following three aspects:

1) Relevance

Relevance is to evaluate whether IDPCC and its contents are all relevant to the overall goal of the RpCC and are consistent with other plans. After three years a new master plan will be available, consistency between IDPCC and the coming master plan should be carefully examined. IDPCC should play a role of “action plan” for the prospective master plan.

2) Effectiveness

In three years, some of the project would have been implemented. Then, whether these implementations contribute to the achievement of vision and development goals should be evaluated. If the effectiveness is not enough, IDPCC should be reorganized so that each subproject contributes to the vision and goals. Every statement of IDPCC, from vision to each subproject, could be revised if necessary.

3) Sustainability

Sustainability is to evaluate whether the operation and maintenance of the built infrastructure and public services can be maintained by RpCC itself or not.

- Water supply and market places are the examples of paid public services. Tariff should be properly charged and collected. Otherwise, this kind of public services cannot be sustainable.
- RpCC cannot get any direct fee for the services of road, drain, solid waste management, etc. However, RpCC is still responsible for the operation and maintenance of these infrastructures. The more the construction, the more the cost of maintenance. RpCC should make mid to long term financial plans for operation and maintenance.
- For the time being, initial cost of major infrastructure development would be covered by outside funds such as National Government, JICA, ADB, WB, etc. However, this condition cannot be expected for many years. NCC should make steady efforts to increase the ratio of cost covered by RpCC itself.

5.4 Operation and Maintenance Arrangement

Part 2 of this Volume 4 articulates on this matter. The relevant parts of the same section will be elaborated and inserted here when this part becomes an independent Infrastructure Development Plan of RpCC.

Chapter 6 Financial Planning of RpCC

6.1 Overview

A good infrastructure development plan without budgetary support is not implementable. IDPCC needs to align the budgeting and funding efforts of the CC.

The first and most important effort RpCC should make is to increase its own revenues. The RpCC Mayor and executive officers are well aware of this and are implementing practices to increase the holding tax. According to the relevant regulations, real estate properties should be re-appraised every three years. In order to facilitate this re-appraisal, ICGP Team in FY2013 is now conducting a pilot project to develop property assessment software for holding tax. This software would contribute to increasing the annual revenue of RpCC.

A second possibility is to procure funds from the National Government and donors. Each program has its own concept, approach and specific funding targets. RpCC may seek infrastructure funding from every possible funding organization for IDPCC's authorized subproject list.

Thirdly, not only does subproject implementation require funding, but also the planning, operation and maintenance (O&M) stages. RpCC shall allocate appropriate budget for these tasks. Every year, new infrastructure is added to RpCC's inventory, thus the O&M cost will accumulate and further burden the CC budget.

Within FY2013–14, the RpCC Master Plan, which is under preparation, will be completed. The priority projects of the anticipated Master Plan will be added to the IDPCC, which demands an increased effort in fund raising by RpCC.

6.2 Infrastructure Budget

This section details the current status of the infrastructure budget.

6.2.1 City Corporation Revenue

The table below shows revenues and expenditures for RpCC over the past three years. Owing to the establishment of the new CC in June 2012 (Rangpur Pourashava turned into Rangpur City Corporation, which expanded the area to 33 wards), the size of the revenues/expenditures increased between 2011–12, nearly doubling by 2012–13.

Table 6-1: RpCC Revenues and Expenditures over the Past Three Years

Unit: BDT

Revenue:						
Particulars	Year					
	2012-13		2011-2012		2010-2011	
Revenue A/C (CC's own source)						
Holding tax	150,000,000	② 35%	50,000,000	② 25%	42,000,000	② 24%
Other taxes	264,950,000		148,680,000		131,720,000	
Fees & charges (water tariff)	9,500,000		3,200,000		3,500,000	
Sub-total	429,450,000	① 30%	202,380,000	① 32%	177,520,000	① 31%
Development A/C						
Development Budget (CC own fund)	71,000,000		41,000,000		30,500,000	
ADP	270,000,000		260,000,000		100,000,000	
Project/Doners	660,000,000	③ 46%	190,000,000	③ 30%	260,000,000	③ 46%
Sub-total	1,001,000,000		431,000,000		390,500,000	
Total Revenue	1,430,450,000		633,380,000		568,020,000	
Expenditure :						
Particulars	Year					
	2012-13		2011-2012		2010-2011	
Revenue A/C (Recurrent expenditure)	427,200,000		148,516,142		134,236,952	
Development A/C (Development expenditure)	980,000,000	④ 70%	244,616,238	④ 62%	100,859,374	④ 43%
Total Expenditure	1,407,200,000		393,132,380		235,096,326	

Source: Rangpur CC

6.2.2 External Funding Sources for RpCC Infrastructure Development

The tables below details current external funding resources for infrastructure projects (construction and planning).

Table 6-2: Example of External Funding Sources for Infrastructure Projects

Resources	Relation with RpCC
1 Annual Development Program (ADP)	ADP is a subsidy system from LGD which has three components: Lump Sum Grant: RpCC received 10 crore BDT for FY2012-13. The amount is determined based on population, city area and poverty status. Special Grant: RpCC received 8 crore BDT for FY2012-13. This is a budget for special projects, allocated through negotiation. Development Project Proposal (DPP): RpCC has not received this funding. DPP is under preparation.
2 Municipality Governance Support Program (MGSP) supported by WB	RpCC is included in this program and is permitted to request support. RpCC will receive funds for drains and roads. Relevant subprojects are marked in the inclusive project list.
3 Bangladesh Municipality Development Fund (BMDF) supported by WB	RpCC will receive funds for infrastructure development and maintenance.
4 Urban Partnership for Poverty Reduction (UPPR) supported by UNDP and DFID	UPPR is active in RpCC with 85 Community Development Committees (CDC) in poor settlements.
5 District Town Infrastructure Development Project (DTIDP), by LGED	RpCC receives 2 crore BDT for planning, construction and maintenance of roads and drains.

	Resources	Relation with RpCC
6	37 Districts Water Supply Project supported by GOB	RpCC receives funds for replacement of an old asbestos pipeline, installation of new pipelines and maintenance of plants and overhead tanks.
7	JICA Loan Program	A JICA Project (Inclusive City Governance Project) is preparing investing projects for various infrastructure sectors. RpCC is coordinating with the JICA Expert Team and LGED for project selection and basic design.

Source: ICGP Team, RpCC

Table 6-3: Example of External Funding Sources of Infrastructure Planning

	Name of Plan	Contents	Funding Status
1	Master Plan	Master Plan preparation is on-going for the RpCC area under the DTIDP of LGED.	9/2011–11/2013; under DTIDP program, by LGED.
2	Drainage plan	Previous PS of Rangpur prepared a drainage plan with support of UGIIP-2. However, RpCC needs a new drainage master plan that covers the entire city territory.	2009–12; funding by ADB and GTZ through UGIIP-2.
3	Water Supply and Sewerage Master Plan	RpCC collaborates with KOICA to prepare a Water Supply and Sewerage Master Plan in CC area.	2013–15
4	Concept Vision Plan	This plan shows the Mayor's development vision and contains the following sub-sectors: road network, city nodes, area development, bridges, water front development, city hall and others.	2013–17; funded by RpCC.

Source: ICGP Team, RpCC

Chapter 7 Amendment of Rolling Plan

7.1 Concept of Rolling Plan

There are many development plans made by the public sector. These plans usually have target years such as 5, 10, 20 years. Within that time frame, subprojects listed in the plan should be implemented. Therefore, the older the plan the fewer the remaining subprojects for implementation.

On the other hand, a rolling plan has no specific target year and subproject list is always revised and renewed. This is a series of repeating seamless activities of “Plan”, “Do”, “See”, and “Re-plan”

7.2 Institution and Authority of Revise

Overall responsibility belongs to the Mayor of CC. However, necessary arrangement and action will be taken based on the “Institutional Structure for IDPCC Management” shown as Figure 1-1, Chapter 1 of this Volume 4. Other than this, activating infrastructure Standing Committee is one idea. This committee can be established in CC and members shall be the city councilors and the Mayor. They shall handle infrastructure issues in the CC and lead the relevant discussion in City Meeting and input appropriate information for fruitful discussion of Civil Society Coordination Committee Meeting.

7.3 Revising Subproject List of IDPCC

The idea of subprojects are coming from various sources and stakeholders such as master plan, CC engineers, CC councilors, National Government Agencies, etc. These subproject ideas are examined by PIUCC, Stakeholders Committee Meeting, and CC executives and listed in the IDPCC.

Then some projects are funded by various agencies and implemented. Once funding is secured, the subproject is not a “plan” any more, it is now reality. Therefore such subproject shall be removed from the list and a new project will be considered.

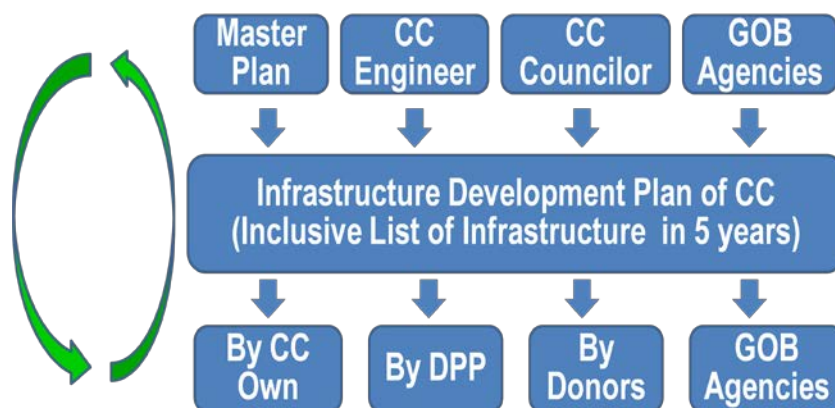


Figure 7-1: Subproject Ideas and Funding

Suppose there are four subprojects in the IDPCC. Then three of them A, B, C have been funded by ADB, DPP (National Government Fund) and JICA. Subprojects A, B and C will be replaced by D, E and F, while Subproject D remains because it could not get funding from any resources.

Small replacement or re-planning shall be conducted every year. Thus the IDPCC is changing every year and is always renewed. This is why this plan is called a “Rolling Plan”.

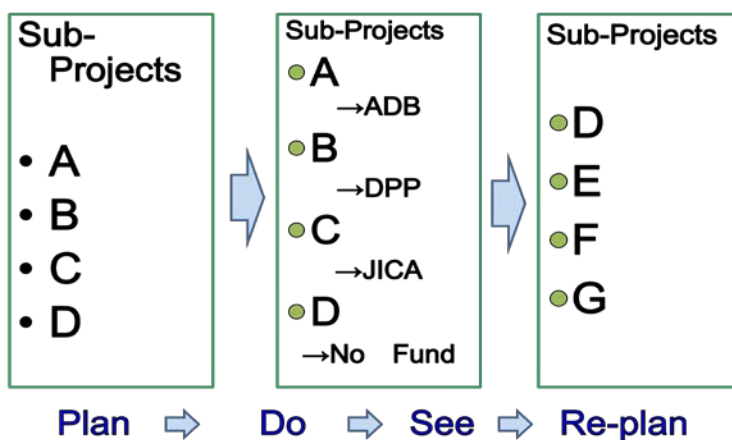


Figure 7-2: Replacement of Subprojects in Inclusive List

7.4 Renewal of IDPCC in Three Years

7.4.1 Reason and Concept of Renewal

Major changes or amendment of the entire IDPCC shall be carried out every three years as all the major items mentioned in the IDPCC will have been changed and out of date in three years. These items may include current situation, vision, strategies, short and medium term goals of infrastructure development.

IDPCC, even after the renewal, should keep the following logic and characteristics;

- Vision is consistent with other CC policies and reflect the peoples’ wishes
- Short and medium term goals of infrastructure development is consistent with the vision
- If subprojects are achieved, the short term goal is automatically fulfilled without additional interventions.
- IDPCC should include all the project plan regardless of the expected funding source,
- IDPCC should always be renewed with recent information and list of subproject of any fund recourse
- IDPCC should be simple and easy to understand so that every citizen, especially, CSCC members can grasp the whole picture and make fruitful disputation.

7.4.2 Institutional Procedure of IDPCC Renewal

After three years, PIUCC should review the entire IDPCC and draft an amended version. This draft shall be discussed by Civil Society Coordination Committee meeting and finally endorsed by City Meeting. Institutional structure of renewal consistent the first elaboration of IDPCC.

PART 2

Governance and Financial Reform Program

Chapter 8 Governance and Financial Reform Program

This chapter explains the distinct aspects of ARP of RpCC. Administrative Reform Plan is described in Annex H-1. This ARP is formulated based on Function Performance Analysis and 5 Year Action Plan attached in Annex H-2.

8.1 Administrative Reform Plan (ARP) of RpCC

8.1.1 Prioritized Infrastructure Issues and ARP

Issues in infrastructure in RpCC are also the same as other CCs. Like CoCC and GCC, Town Planning is the top priority of RpCC, but the strategy is to establish independent divisions and enhance capacity development. Town Planning is followed by drainage and roads which are usually high priority issues in other CCs. Water supply and waste management issues were comparatively low ranked. Markets and bus terminals are issues that were not proposed in NCC and CoCC. Though RpCC has markets and bus terminals, renovation and modernization are expected.

Education is a unique issue proposed by RpCC. The RpCC is already running primary schools on its own, but school conditions are poor. Hence, the RpCC proposes to renovate five of seven schools in the short-term, upgrade primary schools to secondary schools and establish a college as a long-term strategy.

Table 8-1: Prioritized Infrastructure Topics and Strategies

Infrastructure Topic	Long Term Strategy	Short-Term Strategy
Town Planning	<ul style="list-style-type: none"> Establish a Town Planning Division Update map (100% of area) 	<ul style="list-style-type: none"> Implement capacity development Update map (60% of area)
Drainage	<ul style="list-style-type: none"> Eliminate flooding 	<ul style="list-style-type: none"> Reduce flooding Cover 36% of the area
Road	Improve road travel (average 35 km/h)	Improve road travel through widening (average 28 km/h)
Street Light	Increase street light coverage (80%)	Increase street light coverage (25%)
Water Supply	Introduce surface water supply (50% in rural, 90% in urban)	Increase water supply (10% in rural, 45% in urban areas)
Market	Increase and modernize markets (20 markets)	Rebuilt and renovate markets (1 kitchen market and 2 supermarkets)
Waste Management	Provide sufficient equipment (70% garbage collection)	Improve garbage collection (70% urban/20% rural)
Bus Terminal	Provide sufficient capacity (three large terminals and four small terminals)	Modernize terminals
Education	Provide sufficient higher education (establish one college and upgrade 15 schools)	Renovate schools (five schools)

8.1.2 Major Issues in Prioritized Sectors

(1) Town Planning

Technical training is required for town planning. Though there is one skilled town planner, he/she may need more technical skills to implement the Master Plan once it is prepared. In order to implement and update the database and maps, RpCC needs skilled manpower such as GIS

operators and surveyors, as well as equipment (such as PCs with GIS software and GPS) to manage data and maps.

RpCC has no experience in site development like the other new CCs, thus RpCC staff need to be trained and appropriate manpower identified for implementation.

(2) Drainage

Technical training is necessary for drainage construction and design. Kaizen activities can be applied to improve inspection, maintenance and cleaning activities.

Drainage scheme is also new for RpCC, thus technical training is required for engineers and town planners.

(3) Road

To improve road construction, RpCC suggests increasing manpower such as sub-assistant engineers and surveyors that work in the field. Since contractors in RpCC are on a small-scale and lack appropriate construction equipment, RpCC needs to acquire construction equipment to lease to local contractors so that they can maintain road quality.

There is a large demand for staff to maintain road, highways and terminals.

(4) Street Light

Maintenance is the principal issue related to street lights. RpCC proposes to give electrical mechanics training. Equipment for electrical work and ladders are suggested for installation.

(5) Water Supply

As there is no independent authority on water supply like WASA in NCC and GCC, water supply service is provided by the CC and DPHE. As explained in CoCC, there is a duplication of functions between them. Though it is basically project-based, Department of Public Health Engineering (DPHE) established deep and shallow tube wells as a water source. DPHE also provide technical support to the CC. In order to achieve short- and long-term targets, the demarcation between the roles of the CC and DPHE should be clarified.

(6) Market

Activity at the public market is one of the important sources of income for CCs. In order to construct public markets, technical training is suggested to design and supervise construction. Construction equipment for road construction can be utilized for public markets.

(7) Waste Management

Community participation is proposed for waste collection from households and for site selection for the primary collection point. An NGO will be involved in the collection of medical waste. For waste collection from the primary collection point, The NGO suggested acquiring 12 trucks and employing 70 workers. For monitoring purposes, it is recommended to recruit 57 conservancy supervisors.

Two excavators with dozer are proposed to be acquired for waste management.

(8) Bus Terminal

Improvement of bus terminals is essential as RpCC is the centre of the northern Bengal region. Kaizen activities are proposed for the selection of location, tender management, supervision and

monitoring of construction and conditions. Technical training and acquisition of equipment are required as it is suggested for road construction.

(9) Education

As described above, RpCC proposes to improve educational institutions. According to the CC Act, the RpCC has not responsibility for the construction of schools. If RpCC initiates construction of new schools, the Act should be amended. Furthermore, the Act should be modified to detail the arrangements made with national agencies currently responsible for constructing schools. LGED has the responsibility for constructing primary schools, but these are mainly in rural areas. The Educational Engineering Department is also one of the national agencies that construct schools (although these are only higher education institutions such as colleges).

The ICGP Team also proposes to allow different agencies the opportunity to construct and operate schools as done in other countries.

8.1.3 Community Involvement

When Rangpur CC areas were a part of PS, PS government established CBOs to collect waste from households. However, waste collection by CBOs was not sustainable. As proposed to NCC and CoCC, RpCC also agreed to establish a cooperation system with CBO for waste management and other public services.

8.2 Financial Planning of RpCC

In this section, RpCC's current financial situation is examined, followed by recommendations on future financial planning.

8.2.1 Financial Analysis of Rangpur CC

(1) RpCC Revenues and Expenditures

The table below presents RpCC revenues and expenditures over the past three years. Owing to the establishment of the new CC in June 2012 (Rangpur PS has turned into Rangpur City Corporation, which expands area to 33 wards), revenues/expenditures increased in 2011–12, and will more than double in 2012–13.

Table 8-2: RpCC Revenues and Expenditures for the Past Three Years

Unit: BDT

Revenue:						
Particulars	Year					
	2012-13		2011-2012		2010-2011	
Revenue A/C (CC's own source)						
Holding tax	150,000,000	② 35%	50,000,000	② 25%	42,000,000	② 24%
Other taxes	264,950,000		148,680,000		131,720,000	
Fees & charges (water tariff)	9,500,000		3,200,000		3,500,000	
Sub-total	429,450,000	① 30%	202,380,000	① 32%	177,520,000	① 31%
Development A/C						
Development Budget (CC own fund)	71,000,000		41,000,000		30,500,000	
ADP	270,000,000		260,000,000		100,000,000	
Project/Donors	660,000,000	③ 46%	190,000,000	③ 30%	260,000,000	③ 46%
Sub-total	1,001,000,000		431,000,000		390,500,000	
Total Revenue	1,430,450,000		633,380,000		568,020,000	
Expenditure :						
Particulars	Year					
	2012-13		2011-2012		2010-2011	
Revenue A/C (Recurrent expenditure)	427,200,000		148,516,142		134,236,952	
Development A/C (Development expenditure)	980,000,000	④ 70%	244,616,238	④ 62%	100,859,374	④ 43%
Total Expenditure	1,407,200,000		393,132,380		235,096,326	

Source: Rangpur CC

In order to assess RpCC's public finance situation, the following ratios are analyzed:

- ① Ratio of CC's *own source* to Total Revenues (budget) of CC
- ② Ratio of *holding tax* to CC's own source (revenue account)
- ③ Ratio of *special allotment for specific projects* (foreign aid, the central government) to Total Revenues (budget) of CC
- ④ Ratio of *development expenditure* to Total Expenditure of CC

- ① Ratio of CC's *own source* to Total Revenues (budget) of CC In 2012–13, tax revenue and fees earned in RpCC (own source) accounts for 30% of RpCC's total budget. This ratio has remained was at a similar level from 2010–11 and 2011–12. Comparing the actual amount over the past three years, the ratio in 2012–13 has doubled compared to 2011–12.
- ② Ratio of *holding tax* to CC's own source (revenue account)
In 2012–13, the share of holding tax to RpCC's own sources is about 35%. This ratio has increased compared to that in the previous two years, which was around 25%.
- ③ Ratio of *special allotment for specific projects* (foreign aid, the central government) to Total Revenue (budget) of CC
Like other CCs, special allotment projects represent the largest share of development budget during the past three years (around 30%–46%). RpCC depends on such project for specific funding.
- ④ Ratio of *development expenditure* to Total Expenditure of CC
Development expenditure represented the principal part of the total expenditures during the last three years. Both operating and development expenditures have gradually increased.

8.2.2 Tax

(1) Holding Tax in RpCC

1) Tax Rate

The tax assessment for holding tax is practiced according to the model tax schedule 2003 and CC tax rules 1986. Holding tax consists of four items; (i) tax on buildings and lands, (ii) lighting rate, (iii) conservancy rate and (iv) water rate⁴. According to regulations, tax rates within the CC are determined by the CC themselves. These rates are within a ceiling stipulated in the tax law that considers the service levels. RpCC has its own holding tax rate as follows:

According to regulations, tax rates within the CC are determined by the CC themselves. These rates are within a ceiling stipulated in the tax law that considers the service levels. RpCC has its own holding tax rate as follows:

Table 8-3: RpCC Holding Tax Rate

Items	RpCC Rate	Maximum Ceiling
Tax on building and land	7%	7%
Conservancy rate	7%	7%
Lighting rate	3%	3%
Water rate	3%	10%

Source: ICGP Team

2) Number of Holding

An interim tax assessment was conducted in 2011–12⁵. The number of registered holdings in RpCC is 31,960. As seen in the table below, tax assessment has not been properly instituted in the newly merged area, as the number of holdings still stands at a low level. According to RpCC officials, a proper assessment would result in an increase of *approximately 35,000*.

Table 8-4: Number of Holdings in RpCC

Existing Holdings in Rangpur Municipality	Holdings in the Newly Merged Areas	Total Holdings (2011–12)
31,514 (Private) & 44 (Government)	0	31,960

Source: ICGP Team

3) Efficiency of Tax Collection

The table below presents the RpCC tax collection efficiency over the past three years. Collection efficiency has gradually increased and achieved greater than 80% efficiency in 2011–12.

According to tax regulations, the valuation of holdings may be estimated based on: (i) rental fees; or (ii) construction costs. RpCC applies taxes based on the rental fee basis. Through assessor valuations, the amount of demand is determined and presented below.

⁴ Naming of each tax items is stipulated in tax regulations (the model tax schedule 2003 and CC tax rules 1986).

⁵ The general tax assessment was started from October 2013.

Table 8-5: RpCC Tax Collection Efficiency

Year	Demand (BDT)	Collection (BDT)	Collection Efficiency (%)
2011–12	202,380,000	148,516,142	83.38
2010–11	177,520,000	134,236,952	75.61
2009–10	121,368,000	86,447,288	71.22

Source: Based on answers to an ICGP Team questionnaire.

4) Issues of Tax Assessment and Collection

Number of Holdings

As stated above, while the percentage of collection efficiency has gradually increased to over 80% in 2011-12, this does not indicate that tax collection in RpCC is on track. The number of holdings has been largely underestimated. Furthermore, these figures do not reflect the actual demand for the holding tax. If tax assessment was properly conducted, the number of holdings would double.

Similar to CoCC (different than NCC and GCC), there are revenue limitations from the holding tax, even if the exact number of holdings is registered as most holdings are residential with few commercial facilities except for those related to the tobacco industry.

Petition against Valuation and Assessment

Those unsatisfied with the assessment can apply for a review according to tax regulations. In RpCC, approximately 20%-30% of tax payers were unsatisfied with the assessment. The Mayor has dealt with the complaints, and, as a result, a certain percentage of the tax demand has been deducted.

Capacity of Revenue Department

Currently, RpCC's tax assessment section consists of nine staff, while the tax collection section has 28 staff. Altogether, these sections cover 33 wards. The tax collection section issues and sends bills, and completes bank payment statements made by taxpayers. The size and quality of the section staff is insufficient.

Although assessment should be based on the taxpayer identification number, holdings have not been systematically recorded due to an inadequate identification system and linkages with the construction registration.

Although a tax register/record is the basis of all relevant transactions, the record is in a written, not digitized format. As mentioned above, while a computerized tax record system was introduced in the RpCC, the system is only used to issue tax bills. Data is entered manually from the registry to the computerized tax record system.

(2) Other Taxes in RpCC

According to tax regulations, the CC can impose taxes on several sources besides holdings including on: (i) the transfer of immovable property; (ii) professions and businesses; (iii) cinemas and entertainment; (iv) vehicles other than motor vehicles or boats; (v) tolls; and (vi) advertisements.

The table below presents the existing tax and revenue items for RpCC in 2012–13. While holding tax is the most important tax revenue in the RpCC, revenues from other taxes are also significant. *Remarkably, taxes on the transfer of immovable property has been a major part of*

“*other taxes*”, since values of properties have increased and the purchase/sale prices have boomed over the past few years due to the establishment of new CCs.

To date, taxes on almost all potential sources have already been imposed, thus increases in tax revenues is not expected. Currently, RpCC is considering imposing taxes on other sources such as the tobacco industry, mobile towers, private clinics, etc.

Table 8-6: RpCC Tax Revenues for 2012–13

Income Sector	Unit: BDT 2012-2013
1. Holding tax (on building and land)	366,670
2. Holding tax	8,260,553
a. Conservancy rate	8,260,553
b. Lighting rate	3,527,573
c. Water rate	3,527,573
Total Holding tax (tax and rate) (1+2)	23,942,922
3. Taxes	
a. Tax on the transfer of immovable property	33,103,031
b. Municipalities’ tax surcharge	228,191
c. Profession, business and calling	3,650,974
d. Building construction and re construction	4,187,240
e. Advertisement tax	718,525
f. Cinema tax	10,625
g. Vehicle (without automotive and boat)	484,877
Sub- Total Tax	42,383,463
Grand total	66,326,385

*July 2012 to March 2013 (nine months only)

Source: Based on responses to ICGP Team questionnaire.

8.2.3 Fees and Charges

(1) Charges for Water Supply in RpCC

1) Tariff

Water users are charged based on the diameter of pipe and the type of user (i.e., residential, commuter or industrial). A measured rate system has not been introduced in the RpCC. Tariffs are at relatively low rates. Most residential users are charged at 50 BDT/month (0.50 inch diameter), while most commercial users are charged at 200 BDT/month (0.75 inch diameter).

Table 8-7: Water Tariff in RpCC

Type Consumer	Diameter (inch)	Rate (BDT/Month)
Residential	0.5	50
Residential	0.75	100
Residential	1	200
Residential	1.5	-
Residential	2	-
Commercial	0.5	100
Commercial	0.75	200
Commercial	1	400
Commercial	1.5	1,000
Commercial	2	2,000

Source: Based on responses to ICGP Team questionnaire.

2) Revenues from Tariffs and O&M Expenditures

Up to now, water supply facilities such as overhead tanks were by the central government, RpCC does not have to bear the initial costs although it is responsible for O&M costs. In principle, such costs are covered by user tariffs.

The table below presents water supply-related tariff revenues and O&M costs over the past three years. The principal revenue source is residential tariffs as many of the commercial/industrial entities have their own water supply facilities. As shown, costs and revenues were balanced in 2010–11, although costs exceeded revenues starting in 2011–12 due to the installation of a new pumping station.

Table 8-8: RpCC Water Supply Revenues and Expenditures

	2009–10	2010–11	2011–12
Tariff Revenue	4,855,300	6,437,401	5,589,000
O&M Cost	4,700,452	5,224,871	8,350,000
Net Balance	154,848	1,212,530	-2,761,000

Unit: BDT

Source: Based on responses to ICGP Team questionnaire

3) Relevant Department

The water supply section manages water supply activities including tariff collection. The section has a permanent staff of 27, consisting of a superintendent engineer, pipeline inspector, bill clerk, mechanic, and pump operator. There are 13 workers that work on a daily basis.

The registry is prepared in writing, with bill issuance being computerized. Bills are sent to users and payments are made through banks.

4) Water Supply Issues

The current water supply coverage of water supply in the RpCC is only about 2%–3%, which is expected to grow with facility expansion. Current O&M costs are not covered by tariff revenues, thus increased O&M costs associated with facility expansion may worsen the financial situation. Current tariff levels should be reconsidered.

(2) Charges for Waste Management

1) Waste Collection System and Tipping Fee

Garbage collection from households and subsequent transport to the collection station is undertaken by community based organisations (CBOs). CBOs collect 20-30 BDT/HH/month as tips from households to cover collection/transportation costs. After garbage is transported to the collection station, the RpCC is responsible for taking it to the dumping site.

2) Revenues from Conservancy Rate (Holding Tax) and O&M Expenditure

Waste management revenues come from the conservancy rate of 7%, which is part of the holding tax. The conservancy rate, however, is not only used for waste management, but it has been used for cleaning drainage, road, and so on.

The table below shows revenues from conservancy rate and O&M costs related to waste management over the last three years. As shown, revenues do not match costs, which include waste management and associated work costs.

Table 8-9: RpCC Waste Management Revenues and Expenditures

	Unit: BDT		
	2009–10	2010–11	2011–12
Conservancy Rate	7,742,601	10,156,200	11,843,799
O&M Costs	8,831,642	10,586,449	14,755,065
Net Balance	-1,089,041	-430,249	-2,911,266

Source: Based on responses to ICGP Team questionnaire

3) Relevant Department

Waste management department plays a role in waste management. There are 14 permanent staff and 483 daily workers, collectively covering 33 wards.

4) Issues on Waste Management

Currently, the volume of waste intake is about 31.5 ton/day, with waste is treated at a primary level (i.e., open dumping without soil coverings). As noted, revenues from the conservancy rate are insufficient to cover O&M costs, thus if a proper waste management system is established, O&M costs would increase. The worsening balance between revenues and costs could be significant, potentially undermining financial sustainability in RpCC.

(3) Other Fees and Charges in RpCC (Rents and Profits from Property)

1) Current Situations with Rent/Lease Revenues

The table below provides information on revenue from fees/charges and revenues in the RpCC for the past three years. The RpCC has also attempted to diversify its revenue sources. For instance, lease revenues (from buses, markets, and bazaars) and security money from the market contributes to the finances for RpCC.

Table 8-10: RpCC Fee Revenues over the Past Three Years

	Unit: BDT		
Fees	2012–13	2011–12	2010–11
a. Contractor licenses	275,100	47,000	5,000
b. Miscellaneous certificates	55,000	252,961	133,740
c. Holdings			
d. Slaughter of animals	252,250	156,250	
e. City market rent	3,058,243	5,660,166	3,567,707
f. Shop handovers			
Subtotal	3,640,593	6,116,377	3,706,447
4. Lease			
a. Bazaar lease	14,363,583	20,387,019	9,324,949
b. Temporary hat lease			
c. Public toilet lease	56,600	318,950	32,400
d. Bus/truck terminal and load /unload lease fee		1,562,500	1,796,500
e. Ferry port lease			
f. Pond lease	3,327,840	3,036,840	6,146,100
h. Road usage damage lease fee			
Subtotal	17,748,023	25,305,309	17,299,949
5. Others			
a. Road roller rent	124,000	241,000	274,745
b. Road digging damage			
c. Various forms	999,406	498,896	717,395
d. Tender schedule sale	556,741	690,600	625,400
e. Miscellaneous fines	228,891	490,991	457,869
g. E.P.I.	6,200		13,100
h. Interest from bank deposits	5,450	12,996	126,410
i. Sale/auction of used goods			
j. Staff recruitment			
k. V.G.F. transport expenses			
l. Jequirity money from markets/apartments	3,814,000	18,413,907	34,751,390
n. Earning from library			
o. Earning from hawkers market			
p. Miscellaneous	10,000	52,941	67,542
Subtotal	5,744,688	20,401,331	37,033,851
6. Government funds without development aid			
a. Grants against the city tax			
b. Grant for staff salary	5,250,000	206,800	237,000
Subtotal	5,250,000	206,800	237,000
7. 50% of the UGIP staff salary	65,000	65,000	65,000
Subtotal	65,000	65,000	65,000
Grand Total	32,448,304	52,094,817	58,342,247

Source: Based on responses to ICGP Team questionnaire

2) Issues in Rent/Lease

Major CC businesses, such as leasing the bus station and market/bazaar, already occurs in RpCC, thus there are still opportunities to expand operating businesses for the CC (such as opening a new bus station).

8.2.4 Financial Planning for the City Corporation

(1) Principle

City corporations including RpCC should have financial autonomy. As a guiding principle, decentralization of government functions has to be accompanied by fiscal devolution as well as

capacity building at the local government level to enable them to raise revenue on their own. The extent of autonomy depends on the ability of local bodies to independently raise revenues and allocate resources for expenditure.

RpCC, as a service provider, has to bear a portion (possibly all) of the initial cost and, at the very least, all the O&M costs related to public services. City corporations, including RpCC, are responsible for establishing the socio-economic infrastructure and providing public services. The relevant cost should be covered by the CCs' own sources to ensure financial sustainability in not only the CCs, but also for the central government.

To achieve public service cost recovery in sectors such as water supply and waste management, it is important to introduce a “financially independent accounting system”. Namely, O&M costs (and part of the initial costs) for water supply should be covered by water rates and tariffs, without other sources or subsidies. For waste management, revenues/expenditures should be independent from other sources. Furthermore, the relevant cost (at least the O&M costs and part of the initial costs) should be covered by the conservancy rate alone.

Increasing revenues from its own sources is essential for the RpCC to achieve a self-sustainable financial system. RpCC should maximize revenues from its own sources through appropriate revenue management. In addition, the share of revenues from the central government and donors should be decreased gradually.

(2) Own Sources

It is essential that RpCC increase income from its own sources. The CC's own sources of income include taxes, fees/charges levied by the CC, rents/profits from CC's properties, and revenues received for its services.

i) Holding Tax

The holding tax is the most important source of income for CCs as decentralized bodies. To maximize earnings from the holding tax, the RpCC should:

- Reassess the number of holdings in the entire territory of CC
- Re-evaluate all holdings which are already registered

ii) Other Source of Tax

To maximize earnings from other tax sources, RpCC should:

Identify new tax sources that CCs can impose (i.e., clinics, lawyers, and the tobacco industry) thru the taxation and tax collection standing committee.

iii) Earnings from Business Operated by CCs

RpCC should:

- Explore the diversification of businesses operated by CCs to increase earnings thru the taxation and tax realization standing committee.

(3) Finance from the Central Government and Donors

As shown in sections above, in principle, the share of finance from the central government and donors should be gradually reduced. In the short- and mid-term, finance from the central government and donors is necessary.

To meet the financial requirements of the RpCC infrastructure development plan in RpCC, RpCC might be required to continue discussions with other donors besides JICA.

In the case of donor projects, RpCC's own sources should be allocated to cover a certain part of the initial cost.

PART 3

JICA Loan Projects

Chapter 9 JICA Loan Projects

9.1 Selection of JICA Loan Projects

RpCC has selected subprojects to be funded JICA out of the inclusive list. Then ICGP Team selected prioritized JICA subprojects using the method detailed in Section 6.2 of Volume 1 General Edition. The selection results are summarized in this section. Table 9-1 shows the List of JICA subprojects (JICA Project List) selected from the inclusive list.

Table 9-1: JICA Project List from RpCC

No.	Sector	Subproject Name	Cost (in Crore BDT)*
1	Transport	Improvement of RpCC roads from the Cantonment Checkpost to R.K Road near Tajhat over the Shyama Sundari Canal	150.0 0
2	Transport	Construction of road by (ISG,AS,WBM & BC) Bituminous Carpeting (Ward 01–06)	27.89
3	Transport	Construction of road by (ISG,AS,WBM & BC) Bituminous Carpeting (Ward 06–09)	25.96
4	Transport	Construction of road by (ISG,AS,WBM & BC) Bituminous Carpeting (Ward 10–15)	25.62
5	Transport	Construction of road by (ISG,AS,WBM & BC) Bituminous Carpeting (Ward 14–15, 31–33)	27.82
6	Drain	Construction of roadside RpCC surface drain (Ward 14–20)	25.43
7	Drain / Road	Construction of roadside RpCC surface drain (Ward 20–24, 28)	33.75
8	Drain / Road	Construction of roadside RpCC surface drain (Ward 25–30)	30.12
9	Drain	Re-excavation of existing drainage (Ward 02, 05, 06, 33)	29.00
10	Municipal Facilities	Extension of street lights (100 km)	30.00
11	SWM	Development of solid waste management	18.80
12	WSS	Installation of water supply system in different wards	14.00
13	Municipal Facilities	Construction of a bus terminal	19.00
14	Municipal Facilities	Construction of a truck terminal	8.00
15	Sanitation	Construction of public toilets in different ward	4.50
16	Sanitation	Construction of slaughter houses	3.00
17	Municipal Facilities	Construction of a tourism park to develop Chickly Lake	100.0 0
18	Municipal Facilities	Construction of a community center	25.00
19	Municipal Facilities	Construction of three supermarkets	44.00
20	Transport	Construction of three bridges over the Ghaghot River	42.00
21	Transport	Bridge reconstruction over the Khoksha Ghaghot River at Mirgonj Road	8.00
22	Transport	Construction of a bridge over the K.D Canal at Angur Mia	3.00
23	Transport	Construction of a box culvert in different wards	7.00
24	Transport	Construction of road by (ISG,AS,WBM & BC) Bituminous Carpeting (Ward 01–03)	32.36
25	Transport	Construction of road by (ISG,AS,WBM & BC) Bituminous Carpeting (Ward 04–07)	39.84
26	Transport	Construction of road by (ISG,AS,WBM & BC) bituminous Carpeting (Ward 08–10)	43.38
27	Transport	Construction of road by (ISG,AS,WBM & BC) Bituminous Carpeting (Ward 02, 11–12)	31.50
28	Transport	Construction of road by (ISG,AS,WBM & BC) Bituminous Carpeting (Ward 13–15)	21.49

No.	Sector	Subproject Name	Cost (in Crore BDT)*
29	Transport	Construction of road by (ISG,AS,WBM & BC) Bituminous Carpeting (Ward 16–19)	27.84
30	Transport	Construction of road by (ISG,AS,WBM & BC) Bituminous Carpeting (Ward 20–23)	22.91
31	Transport	Construction of road by (ISG,AS,WBM & BC) Bituminous Carpeting (Ward 24–27, 29, 30)	16.31
32	Transport	Construction of road by (ISG,AS,WBM & BC) Bituminous Carpeting (Ward 28–30)	26.24
33	Transport	Construction of road by (ISG,AS,WBM & BC) Bituminous Carpeting (Ward 31)	24.75
34	Transport	Construction of road with (ISG,AS,WBM & BC) Bituminous Carpeting (Ward 32–33)	18.86
35	Drain	Construction of roadside RpCC surface drain (Ward 05–06)	28.75
36	Drain	Construction of roadside RpCC surface drain (Ward 07–10)	22.00
37	Drain	Construction of roadside RpCC surface drain (Ward 11–13, 15)	36.40
38	Drain	Construction of roadside RpCC surface drain (Ward 14–20)	36.03
39	Municipal Facilities	Construction of Nagor Bhaban	50.00
40	Municipal Facilities	Construction of a ward office	52.00
41	Municipal Facilities	Construction of the Poura Auditorium	10.00
42	Municipal Facilities	Construction of five kitchen markets	14.42
43	Transport	Construction of four bridges	13.60
44	Transport	Construction of 20 culverts	6.00
45	Transport	Construction of pedestrian overpasses	19.80
46	Drain	Construction of roadside RpCC surface drain (Ward 20–22)	21.15
47	Drain	Construction of roadside RpCC surface drain (Ward 23–25)	13.65
48	Drain	Construction of roadside RpCC surface drain (Ward 26–30)	23.75
49	Drain	Rehabilitation and slope protection of the KD Canal	20.00
50	Drain	Construction of roadside RpCC surface drain (Ward 31–32)	17.95
51	Drain	Construction of roadside RpCC surface drain (Ward 1–4)	21.90
52	WSS	New installation of water supply system	19.50
53	Municipal Facilities	Construction of a children's park	10.00
54	Municipal Facilities	Extension of street lights (300 km)	90.00
55	Municipal Facilities	Renovation of street lights	9.00
56	Transport	Construction of three bridge over the Ghaghot River (Ward 01, 11, 12)	42.00
57	Transport	Construction of three bridge over the Ghaghot River (Ward 33)	42.00
58	Transport	Improvement of roads from Benughat to Ward 2 Pucca Road	6.30
59	–	–	–
60	Transport	Construction of road with Bituminous Carpeting (Ward 10–11)	2.40

WSS: Water Supply System, SWM: Solid Waste Management, Crore: ten million (cost is estimated by the CC).

Source: RpCC

The cost of each subproject has been estimated by RpCC engineers. Costs exclude physical contingency, price escalation, administration cost, etc.

9.2 Selection Results

According to the methodology defined in Section 6.2 of Volume 1 GENERAL EDITION, the ICGP Team examined the JICA project list presented in Section 9.1.

9.2.1 Stage 1: Eligibility Check for JICA Project

(1) Reorganization of the Subprojects

Before the examination of projects, ICGP (Prep) Team reorganized the projects. The results are as follows.

Separation of Subproject No. 21 and Consolidation with Subproject No. 20

These two subprojects involve the construction and rehabilitation of bridges crossing different rivers/canals. Subprojects are reorganized into three categories according to the targeted rivers/canals.

Separation of Subproject No. 42

This subproject is composed of a specified bridge and a number of culverts in various wards. Due to the difference in work type, this subproject is divided into bridge subproject and culvert subproject. This reorganization is summarized as shown in the table below (with a revised project numbering).

Table 9-2: Reorganized Subproject Number and Cost

Original No.	New No.	Sector	Project Name	New Cost (Crore BDT)
20	20	Transport	Construction of three bridges over the Ghaghot River	42.00
			Re-construction of a bridge over the Khoksha Ghaghot River at Mirgonj Road	8.00
21	21	Transport	Construction of a bridge over the K.D Canal at Angur Mia	3.00
	22	Transport	Construction of three bridges over the Ghaghot River	42.00
42	43	Transport	Construction of four bridges	13.60
	44	Transport	Construction of 20 culverts	6.00

Source: ICGP Team

(2) Appropriateness as a JICA ODA Project

Based on the criteria for Stage 1, the ICGP Team examined the subprojects in terms of suitability for a JICA ODA project. After consultation with the ICGP Team, RpCC submitted a revised list aligning with the Stage 1 criteria.

9.2.2 Stage 2: Prioritization

(1) Evaluation by Criteria

Based on the criteria for Stage 1, ICGP Team evaluated the subprojects which passed the Stage 1 screening. The original criteria for RpCC in this screening stage are as follows:

Sector-Level Priority

Referring to RpCC discussions in PIUCC, the ICGP Team defined the following sector-level priority for RpCC:

- High: Transportation, Drainage, Street Lighting
- Middle: Truck Terminal, Sanitation, Solid Waste Management, Market, Office Building
- Low: Others

Area-Level Priority

As a result of discussions with RpCC engineers, the ICGP Team established the following criteria for area-level priorities. The engineers explained that high priority was given to the central CC area which houses more than half of the population, and where additional infrastructure is desired. Middle priority is given to the surrounding wards of the center where population size follows that of the central area.

- High: Wards 16–30
- Middle: Wards 3, 4, 5, 9, 13 and 15
- Low: Other wards

Economic Effect

According to RpCC, Wards No. 1, 2 and 16 are expected to become industrial centers for industries such as tobacco manufacturing and cold storage. Hence, subprojects benefitting from access to these wards and respective business are given higher scores in the evaluation.

Following the prioritization method mentioned in Section 6.2 (2) of Volume 1, the ICGP Team evaluated the subprojects, whose scores are presented in the following table.

Table 9-3: Priority Evaluation Results

No	Sector	Project Name	Estimated Beneficiary	Basic Human Needs	Operational Year	Social Considerations	Environmental Considerations	Social and Environmental Positive Impact	Sector Priority	Area Priority	CC Functional Enhancement	Operational Sustainability	Economic Effect	Total Score	Cost
			0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-110
29	Transport	Construction of road by (ISG,AS,WBM & BC) Bituminous Carpeting (Ward 16-19)	5	5	10	10	5	5	10	10	0	5	10	75	27.84
6	Drain	Construction of road side RpCC surface drain (Ward 14-20)	5	5	10	5	5	10	10	10	0	5	5	70	25.43
30	Transport	Construction of road by (ISG,AS,WBM & BC) Bituminous Carpeting (Ward 20-23)	5	5	10	10	5	5	10	10	0	5	5	70	22.91
31	Transport	Construction of road by (ISG,AS,WBM & BC) Bituminous Carpeting (Ward 24-27, 29, 30)	5	5	10	10	5	5	10	10	0	5	5	70	16.31
32	Transport	Construction of road by (ISG,AS,WBM & BC) Bituminous Carpeting (Ward 28-30)	5	5	10	10	5	5	10	10	0	5	5	70	26.24
38	Drain	Construction of road side RpCC surface drain (Ward 14-20)	5	5	10	5	5	10	10	10	0	5	5	70	36.03
1	Transport	Improvement of RpCC road from Cantonment Check poat to R.K road near Tajhat over Shyama Sundari Canal	5	5	10	5	5	5	10	10	5	0	5	65	150.00
2	Transport	Construction of road by (ISG,AS,WBM & BC) Bituminous Carpeting (Ward 01-06)	5	5	10	5	5	5	10	5	0	5	10	65	27.89
7	Drain Road	Construction of road side RpCC surface drain (Ward 20-24, 28)	5	5	10	5	5	10	10	10	0	5	0	65	33.75
8	Drain Road	Construction of road side RpCC surface drain (Ward 25-30)	5	5	10	5	5	10	10	10	0	5	0	65	30.12
11	SWM	Development of solid waste management	10	10	5	5	0	10	5	10	5	5	0	65	18.80

No	Sector	Project Name	Estimated Beneficiary	Basic Human Needs	Operational Year	Social Considerations	Environmental Considerations	Social and Environmental Positive Impact	Sector Priority	Area Priority	CC Functional Enhancement	Operational Sustainability	Economic Effect	Total Score	Cost
			0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-110
12	WSS	Installation of water supply system in different ward	10	10	10	5	0	5	5	10	5	5	0	65	14.00
13	Municipal Facilities	Construction of bus terminal	5	0	10	5	5	5	5	10	5	5	10	65	19.00
14	Municipal Facilities	Construction of truck terminal	5	0	10	5	5	5	5	10	5	5	10	65	8.00
21	Transport	Re-construction of Bridge over Khoksha Ghaghot river at Mirgonj road	5	5	10	5	5	5	10	10	0	5	5	65	8.00
22	Transport	Construction of Bridge over K.D canal at Angur Mia	5	5	10	5	5	5	10	10	0	5	5	65	3.00
24	Transport	Construction of road by (ISG,AS,WBM & BC) Bituminous Carpeting (Ward 01-03)	5	5	10	5	5	5	10	5	0	5	10	65	32.36
46	Drain	Construction of road side RpCC surface drain (Ward 20-22)	5	5	10	5	5	10	10	10	0	5	0	65	21.15
47	Drain	Construction of road side RpCC surface drain (Ward 23-25)	5	5	10	5	5	10	10	10	0	5	0	65	13.65
48	Drain	Construction of road side RpCC surface drain (Ward 26-30)	5	5	10	5	5	10	10	10	0	5	0	65	23.75
52	WSS	New installation of water supply system	10	10	10	5	5	5	5	10	0	5	0	65	19.50
55	Municipal Facilities	Renovation work of Street Lighting	5	5	10	10	5	10	10	5	0	5	0	65	9.00
58	Transport	Improvement of Road from Benughat to 2 no Ward Pucca Road	5	5	10	5	5	5	10	5	0	5	10	65	6.30
60	Transport	Construction of Road by Bituminous Carpeting (Ward 10-11)	10	5	10	5	5	5	10	0	0	5	10	65	2.40

No	Sector	Project Name	Estimated Beneficiary	Basic Human Needs	Operational Year	Social Considerations	Environmental Considerations	Social and Environmental Positive Impact	Sector Priority	Area Priority	CC Functional Enhancement	Operational Sustainability	Economic Effect	Total Score	Cost
			0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10
3	Transport	Construction of road by (ISG,AS,WBM & BC) Bituminous Carpeting (Ward 06-09)	5	5	10	5	5	5	10	5	0	5	5	60	25.96
4	Transport	Construction of road by (ISG,AS,WBM & BC) Bituminous Carpeting (Ward 10-15)	5	5	10	5	5	5	10	5	0	5	5	60	25.62
5	Transport	Construction of road by (ISG,AS,WBM & BC) Bituminous Carpeting (Ward 14-15, 31-33)	5	5	10	5	5	5	10	5	0	5	5	60	27.82
19	Municipal Facilities	Construction of Super Market (3 #)	5	0	10	5	5	5	0	10	5	5	10	60	44.00
23	Transport	Construction of Box Culvert In different wards	5	5	10	5	5	5	10	5	0	5	5	60	7.00
25	Transport	Construction of road by (ISG,AS,WBM & BC) Bituminous Carpeting (Ward 04-07)	5	5	10	5	5	5	10	5	0	5	5	60	39.84
26	Transport	Construction of road by (ISG,AS,WBM & BC) Bituminous Carpeting (Ward 08-10)	5	5	10	5	5	5	10	5	0	5	5	60	43.38
28	Transport	Construction of road by (ISG,AS,WBM & BC) Bituminous Carpeting (Ward 13-15)	5	5	10	5	5	5	10	5	0	5	5	60	21.49
35	Drain	Construction of road side RpCC surface drain (Ward 05-06)	5	5	10	5	5	10	10	5	0	5	0	60	28.75
36	Drain	Construction of road side RpCC surface drain (Ward 07-10)	5	5	10	5	5	10	10	5	0	5	0	60	22.00
37	Drain	Construction of road side RpCC surface drain (Ward 11-13, 15)	5	5	10	5	5	10	10	5	0	5	0	60	36.40
42	Municipal Facilities	Construction of Kitchen Markets (5 #)	5	0	10	5	5	5	0	10	5	5	10	60	14.42
45	Transport	Construction of Foot Over Bridges	5	5	10	5	5	5	10	10	0	5	0	60	19.80

No	Sector	Project Name	Estimated Beneficiary	Basic Human Needs	Operational Year	Social Considerations	Environmental Considerations	Social and Environmental Positive Impact	Sector Priority	Area Priority	CC Functional Enhancement	Operational Sustainability	Economic Effect	Total Score	Cost
			0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-110
49	Drain	Rehabilitation& Slope Protection of KD Canal	5	5	5	5	5	10	10	10	0	5	0	60	20.00
10	Municipal Facilities	Extension of Street Light (100 km)	5	5	10	5	0	10	10	5	0	5	0	55	30.00
15	Sanitation	Construction of public toilet in different ward	0	10	10	5	5	10	5	5	0	5	0	55	4.50
17	Municipal Facilities	Construction of Tourism park developing chickly lake	5	0	10	10	5	10	0	10	0	0	5	55	100.00
27	Transport	Construction of road by (ISG,AS,WBM & BC) Bituminous Carpeting (Ward 02, 11-12)	0	5	10	5	5	5	10	0	0	5	10	55	31.50
44	Transport	Construction of 20 Culverts	5	5	10	5	5	5	10	5	0	5	0	55	6.00
51	Drain	Construction of road side RpCC surface drain (Ward 1-4)	0	5	10	5	5	10	10	0	0	5	5	55	21.90
54	Municipal Facilities	Extension of Street Light (300 km)	5	5	10	5	0	10	10	5	0	5	0	55	90.00
56	Transport	Construction of 3 Bridge over Ghaghot river (Ward 01, 11, 12)	0	5	10	5	5	5	10	0	0	5	10	55	42.00
9	Drain	Re-excavation of existing drainage (Ward 02, 05, 06, 33)	0	5	5	5	5	10	10	0	0	5	5	50	29.00
16	Sanitation	Construction of slaughter house	0	10	10	5	5	10	5	0	0	5	0	50	3.00
20	Transport	Construction of Bridge over Ghaghot river (3 #)	0	5	10	5	5	5	10	0	0	5	5	50	42.00
33	Transport	Construction of road by (ISG,AS,WBM & BC) Bituminous Carpeting (Ward 31)	0	5	10	5	5	5	10	0	0	5	5	50	24.75
34	Transport	Construction of road by (ISG,AS,WBM & BC) Bituminous Carpeting (Ward 32- 33)	0	5	10	5	5	5	10	0	0	5	5	50	18.86

No	Sector	Project Name	Estimated Beneficiary	Basic Human Needs	Operational Year	Social Considerations	Environmental Considerations	Social and Environmental Positive Impact	Sector Priority	Area Priority	CC Functional Enhancement	Operational Sustainability	Economic Effect	Total Score	Cost
			0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-110
43	Transport	Construction of 4 Bridges	0	5	10	5	5	5	10	0	0	5	5	50	13.60
50	Drain	Construction of road side RpCC surface drain (Ward 31-32)	0	5	10	5	5	10	10	0	0	5	0	50	17.95
57	Transport	Construction of 3 Bridge over Ghaghot river (Ward 33)	0	5	10	5	5	5	10	0	0	5	5	50	42.00
39	Municipal Facilities	Construction of Nagor Bhaban	5	0	10	10	5	0	0	10	0	5	0	45	50.00
18	Municipal Facilities	Construction of Community Center	0	0	10	10	5	0	0	10	0	5	0	40	25.00
40	Municipal Facilities	Construction of Ward Office	5	0	10	10	5	0	0	5	0	5	0	40	52.00
41	Municipal Facilities	Construction of Pura Auditorium	0	0	10	10	5	0	0	10	0	5	0	40	10.00
53	Municipal Facilities	Construction of Children Park	0	0	10	10	5	0	0	10	0	5	0	40	10.00

Note: Cost is estimation by the CC.

Source: ICGP Team

Table 9-4: Preliminary Review on Environmental and Social Consideration

No	Sector	Project Name	Environmental Consideration			Social Consideration						JICA Sector (Reference)
			Category in GOB	Required Document	Budgets & Capacity of EA	Land Acquisition	PAP ⁶ s with No.	Required document by donor for involuntary resettlement	PAPs under Construction with No.	Description of Adverse Impacts	Budgets & Capacity of EA	
			Green/ Orange A/ Orange B/ Red	NOC/ IEE& EMP/ NOC, EIA& EMP	Secured or not	Yes (area) or not	Yes (No.) or not	RAP/ ARAP/ RAP-PF/ IPP	Yes (No.) or not	(i.e., loss of jobs, loss of income) and measures	Secured or not	
1	Transport	Improvement of RpCC road from Cantonment Check post to R.K road near Tajhat over Shyama Sundari Canal	Orange - B	IEE	No (*1)	No	No legal PAPs	Currently No (*3)	Currently No (*4)	Currently No (*5)	No budget (*6)	Road
2	Transport	Construction of road by (ISG,AS,WBM & BC) Bituminous Carpeting (Ward 01-06)	Orange - B	IEE	No (*1)	No	No legal PAPs	Currently No (*3)	Currently No (*4)	Currently No (*5)	No budget (*6)	Road
3	Transport	Construction of road by (ISG,AS,WBM & BC) Bituminous Carpeting (Ward 06-09)	Orange - B	IEE	No (*1)	No	No legal PAPs	Currently No (*3)	Currently No (*4)	Currently No (*5)	No budget (*6)	Road
4	Transport	Construction of road by (ISG,AS,WBM & BC) Bituminous Carpeting (Ward 10-15)	Orange - B	IEE	No (*1)	No	No legal PAPs	Currently No (*3)	Currently No (*4)	Currently No (*5)	No budget (*6)	Road
5	Transport	Construction of road by (ISG,AS,WBM & BC) Bituminous Carpeting (Ward 14-15, 31-33)	Orange - B	IEE	No (*1)	No	No legal PAPs	Currently No (*3)	Currently No (*4)	Currently No (*5)	No budget (*6)	Road
6	Drain	Construction of road side RpCC surface drain (Ward 14-20)	Orange - A	NOC		No	No legal PAPs	Currently No (*3)	Currently No (*4)	Currently No (*5)	No budget (*6)	Waste Management

⁶ PAP: Project Affected Person

No	Sector	Project Name	Environmental Consideration			Social Consideration						JICA Sector (Reference)
			Category in GOB	Required Document	Budgets & Capacity of EA	Land Acquisition	PAP's with No.	Required document by donor for involuntary resettlement	PAPs under Construction with No.	Description of Adverse Impacts	Budgets & Capacity of EA	
			Green/ Orange A/ Orange B/ Red	NOC/ NOC, IEE& EMP/ NOC, EIA& EMP	Secured or not	Yes (area) or not	Yes (No.) or not	RAP/ ARAP/ RAP-PF/ IPP	Yes (No.) or not	(i.e., loss of jobs, loss of income) and measures	Secured or not	
7	Drain Road	Construction of road side RpCC surface drain (Ward 20–24, 28)	Orange - B	IEE	No (*1)	No	No legal PAPs	Currently No (*3)	Currently No (*4)	Currently No (*5)	No budget (*6)	Waste Management
8	Drain Road	Construction of road side RpCC surface drain (Ward 25–30)	Orange - B	IEE	No (*1)	No	No legal PAPs	Currently No (*3)	Currently No (*4)	Currently No (*5)	No budget (*6)	Waste Management
9	Drain	Re-excavation of existing drainage (Ward 02, 05, 06, 33)	Orange - A	NOC		No	No legal PAPs	Currently No (*3)	Currently No (*4)	Currently No (*5)	No budget (*6)	Waste Management
10	Municipal Facilities	Extension of Street Light (100 km)	Red (Only for power cable extension)	EIA	EIA must be done by PDB	No	No legal PAPs	Currently No (*3)	Currently No (*4)	Currently No (*5)	No budget (*6)	Others
11	SWM	Development of solid waste management	Red	EIA	No (*2)	No	No legal PAPs	Currently No (*3)	Currently No (*4)	Currently No (*5)	No budget (*6)	Waste Management
12	WSS	Installation of water supply system in different ward	Red (Only for installation of pipe line)	EIA	No (*2)	No	No legal PAPs	Currently No (*3)	Currently No (*4)	Currently No (*5)	No budget (*6)	Water Supply
13	Municipal Facilities	Construction of bus terminal	Orange - A	NOC		No	No legal PAPs	Currently No (*3)	Currently No (*4)	Currently No (*5)	No budget (*6)	Others
14	Municipal Facilities	Construction of truck terminal	Orange - A	NOC		No	No legal PAPs	Currently No (*3)	Currently No (*4)	Currently No (*5)	No budget (*6)	Others

No	Sector	Project Name	Environmental Consideration			Social Consideration						JICA Sector (Reference)
			Category in GOB	Required Document	Budgets & Capacity of EA	Land Acquisition	PAP's with No.	Required document by donor for involuntary resettlement	PAPs under Construction with No.	Description of Adverse Impacts	Budgets & Capacity of EA	
			Green/ Orange A/ Orange B/ Red	NOC/ NOC, IEE& EMP/ NOC, EIA& EMP	Secured or not	Yes (area) or not	Yes (No.) or not	RAP/ ARAP/ RAP-PF/ IPP	Yes (No.) or not	(i.e., loss of jobs, loss of income) and measures	Secured or not	
15	Sanitation	Construction of public toilet in different wards	Orange - A	NOC		No	No legal PAPs	Currently No (*3)	Currently No (*4)	Currently No (*5)	No budget (*6)	Others
16	Sanitation	Construction of slaughter house	Orange - A	NOC		No	No legal PAPs	Currently No (*3)	Currently No (*4)	Currently No (*5)	No budget (*6)	Others
17	Municipal Facilities	Construction of Tourism park developing chickly lake	Orange - A	NOC		No	No legal PAPs	Currently No (*3)	Currently No (*4)	Currently No (*5)	No budget (*6)	Others
18	Municipal Facilities	Construction of Community Center	Orange - A	NOC		No	No legal PAPs	Currently No (*3)	Currently No (*4)	Currently No (*5)	No budget (*6)	Others
19	Municipal Facilities	Construction of Super Market (3 #)	Orange - A	NOC		No	No legal PAPs	Currently No (*3)	Currently No (*4)	Currently No (*5)	No budget (*6)	Others
20	Transport	Construction of Bridge over Ghaghot river (3 #)	Orange - B	IEE	No (*1)	No	No legal PAPs	Currently No (*3)	Currently No (*4)	Currently No (*5)	No budget (*6)	Bridge
21	Transport	Re-construction of Bridge over Khoksha Ghaghot river at Mirgonj road	Orange - B	IEE	No (*1)	No	No legal PAPs	Currently No (*3)	Currently No (*4)	Currently No (*5)	No budget (*6)	Bridge
22	Transport	Construction of Bridge over K.D canal at Angur Mia	Orange - B	IEE	No (*1)	No	No legal PAPs	Currently No (*3)	Currently No (*4)	Currently No (*5)	No budget (*6)	Bridge
23	Transport	Construction of Box Culvert In different wards	Orange - B	IEE	No (*1)	No	No legal PAPs	Currently No (*3)	Currently No (*4)	Currently No (*5)	No budget (*6)	Bridge
24	Transport	Construction of road by (ISG,AS,WBM & BC) Bituminous Carpeting (Ward 01-03)	Orange - B	IEE	No (*1)	No	No legal PAPs	Currently No (*3)	Currently No (*4)	Currently No (*5)	No budget (*6)	Road
25	Transport	Construction of road by (ISG,AS,WBM & BC) Bituminous Carpeting (Ward 04-07)	Orange - B	IEE	No (*1)	No	No legal PAPs	Currently No (*3)	Currently No (*4)	Currently No (*5)	No budget (*6)	Road

No	Sector	Project Name	Environmental Consideration			Social Consideration						JICA Sector (Reference)
			Category in GOB	Required Document	Budgets & Capacity of EA	Land Acquisition	PAP's with No.	Required document by donor for involuntary resettlement	PAPs under Construction with No.	Description of Adverse Impacts	Budgets & Capacity of EA	
			Green/ Orange A/ Orange B/ Red	NOC/ NOC, IEE& EMP/ NOC, EIA& EMP	Secured or not	Yes (area) or not	Yes (No.) or not	RAP/ ARAP/ RAP-PF/ IPP	Yes (No.) or not	(i.e., loss of jobs, loss of income) and measures	Secured or not	
26	Transport	Construction of road by (ISG,AS,WBM & BC) Bituminous Carpeting (Ward 08–10)	Orange - B	IEE	No (*1)	No	No legal PAPs	Currently No (*3)	Currently No (*4)	Currently No (*5)	No budget (*6)	Road
27	Transport	Construction of road by (ISG,AS,WBM & BC) Bituminous Carpeting (Ward 02, 11–12)	Orange - B	IEE	No (*1)	No	No legal PAPs	Currently No (*3)	Currently No (*4)	Currently No (*5)	No budget (*6)	Road
28	Transport	Construction of road by (ISG,AS,WBM & BC) Bituminous Carpeting (Ward 13–15)	Orange - B	IEE	No (*1)	No	No legal PAPs	Currently No (*3)	Currently No (*4)	Currently No (*5)	No budget (*6)	Road
29	Transport	Construction of road by (ISG,AS,WBM & BC) Bituminous Carpeting (Ward 16–19)	Orange - B	IEE	No (*1)	No	No legal PAPs	Currently No (*3)	Currently No (*4)	Currently No (*5)	No budget (*6)	Road
30	Transport	Construction of road by (ISG,AS,WBM & BC) Bituminous Carpeting (Ward 20–23)	Orange - B	IEE	No (*1)	No	No legal PAPs	Currently No (*3)	Currently No (*4)	Currently No (*5)	No budget (*6)	Road
31	Transport	Construction of road by (ISG,AS,WBM & BC) Bituminous Carpeting (Ward 24–27, 29, 30)	Orange - B	IEE	No (*1)	No	No legal PAPs	Currently No (*3)	Currently No (*4)	Currently No (*5)	No budget (*6)	Road
32	Transport	Construction of road by (ISG,AS,WBM & BC) Bituminous Carpeting (Ward 28–30)	Orange - B	IEE	No (*1)	No	No legal PAPs	Currently No (*3)	Currently No (*4)	Currently No (*5)	No budget (*6)	Road
33	Transport	Construction of road by (ISG,AS,WBM & BC) Bituminous Carpeting (Ward 31)	Orange - B	IEE	No (*1)	No	No legal PAPs	Currently No (*3)	Currently No (*4)	Currently No (*5)	No budget (*6)	Road

No	Sector	Project Name	Environmental Consideration			Social Consideration						JICA Sector (Reference)
			Category in GOB	Required Document	Budgets & Capacity of EA	Land Acquisition	PAP's with No.	Required document by donor for involuntary resettlement	PAPs under Construction with No.	Description of Adverse Impacts	Budgets & Capacity of EA	
			Green/ Orange A/ Orange B/ Red	NOC/ NOC, IEE& EMP/ NOC, EIA& EMP	Secured or not	Yes (area) or not	Yes (No.) or not	RAP/ ARAP/ RAP-PF/ IPP	Yes (No.) or not	(i.e., loss of jobs, loss of income) and measures	Secured or not	
34	Transport	Construction of road by (ISG,AS,WBM & BC) Bituminous Carpeting (Ward 32- 33)	Orange - B	IEE	No (*1)	No	No legal PAPs	Currently No (*3)	Currently No (*4)	Currently No (*5)	No budget (*6)	Road
35	Drain	Construction of road side RpCC surface drain (Ward 05-06)	Orange - A	NOC		No	No legal PAPs	Currently No (*3)	Currently No (*4)	Currently No (*5)	No budget (*6)	Waste Management
36	Drain	Construction of road side RpCC surface drain (Ward 07-10)	Orange - A	NOC		No	No legal PAPs	Currently No (*3)	Currently No (*4)	Currently No (*5)	No budget (*6)	Waste Management
37	Drain	Construction of road side RpCC surface drain (Ward 11-13, 15)	Orange - A	NOC		No	No legal PAPs	Currently No (*3)	Currently No (*4)	Currently No (*5)	No budget (*6)	Waste Management
38	Drain	Construction of road side RpCC surface drain (Ward 14-20)	Orange - A	NOC		No	No legal PAPs	Currently No (*3)	Currently No (*4)	Currently No (*5)	No budget (*6)	Waste Management
39	Municipal Facilities	Construction of Nagor Bhaban	Orange - A	NOC		No	No legal PAPs	Currently No (*3)	Currently No (*4)	Currently No (*5)	No budget (*6)	Others
40	Municipal Facilities	Construction of Ward Office	Orange - A	NOC		No	No legal PAPs	Currently No (*3)	Currently No (*4)	Currently No (*5)	No budget (*6)	Others
41	Municipal Facilities	Construction of Pura Auditorium	Orange - A	NOC		No	No legal PAPs	Currently No (*3)	Currently No (*4)	Currently No (*5)	No budget (*6)	Others
42	Municipal Facilities	Construction of Kitchen Markets (5 #)	Orange - A	NOC		No	No legal PAPs	Currently No (*3)	Currently No (*4)	Currently No (*5)	No budget (*6)	Others
43	Transport	Construction of 4 Bridges	Orange - B	IEE	No (*1)	No	No legal PAPs	Currently No (*3)	Currently No (*4)	Currently No (*5)	No budget (*6)	Road

No	Sector	Project Name	Environmental Consideration			Social Consideration						JICA Sector (Reference)
			Category in GOB	Required Document	Budgets & Capacity of EA	Land Acquisition	PAP's with No.	Required document by donor for involuntary resettlement	PAPs under Construction with No.	Description of Adverse Impacts	Budgets & Capacity of EA	
			Green/ Orange A/ Orange B/ Red	NOC/ NOC, IEE& EMP/ NOC, EIA& EMP	Secured or not	Yes (area) or not	Yes (No.) or not	RAP/ ARAP/ RAP-PF/ IPP	Yes (No.) or not	(i.e., loss of jobs, loss of income) and measures	Secured or not	
44	Transport	Construction of 20 Culverts	Orange - B	IEE	No (*1)	No	No legal PAPs	Currently No (*3)	Currently No (*4)	Currently No (*5)	No budget (*6)	Road
45	Transport	Construction of Foot Over Bridges	Orange - B	IEE	No (*1)	No	No legal PAPs	Currently No (*3)	Currently No (*4)	Currently No (*5)	No budget (*6)	Road
46	Drain	Construction of road side RpCC surface drain (Ward 20–22)	Orange - A	NOC		No	No legal PAPs	Currently No (*3)	Currently No (*4)	Currently No (*5)	No budget (*6)	Waste Management
47	Drain	Construction of road side RpCC surface drain (Ward 23–25)	Orange - A	NOC		No	No legal PAPs	Currently No (*3)	Currently No (*4)	Currently No (*5)	No budget (*6)	Waste Management
48	Drain	Construction of road side RpCC surface drain (Ward 26–30)	Orange - A	NOC		No	No legal PAPs	Currently No (*3)	Currently No (*4)	Currently No (*5)	No budget (*6)	Waste Management
49	Drain	Rehabilitation& Slope Protection of KD Canal	Orange - A	NOC		No	No legal PAPs	Currently No (*3)	Currently No (*4)	Currently No (*5)	No budget (*6)	Waste Management
50	Drain	Construction of road side RpCC surface drain (Ward 31–32)	Orange - A	NOC		No	No legal PAPs	Currently No (*3)	Currently No (*4)	Currently No (*5)	No budget (*6)	Waste Management
51	Drain	Construction of road side RpCC surface drain (Ward 1–4)	Orange - A	NOC		No	No legal PAPs	Currently No (*3)	Currently No (*4)	Currently No (*5)	No budget (*6)	Waste Management
52	WSS	New installation of water supply system	Orange - B	IEE	No (*1)	No	No legal PAPs	Currently No (*3)	Currently No (*4)	Currently No (*5)	No budget (*6)	Water Supply

No	Sector	Project Name	Environmental Consideration			Social Consideration						JICA Sector (Reference)
			Category in GOB	Required Document	Budgets & Capacity of EA	Land Acquisition	PAP's with No.	Required document by donor for involuntary resettlement	PAPs under Construction with No.	Description of Adverse Impacts	Budgets & Capacity of EA	
			Green/ Orange A/ Orange B/ Red	NOC/ NOC, IEE& EMP/ NOC, EIA& EMP	Secured or not	Yes (area) or not	Yes (No.) or not	RAP/ ARAP/ RAP-PF/ IPP	Yes (No.) or not	(i.e., loss of jobs, loss of income) and measures	Secured or not	
53	Municipal Facilities	Construction of Children Park	Orange - A	NOC		No	No legal PAPs	Currently No (*3)	Currently No (*4)	Currently No (*5)	No budget (*6)	Others
54	Municipal Facilities	Extension of Street Light (300 km)	Red (Only for power cable extension)	EIA	EIA must be done by PDB	No	No legal PAPs	Currently No (*3)	Currently No (*4)	Currently No (*5)	No budget (*6)	Others
55	Municipal Facilities	Renovation work of Street Lighting	Orange - A	NOC		No	No legal PAPs	Currently No (*3)	Currently No (*4)	Currently No (*5)	No budget (*6)	Others
56	Transport	Construction of 3 Bridge over Ghaghot river (Ward 01, 11, 12)	Orange - B	IEE	No (*1)	No	No legal PAPs	Currently No (*3)	Currently No (*4)	Currently No (*5)	No budget (*6)	Bridge
57	Transport	Construction of 3 Bridge over Ghaghot river (Ward 33)	Orange - B	IEE	No (*1)	No	No legal PAPs	Currently No (*3)	Currently No (*4)	Currently No (*5)	No budget (*6)	Bridge
58	Transport	Improvement of Road from Benughat to 2 no Ward Pucca Road	Orange - B	IEE	No (*1)	No	No legal PAPs	Currently No (*3)	Currently No (*4)	Currently No (*5)	No budget (*6)	Road

*1: Minimum 1 month for outsourcing, *2: Minimum 3 months for outsourcing, *3: Illegal PAPs and required documents can only be determined at the detail design phase, *4: PAPs can only be determined at the detail design phase, *5: can only be determined at the detail design phase, *6: CC staff can only supervise the contractor in case any documents were required

Source: ICGP Team

(2) Environmental and Social Consideration Appraisal of Subprojects

The experts of the ICGP Team provided an initial check form to assess environmental and social considerations (Table 7-3 of Volume 1, Chapter 7). The list was distributed and explained to all CCs and infrastructure WG by the ICGP Team in April 2013. An initial visit was then conducted next. Then ICGP (Prep) decides the subproject nomination.

According to the project list submitted by the RpCC in April 2013, the experts of the ICGP Team visited some sites along with RpCC engineers. The purpose of the visits was to observe the current conditions of nominated project sites in terms of environmental and social considerations.

ICGP Team then nominated the subprojects. Their environmental and social status are summarized in Table 9-4.

Based on environmental considerations, the water supply related projects are likely included in the Red Category requiring an EIA. However, EIA requirement is limited for pipe installation parts. Most subprojects categorized as Orange-B are road projects (except for a few bridge projects), which require IEE. The rest of the subprojects are categorized under Orange-A, which represent drain and municipal facility projects.

As for social considerations, none of the nominated project requires land acquisition or involuntary resettlement according to RpCC experts.

Table 9-4 does not mention PAPs. However, there are possibilities for PAPs which may go unidentified in the detailed project design phases as those under JICA Guidelines (for instance illegal squatters) and those during construction (including plans such as the Abbreviated Resettlement Action Plan (ARAP) and Resettlement Action Plan (RAP)).

ICGP Team prepared a Draft Resettlement Action Plan Policy Framework (DRAP-PF) to guide RpCC in preparing the ARAP and RAP in case these will be needed after the ICGP Team. The DRAP-PF is included in Annex G-5, Volume 1 of this report.

Although a JICA project requires submission of the aforementioned documents to identify potential adverse impacts, the compensation fund shall be borne by the Bangladesh side. It is advisable for RpCC to consult with LGED for the subproject appraisal process as LGED has knowledge of international donor funded project implementation in the past.

Currently, most of the nominated subprojects anticipate minimal social impact. However, a few projects require the consideration of social impacts such as drain, water supply, bridge, and new infrastructure construction categorized as municipal facilities. Subprojects will be refined in the detailed design phase to avoid adverse impacts in areas including the surrounding areas.

(3) Selected Subprojects and Budget Ceiling

Tables 9-5 and 9-6 summarize cumulative costs from high-scoring subprojects. If the total budget for this JICA ODA project were allocated evenly to four CCs, the estimated budget ceiling of each CC would be about 500 crore BDT. Considering this amount and the supplementary portion for the rolling plan, the ICGP Team selected subprojects which scored 55 or higher in the Stage 2 evaluation for further consideration.

Table 9-5: Priority and Cumulative Cost for Select Subprojects in Stage 2

Scoring Range	Cumulative Cost (Crore BDT)
70 and above	154.76
65 and above	595.43
60 and above	971.91
(Others)	(664.06)
Total	1,635.97

Source: ICGP Team

Table 9-6: Cost of Individual Selected Subprojects in Stage 2

No	Sector	Subproject Name	Cost (Crore BDT)
29	Transport	Construction of road by (ISG,AS,WBM & BC) Bituminous Carpeting (Wards 16–19)	27.84
6	Drain	Construction of roadside RpCC surface drain (Wards 14–20)	25.43
30	Transport	Construction of road by (ISG,AS,WBM & BC) Bituminous carpeting (Wards 20–23)	22.91
31	Transport	Construction of road by (ISG,AS,WBM & BC) Bituminous carpeting (Wards 24–27, 29, 30)	16.31
32	Transport	Construction of road by (ISG,AS,WBM & BC) Bituminous carpeting (Wards 28–30)	26.24
38	Drain	Construction of roadside RpCC surface drain (Wards 14–20)	36.03
1	Transport	Improvement of RpCC road from Cantonment Check post to R.K Road near Tajhat over Shyama Sundari Canal	150.00
2	Transport	Construction of road by (ISG,AS,WBM & BC) Bituminous Carpeting (Wards 01–06)	27.89
7	Drain Road	Construction of roadside RpCC surface drain (Wards 20–24, 28)	33.75
8	Drain Road	Construction of roadside RpCC surface drain (Wards 25–30)	30.12
11	SWM	Development of solid waste management	18.80
12	WSS	Installation of water supply system in different wards	14.00
13	Municipal Facilities	Construction of a bus terminal	19.00
14	Municipal Facilities	Construction of a truck terminal	8.00
21	Transport	Reconstruction of a bridge over the Khoksha Ghaghot River at Mirgonj Road	8.00
22	Transport	Construction of a bridge over the K.D Canal at Angur Mia	3.00
24	Transport	Construction of road by (ISG,AS,WBM & BC) Bituminous Carpeting (Wards 01–03)	32.36
46	Drain	Construction of roadside RpCC surface drain (Wards 20–22)	21.15
47	Drain	Construction of roadside RpCC surface drain (Wards 23–25)	13.65
48	Drain	Construction of roadside RpCC surface drain (Wards 26–30)	23.75
52	WSS	New installation of water supply system	19.50
55	Municipal Facilities	Renovation of street lighting	9.00
58	Transport	Improvement of road from Benughat to 2 Ward Pucca Roads	6.30
60	Transport	Construction of road with Bituminous Carpeting (Wards 10–11)	2.40
Total			595.43

Note: Cost is estimation by the CC.

Source: ICGP Team

9.2.3 Stage 3: Assessment of Readiness

(1) Summary of Selected Subprojects at Stage 2

The selected subprojects from Stage 2 are then assessed for readiness in Stage 3. The descriptions of the subprojects are as follows:

Subproject No. 1: Improvement of RpCC Road from Cantonment Check Post to R.K Road near Tajhat over Shyama Sundari Canal

- This subproject proposes to build an 8.0 km elevated road over the Shyama Sundari Canal, which runs across the city center.
- A traffic bypass is expected has been requested, but this idea has not been elaborated in the Master Plan, nor has any technical evaluation such as traffic surveys been conducted.
- Technical and financial feasibility of this subproject seems poor considering the existence of the alternative canal route, the expected environmental impact, and maintenance burden. Furthermore, the RpCC estimated cost may be under-estimated.

Subproject No. 6: Construction of roadside RpCC surface drain (Wards 14–20)

Subproject No. 7: Construction of roadside RpCC surface drain (Wards 20–24, 28)

Subproject No. 8: Construction of roadside RpCC surface drain (Wards 25–30)

Subproject No. 38: Construction of roadside RpCC surface drain (Wards 14–20)

Subproject No. 46: Construction of roadside RpCC surface drain (Wards 20–22)

Subproject No. 47: Construction of roadside RpCC surface drain (Wards 23–25)

Subproject No. 48: Construction of roadside RpCC surface drain (Wards 26–30)

- These subprojects are expected to reduce flooding in the central area.
- Design of these subprojects should be aligned with the drainage master plan being prepared.
- Implementation of overlapping sections of road subprojects should be done together for efficiency.

Subproject No. 2: Construction of road with (ISG,AS,WBM & BC) Bituminous Carpeting (Wards 1–6)

Subproject No. 24: Construction of road by (ISG,AS,WBM & BC) Bituminous Carpeting (Wards 1–3)

Subproject No. 29: Construction of road by (ISG,AS,WBM & BC) Bituminous Carpeting (Wards 16–19)

Subproject No. 30: Construction of road by (ISG,AS,WBM & BC) Bituminous Carpeting (Wards 20–23)

Subproject No. 31: Construction of road by (ISG,AS,WBM & BC) Bituminous Carpeting (Wards 24–27, 29, 30)

Subproject No. 32: Construction of road by (ISG,AS,WBM & BC) Bituminous Carpeting (Wards 28–30)

Subproject No. 58: Improvement of road from Benughat to 2 Ward Pucca Roads

- These subprojects are expected to reduce congestion in the central area.
- So far there are no traffic surveys in RpCC, although these are necessary in the short-term.

Subproject No. 11: Development of solid waste management

- Facilities will be newly constructed on land owned by the RpCC. Currently, the RpCC depends on a temporary landfill site.
- The RpCC would like to include a landfill site, compost plant, 3R plant, transfer stations, incinerator, and movable dustbins in this package.
- The RpCC would like to initiate a pilot project for 3R activities in selected wards.
- There is no basic or master plan.
- This subproject requires a plan for environmental mitigation.
- The planned area for the land fill site (12,650 m²) would not be subject to Category A of the JICA environmental standard.
- All urban citizens of RpCC will benefit.
- Collection will be prepared by CCs cooperating with the CBO.

Subproject No. 12: Installation of water supply systems in different wards

- This subproject includes the replacement of an old asbestos pipeline and construction of new tube wells in the central area of CC.
- The replacement of old asbestos pipeline will improve distribution efficiency and water quality.

Subproject No. 52: New installation of water supply system

- This subproject includes the new installation of a water supply system including an overhead tank, tube wells, and a pipeline in the former Rangpur PS area.

Subproject No. 13: Construction of a bus terminal

- This subproject proposes to improve the existing truck terminal along the main highway.
- Traffic flow in the city will be enhanced. A well-designed layout and functional plan is needed for efficient passenger and vehicle movements.

Subproject No. 14: Construction of a truck terminal

- This subproject proposes to improve the existing truck terminal along the main highway.
- Traffic flow in the city will be enhanced. A well-designed layout and functional plan is needed for efficient logistics.

Subproject No. 21: Reconstruction of a bridge over the Khoksha Ghaghot River at Mirgonj Road

Subproject No. 22: Construction of a bridge over the K.D Canal at Angur Mia

- These subprojects propose the rehabilitation/reconstruction of existing bridges that have been seriously damaged.
- These bridges are along main routes connecting the city center and suburban areas.

Subproject No. 55: Renovation of street lighting

- This subproject proposes to replace existing street lights with energy efficient ones without any new cable extensions.
- Residents in these areas will benefit.
- Street lights can contribute to reductions in crime and accidents.

(2) Stage 3 Evaluation

The following table summarizes the assessment of readiness for each subproject.

Table 9-7: Readiness Assessment Results

No	Sector	Project Name	Total Score 0-110	Cost Crore BDT	Maturity				Emergency		
					Land Acquisition	Necessity of Studies	Social and Environmental Procedures	O&M Structure	Quick Impact	Quick Recovery	Influence to Other Sub-projects
					Yes (✓)	Yes (✓)	Yes (✓)	Yes (✓)	Yes (✓)	Yes (✓)	Yes (✓)
29	Transport	Construction of road by (ISG,AS,WBM & BC) Bituminous Carpeting (Ward 16-19)	75	27.84			✓				
6	Drain	Construction of road side RpCC surface drain (Ward 14-20)	70	25.43							
30	Transport	Construction of road by (ISG,AS,WBM & BC) Bituminous Carpeting (Ward 20-23)	70	22.91				✓			
31	Transport	Construction of road by (ISG,AS,WBM & BC) Bituminous Carpeting (Ward 24-27, 29, 30)	70	16.31				✓			
32	Transport	Construction of road by (ISG,AS,WBM & BC) Bituminous Carpeting (Ward 28-30)	70	26.24				✓			
38	Drain	Construction of road side RpCC surface drain (Ward 14-20)	70	36.03							
1	Transport	Improvement of RpCC road from Cantonment Check post to R.K road near Tajhat over Shyama Sundari Canal	65	150.00		✓	✓				
2	Transport	Construction of road by (ISG,AS,WBM & BC) Bituminous Carpeting (Ward 01-06)	65	27.89			✓				
7	Drain Road	Construction of road side RpCC surface drain (Ward 20-24, 28)	65	33.75							
8	Drain Road	Construction of road side RpCC surface drain (Ward 25-30)	65	30.12							
11	SWM	Development of solid waste management	65	18.80			✓	✓	✓		
12	WSS	Installation of water supply system in different ward	65	14.00			✓	✓	✓		
13	Municipal Facilities	Construction of bus terminal	65	19.00			✓				
14	Municipal Facilities	Construction of truck terminal	65	8.00			✓				
21	Transport	Re-construction of Bridge over Khoksha Ghaghot river at Mirgonj road	65	8.00						✓	

No	Sector	Project Name	Total Score 0–110	Cost Core BDT	Maturity				Emergency		
					Land Acquisition	Necessity of Studies	Social and Environmental Procedures	O&M Structure	Quick Impact	Quick Recovery	Influence to Other Sub-projects
					Yes (✓)	Yes (✓)	Yes (✓)	Yes (✓)	Yes (✓)	Yes (✓)	Yes (✓)
22	Transport	Construction of Bridge over K.D canal at Angur Mia	65	3.00						✓	
24	Transport	Construction of road by (ISG,AS,WBM & BC) Bituminous Carpeting (Ward 01–03)	65	32.36				✓			
46	Drain	Construction of road side RpCC surface drain (Ward 20–22)	65	21.15							
47	Drain	Construction of road side RpCC surface drain (Ward 23–25)	65	13.65							
48	Drain	Construction of road side RpCC surface drain (Ward 26–30)	65	23.75							
52	WSS	New installation of water supply system	65	19.50			✓	✓	✓		
55	Municipal Facilities	Renovation work of Street Lighting	70	9.00						✓	
58	Transport	Improvement of Road from Benughat to 2 no Ward Pucca Road	65	6.30							
60	Transport	Construction of Road by Bituminous Carpeting (Ward 10–11)	65	2.40							

Note: Cost is estimation by the CC.

Source: ICGP Team

Considering the situation of subprojects mentioned above, ICGP Team removed Subproject No. 1 from the short list at this stage, because technical and financial difficulty is high, but this has not been elaborated in the Master Plan.

It is essential for solid waste management subprojects to carefully examine social and environmental considerations and prepare studies and EIA for the subprojects.

As a result, the shortlisted subproject for RpCC is shown in the table below.

Table 9-8: Selected Subprojects in Stage 3 (Tentative)

(a) Main Subprojects

No	Sector	Subproject Name	Cost (Crore BDT)
29	Transport	Construction of road by (ISG,AS,WBM & BC) Bituminous Carpeting (Ward 16–19)	27.84
6	Drain	Construction of road side RpCC surface drain (Ward 14–20)	25.43
30	Transport	Construction of road by (ISG,AS,WBM & BC) Bituminous Carpeting (Ward 20–23)	22.91
31	Transport	Construction of road by (ISG,AS,WBM & BC) Bituminous Carpeting (Ward 24–27, 29, 30)	16.31
32	Transport	Construction of road by (ISG,AS,WBM & BC) Bituminous Carpeting (Ward 28–30)	26.24
38	Drain	Construction of road side RpCC surface drain (Ward 14–20)	36.03
2	Transport	Construction of road by (ISG,AS,WBM & BC) Bituminous Carpeting (Ward 01–06)	27.89
7	Drain Road	Construction of road side RpCC surface drain (Ward 20–24, 28)	33.75
8	Drain Road	Construction of road side RpCC surface drain (Ward 25–30)	30.12
12	WSS	Installation of water supply system in different ward	14.00
13	Municipal Facilities	Construction of bus terminal	19.00
14	Municipal Facilities	Construction of truck terminal	8.00
21	Transport	Re-construction of Bridge over Khoksha Ghaghot river at Mirgonj road	8.00
22	Transport	Construction of Bridge over K.D canal at Angur Mia	3.00
24	Transport	Construction of road by (ISG,AS,WBM & BC) Bituminous Carpeting (Ward 01–03)	32.36
46	Drain	Construction of road side RpCC surface drain (Ward 20–22)	21.15
47	Drain	Construction of road side RpCC surface drain (Ward 23–25)	13.65
48	Drain	Construction of road side RpCC surface drain (Ward 26–30)	23.75
52	WSS	New installation of water supply system	19.50
55	Municipal Facilities	Renovation work of Street Lighting	9.00
58	Transport	Improvement of Road from Benughat to 2 no Ward Pucca Road	6.30
60	Transport	Construction of Road by Bituminous Carpeting (Ward 10–11)	2.40
Total			426.63

(b) Reserved Subprojects

No	Sector	Project Name	Cost (Crore BDT)
3	Transport	Construction of road by (ISG,AS,WBM & BC) Bituminous Carpeting (Ward 06–09)	25.96
4	Transport	Construction of road by (ISG,AS,WBM & BC) Bituminous Carpeting (Ward 10–15)	25.62
5	Transport	Construction of road by (ISG,AS,WBM & BC) Bituminous Carpeting (Ward 14–15, 31–33)	27.82
19	Municipal Facilities	Construction of Super Market (3 #)	44.00
23	Transport	Construction of Box Culvert In different wards	7.00
25	Transport	Construction of road by (ISG,AS,WBM & BC) Bituminous Carpeting (Ward 04–07)	39.84
26	Transport	Construction of road by (ISG,AS,WBM & BC) Bituminous Carpeting (Ward 08–10)	43.38
28	Transport	Construction of road by (ISG,AS,WBM & BC) Bituminous Carpeting (Ward 13–15)	21.49
35	Drain	Construction of road side RpCC surface drain (Ward 05–06)	28.75
36	Drain	Construction of road side RpCC surface drain (Ward 07–10)	22.00
37	Drain	Construction of road side RpCC surface drain (Ward 11–13, 15)	36.40
42	Municipal Facilities	Construction of Kitchen Markets (5 #)	14.42
45	Transport	Construction of Foot Over Bridges	19.80
49	Drain	Rehabilitation& Slope Protection of KD Canal	20.00
Total (a) & (b)			803.11

Note: Cost is estimation by the CC.

Source: ICGP Team

9.2.4 Estimation and Adjustment

After the Stage 3 evaluation, costs of the shortlisted subprojects were reevaluated and based upon the basic design costs. Meanwhile, the total direct construction cost was adjusted within the loan allocation by deducting indirect costs. For the selection of final candidate subprojects from the shortlist, the following aspects were carefully examined with information from the CC and field observation: (i) importance to the CC's development vision; (ii) strategic location and special connectivity; (iii) synergistic impact among subprojects; (iv) feasibility at the basic design level; and (v) the overall priority score. In this stage, specific work activities are subject to reconsideration – thus minor activities such as simple rehabilitation and branch sections in subprojects may be omitted here.

As a result of this process, several work activities (i.e., schemes) were judged less important, and alternatively, schemes under chosen subprojects are included in the selected list below.

Table 9-9: Selected Subprojects after Estimation

No	Sector	Project Name	Cost (Crore BDT)
29	Transport	Construction of road by (ISG,AS,WBM & BC) Bituminous Carpeting (Ward 16–19)	3.3
6	Drain	Construction of road side RpCC surface/Pipe drain (Ward 14–20)	28.8
30	Transport	Construction of road by (ISG,AS,WBM & BC) Bituminous Carpeting (Ward 20–23)	1.9
31	Transport	Construction of road by (ISG,AS,WBM & BC) Bituminous Carpeting (Ward 24–27, 29, 30)	5.7
32	Transport	Construction of road by (ISG,AS,WBM & BC) Bituminous Carpeting (Ward 28–30)	5.1
38	Drain	Construction of road side RpCC surface/Pipe drain (Ward 14–20)	41.0
2	Transport	Construction of road by (ISG,AS,WBM & BC) Bituminous Carpeting (Ward 01–06)	13.7
7	Drain	Construction of road side RpCC surface/Pipe drain (Ward 20–24, 28)	31.8
8	Drain	Construction of road side RpCC surface/Pipe drain (Ward 25–30)	22.2
12	WSS	Installation of water supply system in different ward	14.8
13	Municipal Facilities	Construction of bus terminal	18.2
14	Municipal Facilities	Construction of truck terminal	7.3
21	Transport	Re-construction of Bridge over Khoksha Ghaghot river at Mirgonj road	3.9
22	Transport	Construction of Bridge over K.D canal at Angur Mia	4.2
24	Transport	Construction of road by (ISG,AS,WBM & BC) Bituminous Carpeting (Ward 01–03)	1.9
52	WSS	New installation of water supply system	16.2
55	Municipal Facilities	Renovation work of Street Lighting	8.3
58	Transport	Improvement of Road from Benughat to 2 no Ward Pucca Road	7.6
3	Transport	Construction of road by (ISG,AS,WBM & BC) Bituminous Carpeting (Ward 06–09)	3.8
4	Transport	Construction of road by (ISG,AS,WBM & BC) Bituminous Carpeting (Ward 10–15)	10.5
25	Transport	Construction of road by (ISG,AS,WBM & BC) Bituminous Carpeting (Ward 04–07)	13.6
26	Transport	Construction of road by (ISG,AS,WBM & BC) Bituminous Carpeting (Ward 08–10)	15.3
28	Transport	Construction of road by (ISG,AS,WBM & BC) Bituminous Carpeting (Ward 13–15)	8.4
60	Transport	Construction of Road by Bituminous Carpeting (Ward 10–11)	3.3
Total			290.5

Note: Cost is estimation as of end of November, 2013.

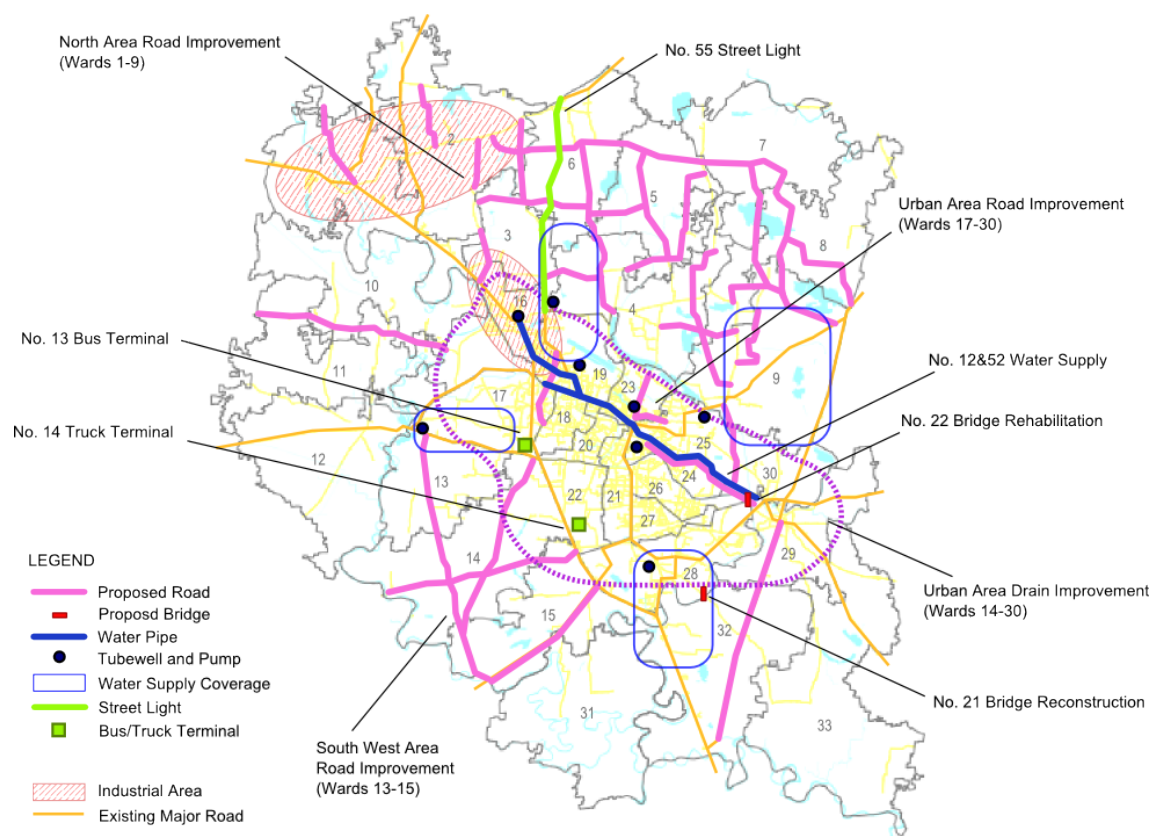
Source: ICGP Team

Table 9-10: Sector-wise Summary of Selected Subprojects

Sub-component	Item	Quantity
Transport	Road improvement	104.8km
Drain Improvement	Drain improvement (tertiary drain and roadside)	96.0 km
Water Supply System	Tube well installation	8
	Water tank construction	3
	Water treatment plant construction	2
	Pipeline installation	62.5 km
Municipal Facilities	Bus terminal	1 no (5,000m2)
	Truck terminal	1 no (5,000m2)
	Street lights	2,500

Source: ICGP Team

The figure below shows the CC’s geography, existing infrastructure, priority areas, and location of the final subprojects in this stage. More detailed spatial examination with mapping will follow in the next step of this project.



Source: ICGP Team

Figure 9-1: Location of Short Listed Subprojects

Chapter 10 Baseline Survey and Economic Analysis

This chapter summarizes the results of the baseline survey and economic analyses for selected subprojects of ICGP Team for RpCC.

10.1 Baseline Survey and Target for Performance Indicator

The sectors of the subprojects of ICGP Team for NCC are as follows.

- Road/Bridge
- Street Lighting
- Drain Improvement
- Water Supply
- Bus Terminal/Truck Terminal

The results of the baseline survey are summarized by sector.

(1) Road/Bridge

1) Contents

The selected subprojects for road/bridge are as follows.

Table 10-1: Selected RpCC Road/Bridge Subprojects for Road/Bridge

No.	Name of the Subprojects
2	Construction of Road by (ISG,AS,WBM & BC) Bituminous Carpeting (Wards 01–06)
24	Construction of Road by (ISG,AS,WBM & BC) Bituminous Carpeting (Wards 01–03)
29	Construction of Road by (ISG,AS,WBM & BC) Bituminous Carpeting (Wards 16–19)
30	Construction of Road by (ISG,AS,WBM & BC) Bituminous Carpeting (Wards 20–23)
21	Reconstruction of Bridge over the Khoksha Ghaghot River at Mirgonj Road
22	Construction of Bridge over the K.D Canal at Angur Mia
58	Improvement of Road from Benughat to 2 Ward Pucca Roads
31	Construction of Road by (ISG,AS,WBM & BC) Bituminous Carpeting (Wards 24–27, 29, 30)
32	Construction of Road by (ISG, AS, WBM & BC) Bituminous Carpeting (Wards 28–30)
3	Construction of Road by (ISG, AS, WBM & BC) Bituminous Carpeting (Wards 03–09)
4	Construction of Road by (ISG, AS, WBM & BC) Bituminous Carpeting (Wards 10–15)
25	Construction of Road by (ISG, AS, WBM & BC) Bituminous Carpeting (Wards 04–07)
26	Construction of Road by (ISG, AS, WBM & BC) Bituminous Carpeting (Wards 08–10)
28	Construction of Road by (ISG, AS, WBM & BC) Bituminous Carpeting (Wards 13–15)
60	Construction of Road by Bituminous Carpeting (Wards 10–11)

Source: ICGP Team

Considering the location and users of the road/bridge, the ICGP Team categorized the subprojects into three categories: (i) city roads; (ii) connector roads between city and local areas; and (iii) local road. The length of the roads by category is as follows:

- City Roads: 26.25 km
- Connector Roads: 10.00 km
- Local Roads: 68.55 km

Traffic Count Surveys

To evaluate the current traffic situation, a traffic count survey was conducted. As there are many roads in the subprojects, one traffic survey for each road category was conducted as a baseline

survey for road/bridge projects. The survey was for one weekday day (from 6:00AM to 10:00PM) at specific locations.

The results are as follows:

Category: City Road

Location: Near Jahaz Company More, Jahaz Company More – Mahiganj Satmatha

Date: 2013 Nov. 20

Count Result

Table 10-2: Traffic Count Survey Results (City Road)

Time	Motorized Vehicles (MT)								Non-Motorized		Total		
	1 Truck		2 Bus		3 Car		4 CNG / Auto Rickshaw		5 Bicycle / Rickshaw / Van /		Total MT	Total NMT	G. Total
	From	To	From	To	From	To	From	To	From	To			
06:00-07:00	10	5	4	-	11	1	46	46	80	63	123	143	266
07:00-08:00	9	9	1	-	5	6	85	119	113	202	234	315	549
08:00-09:00	7	6	-	-	12	18	139	225	198	381	407	579	986
09:00-10:00	5	4	3	1	16	17	307	447	427	803	800	1,230	2,030
10:00-11:00	5	5	2	2	35	20	391	477	515	554	937	1,069	2,086
11:00-12:00	7	2	-	-	27	18	291	469	488	590	814	1,078	1,892
12:00-13:00	5	6	2	1	8	21	415	389	453	498	847	951	1,798
13:00-14:00	5	5	2	1	7	15	342	341	423	332	718	755	1,473
14:00-15:00	6	3	-	2	11	22	434	406	520	511	884	1,031	1,835
15:00-16:00	2	8	-	-	16	18	427	383	373	420	854	793	1,647
16:00-17:00	6	3	-	-	25	26	470	369	402	464	899	866	1,765
17:00-18:00	5	5	-	3	31	27	370	399	385	448	840	833	1,673
18:00-19:00	8	3	2	3	19	21	320	346	345	439	722	784	1,506
19:00-20:00	3	2	2	2	25	26	295	315	268	301	670	569	1,239
20:00-21:00	9	4	3	-	13	17	227	197	218	222	470	440	910
21:00-22:00	11	4	-	-	8	12	176	124	169	122	335	291	626
Total one way	103	74	21	15	269	285	4,735	5,052	5,377	6,350	10,554	11,727	22,281
Total two way	177		36		554		9787		11727				

Source: ICGP Team

Category: Connector road between the city and local areas

Location: Near MP Checkpost, MP Checkpost – Barabazar

Date: 2013 Nov. 20

Count Result

Table 10-3: Traffic Count Survey Results (Connector Road)

Time	Motorized Vehicles (MT)								Non-Motorized Vehicles (NMT)		Total		
	1 Truck		2 Bus		3 Car		4 CNG / Auto Rickshaw		5 Bicycle / Rickshaw / Van / Push Cart		Total MT	Total NMT	G. Total
	From	To	From	To	From	To	From	To	From	To			
06:00-07:00	-	-	-	-	2	-	68	14	106	38	84	144	228
07:00-08:00	-	1	-	-	5	-	90	25	123	86	121	209	330
08:00-09:00	-	3	-	-	5	1	101	22	157	171	132	328	460
09:00-10:00	-	1	-	-	6	2	100	68	263	244	177	507	684
10:00-11:00	-	1	-	-	6	5	165	137	270	233	314	503	817
11:00-12:00	-	-	-	-	2	2	67	58	167	222	129	389	518
12:00-13:00	-	2	-	-	1	2	50	66	143	237	121	360	501
13:00-14:00	-	1	-	-	3	2	47	49	142	221	102	363	465
14:00-15:00	-	2	-	-	3	2	68	67	213	388	142	601	743
15:00-16:00	-	2	-	-	5	2	137	57	202	386	203	588	791
16:00-17:00	2	2	-	-	11	2	152	55	233	285	224	518	742
17:00-18:00	4	2	-	-	9	3	213	51	271	405	282	676	958
18:00-19:00	6	2	-	-	11	-	175	59	226	336	253	562	815
19:00-20:00	2	5	-	-	3	2	76	58	84	263	146	347	493
20:00-21:00	7	4	-	-	3	2	63	46	85	229	125	314	439
21:00-22:00	7	2	-	-	1	1	56	31	69	162	98	231	329
Total one way	28	30	-	-	76	28	1,628	863	2,754	3,906	2,653	6,660	9,313
Total two way	58	0	-	-	104	-	2491	-	6660	-	-	-	-

Source: ICGP Team

Category: Local Road

Location: Near Guptapara, Guptapara – Station Road

Date: 2013 Nov. 20

Count Result

Table 10-4: Traffic Count Survey Results (Local Road)

Time	Motorized Vehicles (MT)								Non-Motorized Vehicles (NMT)		Total		
	1 Truck		2 Bus		3 Car		4 CNG / Auto Rickshaw		5 Bicycle / Rickshaw / Van / Push Cart		Total MT	Total NMT	G. Total
	From	To	From	To	From	To	From	To	From	To			
06:00-07:00	1	1	6	-	13	2	29	14	37	18	66	55	121
07:00-08:00	-	3	3	-	11	3	27	25	88	43	72	131	203
08:00-09:00	5	2	-	-	10	7	46	67	221	188	137	409	546
09:00-10:00	5	4	-	-	15	10	104	115	458	398	253	856	1,109
10:00-11:00	5	2	-	1	12	17	117	117	508	380	271	888	1,159
11:00-12:00	3	1	1	2	25	15	144	135	451	380	326	831	1,157
12:00-13:00	2	2	2	-	12	13	116	152	446	298	299	744	1,043
13:00-14:00	3	1	3	2	19	14	82	185	355	291	309	646	955
14:00-15:00	4	5	1	-	13	11	157	146	279	340	337	619	956
15:00-16:00	2	7	-	1	19	17	162	151	243	306	359	549	908
16:00-17:00	3	5	1	1	19	22	145	143	290	374	339	664	1,003
17:00-18:00	3	4	-	-	27	18	193	164	322	292	409	614	1,023
18:00-19:00	4	4	1	-	22	24	155	145	223	256	355	479	834
19:00-20:00	3	4	-	2	13	18	106	117	149	173	263	322	585
20:00-21:00	3	3	-	-	17	16	80	117	103	139	236	242	478
21:00-22:00	3	3	-	-	13	16	42	84	65	98	161	163	324
Total one way	49	51	18	9	260	223	1,705	1,877	4,238	3,974	4,192	8,212	12,404
Total two way	100	-	27	-	483	-	3582	-	8212	-	-	-	-

Source: ICGP Team

Driving Time

To assess traffic congestion and existing conditions, the ICGP Team conducted driving time surveys at three locations for each road category to assess speed. Result were as follows:

City Road

- Time to drive 1 km (from point-to-point): 2.0 minutes
- Survey location: Near Jahaz Company More
- Date and time of survey: 20.11.2013

Connector Road

- Time to drive 1 km (from point-to-point): 3.0 minutes
- The place where the surveys were conducted: Near MP Checkpost
- Date and time of survey: 20.11.2013

Local Road

- Time to drive 1 km (from point-to-point): 4.6 minutes
- The place where the surveys were conducted: Near Guptapara
- Date and time of survey: 20.11.2013

Target for Quantitative Indicator

- Traffic volume will increase by 20% two years after initiation .
- Driving time will decrease by 10% two years after initiation.

(2) Drainage

1) Contents

The selected drainage subprojects are as follows.

Table 10-5: Selected RpCC Drainage Subprojects

No.	Name of the Subprojects
6	Construction of Roadside RpCC Surface/Pipe Drain (Wards 14–20)
7	Construction of Roadside RpCC Surface/Pipe Drain (Wards 20–24, 28)
8	Construction of Roadside RpCC Surface/Pipe Drain (Wards 25–30)
38	Construction of Roadside RpCC Surface/Pipe Drain (Wards 14–20)

Source: ICGP Team

2) Current Situation

There are two large bodies of water in the north of the RpCC namely, Chiklir Beel and Radhasagar Lake. In the northwest, the Ghagat River plays an important role as a source of water. The Shamasundori Canal stretches from the northwest of the town to the southeast. This canal plays an important role in maintaining the ecological balance as well as providing storm water drainage.

The drainage network is about 235 km in total length within the CC – this includes 60 km of RpCC and masonry drains and 175 km of earthen dams..

Table 10-6: Length of Existing RpCC Drainage System

Drain Type	Length (km)
RpCC and masonry Drain	60.0
Earthen Drain	175.0
Total	235.0

Source: RpCC at a Glance; 2011

Description of Drainage System

In the RpCC, storm water drainage is a significant problem. Improper design and construction, siltation, encroachment and lack of maintenance are the principal causes for a dysfunctional drainage system. A drainage master plan is required to improve the situation, especially as there is no drainage system in outlying areas of the RpCC.

3) Information as Baseline

- Days of disturbance from flooding: 30 days/year (based on feedback from more than 20 residents per flooded area)
- Number of residents in the flooded areas: 120,000 (based on statistical data)

4) Target for Quantitative Indicator

- Days of disturbance from flooding will decrease by 20% two years after initiation.
- Number of residents in flooded areas will decrease 20% two years after initiation .

(3) Street Lighting

1) Contents

The selected subprojects for street lighting are as follows.

Table 10-7: Selected RpCC Street Lighting Subprojects

No.	Name of the Subprojects
55	Renovation of Street Lighting

Source: ICGP Team

2) Current Status of Street Lighting in RpCC

The overall condition of the RpCC street light system is unsatisfactory. Most of the existing electric poles are owned by REB. In many areas, poles lack lights or lights without shades. In some areas there are no light poles at all.

Impacts on Pedestrians and Vehicle Movement:

In some roads or wards there are no street lights at all. As a result, it is difficult for pedestrians to use these roads at night. Teenage criminals are rampant in these areas throughout the night and often steal/rob those that pass by.

Vehicle movement is impeded at night due to larger potholes in the road. Accidents often take place at night time due to poor visibility. Cargo-carrying trucks from other hinterland areas are often stuck in areas with poor road conditions due to poor or no street lighting. Traffic congestion occurs frequently.

3) Traffic Count Surveys

To assess existing conditions, the ICGP Team conducted nighttime traffic surveys at three points (from 6:00PM to 10:00PM) at three locations. Results are as follows:

(i) Location 1: Jahaz Company Mor to Mahiganj Satmatha

Time	Motorized Vehicles (MT)								Non-Motorized Vehicles (NMT)		Total		
	1		2		3		4		5		Total MT	Total NMT	G. Total
	Truck		Bus		Car		CNG / Auto Rickshaw		Bicycle / Rickshaw / Van / Push Cart Animal Cart				
	From	To	From	To	From	To	From	To	From	To			
18:00-19:00	6	2			11	-	175	59	226	336	253	562	815
19:00-20:00	2	5			3	2	76	58	84	263	146	347	493
20:00-21:00	7	4			3	2	63	46	85	229	125	314	439
21:00-22:00	7	2			1	1	56	31	69	162	98	231	329
Total one way	22	13	-	-	18	5	370	194	464	990	622	1,454	2,076
Total two way	35		0		23		564		1454				

(ii) Location 2: Satgara Kamil Madrasa to MP Check Post

Time	Motorized Vehicles (MT)								Non-Motorized Vehicles (NMT)		Total		
	1		2		3		4		5		Total MT	Total NMT	G. Total
	Truck		Bus		Car		CNG / Auto Rickshaw		Bicycle / Rickshaw / Van / Push Cart Animal Cart				
	From	To	From	To	From	To	From	To	From	To			
18:00-19:00	8	3	2	3	19	21	320	346	345	439	722	784	1,506
19:00-20:00	3	2	2	2	25	26	295	315	268	301	670	569	1,239
20:00-21:00	9	4	3	-	13	17	227	197	218	222	470	440	910
21:00-22:00	11	4		-	8	12	176	124	169	122	335	291	626
Total one way	31	13	7	5	65	76	1,018	982	1,000	1,084	2,197	2,084	4,281
Total two way	44		12		141		2000		2084				

(iii) Location 3: Guptapara Mor to Station

Time	Motorized Vehicles (MT)								Non-Motorized Vehicles (NMT)		Total		
	1		2		3		4		5		Total MT	Total NMT	G. Total
	Truck		Bus		Car		CNG / Auto Rickshaw		Bicycle / Rickshaw / Van / Push Cart Animal Cart				
	From	To	From	To	From	To	From	To	From	To			
18:00-19:00	4	4	1	-	22	24	155	145	223	256	355	479	834
19:00-20:00	3	4	-	2	13	18	106	117	149	173	263	322	585
20:00-21:00	3	3	-	-	17	16	80	117	103	139	236	242	478
21:00-22:00	3	3	-	-	13	16	42	84	65	98	161	163	324
Total one way	13	14	1	2	65	74	383	463	540	666	1,015	1,206	2,221
Total two way	27		3		139		846		1206				

4) Target for Quantitative Indicator

- Number of operating street lights will increase by 50% two years after initiation.

(4) Water Supply

1) Contents

The selected water supply subprojects are as follows.

Table 10-8: Selected RpCC Water Supply Subprojects

No.	Name of the Subprojects
52	New Installation of Water Supply System

Source: ICGP Team

2) Information as Baseline

The current numbers of RpCC residents is quite high such that existing water supply system cannot meet current demand. To meet demand, the CC has proposed a 50 km pipeline distribution network (comprised of a network of 20 km of 100mm diameter pipes, 15 km of 150mm diameter pipes, 10 km of 200mm diameter pipes, and 5 km of 250mm diameter pipes, respectively). This network would include four (4) production tube wells, two (2) iron removal plants (capacity 4000m³/day), and four (4) overhead tanks (capacity 680 m³).

Methodology of WSS Improvement

According to the BBS 2011, there are a total 585,049 residents and about 132,921 households in RpCC. The current water supply provides for 262,100 residents and 52,420 households. In the CC area, the daily water consumption is about 130 LPCD.

3) Target for Quantitative Indicator

- Water supply will achieve the designed amount two years after initiation.
- Water supply system will cover 80% of the target area two years after initiation.

(5) Bus Terminal/Truck Terminal

1) Contents

The selected bus/truck terminal subprojects are as follows.

Table 10-9: Selected RpCC Bus/Truck Terminal Subprojects

No.	Name of the Subprojects
13	Construction of a Bus Terminal
14	Construction of a Truck Terminal

Source: ICGP Team

2) Information as Baseline

Bus Terminal

RpCC has one central/inter-district bus terminal at R.K Road. The existing bus terminal occupies a total area of about 6.57 acres. The CC proposed to upgrade the 5,000 m² terminal and to construct a terminal building with parking for passenger vehicles as well as internal drains. The existing terminal handles about 40–60 buses at a time. During morning hours (6:00AM–11:00AM), about 20–22 buses leave the terminal and 15–20 buses enter the terminal. Most of the intercity buses can seat 36 passengers, although some coaches can seat up to 42 passengers. Presently 1,500–2,000 passengers use the terminal each day. Waiting time is between 30–60 minutes throughout the day..

The terminal will be constructed between Jhautola and R.K Road. The ICGP Team made contact with the RpCC Executive Engineer, Md. Amdad Hossain, several times and conducted interview surveys within the terminal to obtain information. According to the CC Engineer, the existing RpCC bus terminal lacks sufficient storage space for buses. From the survey, it is assumed that waiting time for buses could be reduced by up to 20 minutes by improving the present condition of the terminal.

Truck Terminal

RpCC has one inter-district truck terminal at R.K Road. The existing truck terminal occupies a total area of about 2.64 acres. The CC proposed to upgrade the 5,000 m² terminal platform and to construct one terminal building, including 400 m of internal drains. The capacity of the existing terminal is about 50–60 trucks at a time. The waiting time at the terminal is a minimum of 30 minutes depending on loading/unloading times for different types of goods.

The existing RpCC truck terminal has insufficient space for trucks as well as loading/unloading platforms. The ICGP Team contacted the RpCC Executive Engineer, Md. Amdad Hossain, several times and conducted interview surveys within the existing terminal to obtain information. As per the CC Engineer and the surveys, it is assumed that terminal improvements would reduce truck waiting time by about 10 minutes to an average of 20 minutes.

2) Information as Baseline

Bus Terminal

- Average number of passengers: 2,000 person/year (based on interview surveys)

Truck Terminal

- Average number of trucks: 50–60 vehicle/day (based on interview surveys)

3) Target for Quantitative Indicator

Bus Terminal

- Number of passengers will increase by 20% two years after initiation.

Truck Terminal

- Number of trucks will increase by 20% two years after initiation.

10.2 Economic Analysis

The results of the economic analysis are summarized by sector.

(1) Road/Bridge

Quantitative analysis is applied to the road/bridge subprojects.

1) Benefit

Benefits include the following:

- Travel time savings for those using roads improved by the road/bridge subprojects

2) Assumptions

- Operation period: 30 years
- All subprojects will start their operation from 2019.
- Operation and maintenance cost: 3% of initial investment
- Travel time savings after subprojects completion: 0.8 min/km for City Roads, 1.2 min/km for Connector Roads, and 1.0 min/km for Local Roads (against current conditions)
- Cost for an average person: 1.01 BDT/person*min (based on statistical data)
- Number of users: 102,750 persons/day for City Roads, 23,550 persons/day for Connector Roads, and 52,500 person/day for Local Roads (based on the results of traffic surveys)

Result

Based on the assumptions mentioned above, Economic Internal Rate of Return (EIRR) of the subprojects is 72.80%. As the EIRR exceeds 12%, the typical social discount rate and a threshold rate for economic analysis, this project can be considered economically feasible.

(2) Drainage

Qualitative analysis is applied to the drainage subprojects:

The sustainable urban infrastructure project will be important for the urban residents in the economic growth process by removing impediments by integrating urban areas with the livelihood of the poor. The subproject will improve residential access to services such as health, education and a wide range of secondary and tertiary jobs. It will generate two types of benefits:

- Direct benefits from travel time savings, enhanced marketing facilities and commercialization of productive activities.
- Indirect benefits from benefits not quantified in the economic benefit. For instance, the project will foster institutional development in intervention areas that promote equitable distribution of economic and non-economic benefits.

According to the Draft Rangpur Development Plan 2011, 80% of the previous Rangpur Paurosava is flooded during rainy season, while outlying areas of the CC lack a drainage system.

(3) Street Lighting

Qualitative analysis is applied to the street lighting subprojects.

From field surveys at the target area, the City Corporation will be able take care of the development needs of this city and ensure necessary civil services through this project. Thus, it will increase the Municipality's revenue fund. As a result, development activities will encourage economic activity.

Two types of benefits will be generated by the project: (i) direct benefits that can be easily quantified; and (ii) indirect benefits that cannot be reliably quantified, but are important considerations in relation to this project. Street lighting will provide the following benefits to residents as well as the City Corporation.

- Improved night time visibility.
- Increased road safety.
- Reduced damage to cargo, cars, buses and trucks.
- Fewer accidents at night
- Improved safety and less crime
- Reduce fuel costs and repair costs of vehicles due to smoother visible road.
- Reduced costs from reduced travel distances and times.
- Higher CC revenues.
- Enhanced street aesthetics
- Increased trade and business activity along lit streets

(4) Water Supply

Quantitative analysis is applied to the water supply subprojects.

1) Benefit

Benefits include the following:

- Time savings for residents in subprojects by easily obtaining water from a water supply system rather than obtaining water from wells or other water sources

2) Assumptions

- Operation period: 20 years
- Subproject No. 12 will start its operation from 2018.
- Operation and maintenance cost: 5% of initial investment
- Time savings after the subprojects are completed: 3 min/person (based on assumptions about the lifestyle of residents)
- Cost for an average person: 1.01 BDT/person*min (based on statistical data)
- Number of served residents: 262,100 persons (based on statistical data)

3) Result

Based on the assumptions mentioned above, the EIRR of the subprojects is 108.32%. As the EIRR exceeds 12%, the typical social discount rate and a threshold rate for economic analysis, this project can be considered economically feasible.

(5) Bus Terminal/Truck Terminal

Quantitative analysis is applied to the bus terminal/truck terminal subprojects.

1) Benefit

2) Benefits include the following:

- Travel time savings for bus terminal passengers from reduced waiting time from improved infrastructure
- Journey time saving for drivers and cargo of trucks from reduced waiting time from improved infrastructure

3) Assumptions

- Operation period: 20 years
- Subproject No. 13 and 14 will start its operation from 2018.
- Operation and maintenance cost: 3% of initial investment
- Travel time savings after the subprojects are completed: 20 min/person or truck (based on interview surveys at the existing terminals)
- Cost of for average person: 1.01 BDT/person*min (based on statistical data)
- Cost of an average cargo of a truck: 10.10 BDT/truck*min (based on an assumption of 10 times the cost for an average person)
- Number of passengers served at the bus terminal: 2,000 person/day (based on interview surveys at the existing terminals)
- Number of trucks served at the truck terminal: 60 vehicle/day (based on interview surveys at the existing terminals)

4) Result

Based on the assumptions mentioned above, the EIRR of the subprojects is 12.19%. As the EIRR exceeds 12%, the typical social discount rate and a threshold rate for economic analysis, this project can be considered economically feasible.

Annex B-1: Population of RpCC

Administrative Unit <i>Residence</i> Community	Households				Population			Sex Ratio
	Total	General	Institu- tional	Others	Both	Male	Female	
1	2	3	4	5	6	7	8	9
Uttam Union Total (Ward 1-3)	9661	9651	5	5	40428	20476	19952	103
*Abhiram	2016	2016	0	0	8081	4103	3978	103
Madhya Abhirampur	388	388	0	0	1579	793	786	101
Purba Abhiram	629	629	0	0	2531	1278	1253	102
Paschim Abhiram	999	999	0	0	3971	2032	1939	105
*Baragharia	269	268	1	0	1116	567	549	103
*Goyalu	464	464	0	0	1912	940	972	97
*Hariram Piroj	538	537	0	1	2191	1139	1052	108
*Kellaband (Part-B)	760	760	0	0	3259	1611	1648	98
Kellaband Purbapara	322	322	0	0	1407	707	700	101
Kuti Para	318	318	0	0	1374	669	705	95
Kellaband Paschimpara	120	120	0	0	478	235	243	97
*Manohar	119	119	0	0	536	266	270	99
*Niamat	829	828	1	0	3819	2067	1752	118
*Ranachandi	1050	1050	0	0	4073	2017	2056	98
*Shake Tayab	9	9	0	0	47	21	26	81
*Uttam	3607	3600	3	4	15394	7745	7649	101
Tapodhan Union Total (Ward 4,7,8,9)	12276	12272	2	2	52487	26623	25864	103
*Arazi Gulalbudhai	465	465	0	0	1995	996	999	100
*Bahar Kachna	1755	1753	1	1	7886	4010	3876	103
*Baksa	381	381	0	0	1592	785	807	97
*Benughat	1131	1131	0	0	4692	2380	2312	103
*Bircharan	312	312	0	0	1365	699	666	105
*Budhai	578	578	0	0	2450	1229	1221	101
*Budhu Kamla	382	382	0	0	1422	712	710	100
*Chandkuti	1125	1125	0	0	4714	2334	2380	98
*Chilman	629	629	0	0	2831	1459	1372	106
*Gulal Budhai	664	664	0	0	2724	1354	1370	99
*Hariram Mal	344	344	0	0	1472	754	718	105
*Kachna	620	619	1	0	2861	1535	1326	116
*Kartik	1125	1125	0	0	4659	2298	2361	97
*Khalishakuri	343	343	0	0	1596	834	762	109
*Mahabbat Khan	879	879	0	0	3752	1897	1855	102
*Manadar	149	149	0	0	589	300	289	104
*Mano Gopal	108	108	0	0	467	239	228	105
*Nahati Kachna	100	100	0	0	442	230	212	108
*Ramgobinda	709	709	0	0	3076	1582	1494	106
*Sahebganj	219	219	0	0	802	426	376	113
*Tapodhan	258	257	0	1	1100	570	530	108
Pashuram Union Total (Ward 5,6,7(part))	9293	9286	1	6	40788	20750	20038	104
*Amashu (Part-B)	1381	1379	1	1	6387	3280	3107	106
*Arazi Pashuram	183	183	0	0	749	413	336	123
*Bahadur Singha	749	749	0	0	3315	1633	1682	97
*Balakowar	193	193	0	0	852	442	410	108
*Benod	450	448	0	2	1972	981	991	99

Administrative Unit Residence Community	Households				Population			Sex Ratio
	Total	General	Institu- tional	Others	Both	Male	Female	
1	2	3	4	5	6	7	8	9
*Bhagi (Part-B)	120	120	0	0	541	269	272	99
*Chabbish Hazari	944	944	0	0	4012	2028	1984	102
*Debottar Taluk	224	224	0	0	931	466	465	100
*Dhap (Part-B)	1211	1208	0	3	5420	2762	2658	104
*Harati	494	494	0	0	2111	1081	1030	105
*Kaimaguli Kukrul	234	234	0	0	980	515	465	111
*Kobaru	1200	1200	0	0	5341	2694	2647	102
*Kukrul (Part-B)	291	291	0	0	1367	720	647	111
*Nilkanta (Part-B)	119	119	0	0	482	245	237	103
*Pashuram	1062	1062	0	0	4469	2292	2177	105
*Payadhar	438	438	0	0	1859	929	930	100
Rajendrapur Union Total (Ward 10,11,12)	8644	8625	2	17	34753	17600	17153	103
*Baktarpur	1146	1145	0	1	4497	2210	2287	97
Ghatarpar	224	224	0	0	896	441	455	97
Pascim Para	355	355	0	0	1376	690	686	101
Darogarbari	351	351	0	0	1364	654	710	92
Masua Para	216	215	0	1	861	425	436	97
*Bhabanipur	173	173	0	0	781	386	395	98
*Binnatari	1201	1196	0	5	4712	2376	2336	102
Dalalitari	194	194	0	0	766	405	361	112
Purba Binnatari	236	236	0	0	964	472	492	96
Dakshin Binnatari	231	231	0	0	935	478	457	105
Binnatari Hindu Para	203	202	0	1	762	371	391	95
Mirpara	107	105	0	2	393	197	196	101
Madha Para	230	228	0	2	892	453	439	103
*Chak Isabpur	321	321	0	0	1295	644	651	99
*Gopinathpur	706	704	0	2	2971	1544	1427	108
*Jagadishpur	1227	1226	1	0	4951	2501	2450	102
Purba Jagadishpur	93	92	1	0	506	298	208	143
Khorder Tari	436	436	0	0	1695	832	863	96
Hindu Para	351	351	0	0	1351	675	676	100
Chowdhury Para	347	347	0	0	1399	696	703	99
*Kamdebpur	713	712	1	0	2913	1470	1443	102
Dakshin Kamdebpur	475	475	0	0	1901	939	962	98
Uttar Kamdebpur	238	237	1	0	1012	531	481	110
*Pakshi Phanda	306	306	0	0	1304	678	626	108
*Paschim Gilabari	434	434	0	0	1680	878	802	109
*Purba Gilabari	360	360	0	0	1446	729	717	102
*Radhakrishnapur	949	948	0	1	4029	2005	2024	99
Bagicha	273	272	0	1	1199	618	581	106
Najirhat	231	231	0	0	975	477	498	96
Paschim Radhakrishnapu	230	230	0	0	924	444	480	93
Baksitari	215	215	0	0	931	466	465	100
*Rajendrapur	1108	1100	0	8	4174	2179	1995	109
Satgara Union Total (Ward 13,14)	7856	7829	5	22	34572	17319	17253	100
*Barabari	986	986	0	0	4285	2164	2121	102
*Damodarpur	802	802	0	0	3520	1753	1767	99
*Deodoba	2162	2157	0	5	9435	4753	4682	102

Administrative Unit Residence Community	Households				Population			Sex Ratio
	Total	General	Institu- tional	Others	Both	Male	Female	
1	2	3	4	5	6	7	8	9
Nekartari	306	306	0	0	1297	612	685	89
Madhyapara	420	420	0	0	1791	917	874	105
Patan Para	424	424	0	0	1894	982	912	108
Kamar Para	224	224	0	0	1015	512	503	102
Bania Para	237	237	0	0	1047	511	536	95
Paiker Tari	169	169	0	0	700	363	337	108
Dangir Para	382	377	0	5	1691	856	835	103
*Ganeshpur (Part-B) Do	303	296	1	6	1417	743	674	110
*Manoharpur	881	881	0	0	3773	1900	1873	101
Munshi Para	120	120	0	0	494	239	255	94
Madhyapara	219	219	0	0	984	501	483	104
Paschimpara	120	120	0	0	505	254	251	101
Shingimari	120	120	0	0	472	243	229	106
Chowli Para	120	120	0	0	537	265	272	97
Uttarpara	182	182	0	0	781	398	383	104
*Pirzabad (Part-B)	2253	2239	4	10	10170	5021	5149	98
Dangir Para	289	280	3	6	1464	742	722	103
Sarkar Para	373	373	0	0	1624	785	839	94
Faria Para	652	648	0	4	3024	1483	1541	96
Jogi Para	645	644	1	0	2687	1328	1359	98
Bepari Para	294	294	0	0	1371	683	688	99
*Sanmanipur	469	468	0	1	1972	985	987	100
Sadya Pushkarni Union Total (Ward 15)	2046	2045	1	0	8628	4362	4266	
*Durgapur	277	276	1	0	1280	648	632	103
Majhi Para	131	131	0	0	606	314	292	108
Maroltari	146	145	1	0	674	334	340	98
*Fatehpur	1240	1240	0	0	5268	2636	2632	100
Bhatia Para	115	115	0	0	459	216	243	89
Munshi Para	107	107	0	0	466	237	229	103
Bagurai Para	149	149	0	0	608	293	315	93
Hindu Para	300	300	0	0	1318	657	661	99
Fatehpur	569	569	0	0	2417	1233	1184	104
*Silimpur	529	529	0	0	2080	1078	1002	108
Bhorat	101	101	0	0	454	239	215	111
Dararpar	107	107	0	0	386	194	192	101
Napit Para	102	102	0	0	406	212	194	109
Madhyapara	219	219	0	0	834	433	401	108
Rangpur Paurashava	64127	62415	116	1596	294265	151201	143064	
Ward No-16 Total	3661	3591	30	40	18424	10228	8196	125
*Hajipara	303	295	2	6	1590	847	743	114
*Kellabond	2270	2250	12	8	11610	6900	4710	146
*Police Fari	348	339	7	2	1685	773	912	85
*Raghunathgonj	628	600	7	21	3014	1450	1564	93
*Zail Road	112	107	2	3	525	258	267	97
Ward No-17 Total	7687	7544	11	132	33677	17040	16637	102
*Bhogi	1589	1582	1	6	6819	3422	3397	101
*Katkipara	893	864	1	28	3927	1907	2020	94
*Pirzabad	291	289	1	1	1556	862	694	124
*Pasharipara	389	387	2	0	1797	894	903	99

Administrative Unit Residence Community	Households				Population			Sex Ratio
	Total	General	Institu- tional	Others	Both	Male	Female	
1	2	3	4	5	6	7	8	9
*Parbatipur	1384	1377	1	6	5872	2925	2947	99
*Rampura	574	573	0	1	2482	1263	1219	104
*Satgara	2567	2472	5	90	11224	5767	5457	106
Ward No-18 Total	4045	3994	6	45	18241	8619	9622	90
*Keranipara	1747	1726	4	17	7729	3823	3906	98
*Munsipara	1240	1228	1	11	5261	2532	2729	93
*Mistrypara	798	791	1	6	4072	1651	2421	68
*Mondalpara	260	249	0	11	1179	613	566	108
Ward No-19 Total	3990	3812	19	159	19902	9920	9982	99
*Bhogi	27	27	0	0	172	84	88	95
*Chikli	1011	978	3	30	4504	2250	2254	100
*Dhap Staff Quarter	608	606	1	1	2475	1200	1275	94
*Enginearpara	217	214	3	0	1269	636	633	100
*Hanumantala	257	251	1	5	1232	587	645	91
*Jalkar	317	315	0	2	1509	772	737	105
*Medical College	366	271	8	87	3199	1465	1734	84
*Nil Kantha	547	546	1	0	2353	1192	1161	103
*Radha Ballave	640	604	2	34	3189	1734	1455	119
Ward No-20 Total	3926	3877	3	46	16894	8507	8387	101
*Chaulamon Road	59	59	0	0	232	118	114	104
*Gomostapara	393	388	0	5	1747	911	836	109
*Guratipara	804	798	1	5	3583	1801	1782	101
*Lichu Bagan	93	93	0	0	445	214	231	93
*Mula Tole	1445	1421	2	22	6109	3107	3002	103
*New Engineerpara	359	354	0	5	1525	731	794	92
*Pakpara	546	540	0	6	2386	1204	1182	102
*Thana Road	144	143	0	1	577	279	298	94
*Uttar Munsipara	83	81	0	2	290	142	148	96
Ward No-21 Total	3315	3156	3	156	15976	8353	7623	110
*College Road Alom Nagar	495	370	3	122	3146	1965	1181	166
*Hajipara	288	286	0	2	1241	610	631	97
*College Road Akalitari	714	705	0	9	2999	1445	1554	93
*Karanjai Road	99	97	0	2	460	252	208	121
*Mosipotti	37	36	0	1	224	109	115	95
*New Adorsa Para	798	790	0	8	3296	1616	1680	96
*New Senpara	414	408	0	6	2050	1026	1024	100
*Senpara	470	464	0	6	2560	1330	1230	108
Ward No-22 Total	4689	4603	2	84	21437	11414	10023	114
*Babukhan	1770	1747	1	22	8181	4313	3868	112
*Balapara	359	345	0	14	1734	990	744	133
*Ganeshpur	1489	1477	1	11	6653	3395	3258	104
*Kamarpara	1071	1034	0	37	4869	2716	2153	126
Ward No-23 Total	4181	4121	9	51	20344	11038	9306	119
*Hanumantala	619	608	0	11	2866	1586	1280	124
*Kukrul	487	480	0	7	2232	1192	1040	115
*Jalkar	177	175	0	2	777	392	385	102
*Jummapara	1857	1835	5	17	8832	4718	4114	115
*New Jummapara	796	785	2	9	4283	2361	1922	123
*Sadar Hospital	203	197	1	5	1046	563	483	117
*Police Line	42	41	1	0	308	226	82	276

Administrative Unit Residence Community	Households				Population			Sex Ratio
	Total	General	Institu- tional	Others	Both	Male	Female	
1	2	3	4	5	6	7	8	9
Ward No-24 Total	3046	3003	4	39	13403	6709	6694	100
*Bairagipara	248	246	1	1	1062	527	535	99
*Dakshin Kamal Kachna	835	824	0	11	3546	1735	1811	96
*Gupta Para	1097	1075	1	21	4890	2450	2440	100
*Manthana	95	91	1	3	511	273	238	115
*Masua Para	142	142	0	0	645	326	319	102
*Tatipara	629	625	1	3	2749	1398	1351	103
Ward No-25 Total	4322	4104	3	215	20785	10233	10552	97
*Kamal Kachna North	1101	1076	1	24	4903	2367	2536	93
*Mistripara	950	910	0	40	4536	2535	2001	127
*New Sal Ban	575	492	0	83	3068	1399	1669	84
*Shahipara	391	358	1	32	2153	802	1351	59
*Central Road	358	336	1	21	1902	1000	902	111
*Sal Ban	947	932	0	15	4223	2130	2093	102
Ward No-26 Total	4281	4266	5	10	18310	8980	9330	96
*Adorshapara	298	298	0	0	1138	534	604	88
*Helal Jute Press	186	185	1	0	720	357	363	98
*J.N.C Road	145	145	0	0	667	367	300	122
*Mahadebpur	751	751	0	0	3204	1580	1624	97
*Nurpur	942	938	0	4	4017	2033	1984	102
*Thikader Para	289	281	2	6	1323	636	687	93
*Rail Wary Purba Gate	237	237	0	0	820	375	445	84
*Roberston Gonj	1433	1431	2	0	6421	3098	3323	93
Ward No-27 Total	4689	4535	0	154	20338	10274	10064	102
*Alomnagar Colony	947	938	0	9	3751	1907	1844	103
*Alomnagar(Station Bazar	690	665	0	25	2863	1490	1373	109
*Babu Para	828	826	0	2	3337	1664	1673	99
*Khamarpara	1012	909	0	103	4801	2362	2439	97
*Muslimpara	341	341	0	0	1673	840	833	101
*Pirpur	522	508	0	14	2440	1270	1170	109
*Railway Paschimpara	349	348	0	1	1473	741	732	101
Ward No-28 Total	5763	5324	11	428	29332	16183	13149	123
*Ashratpur	2196	2019	0	177	10706	6128	4578	134
*Cadet College	278	253	0	25	1957	1331	626	213
*Carmichael College	290	263	8	19	1939	981	958	102
*Chiniapara	211	210	1	0	833	415	418	99
*Darshana Pahari	477	381	0	96	3326	2332	994	235
*Ershad Nagar	495	490	1	4	1841	888	953	93
*Kharbari	588	492	1	95	3444	1427	2017	71
*Tajhat	1228	1216	0	12	5286	2681	2605	103
Ward No-29 Total	3485	3442	8	35	13773	6951	6822	102
*Dewantuli	286	284	1	1	1217	619	598	104
*Bara Rangpur	98	97	0	1	441	236	205	115
*Conungotola(Dimla)	418	418	0	0	1753	883	870	101
*Chak Bazar(Tajhat)	229	221	5	3	965	521	444	117
*Cashaituli	525	521	0	4	2042	998	1044	96
*Goshaibari	275	275	0	0	1047	536	511	105
*Cochbihar	105	104	0	1	388	180	208	87
*Dhumkhatia	413	403	0	10	1738	901	837	108
*Fatepur	475	472	1	2	1742	866	876	99

Administrative Unit Residence Community	Households				Population			Sex Ratio
	Total	General	Institu- tional	Others	Both	Male	Female	
1	2	3	4	5	6	7	8	9
*Khorda Rangpur	210	210	0	0	828	407	421	97
*Mahiganj	332	318	1	13	1149	580	569	102
*Rothbari	119	119	0	0	463	224	239	94
Ward No-30 Total	3047	3043	2	2	13429	6752	6677	101
*Bothla	146	146	0	0	703	366	337	109
*Birbhadra	568	568	0	0	2475	1234	1241	99
*Dahiganj	177	173	2	2	820	438	382	115
*Kutir Par	448	448	0	0	1924	963	961	100
*Nachnia	328	328	0	0	1329	657	672	98
*Paschim Khashbag	428	428	0	0	1947	978	969	101
*Purba Khashbag	952	952	0	0	4231	2116	2115	100
Darshana Union Total (Ward 31)	5783	5757	14	12	24423	12367	12056	103
*Akkelpur	173	173	0	0	700	334	366	91
*Arazi Dharmadas	173	173	0	0	734	365	369	99
*Binodpur	538	536	2	0	2483	1207	1276	95
*Darshana Pahari	619	616	0	3	2692	1385	1307	106
*Harirampur	254	253	0	1	1090	557	533	105
*Kismat Bishu	250	249	1	0	1079	556	523	106
*Nazir Digar	1012	1012	0	0	4251	2144	2107	102
Purba Nazir Digar	315	315	0	0	1420	712	708	101
Paschim Nazir Digar	697	697	0	0	2831	1432	1399	102
*Panbari	499	497	1	1	1955	976	979	100
*Shakhpara	784	784	0	0	3114	1527	1587	96
*Ghagot Para	1481	1464	10	7	6325	3316	3009	110
Tamphat Union Total (Ward 32,33)	9739	9676	8	55	40075	20344	19731	103
*Araziman Khamar	272	269	1	2	1158	611	547	112
*Arazi Tamphat	336	336	0	0	1336	671	665	101
*Azizullah	1077	1076	0	1	4314	2147	2167	99
Munshi Para	203	203	0	0	781	395	386	102
Tali Para	147	147	0	0	536	273	263	104
Saha Para	267	267	0	0	1007	483	524	92
Madhyapara	132	132	0	0	550	276	274	101
Jola Para	102	102	0	0	413	210	203	103
Thatari Para	118	118	0	0	532	268	264	102
Hindu Para	108	107	0	1	495	242	253	96
*Hossain Nagar	415	415	0	0	1598	788	810	97
Bogurai Para	265	265	0	0	1036	499	537	93
Hindu Para	150	150	0	0	562	289	273	106
*Khurda Rangpur (Part)	246	246	0	0	1049	502	547	92
*Khurda Tamphat	918	884	0	34	4314	2495	1819	137
*Mandira	786	786	0	0	3140	1548	1592	97
Purba Mandira	189	189	0	0	773	387	386	100
Paschim Mandira	144	144	0	0	588	288	300	96
Madhya Mandira	234	234	0	0	921	460	461	100
Uttar Mandira	110	110	0	0	449	221	228	97
Dakshin Mandira	109	109	0	0	409	192	217	88
*Mekura	992	992	0	0	3813	1875	1938	97
Baniatari	80	80	0	0	281	144	137	105

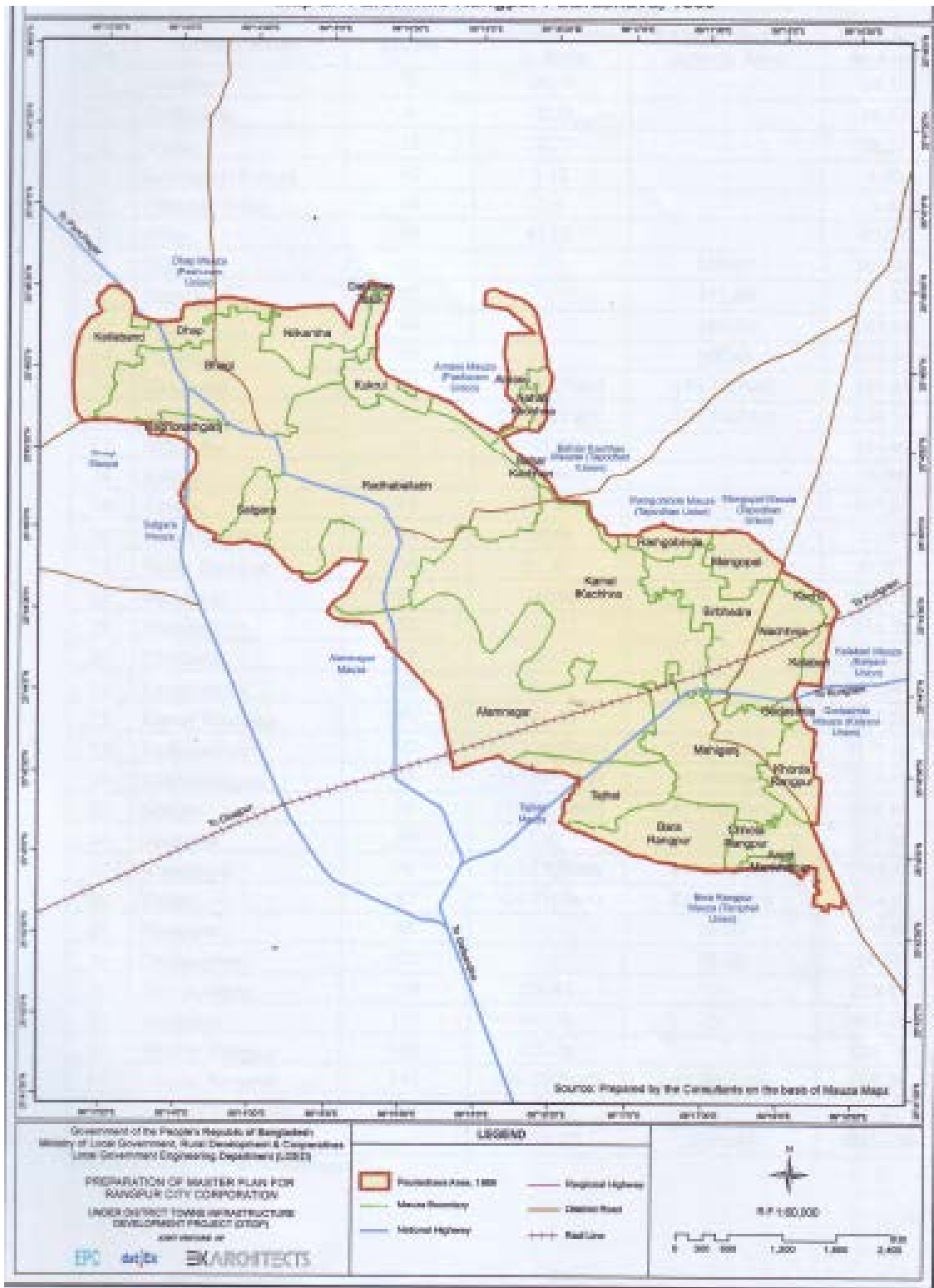
Administrative Unit Residence Community	Households				Population			Sex Ratio
	Total	General	Institu- tional	Others	Both	Male	Female	
1	2	3	4	5	6	7	8	9
Bola Para	181	181	0	0	684	337	347	97
Madhyapara	236	236	0	0	929	436	493	88
Kona Para (Madorasha Para)	177	177	0	0	716	358	358	100
Bedoa Para (Sundar Para)	93	93	0	0	358	182	176	103
Nayatari	129	129	0	0	512	254	258	98
Pathantari	96	96	0	0	333	164	169	97
*Nagar Mirganj	262	260	0	2	1110	561	549	102
*Bara Rangpur (Part)	386	386	0	0	1665	832	833	100
*Chhota Rangpur	274	273	0	1	1058	504	554	91
*Raju Khan	226	226	0	0	850	430	420	102
*Taluk Bakchi	750	748	0	2	3037	1523	1514	101
*Taluk Dharmadas	1817	1799	7	11	7824	3963	3861	103
Milan Para (Masjid Par	382	375	0	7	1678	856	822	104
Baro Aulia	445	438	6	1	2111	1074	1037	104
Sardar Para	148	148	0	0	548	277	271	102
Lakshman Para	310	310	0	0	1248	637	611	104
Baman Para	170	170	0	0	713	335	378	89
Kabiraj Para	106	106	0	0	404	192	212	91
Dola Para	256	252	1	3	1122	592	530	112
*Taluk Raghu	246	245	0	1	917	452	465	97
Basunia Para	125	124	0	1	478	237	241	98
Bhatia Para	121	121	0	0	439	215	224	96
*Taluk Tamphat	736	735	0	1	2892	1442	1450	99
Chandanpat Union Total	358	358	0	0	1635	820	815	
*Jalkaria	358	358	0	0	1635	820	815	101
Bhabanipur	93	93	0	0	448	221	227	97
Jalkaria	265	265	0	0	1187	599	588	102
Haridebpur Union Total	2527	2527	0	0	10214	5155	5059	
*Gangahari	183	183	0	0	759	374	385	97
*Manthana	911	911	0	0	3676	1871	1805	104
Jola Para	242	242	0	0	990	509	481	106
Patbari (Mandal Para)	669	669	0	0	2686	1362	1324	103
*Ratirampur	1433	1433	0	0	5779	2910	2869	101
Bania Para	435	435	0	0	1827	925	902	103
Pirpara	120	120	0	0	470	228	242	94
Dakshinpara	120	120	0	0	498	226	272	83
Purbapara	402	402	0	0	1537	783	754	104
Dalal Para	240	240	0	0	992	511	481	106
Derhalia	116	116	0	0	455	237	218	109
Kalyani Union Total	611	607	1	3	2781	1395	1386	
*Goda Simla	274	271	0	3	1232	598	634	94
*Kalabari	337	336	1	0	1549	797	752	106
Grand Total	132921	131048	155	1718	585,049	298,412	286,637	

Source : Bangladesh Bureau of Statistics (BBS) Population Census 2011

Note: S.P Note : Previous Rangpur Pourosova has 15 words. New City Corporation is corporated desoving with the erstwhile pourosova. With this introduction the area of the existing pouroshava is extended and the area is merged to CC by 33 wards. Unfortunately clear cut ward area demarkation is not arranged. Due to this reason we are mentining the Unions and Mouzas amalgated in the CC.

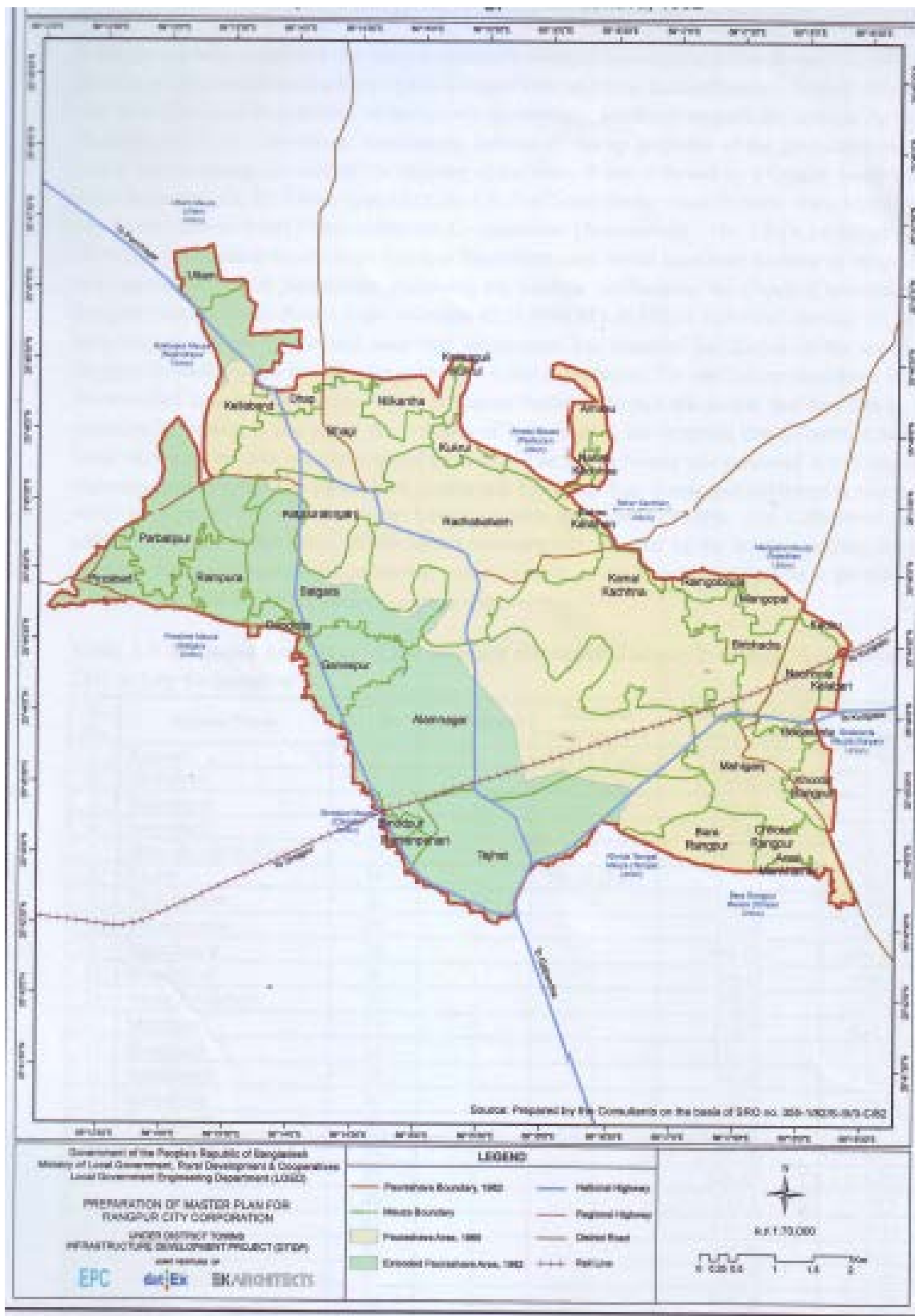
Annex B-2: Historical Changes of RpCC

Map 1: Erstwhile Rangpur PS, 1869



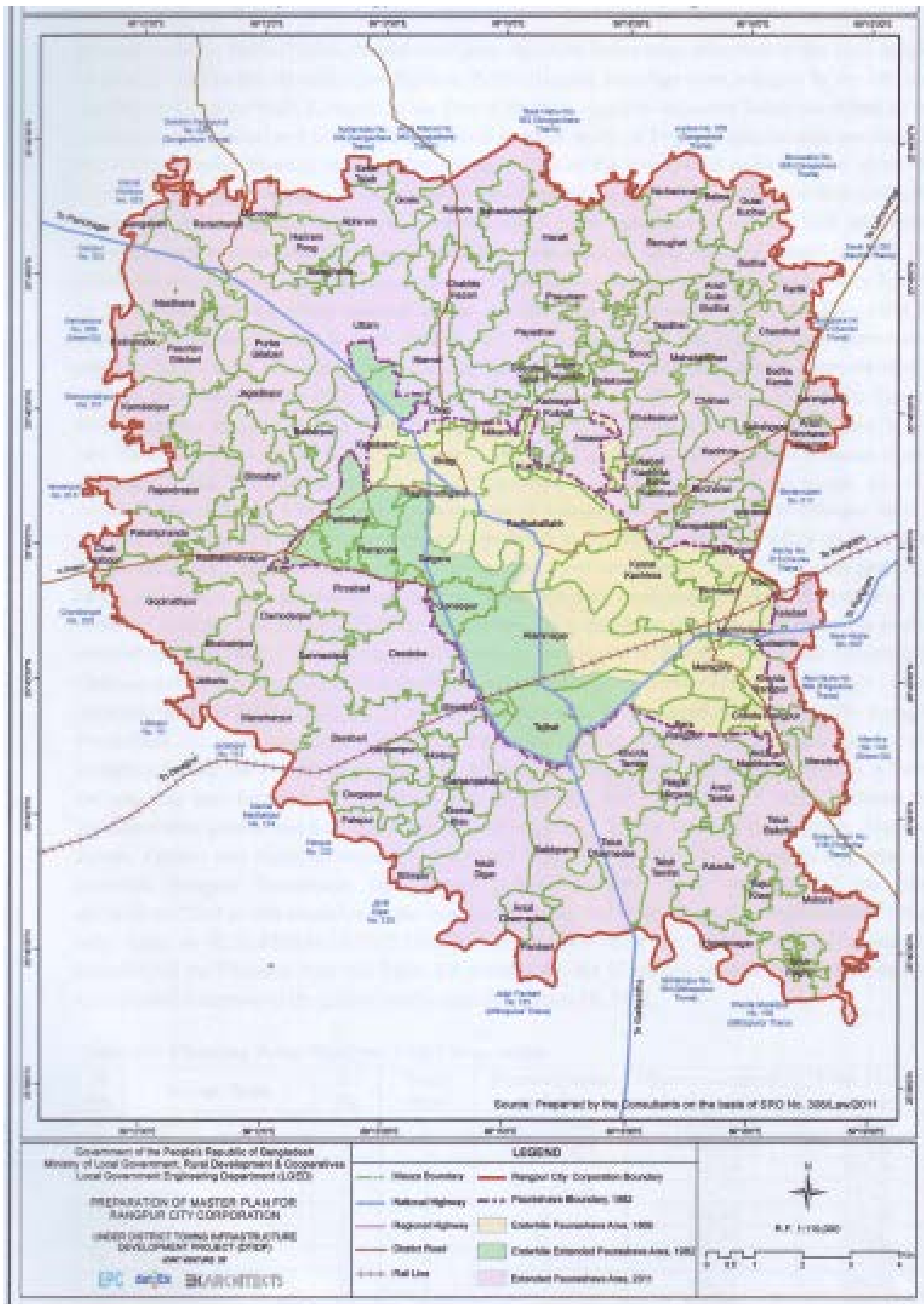
Source: Planning Area Report, 2012, RpCC

Map 2: Erstwhile Rangpur PS, 1982



Source: Planning Area Report, 2012, RpCC

Map 3: Rangpur City Corporation, 2012



Source: Planning Area Report, 2012, RpCC

Annex D-1: Inclusive List of Infrastructure Development in RpCC

Summary Sheet

SL No	Name of Sub Sector	Cost (BTK In Crore)	Remarks
1	Road	656.92	
2	Drain	686.21	
3	Water Supply	62.10	
4	Bus, Coach & Truck Terminal	32.00	
5	Solid Waste Management	18.80	
6	Kitchen Market	13.30	
7	Sanitation (Public toilet & Slaughter House)	10.50	
8	Recreation Facilities	110.00	
9	Building	130.00	
10	Super Market	41.00	
11	Street Light	159.00	
12	Bridges	199.40	
Total =		2119.23	

(1) Road

No.	Scheme Name	Work Category	Level of Work	Location		Unit	Qty	Cost*	Previous Study	Description	Source of Fund
				Area Name	No. on map						
1	Improvement of road from Pruba Manthana H/O Ekhamul to Mondolpara Golakata bridge	ISG, AS,WBM with BC Road	New Construction	Ward no. 01		m	2000.00	1.80	NA	New Construction, no land acquisition & no resettlement required	JICA
2	Improvement of road from Rangpur Syedpur road to Gongahari Primary school	ISG, AS,WBM with BC Road	New Construction	Ward no. 01		m	1350.00	1.20	NA	New Construction, no land acquisition & no resettlement required	JICA
3	Improvement of road from Showrapara H/O Mohuber to Hazir Choudhury hat road	ISG, AS,WBM with BC Road	New Construction	Ward no. 01		m	2050.00	1.85	NA	New Construction, no land acquisition & no resettlement required	JICA
4	Improvement of road from Hazirhat Burarhat road to Monohar road	ISG, AS,WBM with BC Road	New Construction	Ward no. 01		m	1450.00	1.30	NA	New Construction, no land acquisition & no resettlement required	JICA
5	Improvement of road from Rangpur Syedpur road to Hazir Burirhat road	ISG, AS,WBM with BC Road	New Construction	Ward no. 01		m	1300.00	1.17	NA	New Construction, no land acquisition & no resettlement required	JICA
6	Improvement of road from Baroghoria to Kellabond Jame Mosque	ISG, AS,WBM with BC Road	New Construction	Ward no. 01		m	2500.00	2.25	NA	New Construction, no land acquisition & no resettlement required	JICA
7	Improvement of road from Purba Oviram H/O Mofel to Senpara more via Goalu Natun para	ISG, AS,WBM with BC Road	New Construction	Ward no. 01		m	3000.00	2.70	NA	New Construction, no land acquisition & no resettlement required	JICA
8	Improvement of road from Purba Monthona to Gilabari	ISG, AS,WBM with BC Road	New Construction	Ward no. 01		m	2700.00	2.43	NA	New Construction, no land acquisition & no resettlement required	JICA
9	Improvement of road from Syedpur road to Hazirhat to Forkania madrasa to Uttam hazipara to H/O Rafique member	ISG, AS,WBM with BC Road	New Construction	Ward no. 01		m	3500.00	3.15	NA	New Construction, no land acquisition & no resettlement required	JICA
10	Improvement of road from Syedpur road H/O Shahider to H/O altaf Dariar to Master Bari to H/O Batul	ISG, AS,WBM with BC Road	New Construction	Ward no. 01		m	2000.00	1.80	NA	New Construction, no land acquisition & no resettlement required	JICA
11	Improvement of road from Syedpur road Muchir more to H/O Shahanat Baburchi to H/O Atier Contractor to H/O Tuku Mia	ISG, AS,WBM with BC Road	New Construction	Ward no. 01		m	4000.00	3.60	NA	New Construction, no land acquisition & no resettlement required	JICA
12	Improvement of road from Gongachara road to Battar bill Binnatari	WBM with BC Road	Rehabilitation/ Upgrading	Ward no. 02		m	2400.00	2.16	NA	Rehabilitation by BC Pavement	B MDF

No.	Scheme Name	Work Category	Level of Work	Location		Unit	Qty	Cost*	Previous Study	Description	Source of Fund
				Area Name	No. on map						
13	Improvement of road from Burirhat road to Monohar road	ISG, AS,WBM with BC Road	New Construction	Ward no. 02		m	2900.00	2.61	NA	New Construction, no land acquisition & no resettlement required	JICA
14	Improvement of road from Burirhat road Kellbond Kachari to H/O Azizer	ISG, AS,WBM with BC Road	New Construction	Ward no. 02		m	1300.00	1.17	NA	New Construction, no land acquisition & no resettlement required	JICA
15	Improvement of road from Burirhat road Piraj Jame Mosque to Kalia bridge	ISG, AS,WBM with BC Road	New Construction	Ward no. 02		m	1250.00	1.13	NA	New Construction, no land acquisition & no resettlement required	JICA
16	Improvement of road from Monohar hat to Mohubae Chatal	ISG, AS,WBM with BC Road	New Construction	Ward no. 02		m	1800.00	1.62	NA	New Construction, no land acquisition & no resettlement required	JICA
17	Improvement of Syedpor to Purba Monthana road.	ISG, AS,WBM with BC Road	New Construction	Ward no. 02		m	2000.00	1.80	NA	New Construction, no land acquisition & no resettlement required	JICA
18	Improvement of road from Uttam Partex Co more to pucca road near Kamal Co.	ISG, AS,WBM with BC Road	New Construction	Ward no. 03		m	1500.00	1.35	NA	New Construction, no land acquisition & no resettlement required	JICA
19	Improvement of road from Uttam H/O Azizer to Baniapara Jame Mosqe	ISG, AS,WBM with BC Road	New Construction	Ward no. 03		m	2200.00	1.98	NA	New Construction, no land acquisition & no resettlement required	JICA
20	Improvement of road from Uttam Fakirpara H/O Arial to Uttam Purbapara Eidgah	ISG, AS,WBM with BC Road	New Construction	Ward no. 03		m	1200.00	1.08	NA	New Construction, no land acquisition & no resettlement required	JICA
21	Improvement of road from Khabir Chairman chatal to H/O Azizer	WBM with BC Road	Rehabilitation/ Upgrading	Ward no. 03		m	1100.00	0.99	NA	Rehabilitation by BC Pavement	BMDF
22	Improvement of road from Sit Kellabond road to H/O Afzalul	ISG, AS,WBM with BC Road	New Construction	Ward no. 03		m	1300.00	1.17	NA	New Construction, no land acquisition & no resettlement required	JICA
23	Improvement of road from Burirhat road Pander Dighi H/O Engr Amin to H/O Mazhari dewan to H/O rabial	ISG, AS,WBM with BC Road	New Construction	Ward no. 03		m	700.00	0.63	NA	New Construction, no land acquisition & no resettlement required	BMDF
24	Improvement of road from west side of Kadam Bazar toFakirpara H/O Mohuber	WBM with BC Road	Rehabilitation/ Upgrading	Ward no. 03		m	600.00	0.54	NA	Rehabilitation by BC Pavement	ADP
25	Improvement of road from H/O Mohuber to H/O Awal	ISG, AS,WBM with BC Road	New Construction	Ward no. 03		m	800.00	0.72	NA	New Construction, no land acquisition & no resettlement required	BMDF
26	Improvement of road from South side of	ISG, AS,WBM with	New	Ward no. 03		m	600.00	0.54	NA	New Construction, no	JICA

No.	Scheme Name	Work Category	Level of Work	Location		Unit	Qty	Cost*	Previous Study	Description	Source of Fund
				Area Name	No. on map						
	Uttam Boshunia Jame Mosque to H/O Alam to Bashunia para 2nd Jame Mosque	BC Road	Construction							land acquisition & no resettlement required	
27	Improvement of road from South side of Uttam Boshunia Jame Mosque to H/O Alam to Bashunia para 2nd Jame Mosque to H/O Nurul Hazi to H/O yasin	ISG, AS,WBM with BC Road	New Construction	Ward no. 03		m	1000.00	0.90	NA	New Construction, no land acquisition & no resettlement required	JICA
28	Improvement of road from H/O ahmed Master to Uttam Bashuniapara to Antaram Dighi	ISG, AS,WBM with BC Road	New Construction	Ward no. 03		m	1000.00	0.90	NA	New Construction, no land acquisition & no resettlement required	JICA
29	Improvement of road from Shop of Farook to Uttam High School to H/o Ahmed Master	WBM with BC Road	Rehabilitation/Upgrading	Ward no. 03		m	1000.00	0.70	NA	Rehabilitation by BC Pavement	BMDF
30	Improvement of road from C.O Bazar BGB Markek to H/O Habib to Shop of Azam to H/O saidur	ISG, AS,WBM with BC Road	New Construction	Ward no. 03		m	1500.00	1.50	NA	New Construction, no land acquisition & no resettlement required	JICA
31	Improvement of road from Pander Dighi Truck Section to Bacchu Driver	WBM with BC Road	Rehabilitation/Upgrading	Ward no. 03		m	900.00	0.65	NA	Rehabilitation by BC Pavement	BMDF
32	Improvement of road from Masterpara Chowrasta more to Shop of Alal to H/O Sadikul & H/O Sobhan Army to H/O Jahurul	ISG, AS,WBM with BC Road	New Construction	Ward no. 03		m	900.00	0.80	NA	New Construction, no land acquisition & no resettlement required	JICA
33	Improvement of road from Uttam Beterpara Nurani Hafizia madrasa to H/O Habib Master to Namaz Ghao	ISG, AS,WBM with BC Road	New Construction	Ward no. 03		m	500.00	0.45	NA	New Construction, no land acquisition & no resettlement required	BMDF
34	Improvement of road from Uttam Beterpara H/O Bohidul shop to H/O Sahir Uddin via H/O Anar Uddin	ISG, AS,WBM with BC Road	New Construction	Ward no. 03		m	400.00	0.36	NA	New Construction, no land acquisition & no resettlement required	BMDF
35	Improvement of road from Uttam Beterpara Nazirer Godown to H/O Azgar to H/O Shahid Hazi	ISG, AS,WBM with BC Road	New Construction	Ward no. 03		m	3500.00	3.15	NA	New Construction, no land acquisition & no resettlement required	JICA
36	Improvement of road from Kellabond H/O Ranga babu to Moziborer Chatal	ISG, AS,WBM with BC Road	New Construction	Ward no. 03		m	300.00	0.27	NA	New Construction, no land acquisition & no resettlement required	BMDF
37	Improvement of road from Amashu Kukrul H/O Mahmud to Komor colony road	ISG, AS,WBM with BC Road	New Construction	Ward no. 04		m	2800.00	2.52	NA	New Construction, no land acquisition & no resettlement required	JICA
38	Improvement of road from Amashu Kukrul H/O Bakul to Agarar par	ISG, AS,WBM with BC Road	New Construction	Ward no. 04		m	2100.00	1.89	NA	New Construction, no land acquisition & no	JICA

No.	Scheme Name	Work Category	Level of Work	Location		Unit	Qty	Cost*	Previous Study	Description	Source of Fund
				Area Name	No. on map						
										resettlement required	
39	Improvement of road from Bala Komor Saraker par to Kaiagoli School more	ISG, AS,WBM with BC Road	New Construction	Ward no. 04		m	1900.00	1.71	NA	New Construction, no land acquisition & no resettlement required	JICA
40	Improvement of road from Khatkhtia Kali Mondir to H/O Shamol Dargi at Taltola	WBM with BC Road	Rehabilitation/Upgrading	Ward no. 04		m	2000.00	1.60	NA	Rehabilitation by BC Pavement	JICA
41	Improvement of road from Bala Komor Shop of Majedul to Balakomor Road	ISG, AS,WBM with BC Road	New Construction	Ward no. 04		m	1500.00	1.35	NA	New Construction, no land acquisition & no resettlement required	JICA
42	Improvement of road from Kamarpara H/O Noren to Khatkhatia road	ISG, AS,WBM with BC Road	New Construction	Ward no. 04		m	1600.00	1.44	NA	New Construction, no land acquisition & no resettlement required	JICA
43	Improvement of road from Zabartari road to H/O Abdul Mannan	ISG, AS,WBM with BC Road	New Construction	Ward no. 04		m	800.00	0.72	NA	New Construction, no land acquisition & no resettlement required	JICA
44	Improvement of road from Medical pucar matha Altaf Mill to H/O Goni	ISG, AS,WBM with BC Road	New Construction	Ward no. 04		m	1800.00	1.62	NA	New Construction, no land acquisition & no resettlement required	JICA
45	Improvement of road from Burirhat road to CO Bazar	ISG, AS,WBM with BC Road	New Construction	Ward no. 04		m	1500.00	1.35	NA	New Construction, no land acquisition & no resettlement required	JICA
46	Improvement of road from Shamlarhat to Bottoli via Harati	ISG, AS,WBM with BC Road	New Construction	Ward no. 4, 5		m	3000.00	2.70	NA	New Construction, no land acquisition & no resettlement required	JICA
47	Improvement of road from Khotkhotia road to canal near H/O Alam	ISG, AS,WBM with BC Road	New Construction	Ward no. 05		m	1700.00	1.53	NA	New Construction, no land acquisition & no resettlement required	JICA
48	Improvement of road from Khotkhotia H/O Montaz to H/O Khalil	ISG, AS,WBM with BC Road	New Construction	Ward no. 05		m	500.00	0.45	NA	New Construction, no land acquisition & no resettlement required	B MDF
49	Improvement of road from Chilar Jhar H/O Moshiar to Harati Primary school more	ISG, AS,WBM with BC Road	New Construction	Ward no. 05		m	1200.00	1.08	NA	New Construction, no land acquisition & no resettlement required	JICA
50	Improvement of road from Shamlar Bazar to Khlear Village	ISG, AS,WBM with BC Road	New Construction	Ward no. 05		m	1200.00	1.08	NA	New Construction, no land acquisition & no resettlement required	JICA
51	Improvement of road from Khotkhotia H/O Gai Mokbul to H/O Hasan	ISG, AS,WBM with BC Road	New Construction	Ward no. 05		m	400.00	0.36	NA	New Construction, no land acquisition & no	B MDF

No.	Scheme Name	Work Category	Level of Work	Location		Unit	Qty	Cost*	Previous Study	Description	Source of Fund
				Area Name	No. on map						
										resettlement required	
52	Improvement of road from Moubon Khamar to Nadutari kacha road	ISG, AS,WBM with BC Road	New Construction	Ward no. 05		m	1500.00	1.35	NA	New Construction, no land acquisition & no resettlement required	JICA
53	Improvement of road from Burail H/O Motiul to Gojoghonta road	ISG, AS,WBM with BC Road	New Construction	Ward no. 05		m	3000.00	2.70	NA	New Construction, no land acquisition & no resettlement required	JICA
54	Improvement of road from Burail Hat to Kochutari road	ISG, AS,WBM with BC Road	New Construction	Ward no. 05		m	4000.00	3.60	NA	New Construction, no land acquisition & no resettlement required	JICA
55	Improvement of road from Khatkhatia High School to H/O Aka Boiragi	WBM with BC Road	Rehabilitation/Upgrading	Ward no. 05		m	2100.00	1.60	NA	Rehabilitation by BC Pavement	B MDF
56	Improvement of road from new Jummapara to Burail hat	ISG, AS,WBM with BC Road	New Construction	Ward no. 05		m	3000.00	2.70	NA	New Construction, no land acquisition & no resettlement required	JICA
57	Improvement of road from Khotkhotia H/O Gai Mokbul to H/O Hasan	ISG, AS,WBM with BC Road	New Construction	Ward no. 05		m	1300.00	1.17	NA	New Construction, no land acquisition & no resettlement required	JICA
58	Improvement of road from Burir hat road to 24 Hazari	ISG, AS,WBM with BC Road	New Construction	Ward no. 06		m	1350.00	1.22	NA	New Construction, no land acquisition & no resettlement required	JICA
59	Improvement of road from Burir hat road to pucca road near H/O Shahrul	ISG, AS,WBM with BC Road	New Construction	Ward no. 06		m	1400.00	1.26	NA	New Construction, no land acquisition & no resettlement required	JICA
60	Improvement of road from Burir hat Anandalok Degree College to Bottola more	ISG, AS,WBM with BC Road	New Construction	Ward no. 06		m	1400.00	1.26	NA	New Construction, no land acquisition & no resettlement required	JICA
61	Improvement of road from Burir hat Panabond Bridge to H/O Dr. Abdul Mannan	ISG, AS,WBM with BC Road	New Construction	Ward no. 06		m	1200.00	1.08	NA	New Construction, no land acquisition & no resettlement required	JICA
62	Improvement of road from Burir hat road near Shutki Seconder to Dulal Godown.	ISG, AS,WBM with BC Road	New Construction	Ward no. 06		m	1600.00	1.44	NA	New Construction, no land acquisition & no resettlement required	JICA
63	Improvement of road from 24 Hazari Nabadip Primary school to H/O Dukhu Mia	ISG, AS,WBM with BC Road	New Construction	Ward no. 06		m	2100.00	1.89	NA	New Construction, no land acquisition & no resettlement required	JICA
64	Improvement of Road starting from Burirhat Ananda Lok Degree college near	ISG, AS,WBM with BC Road	New Construction	Ward no. 06		m	1000.00	0.90	NA	New Construction, no land acquisition & no	JICA

No.	Scheme Name	Work Category	Level of Work	Location		Unit	Qty	Cost*	Previous Study	Description	Source of Fund
				Area Name	No. on map						
	Bot Tola towards west upto Doctor Para near hose of MNoshieur Rahman Dulal (ch.00 -1000.00m)									resettlement required	
65	Improvement of Gojoghonta road.	ISG, AS,WBM with BC Road	New Construction	Ward no. 06		m	3000.00	2.70	NA	New Construction, no land acquisition & no resettlement required	JICA
66	Improvement of Burirhat road bylane.	ISG, AS,WBM with BC Road	New Construction	Ward no. 06		m	2300.00	2.07	NA	New Construction, no land acquisition & no resettlement required	JICA
67	Improvement of road from Burirhat road school to Amashu-Gojoghonta road via H/O Halam Diler	WBM with BC Road	Rehabilitation/Upgrading	Ward no. 06		m	1500.00	1.20	NA	Rehabilitation by BC Pavement	JICA
68	Improvement of road from Buddhir Bazar H/O Satta to H/O Rashid	ISG, AS,WBM with BC Road	New Construction	Ward no. 07		m	1750.00	1.57	NA	New Construction, no land acquisition & no resettlement required	JICA
69	Improvement of road from Moina Kuthi field to Kamarer dao	ISG, AS,WBM with BC Road	New Construction	Ward no. 07		m	5000.00	4.50	NA	New Construction, no land acquisition & no resettlement required	JICA
70	Improvement of road from Chorarhat road bylane Nayabazar to Cgowrabazar road	ISG, AS,WBM with BC Road	New Construction	Ward no. 07		m	1700.00	1.53	NA	New Construction, no land acquisition & no resettlement required	JICA
71	Improvement of road from Gulal Budai road Bottola to Proffessor Jame Mosque	ISG, AS,WBM with BC Road	New Construction	Ward no. 07		m	1300.00	1.17	NA	New Construction, no land acquisition & no resettlement required	JICA
72	Improvement of road from Chorarhat H/O Wadud to Proffessor Jame Mosque	ISG, AS,WBM with BC Road	New Construction	Ward no. 07		m	700.00	0.63	NA	New Construction, no land acquisition & no resettlement required	JICA
73	Improvement of road from Moina Kuthi Taler Tol to H/O Tasir Member	ISG, AS,WBM with BC Road	New Construction	Ward no. 07		m	1500.00	1.35	NA	New Construction, no land acquisition & no resettlement required	JICA
74	Improvement of road from Chorarhat to Moina Kuthi road via Moina kuthi field	ISG, AS,WBM with BC Road	New Construction	Ward no. 07		m	3200.00	2.88	NA	New Construction, no land acquisition & no resettlement required	JICA
75	Improvement of road from Haragach road bylane Shimuler tol to Boksha Jame Mosque	ISG, AS,WBM with BC Road	New Construction	Ward no. 07		m	1200.00	1.08	NA	New Construction, no land acquisition & no resettlement required	JICA
76	Improvement of road from Budhu Komla road H/O Hafiz to Chand Kuthi	ISG, AS,WBM with BC Road	New Construction	Ward no. 08		m	3200.00	2.88	NA	New Construction, no land acquisition & no	JICA

No.	Scheme Name	Work Category	Level of Work	Location		Unit	Qty	Cost*	Previous Study	Description	Source of Fund
				Area Name	No. on map						
										resettlement required	
77	Improvement of road from Chandkuthi Sadbazar to ruveler Bazar	ISG, AS,WBM with BC Road	New Construction	Ward no. 08		m	1600.00	1.44	NA	New Construction, no land acquisition & no resettlement required	JICA
78	Improvement of road from Al Mohazer para H/O Dr. par to Hazipara Bazar road	ISG, AS,WBM with BC Road	New Construction	Ward no. 08		m	2300.00	2.07	NA	New Construction, no land acquisition & no resettlement required	JICA
79	Improvement of road from Vatiary road Mohabbat Kha Govt. Primary School to Fulamer more	ISG, AS,WBM with BC Road	New Construction	Ward no. 08		m	2200.00	1.98	NA	New Construction, no land acquisition & no resettlement required	JICA
80	Improvement of road from Uttamkuthi road Tapodhan UP road to Chilmon Chowrasta Bazar	ISG, AS,WBM with BC Road	New Construction	Ward no. 08		m	1400.00	1.26	NA	New Construction, no land acquisition & no resettlement required	JICA
81	Improvement of road from Chandkuthi road to Hazir Bazar via Bodhukamla	ISG, AS,WBM with BC Road	New Construction	Ward no. 08		m	2200.00	1.98	NA	New Construction, no land acquisition & no resettlement required	JICA
82	Improvement of road from Mohabbat kha School to Ful Amartol	ISG, AS,WBM with BC Road	New Construction	Ward no. 08		m	2000.00	1.80	NA	New Construction, no land acquisition & no resettlement required	JICA
83	Improvement of road from Mohabbat Kha School to Boro Mosque via Ruceler Bazar	ISG, AS,WBM with BC Road	New Construction	Ward no. 08		m	3500.00	3.15	NA	New Construction, no land acquisition & no resettlement required	JICA
84	Improvement of road from Chandkuthi Bazar to Pakhira Bridge via Zaigirtari	ISG, AS,WBM with BC Road	New Construction	Ward no. 08		m	2700.00	2.43	NA	New Construction, no land acquisition & no resettlement required	JICA
85	Improvement of road from Chandkuthi Halipad to H/O Mohabbat Kha	ISG, AS,WBM with BC Road	New Construction	Ward no. 08		m	1300.00	1.17	NA	New Construction, no land acquisition & no resettlement required	JICA
86	Improvement of road from Haragach road bylane Kakina road to Botola road	ISG, AS,WBM with BC Road	New Construction	Ward no. 09		m	1500.00	1.35	NA	New Construction, no land acquisition & no resettlement required	JICA
87	Improvement of road from Balatari road H/O Shapan to Balatary BC road	ISG, AS,WBM with BC Road	New Construction	Ward no. 09		m	600.00	0.54	NA	New Construction, no land acquisition & no resettlement required	JICA
88	Improvement of road from Haragach road bylane H/O Dr. Shaheder to Mohishlar more	ISG, AS,WBM with BC Road	New Construction	Ward no. 09		m	2300.00	2.07	NA	New Construction, no land acquisition & no resettlement required	JICA
89	Improvement of road from Hazipara	ISG, AS,WBM with	New	Ward no. 09		m	600.00	0.54	NA	New Construction, no	JICA

No.	Scheme Name	Work Category	Level of Work	Location		Unit	Qty	Cost*	Previous Study	Description	Source of Fund
				Area Name	No. on map						
	Govt. Primary School to Chowkiderer more	BC Road	Construction							land acquisition & no resettlement required	
90	Improvement of road from Haragach road bylane Shop of Shariful to Mohisher more	ISG, AS,WBM with BC Road	New Construction	Ward no. 09		m	1800.00	1.62	NA	New Construction, no land acquisition & no resettlement required	JICA
91	Improvement of road from Chilmon road Shahebgonj Bazar to Chilmon Chowrasta road	ISG, AS,WBM with BC Road	New Construction	Ward no. 09		m	1700.00	1.53	NA	New Construction, no land acquisition & no resettlement required	JICA
92	Improvement of road from Kishamot road Topodhan road bylane to Abdul Kader road	ISG, AS,WBM with BC Road	New Construction	Ward no. 09		m	900.00	0.81	NA	New Construction, no land acquisition & no resettlement required	JICA
93	Improvement of Road starting from H/O. Moulana Syed at Cigarette co. road upto H/O. Mr. Salam	ISG, AS,WBM with BC Road	New Construction	Ward no. 09		m	600.00	0.54	NA	New Construction, no land acquisition & no resettlement required	BMDF
94	Improvement of Shahebgonj road bylane	ISG, AS,WBM with BC Road	New Construction	Ward no. 09		m	2500.00	2.25	NA	New Construction, no land acquisition & no resettlement required	JICA
95	Improvement of Baharkachna road bylane	ISG, AS,WBM with BC Road	New Construction	Ward no. 09		m	3000.00	2.70	NA	New Construction, no land acquisition & no resettlement required	JICA
96	Improvement of Bara Bazar road & bylane	ISG, AS,WBM with BC Road	New Construction	Ward no. 09		m	3000.00	2.70	NA	New Construction, no land acquisition & no resettlement required	JICA
97	Improvement of road from Topodhan to Sahebpur bazar	ISG, AS,WBM with BC Road	New Construction	Ward no. 09		m	3000.00	2.70	NA	New Construction, no land acquisition & no resettlement required	JICA
98	Improvement of Topodhan road & bylane	ISG, AS,WBM with BC Road	New Construction	Ward no. 10		m	3000.00	2.70	NA	New Construction, no land acquisition & no resettlement required	JICA
99	Improvement of road from Jagadishpur road bylane Jagadish road to Masuapara road & Panbazar road to Jagadishpur road.	ISG, AS,WBM with BC Road	New Construction	Ward no. 10		m	1900.00	1.71	NA	New Construction, no land acquisition & no resettlement required	JICA
100	Improvement of road from West Gilabari road H/O Tajul to H/O Hemonta	ISG, AS,WBM with BC Road	New Construction	Ward no. 10		m	2100.00	1.89	NA	New Construction, no land acquisition & no resettlement required	JICA
101	Improvement of road from Eastt Gilabari road Jagadishpur Health Complex to Baoaiapara bridge	ISG, AS,WBM with BC Road	New Construction	Ward no. 10		m	3400.00	3.06	NA	New Construction, no land acquisition & no resettlement required	JICA

No.	Scheme Name	Work Category	Level of Work	Location		Unit	Qty	Cost*	Previous Study	Description	Source of Fund
				Area Name	No. on map						
102	Improvement of road from Panbazar road bylane Chaderhat to H/O Mr. Nuruzzaman	ISG, AS,WBM with BC Road	New Construction	Ward no. 10		m	3000.00	2.70	NA	New Construction, no land acquisition & no resettlement required	JICA
103	Improvement of road from Derhalia road Kandeypur Eidgah more to Badher Bridge	ISG, AS,WBM with BC Road	New Construction	Ward no. 10		m	2300.00	2.07	NA	New Construction, no land acquisition & no resettlement required	JICA
104	Improvement of road starting from Adarshagram Chairman's moure at Baktiarpur up to CO Bazar Chowrapara road via masuapara & Uchatari	ISG, AS,WBM with BC Road	New Construction	Ward no. 10		m	3000.00	2.70	NA	New Construction, no land acquisition & no resettlement required	JICA
105	Improvement of road from Keranirhat Saw mill to Keranirhat road	ISG, AS,WBM with BC Road	New Construction	Ward no. 11		m	1900.00	1.71	NA	New Construction, no land acquisition & no resettlement required	JICA
106	Improvement of road from East Rajendrapur Mostapur road Primary School to Nazirerhat road	ISG, AS,WBM with BC Road	New Construction	Ward no. 11		m	1500.00	1.35	NA	New Construction, no land acquisition & no resettlement required	JICA
107	Improvement of road from East Rajendrapur Napitpara road to Laksmir Mill	ISG, AS,WBM with BC Road	New Construction	Ward no. 11		m	1200.00	1.08	NA	New Construction, no land acquisition & no resettlement required	JICA
108	Improvement of road from Panbazar road bylane Danghat Masterpara road Panbazar to H/O Protap Babu & H/O Gogendranath to Panbazar	ISG, AS,WBM with BC Road	New Construction	Ward no. 11		m	1200.00	1.08	NA	New Construction, no land acquisition & no resettlement required	JICA
109	Improvement of road from Kamdevpur road H/O Councilor Abdur Razzak to Kamdevpur road	ISG, AS,WBM with BC Road	New Construction	Ward no. 11		m	1300.00	1.17	NA	New Construction, no land acquisition & no resettlement required	JICA
110	Improvement of road from Badargonj road bylane Badargonj road to Shalmara road	ISG, AS,WBM with BC Road	New Construction	Ward no. 11		m	1200.00	1.08	NA	New Construction, no land acquisition & no resettlement required	JICA
111	Improvement of road from Nazirer hat to Napitpara Parathi Sharathi Mondir	ISG, AS,WBM with BC Road	New Construction	Ward no. 11		m	1300.00	1.17	NA	New Construction, no land acquisition & no resettlement required	JICA
112	Improvement of road from Napitpara road bylane Napitpara to Shalamara road	ISG, AS,WBM with BC Road	New Construction	Ward no. 11		m	3500.00	3.15	NA	New Construction, no land acquisition & no resettlement required	JICA
113	Improvement of road from Nazirer hat road bylane H/O Rathindra Chandra to H/O Bidya Thakur	ISG, AS,WBM with BC Road	New Construction	Ward no. 11		m	600.00	0.54	NA	New Construction, no land acquisition & no resettlement required	JICA

No.	Scheme Name	Work Category	Level of Work	Location		Unit	Qty	Cost*	Previous Study	Description	Source of Fund
				Area Name	No. on map						
114	Improvement of road from Shalmara road bylane Gongadashpara road H/O Mintu to H/O Mr. Azizul	ISG, AS,WBM with BC Road	New Construction	Ward no. 11		m	1200.00	1.08	NA	New Construction, no land acquisition & no resettlement required	JICA
115	Improvement of road from Kanpara road to Panbazar road	ISG, AS,WBM with BC Road	New Construction	Ward no. 11		m	2500.00	2.25	NA	New Construction, no land acquisition & no resettlement required	JICA
116	Improvement of Cantonment-Pan bazar Bylane starting from south of Ghatar par bridge to Kutipara via Jugitari road (Chottapara)	ISG, AS,WBM with BC Road	New Construction	Ward no. 11		m	2000.00	1.80	NA	New Construction, no land acquisition & no resettlement required	JICA
117	Improvement of road from Rangpur Cantonment to Pan bazar road.	ISG, AS,WBM with BC Road	New Construction	Ward no. 11		m	5500.00	4.95	NA	New Construction, no land acquisition & no resettlement required	JICA
118	Improvement of road from Shampur road to Murgir Farm via H/O Hamid Cashier & H/O Dhakaia	ISG, AS,WBM with BC Road	New Construction	Ward no. 11		m	1500.00	1.35	NA	New Construction, no land acquisition & no resettlement required	JICA
119	Improvement of road from Hazir hat to Keranir hat road	ISG, AS,WBM with BC Road	New Construction	Ward no. 02, 11		m	4000.00	3.60	NA	New Construction, no land acquisition & no resettlement required	JICA
120	Improvement of road from Nazirer hat to Radha krishnapur	ISG, AS,WBM with BC Road	New Construction	Ward no. 11		m	2000.00	1.80	NA	New Construction, no land acquisition & no resettlement required	JICA
121	Improvement of road from Badargonj road bylane Chalk Isubpur Primary School to Shalamara road	ISG, AS,WBM with BC Road	New Construction	Ward no. 12		m	1500.00	1.35	NA	New Construction, no land acquisition & no resettlement required	JICA
122	Improvement of road from Badargonj road bylane Golden Cold Storage to Shalmara road	ISG, AS,WBM with BC Road	New Construction	Ward no. 12		m	1000.00	0.90	NA	New Construction, no land acquisition & no resettlement required	JICA
123	Improvement of road from Badargonj road bylane West Gopnathpur forkania Madrasa & Eidgah road	ISG, AS,WBM with BC Road	New Construction	Ward no. 12		m	2000.00	1.80	NA	New Construction, no land acquisition & no resettlement required	JICA
124	Improvement of road from West Gopnathpur road H/O Fattar Mia to H/O Badsha Mia	ISG, AS,WBM with BC Road	New Construction	Ward no. 12		m	1500.00	1.35	NA	New Construction, no land acquisition & no resettlement required	JICA
125	Improvement of road from Radha Krishnapur road H/O abu Seken to Kashem Bazar Shampur road	ISG, AS,WBM with BC Road	New Construction	Ward no. 12		m	4000.00	3.60	NA	New Construction, no land acquisition & no resettlement required	JICA
126	Improvement of road from Shampur road	ISG, AS,WBM with	New	Ward no. 12		m	2000.00	1.80	NA	New Construction, no	JICA

No.	Scheme Name	Work Category	Level of Work	Location		Unit	Qty	Cost*	Previous Study	Description	Source of Fund
				Area Name	No. on map						
	bylane Bhatar Mosque to Badargonj road Shimultola	BC Road	Construction							land acquisition & no resettlement required	
127	Improvement of road from Cantenment 2 nos. checkpost to Guch-chha gram via Madrasa.	ISG, AS,WBM with BC Road	New Construction	Ward no. 13		m	2000.00	1.80	NA	New Construction, no land acquisition & no resettlement required	JICA
128	Improvement of Nisbetgonj road bylane	ISG, AS,WBM with BC Road	New Construction	Ward no. 13		m	3000.00	2.70	NA	New Construction, no land acquisition & no resettlement required	JICA
129	Improvement of Jugipara road & bylane	ISG, AS,WBM with BC Road	New Construction	Ward no. 13		m	2500.00	2.25	NA	New Construction, no land acquisition & no resettlement required	JICA
130	Improvement of road from Pirjabad Chowrasta to President more	ISG, AS,WBM with BC Road	New Construction	Ward no. 13		m	500.00	0.45	NA	New Construction, no land acquisition & no resettlement required	JICA
131	Improvement of road from Pirjabad Rahamatia Jame Mosque to Chowrasta more	ISG, AS,WBM with BC Road	New Construction	Ward no. 13		m	500.00	0.45	NA	New Construction, no land acquisition & no resettlement required	JICA
132	Improvement of road from Satgara Mohirer more to Barabari Hat	ISG, AS,WBM with BC Road	New Construction	Ward no. 13		m	5000.00	4.50	NA	New Construction, no land acquisition & no resettlement required	JICA
133	Improvement of road from Kalai Khaoar Dighi to Shop of Mukul	ISG, AS,WBM with BC Road	New Construction	Ward no. 13		m	400.00	0.36	NA	New Construction, no land acquisition & no resettlement required	JICA
134	Improvement of road from Jugipara Belaler more to Maserbari pucca road	ISG, AS,WBM with BC Road	New Construction	Ward no. 13		m	1200.00	1.08	NA	New Construction, no land acquisition & no resettlement required	JICA
135	Improvement of road from H/O Banier to H/O Shapan	ISG, AS,WBM with BC Road	New Construction	Ward no. 13		m	1500.00	1.35	NA	New Construction, no land acquisition & no resettlement required	JICA
136	Improvement of road from H/O azizer Driver to Shop of Babu	ISG, AS,WBM with BC Road	New Construction	Ward no. 13, 14		m	1500.00	1.35	NA	New Construction, no land acquisition & no resettlement required	JICA
137	Improvement of road from Monoharpur Uttarpara road to H/O Azizul	ISG, AS,WBM with BC Road	New Construction	Ward no. 14		m	1700.00	1.53	NA	New Construction, no land acquisition & no resettlement required	JICA
138	Improvement of Monoharpur road & bylane	ISG, AS,WBM with BC Road	New Construction	Ward no. 14		m	2200.00	1.98	NA	New Construction, no land acquisition & no resettlement required	JICA

No.	Scheme Name	Work Category	Level of Work	Location		Unit	Qty	Cost*	Previous Study	Description	Source of Fund
				Area Name	No. on map						
139	Improvement of Satgara Up to Golagonj hat.	ISG, AS,WBM with BC Road	New Construction	Ward no. 14		m	2700.00	2.43	NA	New Construction, no land acquisition & no resettlement required	JICA
140	Rehabilitation of road from central Bus stand to Barobari hat road	ISG, AS,WBM with BC Road	New Construction	Ward no. 14		m	4000.00	3.60	NA	New Construction, no land acquisition & no resettlement required	JICA
141	Improvement of road from 20 Megawatt to Morishtari Barobari pucca road	ISG, AS,WBM with BC Road	New Construction	Ward no. 14		m	1500.00	1.35	NA	New Construction, no land acquisition & no resettlement required	JICA
142	Improvement of Badargonj road bylane.	ISG, AS,WBM with BC Road	New Construction	Ward no. 14		m	2000.00	1.80	NA	New Construction, no land acquisition & no resettlement required	JICA
143	Improvement of road from Darshana more to Sutra Jame Mosque	ISG, AS,WBM with BC Road	New Construction	Ward no. 15		m	550.00	0.50	NA	New Construction, no land acquisition & no resettlement required	BMDF
144	Improvement of road from Akkelpur Bottola to Akkelpur Kacha road	ISG, AS,WBM with BC Road	New Construction	Ward no. 15		m	1100.00	0.99	NA	New Construction, no land acquisition & no resettlement required	JICA
145	Improvement of road from Harirampur H/O Shamsul to Bhurarghat Hafizer Mill	ISG, AS,WBM with BC Road	New Construction	Ward no. 15		m	2500.00	2.25	NA	New Construction, no land acquisition & no resettlement required	JICA
146	Improvement of road from Binodpur Kishan Cold Storage to Akkelpur High school	ISG, AS,WBM with BC Road	New Construction	Ward no. 15		m	1000.00	0.90	NA	New Construction, no land acquisition & no resettlement required	JICA
147	Improvement of road from Modern more Dimond Hotel to R.K road Shutki Godown	ISG, AS,WBM with BC Road	New Construction	Ward no. 15		m	1200.00	1.08	NA	New Construction, no land acquisition & no resettlement required	JICA
148	Improvement of road Nishbetgonj to Bhurarghat bridge via Satgara.	ISG, AS,WBM with BC Road	New Construction	Ward no. 13,15		m	3000.00	2.70	NA	New Construction, no land acquisition & no resettlement required	JICA
149	Improvement of Bhurarghat road.	WBM with BC Road	Rehabilitation/Upgrading	Ward no. 13,15		m	2500.00	1.60	NA	Rehabilitation by BC Pavement	JICA
150	Improvement of road beside Circuit House & Lane RG Hospiral	WBM with BC Road	Rehabilitation/Upgrading	Ward no. 16		m	1500.00	0.90	NA	Rehabilitation by BC Pavement	ADP
151	Improvement of road from BGB Market to Sayedpur raod via H/O Jernalist Mukul & Uttam School	WBM with BC Road	Rehabilitation/Upgrading	Ward no. 16		m	2000.00	1.20	NA	Rehabilitation by BC Pavement	JICA
152	Improvement of road from Kellabond	WBM with BC	Rehabilitation/	Ward no. 16		m	2100.00	1.26	NA	Rehabilitation by BC	JICA

No.	Scheme Name	Work Category	Level of Work	Location		Unit	Qty	Cost*	Previous Study	Description	Source of Fund
				Area Name	No. on map						
	Mosque towards East Upto Hazipara more via H/O Julekha & ex Councillir Nur Mohammad	Road	Upgrading							Pavement	
153	Improvement of road from South kellabond H/O Moti to Sluice Gate to Fuel Pump & link H/O Mistry Azgar to Mobaras Saw Mill & Sluice Gate to CO Bazar	WBM with BC Road	Rehabilitation/Upgrading	Ward no. 16		m	2800.00	1.68	NA	Rehabilitation by BC Pavement	JICA
154	Improvement of road from Syedpur road H/O Hafez towtrds west ex Councillor Nurul haque ti Madrasa to BCIC road & Link South side of H/O Nurul Haque & Back side of Brac Office	ISG, AS,WBM with BC Road	New Construction	Ward no. 16		m	2000.00	1.80	NA	New Construction, no land acquisition & no resettlement required	JICA
155	Improvement of road from Burirhat to Lalkuthi more to Check post & link upto H/O Uzzal	WBM with BC Road	Rehabilitation/Upgrading	Ward no. 16		m	1500.00	0.90	NA	Rehabilitation by BC Pavement	JICA
156	Improvement of road from Dhap Police Fari to Sena Auditorium & link Ridam clinic & H/O Ratan	WBM with BC Road	Rehabilitation/Upgrading	Ward no. 16		m	1100.00	0.77	NA	Rehabilitation by BC Pavement	JICA
157	Improvement of Shap Shyamoli Lane	WBM with BC Road	Rehabilitation/Upgrading	Ward no. 16		m	900.00	0.56	NA	Rehabilitation by BC Pavement	ADP
158	Improvement of road from Vogibala para Checkpost towards east upto Mosque of Nasimuddin via Laky para.	WBM with BC Road	Rehabilitation/Upgrading	Ward no. 17		m	560.00	0.34	NA	Rehabilitation by BC Pavement	BMDF
159	Improvement of road from Shantidara Square Protap's house to house of Proffessor Lablu .	WBM with BC Road	Rehabilitation/Upgrading	Ward no. 17		m	250.00	0.15	NA	Rehabilitation by BC Pavement	ADP
160	Rehabilitation of Rampura road.	ISG, AS,WBM with BC Road	New Construction	Ward no. 17		m	1200.00	1.20	NA	Rehabilitation by BC Pavement	JICA
161	Improvement of Vogibalapara road & bylane	WBM with BC Road	Rehabilitation/Upgrading	Ward no. 17		m	3000.00	1.80	NA	New Construction, no land acquisition & no resettlement required	JICA
162	Rehabilitation of Katkipara road from Lalkuthi more to Keranipara Chwrastra	WBM with BC Road	Rehabilitation/Upgrading	Ward no. 17		m	900.00	0.54	NA	Rehabilitation by BC Pavement	JICA
163	Rehabilitation of Kalifapara road	WBM with BC Road	Rehabilitation/Upgrading	Ward no. 17		m	1200.00	0.90	NA	Rehabilitation by BC Pavement	JICA
164	Rehabilitation of road near house of Ex commissioner Mr. Ashek Ali.	WBM with BC Road	Rehabilitation/Upgrading	Ward no. 17		m	900.00	0.54	NA	Rehabilitation by BC Pavement	JICA

No.	Scheme Name	Work Category	Level of Work	Location		Unit	Qty	Cost*	Previous Study	Description	Source of Fund
				Area Name	No. on map						
165	Rehabilitation of Parbotipur School road	WBM with BC Road	Rehabilitation/Upgrading	Ward no. 17		m	600.00	0.36	NA	Rehabilitation by BC Pavement	BMDF
166	Improvement of Gohurul Islam School road at Vogibalapara	ISG, AS,WBM with BC Road	New Construction	Ward no. 17		m	2000.00	1.80	NA	New Construction, no land acquisition & no resettlement required	JICA
167	Improvement of rao from Parbotoput road to Sultan more	ISG, AS,WBM with BC Road	New Construction	Ward no. 17		m	700.00	0.60	NA	New Construction, no land acquisition & no resettlement required	ADP
168	Improvement of rao from Parbotoput road to Badargonj road	ISG, AS,WBM with BC Road	New Construction	Ward no. 17		m	1400.00	1.30	NA	New Construction, no land acquisition & no resettlement required	JICA
169	Improvement of raod from road R.K road to Rampura road via Shantidhara Mosque	WBM with BC Road	Rehabilitation/Upgrading	Ward no. 17		m	1300.00	0.90	NA	New Construction, no land acquisition & no resettlement required	MGSP
170	Improvement of RCC raod from Cantonment Check poat to R.K road near Tajhat over Shyama Sundari Canal	ISG, AS,WBM with BC Road	New Construction	Ward no. 17, 18, 20, 21, 22, 23, 24, 27, 28, 29	m	8000.00	150.00		NA	New Construction, no land acquisition & no resettlement required	JICA
171	Improvement of raod from Satgara Kamil Madrasa to MP Checkpost	ISG, AS,WBM with BC Road	Rehabilitation/Upgrading	Ward no. 17		m	3000.00	2.70	NA	New Construction, no land acquisition & no resettlement required	JICA
172	Improvement of raod from Cantonment road bylane H/O Shahider to Motiner more	ISG, AS,WBM with BC Road	Rehabilitation/Upgrading	Ward no. 17		m	5000.00	4.50	NA	New Construction, no land acquisition & no resettlement required	ADP
173	Improvement of raod from Sultan more H/O Shadhin to Badorgonj road	ISG, AS,WBM with BC Road	Rehabilitation/Upgrading	Ward no. 17		m	2000.00	1.80	NA	New Construction, no land acquisition & no resettlement required	JICA
174	Improvement of raod from Satgara H/O Shaheen to Satgara Madrasa	ISG, AS,WBM with BC Road	Rehabilitation/Upgrading	Ward no. 17		m	2000.00	1.80	NA	New Construction, no land acquisition & no resettlement required	ADP
175	Improvement of raod from Purba Vogl H/O Shahider to Nengrar more	ISG, AS,WBM with BC Road	Rehabilitation/Upgrading	Ward no. 17		m	3000.00	2.70	NA	New Construction, no land acquisition & no resettlement required	JICA
176	Improvement of raod from 2 no MP Checkpost to Misbetgonj road via H/O sujit	ISG, AS,WBM with BC Road	Rehabilitation/Upgrading	Ward no. 17		m	800.00	0.63	NA	New Construction, no land acquisition & no resettlement required	ADP
177	Improvement of raod from Pirzabad Rahmania Mosque to Shop of Salam via	ISG, AS,WBM with BC Road	Rehabilitation/Upgrading	Ward no. 17		m	2000.00	1.80	NA	New Construction, no land acquisition & no	ADP

No.	Scheme Name	Work Category	Level of Work	Location		Unit	Qty	Cost*	Previous Study	Description	Source of Fund
				Area Name	No. on map						
	H/O Jalil									resettlement required	
178	Improvement of road from Pirzabad vorka para Badargonj road to H/O Adv. Bokul via H/O Opsi	ISG, AS,WBM with BC Road	Rehabilitation/Upgrading	Ward no. 17		m	600.00	0.54	NA	New Construction, no land acquisition & no resettlement required	ADP
179	Improvement of road from Badargonj road Dargarpar to H/O Lecturer Mostafa	ISG, AS,WBM with BC Road	Rehabilitation/Upgrading	Ward no. 17		m	600.00	0.54	NA	New Construction, no land acquisition & no resettlement required	ADP
180	Improvement of road from Prime Medical College to Rampura Danbaxo	ISG, AS,WBM with BC Road	Rehabilitation/Upgrading	Ward no. 17		m	550.00	0.47	NA	New Construction, no land acquisition & no resettlement required	ADP
181	Widening of road from Kachari Bazar to Nisbetgonj road.	ISG, AS,WBM with BC Road	Widening	Ward no. 18		m	2500.00	1.10	NA	Widening, no land acquisition & no resettlement required	MGSP
182	Widening of Dewanbari road from Keramotia Mosque to Betpotty.	ISG, AS,WBM with BC Road	Widening	Ward no. 18		m	1200.00	0.60	NA	Widening, no land acquisition & no resettlement required	MGSP
183	Rehabilitation of road from Karanipara Jamtola Mosque to 1 no Terminal road	WBM with BC Road	Rehabilitation/Upgrading	Ward no. 18		m	305.00	0.18	NA	Rehabilitation by BC Pavement	BMDF
184	Rehabilitation of Katkipara road from Lalkuthi road to Keranipara Chwrasta	WBM with BC Road	Rehabilitation/Upgrading	Ward no. 18		m	900.00	0.54	NA	Rehabilitation by BC Pavement	JICA
185	Rehabilitation of Satgara Mistrypara road	WBM with BC Road	Rehabilitation/Upgrading	Ward no. 18		m	2000.00	1.20	NA	Rehabilitation by BC Pavement	JICA
186	Rehabilitation of Madrasa road bylane Madrasa road to Borkotoa Jame mosque	WBM with BC Road	Rehabilitation/Upgrading	Ward no. 18		m	600.00	0.36	NA	Rehabilitation by BC Pavement	BMDF
187	Rehabilitation of Kakinakuthi road & bylane	WBM with BC Road	Rehabilitation/Upgrading	Ward no. 18		m	2100.00	1.45	NA	Rehabilitation by BC Pavement	MGSP
188	Rehabilitation of 1 no Terminal road	WBM with BC Road	Rehabilitation/Upgrading	Ward no. 18		m	900.00	0.80	NA	Rehabilitation by BC Pavement	ADP
189	Rehabilitation of Lichubagan road & bylane	WBM with BC Road	Rehabilitation/Upgrading	Ward no. 18		m	1400.00	0.90	NA	Rehabilitation by BC Pavement	ADP
190	Rehabilitation of Salema Khatun road	WBM with BC Road	Rehabilitation/Upgrading	Ward no. 19		m	500.00	0.30	NA	Rehabilitation by BC Pavement	BMDF
191	Rehabilitation of Purbo Nilkhonto Khamarbari road from Biscuit factory to house of Nurul mia.	WBM with BC Road	Rehabilitation/Upgrading	Ward no. 19		m	300.00	0.18	NA	Rehabilitation by BC Pavement	BMDF
192	Rehabilitation of Radhaballave road & bylane	WBM with BC Road	Rehabilitation/Upgrading	Ward no. 19		m	1500.00	0.90	NA	Rehabilitation by BC Pavement	JICA
193	Rehabilitation of Sagorpara road & bylane	WBM with BC	Rehabilitation/Upgrading	Ward no. 19		m	900.00	0.54	NA	Rehabilitation by BC	JICA

No.	Scheme Name	Work Category	Level of Work	Location		Unit	Qty	Cost*	Previous Study	Description	Source of Fund
				Area Name	No. on map						
		Road	Upgrading							Pavement	
194	Rehabilitation of Gonganath road	WBM with BC Road	Rehabilitation/Upgrading	Ward no. 19		m	520.00	0.32	NA	Rehabilitation by BC Pavement	ADP
195	Rehabilitation of Dhap old Desh Clinic to Gonganath road	WBM with BC Road	Rehabilitation/Upgrading	Ward no. 19		m	1300.00	0.78	NA	Rehabilitation by BC Pavement	JICA
196	Improvement of road from Burirhat road bylene MedicalPurba Gate to Chiclly Vata	ISG, AS,WBM with BC Road	New Construction	Ward no. 19		m	1100.00	0.99	NA	New Construction, no land acquisition & no resettlement required	JICA
197	Rehabilitation of road from Radhaballave more to Water Supply office	WBM with BC Road	Rehabilitation/Upgrading	Ward no. 19		m	700.00	0.42	NA	Rehabilitation by BC Pavement	ADP
198	Improvement of road from Radhaballave road to Chiclly lake	ISG, AS,WBM with BC Road	New Construction	Ward no. 19		m	1100.00	0.99	NA	New Construction, no land acquisition & no resettlement required	ADP
199	Improvement of road from Dhap Engineerpara road & bylane	ISG, AS,WBM with BC Road	New Construction	Ward no. 19		m	1400.00	1.25	NA	New Construction, no land acquisition & no resettlement required	ADP
200	Improvement of road near house of Halim-Alomgir at Guratipara	WBM with BC Road	Rehabilitation/Upgrading	Ward no. 20		m	250.00	0.15	NA	Rehabilitation by BC Pavement	BMDf
201	Improvement of road in west Guratipara.	WBM with BC Road	Rehabilitation/Upgrading	Ward no. 20		m	300.00	0.18	NA	Rehabilitation by BC Pavement	JICA
202	Improvement of road in Mulatol Bank Colony.	WBM with BC Road	Rehabilitation/Upgrading	Ward no. 20		m	400.00	0.24	NA	Rehabilitation by BC Pavement	JICA
203	Rehabilitation of Internal road of Palpara.	WBM with BC Road	Rehabilitation/Upgrading	Ward no. 20		m	1200.00	0.72	NA	Rehabilitation by BC Pavement	JICA
204	Rehabilitation of road starting from Guatipara Montu Bania's pond up to Mistry para moure.	WBM with BC Road	Rehabilitation/Upgrading	Ward no. 20		m	480.00	0.29	NA	Rehabilitation by BC Pavement	JICA
205	Rehabilitation of New Engineerpara road, Beltola road & Dhopa Potty road	WBM with BC Road	Rehabilitation/Upgrading	Ward no. 20		m	2700.00	1.82	NA	Rehabilitation by BC Pavement	JICA
206	Rehabilitation of Mulatol road & Thana road	WBM with BC Road	Rehabilitation/Upgrading	Ward no. 20		m	2100.00	1.50	NA	Rehabilitation by BC Pavement	JICA
207	Rehabilitation of road from Kotwali Thana to Mulatol road & H/O Contractor Haque to Mulatol road	WBM with BC Road	Rehabilitation/Upgrading	Ward no. 20		m	2500.00	1.50	NA	Rehabilitation by BC Pavement	ADP
208	Rehabilitation of Guratipara road	WBM with BC Road	Rehabilitation/Upgrading	Ward no. 20		m	2300.00	1.62	NA	Rehabilitation by BC Pavement	JICA
209	Rehabilitation of Gomostapa Lichubagan road	WBM with BC Road	Rehabilitation/Upgrading	Ward no. 20		m	400.00	0.25	NA	Rehabilitation by BC Pavement	ADP

No.	Scheme Name	Work Category	Level of Work	Location		Unit	Qty	Cost*	Previous Study	Description	Source of Fund
				Area Name	No. on map						
210	Improvement of road at Kamar para Community school.	ISG, AS,WBM with BC Road	New Construction	Ward no. 21		m	250.00	0.22	NA	New Construction, no land acquisition & no resettlement required	ADP
211	Rehabilitation of Adorshopara road and Internal road of Adorsho para.	WBM with BC Road	Rehabilitation/Upgrading	Ward no. 21		m	2000.00	1.20	NA	Rehabilitation by BC Pavement	JICA
212	Rehabilitation of road from Grand hotel moure to Senpara Bridge.	WBM with BC Road	Rehabilitation/Upgrading	Ward no. 21		m	350.00	0.21	NA	Rehabilitation by BC Pavement	JICA
213	Rehabilitation of Senpara road and bylane	WBM with BC Road	Rehabilitation/Upgrading	Ward no. 21		m	500.00	0.30	NA	Rehabilitation by BC Pavement	JICA
214	Improvement of road from Habibia Mosque to house of Jalil mia	WBM with BC Road	Rehabilitation/Upgrading	Ward no. 21		m	400.00	0.24	NA	Rehabilitation by BC Pavement	B MDF
215	Rehabilitation of road from north of Mr. Ershed's house to Primary school.	WBM with BC Road	Rehabilitation/Upgrading	Ward no. 21		m	300.00	0.18	NA	Rehabilitation by BC Pavement	ADP
216	Widening of Terminal road from Shapla Chattar to Central Bus Terminal	ISG, AS,WBM with BC Road	Widening	Ward no. 21		m	2200.00	2.00	NA	Widening, no land acquisition & no resettlement required	MGSP
217	Rehabilitation of Earshad road	WBM with BC Road	Rehabilitation/Upgrading	Ward no. 21		m	1700.00	1.20	NA	Rehabilitation by BC Pavement	B MDF
218	Rehabilitation ofl road from Kamarpara road to College road	WBM with BC Road	Rehabilitation/Upgrading	Ward no. 21		m	1500.00	0.90	NA	Rehabilitation by BC Pavement	JICA
219	Rehabilitation ofl Habibnagor road	WBM with BC Road	Rehabilitation/Upgrading	Ward no. 21		m	1400.00	0.85	NA	Rehabilitation by BC Pavement	ADP
220	Improvement of Babu khan bylane road	ISG, AS,WBM with BC Road	New Construction	Ward no. 22		m	800.00	0.72	NA	New Construction, no land acquisition & no resettlement required	JICA
221	Improvement of Goneshpur road bylane	ISG, AS,WBM with BC Road	New Construction	Ward no. 22		m	2100.00	1.89	NA	New Construction, no land acquisition & no resettlement required	B MDF
222	Rehabilitation of Balapara road	WBM with BC Road	Rehabilitation/Upgrading	Ward no. 22		m	1300.00	0.78	NA	Rehabilitation by BC Pavement	MGSP
223	Improvement of Terminal road bylane Bokultola road	ISG, AS,WBM with BC Road	New Construction	Ward no. 22		m	2200.00	1.98	NA	New Construction, no land acquisition & no resettlement required	JICA
224	Improvement of Termilal road bylane infront of Alia Madrasa to Babukha road	ISG, AS,WBM with BC Road	New Construction	Ward no. 22		m	1300.00	1.17	NA	New Construction, no land acquisition & no resettlement required	JICA

No.	Scheme Name	Work Category	Level of Work	Location		Unit	Qty	Cost*	Previous Study	Description	Source of Fund
				Area Name	No. on map						
225	Rehabilitation of Babukha road from Terminal road to College road	WBM with BC Road	Rehabilitation/Upgrading	Ward no. 22		m	3400.00	2.50	NA	Rehabilitation by BC Pavement	MGSP
226	Rehabilitation of road from Babukha road to Balatary road	WBM with BC Road	Rehabilitation/Upgrading	Ward no. 22		m	1400.00	0.95	NA	Rehabilitation by BC Pavement	BMDP
227	Rehabilitation of road from Babukha road to Goneshpur road	WBM with BC Road	Rehabilitation/Upgrading	Ward no. 22		m	2100.00	1.40	NA	Rehabilitation by BC Pavement	JICA
228	Improvement of Gonsshpur road from Termeinl road to R.K road & bylane	ISG, AS,WBM with BC Road	New Construction	Ward no. 22		m	3200.00	2.62	NA	New Construction, no land acquisition & no resettlement required	MGSP
229	Improvement of road drain from Babukha Moddhapara Jame Mosque to Babukha Post Office & towards east upto Kamarpara road	ISG, AS,WBM with BC Road	New Construction	Ward no. 22		m	1600.00	1.40	NA	New Construction, no land acquisition & no resettlement required	ADP
230	Improvement of road from Babukha road to Goneshpur road via Bakultola	ISG, AS,WBM with BC Road	New Construction	Ward no. 22		m	1200.00	1.10	NA	New Construction, no land acquisition & no resettlement required	JICA
231	Improvement of road from R.K road to H/O Minu Driver	ISG, AS,WBM with BC Road	New Construction	Ward no. 22		m	600.00	0.50	NA	New Construction, no land acquisition & no resettlement required	ADP
232	Improvement of road from Balapara Primary School road	ISG, AS,WBM with BC Road	New Construction	Ward no. 22		m	900.00	0.70	NA	New Construction, no land acquisition & no resettlement required	ADP
233	Improvement of road from Balapara H/O Anser & Madrasa to Dweanbari	ISG, AS,WBM with BC Road	New Construction	Ward no. 22		m	1100.00	0.76	NA	New Construction, no land acquisition & no resettlement required	ADP
234	Improvement of road from South Babukha H/O Faraz Mia to Babukha High School	ISG, AS,WBM with BC Road	New Construction	Ward no. 22		m	900.00	0.80	NA	New Construction, no land acquisition & no resettlement required	ADP
235	Improvement of road from Terminal road to Shantidhara	ISG, AS,WBM with BC Road	New Construction	Ward no. 22		m	800.00	0.70	NA	New Construction, no land acquisition & no resettlement required	MGSP
236	Improvement of road beside Goneshpur Hindupara road	ISG, AS,WBM with BC Road	New Construction	Ward no. 22		m	500.00	0.45	NA	New Construction, no land acquisition & no resettlement required	ADP
237	Improvement of road East Kamarpara road to Babukha Haque para via Khaleque Member	ISG, AS,WBM with BC Road	New Construction	Ward no. 22		m	700.00	0.63	NA	New Construction, no land acquisition & no resettlement required	ADP
238	Improvement of road from H/O Hatem to	ISG, AS,WBM with	New	Ward no. 23		m	2000.00	1.80	NA	New Construction, no	JICA

No.	Scheme Name	Work Category	Level of Work	Location		Unit	Qty	Cost*	Previous Study	Description	Source of Fund
				Area Name	No. on map						
	H/O Hazi Abdur Rahman	BC Road	Construction							land acquisition & no resettlement required	
239	Rehabilitation of road from Chickly Bridge to Karimia Hafizia madrasa	Road Rehabilitation (Paved, Re-construction)	Rehabilitation/Upgrading	Ward no. 23		m	3500.00	2.10	NA	Rehabilitation by BC Pavement	JICA
240	Improvement of road from Khupir cole Bridge to Kashim mia Mosque	ISG, AS,WBM with BC Road	New Construction	Ward no. 23		m	2200.00	1.98	NA	New Construction, no land acquisition & no resettlement required	JICA
241	Improvement of road from Circular road to New Jummapara road	ISG, AS,WBM with BC Road	New Construction	Ward no. 23		m	1200.00	1.08	NA	New Construction, no land acquisition & no resettlement required	JICA
242	Rehabilitation of Jummapara Fokir Mohammad road	WBM with BC Road	Rehabilitation/Upgrading	Ward no. 23		m	1000.00	0.60	NA	Rehabilitation by BC Pavement	JICA
243	Rehabilitation of Jummapara Mosque to Jummapara Pakar Matha	WBM with BC Road	Rehabilitation/Upgrading	Ward no. 23		m	1500.00	0.90	NA	Rehabilitation by BC Pavement	JICA
244	Rehabilitation of road from Station road to Poura Bazar road	WBM with BC Road	Rehabilitation/Upgrading	Ward no. 23		m	700.00	0.42	NA	Rehabilitation by BC Pavement	ADP
245	Rehabilitation of Jummpara road from Station road to Circular road & bylane	WBM with BC Road	Rehabilitation/Upgrading	Ward no. 23		m	4000.00	2.70	NA	Rehabilitation by BC Pavement	MGSP
246	Rehabilitation of New Jummpara road & bylane	WBM with BC Road	Rehabilitation/Upgrading	Ward no. 23		m	2700.00	2.00	NA	Rehabilitation by BC Pavement	MGSP
247	Rehabilitation of road from Kamal Kachhna Miloni's moure to Tatipara bridge	WBM with BC Road	Rehabilitation/Upgrading	Ward no. 24		m	700.00	0.42	NA	Rehabilitation by BC Pavement	JICA
248	Rehabilitationof Guptapara Internal road	WBM with BC Road	Rehabilitation/Upgrading	Ward no. 24		m	3000.00	1.80	NA	Rehabilitation by BC Pavement	JICA
249	Rehabilitation of Boiragipara road	WBM with BC Road	Rehabilitation/Upgrading	Ward no. 24		m	2200.00	1.32	NA	Rehabilitation by BC Pavement	JICA
250	Rehabilitation of Guptapara Kharam Potty road	WBM with BC Road	Rehabilitation/Upgrading	Ward no. 24		m	1200.00	0.72	NA	Rehabilitation by BC Pavement	JICA
251	Rehabilitation of AT Lahiri road & SMC road	WBM with BC Road	Rehabilitation/Upgrading	Ward no. 24		m	1300.00	0.86	NA	Rehabilitation by BC Pavement	MGSP
252	Rehabilitation of Mahamoyee road	WBM with BC Road	Rehabilitation/Upgrading	Ward no. 24		m	1200.00	0.80	NA	Rehabilitation by BC Pavement	ADP
253	Rehabilitation of Circular road bylane (Rd.no.2/1) .	WBM with BC Road	Rehabilitation/Upgrading	Ward no. 25		m	430.00	0.26	NA	Rehabilitation by BC Pavement	JICA
254	Rehabilitation of Panchanon road in front Mothaher Choudury's house.	WBM with BC Road	Rehabilitation/Upgrading	Ward no. 25		m	190.00	0.12	NA	Rehabilitation by BC Pavement	JICA

No.	Scheme Name	Work Category	Level of Work	Location		Unit	Qty	Cost*	Previous Study	Description	Source of Fund
				Area Name	No. on map						
255	Improvement of Mistrypara road by lane from Bablu Maker's house to Dulu driver' house.	WBM with BC Road	Rehabilitation/Upgrading	Ward no. 25		m	220.00	0.13	NA	Rehabilitation by BC Pavement	ADP
256	Rehabilitation of Shikkhangon school road starting from J.L Roy road to Ishan Chokroborti road.	WBM with BC Road	Rehabilitation/Upgrading	Ward no. 25		m	550.00	0.33	NA	Rehabilitation by BC Pavement	JICA
257	Rehabilitation of Mouvasa road and by lane	WBM with BC Road	Rehabilitation/Upgrading	Ward no. 25		m	900.00	0.54	NA	Rehabilitation by BC Pavement	JICA
258	Improvement of road from Mistrypara more to KD Canal	WBM with BC Road	Rehabilitation/Upgrading	Ward no. 25		m	500.00	0.30	NA	Rehabilitation by BC Pavement	JICA
259	Improvement of Mayamoyi road from G.L Roy road to Eshan Chalkrabarti road	WBM with BC Road	Rehabilitation/Upgrading	Ward no. 25		m	800.00	0.48	NA	Rehabilitation by BC Pavement	ADP
260	Widening of Eshan G.L Roy road	ISG, AS,WBM with BC Road	Widening	Ward no. 24,25,29,30	m	3800.00	4.60		NA	Widening, no land acquisition & no resettlement required	JICA
261	Widening of Eshan Chalkrabarti road	ISG, AS,WBM with BC Road	Widening	Ward no. 25		m	2200.00	1.50	NA	Widening, no land acquisition & no resettlement required	JICA
262	Improvement of road from Mohadebpur Kalam Godowm to Mohadebpur Jame Mosque.	WBM with BC Road	Rehabilitation/Upgrading	Ward no. 26		m	600.00	0.36	NA	Rehabilitation by BC Pavement	JICA
263	Rehabilitation of road starting from Nurpur graveyard moure to Huda Mohury's house via house of journalist Wadud.	WBM with BC Road	Rehabilitation/Upgrading	Ward no. 26		m	1000.00	0.60	NA	Rehabilitation by BC Pavement	JICA
264	Improvement of road near house of Kalam Contractor at Mohadebpur.	WBM with BC Road	Rehabilitation/Upgrading	Ward no. 26		m	500.00	0.30	NA	Rehabilitation by BC Pavement	JICA
265	Improvement of road from B.R.T.C Office to Nurpur graveyard via house of Mr. Ismail.	WBM with BC Road	Rehabilitation/Upgrading	Ward no. 26		m	500.00	0.30	NA	Rehabilitation by BC Pavement	JICA
266	Improvement of road from Nurpur Jainal's house to the house of Manager.	WBM with BC Road	Rehabilitation/Upgrading	Ward no. 26		m	300.00	0.18	NA	Rehabilitation by BC Pavement	ADP
267	Rehabilitation of road starting from Nurpur graveyard moure to Huda Mohury's house via house of journalist Wadud.	WBM with BC Road	Rehabilitation/Upgrading	Ward no. 26		m	1000.00	0.60	NA	Rehabilitation by BC Pavement	JICA
268	Rehabilitation of station road starting from Shapla Chattar to Babupara rail crossing	WBM with BC Road	Rehabilitation/Upgrading	Ward no. 26, 27		m	2500.00	3.50	NA	Rehabilitation by BC Pavement	MGSP

No.	Scheme Name	Work Category	Level of Work	Location		Unit	Qty	Cost*	Previous Study	Description	Source of Fund
				Area Name	No. on map						
269	Rehabilitation of road from station road to Tatipara bridge via Robertsongonj	WBM with BC Road	Rehabilitation/Upgrading	Ward no. 26		m	2700.00	2.50	NA	Rehabilitation by BC Pavement	ADP
270	Improvement of road from shop of Dablu upto end of pond at Babu para	WBM with BC Road	Rehabilitation/Upgrading	Ward no. 27		m	450.00	0.27	NA	Rehabilitation by BC Pavement	BMDP
271	Rehabilitation of road starting from Anti Corruption office to college road via Mr. Azizar house.	WBM with BC Road	Rehabilitation/Upgrading	Ward no. 27		m	1100.00	0.27	NA	Rehabilitation by BC Pavement	JICA
272	Rehabilitation of road from Ghorapir Mazar to Alomnager Jame Mosque via Jolpaiguri moure.	WBM with BC Road	Rehabilitation/Upgrading	Ward no. 27		m	1200.00	0.72	NA	Rehabilitation by BC Pavement	JICA
273	Rehabilitation of road from Babupara to City Biscuit factory.	WBM with BC Road	Rehabilitation/Upgrading	Ward no. 27		m	450.00	0.30	NA	Rehabilitation by BC Pavement	MGSP
274	Rehabilitation of road from station to Muslimpara road	WBM with BC Road	Rehabilitation/Upgrading	Ward no. 27		m	1200.00	0.72	NA	Rehabilitation by BC Pavement	ADP
275	Improvement of Alamnagar Colony Internal road	ISG, AS,WBM with BC Road	New Construction	Ward no. 27		m	2100.00	1.85	NA	New Construction, no land acquisition & no resettlement required	JICA
276	Rehabilitation of Thikaderpara road & bylane	WBM with BC Road	Rehabilitation/Upgrading	Ward no. 27		m	2100.00	1.40	NA	Rehabilitation by BC Pavement	ADP
277	Rehabilitation of Pirpur road & bylane	WBM with BC Road	Rehabilitation/Upgrading	Ward no. 27		m	3500.00	2.10	NA	Rehabilitation by BC Pavement	ADP
278	Rehabilitation of Station approach road	WBM with BC Road	Rehabilitation/Upgrading	Ward no. 27		m	700.00	0.90	NA	Rehabilitation by BC Pavement	MGSP
279	Rehabilitation of Murgir farm road	WBM with BC Road	Rehabilitation/Upgrading	Ward no. 27		m	1200.00	0.90	NA	Rehabilitation by BC Pavement	MGSP
280	Rehabilitation of Chalk Bazar road and by lane.	WBM with BC Road	Rehabilitation/Upgrading	Ward no. 28		m	1200.00	0.72	NA	Rehabilitation by BC Pavement	JICA
281	Improvement of road from Shajapur Babu's house to Mukhtijodda Shoroni.	WBM with BC Road	Rehabilitation/Upgrading	Ward no. 28		m	450.00	0.27	NA	Rehabilitation by BC Pavement	JICA
282	Improvement of road from Kanon Gotola Mistrypara Dimla bridge to Dimla Kali Mondir.	WBM with BC Road	Rehabilitation/Upgrading	Ward no. 28		m	750.00	0.45	NA	Rehabilitation by BC Pavement	JICA
283	Improvement of Tajhat road bylane from Tajhat road to Tajhat school road.	WBM with BC Road	Rehabilitation/Upgrading	Ward no. 28		m	300.00	0.18	NA	Rehabilitation by BC Pavement	ADP
284	Rehabilitation of Tajhat Atimkhana road	WBM with BC Road	Rehabilitation/Upgrading	Ward no. 28		m	320.00	0.19	NA	Rehabilitation by BC Pavement	JICA
285	Rehabilitation of Chalk Bazar road and by lane.	WBM with BC Road	Rehabilitation/Upgrading	Ward no. 28		m	1200.00	0.72	NA	Rehabilitation by BC Pavement	JICA

No.	Scheme Name	Work Category	Level of Work	Location		Unit	Qty	Cost*	Previous Study	Description	Source of Fund
				Area Name	No. on map						
286	Improvement of road from Shajapur to Dhakaiapara H/O Shahid to Rabir Chatal	WBM with BC Road	Rehabilitation/Upgrading	Ward no. 28		m	2000.00	1.20	NA	Rehabilitation by BC Pavement	JICA
287	Improvement of road from S.R Hossain School to Sajapur	ISG, AS,WBM with BC Road	New Construction	Ward no. 28		m	500.00	0.45	NA	New Construction, no land acquisition & no resettlement required	BMDf
288	Improvement of road from R.K road to Molla para H/O Idu	ISG, AS,WBM with BC Road	New Construction	Ward no. 28		m	2000.00	1.80	NA	New Construction, no land acquisition & no resettlement required	JICA
289	Improvement of road from Anseri More to Helal Press to TB Hosptal	ISG, AS,WBM with BC Road	New Construction	Ward no. 28		m	1000.00	0.90	NA	New Construction, no land acquisition & no resettlement required	JICA
290	Improvement of College para road & bylane	ISG, AS,WBM with BC Road	New Construction	Ward no. 28		m	2000.00	1.80	NA	New Construction, no land acquisition & no resettlement required	JICA
291	Improvement of Eidgah para road	ISG, AS,WBM with BC Road	New Construction	Ward no. 28		m	1000.00	0.90	NA	New Construction, no land acquisition & no resettlement required	JICA
292	Improvement of road from Sabujpara Ashratpur road to Dhakaiapara road	ISG, AS,WBM with BC Road	New Construction	Ward no. 28		m	1000.00	0.90	NA	New Construction, no land acquisition & no resettlement required	JICA
293	Improvement of road from Dewantuli Mosque to the house of Shafiulla.	WBM with BC Road	Rehabilitation/Upgrading	Ward no. 29		m	250.00	0.16	NA	Rehabilitation by BC Pavement	ADP
294	Rehabilitation of road starting from front side of Bongobondu Hospital upto Girls school.	WBM with BC Road	Rehabilitation/Upgrading	Ward no. 29		m	700.00	0.42	NA	Rehabilitation by BC Pavement	JICA
295	Improvement of road from Dimla Bridge to Damdama road.	WBM with BC Road	Rehabilitation/Upgrading	Ward no. 29		m	1000.00	0.60	NA	Rehabilitation by BC Pavement	JICA
296	Improvement of road from Mahigonj whole sale market towards pawtana road	WBM with BC Road	Rehabilitation/Upgrading	Ward no. 29		m	1000.00	0.60	NA	Rehabilitation by BC Pavement	JICA
297	Improvement of road from Dimla Bridge to Damdama road.	WBM with BC Road	Rehabilitation/Upgrading	Ward no. 29		m	1000.00	0.70	NA	Rehabilitation by BC Pavement	JICA
298	Improvement of road from RK road bylane Kolabari to RK road via Mia Bari	WBM with BC Road	Rehabilitation/Upgrading	Ward no. 29		m	900.00	0.54	NA	Rehabilitation by BC Pavement	JICA
299	Improvement of road from RK road bylane Goda Shimla Kalabari Shanti Shangha Club to H/O Saiful	WBM with BC Road	Rehabilitation/Upgrading	Ward no. 29		m	600.00	0.36	NA	Rehabilitation by BC Pavement	JICA
300	Improvement of road from RK road bylane Goda Shimla Jame Mosque to	WBM with BC Road	Rehabilitation/Upgrading	Ward no. 29		m	350.00	0.21	NA	Rehabilitation by BC Pavement	ADP

No.	Scheme Name	Work Category	Level of Work	Location		Unit	Qty	Cost*	Previous Study	Description	Source of Fund
				Area Name	No. on map						
	Hazir Bari										
301	Improvement of road from Mahigonj Goshabari road bylane Goshabari road to Paotana road	WBM with BC Road	Rehabilitation/Upgrading	Ward no. 29		m	1050.00	0.63	NA	Rehabilitation by BC Pavement	JICA
302	Improvement of road from Kashaituli road bylane Amtola to Dewantule Govt. Primary School	WBM with BC Road	Rehabilitation/Upgrading	Ward no. 29		m	700.00	0.42	NA	Rehabilitation by BC Pavement	JICA
303	Improvement of road from Dewantuly road bylane Taka Mia Mill to Dimla Kali Mondir	WBM with BC Road	Rehabilitation/Upgrading	Ward no. 29		m	900.00	0.54	NA	Rehabilitation by BC Pavement	JICA
304	Improvement of Mahigonj Taltola road from RK road to Public Laboratory	WBM with BC Road	Rehabilitation/Upgrading	Ward no. 29		m	600.00	0.40	NA	Rehabilitation by BC Pavement	JICA
305	Improvement of Mahigonj Cutchbihar road upto Isamoti Canal	WBM with BC Road	Rehabilitation/Upgrading	Ward no. 29		m	500.00	0.30	NA	Rehabilitation by BC Pavement	ADP
306	Improvement of Mahigonj Rothbari road near Mahigonj Graveyard upto G.C Chowdhury road	WBM with BC Road	Rehabilitation/Upgrading	Ward no. 29		m	500.00	0.30	NA	Rehabilitation by BC Pavement	B MDF
307	Improvement of Mahigonj Rothbari road near Mahigonj Graveyard upto G.C Chowdhury road	WBM with BC Road	Rehabilitation/Upgrading	Ward no. 29		m	500.00	0.35	NA	Rehabilitation by BC Pavement	JICA
308	Improvement of Mahigonj -Domdoma road	WBM with BC Road	Rehabilitation/Upgrading	Ward no. 29		m	5700.00	3.42	NA	Rehabilitation by BC Pavement	JICA
309	Improvement of road from Rothbari road bylane upto Goshabari road	ISG, AS,WBM with BC Road	New Construction	Ward no. 29		m	700.00	0.63	NA	New Construction, no land acquisition & no resettlement required	JICA
310	Improvement of road from Dhumkhatoa road bylane yuto JB sen road	WBM with BC Road	Rehabilitation/Upgrading	Ward no. 29		m	1000.00	0.85	NA	Rehabilitation by BC Pavement	JICA
311	Improvement of road near house of Afzal journalist at Khasbag	WBM with BC Road	Rehabilitation/Upgrading	Ward no. 30		m	1200.00	0.72	NA	Rehabilitation by BC Pavement	JICA
312	Improvement of road from A.R Hossain school to house of Saidul and bylane .	WBM with BC Road	Rehabilitation/Upgrading	Ward no. 30		m	550.00	0.33	NA	Rehabilitation by BC Pavement	ADP
313	Improvement of road from Pourbo Khasbag near house of Monwar to Hazi's house	WBM with BC Road	Rehabilitation/Upgrading	Ward no. 30		m	400.00	0.24	NA	Rehabilitation by BC Pavement	B MDF
314	Improvement of road from Botla road to H/O Momin at east Khasbag	WBM with BC Road	Rehabilitation/Upgrading	Ward no. 30		m	700.00	0.42	NA	Rehabilitation by BC Pavement	JICA
315	Improvement of road from H/O Jalil upto Nasnia rail gate at east Khasbag.	WBM with BC Road	Rehabilitation/Upgrading	Ward no. 30		m	550.00	0.33	NA	Rehabilitation by BC Pavement	JICA

No.	Scheme Name	Work Category	Level of Work	Location		Unit	Qty	Cost*	Previous Study	Description	Source of Fund
				Area Name	No. on map						
316	Improvement of road from Mondolpara bridge to G.L Roy road	WBM with BC Road	Rehabilitation/Upgrading	Ward no. 30		m	2200.00	1.32	NA	Rehabilitation by BC Pavement	JICA
317	Improvement of road from G.L Roy road Health Institute to H/O Delwar & Mosque to Jute Research Institute	ISG, AS,WBM with BC Road	New Construction	Ward no. 30		m	1400.00	1.26	NA	New Construction, no land acquisition & no resettlement required	JICA
318	Improvement of road from G.L Roy road RDSS to H/O Hares	ISG, AS,WBM with BC Road	New Construction	Ward no. 30		m	600.00	0.54	NA	New Construction, no land acquisition & no resettlement required	ADP
319	Improvement of road from Haragach road bylane Haragach road to Rothbari road via R.K road	ISG, AS,WBM with BC Road	New Construction	Ward no. 30		m	1500.00	1.35	NA	New Construction, no land acquisition & no resettlement required	JICA
320	Improvement of Balatary road & bylane	ISG, AS,WBM with BC Road	New Construction	Ward no. 30		m	3500.00	3.15	NA	New Construction, no land acquisition & no resettlement required	JICA
321	Improvement of road from Raghu to Dewti road.	ISG, AS,WBM with BC Road	New Construction	Ward no. 31		m	2000.00	1.80	NA	New Construction, no land acquisition & no resettlement required	JICA
322	Improvement of road from Shekhpara Bridge to Shikaripara Bottola & H/O Councillor	ISG, AS,WBM with BC Road	New Construction	Ward no. 31		m	2700.00	2.43	NA	New Construction, no land acquisition & no resettlement required	JICA
323	Improvement of road from Darshana Union road bylane Jaliler Dighi to H/O Mokhless	ISG, AS,WBM with BC Road	New Construction	Ward no. 31		m	2450.00	2.21	NA	New Construction, no land acquisition & no resettlement required	JICA
324	Improvement of road from Basharer Ghat to Amtola more & link road	ISG, AS,WBM with BC Road	New Construction	Ward no. 31		m	2400.00	2.16	NA	New Construction, no land acquisition & no resettlement required	JICA
325	Rehabilitation of road from Ashratpur more to Tapat mirgonj bazar.	ISG, AS,WBM with BC Road	New Construction	Ward no. 31		m	4000.00	3.60	NA	New Construction, no land acquisition & no resettlement required	JICA
326	Improvement of road from Darshana Sabek UP to Dakshinpara Jame Mosque	ISG, AS,WBM with BC Road	New Construction	Ward no. 31		m	2500.00	2.25	NA	New Construction, no land acquisition & no resettlement required	JICA
327	Improvement of road from Silimpur Dararpar Bridge to H/O Akkas	ISG, AS,WBM with BC Road	New Construction	Ward no. 31		m	2100.00	1.89	NA	New Construction, no land acquisition & no resettlement required	JICA
328	Improvement of road from Sheikhpara bridge to Rangpur—Bogra Natioanal Highway	ISG, AS,WBM with BC Road	New Construction	Ward no. 31		m	500.00	0.45	NA	New Construction, no land acquisition & no resettlement required	ADP

No.	Scheme Name	Work Category	Level of Work	Location		Unit	Qty	Cost*	Previous Study	Description	Source of Fund
				Area Name	No. on map						
329	Improvement of road from Araji H/O Aziz to Purbapara H/o Altaf	ISG, AS,WBM with BC Road	New Construction	Ward no. 31		m	1200.00	1.05	NA	New Construction, no land acquisition & no resettlement required	JICA
330	Improvement of road from Panbari Bazar to Hindupara	ISG, AS,WBM with BC Road	New Construction	Ward no. 31		m	700.00	0.63	NA	New Construction, no land acquisition & no resettlement required	ADP
331	Improvement of road from Silimpur Shishu Sadan School to Vorotpara	ISG, AS,WBM with BC Road	New Construction	Ward no. 31		m	700.00	0.63	NA	New Construction, no land acquisition & no resettlement required	ADP
332	Improvement of road from Nazirdighar Purbapara H/O Khaled to Shop of Anamul	ISG, AS,WBM with BC Road	New Construction	Ward no. 31		m	500.00	0.45	NA	New Construction, no land acquisition & no resettlement required	ADP
333	Construction of Embankment cum Bank protection dam at Nazir Dirdigar Biddibam	ISG, AS,WBM with BC Road	New Construction	Ward no. 31		m	1000.00	6.00	NA	New Construction, no land acquisition & no resettlement required	JICA
334	Construction of Embankment cum Bank protection dam at Arazipara Panbari	ISG, AS,WBM with BC Road	New Construction	Ward no. 31		m	1000.00	6.00	NA	New Construction, no land acquisition & no resettlement required	JICA
335	Improvement of road from RK road bylane infront of Begum Rokeya University to Debipur road	ISG, AS,WBM with BC Road	New Construction	Ward no. 32		m	2550.00	2.30	NA	New Construction, no land acquisition & no resettlement required	JICA
336	Improvement of road from Damdama road bylane Boro Rangpur to Raghu Bazar	ISG, AS,WBM with BC Road	New Construction	Ward no. 32		m	4000.00	3.60	NA	New Construction, no land acquisition & no resettlement required	JICA
337	Improvement of road from Mirgonj Raghubazar bylane Shahi Mosque Graveyard to Damdama Mahigonj road	ISG, AS,WBM with BC Road	New Construction	Ward no. 32		m	1000.00	0.90	NA	New Construction, no land acquisition & no resettlement required	JICA
338	Improvement of road from Damdama Mahigonj road bylane Tyre Co more to UCEP school & bylane	ISG, AS,WBM with BC Road	New Construction	Ward no. 32		m	2400.00	2.16	NA	New Construction, no land acquisition & no resettlement required	JICA
339	Improvement of road from National Highway bylane RRI to Shishu Paribar to National Highway	ISG, AS,WBM with BC Road	New Construction	Ward no. 32		m	1700.00	1.53	NA	New Construction, no land acquisition & no resettlement required	JICA
340	Improvement of road from National Highway bylane Damdama Eidgah to Damdama Mahigonj road	ISG, AS,WBM with BC Road	New Construction	Ward no. 32		m	2300.00	2.07	NA	New Construction, no land acquisition & no resettlement required	JICA
341	Improvement of road from Mahigonj Goshaihari pucca road to Paotana road	ISG, AS,WBM with BC Road	New Construction	Ward no. 33		m	1550.00	1.40	NA	New Construction, no land acquisition & no	JICA

No.	Scheme Name	Work Category	Level of Work	Location		Unit	Qty	Cost*	Previous Study	Description	Source of Fund
				Area Name	No. on map						
										resettlement required	
342	Improvement of road from Paotana road bylane Homeland Cold Storage to Mohindra Primary School	ISG, AS,WBM with BC Road	New Construction	Ward no. 33		m	2250.00	2.03	NA	New Construction, no land acquisition & no resettlement required	JICA
343	Improvement of road from Pargacha road bylane Soreartol Bazar to Pargacha UP road	ISG, AS,WBM with BC Road	New Construction	Ward no. 33		m	5700.00	5.13	NA	New Construction, no land acquisition & no resettlement required	JICA
344	Improvement of road from Pargacha road bylane Anandapath KG School to Daghu Bazar road & link road	ISG, AS,WBM with BC Road	New Construction	Ward no. 33		m	1850.00	1.66	NA	New Construction, no land acquisition & no resettlement required	JICA
345	Improvement of road from Raghu bazar road bylane H/O Kartik to Morgonj pucca road	ISG, AS,WBM with BC Road	New Construction	Ward no. 33		m	1600.00	1.44	NA	New Construction, no land acquisition & no resettlement required	JICA
346	Improvement of road from Mirgonj road bylane Mudikhana Bazar to H/O Putul	ISG, AS,WBM with BC Road	New Construction	Ward no. 33		m	500.00	0.45	NA	New Construction, no land acquisition & no resettlement required	ADP
347	Improvement of road from Shahpara H/O Nuruzzaman to H/O Shamu Master & link road	ISG, AS,WBM with BC Road	New Construction	Ward no. 33		m	4700.00	4.23	NA	New Construction, no land acquisition & no resettlement required	JICA
348	Installation of Traffic Signal in City Coroproration core areas	Traffic Signal	New Construction	Ward no. 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28.	nos	30.00	30.00		NA	New Construction, no land acquisition & no resettlement required	JICA
Sub Total =							656.92				

(2) Drain

No.	Scheme Name	Work Category	Level of Work	Location		Unit	Qty	Cost*	Previous Study	Description	Source of Fund
				Area Name	No. on map						
1	Construction of drain from Botorer bill to Ghaghot River	Re-exavation & Beautification	Major Maintenance	Ward no. 01		m	7500.00	6.00	NA	Re-exavation & Beautification, no land acquisition & no resettlement required	JICA
2	Construction of drain from Pruba Manthana H/O Ekhamul to Mondolpara Golakata bridge	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 01		m	2000.00	2.10	NA	New Construction, no land acquisition & no resettlement required	ADP

No.	Scheme Name	Work Category	Level of Work	Location		Unit	Qty	Cost*	Previous Study	Description	Source of Fund
				Area Name	No. on map						
3	Construction of drain from Rangpur Syedpur road to Gongahari Primary school	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 01		m	1350.00	1.30	NA	New Construction, no land acquisition & no resettlement required	B MDF
4	Construction of drain from Showrapara H/O Mohuber to Hazir Choudhury hat road	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 01		m	2050.00	2.00	NA	New Construction, no land acquisition & no resettlement required	MGSP
5	Construction of drain from Hazirhat Burarhat road to Monohar road	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 01		m	1450.00	1.40	NA	New Construction, no land acquisition & no resettlement required	ADP
6	Construction of drain from Rangpur Syedpur road to Hazir Burirhat road	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 01		m	1300.00	1.20	NA	New Construction, no land acquisition & no resettlement required	JICA
7	Construction of drain from Baroghoria to Kellabond Jame Mosque	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 01		m	2500.00	2.20	NA	New Construction, no land acquisition & no resettlement required	ADP
8	Construction of drain from Purba Oviram H/O Mofel to Senpara more via Goalu Natun para	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 01		m	3000.00	3.60	NA	New Construction, no land acquisition & no resettlement required	MGSP
9	Construction of drain from Purba Monthona to Gilabari	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 01		m	2700.00	4.20	NA	New Construction, no land acquisition & no resettlement required	JICA
10	Construction of drain from Syedpur road to Hazirhat to Forkania madrasa to Uttam hazipara to H/O Rafique member	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 01		m	3500.00	3.50	NA	New Construction, no land acquisition & no resettlement required	ADP
11	Construction of drain from Syedpur road H/O Shahider to H/O altaf Dariar to Master Bari to H/O Batul	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 01		m	2000.00	2.10	NA	New Construction, no land acquisition & no resettlement required	ADP
12	Construction of drain from Syedpur road Muchir more to H/O Shahanat Baburchi to H/O Atier Contractor to H/O Tuku Mia	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 01		m	4000.00	5.70	NA	New Construction, no land acquisition & no resettlement required	JICA
13	Construction of drain of road from Gongachara road to Battar bill Binnatari	Roadside Drainage (Concrete Surface)	Rehabilitation/U pgrading	Ward no. 02		m	2400.00	2.50	NA	New Construction, no land acquisition & no resettlement required	B MDF
14	Construction of drain from Burirhat road to Monohar road	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 02		m	2900.00	3.00	NA	New Construction, no land acquisition & no resettlement required	JICA
15	Construction of drain from Burirhat road	Roadside Drainage	New	Ward no. 02		m	1300.00	1.20	NA	New Construction, no	JICA

No.	Scheme Name	Work Category	Level of Work	Location		Unit	Qty	Cost*	Previous Study	Description	Source of Fund
				Area Name	No. on map						
	Kellbond Kachari to H/O Azizer	(Concrete Surface)	Construction							land acquisition & no resettlement required	
16	Construction of drain from Burirhat road Piraj Jame Mosque to Kalia bridge	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 02		m	1250.00	1.10	NA	New Construction, no land acquisition & no resettlement required	JICA
17	Construction of drain from Monohar hat to Mohubae Chatal	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 02		m	1800.00	1.80	NA	New Construction, no land acquisition & no resettlement required	ADP
18	Construction of drain Syedpor to Purba Monthana road.	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 02		m	2000.00	1.80	NA	New Construction, no land acquisition & no resettlement required	ADP
19	Construction of drain from Uttam Partex Co more to pucca road near Kamal Co.	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 03		m	1500.00	1.40	NA	New Construction, no land acquisition & no resettlement required	ADP
20	Construction of drain from Uttam H/O Azizer to Baniapara Jame Mosque	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 03		m	2200.00	1.96	NA	New Construction, no land acquisition & no resettlement required	ADP
21	Construction of drain from Uttam Fakirpara H/O Arial to Uttam Purbapara Eidgah	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 03		m	1200.00	1.00	NA	New Construction, no land acquisition & no resettlement required	ADP
22	Construction of drain from Khabir Chairman chatal to H/O Azizer	Roadside Drainage (Concrete Surface)	Rehabilitation/Upgrading	Ward no. 03		m	1100.00	1.00	NA	New Construction, no land acquisition & no resettlement required	B MDF
23	Improvement of road from Sit Kellabond road to H/O Afzalul	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 03		m	1300.00	1.05	NA	New Construction, no land acquisition & no resettlement required	ADP
24	Construction of drain from Burirhat road Pander Dighi H/O Engr Amin to H/O Mazhari dewan to H/O rabial	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 03		m	700.00	0.68	NA	New Construction, no land acquisition & no resettlement required	B MDF
25	Construction of drain from west side of Kadam Bazar to Fakirpara H/O Mohuber	Roadside Drainage (Concrete Surface)	Rehabilitation/Upgrading	Ward no. 03		m	600.00	0.54	NA	New Construction, no land acquisition & no resettlement required	ADP
26	Improvement of road from H/O Mohuber to H/O Awal	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 03		m	800.00	0.80	NA	New Construction, no land acquisition & no resettlement required	B MDF
27	Construction of drain from South side of Uttam Boshunia Jame Mosque to H/O Alam	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 03		m	600.00	0.45	NA	New Construction, no land acquisition & no	ADP

No.	Scheme Name	Work Category	Level of Work	Location		Unit	Qty	Cost*	Previous Study	Description	Source of Fund
				Area Name	No. on map						
	to Bashunia para 2nd Jame Mosque									resettlement required	
28	Improvement of road from South side of Uttam Boshunia Jame Mosque to H/O Alam to Bashunia para 2nd Jame Mosque to H/O Nurul Hazi to H/O yasin	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 03		m	1000.00	1.00	NA	New Construction, no land acquisition & no resettlement required	ADP
29	Construction of drain from H/O ahmed Master to Uttam Bashuniapara to Antaram Dighi	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 03		m	1000.00	1.00	NA	New Construction, no land acquisition & no resettlement required	ADP
30	Construction of drain from Shop of Farook to Uttam High School to H/o Ahmed Master	Roadside Drainage (Concrete Surface)	Rehabilitation/U pgrading	Ward no. 03		m	1000.00	0.90	NA	Rehabilitation by BC Pavement	BMDP
31	Construction of drain from Pander Dighi Truck Section to Bacchu Driver	Roadside Drainage (Concrete Surface)	Rehabilitation/U pgrading	Ward no. 03		m	900.00	0.70	NA	New Construction, no land acquisition & no resettlement required	ADP
32	Construction of drain from Masterpara Chowrasta more to Shop of Alal to H/O Sadikul & H/O Sobhan Army to H/O Jahurul	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 03		m	900.00	0.85	NA	New Construction, no land acquisition & no resettlement required	ADP
33	Construction of drain from Uttam Beterpara Nurani Hafizia madrasa to H/O Habib Master to Namaz Ghao	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 03		m	500.00	0.45	NA	New Construction, no land acquisition & no resettlement required	ADP
34	Construction of drain from Uttam Beterpara H/O Bohidul shop to H/O Sahir Uddin via H/O Anar Uddin	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 03		m	400.00	0.36	NA	New Construction, no land acquisition & no resettlement required	ADP
35	Construction of drain from Uttam Beterpara Nazirer Godown to H/O Azgar to H/O Shahid Hazi	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 03		m	3500.00	4.50	NA	New Construction, no land acquisition & no resettlement required	ADP
36	Construction of drain from Kellabond H/O Ranga babu to Moziborer Chatal	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 03		m	300.00	0.22	NA	New Construction, no land acquisition & no resettlement required	ADP
37	Construction of drain from Amashu Kukrul H/O Mahmud to Komor colony road	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 04		m	2800.00	2.80	NA	New Construction, no land acquisition & no resettlement required	MGSP
38	Construction of drain from Amashu Kukrul H/O Bakul to Agarer par	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 04		m	2100.00	2.00	NA	New Construction, no land acquisition & no resettlement required	JICA
39	Construction of drain from Bala Komor Saraker par to Kaiagoli School more	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 04		m	1900.00	1.90	NA	New Construction, no land acquisition & no resettlement required	JICA

No.	Scheme Name	Work Category	Level of Work	Location		Unit	Qty	Cost*	Previous Study	Description	Source of Fund
				Area Name	No. on map						
40	Construction of drain from Khatkhtia Kali Mondir to H/O Shamol Dargi at Taltola	Roadside Drainage (Concrete Surface)	Rehabilitation/Upgrading	Ward no. 04		m	2000.00	2.10	NA	Rehabilitation by BC Pavement	ADP
41	Construction of drain from Bala Komor Shop of Majedul to Balakomor Road	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 04		m	1500.00	1.60	NA	New Construction, no land acquisition & no resettlement required	ADP
42	Construction of drain from Kamarpara H/O Noren to Khatkhatia road	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 04		m	1600.00	1.70	NA	New Construction, no land acquisition & no resettlement required	ADP
43	Construction of drain from Zabbartari road to H/O Abdul Mannan	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 04		m	800.00	0.80	NA	New Construction, no land acquisition & no resettlement required	MGSP
44	Construction of drain from Medical pucar matha Altaf Mill to H/O Goni	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 04		m	1800.00	1.80	NA	New Construction, no land acquisition & no resettlement required	MGSP
45	Construction of drain from Burirhat road to CO Bazar	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 04		m	1500.00	1.60	NA	New Construction, no land acquisition & no resettlement required	JICA
46	Construction of drain from Shamlarhat to Bottoli via Harati	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 4, 5		m	3000.00	4.20	NA	New Construction, no land acquisition & no resettlement required	ADP
47	Construction of drain from Khotkhotia road to canal near H/O Alam	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 05		m	1700.00	1.75	NA	New Construction, no land acquisition & no resettlement required	JICA
48	Construction of drain from Khotkhotia H/O Montaz to H/O Khalil	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 05		m	500.00	0.45	NA	New Construction, no land acquisition & no resettlement required	ADP
49	Construction of drain from Chilar Jhar H/O Moshiar to Harati Primary school more	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 05		m	1200.00	1.20	NA	New Construction, no land acquisition & no resettlement required	JICA
50	Construction of drain from Shamlar Bazar to Khalear Village	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 05		m	1200.00	1.10	NA	New Construction, no land acquisition & no resettlement required	JICA
51	Construction of drain from Khotkhotia H/O Gai Mokbul to H/O Hasan	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 05		m	400.00	0.36	NA	New Construction, no land acquisition & no resettlement required	B MDF
52	Construction of drain from Moubon Khamar to Nadutari kacha road	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 05		m	1500.00	1.50	NA	New Construction, no land acquisition & no	JICA

No.	Scheme Name	Work Category	Level of Work	Location		Unit	Qty	Cost*	Previous Study	Description	Source of Fund
				Area Name	No. on map						
										resettlement required	
53	Construction of drain from Burail H/O Motiul to Gojoghonta road	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 05		m	3000.00	3.80	NA	New Construction, no land acquisition & no resettlement required	ADP
54	Construction of drain from Burail Hat to Kochutari road	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 05		m	4000.00	5.20	NA	New Construction, no land acquisition & no resettlement required	JICA
55	Construction of drain from Khatkhatia High School to H/O Aka Boiragi	Roadside Drainage (Concrete Surface)	Rehabilitation/U pgrading	Ward no. 05		m	2100.00	2.20	NA	New Construction, no land acquisition & no resettlement required	MGSP
56	Construction of drain from new Jummapara to Burail hat	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 05		m	3000.00	4.20	NA	New Construction, no land acquisition & no resettlement required	JICA
57	Construction of drain from Khotkhotia H/O Gai Mokbul to H/O Hasan	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 05		m	1300.00	1.20	NA	New Construction, no land acquisition & no resettlement required	JICA
58	Construction of drain from Burir hat road to 24 Hazari	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 06		m	1350.00	1.30	NA	New Construction, no land acquisition & no resettlement required	ADP
59	Construction of drain from Burir hat road to pucca road near H/O Shaharul	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 06		m	1400.00	1.50	NA	New Construction, no land acquisition & no resettlement required	ADP
60	Construction of drain from Burir hat Anandalok Degree College to Bottola more	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 06		m	1400.00	1.45	NA	New Construction, no land acquisition & no resettlement required	ADP
61	Construction of drain from Burir hat Panabond Bridge to H/O Dr. Abdul Mannan	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 06		m	1200.00	1.10	NA	New Construction, no land acquisition & no resettlement required	JICA
62	Construction of drain from Burir hat road near Shutki Seconder to Dulal Godown.	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 06		m	1600.00	1.60	NA	New Construction, no land acquisition & no resettlement required	JICA
63	Construction of drain from 24 Hazari Nabadip Primary school to H/O Dukhu Mia	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 06		m	2100.00	2.20	NA	New Construction, no land acquisition & no resettlement required	ADP
64	Construction of drain starting from Burirhat Ananda Lok Degree college near Bot Tola towards west upto Doctor Para near hose of	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 06		m	1000.00	1.00	NA	New Construction, no land acquisition & no resettlement required	ADP

No.	Scheme Name	Work Category	Level of Work	Location		Unit	Qty	Cost*	Previous Study	Description	Source of Fund
				Area Name	No. on map						
	MNoshieur Rahman Dulal (ch.00 -1000.00m)										
65	Construction of drain beside Gojoghonta road.	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 06		m	3000.00	4.20	NA	New Construction, no land acquisition & no resettlement required	ADP
66	Construction of drain of Burirhat road	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 06		m	5000.00	8.50	NA	New Construction, no land acquisition & no resettlement required	JICA
67	Construction of drain from Burirhat road school to Amashu-Gojoghonta road via H/O Halam Diler	Roadside Drainage (Concrete Surface)	Rehabilitation/Upgrading	Ward no. 06		m	1500.00	1.60	NA	New Construction, no land acquisition & no resettlement required	MGSP
68	Rehabilitation & Slope protection work of Canal from Kaiagili Bridge to Lanpur Bridge near Amashu Kukrul	a) Re-exavation, b) Slope protection, c) Walkway & d) Beautification	Major Maintenance	Ward no. 06		m	7500.00	17.00	NA	Re-exavation, Slope protection & Beautification, no land acquisition & no resettlement required	JICA
69	Construction of drain from Kobaru H/O abed ali to H/O Motiar Master	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 06		m	1500.00	1.40	NA	New Construction, no land acquisition & no resettlement required	JICA
70	Construction of drain from Buddhir Bazar H/O Satta to H/O Rashid	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 07		m	1750.00	1.90	NA	New Construction, no land acquisition & no resettlement required	ADP
71	Construction of drain from Moina Kuthi field to Kamarer dao	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 07		m	5000.00	6.80	NA	New Construction, no land acquisition & no resettlement required	ADP
72	Construction of drain from Chorarhat road bylane Nayabazar to Cgowrabazar road	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 07		m	1700.00	1.80	NA	New Construction, no land acquisition & no resettlement required	ADP
73	Construction of drain from Gulal Budai road Bottola to Proffessor Jame Mosque	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 07		m	1300.00	1.20	NA	New Construction, no land acquisition & no resettlement required	ADP
74	Construction of drain from Chorarhat H/O Wadud to Proffessor Jame Mosque	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 07		m	700.00	0.60	NA	New Construction, no land acquisition & no resettlement required	ADP
75	Construction of drain from Moina Kuthi Taler Tol to H/O Tasir Member	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 07		m	1500.00	1.50	NA	New Construction, no land acquisition & no resettlement required	ADP

No.	Scheme Name	Work Category	Level of Work	Location		Unit	Qty	Cost*	Previous Study	Description	Source of Fund
				Area Name	No. on map						
76	Construction of drain from Chorarhat to Moina Kuthi road via Moina kuthi field	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 07		m	3200.00	4.20	NA	New Construction, no land acquisition & no resettlement required	ADP
77	Construction of drain from Haragach road bylane Shimuler tol to Boksha Jame Mosque	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 07		m	1200.00	1.20	NA	New Construction, no land acquisition & no resettlement required	JICA
78	Construction of drain from Budhu Komla road H/O Hafiz to Chand Kuthi	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 08		m	3200.00	3.80	NA	New Construction, no land acquisition & no resettlement required	MGSP
79	Construction of drain from Chandkuthi Sadbazar to ruveler Bazar	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 08		m	1600.00	1.60	NA	New Construction, no land acquisition & no resettlement required	ADP
80	Construction of drain from Al Mohazer para H/O Dr. par to Hazipara Bazar road	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 08		m	2300.00	2.50	NA	New Construction, no land acquisition & no resettlement required	ADP
81	Construction of drain from Vatiatary road Mohabbat Kha Govt. Primary School to Fulamer more	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 08		m	2200.00	2.40	NA	New Construction, no land acquisition & no resettlement required	ADP
82	Construction of drain from Uttamkuthi road Tapodhan UP road to Chilmon Chowrasta Bazar	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 08		m	1400.00	1.40	NA	New Construction, no land acquisition & no resettlement required	ADP
83	Construction of drain from Chandkuthi road to Hazir Bazar via Bodhukamla	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 08		m	2200.00	2.30	NA	New Construction, no land acquisition & no resettlement required	MGSP
84	Construction of drain from Mohabbat kha School to Ful Amartol	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 08		m	2000.00	2.20	NA	New Construction, no land acquisition & no resettlement required	ADP
85	Construction of drain from Mohabbat Kha School to Boro Mosque via Ruceler Bazar	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 08		m	3500.00	4.20	NA	New Construction, no land acquisition & no resettlement required	ADP
86	Construction of drain from Chandkuthi Bazar to Pakhira Bridge via Zaigirtari	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 08		m	2700.00	3.00	NA	New Construction, no land acquisition & no resettlement required	JICA
87	Construction of drain from Chandkuthi Halipad to H/O Mohabbat Kha	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 08		m	1300.00	1.30	NA	New Construction, no land acquisition & no resettlement required	ADP
88	Construction of drain beside Haragach road	Roadside Drainage	New	Ward no. 09		m	5000.00	8.50	NA	New Construction, no	JICA

No.	Scheme Name	Work Category	Level of Work	Location		Unit	Qty	Cost*	Previous Study	Description	Source of Fund
				Area Name	No. on map						
	from Mistrypara Brige to Shahebgonj Bazar	(Concrete Surface)	Construction							land acquisition & no resettlement required	
89	Construction of drain from Haragach road bylane Kakina road to Botola road	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 09		m	1500.00	1.60	NA	New Construction, no land acquisition & no resettlement required	JICA
90	Construction of drain from Balatari road H/O Shapan to Balatary BC road	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 09		m	600.00	0.54	NA	New Construction, no land acquisition & no resettlement required	ADP
91	Construction of drain from Haragach road bylane H/O Dr. Shaheder to Mohishlar more	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 09		m	2300.00	2.40	NA	New Construction, no land acquisition & no resettlement required	ADP
92	Construction of drain from Hazipara Govt. Primary School to Chowkiderer more	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 09		m	600.00	0.54	NA	New Construction, no land acquisition & no resettlement required	ADP
93	Construction of drain from Haragach road bylane Shop of Shariful to Mohisher more	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 09		m	1800.00	1.90	NA	New Construction, no land acquisition & no resettlement required	JICA
94	Construction of drain from Chilmon road Shahebgonj Bazar to Chilmon Chowrasta road	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 09		m	1700.00	1.80	NA	New Construction, no land acquisition & no resettlement required	JICA
95	Construction of drain from Kishamot road Topodhan road bylane to Abdul Kader road	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 09		m	900.00	0.81	NA	New Construction, no land acquisition & no resettlement required	ADP
96	Construction of drain starting from H/O. Moulana Syed at Cigarette co. road upto H/O. Mr. Salam	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 09		m	600.00	0.54	NA	New Construction, no land acquisition & no resettlement required	ADP
97	Construction of drain of Shahebgonj road bylane	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 09		m	2500.00	3.00	NA	New Construction, no land acquisition & no resettlement required	ADP
98	Construction of drain Baharkachna road bylane	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 09		m	3000.00	4.10	NA	New Construction, no land acquisition & no resettlement required	ADP
99	Construction of drain Bara Bazar road & bylane	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 09		m	3000.00	3.60	NA	New Construction, no land acquisition & no resettlement required	ADP
100	Construction of drain from Topodhan to Sahebpur bazar	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 09		m	3000.00	3.60	NA	New Construction, no land acquisition & no	ADP

No.	Scheme Name	Work Category	Level of Work	Location		Unit	Qty	Cost*	Previous Study	Description	Source of Fund
				Area Name	No. on map						
										resettlement required	
101	Construction of drain Topodhan road & bylane	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 10		m	3000.00	3.50	NA	New Construction, no land acquisition & no resettlement required	ADP
102	Construction of drain from Jagadishpur road bylane Jagadish road to Masuapara road & Panbazar road to Jagadishpur road.	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 10		m	1900.00	2.00	NA	New Construction, no land acquisition & no resettlement required	ADP
103	Construction of drain from West Gilabari road H/O Tajul to H/O Hemonta	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 10		m	2100.00	2.20	NA	New Construction, no land acquisition & no resettlement required	ADP
104	Construction of drain from Eastt Gilabari road Jagadishpur Health Complex to Baoaiapara bridge	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 10		m	3400.00	4.20	NA	New Construction, no land acquisition & no resettlement required	ADP
105	Construction of drain from Panbazar road bylane Chaderhat to H/O Mr. Nuruzzaman	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 10		m	3000.00	4.00	NA	New Construction, no land acquisition & no resettlement required	JICA
106	Construction of drain from Derhalia road Kandeipur Eidgah more to Badher Bridge	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 10		m	2300.00	2.60	NA	New Construction, no land acquisition & no resettlement required	MGSP
107	Construction of drain starting from Adarshagram Chairman's moure at Baktiarpur up to CO Bazar Chowrapara road via masuapara & Uchatari	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 10		m	3000.00	4.10	NA	New Construction, no land acquisition & no resettlement required	ADP
108	Construction of drain from Keranirhat Saw mill to Keranirhat road	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 11		m	1900.00	2.20	NA	New Construction, no land acquisition & no resettlement required	JICA
109	Construction of drain from East Rajendrapur Mostapur road Primary School to Nazirerhat road	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 11		m	1500.00	1.60	NA	New Construction, no land acquisition & no resettlement required	ADP
110	Construction of drain from East Rajendrapur Napitpara road to Laksmir Mill	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 11		m	1200.00	1.20	NA	New Construction, no land acquisition & no resettlement required	ADP
111	Construction of drain from Panbazar road bylane Danghat Masterpara road Panbazar to H/O Protap Babu & H/O Gogendranath to Panbazar	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 11		m	1200.00	1.20	NA	New Construction, no land acquisition & no resettlement required	ADP
112	Construction of drain from Kamdevpur road	Roadside Drainage	New	Ward no. 11		m	1300.00	1.35	NA	New Construction, no	ADP

No.	Scheme Name	Work Category	Level of Work	Location		Unit	Qty	Cost*	Previous Study	Description	Source of Fund
				Area Name	No. on map						
	H/O Councilor Abdur Razzak to Kamdevpur road	(Concrete Surface)	Construction							land acquisition & no resettlement required	
113	Construction of drain from Badargonj road bylane Badargonj road to Shalmara road	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 11		m	1200.00	1.20	NA	New Construction, no land acquisition & no resettlement required	JICA
114	Construction of drain from Nisbetgonj Bridge to Nazirerhat	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 11		m	3000.00	4.50	NA	New Construction, no land acquisition & no resettlement required	JICA
115	Construction of drain from Nazirer hat to Napitpara Parathi Sharathi Mondir	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 11		m	1300.00	1.40	NA	New Construction, no land acquisition & no resettlement required	ADP
116	Construction of drain from Napitpara road bylane Napitpara to Shalamara road	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 11		m	3500.00	4.50	NA	New Construction, no land acquisition & no resettlement required	ADP
117	Construction of drain from Nazirer hat road bylane H/O Rathindra Chandra to H/O Bidya Thakur	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 11		m	600.00	0.54	NA	New Construction, no land acquisition & no resettlement required	ADP
118	Construction of drain from Shalmara road bylane Gongdashpara road H/O Mintu to H/O Mr. Azizul	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 11		m	1200.00	1.20	NA	New Construction, no land acquisition & no resettlement required	ADP
119	Construction of drain from Kanpara road to Panbazar road	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 11		m	2500.00	2.70	NA	New Construction, no land acquisition & no resettlement required	ADP
120	Construction of drain Pan bazar Bylane starting from south of Ghater par bridge to Kutipara via Jugitari road (Chottapara)	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 11		m	2000.00	2.10	NA	New Construction, no land acquisition & no resettlement required	ADP
121	Construction of drain from Rangpur Cantonment to Pan bazar road.	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 11		m	5500.00	7.20	NA	New Construction, no land acquisition & no resettlement required	JICA
122	Construction of drain from Shampur road to Murgir Farm via H/O Hamid Cashier & H/O Dhakaia	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 11		m	1500.00	1.60	NA	New Construction, no land acquisition & no resettlement required	ADP
123	Construction of drain from Hazir hat to Keranir hat road	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 02, 11		m	4000.00	5.60	NA	New Construction, no land acquisition & no resettlement required	JICA
124	Construction of drain from Nazirer hat to Radha krishnapur	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 11		m	2000.00	2.50	NA	New Construction, no land acquisition & no	MGSP

No.	Scheme Name	Work Category	Level of Work	Location		Unit	Qty	Cost*	Previous Study	Description	Source of Fund
				Area Name	No. on map						
										resettlement required	
125	Construction of drain from Badargonj road bylane Chalk Isubpur Primary School to Shalamara road	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 12		m	1500.00	1.60	NA	New Construction, no land acquisition & no resettlement required	JICA
126	Construction of drain from Badargonj road bylane Golden Cold Storage to Shalmarara road	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 12		m	1000.00	1.00	NA	New Construction, no land acquisition & no resettlement required	JICA
127	Construction of drain from Badargonj road bylane West Gopnathpur forkania Madrasa & Eidgah road	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 12		m	2000.00	2.10	NA	New Construction, no land acquisition & no resettlement required	ADP
128	Construction of drain from West Gopnathpur road H/O Fattar Mia to H/O Badsha Mia	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 12		m	1500.00	1.60	NA	New Construction, no land acquisition & no resettlement required	ADP
129	Construction of drain from Radha Krishnapur road H/O abu Seken to Kashem Bazar Shampur road	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 12		m	4000.00	5.30	NA	New Construction, no land acquisition & no resettlement required	ADP
130	Construction of drain from Shampur road bylane Bhatar Mosque to Badargonj road Shimultola	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 12		m	2000.00	2.30	NA	New Construction, no land acquisition & no resettlement required	ADP
131	Construction of drain from Cantenment 2 nos. checkpost to Guch-chha gram via Madrasa.	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 13		m	2000.00	2.40	NA	New Construction, no land acquisition & no resettlement required	JICA
132	Construction of drain Nisbetgonj road bylane	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 13		m	3000.00	4.10	NA	New Construction, no land acquisition & no resettlement required	MGSP
133	Construction of drain of Jugipara road & bylane	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 13		m	2500.00	2.80	NA	New Construction, no land acquisition & no resettlement required	ADP
134	Construction of drain from Pirjabad Chowrasta to President more	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 13		m	500.00	0.45	NA	New Construction, no land acquisition & no resettlement required	ADP
135	Construction of drain from Pirjabad Rahamatia Jame Mosque to Chowrasta more	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 13		m	500.00	0.45	NA	New Construction, no land acquisition & no resettlement required	ADP
136	Construction of drain road from Satgara Mohirer more to Barabari Hat	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 13		m	5000.00	7.10	NA	New Construction, no land acquisition & no resettlement required	ADP

No.	Scheme Name	Work Category	Level of Work	Location		Unit	Qty	Cost*	Previous Study	Description	Source of Fund
				Area Name	No. on map						
137	Construction of drain from Kalai Khaoar Dighi to Shop of Mukul	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 13		m	400.00	0.32	NA	New Construction, no land acquisition & no resettlement required	ADP
138	Construction of drain from Jugipara Belaler more to Maserbari pucca road	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 13		m	1200.00	1.20	NA	New Construction, no land acquisition & no resettlement required	JICA
139	Construction of drain from H/O Banier to H/O Shapan	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 13		m	1500.00	1.60	NA	New Construction, no land acquisition & no resettlement required	ADP
140	Construction of drain from H/O azizer Driver to Shop of Babu	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 13, 14		m	1500.00	1.60	NA	New Construction, no land acquisition & no resettlement required	ADP
141	Construction of drain from Monoharpur Uttarpura road to H/O Azizul	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 14		m	1700.00	1.90	NA	New Construction, no land acquisition & no resettlement required	ADP
142	Construction of drain beside Monoharpur road & bylane	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 14		m	2200.00	2.40	NA	New Construction, no land acquisition & no resettlement required	ADP
143	Construction of drain beside Satgara Up to Golagonj hat.	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 14		m	2700.00	3.40	NA	New Construction, no land acquisition & no resettlement required	JICA
144	Construction of drain from central Bus stand to Barobari hat road	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 14		m	4000.00	5.60	NA	New Construction, no land acquisition & no resettlement required	JICA
145	Construction of drain from 20 Megawatt to Morishtari Barobari pucca road	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 14		m	1500.00	1.60	NA	New Construction, no land acquisition & no resettlement required	ADP
146	Construction of drain beside Badargonj road bylane.	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 14		m	2000.00	2.50	NA	New Construction, no land acquisition & no resettlement required	ADP
147	Construction of drain from Darshana more to Sutra Jame Mosque	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 15		m	550.00	0.45	NA	New Construction, no land acquisition & no resettlement required	BMDP
148	Construction of drain from Akkelpur Bottola to Akkelpur Kacha road	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 15		m	1100.00	1.10	NA	New Construction, no land acquisition & no resettlement required	ADP
149	Construction of drain from Harirampur H/O	Roadside Drainage	New	Ward no. 15		m	2500.00	2.75	NA	New Construction, no	ADP

No.	Scheme Name	Work Category	Level of Work	Location		Unit	Qty	Cost*	Previous Study	Description	Source of Fund
				Area Name	No. on map						
	Shamsul to Bhurarghat Hafizer Mill	(Concrete Surface)	Construction							land acquisition & no resettlement required	
150	Construction of drain from Binodpur Kishan Cold Storage to Akkelpur High school	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 15		m	1000.00	1.00	NA	New Construction, no land acquisition & no resettlement required	ADP
151	Construction of drain from Modern more Dimond Hotel to R.K road Shutki Godown	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 15		m	1200.00	1.08	NA	New Construction, no land acquisition & no resettlement required	JICA
152	Construction of drain Nishbetgonj to Bhurarghat bridge via Satgara.	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 13,15		m	3000.00	3.60	NA	New Construction, no land acquisition & no resettlement required	JICA
153	Construction of drain beside Bhurarghat road.	Roadside Drainage (Concrete Surface)	Rehabilitation/U pgrading	Ward no. 13,15		m	2500.00	2.70	NA	New Construction, no land acquisition & no resettlement required	ADP
154	Construction of drain from Dhap Hazi para to Pakar matha	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 16		m	900.00	0.80	NA	New Construction, no land acquisition & no resettlement required	MGSP
155	Construction of drain from shop of Ex Commissioner Nurul Haque to Shyama Sundari Canal	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 16		m	600.00	0.50	NA	New Construction, no land acquisition & no resettlement required	DTIDP
156	Construction of drain from H/O Moti to Chowrapara Fuel Station to Kellabond Sluice Gate via CO bazar & Connecting Drain back sihe of Upazilla Office	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 16		m	2700.00	3.20	NA	New Construction, no land acquisition & no resettlement required	JICA
157	Construction of drain from Dhap 4 storied Mosque to Lakuthi more to Checkpost to Lalkuthi School	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 16		m	1500.00	1.60	NA	New Construction, no land acquisition & no resettlement required	JICA
158	Construction of drain from Kellabond Mosque to Uttam School via Juenalist Mounul Islam & link Shop of Azam	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 16		m	2400.00	2.70	NA	New Construction, no land acquisition & no resettlement required	JICA
159	Construction of drain from H/O ex Councillor Nurul Haque to BCIC road & beside BCIC road & Link	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 16		m	2100.00	2.03	NA	New Construction, no land acquisition & no resettlement required	JICA
160	Construction of drain from Hazipara more to BDR drain via ex Councillor Nur mohammad House & link Aftab School	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 16		m	2300.00	2.60	NA	New Construction, no land acquisition & no resettlement required	JICA
161	Construction of drain from Medical more to	Roadside Drainage	New	Ward no. 16		m	1300.00	1.30	NA	New Construction, no	MGSP

No.	Scheme Name	Work Category	Level of Work	Location		Unit	Qty	Cost*	Previous Study	Description	Source of Fund
				Area Name	No. on map						
	BGB Market	(Concrete Surface)	Construction							land acquisition & no resettlement required	
162	Construction of drain from Dhap Police Fari to Sena auditorium & link Ridom clinic & H/O Ratan	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 16		m	1100.00	1.10	NA	New Construction, no land acquisition & no resettlement required	JICA
163	Construction of drain beside Parbotipur road & bylane	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 17		m	3500.00	4.30	NA	New Construction, no land acquisition & no resettlement required	B MDF
164	Construction of drain beside Islambug internal road	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 17		m	3200.00	4.20	NA	New Construction, no land acquisition & no resettlement required	JICA
165	Construction of drain at R.K road starting from T.V Centre to Check post	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 17		m	1500.00	1.60	NA	New Construction, no land acquisition & no resettlement required	MGSP
166	Construction of drain from Central Bus Terminal to Ghaghot River	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 17, 28		m	5000.00	7.00	NA	New Construction, no land acquisition & no resettlement required	JICA
167	Re-construction of drain from Keranipar Chourasta to PTI Bridge	Roadside Drainage (Concrete Surface)	Rehabilitation by RCC drain	Ward no. 17		m	1100.00	1.50	NA	Rehabilitate Damaged Brick drain by RCC Drain	ADP
168	Construction of drain from Medical more to Check post	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 17		m	600.00	1.20	NA	New Construction, no land acquisition & no resettlement required	JICA
169	Construction of drain from Satgara Kamil Madrasa to MP Checkpost	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 17		m	3000.00	2.70	NA	New Construction, no land acquisition & no resettlement required	JICA
170	Construction of drain from Bhogi Kallakhaowr more to Shantidhara	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 17		m	5000.00	7.50	NA	New Construction, no land acquisition & no resettlement required	ADP
171	Construction of drain from Cantonment road bylane H/O Shahider to Motiner more	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 17		m	5000.00	7.50	NA	New Construction, no land acquisition & no resettlement required	MGSP
172	Construction of drain from Sultan more H/O Shadhin to Badorgonj road	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 17		m	2000.00	2.10	NA	New Construction, no land acquisition & no resettlement required	ADP
173	Construction of drain from Satgara H/O Shaheen to Satgara Madrasa	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 17		m	2000.00	2.10	NA	New Construction, no land acquisition & no	JICA

No.	Scheme Name	Work Category	Level of Work	Location		Unit	Qty	Cost*	Previous Study	Description	Source of Fund
				Area Name	No. on map						
										resettlement required	
174	Construction of drain from Purba Vogri H/O Shahider to Nengrar more	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 17		m	3000.00	3.50	NA	New Construction, no land acquisition & no resettlement required	JICA
175	Construction of drain from 2 no MP Checkpost to Misbetgonj road via H/O sujit	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 17		m	800.00	0.80	NA	New Construction, no land acquisition & no resettlement required	JICA
176	Construction of drain from Pirzabad Rahmania Mosque to Shop of Salam via H/O Jalil	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 17		m	2000.00	2.10	NA	New Construction, no land acquisition & no resettlement required	ADP
177	Construction of drain from Pirzabad vorka para Badargonj road to H/O Adv. Bokul via H/O Opsi	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 17		m	600.00	0.54	NA	New Construction, no land acquisition & no resettlement required	ADP
178	Construction of drain from Badargonj road Dargarpar to H/O Lecturer Mostafa	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 17		m	600.00	0.50	NA	New Construction, no land acquisition & no resettlement required	ADP
179	Construction of drain from Prime Medical College to Rampura Danbaxo	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 17		m	550.00	0.40	NA	New Construction, no land acquisition & no resettlement required	ADP
180	Construction of drain from Satgara Mistrypara road	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 18		m	2100.00	1.90	NA	New Construction, no land acquisition & no resettlement required	JICA
181	Construction of drain beside Munshipara road	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 18		m	500.00	0.55	NA	New Construction, no land acquisition & no resettlement required	ADP
182	Construction of drain from Keranipara Garian tari to Nasirabad Mosque	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 18		m	500.00	0.60	NA	Rehabilitate Damaged Brick drain by RCC Drain	MGSP
183	Construction of drain beside Nisbetgonj road	Roadside Drainage (Concrete Surface)	Rehabilitation by RCC drain	Ward no. 18		m	2200.00	3.50	NA	Rehabilitate Damaged Brick drain by RCC Drain	JICA
184	Construction of drain beside Dewanbari road	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 18, 20		m	2100.00	2.50	NA	New Construction, no land acquisition & no resettlement required	JICA
185	Construction of drain beside Lichubagan road	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 18		m	2500.00	1.80	NA	New Construction, no land acquisition & no resettlement required	ADP

No.	Scheme Name	Work Category	Level of Work	Location		Unit	Qty	Cost*	Previous Study	Description	Source of Fund
				Area Name	No. on map						
186	Construction of drain beside Keranipara Kakina Kuthi road	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 18		m	1800.00	1.60	NA	New Construction, no land acquisition & no resettlement required	JICA
187	Construction of drain Beside Salema Khatun road	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 19		m	1200.00	0.90	NA	New Construction, no land acquisition & no resettlement required	JICA
188	Construction of drain from Burirhat road Pakar matha to East side of Shakati Bridge	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 19		m	700.00	0.70	NA	New Construction, no land acquisition & no resettlement required	JICA
189	Construction of drain at Dhap Ganganath road From Lalkuthi more to Burirhat road	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 16,19		m	1000.00	0.80	NA	Rehabilitate Damaged Brick drain by RCC Drain	MGSP
190	Construction of drain from old Desh Clinic to Gonganath road	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 19		m	1300.00	1.10	NA	New Construction, no land acquisition & no resettlement required	JICA
191	Construction of drain from Radhaballave more to Water Supply Office	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 19		m	700.00	0.50	NA	New Construction, no land acquisition & no resettlement required	ADP
192	Construction of drain from Burirhat road bylane to Chickly Lake	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 19		m	1200.00	1.02	NA	New Construction, no land acquisition & no resettlement required	B MDF
193	Construction of drain beside Dhap Engineerpara road & bylane	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 19		m	2100.00	1.90	NA	New Construction, no land acquisition & no resettlement required	MGSP
194	Construction of drain beside Nilkantha road	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 19		m	2100.00	1.90	NA	New Construction, no land acquisition & no resettlement required	JICA
195	Construction of drain at road side of Mulatol road & bylane	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 20		m	3000.00	3.10	NA	New Construction, no land acquisition & no resettlement required	JICA
196	Construction of drain from Mulatol Pukur par to Guratipara via Hindupara Madrasha	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 20		m	600.00	0.50	NA	Rehabilitate Damaged Brick drain by RCC Drain	JICA
197	Construction of drain starting from behind of Kotwali thana to Mulatol Madrasha.	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 20		m	700.00	0.85	NA	New Construction, no land acquisition & no resettlement required	JICA

No.	Scheme Name	Work Category	Level of Work	Location		Unit	Qty	Cost*	Previous Study	Description	Source of Fund
				Area Name	No. on map						
198	Construction of drain beside Guratipara road	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 20		m	2100.00	2.10	NA	New Construction, no land acquisition & no resettlement required	JICA
199	Construction of drain Mulatol road to Dewanbari road via Pakpara	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 20		m	1000.00	0.95	NA	New Construction, no land acquisition & no resettlement required	JICA
200	Construction of drain beside Internal road of Palpara	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 20		m	1100.00	1.25	NA	New Construction, no land acquisition & no resettlement required	MGSP
201	Construction of drain beside Mulatol Bank Colony road	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 20		m	1000.00	0.90	NA	New Construction, no land acquisition & no resettlement required	JICA
202	Construction of drain beside Gomostapara Lichubagan	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 20		m	500.00	0.35	NA	New Construction, no land acquisition & no resettlement required	ADP
203	Construction of drain beside Choul Amod road, Betptty & Lahapotty road upto Shyma Sundari Canal	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 20		m	1500.00	1.60	NA	New Construction, no land acquisition & no resettlement required	MGSP
204	Construction of drain beside Dhopapotty road & Beltola road	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 20		m	800.00	0.80	NA	New Construction, no land acquisition & no resettlement required	JICA
205	Construction of drain along the Abhawa office road.	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 21		m	1500.00	1.20	NA	New Construction, no land acquisition & no resettlement required	JICA
206	Construction of drain along Senpara road & bylane	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 21		m	2500.00	3.20	NA	New Construction, no land acquisition & no resettlement required	JICA
207	Re-cConstruction of drain Beside Asarshapara road bylane	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 21		m	2600.00	3.50	NA	Rehabilitate Damaged Brick drain by RCC Drain	JICA
208	Construction of drain from Abhawa Office road H/O Mr. Mizan to H/O Moinul Haque	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 21		m	600.00	0.60	NA	New Construction, no land acquisition & no resettlement required	ADP
209	Construction of drain from Shapla Chattar to Dhaka Coach Stand along Terminal road	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 21		m	425.00	0.55	NA	New Construction, no land acquisition & no resettlement required	B MDF

No.	Scheme Name	Work Category	Level of Work	Location		Unit	Qty	Cost*	Previous Study	Description	Source of Fund
				Area Name	No. on map						
210	Construction of drain from RM Sanitary to Earshad bridge along Ershad road	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 21		m	1000.00	1.50	NA	New Construction, no land acquisition & no resettlement required	JICA
211	Construction of drain from New Adorshapara H/O Iwbal to Shop of Mr. Kamal	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 21		m	600.00	0.45	NA	New Construction, no land acquisition & no resettlement required	MGSP
212	Construction of drain from Habibia Mosque to H/O Driver Shaju through Primary School	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 21		m	525.00	0.40	NA	New Construction, no land acquisition & no resettlement required	MGSP
213	Construction of drain from Golden Tower to Grand hotel more	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 21		m	1500.00	2.10	NA	New Construction, no land acquisition & no resettlement required	JICA
214	Construction of drain beside Babu Khaon road	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 22		m	3000.00	4.00	NA	New Construction, no land acquisition & no resettlement required	JICA
215	Construction of drain from Kamar para to Babukhaon road.	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 22		m	400.00	0.45	NA	New Construction, no land acquisition & no resettlement required	MGSP
216	Construction of drain from Gonespur more to T.K road. & bylane	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 22		m	2000.00	2.40	NA	New Construction, no land acquisition & no resettlement required	JICA
217	Construction of drain from Babukha road to Goneshpur road	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 22		m	2100.00	1.85	NA	New Construction, no land acquisition & no resettlement required	JICA
218	Construction of drain from Terminai road to Bokultola road	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 22		m	1400.00	1.30	NA	New Construction, no land acquisition & no resettlement required	JICA
219	Construction of drain from Terminai road Baitul Mamur Mosque to Goneshpur road	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 22		m	1100.00	0.95	NA	New Construction, no land acquisition & no resettlement required	JICA
220	Construction of drain from 20 Megawatt to Lalbag road	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 22		m	1000.00	1.20	NA	New Construction, no land acquisition & no resettlement required	JICA
221	Construction of drain from Central Bus Terminal to Modern more Ghahhot River	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 22		m	4000.00	5.80	NA	New Construction, no land acquisition & no resettlement required	JICA

No.	Scheme Name	Work Category	Level of Work	Location		Unit	Qty	Cost*	Previous Study	Description	Source of Fund
				Area Name	No. on map						
222	Construction of drain from Babukha Abur more to Goneshpur road & Babukha H/O Anser Member to Goneshpur road	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 22		m	1200.00	1.10	NA	New Construction, no land acquisition & no resettlement required	ADP
223	Construction of drain from Babukha Moddhapara Jame Mosque to Babukha Post Office & towards east upto Kamarpara road	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 22		m	1600.00	1.40	NA	New Construction, no land acquisition & no resettlement required	ADP
224	Construction of drain from Babukha road to Goneshpur road via Bakultola	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 22		m	1200.00	1.10	NA	New Construction, no land acquisition & no resettlement required	JICA
225	Construction of drain from R.K road to H/O Minu Driver	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 22		m	600.00	0.50	NA	New Construction, no land acquisition & no resettlement required	ADP
226	Construction of drain from South Babukha H/O Faraz Mia to Babukha High School	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 22		m	900.00	0.80	NA	New Construction, no land acquisition & no resettlement required	ADP
227	Construction of drain from Terminal road to Shantidhara	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 22		m	800.00	0.60	NA	New Construction, no land acquisition & no resettlement required	ADP
228	Construction of drain beside Goneshpur Hindupara road	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 22		m	0.50	0.40	NA	New Construction, no land acquisition & no resettlement required	ADP
229	Construction of drain from East Kamarpara road to Babukha Haque para via Khaleque Member	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 22		m	0.70	0.55	NA	New Construction, no land acquisition & no resettlement required	ADP
230	Construction of Drain starting from Backside of Zilla School to Hnumantola more to KD Canal Bridge & Police Line road	Roadside Drainage (Concrete Surface)	Rehabilitation by RCC drain	Ward no. 23		m	1500.00	2.30	NA	Rehabilitate Damaged Brick drain by RCC Drain	JICA
231	Construction of drain from Jalkor More to Chickly Btdige	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 23		m	1500.00	1.80	NA	New Construction, no land acquisition & no resettlement required	JICA
232	Construction of drain Jummapara Sadar Jame Mosque to Haragach road	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 23		m	1400.00	1.25	NA	New Construction, no land acquisition & no resettlement required	JICA
233	Construction of drain from Sweeper Colony to K.D canal.	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 23		m	810.00	0.80	NA	New Construction, no land acquisition & no resettlement required	JICA

No.	Scheme Name	Work Category	Level of Work	Location		Unit	Qty	Cost*	Previous Study	Description	Source of Fund
				Area Name	No. on map						
234	Construction of drain from Jalkor muore to K.D Canal	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 23		m	400.00	0.45	NA	New Construction, no land acquisition & no resettlement required	JICA
235	Construction of drain beside Fakir Mohammad road & bylane	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 23		m	2700.00	3.40	NA	New Construction, no land acquisition & no resettlement required	JICA
236	Construction of drain beside New Jummapara road bylane	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 23		m	1100.00	0.90	NA	New Construction, no land acquisition & no resettlement required	ADP
237	Construction of drain from Gutighar School road to Circular road & bylane	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 23		m	2100.00	1.70	NA	New Construction, no land acquisition & no resettlement required	ADP
238	Construction of drain from Jalkar road to Jummapa roa & link road	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 23		m	2700.00	2.40	NA	New Construction, no land acquisition & no resettlement required	ADP
239	Construction of drain Beside Mauamoyee road	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 24		m	1200.00	0.90	NA	New Construction, no land acquisition & no resettlement required	B MDF
240	Construction of Tatipara drain staring from Pirgachha Bus stand to Tati para existing drain	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 24		m	550.00	1.00	NA	New Construction, no land acquisition & no resettlement required	JICA
241	Re-construction of drain beside SMC road Guptapara	Roadside Drainage (Concrete Surface)	Rehabilitation by RCC drain	Ward no. 24		m	700.00	0.70	NA	Rehabilitate Damaged Brick drain by RCC Drain	JICA
242	Re-construction of drain beside AT Lahiri road	Roadside Drainage (Concrete Surface)	Rehabilitation by RCC drain	Ward no. 24		m	1100.00	0.95	NA	Rehabilitate Damaged Brick drain by RCC Drain	MGSP
243	Re-construction of drain beside Guptapara Internal road	Roadside Drainage (Concrete Surface)	Rehabilitation by RCC drain	Ward no. 24		m	1500.00	1.20	NA	Rehabilitate Damaged Brick drain by RCC Drain	JICA
244	Re-construction of drain beside SC Mojumder road & bylane	Roadside Drainage (Concrete Surface)	Rehabilitation by RCC drain	Ward no. 24		m	1100.00	0.90	NA	Rehabilitate Damaged Brick drain by RCC Drain	MGSP
245	Re-construction of drain beside Guptapara to Noorpur road	Roadside Drainage (Concrete Surface)	Rehabilitation by RCC drain	Ward no. 24		m	1500.00	1.20	NA	Rehabilitate Damaged Brick drain by RCC Drain	JICA

No.	Scheme Name	Work Category	Level of Work	Location		Unit	Qty	Cost*	Previous Study	Description	Source of Fund
				Area Name	No. on map						
246	Re-construction of drain from Milinir more to Tatipara bridge	Roadside Drainage (Concrete Surface)	Rehabilitation by RCC drain	Ward no. 24		m	1500.00	1.40	NA	Rehabilitate Damaged Brick drain by RCC Drain	JICA
247	Construction of drain beside Boiragipara road & bylane	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 24		m	2500.00	2.30	NA	New Construction, no land acquisition & no resettlement required	JICA
248	Construction of drain at J.L Roy road	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 23, 24, 28	m	2x36 50.0 0	10.00		NA	New Construction, no land acquisition & no resettlement required	JICA
249	Construction of drain at Central road	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 25		m	2x1200.0 0	4.00	NA	New Construction, no land acquisition & no resettlement required	JICA
250	Construction of drain Beside Shikhangon road	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 25		m	1100.00	0.80	NA	New Construction, no land acquisition & no resettlement required	MGSP
251	Construction of drain Beside Polytechnic road	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 25		m	1200.00	1.00	NA	New Construction, no land acquisition & no resettlement required	JICA
252	Construction of drain from Mouvasa to KD Canal	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 25		m	1100.00	1.85	NA	New Construction, no land acquisition & no resettlement required	MGSP
253	Construction of drain from Shalbon Indra more to KD Canal	Roadside Drainage (Concrete Surface)	Rehabilitation by RCC drain	Ward no. 25		m	1000.00	1.40	NA	New Construction, no land acquisition & no resettlement required	JICA
254	Construction of drain from Mistrypara more to KD Canal bridge towards Haragach	Roadside Drainage (Concrete Surface)	Rehabilitation by RCC drain	Ward no. 25		m	1100.00	1.30	NA	New Construction, no land acquisition & no resettlement required	JICA
255	Construction of drain from Shalbon Indra more to Botla more	Roadside Drainage (Concrete Surface)	Rehabilitation by RCC drain	Ward no. 25		m	1500.00	1.70	NA	Rehabilitate Damaged Brick drain by RCC Drain	JICA
256	Construction of drain beside Bitla road	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 25		m	600.00	0.50	NA	New Construction, no land acquisition & no resettlement required	MGSP
257	Construction of drain beside Shahipara road	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 25		m	900.00	0.70	NA	New Construction, no land acquisition & no resettlement required	MGSP

No.	Scheme Name	Work Category	Level of Work	Location		Unit	Qty	Cost*	Previous Study	Description	Source of Fund
				Area Name	No. on map						
258	Construction of drain beside Bhabasundari road	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 25		m	500.00	0.70	NA	New Construction, no land acquisition & no resettlement required	JICA
259	Construction of drain from Mohadebpur Kalam's Godown to Mohadebpur Jame Mosque.	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 26		m	800.00	0.55	NA	New Construction, no land acquisition & no resettlement required	MGSP
260	Construction of drain beside Robertsongonj and Mondalpara road	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 26		m	2300.00	2.10	NA	New Construction, no land acquisition & no resettlement required	MGSP
261	Construction of drain beside Noorpur Internal road	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 26		m	2500.00	2.20	NA	New Construction, no land acquisition & no resettlement required	JICA
262	Construction of drain from Robertsonganj saw mill to Mondolpara Bridge.	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 26		m	900.00	0.80	NA	New Construction, no land acquisition & no resettlement required	JICA
263	Construction of drain from Mohadebpur Kalam Godown to Mohadebpur Mosque road	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 26		m	1200.00	0.95	NA	New Construction, no land acquisition & no resettlement required	JICA
264	Construction of drain from Noorpur Chararpar and Graveyard road	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 26		m	1100.00	0.90	NA	New Construction, no land acquisition & no resettlement required	JICA
265	Construction of drain from Obat School to Rabartsongonj Water Tank road	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 26		m	500.00	0.35	NA	New Construction, no land acquisition & no resettlement required	MGSP
266	Re-construction of drain from Ghorapir Mazar to Robertsongonj & bylane	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 26		m	1600.00	1.40	NA	Rehabilitate Damaged Brick drain by RCC Drain	ADP
267	Re-construction of drain from Noorpur Choto Graveyard to Station road via Noorpur Bobo Graveyard	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 26		m	2500.00	2.50	NA	Rehabilitate Damaged Brick drain by RCC Drain	ADP
268	Construction of drain from Modebpur road Robertsongonj & bylane	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 26		m	1500.00	1.40	NA	New Construction, no land acquisition & no resettlement required	MGSP
269	Construction of drain from Babupara road to city biscuit factory	Roadside Drainage (Concrete Surface)	Rehabilitation by RCC drain	Ward no. 27		m	600.00	0.50	NA	Rehabilitate Damaged Brick drain by RCC Drain	MGSP

No.	Scheme Name	Work Category	Level of Work	Location		Unit	Qty	Cost*	Previous Study	Description	Source of Fund
				Area Name	No. on map						
270	Construction of drain beside Khamarpara Internal road	Roadside Drainage (Concrete Surface)	Rehabilitation by RCC drain	Ward no. 27		m	2500.00	2.10	NA	New Construction, no land acquisition & no resettlement required	JICA
271	Construction of drain beside Muslimpara road	Roadside Drainage (Concrete Surface)	Rehabilitation by RCC drain	Ward no. 27		m	900.00	0.80	NA	New Construction, no land acquisition & no resettlement required	MGSP
272	Construction of drain beside Alamnagar Colony & Internal road road	Roadside Drainage (Concrete Surface)	Rehabilitation by RCC drain	Ward no. 27		m	2500.00	2.50	NA	New Construction, no land acquisition & no resettlement required	JICA
273	Construction of drain beside Station road from Shapla Chattar to Babupara Railgate & Link Station	Roadside Drainage (Concrete Surface)	Rehabilitation by RCC drain	Ward no. 27		m	2x2500	7.50	NA	New Construction, no land acquisition & no resettlement required	JICA
274	Construction of drain from Pirpur School to College road & bylane	Roadside Drainage (Concrete Surface)	Rehabilitation by RCC drain	Ward no. 27		m	3000.00	3.10	NA	New Construction, no land acquisition & no resettlement required	ADP
275	Construction of drain beside Thikadarpara road & bylane	Roadside Drainage (Concrete Surface)	Rehabilitation by RCC drain	Ward no. 27		m	2700.00	2.80	NA	New Construction, no land acquisition & no resettlement required	MGSP
276	Construction of drain from Ghorapir Mazar to Alamnagar colony & bylane	Roadside Drainage (Concrete Surface)	Rehabilitation by RCC drain	Ward no. 27		m	2100.00	2.10	NA	New Construction, no land acquisition & no resettlement required	ADP
277	Construction of drain along R.K Road at Mahigonj to Chalkbazar via Tajhat.	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 28		m	900.00	1.10	NA	New Construction, no land acquisition & no resettlement required	JICA
278	Construction of drain beside Darshana road	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 28		m	2500.00	3.20	NA	New Construction, no land acquisition & no resettlement required	JICA
279	Construction of drain beside Collegepara road	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 28		m	1200.00	1.10	NA	New Construction, no land acquisition & no resettlement required	MGSP
280	Construction of drain beside Dhakaiapara road	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 28		m	900.00	0.70	NA	New Construction, no land acquisition & no resettlement required	JICA
281	Construction of drain from Babupara Rail gate to R.K road	Roadside Drainage (Concrete Surface)	Rehabilitation by RCC drain	Ward no. 28		m	1200.00	2.10	NA	New Construction, no land acquisition & no resettlement required	JICA

No.	Scheme Name	Work Category	Level of Work	Location		Unit	Qty	Cost*	Previous Study	Description	Source of Fund
				Area Name	No. on map						
282	Construction of drain from Kherbari Sultan Nagor to KDC road	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 28		m	1000.00	0.90	NA	New Construction, no land acquisition & no resettlement required	MGSP
283	Construction of drain from Chalk Bazar R.K road to Shyama sundari canal	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 28		m	1000.00	0.90	NA	New Construction, no land acquisition & no resettlement required	JICA
284	Construction of drain from Darshana more to Modern more	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 28		m	2100.00	4.00	NA	New Construction, no land acquisition & no resettlement required	MGSP
285	Construction of drain from Chalk Bazar Paschim para H/O Altaf to Chalk Bazar Existing Drain	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 28		m	500.00	0.35	NA	New Construction, no land acquisition & no resettlement required	JICA
286	Improvement of drain from Sabujbag Ashratpur road to Dhakaiapara road	Roadside Drainage (Concrete Surface)	Rehabilitation by RCC drain	Ward no. 28		m	1000.00	0.90	NA	New Construction, no land acquisition & no resettlement required	JICA
287	Construction of drain from Mahigonj Bango bondu Memorial Hospital to girls school	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 29		m	700.00	0.50	NA	Rehabilitate Damaged Brick drain by RCC Drain	JICA
288	Construction of drain from dhumkhatia Mosque to Shyama Sunduri Canal	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 29		m	700.00	0.70	NA	New Construction, no land acquisition & no resettlement required	JICA
289	Construction of drain at Mahigonj Laki para road.	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 29		m	700.00	0.50	NA	New Construction, no land acquisition & no resettlement required	JICA
290	Construction of drain from house of Opil Dealer to Dhumkhatia main drain.	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 29		m	800.00	0.75	NA	New Construction, no land acquisition & no resettlement required	JICA
291	Construction of drain from RK road to Public Laboratory	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 29		m	600.00	0.75	NA	New Construction, no land acquisition & no resettlement required	JICA
292	Construction of drain from Mahigonj Cutchbihar road upto Isamoti Canal	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 29		m	500.00	0.60	NA	New Construction, no land acquisition & no resettlement required	JICA
293	Construction of drain from Mahigonj Rothbari road near Mahigonj Graveyard upto G.C Chowdhury road	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 29		m	500.00	0.60	NA	New Construction, no land acquisition & no resettlement required	JICA

No.	Scheme Name	Work Category	Level of Work	Location		Unit	Qty	Cost*	Previous Study	Description	Source of Fund
				Area Name	No. on map						
294	Construction of drain beside Kakina road	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 29		m	500.00	0.60	NA	New Construction, no land acquisition & no resettlement required	MGSP
295	Rehabilitation& Slope Protection of KD Canal	a) Re-exavation, b) Slope protection, c) Walkway & d) Beautification	Major Maintenance	Ward no. 19, 23, 25, 30	m	6000.00	20.00		NA	Re-exavation, Slope protection & Beautification, no land acquisition & no resettlement required	JICA
296	Construction of drain from Dohigong Mosque area to Shyama Sunduri Canal Bridge via Tinmatha .	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 30		m	700.00	1.25	NA	New Construction, no land acquisition & no resettlement required	JICA
297	Construction of drain from Mondolpara bridge to G.L roy road	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 30		m	2200.00	2.00	NA	New Construction, no land acquisition & no resettlement required	JICA
298	Construction of drain from G.L roy road bylane H/O Proffessor Sohel to Botla road	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 30		m	900.00	0.80	NA	New Construction, no land acquisition & no resettlement required	JICA
299	Construction of drain beside Balatary road	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 30		m	3500.00	2.80	NA	New Construction, no land acquisition & no resettlement required	JICA
300	Construction of drain near house of Afzal journalist at Khasbag	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 30		m	1200.00	1.30	NA	New Construction, no land acquisition & no resettlement required	ADP
301	Construction of drain from A.R Hossain school to house of Saidul and bylane	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 30		m	550.00	0.45	NA	New Construction, no land acquisition & no resettlement required	ADP
302	Improvement of road from Pourbo Khasbag near house of Monwar to Hazi's house	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 30		m	400.00	0.24	NA	New Construction, no land acquisition & no resettlement required	B MDF
303	Construction of drain road from Botla road to H/O Momin at east Khasbag	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 30		m	700.00	0.60	NA	New Construction, no land acquisition & no resettlement required	JICA
304	Construction of drain from H/O Jalil upto Nasnia rail gate at east Khasbag.	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 30		m	550.00	0.40	NA	New Construction, no land acquisition & no resettlement required	ADP

No.	Scheme Name	Work Category	Level of Work	Location		Unit	Qty	Cost*	Previous Study	Description	Source of Fund
				Area Name	No. on map						
305	Improvement of road from Mondolpara bridge to G.L Roy road	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 30		m	2200.00	2.50	NA	New Construction, no land acquisition & no resettlement required	JICA
306	Construction of drain from G.L Roy road Health Institute to H/O Delwar & Mosque to Jute Research Institute	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 30		m	1400.00	1.50	NA	New Construction, no land acquisition & no resettlement required	JICA
307	Construction of drain from G.L Roy road RDSS to H/O Hares	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 30		m	600.00	0.54	NA	New Construction, no land acquisition & no resettlement required	ADP
308	Construction of drain from Haragach road bylane Haragach road to Rothbari road via R.K road	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 30		m	1500.00	1.60	NA	New Construction, no land acquisition & no resettlement required	JICA
309	Construction of drain Balatary road & bylane	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 30		m	3500.00	4.50	NA	New Construction, no land acquisition & no resettlement required	ADP
310	Construction of drain road from Raghu to Dewti road.	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 31		m	2000.00	2.30	NA	New Construction, no land acquisition & no resettlement required	ADP
311	Construction of drain from Shekhpara Bridge to Shikaripara Bottola & H/O Councillor	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 31		m	2700.00	3.20	NA	New Construction, no land acquisition & no resettlement required	JICA
312	Construction of drain from Darshana Union road bylane Jaliler Dighi to H/O Mokhless	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 31		m	2450.00	3.10	NA	New Construction, no land acquisition & no resettlement required	ADP
313	Construction of drain from Basharer Ghat to Amtola more & link road	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 31		m	2400.00	3.20	NA	New Construction, no land acquisition & no resettlement required	MGSP
314	Construction of drain from Ashratpur more to Tapat mirgonj bazar.	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 31		m	4000.00	5.30	NA	New Construction, no land acquisition & no resettlement required	JICA
315	Construction of drain from Darshana Sabek UP to Dakshinpara Jame Mosque	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 31		m	2500.00	3.00	NA	New Construction, no land acquisition & no resettlement required	ADP
316	Construction of drain from Silimpur Dararpar Bridge to H/O Akkas	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 31		m	2100.00	2.40	NA	New Construction, no land acquisition & no resettlement required	JICA

No.	Scheme Name	Work Category	Level of Work	Location		Unit	Qty	Cost*	Previous Study	Description	Source of Fund
				Area Name	No. on map						
317	Construction of drain from Sheikhpara bridge to Rangpur—Bogra National Highway	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 31		m	500.00	0.45	NA	New Construction, no land acquisition & no resettlement required	ADP
318	Construction of drain from RK road bylane in front of Begum Rokeya University to Debipur road	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 32		m	2550.00	2.75	NA	New Construction, no land acquisition & no resettlement required	JICA
319	Construction of drain from Damdama road bylane Boro Rangpur to Raghu Bazar	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 32		m	4000.00	5.10	NA	New Construction, no land acquisition & no resettlement required	ADP
320	Construction of drain from Mirgonj Raghubazar bylane Shahi Mosque Graveyard to Damdama Mahigonj road	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 32		m	1000.00	1.00	NA	New Construction, no land acquisition & no resettlement required	ADP
321	Construction of drain from Damdama Mahigonj road bylane Tyre Co more to UCEP school & bylane	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 32		m	2400.00	2.50	NA	New Construction, no land acquisition & no resettlement required	ADP
322	Construction of drain from National Highway bylane RRI to Shishu Paribar to National Highway	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 32		m	1700.00	1.80	NA	New Construction, no land acquisition & no resettlement required	JICA
323	Construction of drain from National Highway bylane Damdama Eidgah to Damdama Mahigonj road	Roadside Drainage (Concrete Surface)	New Construction	Ward no. 32		m	2300.00	2.50	NA	New Construction, no land acquisition & no resettlement required	JICA
324	Construction of drain from Ghaghot River to Konapara to Khaliferzan to Soreartol & link Khabari Bridge	Main Drainage Channel (Soil Surface)	Re-exavation	Ward no. 33		m	7500.00	6.00	NA	Re-exavation & Beautification, no land acquisition & no resettlement required	JICA
Sub Total =							686.21				

(3) Water Supply

No.	Scheme Name	Work Category	Level of Work	Location		Unit	Qty	Cost*	Previous Study	Description	Source of Fund	
				Area Name	No. on map							
1	Replacement of Old Asbestos/ MS Water Supply Pipe line by Installation of 250 mm, 200 mm, 150 mm dia Pipeline Starting from Medical Moure to Mahigonj	Distributing Pipe	Rehabilitation/ Upgrading	Ward no. 18, 19, 20, 23, 24	km	12.50	6.00		NA	Replacement of old Asbestos Cement pipe by PVC pipe	JICA	
2	Construction of production tube-well (PTW) including pump house, pump etc.	Pump Station	New Construction	Different Ward		nos	8.00	4.00	NA	Installation of Production Tube Well	JICA	
3	Installation of Pipe line (200 mm, 150 mm & 100 dia) in different places of Rangpur Pourashava	Distributing Pipe	New Construction	Different Ward		km	50.00	10.00	NA	Installation of New Pipe Line	JICA	
4	Construction of. Iron Removal Plant (IRP) at Rangpur Pourashava	Water Treatment Facilities	New Construction	Ward no. 19, 23		nos	2.00	6.00	NA	Construction of. Iron Removal Plant, no land acquisition & no resettlement required	JICA	
5	Construction of. Over Head Water Tank	Overhead Water Tank	New Construction	Ward no. 19, 23, 25	nos	3.00	7.50		NA	Construction of. Over Head Water Tank	JICA	
6	Construction of production tube-well (PTW) including pump house, pump etc.	Pump Station	New Construction	Different Ward		nos	10.00	5.00	NA	Installation of Production Tube Well	37 District Water Supply Project	
7	Installation of Pipe line (150mm & 100 dia) in different places of Rangpur Pourashava	Distributing Pipe	New Construction	Different Ward		km	40.00	6.00	NA	Installation of New Pipe Line	37 District Water Supply Project	
8	Feasibility study & warmup work of Surface water treatment plant	Treatment Facilities	New Construction	RpCC area			1.00	17.60	NA	Feasibility study & warmup work of Surface water treatment plant	KOICA	
Sub Total =								62.10				

(4) Bus Terminal

No.	Scheme Name	Work Category	Level of Work	Location		Unit	Qty	Cost*	Previous Study	Description	Source of Fund	
				Area Name	No. on map							
1	Construction of Bus Terminal	Construction of Terminal Building	New Construction	Ward no. 17		nos	1.00	19.00	NA	New Construction, no land acquisition & no resettlement required	JICA	
2		Construction of Terminal platform	Rehabilitation/Upgrading			sqm	5000.00				JICA	
3		Construction of Internal Drain	New Construction				m	500.00				JICA
Sub Total =							19.00					

(5) Truck Terminal

No.	Scheme Name	Work Category	Level of Work	Location		Unit	Qty	Cost*	Previous Study	Description	Source of Fund	
				Area Name	No. on map							
4	Construction of Truck Terminal	Construction of Terminal Building	New Construction	Ward no. 22		nos	1.00	8.00	NA	RpCC own land, New Construction, no land acquisition & no resettlement required	JICA	
5		Construction of Terminal platform				sqm	5000.00				JICA	
6		Construction of Internal Drain					m	400.00				JICA
Sub Total =							8.00					

(6) Dhaka Coach Terminal

No.	Scheme Name	Work Category	Level of Work	Location		Unit	Qty	Cost*	Previous Study	Description	Source of Fund	
				Area Name	No. on map							
7	Construction of Coach Terminal	Construction of Terminal Building	New Construction	Ward no. 22		nos	1.00	5.00	NA	RpCC own land, New Construction, no land acquisition & no resettlement required	MGSP	
8		Construction of Terminal platform	New Construction			sqm	3000.00				MGSP	
9		Construction of Internal Drain	New Construction				m	400.00				MGSP
Sub Total =							5.00					

(7) Solid Waste

No.	Scheme Name	Work Category	Level of Work	Location		Unit	Qty	Cost*	Previous Study	Description	Source of Fund
				Area Name	No. on map						
1	Development of Solid Waste management System	Development of land fill	New Construction	Ward no. 29		sqm	12650.00	16.00	NA	RpCC own land, New Construction, no land acquisition & no resettlement required	JICA
2		Construction of Compost Plant				nos	1.00				JICA
3		Construction of Solid waste recycle plant (3R)				nos	1.00				JICA
4		Construction of Transfer Station				nos	4.00				JICA
5	Construction of Incinator	Electronic waste	New Construction			nos	1.00	2.00	NA	RpCC own land, New Construction, no land acquisition & no resettlement required	JICA
6	Construction of Moovable Dustbin	Roadside Dust Bin	New Construction			nos	50.00	0.80	NA		JICA
Sub Total =							18.80				

(8) Kitchen Market

No.	Scheme Name	Work Category	Level of Work	Location		Unit	Qty	Cost*	Previous Study	Description	Source of Fund
				Area Name	No. on map						
1	Construction of multy storied Kitchen Market		New Construction	Ward no. 23		nos	1.00	6.00	NA	RpCC own land, New Construction, no land acquisition & no resettlement required	JICA
2	Re-Construction of Fish Shed		Rehabilitation/Upgrading	Ward no. 23		nos	1.00	0.90	NA		JICA
3	Improvement of Kithen Market Shed at Poura Bazar		New Construction	Ward no. 23		nos	2.00	0.80	NA		JICA
4	Construction of internal road & drain at kitchen market area		New Construction	Ward no. 23		m	900.00	0.80	NA		JICA
5	Construction of Kitchen Market Shade in Different Hatbazar		New Construction	Different Ward		m	48.00	4.80	NA	RpCC own land, New Construction, no land acquisition & no resettlement required	JICA
Sub Total =							13.30				

(9) Sanitation

No.	Scheme Name	Work Category	Level of Work	Location		Unit	Qty	Cost*	Previous Study	Description	Source of Fund	
				Area Name	No. on map							
1	Construction of Public Toilet	a)Public Toilet b) Community Latrin	New Construction	Different Ward		nos	30.00	4.50	NA	RpCC own land, New Construction, no land acquisition & no resettlement required	JICA	
2	Construction of Public Toilet	a)Public Toilet b) Community Latrin	New Construction	Different Ward		nos	20.00	3.00	NA	RpCC own land, New Construction, no land acquisition & no resettlement required	MGSP	
3	Construction of slaughter house	Slaughter House	New Construction	Ward no. 07		nos	3.00	3.00	NA	RpCC own land, New Construction, no land acquisition & no resettlement required	JICA	
Sub Total =							10.50					

(10) Recreation Facilities

No.	Scheme Name	Work Category	Level of Work	Location		Unit	Qty	Cost*	Previous Study	Description	Source of Fund	
				Area Name	No. on map							
1	Construction Tourism park by development of chickly lake	Land Development, Construction of Different ride, Construction of Foot over Bridge, Ornamentar & Beautification works etc.	New Construction	Ward no. 19		nos	1.00	100.00	NA	New Construction, CC Own Land and no resettlement	JICA	
2	Construction Children park	Land Development, Construction of Different ride, Ornamentar & Beautification works etc.	New Construction	Ward no. 23		nos	1.00	10.00	NA	New Construction, CC Own Land and no resettlement	JICA	
Sub Total =							110.00					

(11) Building

No.	Scheme Name	Work Category	Level of Work	Location		Unit	Qty	Cost*	Previous Study	Description	Source of Fund	
				Area Name	No. on map							
1	Construction of Nagor Bhaban	a) Construction of Building	New Construction	Ward no. 16/23		nos	1.00	50.00	NA	New Construction, no land acquisition & no resettlement required	JICA	
2	Construction of Ward Office	a) Construction of Building b) Procourmaen of Furniture	New Construction	Different Ward		nos	26.00	52.00	NA	New Construction, no land acquisition & no resettlement required	JICA	
3	Construction of Community Center	a) Construction of Building	New Construction	Ward no. 19, 23, 24,		nos	3.00	18.00	NA	New Construction, no land acquisition & no resettlement required	JICA	
4	Construction of Poura Auditorium	a) Construction of Building b) Procourmaen of Furniture	New Construction	Ward no. 23		nos	1.00	10.00	NA	New Construction, no land acquisition & no resettlement required	JICA	
Sub Total =							130.00					

(12) Super Market

No.	Scheme Name	Work Category	Level of Work	Location		Unit	Qty	Cost*	Previous Study	Description	Source of Fund	
				Area Name	No. on map							
1	Construction of 18 storied New Market		New Construction	Ward no. 23		nos	1.00	16.00	NA	New Construction, no land acquisition & no resettlement required	JICA	
2	Construction of 18 storied Jorrej Market		New Construction	Ward no. 23		nos	1.00	25.00	NA	New Construction, no land acquisition & no resettlement required	JICA	
Sub Total =							41.00					

(13) Street Light

No.	Scheme Name	Work Category	Level of Work	Location		Unit	Qty	Cost*	Previous Study	Description	Source of Fund
				Area Name	No. on map						
1	Extension of Street Light	a) Pole, b) Cable, c) Shade with Light, d) Excessories	New Construction	Different Ward		km	200.00	60.00	NA	New Installation of Energy Saving Bulb	JICA
2	Extension of Street Light	a) Pole, b) Cable, c) Shade with Light, d) Excessories	New Construction	Different Ward		km	200.00	60.00	NA	New Installation of Energy Saving Bulb	JICA

No.	Scheme Name	Work Category	Level of Work	Location		Unit	Qty	Cost*	Previous Study	Description	Source of Fund
				Area Name	No. on map						
3	Extension of Street Light	a) Pole, b) Cable, c) Shade with Light, d) Excessories	New Construction	Different Ward		km	100.00	30.00	NA	New Installation of Energy Saving Bulb	MGSP
4	Renovation work of Street Lighting	a) Shade with Light, b) Excessories	Major Maintenance	Different Ward		km	60.00	9.00	NA	Replacement of Sodium & Tube light by Energy Saving Bulb	JICA
Sub Total =							159.00				

(14) Bridge works

No.	Scheme Name	Work Category	Level of Work	Location		Unit	Qty	Cost*	Previous Study	Description	Source of Fund
				Area Name	No. on map						
1	Construction of Bridge over Ghaghot river at Baoaipara Kalar ghat	a) River Protection, b) Bridge, c) approach road	New Construction	Ward no. 10		nos	1.00	14.00	NA	New Construction, no land acquisition & no resettlement required	JICA
2	Construction of Bridge over Ghaghot river at Purba Gilabati	a) River Protection, b) Bridge, c) approach road	New Construction	Ward no. 10		nos	1.00	14.00	NA	New Construction, no land acquisition & no resettlement required	MGSP
3	Construction of Bridge over Ghaghot river at Binnatery	a) River Protection, b) Bridge, c) approach road	New Construction	Ward no. 11		nos	1.00	14.00	NA	New Construction, no land acquisition & no resettlement required	JICA
4	Construction of Bridge over Ghaghot river at Bhobanipur-Damodorpur road	a) River Protection, b) Bridge, c) approach road	New Construction	Ward no. 12		nos	1.00	14.00	NA	New Construction, no land acquisition & no resettlement required	JICA
5	Construction of Bridge over Ghaghot river at Monthona	a) River Protection, b) Bridge, c) approach road	New Construction	Ward no. 01		nos	1.00	14.00	NA	New Construction, no land acquisition & no resettlement required	JICA
6	Construction of Bridge over Ghaghot river at Panbari Basharer ghat	a) River Protection, b) Bridge, c) approach road	New Construction	Ward no. 31		nos	1.00	14.00	NA	New Construction, no land acquisition & no resettlement required	JICA
7	Construction of Bridge over Ghaghot river at Urrat Sheikhpara	a) River Protection, b) Bridge, c) approach road	New Construction	Ward no. 31		nos	1.00	14.00	NA	New Construction, no land acquisition & no resettlement required	JICA
8	Construction of Bridge over Ghaghot river at Shikaripara -Sheikhpara	a) River Protection, b) Bridge, c) approach road	New Construction	Ward no. 31		nos	1.00	14.00	NA	New Construction, no land acquisition & no resettlement required	JICA

No.	Scheme Name	Work Category	Level of Work	Location		Unit	Qty	Cost*	Previous Study	Description	Source of Fund	
				Area Name	No. on map							
9	Construction of Bridge over Ghaghot river at Silimpur varatpara	a) River Protection, b) Bridge, c) approach road	New Construction	Ward no. 31		nos	1.00	14.00	NA	New Construction, no land acquisition & no resettlement required	JICA	
10	Construction of Bridge over Ghaghot river at Nazir Didhar Poschimpara to Sinimpur road	a) River Protection, b) Bridge, c) approach road	New Construction	Ward no. 31		nos	1.00	14.00	NA	New Construction, no land acquisition & no resettlement required	JICA	
11	Construction of Bridge Ghaghot river at Nazirdighar Satgharitari Bibizan Mazar	a) River Protection, b) Bridge, c) approach road	New Construction	Ward no. 31		nos	1.00	5.00	NA	New Construction, no land acquisition & no resettlement required	JICA	
12	Re-construction of Bridge over Khoksha Ghaghot river at Mirgonj road	a) River Protection, b) Bridge, c) approach road	Rehabilitation/U pgrading	Ward no. 32		nos	1.00	8.00	NA	New Construction, no land acquisition & no resettlement required	JICA	
13	Re-construction of Bridge over K.D Canal near Masterpara	a) River Protection, b) Bridge, c) approach road	Rehabilitation/U pgrading	Ward no. 23		nos	2.00	6.00	NA	New Construction, no land acquisition & no resettlement required	JICA	
14	Construction of Bridge over K.D canal at Angur Mia	a) River Protection, b) Bridge, c) approach road	Rehabilitation/U pgrading	Ward no. 29		nos	1.00	3.00	NA	New Construction, no land acquisition & no resettlement required	JICA	
15	Construction of Bridge in Madha Gopalpur - Kashem Bazar road near H/O Salam	a) River Protection, b) Bridge, c) approach road	New Construction	Ward no. 12		nos	1.00	1.20	NA	New Construction, no land acquisition & no resettlement required	JICA	
16	Re-construction of Bridge in Bhabanipur - Abashan road	a) River Protection, b) Bridge, c) approach road	Rehabilitation/U pgrading	Ward no. 12		nos	1.00	1.40	NA	New Construction, no land acquisition & no resettlement required	JICA	
17	Construction of Foot Over Bridge	Foot over bridge	New Construction	Ward no.21, 23,24,		nos	6.00	4.80	NA	New Construction, no land acquisition & no resettlement required	JICA	
18	Construction of Bridge over Shyama Sundari Canal	a) River Protection, b) Bridge, c) approach road	Rehabilitation/U pgrading	Ward no.16, 17, 18, 20, 21,22, 25,27,28		nos	10.00	15.00	NA	New Construction, no land acquisition & no resettlement required	JICA	
19	Construction of Box Culvert In differerent ward	R.C.C Box Culvert	New Construction	Different Ward		nos	50.00	15.00	NA	New Construction, no land acquisition & no resettlement required	JICA	
Sub Total =							199.40					
Total =							2119.23					

Annex H-1: Administrative Reform Plan of RpCC

Function (1)	Function (2)	Detail Activities	5 Year Action Plan	Applicable Activity				Decentralization		Modality of Decentralization and Remarks
				Kaizen Activity	Technology Transfer	Instalment of Equipment	Increase of Manpower	From	To	
SI-1. Public Health	Responsibilities for sanitation. (1.1)	Take Measures of proper sanitation.	Manpower 1. Sanitary Inspector - 1 2. Cleaning supervisor - 10 3. Road cleaner - 660 4. Drain cleaner - 140 Total manpower - 841 be appointed Equipment 1. Trucks -16 with driver and helper provided. 2. Van-70 with driver provided.				√			
	Insanitary Building. (1.2)	Ask owners/possessor of the building to keep the same Clean. (1.2)	Assign officials as mentioned above Plan awareness program for cleanliness	√			√			
	Cleaning of insanitary building (1.3)	In case of failure by the owner/possessor, CC will take steps to clean the same and recover the cost from the owner/possessor. (1.3)	Assign officials as mentioned above Plan awareness program for cleanliness	√			√			
	Removal, collection and disposal of waste (1.4 - 1.7)	Collect waste from household	Organizing CBOs in CC Awareness of community (maintain time schedule)	√	√					
		Collect waste from commercial buildings and industrial area	12 trucks 70 workers			√	√			
		Make schedule of waste collection	Awareness of community (maintain time schedule)	√						
		Site selection and Install dustbins	Coordination body established (community) Awareness program implemented in Ward Level	√		√				
		Collect waste from primary collecting points or dustbins and transport to dumping site	12 trucks 70 workers			√	√			
		Monitor the Cleaning work	57 Conservancy Supervisor (33 wards, 12 markets 12 trucks)				√			

Function (1)	Function (2)	Detail Activities	5 Year Action Plan	Applicable Activity				Decentralization		Modality of Decentralization and Remarks
				Kaizen Activity	Technology Transfer	Instalment of Equipment	Increase of Manpower	From	To	
		Monitor waste collection from the dumping station	58 Conservancy Supervisor (33 wards, 12 markets 12 trucks)				√			
		Construct, monitor & maintain waste treatment plant	None							
		Select dumping site	Select according to master plan Coordination with communities	√						
		Establish dumping site	Training on site selection for dumping site							
		Manage (monitor and maintain) dumping site	2 excavators with dozer			√				
	Latrines and urinals. (1.8, 1.9, 1.10)	Provide and maintain public latrine and urinals. (1.8)	CC sustains activities done by UPPRP	√						
		Occupier of the houses will keep their latrines and urinals in order and clean up to the satisfaction of the Corporation. (1.9)	undo	√						
		Corporation will issue notice to the owners/occupiers of the houses to keep their latrines and urinals in proper places either by renovations or removing the same. (1.10).	undo	√						
SI-2. Registry of Births, deaths and marriages	Corporation will register all births, deaths and marriages. (2.1)	Register all births, deaths. Maintain its statistics. (2.1)	1.Birth and death register - 1 2.Office Asstt. Cum PC operator - 2 3. Maulama -1 4. Priest - 1 5. Caretaker for five Gaveyard and two crematorium - 11 6. MLSS - 1 Total = 17 be appointed.				√			
		Maintain statistics for registration of marriages	Undo				√			
SI-3. Infectious diseases	Measures to prevent infectious diseases and build hospitals.	Take measures to prevent infectious diseases. (3.1)	Conduct Awareness building Manpower be appointed. Scheme proposed and hospital	√		√	√			

Function (1)	Function (2)	Detail Activities	5 Year Action Plan	Applicable Activity				Decentralization		Modality of Decentralization and Remarks
				Kaizen Activity	Technology Transfer	Instalment of Equipment	Increase of Manpower	From	To	
	(3.1, 3.2, 3.3)		established to prevent infectious disease							
		Establish and maintain hospitals for persons affected form infectious diseases. (3.2)	Undo	√		√	√			
		Make schemes to prevent and control of infectious diseases and its implementations. (3.3)	Undo	√		√	√			
SI-4. Health and maternity centers	Establish, manage and maintain health and maternity centers. (4)	Establish, manage and maintain maternity centers.	Manpower 1. Health officer- 1 2. Health Asstt - 2 3. Family planning Asstt 2 4. Stor keeper 1 5. Office -com- computer operator- 1 6. Vaccinator supervisor- 2 7. MLSS - 1 Total - 10 appointed.	√	√	√	√			
		Establish manage and maintain centers for the welfare of women, infants and children.	undo	√	√	√	√			
		Arrange training of mid -wife.	undo	√	√	√	√			
		Provide promotion of family planning.	undo	√	√	√	√			
		Other measures to promote health and welfare of women, infants and children.	undo	√	√	√	√			
SI-5. Promotion	Measures for promoting	Take any measures for	Projects taken		√		√			

Function (1)	Function (2)	Detail Activities	5 Year Action Plan	Applicable Activity				Decentralization		Modality of Decentralization and Remarks
				Kaizen Activity	Technology Transfer	Instalment of Equipment	Increase of Manpower	From	To	
of public health	public health including health education (5).	promoting public health including education in health (5)	Manpower appointed							
SI-6. Hospitals and dispensaries	Establish and maintain hospitals and dispensaries (6.1-6.2)	Establish hospitals for inhabitants of the city	<p>City Hospital</p> <p>1. Consultant (Medicine) - 1</p> <p>2. Resident Physician - 1</p> <p>3. Medical officer - 1</p> <p>4. Medical Technician - 1</p> <p>5. Nurse - 5</p> <p>6. Computer operator - 1</p> <p>7. Medical store keeper - 1</p> <p>8. Cleaner - 3</p> <p>9. MLSS - 3</p> <p>Total - 17 appointed</p> <p>Infrastructure & logistics</p> <p>1. Well equipped infrastructure for hospital established.</p> <p>2. Ambulance - 4.</p> <p>3. Truck for carrying dead bodies with a driver & helper -1.</p> <p>4. Adequate medicacine provided</p>			√	√			
SI-7. Medical aid and relief and medical education	Corporation may take much measures as considered fit or if required by the govt, about specified medical aid and relief and medical education (7)	Establish and maintain first-aid centers	A project proposed considering all the aspects provided under this section.		√	√	√			
		Provide mobile medical aid unit	Undo		√	√	√			
		Encourage to form societies	Undo		√	√	√			

Function (1)	Function (2)	Detail Activities	5 Year Action Plan	Applicable Activity				Decentralization		Modality of Decentralization and Remarks
				Kaizen Activity	Technology Transfer	Instalment of Equipment	Increase of Manpower	From	To	
		to render medical aid								
		Promote medical education	Undo		√	√	√			
		Payment of grants to institutions for medical relief	Undo		√	√	√			
		Medical examination of school children	Undo		√	√	√			
SI-8. Water Supply	Water Collection, Supply & Management (8.1, 8.3)	Store water in overhead tank	14 tanks is constructed 40 pump operator			√	√			
		Distribute water by pipeline	435km pipe line Rural 10%, Urban 45% 40 pump operator			√	√			
		Maintenance of water supply network	Manpower: 1.Executive Engineer - 1 2.Supdt (water) - 1 3. Chemist - 1 4. Accountant - 1 5.Office Asstt cum PC oprator 1 6. Pipe line/ Motor Inspector - 2 7. Store keeper - 1 8. Bill clerk/Bill distributor - 2 9. Pum/Valve driver - 3 10. Tretment plant operator - 2 11. Electrician - 1 12. Pipe line Mechanic - 4 13.Asstt. pump driver - 5 14.asstt.Pipe line Mechanic -			√	√			

Function (1)	Function (2)	Detail Activities	5 Year Action Plan	Applicable Activity				Decentralization		Modality of Decentralization and Remarks
				Kaizen Activity	Technology Transfer	Instalment of Equipment	Increase of Manpower	From	To	
			5 Total - 32 Logistics: • Submersible pump with well equipped structure provided.							
		Provide household with water supply	15,000 households Low Fe and Mg contain	√	√	√				
		Response to complains on water supply	1 pick up 7 motor cycle	√		√				
		Collect tariff for water supply	Low Fe and Mg contain Sufficient pressure 10 bill distributor 75% tariff collection Awareness building	√	√	√	√			
		Extension of water supply activates	1 Ex. Eng. 2 Sub-assist. Eng. 1 pick up (for supervising)			√	√			
	Planning of water supply system	Make master plan for water supply	Ex. Eng. Sub-assist. Water Superintendent trained on planning		√					
	Establish water source and pipeline network (8.2)	Borehole drilling	30 borehole 2 rain water harvesting Officers are trained on rain water harvesting		√	√				
		Establish pump and overhead tank	1 Ex. Eng. 2 Sub-assist. Eng.			√	√			
		Establish water supply pipeline according to master plan (include extension)	1 Ex. Eng. 2 Sub-assist. Eng.				√			
		Establish water treatment plant	Establish surface water treatment plant		√	√				
		Rehabilitation of water supply system (pump, tank, pipelines, treatment plant etc.)	0	√						
	Water quality management	Water quality test	1 muti-purpose Lab (water, civil) Officers are trained on water quality test		√	√		DPHE	CC	Delegation

Function (1)	Function (2)	Detail Activities	5 Year Action Plan	Applicable Activity				Decentralization		Modality of Decentralization and Remarks
				Kaizen Activity	Technology Transfer	Instalment of Equipment	Increase of Manpower	From	To	
		Water quality control	1 multi-purpose Lab (water, civil) Officers are trained on water quality control		√	√		DPHE	CC	Delegation
	Drainage (8.7-8.9)	Prepare drainage Master plan	Officers appointed according to new organogram Planning software (GIS), tools (GPS), etc. installed Town Planning section officers trained on urban planning Coordination body for urban planning established		√		√			
		Survey on drainage construction	8 Sub-assist. Eng. 6 Surveyor 4 sets survey equipments 4 computers Training for survey conducted				√			
		Designing the drainage	Training for designing conducted		√					
		Construction of drainage	Training implemented 16 Work Assist.		√		√			
		Monitor and Supervise Drainage construction work	Training implemented 16 Work Assist.		√		√			
		Inspect drainage	0							
		Maintain drainage	0							
		Require the provision, alternation, covering, clearing and closing of private drains	Coordination body established	√				CC	CBO	Delegation
		Monitoring and reporting of drainage conditions	8 Sub-assist. Eng. 10 motorcycles 2 pickup 1 deep Assign officials and instal equipment as above, or establish coordination body with local people (CBO)	√				CC	CBO	Delegation
		Tender management	0							
		Cleaning the drain	750 cleaners (including road, highway, bus terminal)				√	CC	CBO	Delegation (some areas where CBOs are active)
	Prepare drainage	Prepare a Drainage Scheme	Coordination body between CC	√	√					

Function (1)	Function (2)	Detail Activities	5 Year Action Plan	Applicable Activity				Decentralization		Modality of Decentralization and Remarks
				Kaizen Activity	Technology Transfer	Instalment of Equipment	Increase of Manpower	From	To	
	schemes (8.10-8.11)	for construction of drains at public and private expense	and RHD established Town Planning Dept./Sec. established Training for drainage scheme conducted							
	Bathing and washing places (8.13)	Fix suitable places for use of public bathing, washing and drying of clothes (8.12)	N/A							Eliminate the function
		Prohibit use of any places not so set apart by issuing public notice (8.12)	N/A							Eliminate the function
	Provide Dhobi Ghat for washer man (8.13, 8.14)	Provide Dhobi Ghats for use of washer man by imposing fees (8.13)	N/A							Eliminate the function
		Provide license to washer man (8.14)	N/A							Eliminate the function
	Declare any source of water to be a public water course (8.15, 8.17)	With previous sanction of the Govt; declare spring ,river tank, pond or public stream to be a public water course (8.15)	N/A							
		Provide recreational facilities making arrangements for life saving	N/A							
		Develop irrigation, drainage and navigational facilities keeping in consistence with any other law already in force (8.16)	N/A							
		Manage and maintain all watercourse according to the existing law (8.17)	N/A							
SI-9. Public ferries	Issuing in of license to boats and other vessels plying for hire in a public water course .(9.1)	Issue license to boats and other vessels plying on hire in a public water course	-							
	Management and operation of public ferry (9.2)	Manage and operate of public ferry								

Function (1)	Function (2)	Detail Activities	5 Year Action Plan	Applicable Activity				Decentralization		Modality of Decentralization and Remarks
				Kaizen Activity	Technology Transfer	Instalment of Equipment	Increase of Manpower	From	To	
		Collect toll for use of such ferry								
SI-10. Public fisheries	Declaration of public water-course as a public fisheries and its management (10)	Declare of public water-course as a public fisheries	-							
		Number of such public fisheries declared								
		Collect revenue from such fisheries (10)								
SI-11. Articles of food and drink	Control on sale of food items and drinks (11.1)	Prohibit manufacture, sale or preparation of specified food or drink in unlicensed place (11.1)	1. Bye-law prepared. 2. Manpower appointed. 3. Food and beverages testing laboratories be established.		√	√	√			
		Prohibit import into the city for sale of food and drink without license (11.1)	Undo		√	√	√			
		Prohibit hawking of specified food and drink in specified place (11.1)	Undo		√	√	√			
		Regulate time and manner of transport of specified food and drink (11.1)	Undo		√	√	√			
		Regulate grant and withdrawal of license and levying of fees (11.1)	Undo		√	√	√			
		Seizure and disposal of diseased animal poultry and fish, and noxious food and drink (11.1)	Undo		√	√	√			
	Control on supply of milk (11.2,11.3)	Prohibit any person to keep milk cattle for sale of milk without license (11.2)	No activity							Integrate in 11.1
		Prohibit any person to import or sale of milk without license (11.2)	No activity							Integrate in 11.2
		Prohibit any person to manufacture butter, ghee or diary product using any	No activity							Integrate in 11.3

Function (1)	Function (2)	Detail Activities	5 Year Action Plan	Applicable Activity				Decentralization		Modality of Decentralization and Remarks
				Kaizen Activity	Technology Transfer	Instalment of Equipment	Increase of Manpower	From	To	
		premises without license (11.2)								
		Prepare milk supply scheme for supplying of pure milk to the public (11.3)	No activity							Integrate in 11.4
SI-12. Public markets	Establish and maintain public markets (12.1)	Establish and maintain public markets (12.1)	Separate Market Section be opened with adequate manpower. Regulation be made.		√		√			
		Realize salami or advanced rent form the intending occupants for construction of public market (12.2)	Undo		√		√			
		Charge fees for use of space and sale of goods (12.3)	Undo		√		√			
		Charge fees in respect of animals brought for sale of sold (12.3)	Undo		√		√			
		Charge fees from brokers, commission agents, weigh men and others engaged in the market for their livelihood (12.3)	Undo		√		√			
SI-13. Private markets	Establishment and maintenance of private markets (13.1-13.5)	Grant license for establishment and maintenance of private markets (13.1)	1. A separate Market section be opened with adequate manpower. 2.Regulation be made.		√		√			
		Check up the private markets which was established before the enforcement of this Act. Verify if the owner applied within three months after the enforcement of this Act and license given. (13.2)	Undo		√		√			
		Charge fees in respect of private markets as per bye-laws (13.3)	Undo		√		√			
		Direct the owner of the private market to discontinue the same if it goes against	Undo		√		√			

Function (1)	Function (2)	Detail Activities	5 Year Action Plan	Applicable Activity				Decentralization		Modality of Decentralization and Remarks
				Kaizen Activity	Technology Transfer	Instalment of Equipment	Increase of Manpower	From	To	
		public interest (13.4)								
		Direct the owner of the private market to construct and provide facilities for its maintenance within the specified time (13.5)	Undo		√		√			
SI-14. Slaughter house	Provide and maintain of slaughter house (14)	Provide and maintain slaughter house within or without the limits of the city (14)	1. Six slaughter house constructed at different location 2. Required manpower be recruited.		√	√	√			
SI-15. Animals	Animal Husbandry (15.1,15.2)	Establish and maintain veterinary hospitals and dispensary (15.1)	1. One animal hospital along with necessary equipment and logistic be established. 2. Vateriaary surgeon along with supporting staff be appointed.		√	√	√			
		Charge fees for treatment of animals in such hospitals (15.1)	Undo		√	√	√			
		Prevent spread of infectious diseases by compulsory inoculation of animals (15.2)	Undo		√	√	√			
	Stray animals (15.3-15.5)	Seize, detain and impound the animals if found straying in public places or cultivated land (15.3)	Regulation be made.		√					
	Animal homes and farms (15.6-15.8)	Establish and maintain animal homes (15.6)	1. Planned to establish animal homes according to master plan 2. Manpower proposed		√		√			
		Arrange to keep animals of private persons in the said homes (15.6)	Undo		√		√			
		Establish and maintain cattle farms and poultry farms (15.7)	Undo		√		√			
	Registration of the sale of cattle (15.8)	Register sale of animals (15.8)	Livestock development scheme prepared. Regulation made.		√					
		Receipt of payment of fees for such registration (15.8)	Undo		√					

Function (1)	Function (2)	Detail Activities	5 Year Action Plan	Applicable Activity				Decentralization		Modality of Decentralization and Remarks
				Kaizen Activity	Technology Transfer	Instalment of Equipment	Increase of Manpower	From	To	
	Livestock improvement (15.9)	Frame and execute livestock scheme (15.9)	Regulation made.		√					
	Dangerous animals (15.10)	Make bye-laws defining the animal which are dangerous (15.10)	Undo		√					
		Make arrangement to detain or destroy such animals (15.10)	Undo		√					
	Cattle shows (15.11)	Hold cattle shows and fairs (15.11)	No activity							
		Charge fees from the people attending such shows (15.11)	N/A							
	Zoo (15.12)	Establish and maintain zoological garden and collect fees from the people (15.12)	N/A							
	Disposal of carcasses (15.13)	Dispose of dead bodies of animals within 24 hours after it's death to a place fixed by the corp.(15.13)	A place fixed up to dispose of the dead bodies of animals.	√						
SI-16. Town Plan and Development Control	Make Master (16.1-16.3)	Monitor and Supervise the Master Plan work	Officers appointed according to new organogram Planning software (GIS), tools (GPS), etc. installed Town Planning section officers trained on urban planning Coordination body for urban planning established	√	√	√	√			
		Update master plan	Undo	√	√	√	√			
		Compose and implementation of five or more yearly projects	Officers appointed according to new organogram Planning software (GIS), tools (GPS), etc. installed Town Planning section officers trained on urban planning		√	√	√			
		Conduct a survey of the City including its history, statistics, public services and others	4 Surveyor for planning appointed Training for survey conducted		√		√			
		Make restrictions, regulations	3 Town Planner		√		√			

Function (1)	Function (2)	Detail Activities	5 Year Action Plan	Applicable Activity				Decentralization		Modality of Decentralization and Remarks
				Kaizen Activity	Technology Transfer	Instalment of Equipment	Increase of Manpower	From	To	
		and prohibitions on building and development site	Officers in Law section and Magistrate section appointed Training for regulation on urban planning conducted							
		Monitor development of sites, and erection and re-erection of buildings	4 Surveyor for planning appointed Training for monitoring conducted Sustainable Monitoring system and tools developed				√			
		Impose the restrictions, regulations and prohibitions made according to master plan	Coordination body established for town planning Awareness program implemented Coordination body established for law enforcement	√				CC	Police	Coordination
	Site development scheme (16.4-16.6)	Make division of the site into plots	Officers appointed according to new organogoram Training on site development conducted		√		√			
		Provide streets, drains and open spaces	Officers appointed according to new organogoram Training on site development conducted		√		√			
		Reserve, transfer or acquire land for public purposes	Officers appointed according to new organogoram Training on site development conducted		√		√			
		Estimate and fix price of plots	Training on land value estimation conducted		√					
		Execute site development scheme	Officers appointed according to new organogram Training on site development conducted		√		√			
	Regulation of buildings (17.1)	Identify the building or anything fixed thereon to be in ruinous state which appears to be dangerous to its inhabitant, neighboring building and passerby (17.1)	Intensive supervision be done continuously. Adequate manpower recruited.		√		√			
		Issue notice to the owner of	0							

Function (1)	Function (2)	Detail Activities	5 Year Action Plan	Applicable Activity				Decentralization		Modality of Decentralization and Remarks
				Kaizen Activity	Technology Transfer	Instalment of Equipment	Increase of Manpower	From	To	
		such building to take appropriate action to save its inhabitants, neighboring building and passerby (17.1)								
		In default by the owner, take appropriate action (17.1)	0							
		Realize cost incurred by such action in the form of tax levied on the owner (17.1)	0							
		Prohibit occupation of building in dangerous condition or unfit for human habitation until it has been suitably repaired (17.2)	0							
SI-18. Streets	Construction and maintenance of public streets (18.1-18.4)	Conduct survey for road construction	8 Sub-assist. Eng. 6 Surveyor 4 sets survey equipments 4 computers Training for survey conducted		√		√			
		Design road	Training for designing conducted		√					
		Manage tender for construction	0	√						
		Construct road and footpath	8 roller (4 10t + 4 7t roller) 2 tire roller roller 2 mini roller (hand) 6 mixing machine 2 asfalt finisher 2 tarboiler 2 Excavator 2 Bull dozer		√	√				
		Supervise and monitor road construction	Training implemented 16 Work Assist.		√		√			
		Maintain road and footpath	8 roller (4 10t + 4 7t roller) 2 tire roller roller 2 mini roller (hand) 6 mixing machine 2 asfalt finisher 2 tarboiler 2 Excavator		√	√				

Function (1)	Function (2)	Detail Activities	5 Year Action Plan	Applicable Activity				Decentralization		Modality of Decentralization and Remarks
				Kaizen Activity	Technology Transfer	Instalment of Equipment	Increase of Manpower	From	To	
			2 Bull dozer							
		Monitor road condition	8 Sub-assist. Eng. 10 motorcycles 2 pickup 1 deep Coordination body with local people established	√		√	√	CC	CBO	Delegation
		Cleaning	750 cleaners (including bus terminal, highway, drainage)	√			√	CC	CBO	Delegate function where CBO can cover
	General provisions about streets (18.5-18.9)	Name a road and place name plate	0	√				CC	CBO	Collect ideas from CBO to create ownership
		Draw street lines and building lines	Marking machine (line)			√				
		Require setting back of building	Coordination body established	√						
		Regulate use of street by by law	Coordination body established for town planning Awareness program implemented Coordination body established for law enforcement	√	√					
	Encroachments (18.9-18.11)	Prevent illegal encroachment on roads, drains, land, buildings, lane or park of the corporation (18.9)	Coordination body established for town planning Awareness program implemented Coordination body established for law enforcement	√	√					
		Remove such encroachment and realize the cost in the form of tax levied on the person responsible for such encroachment (18.10)	0	√	√					
		Aggrieved person may appeal to the Govt. and decision of the Govt. shall be final (18.11)	0	√	√					
	Street lightings (18.12, 18.13)	Select locations of street lighting	Training on site selection for street light		√					
		Establish street lighting	Contractor							
		Install electric pool	Contractor							

Function (1)	Function (2)	Detail Activities	5 Year Action Plan	Applicable Activity				Decentralization		Modality of Decentralization and Remarks
				Kaizen Activity	Technology Transfer	Instalment of Equipment	Increase of Manpower	From	To	
		Installation of light, connection and main switch	Contractor							
		Maintain street lighting	40 trained parmanent electric mistree 160 set safety and electric equipment 4hydraulic ladder (vehicle) 2 pick up 4 motercycle	√	√	√	√			
		Monitor street lighting	4 Sub-assist. Eng. 1 pick up	√		√	√	CC	CBO	Delegate the function to CBO in some areas
		Control main switches	40 switch operator	√				CC	CBO	Delegate the function to CBO in some areas
	Street watering SI-SI-(18.14)	Take steps for watering of public streets for comfort and convenience of the public (18.14)	Make any plan to achieve the function	√						
SI-19. Traffic Control	Arrangement for control and regulation of traffic (19.1)	Make draft of bylaw on road and traffic rules	3 Town Planner Officers in Law section and Magistrate section appointed Training for regulation on urban planning conducted		√		√			
		Finalize bylaw on road and traffic rules	Officers in Law section and Magistrate section appointed Training for regulation on urban planning conducted		√		√			
		Dissemination of bylaw	Effective information dissamination system established	√						
		Enforcement of bylaw	Coordination body established for town planning Awareness program implemented Coordination body established for law enforcement	√	√					
	Public vehicles (19.2-19.4)	To see that public vehicles other them motor vehicle shall not be kept, let on hire or drive within the city without license granted by the corporation (19.2)	0	√	√					

Function (1)	Function (2)	Detail Activities	5 Year Action Plan	Applicable Activity				Decentralization		Modality of Decentralization and Remarks
				Kaizen Activity	Technology Transfer	Instalment of Equipment	Increase of Manpower	From	To	
		Fix rate of fares for use of public vehicles (19.3)	0							
SI-20. Public safety	Fire fighting (20.1-20-2)	Operation of fire fighting (20-1, 20-2)	CC develop it's own fire-fighting unit with necessary vehicle , equipment and accessories. Manpower recruited and training given.		√	√	√	Fire Service	CC	Start coordination, then propose process of establishment of fire service
	Assistance to Govt. for civil defense related functions (20.3)	Assist Govt. for civil defense related functions (20.3)	Manpower assigned for this function Proper training given.		√		√	Police	CC	Establish coordination with police
SI-21. Disaster management	Take appropriate action in coordination with local administration according to the Govt. policy and rules (21)	Take appropriate action in the light of the Govt. rules and co-ordination with the local administration (21)	Manpower assigned for this function Proper training given. Establish coordination between RpCC, national agencies and community	√	√		√			Coordination between CC, national agencies NGOs and CBOs
SI-22. Trade of dangerous and harmful materials	Ascertainment of dangerous and harmful materials for trade by the Govt.(22.1)	To see that no person carry on trade of dangerous and harmful materials without license (22.1)	1. Rules be framed determining the dangerous and harmful materials. 2. Manpower recruited.	√	√		√			
	Corporation will not allow any person to allow such trade without license issued by the corporation (22.2)	To see that no premises or household are used for such trade without license (22.2)	Propose any plan to monitor such household	√						
		To see that no person keeps any such materials in any premises except for domestic use	Propose any plan to monitor such activities	√						
		To see that no person store or keep such materials in excess of such limits fixed by the by-laws [22.2 (C)]	0	√						
SI-23. Graveyard and crematorium	Provide suitable places for burial and burning of dead bodies and maintenance and management of such places (23.1-23.4)	Provide places for burial and burning of dead bodies (23.1)	1. Manpower increased to 17.				√			
		Manage and maintain such places properly (23.2)	0							
		Register the burial and burning places which are not managed and maintained by the corporation (23.3)	Prepare by-law or regulations							

Function (1)	Function (2)	Detail Activities	5 Year Action Plan	Applicable Activity				Decentralization		Modality of Decentralization and Remarks
				Kaizen Activity	Technology Transfer	Instalment of Equipment	Increase of Manpower	From	To	
		Inspect and supervise such places (23.3)	Prepare by-law or regulations							
		See that no new burial and burning places are established except under a license granted by the corporation (23.4)	Prepare by-law or regulations							
SI-24. Trees, parks gardens and forest	Tree plantation (24.1-24.2)	Plant trees to the adjacent space of the public streets and on public places (24.1)	1. Required manpower recruited. 2. plant research plan is prepared and approval taken from Govt.		√		√			
		Frame and implement plant-research plan with the approval of the Govt.(24.2)	0							
	Gardens (24.3-24.4)	Provide, maintain and manage public gardens for recreation and convenience of the public (24.3)	1. Manpower recruited. 2. Regulation made for garden management. 3. Garden Development plan is prepared and implemented.		√		√			
		Frame and implement garden development plan for each public garden (24.4)	Undo		√		√			
	Open spaces (24.5)	Provide and maintain open space (24.5)	1. Open spaces be provided, earmarked and grassed.	√						
		Shall be grassed, hedged and improves (24.5)	0							
	Forests (24.6)	Frame forest Development plans providing development of forest and implement the same	1. A section especially estate section be assigned to perform the function. 2. Forest development plan is prepared and implemented. 3. Required manpower recruited.	√	√					
		Plant trees and maintain the same according to plan (24.6)	0							
	Nuisances pertaining to trees (24.7-24.9)	Destroy the pests causing damage to trees and plants (24.7)	• Required manpower recruited. •Continuous supervision and implementation done.	√			√			
		Issue notice to the owner of the premises where noxious growth of trees, creeper and	Undo	√						

Function (1)	Function (2)	Detail Activities	5 Year Action Plan	Applicable Activity				Decentralization		Modality of Decentralization and Remarks
				Kaizen Activity	Technology Transfer	Instalment of Equipment	Increase of Manpower	From	To	
		herbs takes place to remove the same (24.8)								
		Clear the same if the owner of such premises failed to do so and realize the cost thereof in the form of tax levied on him (24.8)	Undo	√						
		Arrange felling of any trees which are dangerous and likely to cause obstruction to traffic (24.9)	Undo	√						
		Trim the branches of trees which overhang and likely to cause obstruction to traffic (24.9)	Undo	√						
	Prohibit cultivation of dangerous crop (24.10)	Prohibit cultivation of any crop which is considered dangerous to public health (24.10)	Undo	√						
SI-25. Tanks and low lying areas	Excavation and re-excavation of tanks, Reclamation of low-lying areas (25)	Excavate and re-excavate tanks (25)	Re-excavation of tanks be done and leased out for income generation.	√						
		Reclaim low-lying areas (25)	• Low lying areas be reclaimed and properly managed by constructing embankment for income generation.		√					
SI-26. Education and culture	Management and maintenance of educational institution and operation (26.1-26.4)	Maintain educational institution as required by the Govt. (26.1)	1. All registered educational institutions which are nationalised be transferred to the Govt. 2. New quality educational institutions be taken up by the CC. and properly managed.	√	√					
		Manage any other educational institutions for promotion of education with prior approval of the Govt. (26.1)	Undo	√	√					
		Educational institutions	Undo	√	√					

Function (1)	Function (2)	Detail Activities	5 Year Action Plan	Applicable Activity				Decentralization		Modality of Decentralization and Remarks
				Kaizen Activity	Technology Transfer	Instalment of Equipment	Increase of Manpower	From	To	
		maintained by the corporation shall conform to such standard as prescribed (26.2)								
		Levy such fees for use of educational institutions as prescribed (26.3)	Undo	√	√					
		Give financial aid to private educational institution within the city with prior approval of the Govt. (26.4)	Undo	√	√					
	Compulsory education (26.5)	Enforce compulsory education in the city (26.5)	3 satellite schools for the unions included in RpCC 3 teachers per school Make sure involvement of community to conduct class Propose regulations for operation of school School furniture	√	√	√	√			
		Ensure that every child of school going age in the city attends school recognized by the corp. (26.5)	Increase number of staff to monitor	√		√				
	General provisions about education (26.6)	Construct and maintain building to be used as hostels for students.(ka)	No need							
		Give scholarship to deserving and meritorious students (kha)	Propose new scholarship system to promote better education	√						
		Arrange training program to teachers (ga)	Training given quarterly for all teachers (including non-forma) in RpCC	√	√					
		Promote adult education (gha)	There is no needs, but pilot activity could be done by RpCC	√						
		Provide school books to orphans and poor students free of cost or at concessional rates (uma)	Provide school uniform, meals, books to students of 10 RpCC schools	√						
		Maintain sale centers for sale	No need							

Function (1)	Function (2)	Detail Activities	5 Year Action Plan	Applicable Activity				Decentralization		Modality of Decentralization and Remarks
				Kaizen Activity	Technology Transfer	Instalment of Equipment	Increase of Manpower	From	To	
		of books and stationeries (cha)								
		With prior approval of the Govt. (chaa) :	0							
		1) Promote and assist educational societies.	No need							
		2) Survey and implement educational plans.	Install equipment for survey (2PC, printer, internet connction)	√		√				
		3) Provide milk or meals to school children free or at cheaper cost.	Prepare plan for two meals for students.	√						
		Adopt any other measures likely to promote cause of education (26.6) (ja)	0							
	Promotion of cultural activities (26.7)	Establish and maintain information centers for spread of education and community development (Ka)	1. Education & cultural officer - 1 2. Librarian - 1 3. Cataloger - 1 4. Office asst. cun PC operator - 1 5. MLSS - 1	√			√			
		Provide and maintain radio and television set at public institutions and public places (kh)	Conduct assessment of needs of radio and TV Propose provision of radio or TV at public places esecially rural areas newly expanded	√		√				
		Establish museums and art galleries for exhibition of articles (Ga)	Propose to establish museum or cultural center	√						
		Establish and maintain public halls and community centers (Gha)	Proposed to establish community centers for especially poor or middle class people (proposed by councilor)	√						
		Celebrate independence day and other national holidays (Uma)	None							

Function (1)	Function (2)	Detail Activities	5 Year Action Plan	Applicable Activity				Decentralization		Modality of Decentralization and Remarks
				Kaizen Activity	Technology Transfer	Instalment of Equipment	Increase of Manpower	From	To	
		Provide reception of distinguished visitors visiting the corporation (cha)	0							
		Encourage use of national language (Chaa)	0							
		Promote physical culture, encourage public games and sports, and organize rallies and tournaments (Ja)	Organize sports competition	√						
		Promote tour to cities (Jha)	Propose program of tour	√						
		Preserve historical places (ea)	Establish coordination and collaboration to facilitate researve historical places	√				CC	National Agency	Coordination
		Provide and develop recreational facilities for the public (ta)	Prpose specific plan to establish recreational facilities	√						
		Adopt other measures to promote native culture (Tha)	Propose activity to promote native culture	√						
	Establishment and maintenance of public libraries (26.8)	Establish and maintain general and movable public libraries (26.8)	Propose estimation of establishment or reform of libraries	√						
	Arrangement of fairs, shows and festivals (26.9)	With prior approval of Govt.- make arrangements necessary on the occasion of fairs, shows and public festivals	0							
		Levy fees on the persons attending such fairs (26.9)	0							
SI-27. Social welfare	Social welfare activities (27)	Establish and maintain welfare homes, asylums, widow homes and other institutions for relief of the distressed (ka)	A Separate Social welfare dept. opened with required manpower. A Vehicle be provided to carry dead bodies. A new social welfare deptt. opened with required manpower.		√	√	√			
		Provide burial and burning of dead bodies of paupers at the expenses of the corp. (khan)	1 car for carrying dead body			√				
		Adopt measures for prevention of beggary,	City policy is necessary		√					

Function (1)	Function (2)	Detail Activities	5 Year Action Plan	Applicable Activity				Decentralization		Modality of Decentralization and Remarks
				Kaizen Activity	Technology Transfer	Instalment of Equipment	Increase of Manpower	From	To	
		prostitution, gambling, taking of injurious drugs, consumption of alcoholic liqueur, Juvenile delinquency and other social evils (ga)								
		Organize social service volunteers (gha)	Make plan for fire fighting and other eathquak Provide training	√						
		Adopt measures for promotion of the welfare of women. Children and people of backward classes (cha)	Need to secure budget to implement social work specially for slum area after UPPRP 17 Community Organizer (CO) should be proposed to be assigned	√			√			
		Adopt any other measures for promotion of social welfare (chaa) (27)	Propose loan program for poor people Establish management structure in CC Plan for social welfare for disable people and aged people	√	√					
SI-28. Development	Preparation and implementation of development plans (28.1)	Prepare and implement development plans for specified period with prior approval of the Govt.	Development plans prepared and implemented. Appropriate community development projects undertaken and implemented. Commercial scheme undertaken and implemented. New PDP prepared for CC including new jurisdiction	√	√					
		Provide specified function in such plans [28.1(a)]	Implement PDP after completion of master plan	√	√					
		Collection of finance for such plan, it's implementation and supervision [28.1(b)]	Some part of PDP is implemented by the fund of ICGP, MGSP (WB) and Solar project (ADB) Urban health care project by ADB is implemented	√	√	√				
		Govt. may direct to expend from income of any specified item of the corp. partly or	Establish coordination and collaboration between RpCC and national agencies	√						

Function (1)	Function (2)	Detail Activities	5 Year Action Plan	Applicable Activity						Modality of Decentralization and Remarks
				Kaizen Activity	Technology Transfer	Instalment of Equipment	Increase of Manpower	Decentralization		
								From	To	
		fully to implement any development scheme [28.1(c)]								
	Community development plan (28.2)	Prepare and implement community development projects in the prescribed manner (28.2)	Reactivate CBO, and implement Social Development Plan prepared by CBO. Establish institutional structure to link between SDP and plan of RpCC	√	√					
	Commercial schemes (28.3)	Draw up and implement schemes for under taking commercial and business enterprise in the presided manner with prior approval of the Govt.	Prepare scheme for market development		√					

Annex H-2: Function Performance Analysis and 5 Year Action Plan of RpCC

Function (1)	Function (2)	Detail Activity	Level of Performance				Reason for "Moderate", "Low" or "None" performance	Present Status	5 Year Action Plan
			H	M	L	No			
1	2	3	6				4	5	6
SI-1. Public Health	Responsibilities for sanitation. (1.1)	Take Measures of proper sanitation.			√		Lack of manpower and logistics	<u>Manpower</u> 1. Sanitary Inspector - 1 2. Cleaning supervisor - 3 3. Road cleaner - 300 4. Drain cleaner - 75 Total - 379 <u>Equipment</u> 1. Trucks -8. 2. Van-33.	<u>Manpower</u> 1. Sanitary Inspector - 1 2. Cleaning supervisor - 10 3. Road cleaner - 660 4. Drain cleaner - 140 Total manpower - 841 be appointed <u>Equipment</u> 1. Trucks -16 with driver and helper provided. 2. Van-70 with driver provided.
	Insanitary Building. (1.2)	Ask owners/possessor of the building to keep the same Clean. (1.2)				√	Lack of awareness Lack of manpower	Undo	Assign officials as mentioned above Plan awareness program for cleanness
	Cleaning of insanitary building (1.3)	In case of failure by the owner/possessor, CC will take steps to clean the same and recover the cost form the owner/possessor. (1.3)				√	Lack of awareness Lack of manpower	Undo	Assign officials as mentioned above Plan awareness program for cleanness
	Removal, collection and disposal of waste (1.4 - 1.7)	Collect waste from household			√		Lack of man power and budget	10% collection Lack of capacity of CBO Lack of capacity of NGO People do not maintain dumping schedule	Organizing CBOs in CC Awareness of community (maintain time schedule)
		Collect waste from commercial buildings and industrial area			√		Lack of vehicle Lack of manpower	6 trucks 44 workers and drivers	12 trucks 70 workers
		Make schedule of waste collection			√		People do not maintain time schedule	There is no coordination and awareness of community	Awareness of community (maintain time schedule)
		Site selection and Install dustbins			√		Lack of man power & budget	80 dustbins (2 drainage dustbins) People do not want to install dustbins	Coordination body established (community) Awareness program implemented in Ward Level

Function (1)	Function (2)	Detail Activity	Level of Performance				Reason for "Moderate", "Low" or "None" performance	Present Status	5 Year Action Plan	
			H	M	L	No				
		Collect waste from primary collecting points or dustbins and transport to dumping site			√		Lack of dustbin Lack of awareness of people No schedule maintenance	6 trucks 44 workers and drivers	12 trucks 70 workers	
		Monitor the Cleaning work		√			Lack of man power, Equipment.	23 Conservancy Supervisor (15 wards, 2 markets, 6 trucks)	57 Conservancy Supervisor (33 wards, 12 markets 12 trucks)	
		Monitor waste collection from the dumping station		√			Lack of Motorcycle/cycle Lack of manpower	24 Conservancy Supervisor (15 wards, 2 markets, 6 trucks)	58 Conservancy Supervisor (33 wards, 12 markets 12 trucks)	
		Construct, monitor & maintain waste treatment plant				√	No waste treatment plant Lack of man power Equipment & budget	There is no treatment plant	None	
		Select dumping site				√	No master plan Lack of capacity of CC officials, Mayor and Councilors	No activity	Select according to master plan Coordination with communities	
		Establish dumping site				√	Lack of technical skill Lack of budget	No officials who have skills	Training on site selection for dumping site	
		Manage (monitor and maintain) dumping site			√		Lack of equipment Lack of manpower Lack of vehicle	10 daily labors	2 excavators with dozer	
	Latrines and urinals. (1.8, 1.9, 1.10)		Provide and maintain public latrine and urinals. (1.8)				√	Lack of awareness	Awareness activity by UPPRP	CC sustains activities done by UPPRP
			Occupier of the houses will keep their latrines and urinals in order and clean up to the satisfaction of the Corporation. (1.9)				√	Lack of supervision and Shortage of manpower	Undo	undo
			Corporation will issue notice to the owners/occupiers of the houses to keep their latrines and urinals in proper places either by renovations or removing the same. (1.10).				√	lack of awareness , Lack of supervision and Shortage of manpower	Undo	undo
15	Corporation will register all births, deaths and	Register all births, deaths. Maintain its statistics. (2.1)		√			Lack of manpower and training.	1. Birth and death register	1. Birth and death register - 1 2. Office Assist. Cum Computer operator - 2	

Function (1)	Function (2)	Detail Activity	Level of Performance				Reason for "Moderate", "Low" or "None" performance	Present Status	5 Year Action Plan
			H	M	L	No			
	marriages. (2.1)						-1 2.Office Assitt. Cum Computer operator - 1 MLSS - 3. 1 Total = 3	3. Maulana - 1 4. Priest 1 5. Caretaker for five Graveyard and two crematorium - 11 6. MLSS - 1 Total 17	
		Maintain statistics for registration of marriages				√	Absence of manpower to maintain the statistics.	Undo	Undo
SI-3. Infectious diseases	Measures to prevent infectious diseases and build hospitals. (3.1, 3.2, 3.3)	Take measures to prevent infectious diseases. (3.1)		√			Lack of manpower	No manpower	Conduct Awareness building Manpower be appointed. Scheme proposed and hospital established to prevent infectious disease
		Establish and maintain hospitals for persons affected form infectious diseases. (3.2)				√	Lack of awareness. Hospital Needs to be established	Undo	Undo
		Make schemes to prevent and control of infectious diseases and its implementations. (3.3)				√	No budget provision	Undo	Undo
SI-4. Health and maternity centers	Establish, manage and maintain health and maternity centers. (4)	Establish, manage and maintain maternity centers.				√	No projects taken. Recently project undertaken.	No manpower	<u>Manpower</u> 1. Health officer- 1 2. Health Assist. - 2 3. Family planning Assist. - 2 4. Store keeper - 1 5. Computer operator - 1 6. Vaccinator supervisor- 2 7. MLSS - 1 Total - 10
		Establish manage and maintain centers for the welfare of women, infants and children.		√			Infrastructure needed Lack of manpower and logistics.	Undo	undo
		Arrange training of mid -wife.	√				Lack of manpower. Lack of awareness.	Undo	undo
		Provide promotion of family				√	Lack of manpower	Undo	undo

Function (1)	Function (2)	Detail Activity	Level of Performance				Reason for "Moderate", "Low" or "None" performance	Present Status	5 Year Action Plan
			H	M	L	No			
		planning.					& logistics Infrastructure needed		
		Other measures to promote health and welfare of women, infants and children.		√			Lack of manpower. Indirectly being done through UPPRP project.	Undo undo	
SI-5. Promotion of public health	Measures for promoting public health including health education (5).	Take any measures for promoting public health including education in health (5)				√	Lack of manpower. Project under process.	No manpower. Projects taken Manpower appointed	
SI-6. Hospitals and dispensaries	Establish and maintain hospitals and dispensaries (6.1-6.2)	Establish hospitals for inhabitants of the city				√	Bangabandhu Memorial Hospital established (under lease).	No manpower.	<u>City Hospital</u> 1. Consultant (Medicine) - 1 2. Resident Physician - 1 3. Medical officer - 1 4. Medical Technician - 1 5. Nurse - 5 6. Computer operator - 1 7. Medical store keeper - 1 8. Cleaner - 3 <u>9. MLSS – 3</u> Total – 17 <u>Infrastructure & logistics</u> 1. Well-equipped infrastructure for hospital established. 2. Ambulance - 4. 3. Truck for carrying dead bodies with a driver & helper -1. 4. Adequate medicine provided
		Maintain such hospitals (6.1)					Lease holder maintaining the hospital	-	
		Hospitals and dispensaries maintained by the corporation shall be managed in the manner as may be prescribed (6.2)				√	Lease holder maintaining the hospital	-	
SI-7. Medical aid and relief and medical education	Corporation may take such measures as considered fit or if required by the govt, about specified medical aid and relief and medical education (7)	Establish and maintain first-aid centers		√			Lack of manpower	No manpower.	A project proposed considering all the aspects provided under this section. Undo Undo Undo Undo Undo
		Provide mobile medical aid unit				√	Lack of manpower	Undo	
		Encourage to form societies to render medical aid				√	Lack of awareness.	Undo	
		Promote medical education				√	No budget provision	Undo	
		Payment of grants to institutions for medical relief		√			Lack of sufficient fund provided in the budget.	Undo	
		Medical examination of school children				√	Lack of manpower.	Undo	
SI-8. Water Collection, Supply	Water Collection, Supply	Store water in overhead tank		√			Lack of skill	4 overhead tank 14 tanks is constructed	

Function (1)	Function (2)	Detail Activity	Level of Performance				Reason for "Moderate", "Low" or "None" performance	Present Status	5 Year Action Plan
			H	M	L	No			
	& Management (8.1, 8.3)						20 pump operator	40 pump operator	
		Distribute water by pipeline	√				Old pipeline	135 km pipe line 8% coverage of water supply 20 pump operator	435km pipe line Rural 10%, Urban 45% 40 pump operator
		Maintenance of water supply network					Lack of Budget Lack of manpower Lack of equipment	Manpower: 1.Sub -Assist. Engineer - 1 2. Accountant - 1 3. Office Assist. cum-computer operator - 1 4.Pipe line/ Motor Inspector - 1 5. Bill clerk/Bill distributor - 2 6. Pump/Valve driver - 3 7. Pipe line Mechanic - 4 Total – 13 Equipment: • Sub-miscible pump-1	Manpower: 1.Executive Engineer - 1 2.Supdt (water) - 1 3. Chemist - 1 4. Accountant - 1 5.PC operator 1 6. Pipe line/ Motor Inspector - 2 7. Store keeper - 1 8. Bill clerk/Bill distributor - 2 9. Pump/Valve driver - 3 10. Treatment plant operator - 2 11. Electrician - 1 12. Pipe line Mechanic - 4 13. Asst. pump driver - 5 14. Assist. Pipe line Mechanic - 5 Total - 32 Logistics: • Submersible pump with well-equipped structure provided.
		Provide household with water supply		√			Old water pipe line system Unwillingness of consumers Lack of Budget	5,500 households High Fe and Mg contain	15,000 households Low Fe and Mg contain
		Response to complaints on water supply		√			Lack of budget Lack of mobility	0 vehicle 0 motorcycle	1 pickup 7 motor cycle
		Collect tariff for water supply				√	Low efficient Low water quality Insufficient water pressure	High Fe and Mg contain Insufficient pressure 5 bill distributor Lower than 40% tariff collection	Low Fe and Mg contain Sufficient pressure 10 bill distributor 75% tariff collection Awareness building
		Extension of water supply activates				√	Lack of Budget Lack of manpower, mobility, equipment	0 Ex. Eng. 0 Sub-Assist. Eng. 0 pick up	1 Ex. Eng. 2 Sub-assist. Eng. 1 pickup (for supervising)
		Planning of water supply	Make master plan for water		√			Lack of skill	Capacity for planning is low

Function (1)	Function (2)	Detail Activity	Level of Performance				Reason for "Moderate", "Low" or "None" performance	Present Status	5 Year Action Plan
			H	M	L	No			
	system	supply					Not function in CC Act	planning	
Establish water source and pipeline network (8.2)	Borehole drilling	√				0	10 borehole	30 borehole 2 rain water harvesting Officers are trained on rain water harvesting	
	Establish pump and overhead tank				√	Lack of budget	0 Ex. Eng. 0 Sub-assist. Eng.	1 Ex. Eng. 2 Sub-assist. Eng.	
	Establish water supply pipeline according to master plan (include extension)	√				0	0 Ex. Eng. 0 Sub-assist. Eng.	1 Ex. Eng. 2 Sub-assist. Eng.	
	Establish water treatment plant		√			Lack of plant	2 plants	Establish surface water treatment plant	
	Rehabilitation of water supply system (pump, tank, pipelines, treatment plant etc.)	√				0			
Private sources of water supply (8.4-8.6)	Inspect and control private sources of water supply within the city (8.4)				√	Lack of improvement of water supply system in CC.	No activity	Assign officer in charge Make regulations Inspection tools	
	Issue notice to the owner having control of private source of water supply for drinking purpose to keep the same in good order and protect form contamination (8.6)				√	Lack of improvement of water supply system in CC.	No activity	Assign officer in charge Make regulations Inspection tools	
Water quality management	Water quality test		√			Lack of Lab (CC)	0 Laboratory	1 Multi-purpose Lab (water, civil) Officers are trained on water quality test	
	Water quality control		√			Lack of Lab (CC) Rehabilitation of pipe	0 Laboratory	1 Multi-purpose Lab (water, civil) Officers are trained on water quality control	
Drainage (8.7-8.9)	Prepare drainage Master plan			√		Lack of Man power & budget	1 Town Planner No planning software Law capacity of planning	Officers appointed according to new organogram Planning software (GIS), tools (GPS), etc. installed Town Planning section officers trained on urban planning Coordination body for urban planning established	
	Survey on drainage construction		√			Lack of Manpower Lack of capacity of officer Lack of equipment	3 Sub-assist Eng. (Civil) 3 Surveyor 1 set of survey equipment	8 Sub-assist. Eng. 6 Surveyor 4 sets survey equipment 4 computers Training for survey conducted	
	Designing the drainage		√			Lack of skill	Low designing skill	Training for designing conducted	

Function (1)	Function (2)	Detail Activity	Level of Performance				Reason for "Moderate", "Low" or "None" performance	Present Status	5 Year Action Plan
			H	M	L	No			
		Construction of drainage		√			Lack of skill Lack of Work Assist.	Low skill of Work Assist. 6 Work Assist.	Training implemented 16 Work Assist.
		Monitor and Supervise Drainage construction work		√			Lack of mobility	Low skill of Work Assist. 6 Work Assist.	Training implemented 16 Work Assist.
		Inspect drainage	√				0		
		Maintain drainage	√				0		
		Require the provision, alternation, covering, clearing and closing of private drains		√			Lack of coordination	Low coordination with private sector	Coordination body established
		Monitoring and reporting of drainage conditions		√			Lack of manpower Lack of mobility Coordination with councilors and residents	3 Sub-assist. Eng. (Civil) 2 active motorcycles 1 pickup Low coordination with residents	8 Sub-assist. Eng. 10 motorcycles 2 pickup 1 deep Assign officials and install equipment as above, or establish coordination body with local people (CBO)
		Tender management	√				0		
		Cleaning the drain		√			Lack of Manpower Lack of awareness (people dump waste)	270 cleaners (including road, highway, bus terminal)	750 cleaners (including road, highway, bus terminal)
	Prepare drainage schemes (8.10-8.11)	Prepare a Drainage Scheme for construction of drains at public and private expense		√			Lack of coordination with Town Planning Lack of skill	There was no town planning section	Coordination body between CC and RHD established Town Planning Dept./Sec. established Training for drainage scheme conducted
	Bathing and washing places (8.13)	Fix suitable places for use of public bathing, washing and drying of clothes (8.12)				√	Not yet fixed up. Lack of awareness	N/A	N/A
		Prohibit use of any places not so set apart by issuing public notice (8.12)				√	Does not arise as the places are not fixed-up.	N/A	N/A
	Provide Dhobi Ghart for washer man (8.13, 8.14)	Provide Dhobi Ghats for use of washer man by imposing fees (8.13)				√	No activity of Dhobi	N/A	N/A
		Provide license to washer man (8.14)				√	No such application received	N/A	N/A
	Declare any source of water to be a public water course (8.15, 8.17)	With previous sanction of the Govt; declare spring, river tank, pond or public stream to be a public water course (8.15)			√		3 Lakes declared (kukrul, Chikly, Nasnia)	N/A	N/A
		Provide recreational facilities				√	Not provided.	N/A	N/A

Function (1)	Function (2)	Detail Activity	Level of Performance				Reason for "Moderate", "Low" or "None" performance	Present Status	5 Year Action Plan
			H	M	L	No			
		making arrangements for life saving							
		Develop irrigation, drainage and navigational facilities keeping in consistence with any other law already in force (8.16)				√	Not yet developed At present 3 lakes are leased out.	N/A	
		Manage and maintain all watercourse according to the existing law (8.17)		√			Leased out.	N/A	
SI-9. Public ferries	Issuing in of license to boats and other vessels plying for hire in a public water course .(9.1)	Issue license to boats and other vessels plying on hire in a public water course				√	No activity	-	
	Management and operation of public ferry (9.2)	Manage and operate of public ferry				√	No activity	-	
		Collect toll for use of such ferry				√	No activity	-	
SI-10. Public fisheries	Declaration of public water-course as a public fisheries and its management (10)	Declare of public water-course as a public fisheries		√			No activity	-	
		Number of such public fisheries declared		√			No activity		
		Collect revenue from such fisheries (10)				√	No activity		
SI-11. Articles of food and drink	Control on sale of food items and drinks (11.1)	Prohibit manufacture, sale or preparation of specified food or drink in unlicensed place (11.1)		√			Absence of bye-laws. Lack of manpower. Absence of food testing laboratories.	1. No bye-laws. 2. Shortage of manpower in Health and sanitation section. 3. No food testing laboratories.	1. Bye-law prepared. 2. Manpower appointed. 3. Food and beverages testing laboratories be established.
		Prohibit import into the city for sale of food and drink without license (11.1)		√			Undo	Undo	Undo
		Prohibit hawking of specified food and drink in specified place (11.1)			√		Undo	Undo	Undo
		Regulate time and manner of transport of specified food and drink (11.1)				√	Undo	Undo	Undo
		Regulate grant and withdrawal of license and levying of fees (11.1)				√	Undo	Undo	Undo

Function (1)	Function (2)	Detail Activity	Level of Performance				Reason for "Moderate", "Low" or "None" performance	Present Status	5 Year Action Plan
			H	M	L	No			
	Control on supply of milk (11.2,11.3)	Seizure and disposal of diseased animal poultry and fish, and noxious food and drink (11.1)				√	Undo	Undo	
		Prohibit any person to keep milk cattle for sale of milk without license (11.2)		√			Lack of manpower	No official	No activity
		Prohibit any person to import or sale of milk without license (11.2)		√			Lack of manpower	No official	No activity
		Prohibit any person to manufacture butter, ghee or diary product using any premises without license (11.2)		√			Lack of manpower. Absence of testing laboratories.	No official	No activity
		Prepare milk supply scheme for supplying of pure milk to the public (11.3)				√	Lack of awareness	No official	No activity
		SI-12. Public markets	Establish and maintain public markets (12.1)	Establish and maintain public markets (12.1)		√			Lack of Infrastructure. Lack of manpower.
Realize salami or advanced rent form the intending occupants for construction of public market (12.2)	√						-	Undo	Undo
Charge fees for use of space and sale of goods (12.3)				√			Regulations need to be framed.	Undo	Undo
Charge fees in respect of animals brought for sale of sold (12.3)	√						Leased out on yearly basis. Fees charged as per rate of D.C's office.	Undo	Undo
Charge fees from brokers, commission agents, weigh men and others engaged in the market for their livelihood (12.3)						√	Bye-laws not yet framed	Undo	Undo
SI-13. Private market	Establishment and maintenance of private markets (13.1-13.5)	Grant license for establishment and maintenance of private markets (13.1)		√			Lack of manpower	1. Shortage of manpower 2. Absence of regulation.	1. A separate Market section is opened with adequate manpower. 2. Regulation is made.

Function (1)	Function (2)	Detail Activity	Level of Performance				Reason for "Moderate", "Low" or "None" performance	Present Status	5 Year Action Plan
			H	M	L	No			
		Check up the private markets which were established before the enforcement of this Act. Verify if the owner applied within three months after the enforcement of this Act and license given. (13.2)				√	Lack of awareness and Supervision	Undo	Undo
		Charge fees in respect of private markets as per bye-laws (13.3)				√	Lack of awareness and Supervision. Bye-laws not yet framed	Undo	Undo
		Direct the owner of the private market to discontinue the same if it goes against public interest (13.4)				√	Lack of awareness and Supervision	Undo	Undo
		Direct the owner of the private market to construct and provide facilities for its maintenance within the specified time (13.5)		√			Lack of awareness	Undo	Undo
		Provide and maintain of slaughter house (14)	Provide and maintain slaughter house within or without the limits of the city (14)		√			Lack of manpower. Existing -one slaughter house. Need to be increased	1. One slaughter house now in existence. 2. Shortage of manpower.
SI-14. Slaughter house	Animal Husbandry (15.1,15.2)	Establish and maintain veterinary hospitals and dispensary (15.1)				√	Lack of awareness and preparation of bye--laws	• No animal hospital.	1. One animal hospital along with necessary equipment and logistic be established. 2. Veterinary surgeon along with supporting staff is appointed.
		Charge fees for treatment of animals in such hospitals (15.1)				√	Dose not arises as it does not exist.	Undo	Undo
		Prevent spread of infectious diseases by compulsory inoculation of animals (15.2)				√	Dose not arises as it does not exist.	Undo	Undo
	SI-15. Animals	Stray animals (15.3-15.5)	Seize, detain and impound the animals if found straying in public places or cultivated land (15.3)				√	Leased out on yearly basis (53 Impound out of which 40 impound leased out)	53 Impounds out of which 40 impounds leased out.
Establish and maintain cattle						√	Leased out yearly		

Function (1)	Function (2)	Detail Activity	Level of Performance				Reason for "Moderate", "Low" or "None" performance	Present Status	5 Year Action Plan
			H	M	L	No			
		pounds (15.4)							
		Charge fines and fees for impounding of cattle's (15.4)			√		Leased out yearly basis		
		Impound animals if found pickled or tethered in any street and public places where prohibited (15.5)				√	Lack of awareness. To be done.		
	Animal homes and farms (15.6-15.8)	Establish and maintain animal homes (15.6)				√	Not in existence. Lack of awareness.	Not in existence	1. Planned to establish animal homes according to master plan 2. Manpower proposed
		Arrange to keep animals of private persons in the said homes (15.6)				√	Not in existence. Lack of awareness.	Undo	Undo
		Establish and maintain cattle farms and poultry farms (15.7)				√	Not in existence. Lack of awareness.	Undo	Undo
	Registration of the sale of cattle (15.8)	Register sale of animals (15.8)				√	Not in existence. Lack of awareness.	No scheme. No regulation	Livestock development scheme prepared. Regulation made.
		Receipt of payment of fees for such registration (15.8)				√	Does not arise as it is not in existence	Undo	Undo
	Livestock improvement (15.9)	Frame and execute livestock scheme (15.9)				√	Lack of awareness. Bye-law not prepared	No regulations	Regulation made.
	Dangerous animals (15.10)	Make bye-laws defining the animal which are dangerous (15.10)				√	Ministry issued letter to stop it as Dept. Of Environment objected to it.	Undo	Undo
		Make arrangement to detain or destroy such animals (15.10)				√	Coordination with Dept. of Environment	Undo	Undo
	Cattle shows (15.11)	Hold cattle shows and fairs (15.11)				√	#REF!	No activity	No activity
		Charge fees from the people attending such shows (15.11)				√	Place not yet fixed by the CC. Being disposed of to a suitable unspecified place	No activity	No activity
	Zoo (15.12)	Establish and maintain zoological garden and collect fees from the people (15.12)				√	Lack of man power Lack of equipment Lack of coordination with national agencies	No activity	No activity
	Disposal of carcasses	Dispose of dead bodies of		√			Lack of manpower	No place fixed up to dispose	A place fixed up to dispose of the dead bodies of animals.

Function (1)	Function (2)	Detail Activity	Level of Performance				Reason for "Moderate", "Low" or "None" performance	Present Status	5 Year Action Plan
			H	M	L	No			
	(15.13)	animals within 24 hours after it's death to a place fixed by the corp.(15.13)					Lack of equipment	of dead bodies of animals.	
SI-16. Town Plan and Development	Make Master (16.1-16.3)	Monitor and Supervise the Master Plan work			√		Lack of man power Lack of equipment Lack of coordination with national agencies	1 Town Planner No planning software Law capacity of planning	Officers appointed according to new organogram Planning software (GIS), tools (GPS), etc. installed Town Planning section officers trained on urban planning Coordination body for urban planning established
		Update master plan			√		Lack of manpower Lack of equipment	Undo	Undo
		Compose and implementation of five or more yearly projects			√		Lack of manpower Lack of equipment	2 Town Planner No planning software Law capacity of planning	Officers appointed according to new organogram Planning software (GIS), tools (GPS), etc. installed Town Planning section officers trained on urban planning
		Conduct a survey of the City including its history, statistics, public services and others			√		Lack of manpower Lack of capacity Lack of equipment	0 Surveyor Law skill and experience of survey	4 Surveyor for planning appointed Training for survey conducted
		Make restrictions, regulations and prohibitions on building and development site			√		There is no master plan But it is under preparation.	1 Town Planner 0 Law officer 0 Magistrate Law skill and experience	3 Town Planner Officers in Law section and Magistrate section appointed Training for regulation on urban planning conducted
		Monitor development of sites, and erection and re-erection of buildings			√		Lack of manpower Lack of skill (knowledge of law) No monitoring tool Coordination with councilor and citizen	0 surveyor for town planning Law skill for monitoring No monitoring tool	4 Surveyor for planning appointed Training for monitoring conducted Sustainable Monitoring system and tools developed

Function (1)	Function (2)	Detail Activity	Level of Performance				Reason for "Moderate", "Low" or "None" performance	Present Status	5 Year Action Plan
			H	M	L	No			
		Impose the restrictions, regulations and prohibitions made according to master plan			√		Coordination with councilor and citizen Awareness program for rule and regulation Coordination with police	Weak coordination with citizen and councilor Few awareness program for urban planning (rule and regulation) No coordination with police No officers appointed in Law section and Magistrate section	Coordination body established for town planning Awareness program implemented Coordination body established for law enforcement
	Site development scheme (16.4-16.6)	Make division of the site into plots			√		Lack of manpower Lack of equipment Lack of skill	1 Town Planner No planning software Law skill and experience on site development	Officers appointed according to new organogram Training on site development conducted
		Provide streets, drains and open spaces			√		Lack of manpower Lack of equipment Lack of skill	1 Town Planner No planning software Law skill and experience on site development	Officers appointed according to new organogram Training on site development conducted
		Reserve, transfer or acquire land for public purposes			√		Lack of manpower Lack of equipment Lack of skill	1 Town Planner No planning software Law skill and experience on site development	Officers appointed according to new organogram Training on site development conducted
		Estimate and fix price of plots			√		Lack of experience, skill	Law experience and skill	Training on land value estimation conducted
		Execute site development scheme			√		Lack of manpower Lack of skill	1Town Planner	Officers appointed according to new organogram Training on site development conducted

Function (1)	Function (2)	Detail Activity	Level of Performance				Reason for "Moderate", "Low" or "None" performance	Present Status	5 Year Action Plan
			H	M	L	No			
SI-17. Building control	Regulation of buildings (17.1)	Identify the building or anything fixed thereon to be in ruinous state which appears to be dangerous to its inhabitant, neighboring building and passerby (17.1)		√			List prepared.	Shortage of manpower	Intensive supervision is done continuously. Adequate manpower recruited.
		Issue notice to the owner of such building to take appropriate action to save its inhabitants, neighboring building and passerby (17.1)		√			Notice issued to owners of the building		
		In default by the owner, take appropriate action (17.1)				√	Under process.		
		Realize cost incurred by such action in the form of tax levied on the owner (17.1)				√	Not yet realized as the process is not complete.		
	Dangerous building (17.2)	Prohibit occupation of building in dangerous condition or unfit for human habitation until it has been suitably repaired (17.2)		√			Notice issued to owners of the building		
SI-18. Streets	Construction and maintenance of public streets (18.1-18.4)	Conduct survey for road construction		√			Lack of budget Master plan Lack of Manpower Capacity of officer Lack of equipment	3 Sub-assist Eng. (Civil) 3 Surveyor 1 set of survey equipment	8 Sub-assists. Eng. 6 Surveyors 4 sets survey equipment 4 computers Training for survey conducted

Function (1)	Function (2)	Detail Activity	Level of Performance				Reason for "Moderate", "Low" or "None" performance	Present Status	5 Year Action Plan
			H	M	L	No			
		Design road		√			Lack of fund Lack of equipment (PC) Total Station (equipment for design) No laboratory (use LGED)	Law designing skill	Training for designing conducted
		Manage tender for construction	√						
		Construct road and footpath		√			Lack of Equipment (for rent)	4 road roller (2 good, 2 bad condition) 0 tire roller 0 mini roller (hand) 0 mixing machine 0 asphalt finisher 0 Tar boiler 0 Excavator 0 Bull dozer	8 roller (4 10t + 4 7t roller) 2 tire roller 2 mini roller (hand) 6 mixing machine 2 asphalt finisher 2 tar boiler 2 Excavator 2 Bull dozer
		Supervise and monitor road construction	√				Lack of man power	Low skill of Work Assist. 6 Work Assist.	Training implemented 16 Work Assist.
		Maintain road and footpath		√			Lack of Equipment (for rent)	4 road roller (2 good, 2 bad condition) 0 tire roller 0 mini roller (hand) 0 mixing machine 0 asphalt finisher 0 Tar boiler 0 Excavator 0 Bull dozer	8 roller (4 10t + 4 7t roller) 2 tire roller 2 mini roller (hand) 6 mixing machine 2 asphalt finisher 2 tar boiler 2 Excavator 2 Bull dozer

Function (1)	Function (2)	Detail Activity	Level of Performance				Reason for "Moderate", "Low" or "None" performance	Present Status	5 Year Action Plan
			H	M	L	No			
		Monitor road condition		√			Lack of vehicle	3 Sub-assist. Eng. (Civil) 2 active motorcycles 1 pickup Low coordination with residents	8 Sub-assist. Eng. 10 motorcycles 2 pickup 1 deep Coordination body with local people established
		Cleaning		√			Shortage of Manpower Lack of equipment Lack of budget	270 cleaners (including bus terminal, highway, drainage)	750 cleaners (including bus terminal, highway, drainage)
	General provisions about streets (18.5-18.9)	Name a road and place name plate	√				0		
		Draw street lines and building lines				√	There is no work because road is narrow	There is no line	Marking machine (line)
		Require setting back of building				√	Lack of fund Lack of coordination	Inefficient coordination with local people	Coordination body established
		Regulate use of street by bylaw				√	Officer of law section are not appointed	Weak coordination with citizen and councilor Few awareness program for traffic rules and regulations No coordination with police No officers appointed in Law section and Magistrate section	Coordination body established for town planning Awareness program implemented Coordination body established for law enforcement

Function (1)	Function (2)	Detail Activity	Level of Performance				Reason for "Moderate", "Low" or "None" performance	Present Status	5 Year Action Plan
			H	M	L	No			
	Encroachments (18.9-18.11)	Prevent illegal encroachment on roads, drains, land, buildings, lane or park of the corporation (18.9)		√			Lack of manpower and equipment, Court cases.	Weak coordination with citizen and councilor Few awareness program for traffic rules and regulations No coordination with police No officers appointed in Law section and Magistrate section	Coordination body established for town planning Awareness program implemented Coordination body established for law enforcement
		Remove such encroachment and realize the cost in the form of tax levied on the person responsible for such encroachment (18.10)			√		Shortage of equipment. Absence of Magistrate, police and law section.		
		Aggrieved person may appeal to the Govt. and decision of the Govt. shall be final (18.11)				√	No such cases took place.		
	Street lightings (18.12, 18.13)	Select locations of street lighting				√	No experience	Low practical experience of site selection	Training on site selection for street light
		Establish street lighting		√			Shortage of manpower Lack of equipment Lack of vehicle	22 permanent, 6 part-time Electric mistree 0 Safety and electric equipment	Contractor
		Install electric pool		√			Lack of equipment	22 permanent, 6 part-time Electric mistree 0 Safety and electric equipment	Contractor

Function (1)	Function (2)	Detail Activity	Level of Performance				Reason for "Moderate", "Low" or "None" performance	Present Status	5 Year Action Plan
			H	M	L	No			
		Installation of light, connection and main switch		√			Lack of Budget Lack of manpower	22 permanent, 6 part-time Electric mistree 0 Safety and electric equipment	Contractor
		Maintain street lighting		√			Lack of budget Lack of manpower	22 permanent, 6 part-time Electric mistree Safety and electric equipment 1 hydraulic ladder	40 trained permanent electric mistree 160 set safety and electric equipment 4hydraulic ladder (vehicle) 2 pickups 4 motorcycles
		Monitor street lighting		√			Lack of Manpower Lack of mobility	2 Sub-assist. Eng. (electrical)	4 Sub-assists. Eng. 1 pick up
		Control main switches		√			Lack of manpower	28 switch operator	40 switch operator
	Street watering (18.14)	Take steps for watering of public streets for comfort and convenience of the public (18.14)				√	Lack of manpower and equipment.	No official in charge	Make any plan to achieve the function
SI-19. Traffic Control	Arrangement for control and regulation of traffic (19.1)	Make draft of bylaw on road and traffic rules				√	Officer of law section are not appointed	1 Town Planner 0 Law officer 0 Magistrate Law skill and experience	3 Town Planner Officers in Law section and Magistrate section appointed Training for regulation on urban planning conducted

Function (1)	Function (2)	Detail Activity	Level of Performance				Reason for "Moderate", "Low" or "None" performance	Present Status	5 Year Action Plan
			H	M	L	No			
		Finalize bylaw on road and traffic rules				√	Officers of law section are not appointed	0 Law officer 0 Magistrate Law skill and experience	Officers in Law section and Magistrate section appointed Training for regulation on urban planning conducted
		Dissemination of bylaw				√	Officers of law section are not appointed	ineffective information dissemination system	Effective information dissemination system established
		Enforcement of bylaw				√	Officers of law section are not appointed	Weak coordination with citizen and councilor Few awareness program for traffic rules and regulations No coordination with police No officers appointed in Law section and Magistrate section	Coordination body established for town planning Awareness program implemented Coordination body established for law enforcement
	Public vehicles (19.2-19.4)	To see that public vehicles other than motor vehicle shall not be kept, let on hire or drive within the city without license granted by the corporation (19.2)	√				-		
		Fix rate of fares for use of public vehicles (19.3)	√				-		
SI-20, Public safety	Firefighting (20.1-20.2)	Operation of firefighting (20-1, 20-2)				√	No firefighting arrangement provided Help of fire service & civil defense department is being taken	No firefighting arrangement.	CC develops its own fire-fighting unit with necessary vehicle, equipment and accessories. Manpower recruited and training given.

Function (1)	Function (2)	Detail Activity	Level of Performance				Reason for "Moderate", "Low" or "None" performance	Present Status	5 Year Action Plan
			H	M	L	No			
	Assistance to Govt. for civil defense related functions (20.3)	Assist Govt. for civil defense related functions (20.3)		√			Absence of manpower	No responsible official	Manpower assigned for this function Proper training given.
SI-21. Disaster management	Take appropriate action in coordination with local administration according to the Govt. policy and rules (21)	Take appropriate action in the light of the Govt. rules and co-ordination with the local administration (21)		√			Lack of manpower and fund	No responsible official	Manpower assigned for this function Proper training given. Establish coordination between RpCC, national agencies and community
SI-22. Trade of dangerous and harmful materials	Ascertainment of dangerous and harmful materials for trade by the Govt.(22.1) Corporation will not allow any person to allow such trade without license issued by the corporation (22.2)	To see that no person carry on trade of dangerous and harmful materials without license (22.1)		√			Lack of man power	1. Absence of rules. 2. Shortage of manpower.	1. Rules be framed determining the dangerous and harmful materials. 2. Manpower recruited.
		To see that no premises or household are used for such trade without license (22.2)		√			Lack of manpower	No official to monitor	Propose any plan to monitor such household
		To see that no person keeps any such materials in any premises except for domestic use		√			Lack of manpower	No official to monitor	Propose any plan to monitor such activities
		To see that no person store or keep such materials in excess of such limits fixed by the by-laws [22.2 (C)]		√			Limit not fixed up Lack of manpower & awareness. No bye law prepared.		
SI-23. Graveyard and crematorium	Provide suitable places for burial and burning of dead bodies and maintenance and management of such places (23.1-23.4)	Provide places for burial and burning of dead bodies (23.1)	√				-	Existing manpower -3.	1. Manpower increased to 17.
		Manage and maintain such places properly (23.2)		√			Lack of manpower		
		Register the burial and burning places which are not managed and maintained by the corporation (23.3)				√	Bye-law not prepared. Bye-law to be prepared.	No by-laws or regulations	Prepare by-law or regulations
		Inspect and supervise such places (23.3)				√	Lack of manpower. Not being done in absence of bye-laws.	No by-laws or regulations	Prepare by-law or regulations
		See that no new burial and				√	Lack of awareness	No by-laws or regulations	Prepare by-law or regulations

Function (1)	Function (2)	Detail Activity	Level of Performance				Reason for "Moderate", "Low" or "None" performance	Present Status	5 Year Action Plan
			H	M	L	No			
		burning places are established except under a license granted by the corporation (23.4)							
SI-24. Trees, parks gardens and forest	Tree plantation (24.1-24.2)	Plant trees to the adjacent space of the public streets and on public places (24.1)		√			1. Lack of manpower 2. Lack of awareness.	1. Shortage of manpower 2. No plant research plan is prepared.	1. Required manpower recruited. 2. plant research plan is prepared and approval taken from Govt.
		Frame and implement plant-research plan with the approval of the Govt.(24.2)				√			
	Gardens (24.3-24.4)	Provide, maintain and manage public gardens for recreation and convenience of the public (24.3)			√		Lack of preparation of bye-laws. Lack of manpower.	1. Shortage of manpower for garden management. 2. No regulation for maintenance of garden. 3. No garden development plan.	1. Manpower recruited. 2. Regulation made for garden management. 3. Garden Development plan is prepared and implemented.
		Frame and implement garden development plan for each public garden (24.4)				√	Lack of awareness & lack of manpower	Undo	Undo
	Open spaces (24.5)	Provide and maintain open space (24.5)			√		Lack of awareness & lack of manpower	1. No open space.	1. Open spaces are provided, earmarked and grassed.
		Shall be grassed, hedged and improves (24.5)				√	Lack of awareness & lack of manpower		

Function (1)	Function (2)	Detail Activity	Level of Performance				Reason for "Moderate", "Low" or "None" performance	Present Status	5 Year Action Plan
			H	M	L	No			
	Forests (24.6)	Frame forest Development plans providing development of forest and implement the same				√	Lack of awareness & lack of manpower and opening of a separate estate section.	1. No specific section assigned to perform such function. 2. No forest plan has been assigned to perform the job.	1. A section especially estate section be assigned to perform the function. 2. Forest development plan is prepared and implemented. 3. Required manpower recruited.
		Plant trees and maintain the same according to plan (24.6)				√	Lack of awareness & lack of manpower and opening of a separate estate section.		
	Nuisances pertaining to trees (24.7-24.9)	Destroy the pests causing damage to trees and plants (24.7)		√			Lack of manpower.	• Shortage of manpower.	• Required manpower recruited. • Continuous supervision and implementation done.
		Issue notice to the owner of the premises where noxious growth of trees, creeper and herbs takes place to remove the same (24.8)		√			Lack of awareness. Lack of manpower.	Undo	Undo
		Clear the same if the owner of such premises failed to do so and realize the cost thereof in the form of tax levied on him (24.8)		√			Lack of awareness. Lack of manpower.	Undo	Undo
		Arrange felling of any trees which are dangerous and likely to cause obstruction to traffic (24.9)		√			Lack of awareness. Lack of manpower.	Undo	Undo

Function (1)	Function (2)	Detail Activity	Level of Performance				Reason for "Moderate", "Low" or "None" performance	Present Status	5 Year Action Plan
			H	M	L	No			
		Trim the branches of trees which overhang and likely to cause obstruction to traffic (24.9)		√			Lack of awareness, lack of manpower.	Undo	Undo
	Prohibit cultivation of dangerous crop (24.10)	Prohibit cultivation of any crop which is considered dangerous to public health (24.10)				√	Lack of awareness. Lack of manpower.	Undo	Undo
SI-25. Tanks and low lying areas	Excavation and re-excavation of tanks, Reclamation of low-lying areas (25)	Excavate and re-excavate tanks (25)		√			Not in practice as level of water is high	• Not in practice.	Re-excavation of tanks be done and leased out for income generation.
		Reclaim low-lying areas (25)		√			Not in practice as level of water is high	• Not in practice.	• Low lying areas be reclaimed and properly managed by constructing embankment for income generation.
SI-26. Education and culture	Management and maintenance of educational institution and operation (26.1-26.4)	Maintain educational institution as required by the Govt. (26.1)		√			Lack of Infrastructure, manpower and logistics. Should be done Education & cultural section.	1. Steps for registration are being taken. 2. (i) Office Assist. Cum Computer operator - 1 (ii) MLSS - 1	1. All registered educational institutions which are nationalized are transferred to the Govt. 2. New quality educational institutions be taken up by the CC. and properly managed.
		Manage any other educational institutions for promotion of education with prior approval of the Govt. (26.1)				√	Steps for registration are being taken. Should be done by Education & cultural section.	Undo	Undo

Function (1)	Function (2)	Detail Activity	Level of Performance				Reason for "Moderate", "Low" or "None" performance	Present Status	5 Year Action Plan
			H	M	L	No			
		Educational institutions maintained by the corporation shall conform to such standard as prescribed (26.2)			√		Being maintained very recently. Should be done by Education & cultural section.	Undo	Undo
		Levy such fees for use of educational institutions as prescribed (26.3)		√			Being maintained as per Govt. rules.	Undo	Undo
		Give financial aid to private educational institution within the city with prior approval of the Govt. (26.4)		√			Being done pending Govt. approval.	Undo	Undo
	Compulsory education (26.5)	Enforce compulsory education in the city (26.5)		√			Started 3 satellite primary school.	3 satellite primary schools	3 satellite schools for the unions included in RpCC 3 teachers per school Make sure involvement of community to conduct class Propose regulations for operation of school School furniture
		Ensure that every child of school going age in the city attends school recognized by the corp. (26.5)			√		Started 3 satellite primary school.	2 officials for monitoring	Increase number of staff to monitor
	General provisions about education (26.6)	Construct and maintain building to be used as hostels for students.(ka)				√	Absence of taking such projects.	No activity	No need

Function (1)	Function (2)	Detail Activity	Level of Performance				Reason for "Moderate", "Low" or "None" performance	Present Status	5 Year Action Plan
			H	M	L	No			
		Give scholarship to deserving and meritorious students (kha)		√			Not adequate. Shortage of fund	There is no scholarship now	Propose new scholarship system to promote better education
		Arrange training program to teachers (ga)		√			Jointly being done with education dept.	Trainings given to government school teachers There is no training for non-formal school teachers	Training given quarterly for all teachers (including non-forma) in RpCC
		Promote adult education (gha)				√	Absence of taking such scheme	No activity	There is no needs, but pilot activity could be done by RpCC
		Provide school books to orphans and poor students free of cost or at concessional rates (uma)				√	Govt. scheme covering the same.	Govt. provide books for poor students	Provide school uniform, meals, books to students of 10 RpCC schools
		Maintain sale centers for sale of books and stationeries (cha)				√	Such scheme has been taken	No center in RpCC	No need
		With prior approval of the Govt. (chaa) :					0		

Function (1)	Function (2)	Detail Activity	Level of Performance				Reason for "Moderate", "Low" or "None" performance	Present Status	5 Year Action Plan
			H	M	L	No			
		1) Promote and assist educational societies.		√			Being done but not in a systematic manner.	No activity	No need
		2) Survey and implement educational plans.				√	Absence of taking such scheme.	Survey conducted by Education officer Lack of surveyor No equipment	Install equipment for survey (2PC, printer, internet connection)
		3) Provide milk or meals to school children free or at cheaper cost.				√	Absence of taking such scheme. Budget provision should be made.	No meals for RpCC schools	Prepare plan for two meals for students.
		Adopt any other measures likely to promote cause of education (26.6) (ja)				√	Absence of taking such scheme.		
	Promotion of cultural activities (26.7)	Establish and maintain information centers for spread of education and community development (Ka)				√	Lack of awareness.	1. Office Assist. Cum Computer operator - 1	1. Education & cultural officer - 1 2. Librarian - 1 3. Cataloger - 1 4. Office asst. cum PC operator -1 5. MLSS - 1
		Provide and maintain radio and television set at public institutions and public places (kh)		√			Lack of awareness.	There was provision of radio at public institution There is no provision at present	Conduct assessment of needs of radio and TV Propose provision of radio or TV at public places especially rural areas newly expanded

Function (1)	Function (2)	Detail Activity	Level of Performance				Reason for "Moderate", "Low" or "None" performance	Present Status	5 Year Action Plan
			H	M	L	No			
		Establish museums and art galleries for exhibition of articles (Ga)		√			Need to be improved	There is no museum or gallery	Propose to establish museum or cultural center
		Establish and maintain public halls and community centers (Gha)		√			Lack of logistics	There no public hall and community center	Proposed to establish community centers for especially poor or middle class people (proposed by councilor)
		Celebrate independence day and other national holidays (Uma)	√				–	There is no own activity Organize functions with community	None
		Provide reception of distinguished visitors visiting the corporation (cha)		√			Lack of logistics	Conducted by CC Edu Section support logistics	
		Encourage use of national language (Chaa)				√	Lack of awareness.	Organize festival	
		Promote physical culture, encourage public games and sports, and organize rallies and tournaments (Ja)			√		Lack of awareness.	There is no activity There were competition of sports by PS, but no activity in CC	Organize sports competition

Function (1)	Function (2)	Detail Activity	Level of Performance				Reason for "Moderate", "Low" or "None" performance	Present Status	5 Year Action Plan
			H	M	L	No			
		Promote tour to cities (Jha)				√	Lack of awareness and logistics	There is no activity	Propose program of tour
		Preserve historical places (ea)			√		Lack of adequate fund	Historical places belong to national agencies	Establish coordination and collaboration to facilitate reserve historical places
		Provide and develop recreational facilities for the public (ta)				√	Absence of taking such schemes	No recreational facility	Propose specific plan to establish recreational facilities
		Adopt other measures to promote native culture (Tha)			√		Lack of adequate fund	No activity to promote native culture	Propose activity to promote native culture
	Establishment and maintenance of public libraries (26.8)	Establish and maintain general and movable public libraries (26.8)		√			Lack of logistics & lack of adequate fund	No budget	Propose estimation of establishment or reform of libraries
	Arrangement of fairs, shows and festivals (26.9)	With prior approval of Govt.-make arrangements necessary on the occasion of fairs, shows and public festivals			√		Lack of logistics & lack of adequate fund		

Function (1)	Function (2)	Detail Activity	Level of Performance				Reason for "Moderate", "Low" or "None" performance	Present Status	5 Year Action Plan	
			H	M	L	No				
		Levy fees on the persons attending such fairs (26.9)				√	Absence of imposing such fees			
SI-27. Social welfare	Social welfare activities (27)	Establish and maintain welfare homes, asylums, widow homes and other institutions for relief of the distressed (ka)				√	Lack of awareness and absence of drawing such scheme. Absence of opening social welfare sec.	No social welfare section. No such vehicle. Shortage of manpower.	A Separate Social welfare dept. opened with required manpower. A Vehicle is provided to carry dead bodies. A new social welfare dept. opened with required manpower.	
		Provide burial and burning of dead bodies of paupers at the expenses of the corp. (khan)		√			Lack of vehicles and manpower.	No car for this function	1 car for carrying dead body	
		Adopt measures for prevention of beggary, prostitution, gambling, taking of injurious drugs, consumption of alcoholic liqueur, Juvenile delinquency and other social evils (ga)					√	Absence of manpower and opening of separate social welfare sec.	Home affair ministry take care the issue of prostitution and gambling There is no prostitution and gambling	City policy is necessary
		Organize social service volunteers (gha)					√	Absence of manpower and opening of separate social welfare sec.	No activities Form people if emergency case occurs	Make plan for firefighting and other earthquake Provide training
		Adopt measures for promotion of the welfare of women. Children and people of backward classes (cha)					√	Absence of manpower and opening of separate social welfare sec.	UPPRP is implemented	Need to secure budget to implement social work specially for slum area after UPPRP 17 Community Organizer (CO) should be proposed to be assigned

Function (1)	Function (2)	Detail Activity	Level of Performance				Reason for "Moderate", "Low" or "None" performance	Present Status	5 Year Action Plan
			H	M	L	No			
		Adopt any other measures for promotion of social welfare (chaa) (27)				√	Absence of manpower and opening of separate social welfare sec.	There is no activity	Propose loan program for poor people Establish management structure in CC Plan for social welfare for disable people and aged people
SI-28. Development	Preparation and implementation of development plans (28.1)	Prepare and implement development plans for specified period with prior approval of the Govt.		√			Absence of adequate fund in the budget	<ul style="list-style-type: none"> • Shortage of fund. • Being done through UPPRP project. • Scheme under process. 	Development plans prepared and implemented. Appropriate community development projects undertaken and implemented. Commercial scheme undertaken and implemented. New PDP prepared for CC including new jurisdiction
		Provide specified function in such plans [28.1(a)]				√	Not yet provided	Specific functions are provided in PDP	Implement PDP after completion of master plan
		Collection of finance for such plan, it's implementation and supervision [28.1(b)]		√			Absence of adequate fund	There is no fund for PDP implementation	Some part of PDP is implemented by the fund of ICGP, MGSP (WB) and Solar project (ADB) Urban health care project by ADB is implemented
		Govt. may direct to expend from income of any specified item of the corp. partly or fully to implement any development scheme [28.1(c)]		√			As desired by the Govt.	No coordination between RpCC and national agencies	Establish coordination and collaboration between RpCC and national agencies
	Community development plan (28.2)	Prepare and implement community development projects in the prescribed manner (28.2)		√			Being implemented through UPPRP project.	There are Social Development Plan prepared by CBO, but no implementation	Reactivate CBO, and implement Social Development Plan prepared by CBO. Establish institutional structure to link between SDP and plan of RpCC

Function (1)	Function (2)	Detail Activity	Level of Performance				Reason for "Moderate", "Low" or "None" performance	Present Status	5 Year Action Plan
			H	M	L	No			
	Commercial schemes (28.3)	Draw up and implement schemes for under taking commercial and business enterprise in the presided manner with prior approval of the Govt.		√			Scheme under process. There are old markets There are plan to establish modern market	Prepare scheme for market development	