No.

THE STUDY FOR
SUSTAINABLE RURAL WATER SUPPLY SYSTEM
IN THE SOUTHERN KHATLON OBLAST
IN
THE REPUBLIC OF TAJIKISTAN

FINAL REPORT

SUPPORTING REPORT

APRIL 2009

JAPAN INTERNATIONAL COOPERATION AGENCY

EARTH SYSTEM SCIENCE CO., LTD.
JAPAN TECHNO CO., LTD.

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1 CHAPTER 3 CURRENT SITUATION AND DEVELOPMENT ISSUES ON THE VAKHSH CONDUITS

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Attached Table 3.1 Pressure and Head of Junctions in the Hydraulic Model

continued(1/4)

Junction ID	Elevation	Actual Demand	Head	Pressure	Remark
	m	LPS	m	m	
A01	439	0.00	443.07	4.07	
A02	429	0.00	439.45	10.45	
A03	426	0.00	436.50	10.50	
A04(valve)	424	0.00	434.64	10.64	
AB04	423	0.66	435.15	12.15	
B01	417	0.00	433.79	16.79	
B02	417	0.00	433.75	16.75	
B03	414	0.00	433.63	19.63	
B04	410	0.00	433.32	23.32	
B05	402	0.00	430.05	28.05	
B06	403	0.00	430.03	27.03	
B07	401	0.00	429.45	28.45	
B08	408	0.00	427.64	19.64	
B09	402	0.00	427.61	25.61	
B10	406	0.00	427.54	21.54	
B11	397	0.00	427.25	30.25	
B12	400	0.00	424.24	24.24	
B13	394	0.00	423.57	29.57	
B14	392	0.00	419.41	27.41	
B15	390	0.00	415.72	25.72	
B16	381	0.00	411.83	30.83	
B18	387	0.00	403.38	16.38	
B19	384	0.00	403.10	19.10	
B20	391	0.00	403.03	12.03	
B21	389	0.00	402.99	13.99	
B22	386	0.00	402.57	16.57	
B24	364	0.00	383.32	19.32	
B25	364	0.00	382.19	18.19	
B26	364	0.00	382.04	18.04	
B27	364	0.00	382.03	18.03	
B28V	366	0.00	381.99	15.99	
BB01	386	0.00	411.83	25.83	
BB06	384	0.03	408.07	24.07	
BB10	404	1.17	429.38	25.38	
BB11	397	0.69	427.18	30.18	
BB12	390	1.62	419.33	29.33	
BB13	402	0.93	427.12	25.12	
BB14	395	2.32	423.84	28.84	
BB19	400	1.22	427.38	27.38	
BB20	389	0.00	393.00	4.00	
BB21	388	0.36	403.38	15.38	
BB22	382	0.08	411.83	29.83	
BR02	369	2.00	382.96	13.96	
BR03	367	2.77	383.26	16.26	
BR12	372	2.00	382.79	10.79	
BR13	369	0.00	383.32	14.32	
BR14	369	0.00	383.32	14.32	
BR23	363	0.00	383.32	20.32	
BR25	369	2.45	383.12	14.12	
BR28	370	7.17	383.01	13.01	
BR35	367	2.82	383.31	16.31	
BR36	367	5.23	378.16	11.16	
BR39	367	0.00	383.32	16.32	
BV11	410	1.09	433.05	23.05	
BV12	394	0.36	423.24	29.24	
BV14	390	0.00	415.72	25.72	
C01	421	0.00	433.56	12.56	
C02	427	0.00	433.51	6.51	

Attached Table 3.1 Pressure and Head of Junctions in the Hydraulic Model

continued(2/4)

Junction ID	Elevation	Actual Demand	Head	Pressure	Remark
	m	LPS	m	m	
C03	414	0.00	433.07	19.07	
C04	421	0.00	431.48	10.48	
C05	417	0.00	430.99	13.99	
C06	425	0.00	430.37	5.37	
C07	420	0.00	428.24	8.24	
C08	419	0.00	426.12	7.12	
C09	416	0.00	425.75	9.75	
C10	413	0.00	425.56	12.56	
C11	410	0.00	424.34	14.34	
C12	415	0.00	424.20	9.20	
C13(valve)	420	0.00	424.00	4.00	
C14	418	0.00	424.00	6.00	
C15	417	0.00	424.00	7.00	
C17	406	0.00	424.00	18.00	
C18	415	0.00	424.00	9.00	
CB02	415	0.57	423.99	8.99	
CB03	414	0.09	432.64	18.64	
CB05	422	0.69	425.40	3.40	
CB07	420	0.00	420.00	0.00	
CB08	415	0.87	426.02	11.02	
CB09	409	0.91	424.15	15.15	
CB15	410	0.06	423.78	13.78	
CB16	410	0.03	424.32	14.32	
CB17	417	0.03	430.98	13.98	
CB18	418	0.69	427.48	9.48	
CB23	411	0.51	425.45	14.45	
CB24	413	0.00	424.00	11.00	
CB25	425	0.00	429.00	4.00	
CV13	421	0.18	430.53	9.53	
CV15	422	0.00	433.51	11.51	
D01(valve)	359	0.00	374.55	15.55	
D02	366	0.00	372.82	6.82	
D03	362	0.00	366.79	4.79	
D04	363	0.00	366.79	3.79	
D05	356	0.00	364.28	8.28	
D06	355	0.00	357.41	2.41	
D07	355	0.00	357.26	2.26	
D08	355	0.00	355.01	0.01	
D09	353	0.00	354.53	1.53	
D10	350	0.00	353.54	3.54	
D11	341	0.00	351.84	10.84	
DJ01	355	0.88	357.26	2.26	
DJ02	355	0.00	355.01	0.01	
DJ03	362	0.44	366.79	4.79	
DJ04	363	0.52	366.78	3.78	
DJ05	350	1.43	353.53	3.53	
DJ06	355	0.52	357.40	2.40	
DJ07	353	0.00	354.53	1.53	
DJ09	341	0.00	351.84	10.84	
DJ11	355	0.00	357.41	2.41	
DR24	366	2.00	372.70	6.70	
E01	373	0.00	379.88	6.88	
E02	375	0.00	379.39	4.39	

Attached Table 3.1 Pressure and Head of Junctions in the Hydraulic Model

continued(3/4)

Junction ID	Elevation	Actual Demand	Head	Pressure	Remark
	m	LPS	m	m	
E03	375	0.00	378.95	3.95	
E04	378	0.00	378.84	0.84	
E05	378	0.00	378.84	0.84	
E06	372	0.00	378.83	6.83	
E07	369	0.00	378.82	9.82	
E08	368	0.00	378.82	10.82	
E09	384	0.00	378.82	-5.18	
E10	381	0.00	378.81	-2.19	
E11(valve)	381	0.00	378.81	-2.19	
E12	378	0.00	378.81	0.81	
E13	379	0.00	378.81	-0.19	
ER01	384	0.00	378.82	-	out of operation
ER04	375	2.16	378.66	3.66	
ER05	386	0.00	378.81	-	There's no flow.
ER06	370	0.00	378.81	8.81	
ER10	372	1.86	378.95	6.95	
ER11	367	5.81	377.17	10.17	
ER16	369	0.46	378.82	9.82	
ER18	368	2.58	378.78	10.78	
ER27	369	0.00	372.50	3.50	
ER29	369	6.85	378.72	9.72	
ER30	370	0.00	378.81	8.81	
ER32	372	1.39	378.66	6.66	
ER33	371	1.19	376.36	5.36	
ER37	378	0.00	378.81	0.81	There's no flow.
ER38	378	0.00	378.81	0.81	There's no flow.
F01	376	0.00	-	-	There's no flow.
F02	377	0.00	-	-	There's no flow.
F03	377	0.00	-	-	There's no flow.
F04	385	0.00	-	-	There's no flow.
F05P	382	0.00	-	-	There's no flow.
FR07	385	0.00	-	-	There's no flow.
FR15	387	0.00	-	-	There's no flow.
FR19	377	0.00	-	-	There's no flow.
FR26	385	0.00	-	-	There's no flow.
FR34	375	0.00	-	-	There's no flow.
G01	383	0.00	-	-	There's no flow.
G02	390	0.00	-	-	There's no flow.
G03	388	0.00	-	-	There's no flow.
G04	389	0.00	-	-	There's no flow.
G05	390	0.00	-	-	There's no flow.
G06	384	0.00	-	-	There's no flow.
G07	390	0.00	-	-	There's no flow.
GQ01	390	0.00	-	-	There's no flow.
GQ02	390	0.00	-	-	There's no flow.
GQ03	384	0.00	-	-	There's no flow.
GQ04	390	0.00	-	-	There's no flow.
GQ05	371	0.00	-	-	There's no flow.
GQ06	383	0.00	-	-	There's no flow.
GQ07	390	0.00	-	-	There's no flow.
GR09	383	0.00	-	-	There's no flow.
H01	348	0.00	362.79	14.79	
H02	360	0.00	361.60	1.60	

Attached Table 3.1 Pressure and Head of Junctions in the Hydraulic Model

continued(4/4)

Junction ID	Elevation	Actual Demand	Head	Pressure	Remark
	m	LPS	m	m	
HJ08	348	0.00	362.79	14.79	
HJ10	348	0.00	362.79	14.79	
HJ12	360	0.00	361.60	1.60	
HJ13	358	0.00	361.00	3.00	
I01	371	0.00	-	-	There's no flow.
I02	373	0.00	-	-	There's no flow.
I03	386.3	0.00	-	-	There's no flow.
SB (Reservoir)	443.5	-609.51	443.50	0.00	outflow
TB07 (Tank)	415	159.72	419.00	4.00	
TB20 (Tank)	389	154.91	393.00	4.00	
TB25 (Tank)	425	37.51	429.00	4.00	
TJ07 (Tank)	353	0.00	356.00	3.00	out of operation
TJ09 (Tank)	341	90.32	345.00	4.00	
TJ12 (Tank)	360	0.00	363.00	3.00	out of operation
TJ13 (Tank)	358	9.71	361.00	3.00	
TQ01 (Tank)	390	0.00	394.00	4.00	There is no flow
TQ04 (Tank)	390	0.00	394.00	4.00	out of operation
TQ05 (Tank)	371	0.00	374.00	3.00	out of operation
TR05 (Tank)	386	0.00	389.00	3.00	There is no flow
TR06 (Tank)	370	0.00	372.00	2.00	out of operation
TR08 (Tank)	382	0.00	385.00	3.00	There is no flow
TR19 (Tank)	377	0.00	380.00	3.00	out of operation
TR26 (Tank)	385	0.00	388.00	3.00	out of operation
TR27 (Tank)	369	89.64	372.50	3.50	
TR31 (Tank)	364	0.00	368.00	4.00	out of operation
TV15 (Tank)	422	0.00	426.00	4.00	out of operation

Note: Base demand is the hourly peak demand of WSS

Source: own study

Attached Table 3.2 Pipe Inner Flow of Vakhsh Conduits Hydraulic Model on the Condition that the Inflow to Tanks is not Regulated

contiuned (1/4)

Link	Start Nodes	End Nodes	Length (m)	Inside Diameter (m)	Roughness	Flow (liter/second)	Unit Headloss (m/km)
ASBA1	SB	A01	1229	1200	100	609.51	0.35
A12	A01	A02	5223	1192	70	609.51	0.69
A23	A02	A03	1776	996	70	609.51	1.66
A34	A03	A04(valve)	1116	996	70	608.85	1.66
A3B04	A03	AB04	514	68	69	0.66	2.62
B1011	B10	B11	225	900	70	403.50	1.27
B10B19	B10	BB19	157	105	69	1.22	0.99
B1112	B11	B12	2388	900	70	401.88	1.26
B11B11	B11	BB11	1171	150	69	0.69	0.06
B11B13	B11	BB13	1249	150	69	0.93	0.11
B1213	B12	B13	540	900	70	399.56	1.25
B12B14	B12	BB14	704	150	69	2.32	0.57
B12main	B01	B02	32	900	70	406.98	1.29
B1314	B13	B14	905	700	67	399.20	4.59
B13V12	B13	BV12	49	40.8	87	0.36	6.70
B1415	B14	B15	810	700	67	397.58	4.56
B14B12	B14	BB12	420	150	87	1.62	0.19
B1516	B15	B16	852	700	67	397.58	4.56
B15V14	B15	BV14	1859	105	55	0.00	0.00
B16B01	B16	BB01	213	81	69	0.00	0.00
B16B06	B16	BB06	825	700	67	397.50	4.56
B16B22	B16	BB22	85	100	55	0.08	0.01
B1819	B18	B19	156	700	67	242.20	1.82
B18B20	B18	**BB20**	70	198.2	110	**154.91**	148.32
B18B21	B18	BB21	299	313	69	0.36	0.00
B1920	B19	B20	36	700	67	242.20	1.82
B2021	B20	B21	22	700	67	242.20	1.82
B2122	B21	B22	230	700	67	242.20	1.82
B2224	B22	B24	10574	700	67	242.20	1.82
B23main	B02	B03	94	900	70	406.98	1.29
B2425	B24	B25	758	700	67	217.76	1.49
B24R02	B24	BR02	217	124	55	2.00	1.67
B24R03	B24	BR03	217	200	55	2.77	0.30
B24R12	B24	BR12	217	105	69	2.00	2.46
B24R13	B24	BR13	217	105	37	0.00	0.00
B24R14	B24	BR14	217	105	44	0.00	0.00
B24R23	B24	BR23	217	96.8	110	0.00	0.00
B24R25	B24	BR25	217	150	55	2.45	0.96
B24R28	B24	BR28	223	208	55	7.17	1.43
B24R35	B24	BR35	217	198.2	110	2.82	0.09
B24R36	B24	BR36	217	95	69	5.23	23.80
B24R39	B24	BR39	218	200	69	0.00	0.00
B2526	B25	B26P	102	700	67	217.76	1.49
B2627	B26P	B27	8	700	67	217.76	1.50
B2728	B27	B28(valve)	22	700	67	217.76	1.50
B34	B03	B04	238	900	70	405.89	1.28
B3V11	B03	BV11	568	100	69	1.09	1.02
B45	B04	B05	2545	900	70	405.89	1.28
B56	B05	B06	14	900	70	405.89	1.28
B67	B06	B07	455	900	70	405.89	1.28
B78	B07	B08	1417	900	70	404.72	1.28
B7B10	B07	BB10	442	132	98	1.17	0.16
B89	B08	B09	28	900	70	404.72	1.28
B910	B09	B10	54	900	70	404.72	1.28
BA4B1	A04(valve)	B01	1083	996	70	406.98	0.79
BB0618	BB06	B18	1030	700	67	397.47	4.56
C1011	C10	C11	765	614	67	160.38	1.61
C10B23	C10	CB23	159	81	69	0.51	0.69

Attached Table 3.2 Pipe Inner Flow of Vakhsh Conduits Hydraulic Model on the Condition that the Inflow to Tanks is not Regulated

contiuned (2/4)

Link	Start Nodes	End Nodes	Length (m)	Inside Diameter (m)	Roughness	Flow (liter/second)	Unit Headloss (m/km)
C1112	C11	C12	86	614	67	160.35	1.61
C11B16	C11	CB16	23	24.1	87	0.03	0.87
C12	C01	C02	21	614	67	201.87	2.46
C1213	C12	C13(valve)	120	614	67	160.29	1.60
C12B15	C12	CB15	108	22.1	98	0.06	3.85
C1314	C13(valve)	C14	584	614	67	0.00	0.00
C13B02	C13(valve)	CB02	98	105	87	0.57	0.16
C13B07	C13(valve)	**CB07**	153	313	87	**159.72**	26.17
C1415	C14	C15	384	600	67	0.00	0.00
C15CB24	C15	CB24	40	600	67	0.00	0.00
C1718	C17	C18	1044	600	67	0.00	0.00
C23	C02	C03	180	614	67	201.87	2.46
C2V15	C02	**CV15**	57	234	55	**0.00**	0.00
C34	C03	C04	646	614	67	201.78	2.46
C3B03	C03	CB03	84	27.9	69	0.09	5.03
C45	C04	C05	198	614	67	201.60	2.45
C4V13	C04	CV13	442	36.2	110	0.18	2.15
C56	C05	C06	254	614	67	201.57	2.45
C5B17	C05	CB17	71	36.7	87	0.03	0.11
C67	C06	C07	1269	614	67	164.05	1.68
C6B25	C06	**CB25**	68	208	69	**37.51**	20.12
C78	C07	C08	1291	614	67	162.49	1.65
C7B08	C07	CB08	1189	81	69	0.87	1.87
C7B18	C07	CB18	626	81	69	0.69	1.22
C89	C08	C09	224	614	67	161.58	1.63
C8B09	C08	CB09	968	81	69	0.91	2.03
C910	C09	C10	116	614	67	160.89	1.62
C9B05	C09	CB05	1034	105	69	0.69	0.34
CA5C1	A04(valve)	C01	440	614	67	201.87	2.46
CB2417	CB24	C17	6058	600	67	0.00	0.00
D1011	D10	D11	1293	514	67	90.32	1.32
D10J05	D10	DJ05	68	150	69	1.43	0.23
D11J09	D11	**DJ09**	1	514	67	**90.32**	1.34
D12	D01(valve)	D02	978	514	67	105.82	1.77
D23	D02	D03	3528	514	67	103.82	1.71
D2R24	D02	DR24	49	105	69	2.00	2.46
D34	D03	D04	3	514	67	103.38	1.69
D3J03	D03	DJ03	143	156	69	0.44	0.02
D45	D04	D05	1493	514	67	102.86	1.68
D4J04	D04	DJ04	131	150	69	0.52	0.04
D56	D05	D06	4926	514	67	93.15	1.40
D67	D06	D07	87	514	60	92.63	1.70
D6J02	D08	DJ02	59	105	69	0.00	0.00
D6J06	D06	DJ06	28	105	55	0.52	0.31
D6J11	D06	DJ11	28	156	69	0.00	0.00
D78	D07	D08	1655	514	67	91.75	1.36
D7J01	D07	DJ01	51	147.6	110	0.88	0.04
D89	D08	D09	355	514	67	91.75	1.36
D910	D09	D10	728	514	67	91.75	1.36
D9J07	D09	**DJ07**	171	208	69	**0.00**	0.00
DB28V3	B28(valve)	D01(valve)	4212	514	67	105.82	1.77
E1011	E10	E11(valve)	5	514	67	3.55	0.01

Attached Table 3.2 Pipe Inner Flow of Vakhsh Conduits Hydraulic Model on the Condition that the Inflow to Tanks is not Regulated

continued(3/4)

Link	Start Nodes	End Nodes	Length (m)	Inside Diameter (m)	Roughness	Flow (liter/second)	Unit Headloss (m/km)
E1112	E11(valve)	E12	882	514	67	3.55	0.00
E12	E01	E02	274	514	67	106.13	1.78
E1213	E12	E13	167	514	67	0.00	0.00
E12R04	E12	ER04	223	154	55	2.16	0.67
E12R32	E12	ER32	223	100	110	1.39	0.67
E12R37	E12	ER37	223	154	55	0.00	0.00
E12R38	E12	ER38	223	68	55	0.00	0.00
E13R05	E13	**ER05**	2237	514	67	**0.00**	0.00
E13R06	E13	**ER06**	91	131	55	**0.00**	0.00
E13R30	E13	ER30	91	105	69	0.00	0.00
E1R11	E01	ER11	690	156	55	5.81	3.93
E23	E02	E03	246	514	67	106.13	1.78
E34	E03	E04	2393	514	67	14.63	0.05
E3R10	E03	ER10	13	147.6	110	1.86	0.17
E3R27	E03	**ER27**	13	150	69	**89.64**	496.34
E45	E04	E05	23	514	67	14.63	0.05
E56	E05	E06	382	514	67	14.63	0.05
E67	E06	E07	180	514	67	13.44	0.04
E6R33	E06	ER33	2618	105	69	1.19	0.94
E78	E07	E08	16	514	67	6.59	0.01
E7R29	E07	ER29	29	156	69	6.85	3.50
E89	E08	E09	945	514	67	3.55	0.00
E8R16	E08	ER16	7	105	55	0.46	0.25
E8R18	E08	ER18	6	105	55	2.58	6.02
E910	E09	E10	403	514	67	3.55	0.00
E9R01	E09	ER01	589	208	69	0.00	0.00
EB281	B28(valve)	E01	1079	514	67	111.94	1.96
F12	F01	F02	1792	514	67	0.00	0.00
F23	F02	F03	191	514	67	0.00	0.00
F2R19	F02	**FR19**	264	208	69	**0.00**	0.00
F34	F03	F04	6448	514	67	0.00	0.00
F3R15	F03	FR15	409	156	69	0.00	0.00
F45	F04	F05P	2755	514	67	0.00	0.00
F4R07	F04	FR07	4	105	55	0.00	0.00
F4R26	F04	**FR26**	4	105	69	**0.00**	0.00
FD11	D01(valve)	F01	7740	514	67	0.00	0.00
FR19R34	FR19	FR34	947	100	69	0.00	0.00
G01	F05	G01	543	500	67	0.00	0.00
G12	G01	G02	2660	500	67	0.00	0.00
G1Q06	G01	GQ06	123	100	69	0.00	0.00
G1R09	G01	GR09	123	96.8	110	0.00	0.00
G23	G02	G03	5781	500	67	0.00	0.00
G2Q02	G02	GQ02	8	101.6	110	0.00	0.00
G2Q07	G02	GQ07	8	96.8	110	0.00	0.00
G34	G03	G04	3000	514	67	0.00	0.00
G3Q05	G03	**GQ05**	3722	208	69	**0.00**	0.00
G45	G04	G05	3215	414	67	0.00	0.00
G56	G05	G06	188	313	55	0.00	0.00
G5Q01	G05	**GQ01RC**	50	262	44	**0.00**	0.00
G67	G06	G07	1113	313	55	0.00	0.00
G6Q03	G06	GQ03	35	96.8	110	0.00	0.00
G7Q04	G07	**GQ04**	50	207.8	110	**0.00**	0.00

Attached Table 3.2 Pipe Inner Flow of Vakhsh Conduits Hydraulic Model on the Condition that the Inflow to Tanks is not Regulated

continued (4/4)

Link	Start Nodes	End Nodes	Length (m)	Inside Diameter (m)	Roughness	Flow (liter/second)	Unit Headloss (m/km)
H12	H01	H02	3492	313	55	9.71	0.34
H1J08	H01	HJ08	289	208	69	0.00	0.00
H1J10	H01	HJ10	289	105	44	0.00	0.00
H2J12	H02	**HJ12**	1257	208	69	**0.00**	0.00
H2J13	H02	**HJ13**	1747	313	55	**9.71**	0.34
HD121	D05	H01	4348	313	55	9.71	0.34
I12	I01	I02	299	313	76	0.00	0.00
I23	I02	I03	2626	313	69	0.00	0.00
I3F5	I03	F05	2193	313	76	0.00	0.00
ID111	D11	I01	3514	313	76	0.00	0.00

Uzun (R31) & Kalinin (R08) Pumping Stations are not considered in this modeling because they are currently not supplied with water from the Vakhsh Conduits

Attached Table 3.3. Base Demands in 2027 on the Vakhsh Conduits Hydraulic Model and Output of the Analysis

ID	Elevation	Base Demand	Possible Flow Rate	Head	Pressure	ID	Elevation	Base Demand	Possible Flow Rate	Head	Pressure
	m	LPS	LPS	m	m		m	LPS	LPS	m	m
SB	443.5		-272.18	443.50	0.00	R01	385	2.15	3.76	402.14	17.14
B04	386	0.07	0.12	434.66	48.66	R04	383	1.92	3.36	400.71	17.71
B01	415	0.22	0.39	440.98	25.98	R05	372	0.81	1.42	416.96	44.96
B06	414	0.03	0.05	441.22	27.22	R06	367	2.77	4.85	415.27	48.27
B10	423	0.25	0.44	441.30	18.30	R09	372	0.87	1.52	418.35	46.35
B11	422	0.27	0.47	440.88	18.88	R10	369	0.47	0.82	418.35	49.35
B12	384	0.01	0.02	433.55	49.55	R11	369	1.53	2.68	416.56	47.56
B13	415	11.4	19.96	440.91	25.91	R16	387	1.68	2.94	404.2	17.2
B14	415	0.34	0.6	440.06	25.06	R18	369	0.39	0.68	415.66	46.66
B19	409	0.39	0.68	439.92	30.92	R27	368	1.12	1.96	415.64	47.64
B20	404	0.51	0.89	439.89	35.89	R29	377	2.35	4.11	404.39	27.39
B21	397	0.27	0.47	439.24	42.24	R30	363	0.57	1	418.58	55.58
B22	390	0.71	1.24	436.87	46.87	R32	366	0.87	1.52	408.72	42.72
R02	402	0.41	0.72	439.19	37.19	R33	369	1.06	1.86	418.55	49.55
R03	395	1.01	1.77	438.12	43.12	R37	385	2.11	3.69	402.15	17.15
R12	410	0.02	0.04	440.85	30.85	R38	369	0.81	1.42	416.96	47.96
R13	410	0.01	0.02	441.00	31.00	R07	370	3.41	5.97	418.45	48.45
R14	417	0.01	0.02	441.27	24.27	R15	369	3.26	5.71	415.6	46.6
R23	418	0.27	0.47	440.78	22.78	R19	370	0.74	1.3	414.94	44.94
R25	400	0.53	0.93	439.26	39.26	R26	372	1.2	2.1	414.74	42.74
R28	389	6.01	10.52	432.09	43.09	R34	371	0.74	1.3	412.86	41.86
R35	388	0.14	0.25	432.16	44.16	Q01	375	1.12	1.96	401.54	26.54
R36	382	0.06	0.11	434.67	52.67	Q02	367	1.23	2.15	418.66	51.66
R39	411	0.2	0.35	440.99	29.99	Q03	367	2.49	4.36	414.99	47.99
V11	413	3.75	6.57	440.99	27.99	Q04	378	1.88	3.29	414.73	36.73
V12	425	5.69	9.96	441.13	16.13	Q05	378	1.88	3.29	397.59	19.59
V14	355	0.76	1.33	404.75	49.75	Q06	367	0.5	0.88	418.67	51.67
B02	355	0.3	0.53	404.44	49.44	Q07	410	0.47	0.82	440.86	30.86
B03	362	0.38	0.67	406.74	44.74	J08	394	0.14	0.25	438	44
B05	363	0.45	0.79	406.74	43.74	J10	421	0.07	0.12	440.83	19.83
B07	350	1.24	2.17	404.24	54.24	J12	390	0.17	0.3	435.62	45.62
B08	355	0.45	0.79	404.76	49.76	J13	422	10.38	18.18	441.14	19.14
B09	353	1.27	2.22	404.37	51.37						
B15	348	2.82	4.94	399.54	51.54						
B16	341	8.09	14.17	404.10	63.10						
B17	348	0.58	1.02	399.21	51.21						
B18	355	1.15	2.01	404.77	49.77						
B23	360	2.55	4.47	396.48	36.48						
B24	358	6.08	10.65	396.26	38.26						
B25	390	10.24	17.93	395.60	5.60						
V13	390	0.74	1.3	400.13	10.13						
V15	384	0.84	1.47	395.64	11.64						
J01	390	7.05	12.34	395.02	5.02						
J02	371	5.27	9.23	392.54	21.54						
J03	383	1.03	1.8	400.89	17.89						
J04	390	1.17	2.05	400.12	10.12						
J05	384	1.68	2.94	415.28	31.28						
J06	369	0.87	1.52	418.46	49.46						
J07	367	1.2	2.1	418.64	51.64						
J09	375	1.88	3.29	414.73	39.73						
J11	386	12.41	21.73	414.83	28.83						
R24	370	1.2	2.1	414.91	44.91						

2 CHAPTER4 EXISTING CONDITION AND DEVELOPMENT ISSUES OF RURAL WATER SUPPLY SYSTEM

Appendix-1 Inventory Survey Sheet
Appendix-2 Rural Water Supply System Survey Sheet
Appendix-3 Data Base of Rural Water Supply System
（1） Attached Tables
（2） Attached Figures

2 CHAPTER4 EXISTING CONDITION AND DEVELOPMENT ISSUES OF RURAL WATER SUPPLY SYSTEM

Appendix-1 Inventory Survey Sheet

Sheet No. 1 A. Water Supply System Date:

A-1 Name of Ryon	
A-2 Name of Jamoat	
A-3 Name of Village	
Name of Responder	
Coordinates (center of village)	N, E, EL. m
A-4 Name of Water Supply System	
A-5 Year of construction	
A-6 Owner of water supply system	
A-7 Name of operator	
A-8 Water source	1-Vakhsh Conduit, 2-Groundwater, 3-Irrigation canal 4-Other (specify:)
A-9 Operating condition	1-Working, 2-Out of working
A-9-1 If working	1-1 Throughout the year 1-2 Seasonal (from to , months) If seasonal, what is the reason?
A-9-1-1 Average water supply	1-1 Average water supply m^3/day 1-2 Maximum daily water supply m^3/day 1-3 Maximum hourly water supply m^3/hour
A-9-1-2 Service hours	From to , from to . (hours/day)
A-9-1-3 Service area and Service Population (name of village or Sokhfoz/ Kolvoz, and population served)	Total population served: _____ Breakdown: Village:_____ : _____ persons Village:_____ : _____ persons Village:_____ : _____ persons Village:_____ : _____ persons Village:_____ : _____ persons Village:_____ : _____ persons Village:_____ : _____ persons Village:_____ : _____ persons
A-9-2 If out of working	
A-9-2 -1 Reason of out of working	
A-9-2 -2 Date (Month/Year) of stopping	

A-10 History of rehabilitation or repairing of facilities	Year and contents of rehabilitation of repairing 1- 2- 3-

Sheet No. 2 B. Water Source (Vakhsh Conduits Groundwater Irrigation canal)

B-1 Number of well(s)	Well(s)		
B-2 Coordinates of well(s)	N, E, EL. m N, E, EL. m N, E, EL. m		
B-3 Depth of well			
B-4 Capacity (Yield) of well*	m^3/hour or m^3/day		
B-5 Maximum yield of well*	m^3/hour or m^3/day		
B-6 Water Level	Static m BGL, Dynamic m BGL		
B-7 Casing/Screen pipe			
B-7-1 Diameter	mm or inches		
B-7-2 Material	1-Steel, 2-Stailess steel, 3-PVC, 4-Other (specify)		
B-7-3 Position of screen	From m to m BGL		
B-8 Pump			
B-8-1 Type	1-Submersible, 2- Vertical Turbine, 3-Other (specify)		
B-8-2 Position	m BGL		
B-8-3 Rated motor output			
B-8-4 Pump head	m		
B-8-5 Discharge of pump	m^3/min or m^3/hour		
B-8-6 Diameter and material of riser pipe	Diameter , Material		
B-8-7 Starting up method of pump	1-Direct on line, 2-Star delta		
B-8-8 Location of control panel	1-Indoor, 2-Outdor (3- splash-proof, 4-Not splash-proof)		
Others (mark, if installed)	Low water level warning, emergency stop for idle running, installation of air valve, check valve, sluice valve and compound gauge (in case of submersible pumps)		
B-9 Water Quality (to be measured by test paper and water quality tester)			
pH		Fe	
Temperature		F	
EC		As	
TDS		Cl	
Total Coli.		NO_3	
E. Coli			
B-10 Availability of alternative water source, if operation of water supply service is seasonal or service is stopping.	Type of water source 1-Vakhsh Conduit, 2-Groundwater, 3-Irrigation canal 4-Other (specify:) Fetching time per day: hours/day Times of fetching: times/day		

BGL: below ground level

*: result of pumping test

Sheet No. 3-1 Aqueduct, Transmission, Tank, Distribution, etc.

C Aqueduct (conduit from water source to a reservoir or distribution tank)	
C-1 Diameter of pipe	mm
C-2 Material of pipe	
C-3 Length of conduit	km
C-4 Condition of pipe	1- No problem 2- Deteriorated (1- totally 2- partially: specify) 3- Urgent rehabilitation is required 4- What is problems, please describe.
C-5 Valve	Type and number of valve Sluice valve, _____ locations Check valve, _____ locations Air valve, _____ locations Other _____, _____ locations
D Reservoir	
Coordinates	N, E, EL. m
D-1 Capacity	m^3
D-2 Material of reservoir	1- concrete, 2- steel, 3- other (specify,)
D-3 Water level	1- High water level: m 2- Low water level: m
D-4 Condition of reservoir	1- No problem 2- Deteriorated (1- totally 2- partially: specify) 3- Urgent rehabilitation is required 4- What is problems, please describe.

Sheet No. 3-2 Aqueduct, Transmission, Tank, Distribution, etc.

E Chlorination system	
E-1 Facility	1- installed, 2- not installed
E-2 Agent used for chlorination	
F Transmission line (water line from reservoir to distribution tank)	
F-1 Diameter of pipe	mm
F-2 Material of pipe	
F-3 Distance of water line	Km
F-4 Condition of pipe	1- No problem 2- Deteriorated (1- totally 2- partially: specify) 3- Urgent rehabilitation is required 4- What is problems, please describe.
F-5 Valve	Type and number of valve Sluice valve, _____ locations Air valve, _____ locations Other _____, _____locations
G Distribution Tank	
Coordinates	N, E, EL. m
G-1 Type	1- Elevated, 2-Ground, 3- Other (specify,)
G-2 Capacity	m^3
G-3 Material of tank	1- concrete, 2- steel, 3- other (specify,)
G-4 Condition of reservoir	1- No problem 2- Deteriorated (1- totally 2- partially: specify) 3- Urgent rehabilitation is required 4- What is problems, please describe.

Sheet No. 3-3 Aqueduct, Transmission, Tank, Distribution, etc.

H Distribution Main	
H-1 Diameter of pipe	mm
H-2 Material of pipe	
H-3 Total length of main	km
H-4 Condition of pipe	1- No problem 2- Deteriorated (1- totally 2- partially: specify) 3- Urgent rehabilitation is required 4- What is problems, please describe.
H-5 Valve	Type and number of valve Air valve, _____ locations Sluice valve, _____ locations Other valve _____, _____ locations
I Public tap	**taps**
I-1 Diameter of pipe	mm
I-2 Material of pipe	
I-3 Mean length of service line	km

Sheet No. 4 Operation and Maintenance System

J-1 Type of organization in charge for O&M	1- RWSA, 2- Water User Association, 3- Jamoat, 4- Village 5- Kolkhoz, 6- Sovkhoz, 7- Other (specify,)
J-2 Component of organization	
J-3 Water Tariff System	1-Flat Rate (Somoni/month) 2-Commodity Charge (Somoni/m^3) 3-Inverted Block Rate* (specify the tariff system)
J-4 Water tariff collection system	1-collector, 2- transferring, 3- free of charge, 4- other
J-5 Role of organizations for repairing and replacement of facilities (including expense distribution)	RWSA: Operator (selected in J-1):

Inverted Block Rate *:
For example, up to **L/cap./day, the tariff should be fixed * somoni/litter. If the water consumption exceeds ** L/cap./day, the unit cost for the excess volume should be raised progressively.

Sheet No. 5 Others

K-1. Would you tell me what problems you are most concerned about as the first and second priority for improvement of living conditions of your village/community?	**1st Priority** **2nd Priority**
K-2 What are the names of agricultural chemicals used in the area?	

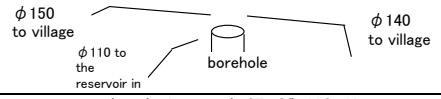
Sheet No. 6 Name and Quantity of Facilities to be rehabilitated or replaced

Name of Facility	Specification and quantity

Sheet No. 7 Schematic layout of water supply system

Attached Table 4.1 Rural Water Supply System Survey Sheet (K1 Lenin, Dushra, Azizov Sino)

Sites name：K1 Lenin, Dushra, Azizov Sino ○(rehabilitation only one system without Vodokana Visit day, time：11/30 10:30～

No.	Equipments	Replace or re-use	Fonction or breakdown	Bilder (country)	Manufacturing date	Conntenu of problems, expected cause of breakdown	Specifications
Borehole							☐picture
1	screen	re-use	fonction				
2	casing	re-use	fonction				
3	quality water						
4	submersible pump	installation	-				The pump was stolen, that's specs is 65m3/h-110mH.
5	riser pipe	installation	-				
6	dicharge rate						
7	pressure gage	installation	-				
8	air relief valve	installation	-				Half water is distributed by water tank trucks, another half of water is distributed by pipes. Three pump staions was connected by pipes and only one station works. This working pump station owned by Vodakanal supply water in the three systems. That means these systems was operated by Vodakanal.
9	gate valve	re-use	?				
10	check valve	re-use	?				
Reservoir							☐picture
11	structure	repaire	fonction				There are 3 reservoirs. The first one in the pump station is 25m3-3mH for distribution by water tank trucks. The second one reservoirs is in the site of school that is now constructing. The third one (20m3-14mH) is also at the another place in this area that isn't connected to another pipes.
12	pipes	installation	?				
13	water level gage	installation	-				
14	ligtning rod	no-need					
							There are 2 reservoirs 500m3 and 5 boreholes in the working station. But there're 2 boreholes working.
Control room, power line		installation					☐picture : There isn't control room.
15	pipes	installation	-				
16	flowmeter	no need	-				
17	pressure gage	installation	-				
18	safty relief valve	installation	-				
19	gate valve	installation	-				
20	check valve	installation	-				
21	water meter	installation	-				
22	transformer with fuse-breaker	replace	?				63kVA, 3phases, 6,000V/400V, there's no fences.
23	incoming panel (with watt-hour meter)	installation	-				
24	control panel of submersible pump	replace	breakdown				
25	electric wire or cable	replace	?				
26	fence	re-use					
Equipments of distribution							
27	pipes	repaire					
28	valves box	?					

Attached Table 4.2 Rural Water Supply System Survey Sheet (K2 Yangi Yul)

Sites name：K2 Yangi Yul ○ Visit day, time：11/29 15:05～

No.	Equipments	Replace or re-use	Fonction or breakdown	Bilder (country)	Manufacturing date	Conntenu of problems, expected cause of breakdown	Specifications
Borehole							□picture
1	screen	installation	breakdown				
2	casing	installation	fonction				
3	quality water						
4	submersible pump	replace	breakdown				The submersible pump was burned after drawing the sand from water. This pump was inside of borehole. 5.3m3/h-110mH, 5kW
5	riser pipe	replace	?				Steel φ100, inside of borehole 76mm
6	dicharge rate						
7	pressure gage	installation	-				
8	air relief valve	installation	-				
9	gate valve	installation	-				
10	check valve	installation	-				
Reservoir							□picture
11	structure	repaire	fonction				25m3-16mH, made of steel
12	pipes	repaire	fonction				distribution main : steel, diameter 110mm
13	water level gage	installation	-				
14	ligtning rod	installation	-				
Control room, power line		repaire					□picture
15	pipes	installation	-				
16	flowmeter	no need	-				
17	pressure gage	installation	-				
18	safty relief valve	installation	-				
19	gate valve	installation	-				
20	check valve	installation	-				
21	water meter	installation	-				
22	transformer with fuse-breaker	no need	-				Receiving power line with 400V 3phases-4lines
23	incoming panel (with watt-hour meter)	installation	-				
24	control panel of submersible pump	replace	?				400V, 69A, 50Hz. Ammeter 80~100A max made in USSR
25	electric wire or cable	replace	?				
26	fence	re-use					
Equipments of distribution							
27	pipes	repaire					They replaced the distribution pipes length 1~2km. Total length is 4.5km. There is reakage of water from distribution pipes of another
28	valves box	?					
29	air relief valve	?					
30	sand ejection valve	?					
31	public taps	?					□picture
32	water meter	installation					
33	gate valve	installation					
Others							

2 CHAPTER4 EXISTING CONDITION AND DEVELOPMENT ISSUES OF RURAL WATER SUPPLY SYSTEM

Appendix-2 Rural Water Supply System Survey Sheet

Attached Table 4.3 Rural Water Supply System Survey Sheet (K4 Khaeti Nav)

Sites name：K4 Khaeti Nav ○ Visit day, time：11/29 14:30～

No.	Equipments	Replace or re-use	Fonction or breakdown	Bilder (country)	Manufacturing date	Conntenu of problems, expected cause of breakdown	Specifications
Borehole							☐picture
1	screen	re-use	?				This borehole was cleaned by UNDP. They paid monthly 17~20 somoni for the electricity.
2	casing	re-use	?				
3	quality water						
4	submersible pump	replace	breakdown				The submersible pump was burned, was taken away from the borehole. 25m3/h-110mH.
5	riser pipe	replace	?				Steel pipes φ110
6	dicharge rate						
7	pressure gage	installation	-				
8	air relief valve	installation	-				
9	gate valve	installation	-				
10	check valve	installation	-				
Reservoir							☐picture
11	structure	repaire	fonction				25m3-8mH made of steel
12	pipes	repaire	fonction				Distribution pipes are made of steel, diameter 85mm and 100mm.
13	water level gage	installation	-				
14	ligtning rod	installation	-				
Control room, power line		installation					☐picture : There isn't control room.
15	pipes	installation	-				
16	flowmeter	no need	-				
17	pressure gage	installation	-				
18	safty relief valve	installation	-				
19	gate valve	installation	-				
20	check valve	installation	-				
21	water meter	installation	-				
22	transformer with fuse-breaker	no need	-				Receiving power line is 400V 3phases-4lines.
23	incoming panel (with watt-hour meter)	installation	-				
24	control panel of submersible pump	replace	fonction				This control panel probably works.
25	electric wire or cable	replace	?				
26	fence	re-use					
Equipments of distribution							
27	pipes	repaire					
28	valves box	?					
29	air relief valve	?					
30	sand ejection valve	?					
31	public taps	?					☐picture
32	water meter	installation					
33	gate valve	installation					
Others							

Attached Table 4.4 Rural Water Supply System Survey Sheet (K5 Navruz)

Sites name：K5 Navruz × Visit day, time：11/27 11:30～

No.	Equipments	Replace or re-use	Fonction or breakdown	Builder (country)	Manufacturing date	Contents of problems, expected cause of breakdown	Specifications
Borehole							□picture
1	Screen	re-use	operation				Submersible pump stopped operation.due to burnng of transformere one month ago.
2	Casing	re-use	operation				○ reservoir
3	Water Quality						
4	Submersible Pump	?	?				10m3/h-110mH,5.5kW
5	Riser Pipe	re-use	operation				steel, φ76, 22m
6	Yield						
7	Pressure gauge	installation					
8	air relief valve	installation					φ25*1
9	gate valve	installation	-				φ150*4
10	check valve	installation	-				φ150*2
Tank							□picture
11	Structure	repair	機能				Steel made levated tank (Q=15m3, 12mH) was constructed by RWSA in 2001. Another steel made ground tank (25m3) is beside the elevated tank.. Water leakage was observed on the elevated tank.
12	Pipe	repair	operation				transmission line: steel φ150 2.5km
13	Water Level Gauge	installation	-				
14	ligtning rod	installation	-				
Control room, power line							□picture
15	Structure	repair	-				Control room only, no equipment
16	pipes	installation	-				
17	flowmeter	not required	-				
18	pressure gage	installation	-				
19	safty relief valve	installation	-				
20	gate valve	installation	-				
21	check valve	installation	-				
22	water meter	installation	-				
23	transformer with fuse-breaker	re-use	breakdown				
24	incoming panel (with watt-hour meter)	installation	-				
25	control panel of submersible pump	re-use	?				
26	electric wire or cable	re-use	?				
27	fence	repair	breakdown				
Equipments of distribution							
28	pipes	repair					steel φ150- 1.5km steel φ20- 0.4km
29	valves box	?					φ150*4
30	air relief valve	?					φ25*1
31	sand ejection valve	?					
32	public taps	?					□picture, 20 taps
33	water meter	installation					
34	gate valve	installation					
Others							

Attached Table 4.5 Rural Water Supply System Survey Sheet (K7 Jarkurgan)

Sites name：K7 Jarkurgan ○ Visit day, time：11/29 12:15～

No.	Equipments	Replace or re-use	Fonction or breakdown	Bilder (country)	Manufacturing date	Conntenu of problems, expected cause of breakdown	Specifications
Borehole							□picture
1	screen	installation	breakdown				This borehole isn't used from 2006. This screen is holes type diameter 3~5mm.
2	casing	installation	fonction				
3	quality water						
4	submersible pump	replace	breakdown				Submersible pump's capacity 6.3m3/h, it started drawing the sable, because of screen.
5	riser pipe	replace	?				φ110mm
6	dicharge rate						
7	pressure gage	installation	-				
8	air relief valve	installation	-				
9	gate valve	re-use	?				φ100mm
10	check valve	installation	-				
Reservoir							□picture
11	structure	repaire	fonction				25m3-16mH, it's compairelately new. There's a hole outside of discharge pipe to the bottom of the reservoir, but they said this reservoir has two panel of bottom. There was no reakage from the reservoir. Water is coming from diefferent submersible pump, but there isn't enough water height. Diameter of distribution pipes are 110mm and 100mm.
12	pipes	repaire	fonction				
13	water level gage	installation	-				
14	ligtning rod	installation	-				
Control room, power line		installation					□picture: There isn't control room.
15	pipes	installation	-				
16	flowmeter	no need	-				
17	pressure gage	installation	-				
18	safty relief valve	installation	-				
19	gate valve	installation	-				
20	check valve	installation	-				
21	water meter	installation	-				
22	transformer with fuse-breaker	no need	-				Receiving power is 400v 3phases-4line.
23	incoming panel (with watt-hour meter)	installation	-				
24	control panel of submersible pump	replace	fonction				Maximam valeur of ammeter is 20 ~ 30A. It probably work.
25	electric wire or cable	replace					
26	fence	re-use					
Equipments of distribution							
27	pipes	repaire					
28	valves box	?					
29	air relief valve	?					
30	sand ejection valve	?					
31	public taps	?					□picture
32	water meter	installation					
33	gate valve	installation					
Others							
32	submersible pump of another system	replace	fonction				We visited the borehole that supply water to this system, the submeresible pump works. But control panel is too old. Village people changed this pump for ten times. Now capacity of pump ; 6.3m3/h-80mH.

Attached Table 4.6 Rural Water Supply System Survey Sheet (K9 Uchi Kabda)

Sites name：K9 Uchi Kabda ○ Visit day, time：11/30 14:05～

No.	Equipments	Replace or re-use	Fonction or breakdown	Bilder (country)	Manufacturing date	Conntenu of problems, expected cause of breakdown	Specifications
Borehole							□picture
1	screen	re-use	?				
2	casing	re-use	?				
3	quality water						
4	submersible pump	replace	breakdown				The submersible pump was burned, now it's still in the borehole. 65m3-120mH
5	riser pipe	replace	?				Steel φ110
6	dicharge rate						
7	pressure gage	replace	?				
8	air relief valve	installation	-				
9	gate valve	installation	-				
10	check valve	installation	-				
Reservoir							□picture
11	structure	repaire	fonction				25m3-8mH made of steel
12	pipes	repaire	fonction				Diameter of distribution and discharge pipes is 110mm.
13	water level gage	installation	-				
14	ligtning rod	installation	-				
Control room, power line		repaire					□picture
15	pipes	installation	-				
16	flowmeter	no need	-				
17	pressure gage	installation	-				
18	safty relief valve	installation	-				
19	gate valve	installation	-				
20	check valve	installation	-				
21	water meter	installation	-				
22	transformer with fuse-breaker	replace	fonction	(It's too old)			Capacity isn't confirmed from panel, but it's uesd also for the houses near hear.
23	incoming panel (with watt-hour meter)	installation	-				In the switching panel, a watt-hour meter is installed and was stopped at the valeur 21,659 kWh. In the control panel there's a ammeter max.150A and NFB 63A, ammeter max. 100A.
24	control panel of submersible pump	replace	?				
25	electric wire or cable	replace	?				
26	fence	re-use					
Equipments of distribution							
27	pipes	repaire					
28	valves box	?					
29	air relief valve	?					
30	sand ejection valve	?					
31	public taps	?					□picture
32	water meter	installation					
33	gate valve	installation					
Others							Electricity rate is 2.2 diram per kWh in this area for house.

Attached Table 4.7 Rural Water Supply System Survey Sheet (K10 Kalinin)

Sites name：K10 Kalinin　　Visit day, time：11/30 15:00～

No.	Equipments	Replace or re-use	Fonction or breakdown	Bilder (country)	Manufacturing date	Conntenu of problems, expected cause of breakdown	Specifications
Borehole							☐picture
1	screen						
2	casing						
3	quality water		It's necessry to study again in this site.				
4	submersible pump						
5	riser pipe						
6	dicharge rate						
7	pressure gage						
8	air relief valve						
9	gate valve						
10	check valve						
Reservoir							☐picture
11	structure						
12	pipes						
13	water level gage						
14	ligtning rod						
Control room, power line							☐picture
15	pipes						
16	flowmeter						
17	pressure gage						
18	safty relief valve						
19	gate valve						
20	check valve						
21	water meter						
22	transformer with fuse-breaker						
23	incoming panel (with watt-hour meter)						
24	control panel of submersible pump						
25	electric wire or cable						
26	fence						
Equipments of distribution							
27	pipes						
28	valves box						
29	air relief valve						
30	sand ejection valve						
31	public taps						☐picture
32	water meter						
33	gate valve						
Others							

Attached Table 4.8 Rural Water Supply System Survey Sheet (K11 Borshevik)

Sites name：K11 Borshevik △ Visit day, time：11/29 13:50～

No.	Equipments	Replace or re-use	Fonction or breakdown	Bilder (country)	Manufacturing date	Conntenu of problems, expected cause of breakdown	Specifications
Borehole							☐picture
1	screen	?	?				
2	casing	?	?				
3	quality water						
4	submersible pump	replace	breakdown				There isn't a submersible pump in the borehole. 63m3/h-65mH.
5	riser pipe	replace	?				φ110
6	dicharge rate						
7	pressure gage	installation	-				
8	air relief valve	installation	-				
9	gate valve	installation	-				
10	check valve	installation	-				
Reservoir							☐picture
11	structure	installation	-				There is no reservoir for this system, water is suppyed directly from the pressure of submersible pump.
12	pipes	installation	-				
13	water level gage	installation	-				
14	ligtning rod	installation	-				
Control room, power line		repaire					☐picture
15	pipes	installation	-				
16	flowmeter	no need	-				
17	pressure gage	installation	-				
18	safty relief valve	installation	-				
19	gate valve	installation	-				
20	check valve	installation	-				
21	water meter	installation	-				
22	transformer with fuse-breaker	no need	-				Receiving the power line with 400V 3phases-4lines
23	incoming panel (with watt-hour meter)	installation	-				
24	control panel of submersible pump	replace	breakdown				
25	electric wire or cable	replace	?				
26	fence	repaire					
Equipments of distribution							
27	pipes	repaire					Total length is 8 km. After rehabilitation of UNDP, there was about 30 points of reakages of water from pipes.
28	valves box	?					
29	air relief valve	?					
30	sand ejection valve	?					
31	public taps	?					☐picture
32	water meter	installation					
33	gate valve	installation					
Others							

Attached Table 4.9 Rural Water Supply System Survey Sheet (K12 Tsorbogy Ziraki)

Sites name：K12 Tsorbogy Ziraki ○(Tsorbogy) Visit day, time：11/30 13:35～

No.	Equipments	Replace or re-use	Fonction or breakdown	Bilder (country)	Manufacturing date	Conntenu of problems, expected cause of breakdown	Specifications
Borehole							□picture
1	screen	re-use	?				There are 2 stations, one is at Tsorbogy, another is at Ziraki. Borehole depth at Tsorbogy 80 meters. Borehole at Ziraki is pluged with sand or
2	casing	re-use	?				
3	quality water						
4	submersible pump	replace	breakdown				The submersible pump at Tsorbogy was burned, it was 65m3/h-120mH.
5	riser pipe	replace	?				Steel φ110
6	dicharge rate						
7	pressure gage	installation	-				
8	air relief valve	installation	-				
9	gate valve	installation	-				
10	check valve	installation	-				
Reservoir							□picture
11	structure	repaire	fonction				Reservoir at Tsorbogy 25m3-16mH made of steel.
12	pipes	repaire	fonction				Distribution and discharge pipes: diameter 110mm, steel
13	water level gage	installation	-				
14	ligtning rod	installation	-				
Control room, power line		installation					□picture There isn't control room at Tsorbogy.
15	pipes	installation	-				
16	flowmeter	no need	-				
17	pressure gage	installation	-				
18	safty relief valve	installation	-				
19	gate valve	installation	-				
20	check valve	installation	-				
21	water meter	installation	-				
22	transformer with fuse-breake	replace	fonction				For the Tsorbogy station : 100kVA, 3phases, 6,000V/400V, made in 1984
23	incoming panel (with watt-hour meter)	installation					
24	control panel of submersible pump	replace	?				Control panel of Tsorbogy ; 400V, 30A
25	electric wire or cable	replace	?				
26	fence	re-use					
Equipments of distribution							
27	pipes	repaire					3km Length of distribution pipes out of 8km were repaired.
28	valves box	?					
29	air relief valve	?					
30	sand ejection valve	?					
31	public taps	?					□picture
32	water meter	installation					
33	gate valve	installation					
Others							

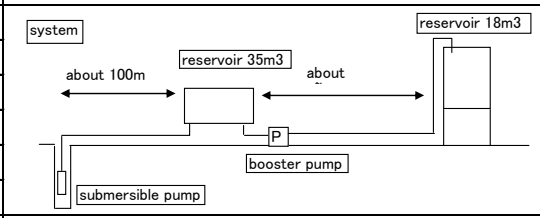
Attached Table 4.10 Rural Water Supply System Survey Sheet (K13 Kalinin)

Sites name：K13 Kalinin △ Visit day, time：11/29 13:20～

No.	Equipments	Replace or re-use	Fonction or breakdown	Bilder (country)	Manufacturing date	Conntenu of problems, expected cause of breakdown	Specifications
Borehole							☐picture
1	screen	installation	breakdown				There is the sand from borehole, they couldn't pump up water. The submersible pump isn't taken away. They installed again some screens inside the borehole.
2	casing	installation	fonction				
3	quality water						
4	submersible pump	replace	breakdown				Pump of 6.5m3/h-125mH is taken on the ground just beside of borehole. They said that the capacity is 4 kW.
5	riser pipe	replace	-				
6	dicharge rate						
7	pressure gage	installation	-				
8	air relief valve	installation	-				
9	gate valve	installation	-				
10	check valve	installation	-				
Reservoir							☐picture
11	structure	installation	?	(It's too old)			25m3-16mH, made of steel
12	pipes	installation	?				
13	water level gage	installation	-				
14	ligtning rod	installation	-				
Control room, power line		installation					☐picture : There isn't control room.
15	pipes	installation	-				
16	flowmeter	no need	-				
17	pressure gage	installation	-				
18	safty relief valve	installation	-				
19	gate valve	installation	-				
20	check valve	installation	-				
21	water meter	installation	-				
22	transformer with fuse-break	replace	fonction	(It's too old)			25kVA, 3phases, 10,000V/400V
23	incoming panel (with watt-hour meter)	installation					
24	control panel of submersible pump	replace	?				
25	electric wire or cable	replace	?				
26	fence						
Equipments of distribution							
27	pipes	repaire					
28	valves box	?					
29	air relief valve	?					
30	sand ejection valve	?					
31	public taps	?					☐picture
32	water meter	installation					
33	gate valve	installation					
Others							

Attached Table 4.11 Rural Water Supply System Survey Sheet (S2 Rudaki)

Sites name: S2 Rudaki ◎ Visit day, time: 11/28 11:40～

No.	Equipments	Replace or re-use	Fonction or breakdown	Bilder (country)	Manufacturing date	Conntenu of problems, expected cause of breakdown	Specifications
Borehole							☐picture
1	screen	?	?				This system is 2 reservoirs, one submersible pump and one booster pump (spiral pump) installed on the ground.
2	casing	?	?				
3	quality water						
4	submersible pump	replace	breakdown				Submersible pump (22kW) was burned. Booster pump (spiral pump, 220~340m3/h/32~25mH) was taken away, but control panel (400V) exisit.
5	riser pipe	replace	?				φ110
6	dicharge rate						
7	pressure gage	installation	-				
8	air relief valve	installation	-				
9	gate valve	replace	?				
10	check valve	replace	?				
Reservoir							☐picture
11	structure	repaire	fonction				Outside is made of concret inside is made of steel, about 18m3-3mH. Reservoir for booster pump is made of steel, about 35m3.
12	pipes	repaire	fonction				
13	water level gage	installation	-				
14	ligtning rod	installation	-				
Control room, power line		repaire					☐picture
15	pipes	installation	-				
16	flowmeter	no need	-				
17	pressure gage	installation	-				
18	safty relief valve	installation	-				
19	gate valve	installation	-				
20	check valve	installation	-				
21	water meter	installation	-				
22	transformer with fuse-breal	repaire	fonction				Electricity was provided by 400V 3phases-4lines for the control room. That power line is just near the site. Transformer is 400kVA, 10,000V/400V, made in 1990. This transformer provide electricity for the houses.
23	incoming panel (with watt-hour meter)	installation					
24	control panel of submersible pump	replace	?				380V, NFB100A, ammeter 150~max 200A
25	electric wire or cable	replace					
26	fence	re-use					
Equipments of distribution							
27	pipes	repaire					
28	valves box	?					
29	air relief valve	?					
30	sand ejection valve	?					
31	public taps	?					☐picture
32	water meter	installation					
33	gate valve	installation					
Others							

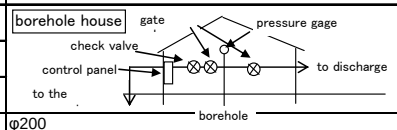
Attached Table 4.12 Rural Water Supply System Survey Sheet (S4 Batan)

Sites name：S4 Batan ◎ Visit day, time：11/28 12:40～

No.	Equipments	Replace or re-use	Fonction or breakdown	Bilder (country)	Manufacturing date	Conntenu of problems, expected cause of breakdown	Specifications
Borehole							□picture
1	screen	?	?				
2	casing	?	?				
3	quality water						
4	submersible pump	replace	breakdown				The guide of RWSA said "The voltage fluctuation made the moter of the pump to be burned". 40m3-60mH
5	riser pipe	replace	?				Steelφ110, afterφ150
6	dicharge rate						
7	pressure gage	installation	-				
8	air relief valve	installation	-				
9	gate valve	re-use	?				
10	check valve	re-use	?				
Reservoir							□picture
11	structure	repaire	fonction				made of steel, 20mH There wasn't reakage of water.
12	pipes	repaire	fonction				
13	water level gage	installation	-				
14	ligtning rod	installation	-				
Control room, power line		repaire					□picture
15	pipes	installation	-				
16	flowmeter	no need	-				
17	pressure gage	installation	-				
18	safty relief valve	installation	-				
19	gate valve	installation	-				
20	check valve	installation	-				
21	water meter	installation	-				
22	transformer with fuse-brea	replace	not fonction				Electrical power from commercial power line, transformer is : 160kVA, 3phases, 10,000V/400V, made in USSR in 1983
23	incoming panel (with watt-hour meter)	installation					
24	control panel of submersible pump	replace	?				
25	electric wire or cable	replace					
26	fence	re-use					
Equipments of distribution							
27	pipes	repaire					
28	valves box	?					
29	air relief valve	?					
30	sand ejection valve	?					
31	public taps	?					□picture
32	water meter	installation					
33	gate valve	installation					
Others							

Attached Table 4.13 Rural Water Supply System Survey Sheet (S5 Sultanabod)

Sites name: S5 Sultanabc × (system works) Visit day, time: 11/28 15:30～

No.	Equipments	Replace or re-use	Fonction or breakdown	Bilder (country)	Manufacturing date	Conntenu of problems, expected cause of breakdown	Specifications
Borehole							☐picture
1	screen	re-use	fonction				The facilities are rehabilitated 6 months ago, now work.
2	casing	re-use	fonction				
3	quality water						
4	submersible pump	re-use	fonction				The submersible pump and distribution pipes are repaired. 60m3/h, original capacity 45kW, but now 32kW of pump is installed.
5	riser pipe	re-use	fonction				steel φ150
6	dicharge rate						
7	pressure gage	re-use	fonction				
8	air relief valve	installation	-				
9	gate valve	re-use	fonction				φ200
10	check valve	re-use	fonction				φ200
Reservoir							☐picture
11	structure	repaire	fonction and breakdown				There're 2 reservoir of 25m3 outside of the pumping station, one works but another is out of order.
12	pipes	repaire	fonction				
13	water level gage	installation	-				
14	ligtning rod	no-need	-				
Control room, power line		repaire					☐picture
15	pipes	installation	-				In the room of borehole, there is control panel of submersible pump.
16	flowmeter	no need	-				
17	pressure gage	installation	-				
18	safty relief valve	installation	-				
19	gate valve	installation	-				
20	check valve	installation	-				
21	water meter	installation	-				
22	transformer with fuse-breal	re-use	fonction				
23	incoming panel (with watt-hour meter)	installation					
24	control panel of submersible pump	replace	fonction				400V, NFB 100A, ammeter max 150A
25	electric wire or cable	replace					
26	fence	re-use					
Equipments of distribution							
27	pipes	repaire					
28	valves box	?					
29	air relief valve	?					
30	sand ejection valve	?					
31	public taps	?					☐picture
32	water meter	installation					
33	gate valve	installation					
Others							

Attached Table 4.14 Rural Water Supply System Survey Sheet (S9 Binokor)

Sites name：S9 Binokor △(system not small) Visit day, time：11/28 10:45～

No.	Equipments	Replace or re-use	Fonction or breakdown	Bilder (country)	Manufacturing date	Conntenu of problems, expected cause of breakdown	Specifications
Borehole							□picture
1	screen	?	One is works but the others don't work.				Operation and maintenance by Vodakanal, owed by Jamoat. There're 3 boreholes, but only one works now. Facilities were rehabilitated in 2005.
2	casing	?	One is works but the others don't work.				
3	quality water						
4	submersible pump	replace	fonction and breakdown				Installed depth is 35 meters. This pump fill up the reservoir for less than 1 hour.
5	riser pipe	replace	?				Steel, φ120
6	dicharge rate						
7	pressure gage	installation	-				
8	air relief valve	installation	-				
9	gate valve	re-use					
10	check valve	installation	-				
Reservoir							□picture
11	structure	repaire	fonction				130m3-20mH, made of steel
12	pipes	repaire	fonction				
13	water level gage	installation	-				
14	ligtning rod	installation	-				
Control room, power line		repaire					□picture
15	pipes	installation	-				
16	flowmeter	no need	-				
17	pressure gage	installation	-				
18	safty relief valve	installation	-				
19	gate valve	installation	-				
20	check valve	installation	-				
21	water meter	installation	-				
22	transformer with fuse-breake	replace	fonction				400kVA, 3phases, 10,000V/400V
23	incoming panel (with watt-hour meter)	installation	breakdown				There are 7 panels for feeder and control of pumps, but almost of panels don't work.
24	control panel of submersible pump	installation and replace	fonction and breakdown				made in 1975, 380V 69A
25	electric wire or cable	installation and replace	?				
26	fence	re-use					
Equipments of distribution							
27	pipes	repaire					
28	valves box	?					
29	air relief valve	?					
30	sand ejection valve	?					
31	public taps	?					□picture
32	water meter	installation					
33	gate valve	installation					
Others							

Attached Table 4.15 Rural Water Supply System Survey Sheet (N1 44-Chashuma 01 tinsoy)

Sites name：N1 44-Chashuma 01 tinso ×(No people) Visit day, time：11/29 10:30～

No.	Equipments	Replace or re-use	Fonction or breakdown	Bilder (country)	Manufacturing date	Conntenu of problems, expected cause of breakdown	Specifications
Borehole							□picture:
1	screen	?	function and breakdown				there are three boreholes. Two of them are functioning. The other is breakdown.
2	casing	?	function and breakdown				
3	quality water						
4	submersible pump	installation and	function and breakdown				There are three submersible pumps. One pump is working. One is malfunction and another is removed. Spec. is 120m3/h-80mH 32kW.
5	riser pipe	installation and	function and breakdown				steel, φ114, 30m
6	dicharge rate						
7	pressure gage	installation	function				
8	air relief valve	?	?				φ32*3, φ32*3(transmission line)
9	gate valve	installation and					φ150*9, 3pits*d=1.5m, φ250*4(transmission line)
10	check valve	installation and					φ150*3
Reservoir							Two 250 m3 of concrete ground tanks are in the main pumping station. Bahor and Taraganov have two 100m3 of tanks and one 500m3 of tank. Oltinsoy and Orzuhave 25m3 of ground tank..
11	structure	installation	function	(It's too old)			
12	pipes	?	?				Transmission line: φ273, steel, 0.7km
13	water level gage	not require	-				
14	ligtning rod	installation	-				
							Reconstruction of pump house of main pumping stationis required. Because it vibrates during operation.
Control room, power line							□Pictute
15	Structure	replace	function				Reconstruction of pump house of main pumping stationis required. Because it vibrates during operation.
16	pipes	re-use	function				There're three booster pumps for distribution, one works, but the others don't work. There's problem on the pump, and cables. 75kW 3,000rpm
17	flowmeter	installation	-				There are 3 booster pumps, but only one pump is working. Two pumps are not working due to problem of cable. Capacity of pumps is 75kw
18	pressure gage	installation	-				
19	safty relief valve	installation	-				
20	gate valve	re-use	function				
21	check valve	re-use	function				
22	water meter	installation	-				
23	transformer with fuse-breake	installation and	fonction				
24	incoming panel (with watt-hour meter)	replace	?				4 incoming panels and power boards for high voltage. 4 inercepters for low voltage.
25	control panel of submersible pump	replace	function and breakdown				
26	electric wire or cable	replace	function and breakdown				1 motor is malfunctioned due to operation furing lost phase. It was caused too narrow spacing of cables and cables touched each other during typhoon. Reputting work of electric wire is required.
27	fence	re-use					
Equipments of distribution							
27	pipes	repair					Iron ductile and steel, φ273-114, 35km. Leakage was observed from 10km of pipeline. Distribution pipeline welded spirally is installed on the
28	valves box	?					φ200x9 φ200x4 18 pits with diameter of 1.5m
29	air relief valve	?					φ32*12
30	sand ejection valve	?					
31	public taps	?					□Picture, 65taps
32	water meter	installation					
33	gate valve	installation					
Others							There are booster pumping station s in Bahor and Traganov. Pumping station in Bahor has two pumps (55kW, 2,940rpm), but only one pump is working. Pumping station in Traganov has also two pumps. Three 50m^3 of tanks exist in Bahor. One 75m3 of tanks exist in Traganov.

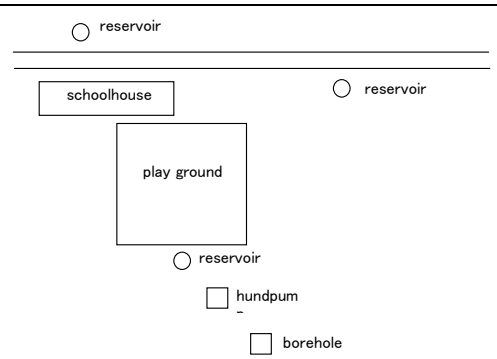
Attached Table 4.16 Rural Water Supply System Survey Sheet (N2 Alfa Ferma)

Sites name：N2 Alfa Ferma ×(No people) Visit day, time：11/29 10:30～

No.	Equipments	Replace or re-use	Fonction or breakdown	Bilder (country)	Manufacturing date	Conntenu of problems, expected cause of breakdown	Specifications
Borehole							☐ picture: There aren't any houses in this area, but they said "in the future the people will come".
1	screen	installation	breakdown				There are 2 well, into the one well (depth 23m), a hund pump is installed, another is about 300 m from this hund pump.
2	casing	installation	breakdown				
3	quality water						
4	submersible pump	installation	-				
5	riser pipe	installation	-				
6	dicharge rate						
7	pressure gage	installation	-				
8	air relief valve	installation	-				
9	gate valve	installation	-				
10	check valve	installation	-				
Reservoir							☐picture
11	structure	installation	?	(It's too old)			made of steel,
12	pipes	repaire	?				
13	water level gage	installation	-				
14	ligtning rod	installation	-				
Control room, power line		installation					☐picture There isn't control room.
15	pipes	installation	-				
16	flowmeter	no need	-				
17	pressure gage	installation	-				
18	safty relief valve	installation	-				
19	gate valve	installation	-				
20	check valve	installation	-				
21	water meter	installation	-				
22	transformer with fuse-breaker	replace	fonction				250kVA, 3phases, 10,000V/400V
23	incoming panel (with watt-hour meter)	installation					
24	control panel of submersible pump	installation	-				
25	electric wire or cable	installation					
26	fence	installation					
Equipments of distribution							
27	pipes	installation	?				
28	valves box	installation					
29	air relief valve	?					
30	sand ejection valve	?					
31	public taps	installation					☐picture
32	water meter	installation					
33	gate valve	installation					
Others							

Attached Table 4.17 Rural Water Supply System Survey Sheet (P1 Utsastok Tugul)

Sites name：P1 Utsastok Tugul × Visit day, time：11/27 11:30～

No.	Equipments	Replace or re-use	Fonction or breakdown	Bilder (country)	Manufacturing date	Conntenu of problems, expected cause of breakdown	Specifications
Borehole							☐picture
1	screen	?	?				Borehole is beside of junior high school, it didn't work after civil war.
2	casing	?	?				
3	quality water						
4	submersible pump	installation	-				
5	riser pipe	installation	-				
6	dicharge rate						
7	pressure gage	installation	-				
8	air relief valve	installation	-				
9	gate valve	installation	-				
10	check valve	installation	-				
Reservoir							☐picture
11	structure	installation	?	(It's too old)			Made of steel, 25m3-16mH
12	pipes	repaire	fonction				
13	water level gage	installation	-				
14	ligtning rod	installation	-				
Control room, power line		installation					☐picture
15	pipes	installation	-				
16	flowmeter	no need	-				
17	pressure gage	installation	-				
18	safty relief valve	installation	-				
19	gate valve	installation	-				
20	check valve	installation	-				
21	water meter	installation	-				
22	transformer with fuse-break	?	?				
23	incoming panel (with watt-hour meter)	installation					
24	control panel of submersible pump	installation	-				
25	electric wire or cable	installation					
26	fence	installation	-				
Equipments of distribution							
27	pipes	repaire	?				
28	valves box	?					
29	air relief valve	?					
30	sand ejection valve	?					
31	public taps	?					☐picture
32	water meter	installation					
33	gate valve	installation					
Others							

Attached Table 4.18 Rural Water Supply System Survey Sheet (P5 Komsomol)

Sites name：P5 Komsomol × Visit day, time：11/26 17:00～

No.	Equipments	Replace or re-use	Fonction or breakdown	Bilder (country)	Manufacturing date	Conntenu of problems, expected cause of breakdown	Specifications
Borehole							☐picture
1	screen	installation	breakdown				There's some stones inside of the borehole. Depth is 36 meters.
2	casing	installation	breakdown				This system worked 5 or 6 years ago.
3	quality water						
4	submersible pump	installation	-				A submersiblepump have been installed, but now there isn't. There was a power line of three phases.
5	riser pipe	installation	-				
6	dicharge rate						
7	pressure gage	installation	-				
8	air relief valve	installation	-				
9	gate valve	installation	-				
10	check valve	installation	-				
Reservoir							☐picture
11	structure	installation	?	(It's too old)			Hight is about 15meters until bottom of the reservoir, made of steel.
12	pipes	repaire	?				
13	water level gage	installation	-				
14	ligtning rod	installation	-				
Control room, power line		repaire					☐picture
15	pipes	installation	-				
16	flowmeter	no need	-				
17	pressure gage	installation	-				
18	safty relief valve	installation	-				
19	gate valve	installation	-				
20	check valve	installation	-				
21	water meter	installation	-				
22	transformer with fuse-break	no need	-				There is a power line of 400V three phases and 4 line to the control room.
23	incoming panel (with watt-hour meter)	installation	-				
24	control panel of submersible pump	replace	breakdown				
25	electric wire or cable	replace					
26	fence	installation	-				
Equipments of distribution							
27	pipes	repaire					
28	valves box	?					
29	air relief valve	?					
30	sand ejection valve	?					
31	public taps	?					☐picture
32	water meter	installation					
33	gate valve	installation					
Others							

Attached Table 4.19 Rural Water Supply System Survey Sheet (P6 Utsastok Pekhtakor)

Sites name：P6 Utsastok Pekhtakor ◎ Visit day, time：11/27 14:50～

No.	Equipments	Replace or re-use	Fonction or breakdown	Bilder (country)	Manufacturing date	Conntenu of problems, expected cause of breakdown	Specifications
Borehole							☐picture
1	screen	re-use	fonction				2 boreholes and each inside of borehole there is submersible pump. Rehabilitated in 2004 by UNDP, one pump was out of order in 2006. 2 pumps worked alternately.
2	casing	re-use	fonction				Village people don't know the reason that pumps didn't work. But there is many reakage from distribution pipes and there're also operating problems.
3	quality water						
4	submersible pump	replace	fonction and breakdown				
5	riser pipe	re-use	?				φ110 and φ130
6	dicharge rate						
7	pressure gage	installation	-				
8	air relief valve	installation	-				
9	gate valve	installation	-				
10	check valve	installation	-				
Reservoir							☐picture
11	structure	repaire	fonction				
12	pipes	repaire	fonction				
13	water level gage	installation	-				
14	ligtning rod	installation	-				
Control room, power line		installation					☐picture : There isn't control room.
15	pipes	installation	-				
16	flowmeter	no need	-				
17	pressure gage	installation	-				
18	safty relief valve	installation	-				
19	gate valve	installation	-				
20	check valve	installation	-				
21	water meter	installation	-				
22	transformer with fuse-brea	repaire	fonction				250kVA 10,000V/400V 3phases-4lines made in USSR in 1979, 1.3tons. This transformer also provides for houses. Condition is comparatively
23	incoming panel (with watt-hour meter)	installation					
24	control panel of submersible pump	installation	-				
25	electric wire or cable	installation	-				
26	fence	repaire	particiel				
Equipments of distribution							
27	pipes	repaire					
28	valves box	?					
29	air relief valve	?					
30	sand ejection valve	?					
31	public taps	?					☐picture
32	water meter	installation					
33	gate valve	installation					
Others							

Attached Table 4.20 Rural Water Supply System Survey Sheet (P9 Utsastok Zarbdor)

Sites name：P9 Utsastok Zarbdor ○ Visit day, time：11/27 15:25～

No.	Equipments	Replace or re-use	Fonction or breakdown	Bilder (country)	Manufacturing date	Conntenu of problems, expected cause of breakdown	Specifications
Borehole							□picture
1	screen	?	?				Rehabilitated by Against Hunger
2	casing	?	?				
3	quality water	?					Because of quality of water, village people refused to pay for water.
4	submersible pump	replace	breakdown				Pump was burned one year ago.
5	riser pipe	replace	?	(because of quality of water)			φ85mm
6	dicharge rate						
7	pressure gage	installation	-				
8	air relief valve	installation	-				
9	gate valve	installation	-				
10	check valve	installation	-				
Reservoir							□picture
11	structure	repaire	fonction	(One will be repaired, another will be examinated)			There are 2 units, one is 25m3-10mH, another is 6mH.
12	pipes	repaire	fonction				
13	water level gage	installation	-				
14	ligtning rod	installation	-				
Control room, power line		repaire	fonction				□picture
15	pipes	installation	-				
16	flowmeter	no need	-				
17	pressure gage	installation	-				
18	safty relief valve	installation	-				
19	gate valve	installation	-				
20	check valve	installation	-				
21	water meter	installation	-				
22	transformer with fuse-breaker	no need	-				Electricity was provided by 400V 3phases-4lines for the control room. That power line is near the control room.
23	incoming panel (with watt-hour meter)	installation	-				
24	control panel of submersible pump	installation	-				Someone took away for his house.
25	electric wire or cable	installation	-				
26	fence	re-use					
Equipments of distribution							
27	pipes	repaire					
28	valves box	?					
29	air relief valve	?					
30	sand ejection valve	?					
31	public taps	?					□picture
32	water meter	installation					
33	gate valve	installation					
Others							

Attached Table 4.21 Rural Water Supply System Survey Sheet (P11 Utsastok Shakardasht)

Sites name：P11 Utsastok Shakardasht × Visit day, time：11/27 9:20～

No.	Equipments	Replace or re-use	Fonction or breakdown	Bilder (country)	Manufacturing date	Conntenu of problems, expected cause of breakdown	Specifications
Borehole							☐picture
1	screen	installation	breakdown				Borehole is pluged with sand in 1992. There are 15~20 hand pumps made by themselves in this area. Depth of well is 9~12 meters.
2	casing	installation	breakdown				
3	quality water						
4	submersible pump	installation	-				A submersiblepump of 40m3/125mH was installed.
5	riser pipe	installation	-				
6	dicharge rate						
7	pressure gage	installation	-				
8	air relief valve	installation	-				
9	gate valve	installation	-				
10	check valve	installation	-				
Reservoir							☐picture
11	structure	installation	breakdown	(It's too old)			25m3-16mH, made of steel, constructed in 1965.
12	pipes	installation	breakdown				Pipe is broken.
13	water level gage	installation	-				
14	ligtning rod	installation	-				
Control room, power line		installation					☐picture : There isn't control room.
15	pipes	installation	-				
16	flowmeter	no need	-				
17	pressure gage	installation	-				
18	safty relief valve	installation	-				
19	gate valve	installation	-				
20	check valve	installation	-				
21	water meter	installation	-				
22	transformer with fuse-breake	replace	fonction	(It' too old)			100kVA, 3phases-4lines, 10,000V/400V, 50Hz, made in 1969
23	incoming panel (with watt-hour meter)	installation					
24	control panel of submersible pump	installation	-				
25	electric wire or cable	installation	-				
26	fence	installation	-				
Equipments of distribution							
27	pipes	repaire					
28	valves box	?					
29	air relief valve	?					
30	sand ejection valve	?					
31	public taps	?					☐picture
32	water meter	installation					
33	gate valve	installation					
Others							

Attached Table 4.22 Rural Water Supply System Survey Sheet (P12 Utsastok Shakardasht)

Sites name：P12 Utsastok Shakardas × Visit day, time：11/27 10:05～

No.	Equipments	Replace or re-use	Fonction or breakdown	Bilder (country)	Manufacturing date	Conntenu of problems, expected cause of breakdown	Specifications
Borehole							□picture
1	screen	installation	breakdown				This facility stopped in 1994. This borehole is pluged with sand and stones.
2	casing	installation	breakdown				
3	quality water						
4	submersible pump	installation	-				
5	riser pipe	installation	-				
6	dicharge rate						
7	pressure gage	installation	-				
8	air relief valve	installation	-				
9	gate valve	installation	-				
10	check valve	installation	-				
Reservoir							□picture
11	structure	installation	breakdown	(It's too old)			This reservoir is made of steel, 25m3-15or16mH. This structure is little inclied.
12	pipes	installation	breakdown				Diameter of distribution and also discharge pipes are ϕ 100 made of steel.
13	water level gage	installation	-				
14	ligtning rod	installation	-				
Control room, power line		installation					□picture: There isn't control room.
15	pipes	installation	-				
16	flowmeter	no need	-				
17	pressure gage	installation	-				
18	safty relief valve	installation	-				
19	gate valve	installation	-				
20	check valve	installation	-				
21	water meter	installation	-				
22	transformer with fuse-breake	no need	-				Commercial power line of 400V 3phases and 4 lines is near the reservoir (100~200m).
23	incoming panel (with watt-hour meter)	installation	-				
24	control panel of submersible pump	installation	-				
25	electric wire or cable	installation					
26	fence	installation	-				
Equipments of distribution							
27	pipes	repaire	?				
28	valves box	?					
29	air relief valve	?					
30	sand ejection valve	?					
31	public taps	?					□picture
32	water meter	installation					
33	gate valve	installation					
Others							
							Price of cotton is 10 diram per kilogram.

Attached Table 4.23 Rural Water Supply System Survey Sheet (P13 Sarmantoi)

Sites name：P13 Sarmantoi ○ Visit day, time：11/26 14:20～

No.	Equipments	Replace or re-use	Fonction or breakdown	Bilder (country)	Manufacturing date	Conntenu of problems, expected cause of breakdown	Specifications
Borehole							☐picture
1	screen	?	?				2 boreholes, one is submersible pump, another is spiral and centrifugal pump based on the ground level.
2	casing	?	?				
3	quality water						
4	submersible pump	replace	breakdown				Because of sand in the groundwater, submersiblepump was broken. Depth installed is more than 40m.
5	riser pipe	replace	?				φ110 (diametre outside)
6	dicharge rate						
7	pressure gage	replace	?				
8	air relief valve	installation	-				
9	gate valve	re-use					
10	check valve	installation	-				
Reservoir							☐picture
11	structure	repaire	fonction				Hight is about 15meters until bottom of the reservoir. 25m3*2unite. Frame and posts are made of steel, tank are made of concret.
12	pipes	repaire	fonction				There are some small holes on the one tank. But another is no hole. French NGO named ACTED repaired these facilities.
13	water level gage	installation	-				
14	ligtning rod	installation	-				
Control room, power line		repaire					☐picture
15	pipes	installation	-				
16	flowmeter	no need	-				
17	pressure gage	installation	-				
18	safty relief valve	installation	-				
19	gate valve	installation	-				
20	check valve	installation	-				
21	water meter	installation	-				
22	transformer with fuse-breake	replace	fonction				160kVA, 3phases, 10,000V/400V, made in USSR
23	incoming panel (with watt-hour meter)	installation	?				
24	control panel of submersible pump	replace	breakdown				
25	electric wire or cable	replace					
26	fence	re-use					
Equipments of distribution							
27	pipes	repaire					
28	valves box	?					
29	air relief valve	?					
30	sand ejection valve	?					
31	public taps	?					☐picture
32	water meter	installation					
33	gate valve	installation					
Others							

Attached Table 4.24 Rural Water Supply System Survey Sheet (P14 Utsastok M. Gorikiy)

Sites name：P14 Utsastok M. Gorikiy ◎ Visit day, time：11/27 11:05～

No.	Equipments	Replace or re-use	Fonction or breakdown	Bilder (country)	Manufacturing date	Conntenu of problems, expected cause of breakdown	Specifications
Borehole							☐picture
1	screen	re-use	?				In 2003 the rehabilitation of facilities was implemented by UNDP-ECHO.
2	casing	re-use	?				Surface of site about 20m x 50m
3	quality water						
4	submersible pump	installation	breakdown				The moter of submersiblepump : diameter 180mm, length 70cm
5	riser pipe	installation	-				
6	dicharge rate						
7	pressure gage	installation	-				
8	air relief valve	installation	-				
9	gate valve	installation					
10	check valve	installation	-				
Reservoir							☐picture
11	structure	repaire	fonction				Made of steel, 26m3-10mH
12	pipes	repaire	fonction				discharge and distribution main ϕ100, steel pipes
13	water level gage	installation	-				
14	ligtning rod	installation	-				
Control room, power line		repaire					☐picture
15	pipes	repaire	fonction				Condition of control room isn't so bad.
16	flowmeter	no need	-				
17	pressure gage	installation	-				
18	safty relief valve	installation	-				
19	gate valve	installation	-				
20	check valve	installation	-				
21	water meter	installation	-				
22	transformer with fuse-breaker	replace	fonction				160kVA, 3phases, 10,000V/400V, it's old.
23	incoming panel (with watt-hour meter)	installation					
24	control panel of submersible pump	replace	breakdown				normal current written on the panel 69A
25	electric wire or cable	installation					
26	fence	re-use					
Equipments of distribution							
27	pipes	repaire	60% fonction				There are pipes made of PVC and steel, said 60% is useful.
28	valves box	?					
29	air relief valve	?					
30	sand ejection valve	?					
31	public taps	?					☐picture
32	water meter	installation					
33	gate valve	installation					
Others							

Attached Table 4.25 Rural Water Supply System Survey Sheet (P15 Utsastok Burka)

Sites name：P15 Utsastok Burka △ Visit day, time：11/26 15:30～

No.	Equipments	Replace or re-use	Fonction or breakdown	Bilder (country)	Manufacturing date	Conntenu of problems, expected cause of breakdown	Specifications
Borehole							☐picture
1	screen	?	?				
2	casing	?	?				
3	quality water						Arsenic is less than 0.2 mg/l.
4	submersible pump	installation	-				A hand pump is installed.
5	riser pipe	installation	-				
6	dicharge rate						
7	pressure gage	installation	-				
8	air relief valve	installation	-				
9	gate valve	installation	-				
10	check valve	installation	-				
Reservoir							☐picture
11	structure	installation	?	(It's too old)			Hight is about 15meters until bottom of the reservoir. Tank is made of steel. There is no reakage from tank.
12	pipes	installation	?				It's necessary to change the pipes.
13	water level gage	installation	-				
14	ligtning rod	installation	-				
Control room, power line		installation					☐picture
15	pipes	installation	-				Control room is destroyed.
16	flowmeter	no need	-				
17	pressure gage	installation	-				
18	safty relief valve	installation	-				
19	gate valve	installation	-				
20	check valve	installation	-				
21	water meter	installation	-				
22	transformer with fuse-breaker	no need	-				There isn't a transformer and incoming panel, but near the hund pump there is a power line of 220V sigle phase, 380V three phases and 4
23	incoming panel (with watt-hour meter)	installation	-				
24	control panel of submersible pump	installation	-				
25	electric wire or cable	installation					
26	fence	installation	-				
Equipments of distribution							
27	pipes	repaire	?				
28	valves box	?					
29	air relief valve	?					
30	sand ejection valve	?					
31	public taps	?					☐ picture: There are taps in each houses about 70% of household. Total 560 houses in three villages.
32	water meter	installation					
33	gate valve	installation					
Others							

2 CHAPTER4 EXISTING CONDITION AND DEVELOPMENT ISSUES OF RURAL WATER SUPPLY SYSTEM

Appendix-3 Data Base of Rural Water Supply System

（1） Attached Figures

（2） Attached Tables

2. CHAPTER 4 EXISTING CONDITION AND DEVELOPMENT ISSUES OF RURAL WATER SUPPLY SYSTEM

4.1 INTRODUCTION

In order to formulate the water supply improvement plan for the existing water supply system, detailed information of each water supply system located in the targeted area is essential.

However, due to an inexistence of a database of the water supply system in the target area, the inventory survey has been carried out in this Study, as mentioned in Chapter 4. And all information collected by this inventory survey was compiled in a database created in this Study.

In addition, the Geographical Information System (hereinafter referred to as GIS) was introduced to the study. The GIS technology is possible to do the spatial analysis by using various data, which is one of the advantages of utilizing GIS.

In this chapter, the design of database created considering the actual utilization of the databases and the outputs created by GIS are described.

4.2 DATABASE SYSTEM CREATED IN THE STUDY

4.2.1 DESIGN OF THE DATABASE SYSTEM

The results of the inventory survey were compiled by MS-Excel and then those data were divided in to 7 tables, in accordance with their characteristics listed in the *Table 4.1* and *Table 4.2*, that compose the "Khatlon_WSS.mdb", a database created by MS-Access.

It will point out simply the method of viewing the database as follows. Opening the file of "Khatlon_WSS.mdb" to view the database, "Start" form pops up to choose each facility. To select the name of the facility, records, being compiled six sheets, are opened up. Each sheet shows the data of the inventory survey. It is a set of view form in the Attached Figure 4.3 - 4.8.

Table 4.1 List of Information in the Database (1)

Database table	Items		Remarks
A_Water_Supply	-Date inventoried -Name of Rayon, -Name of Jamoat -Name of Village -Coordinates -Name of the WSS -Year of Construction -Owner of the WSS -Operator of the WSS -Type of source of water -Source of water	-Operating condition -Average quantity of water supplied -Maximum quantity of water supplied -Service hours -Reason of stopping the operation -Date of stopping the operation -History of rehabilitation made in the system	Basic information about the water supply system (English and Russian).
B_Water_Source	-Quantity of well -Depth of well -Capacity (yield) of well -Static and dynamic water level of the well -Casing diameter -Casing material -Screen position -Pump model and type -Pump setting position	-Pump motor output -Pump head -Pump discharge capacity -Diameter of the riser pipe -Material of the riser pipe -Pump starting up method -Location of control panel -Alternative water source -Distance to fetching water -Fetching times per day	Information about the source of water for the water supply system (English and Russian).

Table 4.2 List of Information in the Database (2)

Database table	Items		Remarks
C_Network	-Diameter and material of the aqueduct -Total length of the aqueduct -Condition and problems of the aqueduct -Quantity of valves in the aqueduct -Coordinates of the reservoir -Capacity and material of the reservoir -High and low water level of the reservoir -Condition and problems of the reservoir -Existence of chlorination facility and the agent utilized -Diameter and material of the transmission line -Length of the transmission line -Condition and problems of the transmission line -Quantity of valves in the transmission line	-Coordinates of the Distribution tank -Type and capacity of the distribution tank -Material of the distribution tank -Condition and problems of the distribution tank -Diameter and material of the distribution main -Length of the distribution main -Condition and problems of the distribution main -Quantity of valves in the distribution main -Quantity of public taps -Diameter and material of the public tap -Total length of the service line	Information about the water supply system network (English and Russian)
E_Rehabilitation	-Name and quantity of facilities to be rehabilitated or replaced		(English and Russian)
F_Figure	Schematic layout of the water supply system		(English and Russian)
Pop_Serv	-Villages served by the water supply system -Population served by the water supply system		(English and Russian)
WaterQuality	-Results of the water quality analysis		(English and Russian)
Well	-Coordinates of each well existent as a water source		(English and Russian)

The structure of the Khatlon_WSS Database is shown in *Figure 4.1*. Two sub folders are created under Khatlon_WSS folder; “Db” folder and “GIS” folder. In the “Db” data folder, “Khalon_WSS.mdb”, a MS-Access database file and two subfolders “Tables (excel)” and “Figures” are filed. “Khatlon_WSS.mdb” file is composed of seven (7) tables where the results of the inventory survey are organized. The “Tables (excel)” folder contains MS-Excel files where the results of the inventory survey are organized and in the "Figures” folder, the schematic layout of all water supply system inventoried is filed as a raster data.

In the “GIS” data folder, the data files for creating maps and results of analysis such as table, polygon, polyline and point data are filed as a shape file and a dbf file. Under “GIS” folder, four (4) sub folders were created (“01_MapFileGIS”, “Raster”, “Study_Area” and “Figures”). First of all, in the “01_MapFilesGIS” the outputs of GIS analysis such as distribution of water supply

system, operational condition of the water supply system, population served, etc are filed as a map file ("mxd" format which can be opened by Arc GIS).

Second, in the "Raster" folder, 28 maps which cover the whole Khatlon Oblast are filed as a raster data. Those maps were utilized as a background of the map files. Third, in the "Study_Area" folder, shapefile of the administrative boundaries of the Study Area are filed and two subfolders were also created ("Inventory" and "Priority System"). Those subfolders contain the shapefiles and dbf files of the analyzed by GIS. Finally, in the "Figure" folder, the outputs of the analysis by GIS are filed as a raster data.

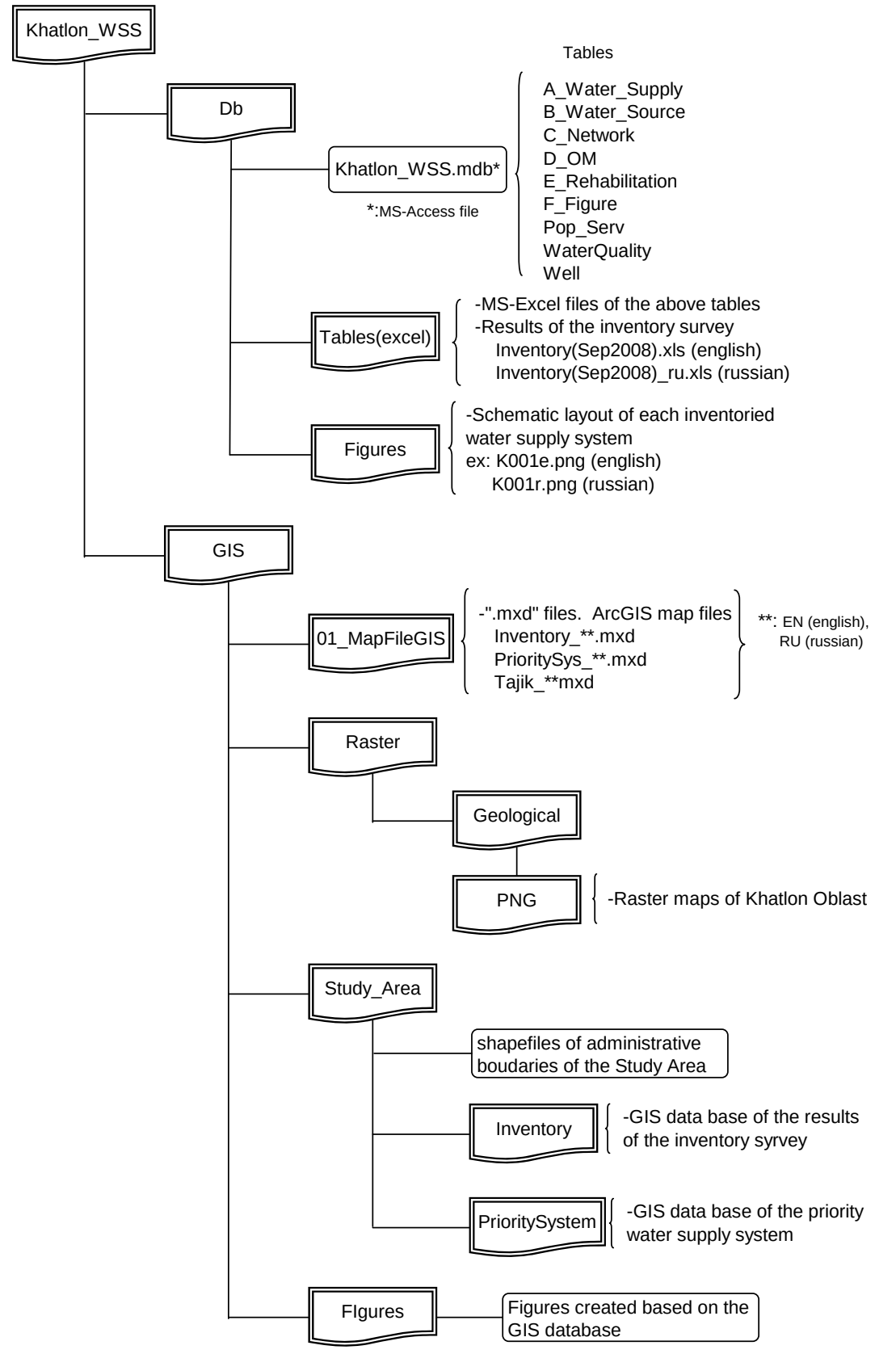


FIGURE 4.1 STRUCTURE OF DATABASE SYSTEM

THE STUDY FOR SUSTAINABLE RURAL WATER SUPPLY SYSTEM IN THE SOUTHERN KHATLON OBLAST IN THE REPUBLIC OF TAJIKISTAN | **JICA**

4.3 DATABASE SYSTEM CREATED WITH GEOGRAPHIC INFORMATION SYSTEM (GIS)

4.3.1 GENERAL

In order to realize effective advantage of the GIS, it should be mentioned that accurate data input and proper technical consideration to the results obtained by GIS analysis are required to prevent the misunderstanding of the results. Considering the characteristics of the advantages of GIS technology, the preparation of maps and analysis were carried out as long as the study uses the developed GIS.

4.3.2 MAPS CREATED BY GEOGRAPHIC INFORMATION SYSTEM (GIS)

(1) Base Map

Administrative boundaries such as Oblast boundary and Rayon boundary are fundamental information; however, the digital format of those boundaries data was not available before starting the Study. Therefore, the Study Team prepared and created the digital format of the boundaries through three (3) steps, which are

1) The collection of the boundary data on the prints, 2) the scanning of collected maps and 3) the digitizing of the scanned maps.

The base maps provided in the Study are listed in the *Table 4.3*.

Table 4.3 List of Base Maps Created

Data		Source	Format
1	Study area boundary	Existing Topographic map	Shape
2	Rayon boundary	Existing Topographic map	Shape
3	Oblast boundary	Existing Topographic map	Shape

(2) Analysis Map

In order to understand the actual situation of the water supply system of the Study Area, analysis maps of the actual situation of the water supply system was created in the Study. An inventory survey was accomplished due to an inexistence of any information about the water supply system of the covered target area in neither digital nor even paper base document.

The development of a location map of water supply systems, in digital format, is one of the important results achieved by the Study.

Analysis maps were created by overlaying the information of the inventory survey such as operation condition, served population, etc to the correspondent water supply system. *Table 4.4* show the list of maps created in this Study.

Table 4.4 List of Maps Created

	Maps
1	Distribution map of the water supply system
2	Distribution map of the water supply facility by operating condition
3	Distribution map of the water supply system by number of population served
4	Distribution map of the water supply system by type of water source
5	Distribution map of the priority facilities

4.4 RECOMMENDATIONS

The database system is created as the results of the analysis and of the field investigations performed by the Study Team, i.e. the inventory survey for the water supply system and site survey. In order to facilitate continued effective utilization of the database, the following items are absolutely recommended.

(1) Improvement of the Accuracy of Locality Information

For the effective application of the database, the locality information is the fundamental matter, especially for the analysis by the GIS. Therefore, it is strongly recommended to determine the coordinate by the Global Positioning System (GPS) when any new data is added to the database. Besides, it is desirable to determine the coordinates even for the existing data.

(2) Periodical Update of the Database

In order to reflect the latest conditions on the water supply system, it is recommended to do the periodical update of the database.

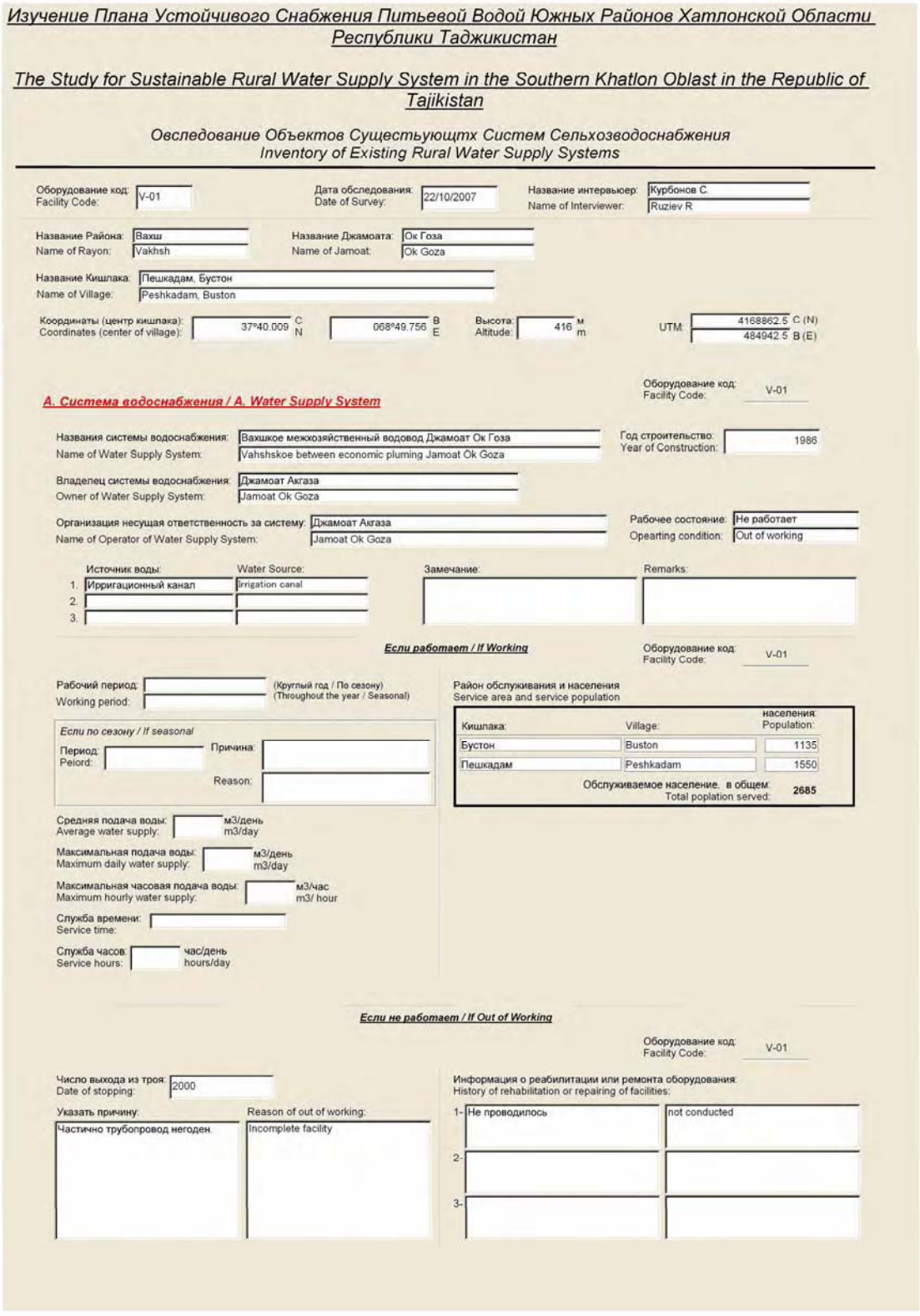
2 CHAPTER4 EXISTING CONDITION AND DEVELOPMENT ISSUES OF RURAL WATER SUPPLY SYSTEM

Appendix-3 Data Base of Rural Water Supply System

（1）Attached Figures

ATTACHED FIGURE 4.2 START FORMAT

THE STUDY FOR SUSTAINABLE RURAL WATER SUPPLY SYSTEM IN THE SOUTHERN KHATLON OBLAST IN THE REPUBLIC OF TAJIKISTAN	JICA



Изучение Плана Устойчивого Снабжения Питьевой Водой Южных Районов Хатлонской Области Республики Таджикистан

The Study for Sustainable Rural Water Supply System in the Southern Khatlon Oblast in the Republic of Tajikistan

Овследование Объектов Сущестьующтх Систем Сельхозводоснабжения
Inventory of Existing Rural Water Supply Systems

Оборудование код: Facility Code: V-01
Дата обследования: Date of Survey: 22/10/2007
Название интервьюер: Name of Interviewer: Курбонов С. / Ruziev R

Название Района: Name of Rayon: Вахш / Vakhsh
Название Джамоата: Name of Jamoat: Ок Гоза / Ok Goza
Название Кишлака: Name of Village: Пешкадам, Бустон / Peshkadam, Buston

Координаты (центр кишлака): Coordinates (center of village): 37°40.009 C N; 068°49.756 B E
Высота: Altitude: 416 м m
UTM: 4168862.5 C (N); 484942.5 B (E)

A. Система водоснабжения / A. Water Supply System

Оборудование код: Facility Code: V-01

Названия системы водоснабжения: Name of Water Supply System: Вахшкое межхозяйственный водовод Джамоат Ок Гоза / Vahshskoe between economic pluming Jamoat Ok Goza
Год строительство: Year of Construction: 1986
Владелец системы водоснабжения: Owner of Water Supply System: Джамоат Акгаза / Jamoat Ok Goza
Организация несущая ответственность за систему: Name of Operator of Water Supply System: Джамоат Акгаза / Jamoat Ok Goza
Рабочее состояние: Opearting condition: Не работает / Out of working

	Источник воды:	Water Source:
1.	Ирригационный канал	Irrigation canal
2.		
3.		

Замечание: Remarks:

Если работает / If Working

Оборудование код: Facility Code: V-01

Рабочий период: Working period: (Круглый год / По сезону) (Throughout the year / Seasonal)

Если по сезону / If seasonal
Период: Peiord: Причина: Reason:

Средняя подача воды: Average water supply: м3/день m3/day
Максимальная подача воды: Maximum daily water supply: м3/день m3/day
Максимальная часовая подача воды: Maximum hourly water supply: м3/час m3/ hour
Служба времени: Service time:
Служба часов: Service hours: час/день hours/day

Район обслуживания и населения
Service area and service population

Кишлака:	Village:	населения. Population:
Бустон	Buston	1135
Пешкадам	Peshkadam	1550
	Обслуживаемое население. в общем: Total poplation served:	2685

Если не работает / If Out of Working

Оборудование код: Facility Code: V-01

Число выхода из троя: Date of stopping: 2000

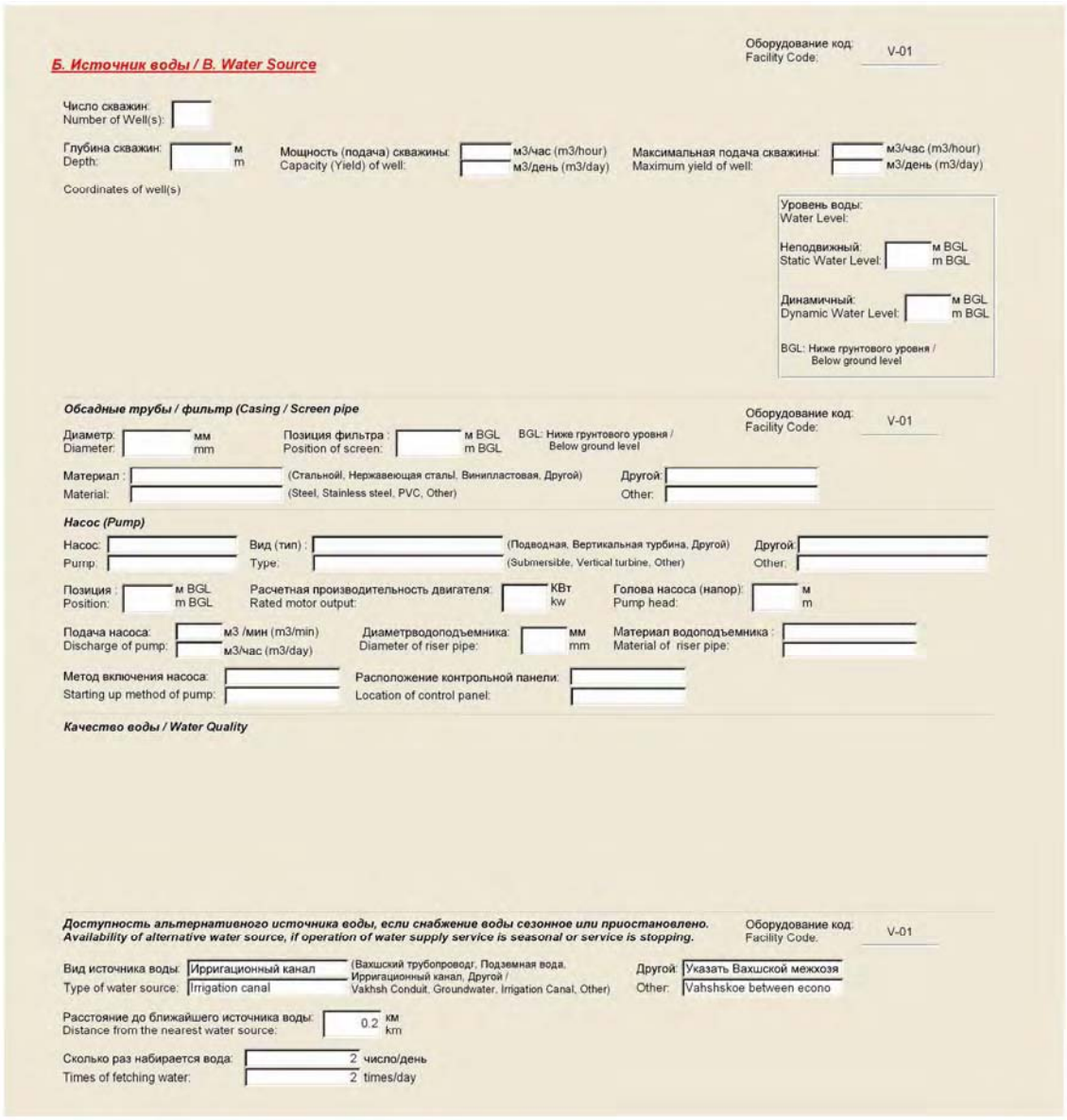
Указать причину: Частично трубопровод негоден.
Reason of out of working: Incomplete facility

Информация о реабилитации или ремонта оборудования:
History of rehabilitation or repairing of facilities:

1-	Не проводилось	not conducted
2-		
3-		

ATTACHED FIGURE 4.3 FACILITY DATA SHEET 1

THE STUDY FOR SUSTAINABLE RURAL WATER SUPPLY SYSTEM IN THE SOUTHERN KHATLON OBLAST IN THE REPUBLIC OF TAJIKISTAN | **JICA**



Б. Источник воды / B. Water Source

Оборудование код: Facility Code: V-01

Число скважин: Number of Well(s):

Глубина скважин: Depth: м m

Мощность (подача) скважины: Capacity (Yield) of well: м3/час (m3/hour) м3/день (m3/day)

Максимальная подача скважины: Maximum yield of well: м3/час (m3/hour) м3/день (m3/day)

Coordinates of well(s)

Уровень воды: Water Level:
Неподвижный: Static Water Level: м BGL m BGL
Динамичный: Dynamic Water Level: м BGL m BGL
BGL: Ниже грунтового уровня / Below ground level

Обсадные трубы / фильтр (Casing / Screen pipe

Оборудование код: Facility Code: V-01

Диаметр: Diameter: мм mm

Позиция фильтра : Position of screen: м BGL m BGL

BGL: Ниже грунтового уровня / Below ground level

Материал : Material: (Стальной, Нержавеющая сталь, Винипластовая, Другой) (Steel, Stainless steel, PVC, Other)

Другой: Other:

Насос (Pump)

Насос: Pump:

Вид (тип) : Type: (Подводная, Вертикальная турбина, Другой) (Submersible, Vertical turbine, Other)

Другой: Other:

Позиция : Position: м BGL m BGL

Расчетная производительность двигателя: Rated motor output: КВт kw

Голова насоса (напор): Pump head: м m

Подача насоса: Discharge of pump: м3 /мин (m3/min) м3/час (m3/day)

Диаметрводоподъемника: Diameter of riser pipe: мм mm

Материал водоподъемника : Material of riser pipe:

Метод включения насоса: Starting up method of pump:

Расположение контрольной панели: Location of control panel:

Качество воды / Water Quality

Доступность альтернативного источника воды, если снабжение воды сезонное или приостановлено.
Availability of alternative water source, if operation of water supply service is seasonal or service is stopping.

Оборудование код: Facility Code: V-01

Вид источника воды: Type of water source: Ирригационный канал / Irrigation canal (Вахшский трубопроводг, Подземная вода, Ирригационный канал, Другой / Vakhsh Conduit, Groundwater, Irrigation Canal, Other)

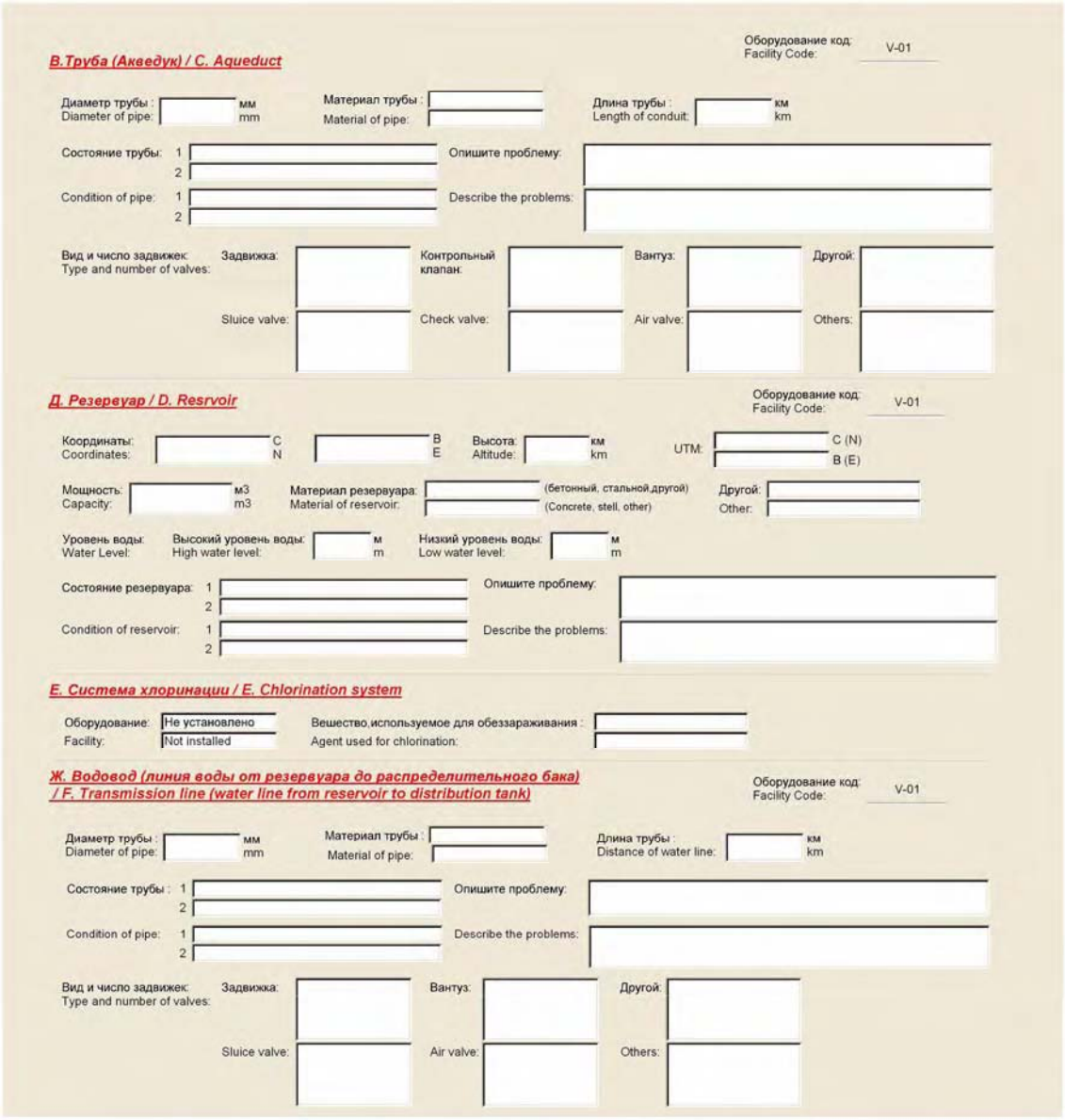
Другой: Other: Указать Вахшской межхозя / Vahshskoe between econo

Расстояние до ближайшего источника воды: Distance from the nearest water source: 0.2 км km

Сколько раз набирается вода: Times of fetching water: 2 число/день 2 times/day

ATTACHED FIGURE 4.4 FACILITY DATA SHEET 2

THE STUDY FOR SUSTAINABLE RURAL WATER SUPPLY SYSTEM IN THE SOUTHERN KHATLON OBLAST IN THE REPUBLIC OF TAJIKISTAN	JICA



В.Труба (Акведук) / C. Aqueduct

Оборудование код: Facility Code: V-01

Диаметр трубы : Diameter of pipe: мм mm

Материал трубы : Material of pipe:

Длина трубы : Length of conduit: км km

Состояние трубы: 1 2

Condition of pipe: 1 2

Опишите проблему:

Describe the problems:

Вид и число задвижек: Type and number of valves:

Задвижка: Sluice valve:

Контрольный клапан: Check valve:

Вантуз: Air valve:

Другой: Others:

Д. Резервуар / D. Resrvoir

Оборудование код: Facility Code: V-01

Координаты: Coordinates: C N B E

Высота: Altitude: км km

UTM: C (N) B (E)

Мощность: Capacity: м3 m3

Материал резервуара: Material of reservoir: (бетонный, стальной,другой) (Concrete, stell, other)

Другой: Other:

Уровень воды: Water Level:

Высокий уровень воды: High water level: м m

Низкий уровень воды: Low water level: м m

Состояние резервуара: 1 2

Condition of reservoir: 1 2

Опишите проблему:

Describe the problems:

Е. Система хлоринации / E. Chlorination system

Оборудование: Facility: Не установлено Not installed

Вещество,используемое для обеззараживания : Agent used for chlorination:

Ж. Водовод (линия воды от резервуара до распределительного бака) / F. Transmission line (water line from reservoir to distribution tank)

Оборудование код: Facility Code: V-01

Диаметр трубы : Diameter of pipe: мм mm

Материал трубы : Material of pipe:

Длина трубы : Distance of water line: км km

Состояние трубы : 1 2

Condition of pipe: 1 2

Опишите проблему:

Describe the problems:

Вид и число задвижек: Type and number of valves:

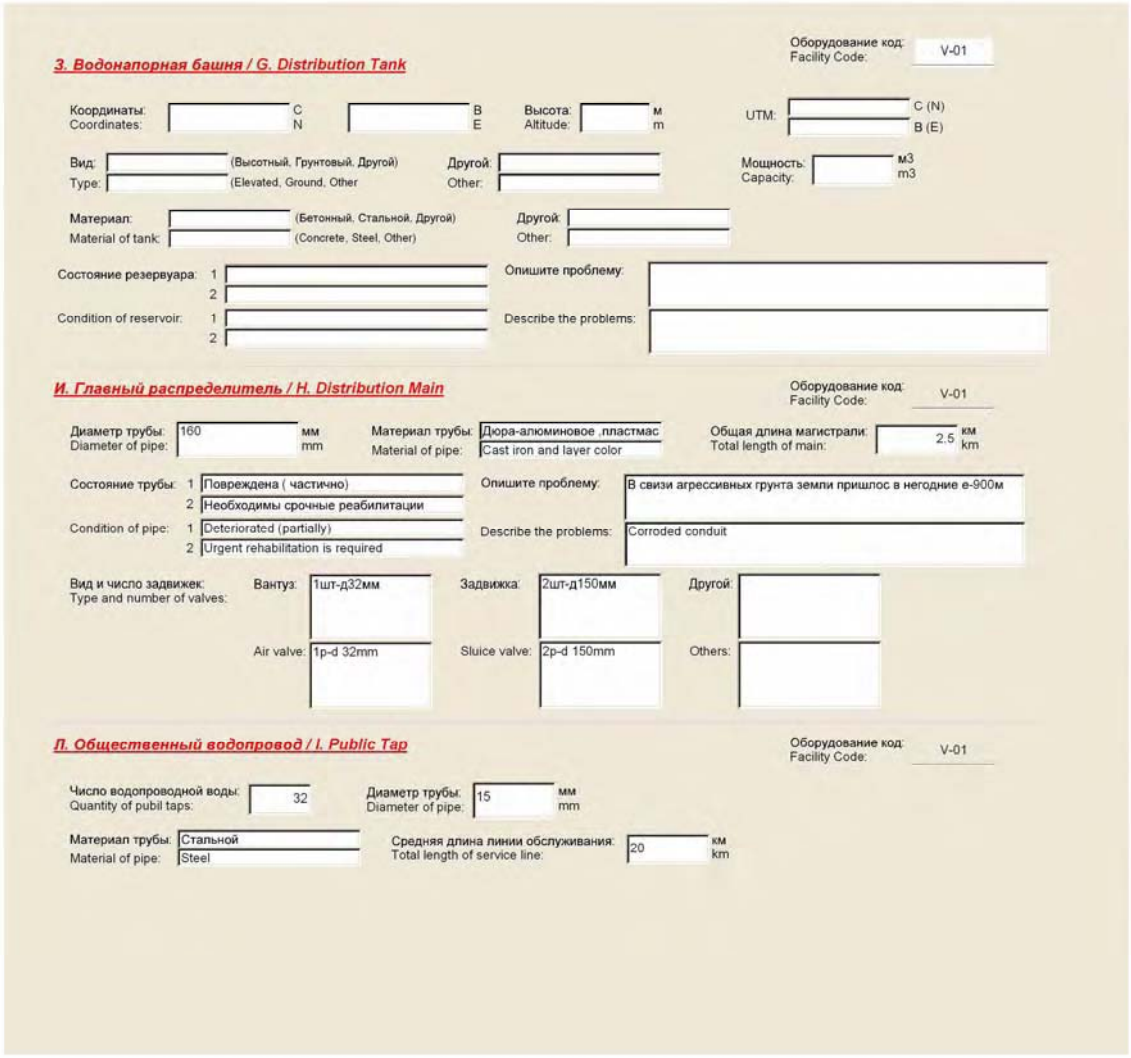
Задвижка: Sluice valve:

Вантуз: Air valve:

Другой: Others:

ATTACHED FIGURE 4.5 FACILITY DATA SHEET 3.1

THE STUDY FOR SUSTAINABLE RURAL WATER SUPPLY SYSTEM IN THE SOUTHERN KHATLON OBLAST IN THE REPUBLIC OF TAJIKISTAN	JICA



З. Водонапорная башня / G. Distribution Tank

Оборудование код: Facility Code: V-01

Координаты: Coordinates: C N B E

Высота: Altitude: м m

UTM: C (N) B (E)

Вид: Type: (Высотный, Грунтовый, Другой) (Elevated, Ground, Other

Другой: Other:

Мощность: Capacity: м3 m3

Материал: Material of tank: (Бетонный, Стальной, Другой) (Concrete, Steel, Other)

Другой: Other:

Состояние резервуара: Condition of reservoir: 1 2 1 2

Опишите проблему: Describe the problems:

И. Главный распределитель / H. Distribution Main

Оборудование код: Facility Code: V-01

Диаметр трубы: Diameter of pipe: 160 мм mm

Материал трубы: Material of pipe: Дюра-алюминовое ,пластмас Cast iron and layer color

Общая длина магистрали: Total length of main: 2.5 км km

Состояние трубы: Condition of pipe: 1 Повреждена (частично) 2 Необходимы срочные реабилитации 1 Deteriorated (partially) 2 Urgent rehabilitation is required

Опишите проблему: Describe the problems: В свизи агрессивных грунта земли пришлос в негодние е-900м Corroded conduit

Вид и число задвижек: Type and number of valves:

Вантуз: Air valve: 1шт-д32мм 1p-d 32mm

Задвижка: Sluice valve: 2шт-д150мм 2p-d 150mm

Другой: Others:

Л. Общественный водопровод / I. Public Tap

Оборудование код: Facility Code: V-01

Число водопроводной воды: Quantity of pubil taps: 32

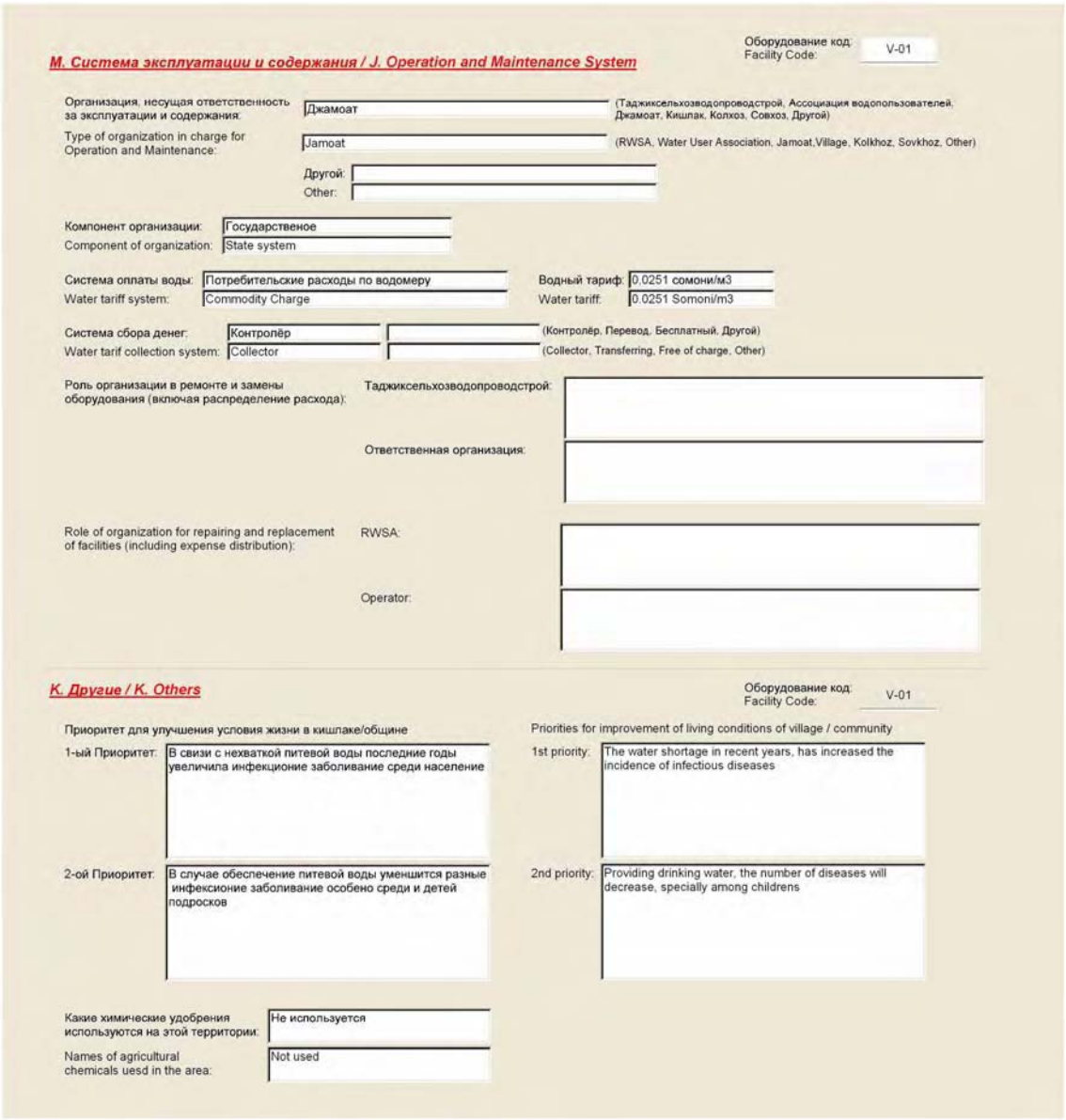
Диаметр трубы: Diameter of pipe: 15 мм mm

Материал трубы: Material of pipe: Стальной Steel

Средняя длина линии обслуживания: Total length of service line: 20 км km

ATTACHED FIGURE 4.6 FACILITY DATA SHEET 3.2

THE STUDY FOR SUSTAINABLE RURAL WATER SUPPLY SYSTEM IN THE SOUTHERN KHATLON OBLAST IN THE REPUBLIC OF TAJIKISTAN | **JICA**



M. Система эксплуатации и содержания / J. Operation and Maintenance System

Оборудование код: Facility Code: V-01

Организация, несущая ответственность за эксплуатации и содержания: Джамоат (Таджиксельхозводопроводстрой, Ассоциация водопользователей, Джамоат, Кишлак, Колхоз, Совхоз, Другой)

Type of organization in charge for Operation and Maintenance: Jamoat (RWSA, Water User Association, Jamoat,Village, Kolkhoz, Sovkhoz, Other)

Другой: / Other:

Компонент организации: Государственое
Component of organization: State system

Система оплаты воды: Потребительские расходы по водомеру
Water tariff system: Commodity Charge

Водный тариф: 0.0251 сомони/м3
Water tariff: 0.0251 Somoni/m3

Система сбора денег: Контролёр (Контролёр, Перевод, Бесплатный, Другой)
Water tarif collection system: Collector (Collector, Transferring, Free of charge, Other)

Роль организации в ремонте и замены оборудования (включая распределение расхода): Таджиксельхозводопроводстрой:

Ответственная организация:

Role of organization for repairing and replacement of facilities (including expense distribution): RWSA:

Operator:

K. Другие / K. Others

Оборудование код: Facility Code: V-01

Приоритет для улучшения условия жизни в кишлаке/общине

1-ый Приоритет: В свизи с нехваткой питевой воды последние годы увеличила инфекционие заболивание среди население

2-ой Приоритет: В случае обеспечение питевой воды уменшится разные инфексионие заболивание особено среди и детей подросков

Priorities for improvement of living conditions of village / community

1st priority: The water shortage in recent years, has increased the incidence of infectious diseases

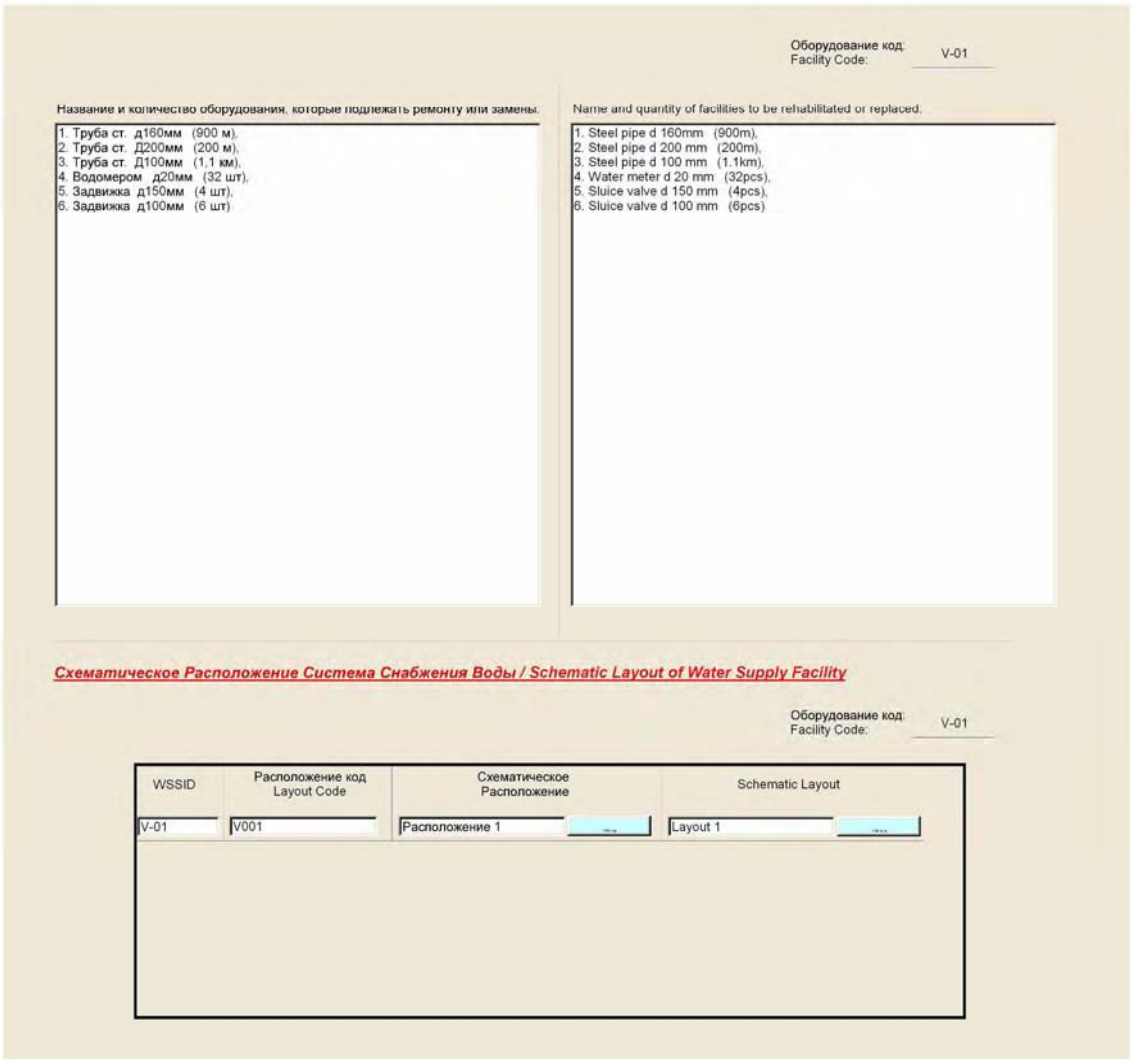
2nd priority: Providing drinking water, the number of diseases will decrease, specially among childrens

Какие химические удобрения используются на этой территории: Не используется

Names of agricultural chemicals uesd in the area: Not used

ATTACHED FIGURE 4.7 FACILITY DATA SHEET 4

THE STUDY FOR SUSTAINABLE RURAL WATER SUPPLY SYSTEM IN THE SOUTHERN KHATLON OBLAST IN THE REPUBLIC OF TAJIKISTAN	JICA



ATTACHED FIGURE 4.8 FACILITY DATA SHEET 5

THE STUDY FOR SUSTAINABLE RURAL WATER SUPPLY SYSTEM IN THE SOUTHERN KHATLON OBLAST IN THE REPUBLIC OF TAJIKISTAN	JICA

2 CHAPTER4 EXISTING CONDITION AND DEVELOPMENT ISSUES OF RURAL WATER SUPPLY SYSTEM

Appendix-3 Data Base of Rural Water Supply System

（2）Attached Tables

Water Supply System Data Base

Serial No.	File No.	WSS ID	Date	A-1 Name of Rayon	A-2 Name of Jamoat	A-3 Name of Village	A-3 Name of Interviwer	A-3 Coordinates (Center of Village) Latitude N	Longitude E	Altitude (m)	A-4 Name of Water Supply System	A-5 Year of Construction	A-6 Owner of Water Supply System	A-7 Name of Operator	A-8 Water Source		A-9 Operating Condition	Remarks	A-9-1 If Working: Working Period	If Seasonal (period and months)	If seasonal, what is the reason?
1	1	K-10	11/11/2007	Kabodiyon	Yangi Yul	Kalinin	Saidov R.	37° 19.518	068°11.176	371	Water Supply Dakki	1972	Jamoat Yangi Yul	Jamoat Yangi Yul	2: Groundwater		2: Out of working				
2	2	K-08	10/11/2007	Kabodiyon	S. Khudoikulov	Chkalov	Qurbonov S	37° 24.252	068°10.982	392	Water Supply Chkalov	1974	Jamoat Chkalov	Jamoat Chkalov	2: Groundwater		1: Working		1: Throughout the year		
3	3	K-03	08/11/2007	Kabodiyon	S. Khudoikulov	Kizil-Ittifoq	Ruziev R	37° 24.852	068°10.982	390	Water Supply Qizil-Ittifoq	1976	Jamoat Qizil-Ittifoq	Jamoat Qizil-Ittifoq	2: Groundwater		1: Working		1: Throughout the year		
4	4	K-09	13/11/2007	Kabodiyon	U. Nazarov	Kabla	Saidov R	37° 28.088	068°09.878	401	Water Supply Kabla	1968	U. Nazarov Jamoat	U. Nazarov Jamoat	2: Groundwater		2: Out of working				
5	5	K-12	13/11/2007	Kabodiyon	I. Niyozov	Chorbog, Ziraki	Saidov R.	37° 25.457	068°11.341	403	Water Supply Ziraki	1985	Jamoat Niyozov	Jamoat Niyozov	2: Groundwater		2: Out of working				
6	6	K-02	07/11/2007	Kabodiyon	S. Khudoikulov	Yangi Yul	Ruziev R.	37° 13.004	068°11.791	363	Water Supply Yangi Yul	1985	Jamoat S. Khudoiqulov	Jamoat S. Khudoiqulov	2: Groundwater		2: Out of working				
7	7	K-05	11/11/2007	Kabodiyon	Navobod	Navruz	Qurbonov S.	37° 04.716	068°08.223	339	Water Supply Navruz	2001	RWSA	RWSA	2: Groundwater		2: Out of working		1: Throughout the year		

Water Supply System Data Base

Serial No.	File No.	WSS ID	Date	A-1 Name of Rayon	A-2 Name of Jamoat	A-3 Name of Village	A-3 Name of Interviwer	A-3 Coordinates (Center of Village) Latitude N	Longitude E	Altitude (m)	A-4 Name of Water Supply System	A-5 Year of Construction	A-6 Owner of Water Supply System	A-7 Name of Operator	A-8 Water Source		A-9 Operating Condition	Remarks	A-9-1 If Working: Working Period	If Seasonal (period and months)	If seasonal, what is the reason?
8	8	K-01	13/11/2007	Kabodiyon	Nosiri Khisrav	Lenin, Jura Azizov,Sino, Tursunzoda	Saidov R.	37° 23.947	068°09.901	380	Water Supply Jamoat Nosiri Khisrav	1971	GUP "KHMK" Kabodiyon region	KDFO Kabodiyon	2: Groundwater		1: Working	partially (30%)	1: Throughout the year		
9	9	K-14	12/11/2007	Kabodiyon	Yangi Yul	Kizil-Kuch	Saidov R.	37° 19.518	068°11.176	371	Water Supply Kizil-Kuch	1970	OVP "Kafolat"	OVP "Kafolat"	2: Groundwater		2: Out of working				
10	10	K-06	07/11/2007	Kabodiyon	Kabodiyon	Chimgily	Qurbonov S.	37° 20.300	068°01.003	386	Water Supply Chimgily	1967	Jamoat Kabodiyon	Jamoat Kabodiyon	2: Groundwater		1: Working		1: Throughout the year		
11	11	K-04	10/11/2007	Kabodiyon	S. Khudoikulov	Khayoti Nav	Ruziev R.	37° 11.344	068°11.176	349	Water Supply Hayoty nav	1976	Jamoat S. Khudoiqulov	Jamoat S. Khudoiqulov	2: Groundwater		2: Out of working				
12	12	K-13	09/11/2007	Kabodiyon	S. Khudoikulov	Kalinin	Ruziev R.	37° 11.474	068°13.063	360	Water Supply Kalinin	1976	Jamoat S. Khudoiqulov	Jamoat S. Khudoiqulov	2: Groundwater		2: Out of working				
13	13	K-11	09/11/2007	Kabodiyon	S. Khudoikulov	Bolshevik	Ruziev R.	37° 09.705	068°13.278	355	Water Supply Bolshevik Jamoat S. Khudoiqulov	1970	Jamoat S. Khudoiqulov	Jamoat S. Khudoiqulov	2: Groundwater		2: Out of working				
14	14	K-07	08/11/2007	Kabodiyon	S. Khudoikulov	Jarkurgan	Saidov R.	37° 12.172	068°12.700	370	Water Supply Jarkurgan	1970	Jamoat S. Khudoiqulov	Jamoat S. Khudoiqulov	2: Groundwater		2: Out of working				
15	1	R-37	24/09/2007	Kolkhozobod	S. Isoev	Mira	Ruziev R.	37° 36.027	068°39.367	378	Water Supply Mira	1974	Vodokanal	Vodokanal	1: Vakhsh Conduit		1: Working	partially	1: Throughout the year		

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Serial No.	File No.	WSS ID		A-1	A-2	A-3					A-4	A-5	A-6	A-7	A-8		A-9		A-9-1		
								Coordinates (Center of Village)											If Working		
			Date	Name of Rayon	Name of Jamoat	Name of Village	Name of Interviwer	Latitude N	Longitude E	Altitude (m)	Name of Water Supply System	Year of Construction	Owner of Water Supply System	Name of Operator	Water Source		Operating Condition	Remarks	Working Period	If Seasonal (period and months)	If seasonal, what is the reason?
16	2	R-06	27/09/2007	Kolkhozobod	S. Isoev	Central district hospital	Ruziev R.	37° 35.848	068°39.227	370	Water Supply Central district hospital	1978	Central district hospital of Jamoat S. Isaeva	Central district hospital of Jamoat S. Isaeva	1: Vakhsh Conduit		1: Working		1: Throughout the year		
17	3	R-04	24/09/2007	Kolkhozobod	S. Isoev	Kazakhs	Ruziev R.	37° 36.027	068°39.367	375	Water Supply Kazakhs Village	1974	GUP "KhMK"	Vodokanal GUP "KhMK"	1: Vakhsh Conduit		1: Working	partially (50%)	1: Throughout the year		
18	4	R-05	25/09/2007	Kolkhozobod	PGT Isoev	Lenin	Ruziev R.	37° 36.027	068°39.367	387	Water Supply Vodokanal PGT Isaeva	1974	GUP "KHMK"	GUP "KHMK"	1: Vakhsh Conduit	3: Irrigation canal	1: Working	partially (30%)	1: Throughout the year		
19	5	R-38	27/09/2007	Kolkhozobod	S. Isoev	Sovet	Ruziev R.	37° 36.027	068°39.367	378	Water Supply Sovet PGT Isaeva	1974	Vodokanal GUP "KhMK" (Sate Unitary Enterprise)	Vodokanal GUP "KhMK"	1: Vakhsh Conduit	3: Irrigation canal	1: Working	partially	1: Throughout the year		
20	6	R-32	25/09/2007	Kolkhozobod	PGT Isoev	Khlopzavod-Pivzavod	Ruziev R.	37° 36.027	068°39.367	372	Water Supply Khlopzavod-Pivzavod of PGT Isaeva	1973	Vodokanal GUP "KhMK"	Vodokanal GUP "KhMK"	1: Vakhsh Conduit		1: Working	partially (50%)	1: Throughout the year		
21	7	R-07	25/09/2007	Kolkhozobod	Kalinin	40 year Oktyabr	Ruziev R.	37° 30.001	068°38.634	385	Water Supply 40 year Oktyabr	1974	Kolkhoz 40 year Oktyabr	Kolkhoz 40 year Oktyabr	1: Vakhsh Conduit		2: Out of working				

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Serial No.	File No.	WSS ID	Date	A-1 Name of Rayon	A-2 Name of Jamoat	A-3 Name of Village	A-3 Name of Interviwer	A-3 Coordinates (Center of Village) Latitude N	Longitude E	Altitude (m)	A-4 Name of Water Supply System	A-5 Year of Construction	A-6 Owner of Water Supply System	A-7 Name of Operator	A-8 Water Source		A-9 Operating Condition	Remarks	A-9-1 If Working: Working Period	If Seasonal (period and months)	If seasonal, what is the reason?
22	8	R-08	28/09/2007	Kolkhozobod	Kalinin	Kalinin	Malaev A.	37° 28.631	068°37.889	382	Pump station Kalinin	1984	RWSA and KhREY Qumsangir	RWSA and KhREY Qumsangir	1: Vakhsh Conduit	3: Irrigation canal	1: Working	partially (30%)	1: Throughout the year		
23	9	R-09	15/10/2007	Kolkhozobod	Kalinin	Uzbekobod	Ruziev R.	37° 28.636	068°38.182	383	Water Supply Uzbekobod	1984	Qumsangir KhREY	Qumsangir KhREY	1: Vakhsh Conduit		2: Out of working				
24	10	R-27	27/09/2007	Kolkhozobod	Madaniyat	Esanqulov	Ruziev R.	37° 38.323	068°37.381	365	Water Supply Kolkhoz Esanqulov	1985	Esanqulov Kolkhoz	Esanqulov Kolkhoz	1: Vakhsh Conduit		1: Working		1: Throughout the year		
25	11	R-10	23/09/2007	Kolkhozobod	Madaniyat	Kizil-Baurak	Ruziev R.	37° 38.323	068°37.381	372	Water Supply Kizil-Baurak Kolkhoz T. Esanqulov	1985	Kolkhoz T. Esanqulov	Kolkhoz T. Esanqulov	1: Vakhsh Conduit		1: Working		1: Throughout the year		
26	12	R-11	26/09/2007	Kolkhozobod	Madaniyat	JD Station	Ruziev R.	37° 38.323	068°36.846	367	Water Supply Kolkhoz T. Esanqulov	1978	Kolkhoz T. Esanqulov	Kolkhoz T. Esanqulov	1: Vakhsh Conduit		1: Working	partially	1: Throughout the year		
27	13	R-13	23/09/2007	Kolkhozobod	Navobod	Kizil Namuna	Ruziev R.	37° 39.502	068°36.848	369	Water Supply Qizil Namuna c/farm N. Begova	1962	Jamoat Navobod	Jamoat Navobod	1: Vakhsh Conduit		2: Out of working				
28	14	R-14	27/09/2007	Kolkhozobod	Navobod	Andreeva	Safarov S.	37° 39.502	068°36.848	369	Water Supply Andreev Kolkhoz N.Begova	1964	Jamoat Navobod	Jamoat Navobod	1: Vakhsh Conduit		2: Out of working				

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Serial No.	File No.	WSS ID	Data	A-1 Name of Rayon	A-2 Name of Jamoat	A-3 Name of Village	A-3 Name of Interviwer	A-3 Coordinates (Center of Village) Latitude N	Longitude E	Altitude (m)	A-4 Name of Water Supply System	A-5 Year of Construction	A-6 Owner of Water Supply System	A-7 Name of Operator	A-8 Water Source		A-9 Operating Condition	A-9 Remarks	A-9-1 If Working: Working Period	If Working: If Seasonal (period and months)	If Working: If seasonal, what is the reason?
29	15	R-28	23/09/2007	Kolkhozobod	Navobod	Chapaev	Ruziev R.	37° 39.508	068°38.648	370	Water Supply Chapaev	1980	Jamoat Navobod	Jamoat Navobod	1: Vakhsh Conduit		1: Working				
30	16	R-12	26/09/2007	Kolkhozobod	Navobod	Urtabuz	Ruziev R.	37° 39.502	068°38.648	372	Water Supply Urtabuz	1987	Kolkhoz S. Jumaev	Kolkhoz S. Jumaev	1: Vakhsh Conduit		1: Working	partially	1: Throughout the year		
31	17	R-29	29/09/2007	Kolkhozobod	Tugalan	Communist	Ruziev R.	37° 38.914	068°38.324	369	Water Supply Communist, Jamoat Tugalang	1987	Jamoat Tugalang	Jamoat Tugalang	1: Vakhsh Conduit		1: Working	by gravity	1: Throughout the year		
32	18	R-15	01/10/2007	Kolkhozobod	Tugalan	Engels	Ruziev R.	37° 33.369	068°39.777	387	Water Supply Engels of Jamoat Tugalang	1987	Jamoat Tugalang	Jamoat Tugalang	1: Vakhsh Conduit		2: Out of working				
33	19	R-30	28/09/2007	Kolkhozobod	Tugalan	Galaba	Ruziev R.	37° 35.848	068°39.277	370	Water Supply Galaba, Jamoat Tugalang	1987	Jamoat Tugalang	Jamoat Tugalang	1: Vakhsh Conduit		2: Out of working				
34	20	R-33	27/09/2007	Kolkhozobod	Tugalan	Isoev	Ruziev R.	37° 37.806	068°39.729	371	Water Supply Isoev	1987	Vodokanal	Vodokanal	1: Vakhsh Conduit		1: Working	partially (30%)	1: Throughout the year		
35	21	R-01	28/09/2007	Kolkhozobod	Tugalan	Jomi	Ruziev R.	37° 36.314	068°38.384	384	Water Supply Jomi, Jamoat Tugalang	1987	Jamoat Tugalang	Jamoat Tugalang	1: Vakhsh Conduit		2: Out of working				
36	22	R-16	01/10/2007	Kolkhozobod	Tugalan	Khlopkorob	Ruziev R.	37° 36.914	068°38.342	369	Water Supply Khlopkorob	1978	Jamoat Tugalang	Jamoat Tugalang	1: Vakhsh Conduit		1: Working	partially (50%)	1: Throughout the year		

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Serial No.	File No.	WSS ID		A-1	A-2	A-3					A-4	A-5	A-6	A-7	A-8		A-9		A-9-1		
								Coordinates (Center of Village)											If Working		
			Date	Name of Rayon	Name of Jamoat	Name of Village	Name of Interviwer	Latitude N	Longitude E	Altitude (m)	Name of Water Supply System	Year of Construction	Owner of Water Supply System	Name of Operator	Water Source		Operating Condition	Remarks	Working Period	If Seasonal (period and months)	If seasonal, what is the reason?
37	23	R-17	28/09/2007	Kolkhozobod	Tugalan	Kirov	Ruziev R.	37° 38.910	068°37.341	374	Water Supply Kirov from the bore hole 5 to Main pipe line	1978	MM and VR TR	KUMO	2: Groundwater		1: Working				
38	24	R-18	29/09/2007	Kolkhozobod	Tugalan	Lenin	Ruziev R.	37° 38.914	068°38.343	368	Water Supply Lenin, Jamoat Tugalang	1978	Jamoat Tugalang	Jamoat Tugalang	1: Vakhsh Conduit		1: Working		1: Throughout the year		
39	25	R-19	29/09/2007	Kolkhozobod	Tugalan	Leningrad	Ruziev R.	37° 33.027	068°39.376	375	Water Supply Leningrad Jamoat Tugalang	1987	Jamoat Tugalang	Jamoat Tugalang	1: Vakhsh Conduit	3: Irrigation canal	2: Out of working				
40	26	R-20	22/09/2007	Kolkhozobod	Tugalan	Pyatiletka	Ruziev R.	37° 36.295	068°38.693	370	Water Supply Pyatiletka of Jamoat Tugalang	1987	Jamoat Tugalang	Jamoat Tugalang	3: Irrigation canal		2: Out of working				
41	27	R-34	01/10/2007	Kolkhozobod	Tugalan	Shakhtiyor	Ruziev R.	37° 33.365	068°38.775	375	Water Supply Shakhtiyor of Jamoat Tugalang	1987	Jamoat Tugalang	Jamoat Tugalang	1: Vakhsh Conduit	3: Irrigation canal	2: Out of working				
42	28	R-21	28/09/2007	Kolkhozobod	Tugalan	Yosh-Leninchi	Ruziev R.	37° 36.295	068°38.890	365	Water Supply Yosh-Lninchi (From bore hole 4 to main pipe-line)	1978	KhREY	KhREY	2: Groundwater		1: Working		1: Throughout the year		

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Serial No.	File No.	WSS ID		A-1	A-2	A-3					A-4	A-5	A-6	A-7	A-8		A-9		A-9-1		
								Coordinates (Center of Village)											If Working		
			Date	Name of Rayon	Name of Jamoat	Name of Village	Name of Interviwer	Latitude N	Longitude E	Altitude (m)	Name of Water Supply System	Year of Construction	Owner of Water Supply System	Name of Operator	Water Source		Operating Condition	Remarks	Working Period	If Seasonal (period and months)	If seasonal, what is the reason?
43	29	R-02	01/10/2007	Kolkhozobod	Uzun	Ittifoq-1	Ruziev R.	37° 39.502	068°36.848	369	Water Supply Ittifoq-1	1974	Kolkhoz S. Jumaev	Kolkhoz S. Jumaev	1: Vakhsh Conduit		1: Working		1: Throughout the year		
44	30	R-23	01/10/2007	Kolkhozobod	Uzun	Ittifoq-2	Ruziev R.	37° 39.502	068°36.848	363	Water Supply Ittifoq Kolkhoz Jumaev	2001	Kolkhoz S. Jumaev	Kolkhoz S. Jumaev	1: Vakhsh Conduit		2: Out of working				
45	31	R-22	02/10/2007	Kolkhozobod	Uzun	Ittifoq-3	Safarov S.	37° 30.502	068°36.848	360	Water intake installation Uzun 1	1962	RWSA	RWSA	2: Groundwater		1: Working	partially (50%)	1: Throughout the year		
46	32	R-24	02/10/2007	Kolkhozobod	Uzun	K. Marks	Ruziev R.	37° 38.450	068°35.400	366	Water Supply K. Marks	1987	Jamoat Uzum	Jamoat Uzum	1: Vakhsh Conduit		1: Working	partially	1: Throughout the year		
47	33	R-39	02/10/2007	Kolkhozobod	Uzun	Mehnatobod	Safarov S.	37° 39.503	068°36.848	367	Water Supply Mehnatobod Jamoat Uzun from Kolkhoz S. Jumaev	1988	Kolkhoz S. Jumaev	Kolkhoz S. Jumaev	1: Vakhsh Conduit		1: Working	partially	1: Throughout the year		
48	34	R-03	24/09/2007	Kolkhozobod	Uzun	Pakhtaaral	Ruziev R.	37° 39.502	068°36.848	367	Water Supply Pakhtaaral	1976	Kolkhoz S. Jumaev	Kolkhoz S. Jumaev	1: Vakhsh Conduit		1: Working	partially	1: Throughout the year		

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Serial No.	File No.	WSS ID	Date	A-1 Name of Rayon	A-2 Name of Jamoat	A-3 Name of Village	A-3 Name of Interviwer	A-3 Coordinates (Center of Village) Latitude N	Longitude E	Altitude (m)	A-4 Name of Water Supply System	A-5 Year of Construction	A-6 Owner of Water Supply System	A-7 Name of Operator	A-8 Water Source		A-9 Operating Condition	Remarks	A-9-1 If Working: Working Period	If Seasonal (period and months)	If seasonal, what is the reason?
49	35	R-36	02/10/2007	Kolkhozobod	Uzun	Pakhtaobod	Ruziev R.	37° 39.502	068°36.848	367	Water Supply Pakhtaobod Jamoat Uzun	1986	Jamoat Uzun kolkhoz Jumaev	Jamoat Uzun kolkhoz Jumaev	1: Vakhsh Conduit		1: Working	partially	1: Throughout the year		
50	36	R-25	03/10/2007	Kolkhozobod	Uzun	Pravda	Ruziev R.	37° 39.502	068°36.848	669	Water Supply Pravda Kolkhoz S. Jumaev	1978	Kolkhoz S. Jumaev	Kolkhoz S. Jumaev	1: Vakhsh Conduit		1: Working	partially	1: Throughout the year		
51	37	R-35	03/10/2007	Kolkhozobod	Uzun	Sanoat	Ruziev R.	37° 39.502	068°36.848	667	Water Supply Sanoat	1988	Kolkhoz S. Jumaev	Kolkhoz S. Jumaev	1: Vakhsh Conduit		1: Working	partially	1: Throughout the year		
52	38	R-31	03/10/2007	Kolkhozobod	Uzun	Uzun	Safarov S.	37° 39.502	068°36.848	365	Water Supply constructions Uzun 2	1974	RSWA	RSWA	1: Vakhsh Conduit	2: Groundwater	1: Working	partially (50%)	1: Throughout the year		

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Serial No.	File No.	WSS ID	Date	A-1 Name of Rayon	A-2 Name of Jamoat	A-3 Name of Village	A-3 Name of Interviwer	A-3 Coordinates (Center of Village) Latitude N	Longitude E	Altitude (m)	A-4 Name of Water Supply System	A-5 Year of Construction	A-6 Owner of Water Supply System	A-7 Name of Operator	A-8 Water Source		A-9 Operating Condition	Remarks	A-9-1 If Working: Working Period	If Seasonal (period and months)	If seasonal, what is the reason?
53	39	R-26	26/09/2007	Kolkhozobod	Kalinin	Zonalnaya, Kalenina	Ruziev R.	37° 30.001	068°36.634	385	Water Supply the construction village Kalenina`	1986	Kolkhoz 40 year Oktyabr	Kolkhoz 40 year Oktyabr	1: Vakhsh Conduit		2: Out of working				
54	1	J-02	11/10/2007	Dzhilikul	Dzhilikul	Badakhshon	Ruziev R.	37° 30.686	068°32.235	355	Vodokanal	1986	Vodokanal	Vodokanal	1: Vakhsh Conduit		2: Out of working				
55	2	J-01	07/10/2007	Dzhilikul	Dehkonobod	Agronomy	Ruziev R.	37° 31.506	068°32.690	355	Water Supply Agronomy village of Jamoat Dehkanabad	1990	Kolkhoz Fayzaly Said	Kolkhoz Fayzaly Said	1: Vakhsh Conduit		1: Working	partially (50%)	1: Throughout the year		
56	3	J-03	08/10/2007	Dzhilikul	Dehkonobod	Kirov	Ruziev R.	37° 34.651	068°34.608	362	Water Supply Kirov village ofJamoat Dehkanabad	1990	Moskva Sovkhoz, Dehkanabad Jamoat	Moskva Sovkhoz, Dehkanabad Jamoat	1: Vakhsh Conduit		1: Working	partially (50%)	1: Throughout the year		
57	4	J-04	09/10/2007	Dzhilikul	Dehkonobod	Moskva	Ruziev R.	37° 34.651	068°34.600	363	Water Supply of Moskva village of Dehkanabad Jamoat	1991	Moskva Sovkhoz of Dehkanabad Jamoat	Moskva Sovkhoz of Dehkanabad Jamoat	1: Vakhsh Conduit		1: Working	partially (50%)	1: Throughout the year		
58	5	J-05	08/10/2007	Dzhilikul	Dehkonobod	Kuybeshev	Ruziev R.	37° 30.099	068°32.130	350	Water Supply of Kuybeshev village, Jamoat Dehkanabad	1990	Fayzaly Said kolkhoz	Fayzaly Said kolkhoz	1: Vakhsh Conduit		1: Working	partially (50%)	1: Throughout the year		

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Serial No.	File No.	WSS ID	Date	A-1 Name of Rayon	A-2 Name of Jamoat	A-3 Name of Village	A-3 Name of Interviwer	A-3 Coordinates (Center of Village) Latitude N	Longitude E	Altitude (m)	A-4 Name of Water Supply System	A-5 Year of Construction	A-6 Owner of Water Supply System	A-7 Name of Operator	A-8 Water Source		A-9 Operating Condition	Remarks	A-9-1 If Working: Working Period	If Seasonal (period and months)	If seasonal, what is the reason?
59	6	J-06	06/10/2007	Dzhilikul	Dehkonobod	Ribhoz Surh	Abdulhaev Kh.	37° 31.560	068°32.690	355	Water Supply of Surh Ribhoz village	1976	Community of Dehkanabad Jamoat	Community of Dehkanabad Jamoat	1: Vakhsh Conduit		1: Working	partially (50%)	1: Throughout the year		
60	7	J-07	10/10/2007	Dzhilikul	Dehkonobod	Mirovoy	Ruziev R	37° 30.686	068°32.248	355	Water Supply of Mirovoy village	1988	Fayzaly Said kolkhoz	Fayzaly Said kolkhoz	1: Vakhsh Conduit		2: Out of working				
61	8	J-09	12/10/2007	Dzhilikul	Dzhilikul	Dzhilikul	Kilichov M.	37° 30.099	068°32.130	345	Vodokanal	1986	Vodokanal	Vodokanal	1: Vakhsh Conduit		1: Working	partially (50%)	1: Throughout the year		
62	9	J-10	13/10/2007	Dzhilikul	Dzhilikul	Galaba village of Kolhoz Sultonov	Ruziev R.	37° 33.220	068°31.400	348	Water-Supply of Galaba village of Jamoat Dzhilikul	1964	Vodokanal	Vodokanal	1: Vakhsh Conduit		2: Out of working				
63	10	J-08	13/10/2007	Dzhilikul	Kabodiyon	Kabodiyon	Ruziev R.	37° 33.220	068°31.400	348	Water Supply village Kabodiyon	1989	Jamoat Kabodiyon Dzhilikul district	Jamoat Kabodiyon Dzhilikul district	1: Vakhsh Conduit		2: Out of working				
64	11	J-11	11/10/2007	Dzhilikul	Dzhilikul	Leninobod	Ruziev R.	37° 31.560	068°32.690	355	Water Supply Leninobod	1966	Vodokanal	Vodokanal	1: Vakhsh Conduit		2: Out of working				
65	12	J-12	08/10/2007	Dzhilikul	Nuri Vakhsh	Eshbek Sattorov	Ruziev R.	37° 32.006	068°28.455	360	Water Supply Kolkhoz Eshbek Sattorov	1987	Kolkhoz Eshbek Sattorov	Kolkhoz Eshbek Sattarov	1: Vakhsh Conduit		2: Out of working				

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Serial No.	File No.	WSS ID		A-1	A-2	A-3					A-4	A-5	A-6	A-7	A-8		A-9		A-9-1		
								Coordinates (Center of Village)											If Working		
			Date	Name of Rayon	Name of Jamoat	Name of Village	Name of Interviwer	Latitude N	Longitude E	Altitude (m)	Name of Water Supply System	Year of Construction	Owner of Water Supply System	Name of Operator	Water Source		Operating Condition	Remarks	Working Period	If Seasonal (period and months)	If seasonal, what is the reason?
66	13	J-13	06/10/2007	Dzhilikul	Nuri Vakhsh	s/z Moskva s/z E. Sattorov	Ruziev R.	37° 32.006	068°28.455	360	Water Supply of s/z Moskva of s/z E. Sattorov	1987	RWSA	RWSA	1: Vakhsh Conduit		1: Working	partially (50%)	1: Throughout the year		
67	14	J-14	20/02/2008	Dzhilikul	Dzhilikul	Komintern	Rahmatov I.	37° 28.624	068°33.024	350	Public water to users village Comintern	1986	Public water to users village Comintern	Public water to users village Comintern	1: Vakhsh Conduit	2: Groundwater	2: Out of working				
68	1	N-03	16/11/2007	Nosiri-Khisrav	Firuza	Navruz of Sovkhoz No.5	Qurbonov S.	37° 17.302	068°02.560	397	Water Supply Navruz and Jamoat Muhammadiev	1974	RWSA	RWSA	2: Groundwater		1: Working		1: Throughout the year		
69	2	N-01	16/11/2007	Nosiri-Khisrav	Istiklol	44-Chashma "Oltinsoy"	Qurbonov S.	37° 17.295	068°02.550	395	Water Supply Nosiri-Khusrav ryon	1972	RWSA	RWSA	2: Groundwater		1: Working	partially (50%)	1: Throughout the year		
70	3	N-02	16/11/2007	Nosiri-Khisrav	Komsomol	Alla Ferma	Qurbonov S.	37° 18.370	068°03.705	375	Water Supply Alla Ferma	1985	RWSA	RWSA	2: Groundwater		2: Out of working				

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Serial No.	File No.	WSS ID	Date	A-1 Name of Rayon	A-2 Name of Jamoat	A-3 Name of Village	A-3 Name of Interviwer	A-3 Coordinates (Center of Village) Latitude N	Longitude E	Altitude (m)	A-4 Name of Water Supply System	A-5 Year of Construction	A-6 Owner of Water Supply System	A-7 Name of Operator	A-8 Water Source		A-9 Operating Condition	Remarks	A-9-1 If Working: Working Period	If Seasonal (period and months)	If seasonal, what is the reason?
71	1	P-15	30/10/2007	Pyandzh	Arab	Burka	Ruziev R	37° 13.680	069°09.001	363	Water Supply Burka	1965	Jamoat Arab	Jamoat Arab	2: Groundwater		2: Out of working				
72	2	P-05	29/10/2007	Pyandzh	Arab	Komsomol	Ruziev R	37° 12.321	069°07.816	361	Water Supply Komsomol Kolkhoz Pravda	1972	Jamoat Arab	Jamoat Arab	2: Groundwater		2: Out of working				
73	3	P-02	30/10/2007	Pyandzh	Arab	Orjonikidze	Ruziev R	37° 12.673	069°10.775	372	Water Supply Orjonikidze	1965	Jamoat Arab	Jamoat Arab	2: Groundwater		2: Out of working				
74	4	P-06	01/11/2007	Pyandzh	Kuldimon	Pakhtakor	Abdusattorov A	37° 17.320	069°03.733	344	Water Supply Pakhtakor	1965	Jamoat Kuldeman	Jamoat Kuldeman	2: Groundwater		2: Out of working				
75	5	P-09	02/11/2007	Pyandzh	Namuna	Uchastok-4, Zarbdor, Kudukly	Ruziev R	37° 18.756	069°33.332	338	Emomaly Rahmonov	1973	E. Rahmonov of Jamoat Namuna		2: Groundwater		2: Out of working				
76	6	P-03	02/11/2007	Pyandzh	Namuna	Peshqadam 1 and 2	Ruziev R	37° 19.913	069°02.312	345	Water Supply Jamoat Namuna	1965	Jamoat Namuna	Jamoat Namuna	2: Groundwater		1: Working		1: Throughout the year		

Water Supply System Data Base

Serial No.	File No.	WSS ID		A-1	A-2	A-3					A-4	A-5	A-6	A-7	A-8		A-9		A-9-1		
								Coordinates (Center of Village)											If Working		
			Date	Name of Rayon	Name of Jamoat	Name of Village	Name of Interviwer	Latitude N	Longitude E	Altitude (m)	Name of Water Supply System	Year of Construction	Owner of Water Supply System	Name of Operator	Water Source		Operating Condition	Remarks	Working Period	If Seasonal (period and months)	If seasonal, what is the reason?
77	7	P-04	01/11/2007	Pyandzh	city Pyandzh	Pyandzh	Ruziev R	37°13.557	069°06.265	357	Water Supply PGT Pyandzh	1958	Water-supply Pyanjkogo region	Water-supply Pyanjkogo region	2: Groundwater		1: Working		1: Throughout the year		
78	8	P-07	03/11/2007	Pyandzh	Tugul	Territory School No.5	Ruziev R	37° 10.720	069°10.732	371	Water Supply Jamoat Tugul and School No.5	1965	Jamoat Tugul	Jamoat Tugul	2: Groundwater		1: Working		1: Throughout the year		
79	9	P-08	05/11/2007	Pyandzh	Sarmantoy	Dzerjinsky-1	Ruziev R.	37° 18.009	069°08.194	354	Water Supply population Dzerjinsky-1	1963	RWSA	RWSA	2: Groundwater	3: Irrigation canal	1: Working	partially (30%)	1: Throughout the year		
80	10	P-10	05/11/2007	Pyandzh	Sarmantoy	Dzerjinsky-2	Ruziev R.	37° 18.009	069°08.194	354	Water Supply population Dzerjinsky-2	1963	RWSA	RWSA	2: Groundwater	3: Irrigation canal	1: Working	partially (50%)	1: Throughout the year		
81	11	P-13	03/11/2007	Pyandzh	Sarmantoy	Sarmantoy	Abdulhaev A.	37° 16.013	069°07.140	347	Water Supply Sarmantoy	1973	Jamoat Sarmantoy	Jamoat Sarmantoy	2: Groundwater		2: Out of working				

Water Supply System Data Base

Serial No.	File No.	WSS ID	Date	A-1 Name of Rayon	A-2 Name of Jamoat	A-3 Name of Village	A-3 Name of Interviwer	A-3 Coordinates (Center of Village) Latitude N	Longitude E	Altitude (m)	A-4 Name of Water Supply System	A-5 Year of Construction	A-6 Owner of Water Supply System	A-7 Name of Operator	A-8 Water Source		A-9 Operating Condition	Remarks	A-9-1 If Working: Working Period	If Seasonal (period and months)	If seasonal, what is the reason?
82	12	P-16	05/11/2007	Pyandzh	Sarmantoy	Kuibeshev	Ruziev R.	37° 13.230	069°07.132	344	Water Supply Kuibeshev	1965	Jamoat Sarmantoy	Jamoat Sarmantoy	2: Groundwater		2: Out of working				
83	13	P-11	06/11/2007	Pyandzh	Tugul	Guliston	Ruziev R.	37° 11.246	069°11.604	366	Water Supply Guliston	1965	Jamoat Tugul	Jamoat Tugul	2: Groundwater		2: Out of working				
84	14	P-01	29/10/2007	Pyandzh	Tugul	Area Tugul	Ruziev R.	37° 10.699	069°10.264	373	Water Supply Jamoat Tugul area Gulobod	1965	Jamoat Tugul	Jamoat Tugul	2: Groundwater		2: Out of working				
85	15	P-14	06/11/2007	Pyandzh	Tugul	M. Gorky	Ruziev R.	37° 09.603	069°11.433	379	Water Supply M. Gorky	1964	Jamoat Tugul	Jamoat Tugul	2: Groundwater		2: Out of working				
86	16	P-12	06/11/2007	Pyandzh	Tugul	Shakardasht	Ruziev R.	37° 10.411	069°11.598	383	Water Supply Shakardasht	1965	Jamoat Tugul	Jamoat Tugul	2: Groundwater		2: Out of working				
87	1	Q-01	11/10/2007	Kumsangir	Dusti	1-Area	Hasanov T	37° 21.435	068°48.577	382	Vodokanal Dusti	1973	GUP HMK Vodokanal Dusti	Vodokanal Dusti	1: Vakhsh Conduit	3: Irrigation canal	1: Working	partially (40%)	1: Throughout the year		
88	2	Q-02	09/10/2007	Kumsangir	Krupsky	50 let		37° 27.204	068°38.422	390	Water Supply 50 let	1985	Kumsangir «RWWS»	Kumsangir «RWWS»	1: Vakhsh Conduit		2: Out of working				

Water Supply System Data Base

Serial No.	File No.	WSS ID	Data	A-1 Name of Rayon	A-2 Name of Jamoat	A-3 Name of Village	A-3 Name of Interviwer	A-3 Coordinates (Center of Village) Latitude N	Longitude E	Altitude (m)	A-4 Name of Water Supply System	A-5 Year of Construction	A-6 Owner of Water Supply System	A-7 Name of Operator	A-8 Water Source		A-9 Operating Condition	Remarks	A-9-1 If Working: Working Period	If Seasonal (period and months)	If seasonal, what is the reason?
89	3	Q-06	18/10/2007	Kumsangir	Krupsky	Udarnik	Malaev A.	37° 28.636	068°38.182	383	Water Supply Udarnik	1987	Kumsangir «RWWS»	Kumsangir «RWWS»	1: Vakhsh Conduit		2: Out of working				
90	4	Q-03	09/10/2007	Kumsangir	Krupsky	Kizil-Nishon	Malaev A	37° 21.279	068°41.449	384	Water Supply Kizil-Nishon	1986	Kumsangir «RWWS»	Kumsangir «RWWS»	1: Vakhsh Conduit		2: Out of working				
91	5	Q-07	10/10/2007	Kumsangir	Krupsky	Madaniyat	Malaev A	37° 27.204	068°38.422	390	Water Supply System Madaniyat	1985	Kumsangir «RWWS»	Kumsangir «RWWS»	1: Vakhsh Conduit		2: Out of working				
92	6	Q-08	10/10/2007	Kumsangir	Pyanj	8 village, 5 village	Ruziev R	37° 17.995	068°44.280	370	Water Supply 5 village	1972	Kumsangir Vodokanal	Kumsangir Vodokanal	3: Irrigation canal		2: Out of working				
93	7	Q-04	11/10/2007	Kumsangir	Pyanj	Kolkhoz Lenin	Ruziev R	37° 20.831	068°42.208	380	Water Supply Kolkhoz Lenin Kumsangir Ryon	1987	Kolkhoz Lenin	Kolkhoz Lenin	1: Vakhsh Conduit		2: Out of working				

Water Supply System Data Base

Serial No.	File No.	WSS ID	Date	A-1 Name of Rayon	A-2 Name of Jamoat	A-3 Name of Village	A-3 Name of Interviwer	A-3 Coordinates (Center of Village) Latitude N	Longitude E	Altitude (m)	A-4 Name of Water Supply System	A-5 Year of Construction	A-6 Owner of Water Supply System	A-7 Name of Operator	A-8 Water Source		A-9 Operating Condition	Remarks	A-9-1 If Working: Working Period	If Seasonal (period and months)	If seasonal, what is the reason?
94	8	Q-05	10/10/2007	Kumsangir	Telman	7th Village	Ruziev R	37° 24.636	068°39.820	378	Water Supply 7th village of Jamoat Telman	1988	Kumsangir «RWWS»	Kumsangir «RWWS»	1: Vakhsh Conduit		2: Out of working				
95	1	S-03	13/11/2007	Shakhritus	Jura Nazarov	Alvoj	Ruziev R	38° 58.934	068°01.855	313	Water Supply Alvoj	1977	Jamoat Jura Nazarov	Jamoat Jura Nazarov	2: Groundwater		1: Working		1: Throughout the year		
96	2	S-07	14/11/2007	Shakhritus	Obshoron and Kholmatov	Stroiteley	Qurbonov S.	37° 15.914	068°06.945	359	Water Supply Stroiteley	1961	UVK Shakhritus	UVK Shakhritus	2: Groundwater		1: Working	partially (30%)	1: Throughout the year		
97	3	S-02	16/11/2007	Shakhritus	Obshoron	Rudaki	Qurbonov S.	37° 15.100	068°08.105	353	Water Supply Rudaki	1988	Jamoat Obshoron	Jamoat Obshoron	2: Groundwater		2: Out of working				
98	4	S-04	16/11/2007	Shakhritus	Obshoron	Vatan	Valiev M.	37° 14.100	068°05.120	354	Water Supply Kolkhoz Vatan	1983	Jamoat Obshoron	Jamoat Obshoron	2: Groundwater		1: Working	partially (35%)	1: Throughout the year		
99	5	S-09	13/11/2007	Shakhritus	Obshoron	Binokor	Qurbonov S.	37° 19.290	068°06.945	363	Water Supply Binokor	1988	Jamoat Obshoron	Jamoat Obshoron	2: Groundwater		1: Working	partially (30%)	1: Throughout the year		
100	6	S-05	15/11/2007	Shakhritus	Pakhtaobod	Sultanabod	Qurbonov S.	37° 23.235	068°08.235	389	Water Supply Sultanabod	1974	Jamoat Pakhtaobod	Jamoat Pakhtaobod	2: Groundwater		2: Out of working				
101	7	S-08	15/11/2007	Shakhritus	Sayod	Kizil Askar	Qurbonov S.	37° 12.823	068°08.409	339	Water Supply Kizil Askar	1985	Jamoat Sayod	Jamoat Sayod	2: Groundwater		1: Working		1: Throughout the year		

Water Supply System Data Base

Serial No.	File No.	WSS ID		A-1	A-2	A-3					A-4	A-5	A-6	A-7	A-8		A-9		A-9-1		
								Coordinates (Center of Village)											If Working		
			Date	Name of Rayon	Name of Jamoat	Name of Village	Name of Interviwer	Latitude N	Longitude E	Altitude (m)	Name of Water Supply System	Year of Construction	Owner of Water Supply System	Name of Operator	Water Source		Operating Condition	Remarks	Working Period	If Seasonal (period and months)	If seasonal, what is the reason?
102	8	S-10	17/11/2007	Shakhritus	Sayod	Sayod	Shodimurod	37° 12.595	068°08.264	339	Water Supply Sayod	1985	Jamoat Sayod	Jamoat Sayod	2: Groundwater		1: Working		1: Throughout the year		
103	9	S-01	13/11/2007	Shakhritus	Shakhritus	Karl Marks	Ruziev R	37° 15.882	068°08.307	356	Water Supply Karl Marks	1974	Jamoat Shakhritus	Jamoat Shakhritus	2: Groundwater		1: Working		1: Throughout the year		
104	10	S-06	15/11/2007	Shakhritus	Shakhritus	PGT Shakhritus	Qurbonov S.	37° 15.882	068°08.307	356	Water Supply Shakhritus	1960	UVK	GUP "KhMK"	2: Groundwater		1: Working	partially (50%)	1: Throughout the year		
105	1	V-01	22/10/2007	Vakhsh	Ok Goza	Peshkadam, Buston	Ruziev R	37° 40.009	068°49.756	416	Vahshskoe between economic pluming Jamoat Ok Goza	1986	Jamoat Ok Goza	Jamoat Ok Goza	3: Irrigation canal		2: Out of working				
106	2	V-05	26/10/2007	Vakhsh	Kirov	Oq-Gaza, Yangi-Ariq, Kizil-Soy, Yangi-Hayot, Yangi-Yor, Shar-shara	Qurbonov S.	37° 48.317	068°52.694	434	Water Supply Sovkhoz Turdiev the 3rd branches	1991	Jamoat Kirov and RWSA	Jamoat Kirov and RWSA	3: Irrigation canal		1: Working		1: Throughout the year		
107	3	V-02	22/10/2007	Vakhsh	Kirov	Hosilobod, Navobod, Botrobod	Qurbonov S.	37° 48.317	068°52.694	434	Water Supply Jamoat Kirov	1987	Jamoat Kirov	Sovkhoz S. Turdiev	3: Irrigation canal		2: Out of working				
108	4	V-03	23/10/2007	Vakhsh	Kirov	Kirov-1, 8-Mart, Shurteppa	Qurbonov S.	37° 48.317	068°52.694	434	Water Supply Jamoat Kirov 1-branch	1987	Jamoat Kirov	Sovkhoz S. Turdiev	3: Irrigation canal		2: Out of working				
109	5	V-04	25/10/2007	Vakhsh	Kirov	Lenin, Ruzobod, Mardotsoy	Qurbonov S.	37° 48.655	068°50.118	411	Water Supply Jamoat Kirov village Lenin, Ruzobod and Mardotsoy	1991	RWSA	RWSA	3: Irrigation canal		2: Out of working				
110	6	V-06	23/10/2007	Vakhsh	Ok Goza	Angurbog, 50 years Komsomol	Qurbonov S.	37° 40.099	068°49.765	416	Water Supply Jamoat Ok Goza	1986	Jamoat Oqqoza	Jamoat Oqqoza	3: Irrigation canal		2: Out of working				
111	7	V-07	24/10/2007	Vakhsh	Ok Goza	Sovetobod, Internacional, Chkalov, Pakhtakor	Qurbonov S.	37° 40.099	068°49.765	416	Water Supply Jamoat Ok Goza	1986	RWSA	RWSA	3: Irrigation canal		2: Out of working				
112	8	V-08	25/10/2007	Vakhsh	Rohi Lenin	Dusti, Rudaki, Chapeav	Qurbonov S.	37° 45.553	068°52.144	447	Water Supply Jamoat Rohi Lenin	1986	RWSA	RWSA	3: Irrigation canal		2: Out of working				
113	9	V-09	27/10/2007	Vakhsh	Vakhsh	PGT Vakhsh	Qurbonov S.	37° 42.855	068°51.132	436	Water Supply PGT Vakhsh	1979	RWSA	RWSA	1: Vakhsh Conduit		2: Out of working				

Water Supply System Data Base

Serial No.	File No.	WSS ID		A-1	A-2	A-3					A-4	A-5	A-6	A-7	A-8		A-9		A-9-1		
								Coordinates (Center of Village)											If Working		
			Date	Name of Rayon	Name of Jamoat	Name of Village	Name of Interviwer	Latitude N	Longitude E	Altitude (m)	Name of Water Supply System	Year of Construction	Owner of Water Supply System	Name of Operator	Water Source		Operating Condition	Remarks	Working Period	If Seasonal (period and months)	If seasonal, what is the reason?
114	10	V-10	28/10/2007	Vakhsh	Yangiobod	Sovkhoz Vakhsh	Qurbonov S.	37° 41.154	068°52.152	412	Water Supply Sovkhoz Vakhsh	1986	RWSA	RWSA	3: Irrigation canal		2: Out of working				
115	11	V-12	16/02/2008	Vakhsh	Tojikobod	MChS (Military base of Ministry on exceeding event)	Abdurahimov A	37° 46.185	068°43.032	394	Water Supply Military base of Ministry on exceeding event	2000	Ministry on exceeding event	Ministry on exceeding event	1: Vakhsh Conduit		1: Working		1: Throughout the year		
116	12	V-14	14/02/208	Vakhsh	Tojikobod	Navobod	Zoirov J.	37° 44.960	068°43.505	390	Water Supply Navobod	1980	Jamoat Tojikobod	Jamoat Tojikobod	1: Vakhsh Conduit		1: Working		1: Throughout the year		
117	13	V-13	13/02/2008	Vakhsh	Tojikobod	Pakhtakor	Abdurahimov A	37° 46.501	068°47.613	421	Water Supply Pakhtakor	1987	Jamoat Tojikobod	Jamoat Tojikobod	1: Vakhsh Conduit		1: Working		1: Throughout the year		
118	14	V-11	12/02/2008	Vakhsh	Tojikobod	Zarkhez	Zoirov J	37° 48.859	068°46.644	410	Water Supply Zarkhez	1987	Jamoat Tojikobod	Jamoat Tojikobod	1: Vakhsh Conduit		1: Working		1: Throughout the year		
119	15	V-15	15/02/1008	Vakhsh	Tojikobod	Sohtmon	Abdurahimov A	37° 48.183	068°45.552	413	Water Supply c/f S. Jumaev	1980	Jamoat Tojikobod	Jamoat Tojikobod	1: Vakhsh Conduit		2: Out of working				

Water Supply System Data Base

A. Water Supply System																									
			A-9-1-1			A-9-1-2		(name of village or Sokhtoz/ Kolvoz, and population served)																	
			Average Water Supply			Service Hours			(1)		(2)		(3)		(4)		(5)		(6)		(7)		(8)		
Serial No.	File No.	WSS ID	Average water supply (m^3/day)	Maximum daily water supply (m^3/day)	Maximum hourly water supply (m^3/hour)	Time	hours/day	Total Population Served	Village	Population	Village	Population	Village	Population	Village	Population	Village	Population	Village	Population	Village	Population	Village	Population	
1	1	K-10						20739	Dakki	3274	Telman	2490	Frunze	2330	Pakhtakor	2470	Lenin	1400	Beshtemir	3755	Sangoba	2500	Okhunboboev	1070	
2	2	K-08	400	600	40	6:00 - 11:00 17:00 - 22:00	10	2844	Chkalov	2844															
3	3	K-03	400	600	25	6:00 - 11:00 17:00 - 22:00	10	3229	Kizil-Ittifoq	3229															
4	4	K-09						17564	Kabla	6180	Boshkala	6874	Chapary 1	3200	Chapary 2	1310									
5	5	K-12						11202	Ziraki	4413	Chorbog	6789													
6	6	K-02						3618	Yangi-Yul	3618															
7	7	K-05	100	200	10	6:00 - 11:00 17:00 - 22:00	10	820	Navruz	820															

Water Supply System Data Base

A. Water Supply System																										
Serial No.	File No.	WSS ID	A-9-1-1 Average Water Supply			A-9-1-2 Service Hours		(name of village or Sokhtoz/ Kolvoz, and population served)																		
									(1)		(2)		(3)		(4)		(5)		(6)		(7)		(8)	
			Average water supply (m^3/day)	Maximum daily water supply (m^3/day)	Maximum hourly water supply (m^3/hour)	Time	hours/day	Total Population Served	Village	Population	Village	Population	Village	Population	Village	Population	Village	Population	Village	Population	Village	Population	Village	Population
8	8	K-01	650	1300	85	6:00 - 11:00 17:00 - 22:00	10	3170	Lenin	750	J. Azizov	620	Sino	330	Tursunzoda	380	Gagarin	240	Binol	330	Javoni	520		
9	9	K-14						1450	Kizil-Kuch	1450														
10	10	K-06	100	150	10	6:00 - 11:00 17:00 - 22:00	10	3044	Chimgily	2660	Chinor-tugay	384												
11	11	K-04						1860	Hayoty nav	1410	Ferma-1	240	Ferma-2	210										
12	12	K-13						2129	Kalinin	1589	Navobod	540												
13	13	K-11						3816	Bolshevik	3816														
14	14	K-07						3917	Jarkurgan	3917														
15	1	R-37				10:00-22:00	12	2800	Mira	2800														

Water Supply System Data Base

A. Water Supply System

Serial No.	File No.	WSS ID	A-9-1-1 Average Water Supply			A-9-1-2 Service Hours		(name of village or Sokhoz/ Kolvoz, and population served)															
									(1)		(2)		(3)		(4)		(5)		(6)		(7)		(8)	
			Average water supply (m^3/day)	Maximum daily water supply (m^3/day)	Maximum hourly water supply (m^3/hour)	Time	hours/day	Total Population Served	Village	Population	Village	Population	Village	Population	Village	Population	Village	Population	Village	Population	Village	Population	Village	Population
16	2	R-06	50	100	4.1	10:00-22:00	12	1800	Central district hospital	1800														
17	3	R-04	400	600	40	10:00-22:0	12	2800	Kazakhs	2800														
18	4	R-05	500	1000	41	6:00-11:00, 17:00-22:00	10	8000	Isaeva	8000														
19	5	R-38	150	300	30	10:00-22:00	12	2800	Sovet	2800														
20	6	R-32	200	400	33	8:00-20:00	12	1800	Khlopzavod-Pivzavod	1800														
21	7	R-07						3200	40 year Oktyabr	3200														

Water Supply System Data Base

A. Water Supply System																											
Serial No.	File No.	WSS ID	A-9-1-1			A-9-1-2		(name of village or Sokhfoz/ Kolvoz, and population served)																			
			Average Water Supply			Service Hours			(1)		(2)		(3)		(4)		(5)		(6)		(7)		(8)				
			Average water supply (m^3/day)	Maximum daily water supply (m^3/day)	Maximum hourly water supply (m^3/hour)	Time	hours/day	Total Population Served	Village	Population	Village	Population	Village	Population	Village	Population	Village	Population	Village	Population	Village	Population	Village	Population	Village	Population		
22	8	R-08	1600	3200	320	6:00-8:00, 18:00-21:00	5	32000	Kumsangir Rayon	32000																	
23	9	R-09						2854	Uzbekobod	2854																	
24	10	R-27	200	500	41	10:00-22:00	12	1200	Esanqulov	1200																	
25	11	R-10	100	150	12.5	10:00-22:00	12	1202	Kizil-Baurak	1202																	
26	12	R-11	80	120	10	10:00-22:00	12	2800	JD Station	2800																	
27	13	R-13						714	Kizil Namuna	714																	
28	14	R-14						2274	Andreeva	2274																	

Water Supply System Data Base

A. Water Supply System																									
Serial No.	File No.	WSS ID	A-9-1-1 Average Water Supply			A-9-1-2 Service Hours		(name of village or Sokhoz/ Kolvoz, and population served)																	
									(1)		(2)		(3)		(4)		(5)		(6)		(7)		(8)	
			Average water supply (m^3/day)	Maximum daily water supply (m^3/day)	Maximum hourly water supply (m^3/hour)	Time	hours/day	Total Population Served	Village	Population	Village	Population	Village	Population	Village	Population	Village	Population	Village	Population	Village	Population	Village	Population	Village	Population
29	15	R-28	240	300	12.5	all day long	24	5510	Chapaev	2168	Communism	1705	Komsomol	1637											
30	16	R-12	40	100	8	10:00-22:00	12	1300	Urtabuz	1300															
31	17	R-29	50	80	6.6	10:00-22:00	12	4862	Communist	1520	Maxim Gorky	3342													
32	18	R-15						2500	Engels	2500															
33	19	R-30						1100	Galaba	1100															
34	20	R-33	150	300	25	10:00-22:00	12	1100	Isoev	1100															
35	21	R-01						2497	Jomi	2497															
36	22	R-16	50	100	4.16	10:00-22:00	12	590	Khlopkorob	590															

Water Supply System Data Base

A. Water Supply System																									
Serial No.	File No.	WSS ID	A-9-1-1 Average Water Supply			A-9-1-2 Service Hours		(name of village or Sokhfoz/ Kolvoz, and population served)																	
									(1)		(2)		(3)		(4)		(5)		(6)		(7)		(8)	
			Average water supply (m^3/day)	Maximum daily water supply (m^3/day)	Maximum hourly water supply (m^3/hour)	Time	hours/day	Total Population Served	Village	Population	Village	Population	Village	Population	Village	Population	Village	Population	Village	Population	Village	Population	Village	Population	Village	Population
37	23	R-17	1200	2400	120	10:00-22:00	12	5000	Kirov	1500	PGT Isoev	3500													
38	24	R-18	80	120	12	8:00-18:00	12	1670	Lenin	1670															
39	25	R-19						3493	Leningrad	3493															
40	26	R-20						2791	Pyatiletka	2791															
41	27	R-34						1673	Shakhtiyor	1673															
42	28	R-21	1200	2400	120	8:00-11:00, 17:00-22:00	10	5000	Yosh-Lminchi	1800	PGT Isoev	3200													

Water Supply System Data Base

A. Water Supply System																									
Serial No.	File No.	WSS ID	A-9-1-1 Average Water Supply			A-9-1-2 Service Hours		(name of village or Sokhtoz/ Kolvoz, and population served)																	
									(1)		(2)		(3)		(4)		(5)		(6)		(7)		(8)	
			Average water supply (m^3/day)	Maximum daily water supply (m^3/day)	Maximum hourly water supply (m^3/hour)	Time	hours/day	Total Population Served	Village	Population	Village	Population	Village	Population	Village	Population	Village	Population	Village	Population	Village	Population	Village	Population	Village	Population
43	29	R-02	80	150	6.25	all day long		1300	Ittifoq-1	1300															
44	30	R-23						850	Ittifoq-2	850															
45	31	R-22	1200	2400	240	8:00-18:00	10	3966	Ittifoq-3	1117	Pakhtaobod	2063	Telman	806											
46	32	R-24	50	100	4.1	10:00-22:00	12	1300	K. Marks	1300															
47	33	R-39	150	300	30	8:00-18:00	10	748	Mehnatobod	748															
48	34	R-03	80	120	10	10:00-22:00	12	1800	Pakhtaaral	1800															

Water Supply System Data Base

A. Water Supply System																									
Serial No.	File No.	WSS ID	A-9-1-1			A-9-1-2		(name of village or Sokhoz/ Kolvoz, and population served)																	
			Average Water Supply			Service Hours			(1)		(2)		(3)		(4)		(5)		(6)		(7)		(8)		
			Average water supply (m^3/day)	Maximum daily water supply (m^3/day)	Maximum hourly water supply (m^3/hour)	Time	hours/day	Total Population Served	Village	Population	Village	Population	Village	Population	Village	Population	Village	Population	Village	Population	Village	Population	Village	Population	Village	Population
49	35	R-36						3700	Pakhtaobod	3700															
50	36	R-25	200	400	16.6	all day long		1593	Pravda	1593															
51	37	R-35	50	100	8	10:00-22:00	12	1832	Sanoat	1832															
52	38	R-31	15120	30240	1260	all day long		136000	Jaloliddin Rumi	68000	Jilliikul	32000	Qumsangir	36000											

Water Supply System Data Base

A. Water Supply System																										
Serial No.	File No.	WSS ID	A-9-1-1 Average Water Supply			A-9-1-2 Service Hours		(name of village or Sokhfoz/ Kolvoz, and population served)																		
			Average water supply (m^3/day)	Maximum daily water supply (m^3/day)	Maximum hourly water supply (m^3/hour)	Time	hours/day	Total Population Served	(1) Village	(1) Population	(2) Village	(2) Population	(3) Village	(3) Population	(4) Village	(4) Population	(5) Village	(5) Population	(6) Village	(6) Population	(7) Village	(7) Population	(8) Village	(8) Population
53	39	R-26						3142	Zonalnaya	1200	Kalelina	1942														
54	1	J-02						450	Badahshon	450																
55	2	J-01	50	80	0.8	10:00-22:00	12	1138	Agronomy	1138																
56	3	J-03	70	120	10	10:00-22:00	12	566	Kirov	566																
57	4	J-04	80	140	14	10:00-22:00	12	672	Moskva	672																
58	5	J-05	80	120	10	10:00-22:00	12	1837	Kuibeshev	1837																

Water Supply System Data Base

A. Water Supply System																										
			A-9-1-1			A-9-1-2			(name of village or Sokhfoz/ Kolvoz, and population served)																	
			Average Water Supply			Service Hours			(1)		(2)		(3)		(4)		(5)		(6)		(7)		(8)			
Serial No.	File No.	WSS ID	Average water supply (m^3/day)	Maximum daily water supply (m^3/day)	Maximum hourly water supply (m^3/hour)	Time	hours/day	Total Population Served	Village	Population	Village	Population	Village	Population	Village	Population	Village	Population	Village	Population	Village	Population	Village	Population		
59	6	J-06	50	100	8.3	10:00-22:00	12	670	Surh	670																
60	7	J-07						1897	Mirovoy	1897																
61	8	J-09	1200	2400	100	6:00-11:00, 18:00-21:00	8	4820	Ozhilikul	4820																
62	9	J-10						860	Gelaba	860																
63	10	J-08						4200	Kabodiyon	4200																
64	11	J-11						1700	Leninobod	1700																
65	12	J-12						3800	Eshbek Battorov	3800																

Water Supply System Data Base

A. Water Supply System																									
Serial No.	File No.	WSS ID	A-9-1-1			A-9-1-2		(name of village or Sokhtoz/ Kolvoz, and population served)																	
			Average Water Supply			Service Hours			(1)		(2)		(3)		(4)		(5)		(6)		(7)		(8)		
			Average water supply (m^3/day)	Maximum daily water supply (m^3/day)	Maximum hourly water supply (m^3/hour)	Time	hours/day	Total Population Served	Village	Population	Village	Population	Village	Population	Village	Population	Village	Population	Village	Population	Village	Population	Village	Population	Village	Population
66	13	J-13	250	500	20.8	10:00-22:00	12	9800	Sovkhoz Moskva	4560	Kolkhoz E. Sattorov	5240														
67	14	J-14						14930	Kamintern	1120	Besh Ariq	1540	Galaba	655	May	940	Kizil-Askar	750	Sovhoz	1725	Dzhilikul	8200				
68	1	N-03	400	800	40	8:00-20:00	12	1615	Navruz	1000	Jamoat Muhammadiev	615														
69	2	N-01	4300	8500	358	8:00-20:00	12	8500	Oltinsoy	1500	Olzu	2300	Traganov	1300	Bahor	3400										
70	3	N-02						520	Alla Ferma	520																

Water Supply System Data Base

A. Water Supply System																									
			A-9-1-1			A-9-1-2		(name of village or Sokhoz/ Kolvoz, and population served)																	
Serial No.	File No.	WSS ID	Average Water Supply			Service Hours		Total Population Served	(1)		(2)		(3)		(4)		(5)		(6)		(7)		(8)	
			Average water supply (m^3/day)	Maximum daily water supply (m^3/day)	Maximum hourly water supply (m^3/hour)	Time	hours/day		Village	Population	Village	Population	Village	Population	Village	Population	Village	Population	Village	Population	Village	Population	Village	Population
71	1	P-15						2800	Burka	2800															
72	2	P-05						5780	Komsomol	2200	Burka	1500	15-let	2080											
73	3	P-02						4000	Orjonikidze	4000															
74	4	P-06						6600	Pakhtakor	1500	Yozgan	1300	Deblan	1700	Karaboy	2100									
75	5	P-09						2500	Zarbdor	1500	Kudukly	1000													
76	6	P-03	400	600	40	6:00-11:00, 17:00-22:00	10	4200	Peshqadam 1	1200	Peshqadam 2	1400	Zarbdor	1600											

Water Supply System Data Base

A. Water Supply System																										
			A-9-1-1			A-9-1-2		(name of village or Sokhoz/ Kolvoz, and population served)																		
Serial No.	File No.	WSS ID	Average Water Supply			Service Hours			(1)		(2)		(3)		(4)		(5)		(6)		(7)		(8)	
			Average water supply (m^3/day)	Maximum daily water supply (m^3/day)	Maximum hourly water supply (m^3/hour)	Time	hours/day	Total Population Served	Village	Population	Village	Population	Village	Population	Village	Population	Village	Population	Village	Population	Village	Population	Village	Population	Village	Population
77	7	P-04	4800	9600		8:00-13:00	5	8860	Lenin	2150	Karl Marks	1820	Lohuti	756	50 years Pogranichnik	854	50 years Oktyabr	540	Sadovaya	910	Ayni	1350	Skverdnova	480
78	8	P-07	400	800	40	6:00-11:00, 17:00-22:00	10	2700	Tugut	1000	School No. 5	1700														
79	9	P-08	400	800	35	7:00-19:00	12	4500	Dzerjinsky-1	3500	Kelinchack	1000														
80	10	P-10	150	320	13.3	7:00-19:00	12	4500	Dzerjinsky-2	4500																
81	11	P-13						5900	Sarmantoy 1	2500	Sarmantoy 2	3400														

Water Supply System Data Base

A. Water Supply System																											
			A-9-1-1			A-9-1-2			(name of village or Sokhfoz/ Kolvoz, and population served)																		
			Average Water Supply			Service Hours			(1)		(2)		(3)		(4)		(5)		(6)		(7)		(8)				
Serial No.	File No.	WSS ID	Average water supply (m^3/day)	Maximum daily water supply (m^3/day)	Maximum hourly water supply (m^3/hour)	Time	hours/day	Total Population Served	Village	Population	Village	Population	Village	Population	Village	Population	Village	Population	Village	Population	Village	Population	Village	Population			
82	12	P-16						3500	Kulbeshev	3500																	
83	13	P-11						1533	Guliston	1533																	
84	14	P-01						5270	Gulobod	1686	Tugul	3584															
85	15	P-14						2058	M. Gorky	2058																	
86	16	P-12						2223	Shakardasht	2223																	
87	1	Q-01	1920	3840	320	6:00-9:00, 18:00-21:00	6	6601	1-Area	1250	Ayni	970	Firdavci	640	Somoni	1340	Kirov	1315	Jaborov	630	Chekhov	456					
88	2	Q-02						1112	50 let	1112																	

Water Supply System Data Base

A. Water Supply System																										
Serial No.	File No.	WSS ID	A-9-1-1 Average Water Supply			A-9-1-2 Service Hours		(name of village or Sokhtoz/ Kolvoz, and population served)																		
									(1)		(2)		(3)		(4)		(5)		(6)		(7)		(8)			
			Average water supply (m^3/day)	Maximum daily water supply (m^3/day)	Maximum hourly water supply (m^3/hour)	Time	hours/day	Total Population Served	Village	Population	Village	Population	Village	Population	Village	Population	Village	Population	Village	Population	Village	Population	Village	Population	Village	Population
89	3	Q-06						1534	Udarnik	1534																
90	4	Q-03						1255	Kizil-Nishon	1255																
91	5	Q-07						1749	Madaniyat	1749																
92	6	Q-08						6600	3 village	1715	5 village	1235	6 village	1450	9 village	2200										
93	7	Q-04						11979	1 village	2570	2 village	2452	4 village	2850	6 village	4107										

Water Supply System Data Base

A. Water Supply System																										
			A-9-1-1			A-9-1-2			(name of village or Sokhtoz/ Kolvoz, and population served)																	
Serial No.	File No.	WSS ID	Average Water Supply			Service Hours			(1)		(2)		(3)		(4)		(5)		(6)		(7)		(8)	
			Average water supply (m^3/day)	Maximum daily water supply (m^3/day)	Maximum hourly water supply (m^3/hour)	Time	hours/day	Total Population Served	Village	Population	Village	Population	Village	Population	Village	Population	Village	Population	Village	Population	Village	Population	Village	Population
94	8	Q-05						8496	Telman	3425	Kalinin	2714	Mahtymkyli	2357												
95	1	S-03	240	400	40	6:00-10:00, 16:00-18:00	6	5395	Aivoj	5395																
96	2	S-07	400	800	40	6:00-11:00, 17:00-22:00	10	12520	Stroiteley	2642	Godrostroiteley	2260	Sverdlov	1395	Camuna	1525	Leninobod	3104	Kahramon	1594						
97	3	S-02						1200	Rudaki	1200																
98	4	S-04	400	800	40	6:00-11:00, 17:00-22:00	10	5300	Vatan	5300																
99	5	S-09	250	500	25	6:00-11:00, 17:00-22:00	10	4902	Binokor	2642	Gidrostroiteley	2260														
100	6	S-05						6085	Sultanabod	3750	Yangabod	2315														
101	7	S-08	150	200	25	6:00-10:00, 17:00-19:00	10	1125	Kizil Askar	1125																

Water Supply System Data Base

A. Water Supply System																										
			A-9-1-1			A-9-1-2			(name of village or Sokhfoz/ Kolvoz, and population served)																	
Serial No.	File No.	WSS ID	Average Water Supply			Service Hours			(1)		(2)		(3)		(4)		(5)		(6)		(7)		(8)			
			Average water supply (m^3/day)	Maximum daily water supply (m^3/day)	Maximum hourly water supply (m^3/hour)	Time	hours/day	Total Population Served	Village	Population	Village	Population	Village	Population	Village	Population	Village	Population	Village	Population	Village	Population	Village	Population	Village	Population
102	8	S-10	250	500	25	not determinated		2500	Sayod	2500																
103	9	S-01	250	500	25	6:00-11:00, 17:00-22:00	10	3000	Karl Marks	3000																
104	10	S-06	1200	2400	120	6:00-11:00, 17:00-22:00	10	12000	PGT Shaartuz	12000																
105	1	V-01						2685	Buston	1135	Peshkadam	1550														
106	2	V-05	400	800	40	6:00-11:00, 17:00-22:00	10	8907	Ok-Goza	2601	Yangi-Ariq	1507	Kizil-Soy	1098	Yangi-Hayot	1346	Yangi-Yor	885	Shar-Shara	1470						
107	3	V-02						7705	Hosilobod	3446	Navobod	2470	Botrobod	1789												
108	4	V-03						6723	Kirov-1	4304	8-Mart	1000	Shurteppa	1419												
109	5	V-04						3644	Lenin	1519	Ruzobod	1058	Mardotsoy	1067												
110	6	V-06						3317	Angurbog	1980	50 years Comsomol	1337														
111	7	V-07						12085	Sovetobod	2856	Internacional	3600	Chkalovsk	3158	Pakhtakor	2471										
112	8	V-08						17400	Dusti	8500	Rudaki	5400	Chapaev	3500												
113	9	V-09						4200	PGT Vakhsh	4200																

Water Supply System Data Base

A. Water Supply System																										
			A-9-1-1			A-9-1-2			(name of village or Sokhfoz/ Kolvoz, and population served)																	
Serial No.	File No.	WSS ID	Average Water Supply			Service Hours			(1)		(2)		(3)		(4)		(5)		(6)		(7)		(8)	
			Average water supply (m^3/day)	Maximum daily water supply (m^3/day)	Maximum hourly water supply (m^3/hour)	Time	hours/day	Total Population Served	Village	Population	Village	Population	Village	Population	Village	Population	Village	Population	Village	Population	Village	Population	Village	Population	Village	Population
114	10	V-10						4900	Kolkhoz Vakhsh	4900																
115	11	V-12	120	150	8.2	daylong		200	Military base of Ministry on exceeding event	200																
116	12	V-14	192	200	8.2	daylong		250	Navobod	250																
117	13	V-13	120	150	8.2	daylong		100	Pakhtakor	100																
118	14	V-11	240	300	12.5	daylong		700	Zarkhez	700																
119	15	V-15						17687	Pakhtaobod	2543	Proletar	1666	Mopr	1659	Fidokor	3155	Zarkhez	1634	Khavaskor	1594	1-May	3163	Rohi Nav	2253		

Water Supply System Data Base

Serial No.	File No.	WSS ID	(9)		(10)		A-9-2 If out of working		A-10	B-1	B-2																B-3	B-4	
											Coordinates of well (1)			Coordinates of well (2)			Coordinates of well (3)			Coordinates of well (4)			Coordinates of well (5)			Depth of well (m)	Capacity (Yield) of well	
			Village	Population	Village	Population	A-9-2-1 Reason of out of working	A-9-2 -2 Date (Month/Year) of Stopping	History of rehabilitation or repairing of facilities	Number of well(s)	Latitude N	Longitude E	Altitude (m)	Latitude N	Longitude E	Altitude (m)	Latitude N	Longitude E	Altitude (m)	Latitude N	Longitude E	Altitude (m)	Latitude N	Longitude E	Altitude (m)		m3/hour	m3/day
1	1	K-10	Kizil-Kuch	1450			Decrepit facility	2004	2001-partially	2	37°19.518	068° 11.176	371	37°18.724	068° 11.320	370										110	70	700
2	2	K-08							2001-partially	1	37°24.252	068°10.800	390													92	40	400
3	3	K-03								1	37°24.252	068°10.992	390													110	40	400
4	4	K-09					Decrepit facility	2006	2004-partially	2	37°25.720	068°09.535	387	37°25.882	068°09.700	390										70	120	1200
5	5	K-12					Broken-down	April-1999		1	37°25.457	068°11.341	404													70	120	1200
6	6	K-02					No operator	2005	2004-partially	1	37°13.010	068°11.791	364													110	40	400
7	7	K-05							2006-partially	1	37°04.554	068°07.098	330													40	10	100

Water Supply System Data Base

Serial No.	File No.	WSS ID	(9)		(10)		A-9-2 If out of working		A-10	B-1	B-2															B-3	B-4	
											Coordinates of well (1)			Coordinates of well (2)			Coordinates of well (3)			Coordinates of well (4)			Coordinates of well (5)			Depth of well (m)	Capacity (Yield) of well	
			Village	Population	Village	Population	A-9-2-1 Reason of out of working	A-9-2-2 Date (Month/Year) of Stopping	History of rehabilitation or repairing of facilities	Number of well(s)	Latitude N	Longitude E	Altitude (m)	Latitude N	Longitude E	Altitude (m)	Latitude N	Longitude E	Altitude (m)	Latitude N	Longitude E	Altitude (m)	Latitude N	Longitude E	Altitude (m)		m3/hour	m3/day
8	8	K-01					Decrepit facility	1993	2003	3	37°23.998	068°09.986	385	37°23.878	068°09.881	386	37°23.601	068°09.719	385							70	65	650
9	9	K-14							2005-partially by ECHO	1	37°20.101	068°12.001	379													70	40	400
10	10	K-06							2002-partialy	1	37°20.300	068°01.003	390													60	10	100
11	11	K-04					Decrepit facility	2004	2000-partially	1	37°11.344	068°11.176	349													80	40	400
12	12	K-13					Decrepit facility	2004	2000	1	37°11.474	068°03.063	360													80	40	344
13	13	K-11					Decrepit facility	2001	not conducted	1	37°09.705	068°13.278	355													110	40	400
14	14	K-07					Decrepit facility	2005	2001-partially	2	37°12.172	068°12.700	370	37°11.860	068°12.836	369										110	16	160
15	1	R-37					Lack of water		not conducted																			

Water Supply System Data Base

Serial No.	File No.	WSS ID	(9)		(10)		A-9-2 If out of working		A-10	B-1	B-2															B-3	B-4	
											Coordinates of well (1)			Coordinates of well (2)			Coordinates of well (3)			Coordinates of well (4)			Coordinates of well (5)			Depth of well (m)	Capacity (Yield) of well	
			Village	Population	Village	Population	A-9-2-1 Reason of out of working	A-9-2-2 Date (Month/Year) of Stopping	History of rehabilitation or repairing of facilities	Number of well(s)	Latitude N	Longitude E	Altitude (m)	Latitude N	Longitude E	Altitude (m)	Latitude N	Longitude E	Altitude (m)	Latitude N	Longitude E	Altitude (m)	Latitude N	Longitude E	Altitude (m)		m3/hour	m3/day
16	2	R-06							not conducted																			
17	3	R-04					Lack of water in the Vakhsh conduit	1999	not conducted																			
18	4	R-05					Decrepit facility Lack of water pressure in the Vakhsh conduit	2002	2000-partially																			
19	5	R-38							not conducted																			
20	6	R-32																										
21	7	R-07					Lack of water in the Vakhsh conduit	1999	not conducted																			

Water Supply System Data Base

Serial No.	File No.	WSS ID	(9)		(10)		A-9-2		A-10	B-1	B-2															B-3	B-4	
							If out of working				Coordinates of well (1)			Coordinates of well (2)			Coordinates of well (3)			Coordinates of well (4)			Coordinates of well (5)			Depth of well (m)	Capacity (Yield) of well	
			Village	Population	Village	Population	A-9-2-1 Reason of out of working	A-9-2 -2 Date (Month/Year) of Stopping	History of rehabilitation or repairing of facilities	Number of well(s)	Latitude N	Longitude E	Altitude (m)	Latitude N	Longitude E	Altitude (m)	Latitude N	Longitude E	Altitude (m)	Latitude N	Longitude E	Altitude (m)	Latitude N	Longitude E	Altitude (m)		m3/hour	m3/day
22	8	R-08					Lack of water in the Vakhsh conduit	1998	2004																			
23	9	R-09					Lack of water in the Vakhsh conduit	1998	not conducted																			
24	10	R-27					Lack of water pressure in the Vakhsh conduit	1998	not conducted																			
25	11	R-10					Lack of water in the Vakhsh conduit	1993	not conducted																			
26	12	R-11					Decrepit facility	1993	not conducted																			
27	13	R-13					Decrepit facility Problem of conduit network	1992	not conducted																			
28	14	R-14					Problem of conduit network	1998	not conducted																			

Water Supply System Data Base

Serial No.	File No.	WSS ID	(9)		(10)		A-9-2		A-10	B-1	B-2															B-3	B-4	
							If out of working		History of rehabilitation or repairing of facilities	Number of well(s)	Coordinates of well (1)			Coordinates of well (2)			Coordinates of well (3)			Coordinates of well (4)			Coordinates of well (5)			Depth of well (m)	Capacity (Yield) of well	
			Village	Population	Village	Population	A-9-2-1 Reason of out of working	A-9-2-2 Date (Month/Year) of Stopping			Latitude N	Longitude E	Altitude (m)	Latitude N	Longitude E	Altitude (m)	Latitude N	Longitude E	Altitude (m)	Latitude N	Longitude E	Altitude (m)	Latitude N	Longitude E	Altitude (m)		m3/hour	m3/day
29	15	R-28																										
30	16	R-12					Decrepit facility (had used since 1987 and stopped)	1998	not conducted																			
31	17	R-29							not conducted																			
32	18	R-15					Lack of water in the Vakhsh conduit	1998	not conducted																			
33	19	R-30					Lack of water	2004	not conducted																			
34	20	R-33					Lack of water pressure in the Vakhsh conduit	1999	not conducted																			
35	21	R-01					Lack of water pressure in the Vakhsh conduit	1999	not conducted																			
36	22	R-16					Decrepit facility	1997	not conducted																			

Water Supply System Data Base

Serial No.	File No.	WSS ID	A-9-2				A-10	B-1	B-2														B-3	B-4	
			(9)		(10)		If out of working		History of rehabilitation or repairing of facilities	Number of well(s)	Coordinates of well (1)			Coordinates of well (2)			Coordinates of well (3)			Coordinates of well (4)			Coordinates of well (5)			Depth of well (m)	Capacity (Yield) of well	
			Village	Population	Village	Population	A-9-2-1 Reason of out of working	A-9-2-2 Date (Month/Year) of Stopping			Latitude N	Longitude E	Altitude (m)	Latitude N	Longitude E	Altitude (m)	Latitude N	Longitude E	Altitude (m)	Latitude N	Longitude E	Altitude (m)	Latitude N	Longitude E	Altitude (m)		m3/hour	m3/day
37	23	R-17							2007-partially	1	37°36.910	068°37.341	374													54	120	1200
38	24	R-18																										
39	25	R-19					Lack of water in the Vakhsh conduit	2002	2000-partially																			
40	26	R-20					Broken-down (main equipment)	2000	not conducted																			
41	27	R-34					Lack of water	1993	not conducted																			
42	28	R-21								1	37°36.095	068°38.324	369													44	120	1200

Water Supply System Data Base

Serial No.	File No.	WSS ID	(9)		(10)		A-9-2		A-10	B-1	B-2															B-3	B-4	
							If out of working				Coordinates of well (1)			Coordinates of well (2)			Coordinates of well (3)			Coordinates of well (4)			Coordinates of well (5)			Depth of well (m)	Capacity (Yield) of well	
			Village	Population	Village	Population	A-9-2-1 Reason of out of working	A-9-2 -2 Date (Month/Year) of Stopping	History of rehabilitation or repairing of facilities	Number of well(s)	Latitude N	Longitude E	Altitude (m)	Latitude N	Longitude E	Altitude (m)	Latitude N	Longitude E	Altitude (m)	Latitude N	Longitude E	Altitude (m)	Latitude N	Longitude E	Altitude (m)		m3/hour	m3/day
43	29	R-02							not conducted																			
44	30	R-23					Corroded conduit	2005	not conducted																			
45	31	R-22					Collapsed in the No.1 and No.2 boreholes	2002	2001	4	37°30.502	068°36.848	383	37°30.532	068°36.894	383	37°30.602	068°36.928	364	37°30.622	068°36.331	364			49	50	120	1200
46	32	R-24							not conducted																			
47	33	R-39					Lack of water pressure in the Vakhsh conduit	1999	not conducted																			
48	34	R-03					Lack of water pressure	1995	not conducted																			

Water Supply System Data Base

Serial No.	File No.	WSS ID	A-9-2				A-10	B-1	B-2																B-3	B-4	
			(9)		(10)		If out of working		History of rehabilitation or repairing of facilities	Number of well(s)	Coordinates of well (1)			Coordinates of well (2)			Coordinates of well (3)			Coordinates of well (4)			Coordinates of well (5)			Depth of well (m)	Capacity (Yield) of well	
			Village	Population	Village	Population	A-9-2-1 Reason of out of working	A-9-2 -2 Date (Month/Year) of Stopping			Latitude N	Longitude E	Altitude (m)	Latitude N	Longitude E	Altitude (m)	Latitude N	Longitude E	Altitude (m)	Latitude N	Longitude E	Altitude (m)	Latitude N	Longitude E	Altitude (m)		m3/hour	m3/day
49	35	R-36																									
50	36	R-25							not conducted																		
51	37	R-35																									
52	38	R-31					Lack of water pressure in the Vakhsh conduit	2000	partially, was repaired in 2000 for amount of 21000 dollar USA																		

Water Supply System Data Base

Serial No.	File No.	WSS ID	(9)		(10)		A-9-2		A-10	B-1	B-2															B-3	B-4	
							If out of working				Coordinates of well (1)			Coordinates of well (2)			Coordinates of well (3)			Coordinates of well (4)			Coordinates of well (5)			Depth of well (m)	Capacity (Yield) of well	
			Village	Population	Village	Population	A-9-2-1 Reason of out of working	A-9-2 -2 Date (Month/Year) of Stopping	History of rehabilitation or repairing of facilities	Number of well(s)	Latitude N	Longitude E	Altitude (m)	Latitude N	Longitude E	Altitude (m)	Latitude N	Longitude E	Altitude (m)	Latitude N	Longitude E	Altitude (m)	Latitude N	Longitude E	Altitude (m)		m3/hour	m3/day
53	39	R-26					Lack of water in the Vakhsh conduit	1993	not conducted																			
54	1	J-02					Broken-down (the system)	1994	not conducted																			
55	2	J-01					Lack of water in the Vakhsh conduit	2000	not conducted																			
56	3	J-03					Lack of water in the Vakhsh conduit	2000	not conducted																			
57	4	J-04					Lack of water in the Vakhsh conduit	2001	not conducted																			
58	5	J-05					Lack of water in the Vakhsh conduit	2004	not conducted																			

Water Supply System Data Base

Serial No.	File No.	WSS ID	A-9-2 (9) Village	A-9-2 (9) Population	A-9-2 (10) Village	A-9-2 (10) Population	A-9-2-1 Reason of out of working	A-9-2-2 Date (Month/Year) of Stopping	A-10 History of rehabilitation or repairing of facilities	B-1 Number of well(s)	B-2 Coordinates of well (1) Latitude N	Coordinates of well (1) Longitude E	Coordinates of well (1) Altitude (m)	Coordinates of well (2) Latitude N	Coordinates of well (2) Longitude E	Coordinates of well (2) Altitude (m)	Coordinates of well (3) Latitude N	Coordinates of well (3) Longitude E	Coordinates of well (3) Altitude (m)	Coordinates of well (4) Latitude N	Coordinates of well (4) Longitude E	Coordinates of well (4) Altitude (m)	Coordinates of well (5) Latitude N	Coordinates of well (5) Longitude E	Coordinates of well (5) Altitude (m)	B-3 Depth of well (m)	B-4 Capacity (Yield) of well m3/hour	B-4 Capacity (Yield) of well m3/day
59	6	J-06					Lack of water in the Vakhsh conduit	1998	not conducted																			
60	7	J-07					Lack of water in the Vakhsh conduit	1994	not conducted																			
61	8	J-09					Lack of water in the Vakhsh conduit	1993	2000-partially																			
62	9	J-10					Corroded conduit	1987	not repaired																			
63	10	J-08					Lack of water from Vakhsh conduit	1992	not conducted																			
64	11	J-11					Broken-down	2006	not conducted																			
65	12	J-12					Decrepit facility	1992	not conducted																			

Water Supply System Data Base

Serial No.	File No.	WSS ID	(9)		(10)		A-9-2 If out of working		A-10	B-1	B-2															B-3	B-4	
											Coordinates of well (1)			Coordinates of well (2)			Coordinates of well (3)			Coordinates of well (4)			Coordinates of well (5)			Depth of well (m)	Capacity (Yield) of well	
			Village	Population	Village	Population	A-9-2-1 Reason of out of working	A-9-2-2 Date (Month/Year) of Stopping	History of rehabilitation or repairing of facilities	Number of well(s)	Latitude N	Longitude E	Altitude (m)	Latitude N	Longitude E	Altitude (m)	Latitude N	Longitude E	Altitude (m)	Latitude N	Longitude E	Altitude (m)	Latitude N	Longitude E	Altitude (m)		m3/hour	m3/day
66	13	J-13					Lack of water pressure in the Vakhsh conduit	1999	not conducted																			
67	14	J-14					Lack of water	2004	2003	5	37°30.121	068°34.236	352	37°30.028	068°34.271	355	37°29.925	068°34.319	354	37°29.823	068°34.344	356	37°29.716	068°34.392	352	40-55	40	400
68	1	N-03							2000	1	37°17.102	068°02.245	391													120	40	400
69	2	N-01							2004-partially	3	37°17.295	068°02.550	395	37°17.384	068°02.439	394	37°17.427	068°02.385	394							56-60	120	1200
70	3	N-02					Decrepit facility (had used since 1985 and stopped)	2000	not conducted	1	37°15.530	068°03.998	382													90	25	250

Water Supply System Data Base

Serial No.	File No.	WSS ID	(9)		(10)		A-9-2		A-10	B-1	B-2												B-3	B-4	
							If out of working				Coordinates of well (1)			Coordinates of well (2)			Coordinates of well (3)			Coordinates of well (4)			Coordinates of well (5)			Depth of well (m)	Capacity (Yield) of well	
			Village	Population	Village	Population	A-9-2-1 Reason of out of working	A-9-2 -2 Date (Month/Year) of Stopping	History of rehabilitation or repairing of facilities	Number of well(s)	Latitude N	Longitude E	Altitude (m)	Latitude N	Longitude E	Altitude (m)	Latitude N	Longitude E	Altitude (m)	Latitude N	Longitude E	Altitude (m)	Latitude N	Longitude E	Altitude (m)		m3/hour	m3/day
71	1	P-15					Decrepit facility	1992	not conducted	1	37°13.680	069°09.001	383													70-80	120	1200
72	2	P-05					Decrepit facility	1992	not conducted	1	37°12.321	069°07.816	361													80	40	400
73	3	P-02					Decrepit facility	2004	2003	1	37°12.673	069°10.775	372													70	40	400
74	4	P-06					No operator	2005	2003-partially	3	37°17.320	069°03.743	344	37°17.440	069°03.799	347	37°17.520	069°03.842	345							100-120	120	1200
75	5	P-09					No operator	2005	2003	1	37°18.756	069°33.332	338													60-70	40	400
76	6	P-03							2003	1	37°19.913	069°02.342	345													70	40	400

Water Supply System Data Base

Serial No.	File No.	WSS ID	(9)		(10)		A-9-2		A-10	B-1	B-2															B-3	B-4	
							If out of working				Coordinates of well (1)			Coordinates of well (2)			Coordinates of well (3)			Coordinates of well (4)			Coordinates of well (5)			Depth of well (m)	Capacity (Yield) of well	
			Village	Population	Village	Population	A-9-2-1 Reason of out of working	A-9-2-2 Date (Month/Year) of Stopping	History of rehabilitation or repairing of facilities	Number of well(s)	Latitude N	Longitude E	Altitude (m)	Latitude N	Longitude E	Altitude (m)	Latitude N	Longitude E	Altitude (m)	Latitude N	Longitude E	Altitude (m)	Latitude N	Longitude E	Altitude (m)		m3/hour	m3/day
77	7	P-04							2003-partially	6	37°13.590	069°06.306	359	37°13.612	069°06.347	358										70-80	720	17280
78	8	P-07							2003	1	37°10.720	069°10.732	371													60-70	40	400
79	9	P-08					Decrepit facility		1984																			
80	10	P-10					Decrepit facility	2001	2004																			
81	11	P-13					No operator	2004	2003	2	37°16.103	069°17.140	347	37°16.790	069°17.201	344										70	40	400

Water Supply System Data Base

Serial No.	File No.	WSS ID	(9)		(10)		A-9-2		A-10	B-1	B-2														B-3	B-4	
							If out of working		History of rehabilitation or repairing of facilities	Number of well(s)	Coordinates of well (1)			Coordinates of well (2)			Coordinates of well (3)			Coordinates of well (4)			Coordinates of well (5)			Depth of well (m)	Capacity (Yield) of well	
			Village	Population	Village	Population	A-9-2-1 Reason of out of working	A-9-2-2 Date (Month/Year) of Stopping			Latitude N	Longitude E	Altitude (m)	Latitude N	Longitude E	Altitude (m)	Latitude N	Longitude E	Altitude (m)	Latitude N	Longitude E	Altitude (m)	Latitude N	Longitude E	Altitude (m)		m3/hour	m3/day
82	12	P-16					Decrepit facility No operator	2004	2001	1	37°13.230	069°07.133	344														65	40	400
83	13	P-11					Broken-down	1990	not conducted	1	37°11.246	069°11.604	366														70	40	400
84	14	P-01					Broken-down (it was broken in 1990)	1992	not repaired from 1990	2	37°10.699	069°10.264	373	37°10.599	069°10.224	375											80	40	400
85	15	P-14					No operator	2006	2003	1	37°09.603	069°11.433	379														80	40	400
86	16	P-12					No operator	2003	not conducted	1	37°10.441	069°11.589	383														70	40	400
87	1	Q-01					Decrepit facility	1995	not conducted																				
88	2	Q-02					Lack of water in the Vakhsh conduit	1985	not conducted																				

Water Supply System Data Base

Serial No.	File No.	WSS ID	(9)		(10)		A-9-2		A-10	B-1	B-2														B-3	B-4	
							If out of working				Coordinates of well (1)			Coordinates of well (2)			Coordinates of well (3)			Coordinates of well (4)			Coordinates of well (5)			Depth of well (m)	Capacity (Yield) of well	
			Village	Population	Village	Population	A-9-2-1 Reason of out of working	A-9-2 -2 Date (Month/Year) of Stopping	History of rehabilitation or repairing of facilities	Number of well(s)	Latitude N	Longitude E	Altitude (m)	Latitude N	Longitude E	Altitude (m)	Latitude N	Longitude E	Altitude (m)	Latitude N	Longitude E	Altitude (m)	Latitude N	Longitude E	Altitude (m)		m3/hour	m3/day
89	3	Q-06																									
90	4	Q-03					Lack of water in the Vakhsh conduit	1998	not conducted																		
91	5	Q-07					Lack of water in the Vakhsh conduit	1985																			
92	6	Q-08					Decrepit facility	1991	2001-partally																		
93	7	Q-04					Problem of conduit network	1992																			

Water Supply System Data Base

Serial No.	File No.	WSS ID	(9)		(10)		A-9-2		A-10	B-1	B-2															B-3	B-4	
							If out of working				Coordinates of well (1)			Coordinates of well (2)			Coordinates of well (3)			Coordinates of well (4)			Coordinates of well (5)			Depth of well (m)	Capacity (Yield) of well	
			Village	Population	Village	Population	A-9-2-1 Reason of out of working	A-9-2 -2 Date (Month/Year) of Stopping	History of rehabilitation or repairing of facilities	Number of well(s)	Latitude N	Longitude E	Altitude (m)	Latitude N	Longitude E	Altitude (m)	Latitude N	Longitude E	Altitude (m)	Latitude N	Longitude E	Altitude (m)	Latitude N	Longitude E	Altitude (m)		m3/hour	m3/day
94	6	Q-05					Incomplete facility Lack of water in the Vakhsh conduit	1992																				
95	1	S-03							2005-partially	1	36°58.934	068°01.855	313													65	40	240
96	2	S-07					Decrepit facility (30% rate of operation)	1998	2002-partially	3	37°15.914	068°06.945	359	37°15.815	068°06.960	360	37°15.785	068°06.975	359							70	40	400
97	3	S-02					Decrepit facility	2006	2001-partially	1	37°15.101	068°08.105	353													65	40	400
98	4	S-04							not conducted	1	37°14.158	068°05.004	352													65	40	400
99	5	S-09					Decrepit facility	2008	2001-partally	2	37°15.414	068°06.445	359	37°15.519	068°06.589	360										80-90	25	250
100	6	S-05					No operator	2005	2002-reconstructed	2	37°23.102	068°08.125	385	37°23.213	068°08.302	388										65	63	630
101	7	S-08							2004-partially	1	37°12.102	068°08.202	340													65	25	150

Water Supply System Data Base

Serial No.	File No.	WSS ID	A-9-2				A-10	B-1	B-2														B-3	B-4	
			(9)		(10)		If out of working		History of rehabilitation or repairing of facilities	Number of well(s)	Coordinates of well (1)			Coordinates of well (2)			Coordinates of well (3)			Coordinates of well (4)			Coordinates of well (5)			Depth of well (m)	Capacity (Yield) of well	
			Village	Population	Village	Population	A-9-2-1 Reason of out of working	A-9-2-2 Date (Month/Year) of Stopping			Latitude N	Longitude E	Altitude (m)	Latitude N	Longitude E	Altitude (m)	Latitude N	Longitude E	Altitude (m)	Latitude N	Longitude E	Altitude (m)	Latitude N	Longitude E	Altitude (m)		m3/hour	m3/day
102	8	S-10							2000-partially	1	37°12.823	068°08.409	339													65	25	150
103	9	S-01							2002-partially	1	37°16.864	068°08.908	359													65	25	250
104	10	S-06							1997-partially	3	37°16.864	068°08.908	359	37°16.710	068°08.812	359	37°16.910	068°08.998	360							70	120	1200
105	1	V-01					Incomplete facility	2000	not conducted																			
106	2	V-05					Decrepit facility (power equipment was worn out)		2000-partially																			
107	3	V-02					Not operated	1997	not conducted																			
108	4	V-03					Not operated	1994	not conducted																			
109	5	V-04					Lack of water in the Vakhsh conduit	1998	not conducted																			
110	6	V-06					Corroded conduit	1999	not conducted																			
111	7	V-07					Corroded conduit	2005	2001-rehabilitation of station 1																			
112	8	V-08					Corroded conduit	2004-2005	2003-partialy																			
113	9	V-09					Incomplete facility	1979	not conducted																			

Water Supply System Data Base

Serial No.	File No.	WSS ID	(9)		(10)		A-9-2		A-10	B-1	B-2															B-3	B-4	
							If out of working		History of rehabilitation or repairing of facilities	Number of well(s)	Coordinates of well (1)			Coordinates of well (2)			Coordinates of well (3)			Coordinates of well (4)			Coordinates of well (5)			Depth of well (m)	Capacity (Yield) of well	
			Village	Population	Village	Population	A-9-2-1 Reason of out of working	A-9-2 -2 Date (Month/Year) of Stopping			Latitude N	Longitude E	Altitude (m)	Latitude N	Longitude E	Altitude (m)	Latitude N	Longitude E	Altitude (m)	Latitude N	Longitude E	Altitude (m)	Latitude N	Longitude E	Altitude (m)		m3/hour	m3/day
114	10	V-10					Lack of water in the Vakhsh conduit	1998	not conducted																			
115	11	V-12							not conducted																			
116	12	V-14							2003																			
117	13	V-13							2002																			
118	14	V-11							not conducted																			
119	15	V-15					Incomplete facility	1990	not conducted																			

Water Supply System Data Base

B. Water Source (Vakhsh Conduits Groundwater Irrigation canal)																								
Serial No.	File No.	WSS ID	B-5		B-6 Water level		B-7 Casing / Screen Pipe				B-8 Pump													
			Maximum yield of well								B-8-1			B-8-2	B-8-3	B-8-4	B-8-5 Discharge of pump		B-8-6		B-8-7	B-8-8	
			m3/hour	m3/day	Satatic Water Level (m BGL)	Dynamic Water Level (m BGL)	B-7-1 Diameter (mm)	B-7-2 Material	B-7-2 Specify for Other	B-7-3 Position of Screen (m BGL)	Pump	Type	Specify for Other	Position (m BGL)	Rated motor output (kw)	Pump head (m)	m^3/min	m^3/hour	Diameter of Riser Pipe (mm)	Material of riser pipe	Starting up method of pump	Location of control panel	Others (mark, if installed)
1	1	K-10	70	1300		4	425	1: Steel		70 -90	ECV 10-120-60	1: Submersible		42	32	60	2	120	100	Steel	2: Star delta	1: Indoor	Installed
2	2	K-08	40	800		8	325	1: Steel		65 - 80	ECV 8-40-125	1: Submersible		38	22	125	0.7	40	50	Steel	2: Star delta	1: Indoor	Installed
3	3	K-03	40	600		5	325	1: Steel		80 - 90	ECV 8-40-125	1: Submersible		42	22	125	0.7	40	80	Steel	2: Star delta	1: Indoor	
4	4	K-09	120	2400		8	425	1: Steel		45- 60	ECV 10-120-60	1: Submersible		35	32	60	2	120	100	Steel	2: Star delta	1: Indoor	Installed
5	5	K-12	120	2400		10	325	1: Steel		45- 60	ECV 10-120-60	1: Submersible		38	32	60	2	120	120	Steel	2: Star delta	2: Outdoor	Not Installed
6	6	K-02	40	600		4	325	1: Steel		70-90	ESV8-16-125	1: Submersible		38	11	125	0.7	40	76	Steel	2: Star delta	1: Indoor	
7	7	K-05	10	200		4	325	1: Steel		25-35	ECV 6-10-110	1: Submersible		22	5.5	110	0.16	10	76	Steel	2: Star delta	1: Indoor	Installed

Water Supply System Data Base

B. Water Source (Vakhsh Conduits Groundwater Irrigation canal)																								
			B-5		B-6 Water level		B-7 Casing / Screen Pipe				B-8 Pump													
			Maximum yield of well								B-8-1			B-8-2	B-8-3	B-8-4	B-8-5 Discharge of pump		B-8-6		B-8-7	B-8-8	
Serial No.	File No.	WSS ID	m3/hour	m3/day	Satatic Water Level (m BGL)	Dynamic Water Level (m BGL)	B-7-1 Diameter (mm)	B-7-2 Material	B-7-2 Specify for Other	B-7-3 Position of Screen (m BGL)	Pump	Type	Specify for Other	Position (m BGL)	Rated motor output (kw)	Pump head (m)	m^3/min	m^3/hour	Diameter of Riser Pipe (mm)	Material of riser pipe	Starting up method of pump	Location of control panel	Others (mark, if installed)
8	8	K-01	65	1300		6	425	1: Steel		45-60	ESV 10-65-120	1: Submersible		36	32	120	1	65	150	Steel	2: Star delta	1: Indoor	Installed
9	9	K-14	40	800		5	276	1: Steel		45-60	ESV 8-40-125	1: Submersible		28	22	125	0.7	40	89	Steel	2: Star delta	1: Indoor	
10	10	K-06	10	200		4	219	1: Steel		45-55	ECV 6-10-110	1: Submersible		40	6.5	110	0.16	10	76	Steel	2: Star delta	2: Outdoor	Installed
11	11	K-04	40	800		5	325	1: Steel		55-70	ECV8-40-125	1: Submersible		30	22	125	0.7	40	100	Steel	2: Star delta	2: Outdoor	Installed
12	12	K-13	40	680		5	425	1: Steel		55-70	ECV 8-40-125	1: Submersible		32	22	125	0.7	40	100	Steel	2: Star delta	1: Indoor	Not Installed
13	13	K-11	40	600		5	225	1: Steel		70-90	ECV 8-40-125	1: Submersible		45	22	125	0.7	40	100	Steel	2: Star delta	1: Indoor	Installed
14	14	K-07	16	320		6	325	1: Steel		80-100	ECV 6-16-125	1: Submersible		38	11	125	0.3	16	100	Steel	2: Star delta	1: Indoor	
15	1	R-37																					

Water Supply System Data Base

B. Water Source (Vakhsh Conduits Groundwater Irrigation canal)																									
Serial No.	File No.	WSS ID	B-5		B-6 Water level		B-7 Casing / Scren Pipe				B-8 Pump														
			Maximum yield of well								B-8-1			B-8-2	B-8-3	B-8-4	B-8-5 Discharge of pump		B-8-6		B-8-7	B-8-8		
			m3/hour	m3/day	Satatic Water Level (m BGL)	Dynamic Water Level (m BGL)	B-7-1 Diameter (mm)	B-7-2 Material	B-7-2 Specify for Other	B-7-3 Position of Screen (m BGL)	Pump	Type	Specify for Other	Position (m BGL)	Rated motor output (kw)	Pump head (m)	m^3/min	m^3/hour	Diameter of Riser Pipe (mm)	Material of riser pipe	Starting up method of pump	Location of control panel	Others (mark, if installed)
16	2	R-06																							
17	3	R-04																							
18	4	R-05																							
19	5	R-38																							
20	6	R-32																							
21	7	R-07																							

Water Supply System Data Base

B. Water Source (Vakhsh Conduits Groundwater Irrigation canal)																									
Serial No.	File No.	WSS ID	B-5 Maximum yield of well		B-6 Water level		B-7 Casing / Screen Pipe				B-8 Pump														
											B-8-1			B-8-2	B-8-3	B-8-4	B-8-5 Discharge of pump		B-8-6		B-8-7	B-8-8		
			m3/hour	m3/day	Satatic Water Level (m BGL)	Dynamic Water Level (m BGL)	B-7-1 Diameter (mm)	B-7-2 Material	B-7-2 Specify for Other	B-7-3 Position of Screen (m BGL)	Pump	Type	Specify for Other	Position (m BGL)	Rated motor output (kw)	Pump head (m)	m^3/min	m^3/hour	Diameter of Riser Pipe (mm)	Material of riser pipe	Starting up method of pump	Location of control panel	Others (mark, if installed)
22	8	R-08																							
23	9	R-09																							
24	10	R-27																							
25	11	R-10																							
26	12	R-11																							
27	13	R-13																							
28	14	R-14																							

Water Supply System Data Base

B. Water Source (Vakhsh Conduits Groundwater Irrigation canal)																										
Serial No.	File No.	WSS ID	B-5		B-6 Water level		B-7 Casing / Scren Pipe				B-8 Pump															
			Maximum yield of well								B-8-1			B-8-2	B-8-3	B-8-4	B-8-5 Discharge of pump		B-8-6		B-8-7	B-8-8			
			m3/hour	m3/day	Satatic Water Level (m BGL)	Dynamic Water Level (m BGL)	B-7-1 Diameter (mm)	B-7-2 Material	B-7-2 Specify for Other	B-7-3 Position of Screen (m BGL)	Pump	Type	Specify for Other	Position (m BGL)	Rated motor output (kw)	Pump head (m)	m^3/min	m^3/hour	Diameter of Riser Pipe (mm)	Material of riser pipe	Starting up method of pump	Location of control panel	Others (mark, if installed)			
29	15	R-28																								
30	16	R-12																								
31	17	R-29																								
32	18	R-15																								
33	19	R-30																								
34	20	R-33																								
35	21	R-01																								
36	22	R-16																								

Water Supply System Data Base

B. Water Source (Vakhsh Conduits Groundwater Irrigation canal)																								
Serial No.	File No.	WSS ID	B-5		B-6 Water level		B-7 Casing / Screen Pipe				B-8 Pump													
			Maximum yield of well								B-8-1			B-8-2	B-8-3	B-8-4	B-8-5 Discharge of pump		B-8-6		B-8-7	B-8-8	
			m3/hour	m3/day	Satatic Water Level (m BGL)	Dynamic Water Level (m BGL)	B-7-1 Diameter (mm)	B-7-2 Material	B-7-2 Specify for Other	B-7-3 Position of Screen (m BGL)	Pump	Type	Specify for Other	Position (m BGL)	Rated motor output (kw)	Pump head (m)	m^3/min	m^3/hour	Diameter of Riser Pipe (mm)	Material of riser pipe	Starting up method of pump	Location of control panel	Others (mark, if installed)
37	23	R-17	120	2400		5	425	1: Steel		38-50	ECV 10-120-60	1: Submersible		26	32kvt / 2900rpm	60	2	120	150	Steel	2: Star delta	2: Outdoor		
38	24	R-18																						
39	25	R-19																						
40	26	R-20																						
41	27	R-34																						
42	28	R-21	120	2400		4	425	1: Steel		30-40	ECV 10-120-60	1: Submersible		24	32kvt 2900turn/min	60	2	120	150 mm x4	Steel	2: Star delta	2: Outdoor		

Water Supply System Data Base

B. Water Source (Vakhsh Conduits Groundwater Irrigation canal)																									
Serial No.	File No.	WSS ID	B-5		B-6 Water level		B-7 Casing / Scren Pipe				B-8 Pump														
			Maximum yield of well								B-8-1			B-8-2	B-8-3	B-8-4	B-8-5 Discharge of pump		B-8-6		B-8-7	B-8-8		
			m3/hour	m3/day	Satatic Water Level (m BGL)	Dynamic Water Level (m BGL)	B-7-1 Diameter (mm)	B-7-2 Material	B-7-2 Specify for Other	B-7-3 Position of Screen (m BGL)	Pump	Type	Specify for Other	Position (m BGL)	Rated motor output (kw)	Pump head (m)	m^3/min	m^3/hour	Diameter of Riser Pipe (mm)	Material of riser pipe	Starting up method of pump	Location of control panel	Others (mark, if installed)		
43	29	R-02																							
44	30	R-23																							
45	31	R-22	120	2400		2	426	1: Steel		40-55	ECV 10-120-60	1: Submersible		24-28	32	125	2	120	100	Steel	2: Star delta	1: Indoor	installed		
46	32	R-24																							
47	33	R-39																							
48	34	R-03																							

Water Supply System Data Base

B. Water Source (Vakhsh Conduits Groundwater Irrigation canal)																										
Serial No.	File No.	WSS ID	B-5		B-6 Water level		B-7 Casing / Scren Pipe				B-8 Pump															
			Maximum yield of well								B-8-1			B-8-2	B-8-3	B-8-4	B-8-5 Discharge of pump		B-8-6		B-8-7	B-8-8			
			m3/hour	m3/day	Satatic Water Level (m BGL)	Dynamic Water Level (m BGL)	B-7-1 Diameter (mm)	B-7-2 Material	B-7-2 Specify for Other	B-7-3 Position of Screen (m BGL)	Pump	Type	Specify for Other	Position (m BGL)	Rated motor output (kw)	Pump head (m)	m^3/min	m^3/hour	Diameter of Riser Pipe (mm)	Material of riser pipe	Starting up method of pump	Location of control panel	Others (mark, if installed)			
49	35	R-36																								
50	36	R-25																								
51	37	R-35																								
52	38	R-31																								

Water Supply System Data Base

B. Water Source (Vakhsh Conduits Groundwater Irrigation canal)																										
Serial No.	File No.	WSS ID	B-5		B-6 Water level		B-7 Casing / Screen Pipe				B-8 Pump															
			Maximum yield of well								B-8-1			B-8-2	B-8-3	B-8-4	B-8-5 Discharge of pump		B-8-6		B-8-7	B-8-8			
			m3/hour	m3/day	Satatic Water Level (m BGL)	Dynamic Water Level (m BGL)	B-7-1 Diameter (mm)	B-7-2 Material	B-7-2 Specify for Other	B-7-3 Position of Screen (m BGL)	Pump	Type	Specify for Other	Position (m BGL)	Rated motor output (kw)	Pump head (m)	m^3/min	m^3/hour	Diameter of Riser Pipe (mm)	Material of riser pipe	Starting up method of pump	Location of control panel	Others (mark, if installed)			
53	39	R-26																								
54	1	J-02																								
55	2	J-01																								
56	3	J-03																								
57	4	J-04																								
58	5	J-05																								

Water Supply System Data Base

B. Water Source (Vakhsh Conduits Groundwater Irrigation canal)																									
Serial No.	File No.	WSS ID	B-5		B-6 Water level		B-7 Casing / Scren Pipe				B-8 Pump														
			Maximum yield of well								B-8-1			B-8-2	B-8-3	B-8-4	B-8-5 Discharge of pump		B-8-6		B-8-7	B-8-8		
			m3/hour	m3/day	Satatic Water Level (m BGL)	Dynamic Water Level (m BGL)	B-7-1 Diameter (mm)	B-7-2 Material	B-7-2 Specify for Other	B-7-3 Position of Screen (m BGL)	Pump	Type	Specify for Other	Position (m BGL)	Rated motor output (kw)	Pump head (m)	m^3/min	m^3/hour	Diameter of Riser Pipe (mm)	Material of riser pipe	Starting up method of pump	Location of control panel	Others (mark, if installed)
59	6	J-06																							
60	7	J-07																							
61	8	J-09																							
62	9	J-10																							
63	10	J-08																							
64	11	J-11																							
65	12	J-12																							

Water Supply System Data Base

B. Water Source (Vakhsh Conduits Groundwater Irrigation canal)																								
Serial No.	File No.	WSS ID	B-5		B-6 Water level		B-7 Casing / Screen Pipe				B-8 Pump													
			Maximum yield of well								B-8-1			B-8-2	B-8-3	B-8-4	B-8-5 Discharge of pump		B-8-6		B-8-7	B-8-8	
			m3/hour	m3/day	Satatic Water Level (m BGL)	Dynamic Water Level (m BGL)	B-7-1 Diameter (mm)	B-7-2 Material	B-7-2 Specify for Other	B-7-3 Position of Screen (m BGL)	Pump	Type	Specify for Other	Position (m BGL)	Rated motor output (kw)	Pump head (m)	m^3/min	m^3/hour	Diameter of Riser Pipe (mm)	Material of riser pipe	Starting up method of pump	Location of control panel	Others (mark, if installed)
66	13	J-13																						
67	14	J-14	40	800		4	425	1: Steel		30-35	ESV 8-40-125	1: Submersible		25	22	125	0.7	40	100	Steel	2: Star delta	2: Outdoor		
68	1	N-03	40	800		6	425	1: Steel		95-110	ECV 8-40-125	1: Submersible		45	22	125	0.7	40	76	Steel	2: Star delta	1: Indoor	installed	
69	2	N-01	120	2400		6	425	1: Steel		45-55	ECV 10-120-80	1: Submersible		30	32 kw 2900 turn/minute	80	2	120	114	Steel	2: Star delta	1: Indoor	installed	
70	3	N-02	25	400		4	219	1: Steel		85-80	ECV 8-25-110	1: Submersible		40	22	110	0.4	25	89	Steel	2: Star delta	1: Indoor		

Water Supply System Data Base

B. Water Source (Vakhsh Conduits Groundwater Irrigation canal)																									
Serial No.	File No.	WSS ID	B-5		B-6 Water level		B-7 Casing / Scren Pipe				B-8 Pump														
			Maximum yield of well								B-8-1			B-8-2	B-8-3	B-8-4	B-8-5 Discharge of pump		B-8-6		B-8-7	B-8-8		
			m3/hour	m3/day	Satatic Water Level (m BGL)	Dynamic Water Level (m BGL)	B-7-1 Diameter (mm)	B-7-2 Material	B-7-2 Specify for Other	B-7-3 Position of Screen (m BGL)	Pump	Type	Specify for Other	Position (m BGL)	Rated motor output (kw)	Pump head (m)	m^3/min	m^3/hour	Diameter of Riser Pipe (mm)	Material of riser pipe	Starting up method of pump	Location of control panel	Others (mark, if installed)
71	1	P-15	120	2400		6	426	1: Steel		65-70	ECV10-120-60	1: Submersible		60	32	60	2	120	100	Steel	2: Star delta	1: Indoor	
72	2	P-05	40	800		4	273	1: Steel		55-70	ECV 8-40-125	1: Submersible		38	22	125	0.7	40	76	Steel	2: Star delta	2: Outdoor	
73	3	P-02	40	800		6	273	1: Steel		45-60	ECV 8-40-125	1: Submersible		40	22	125	0.7	40	89	Steel	2: Star delta	1: Indoor	installed
74	4	P-06	120	2400		6	325	1: Steel		70-90	ECV 10-120-60	1: Submersible		48	32	60	2	120	100	Steel	2: Star delta	1: Indoor	installed
75	5	P-09	40	800		15	325	1: Steel		45-55	ECV 8-40-110	1: Submersible		32	22	110	0.7	40	76	Steel	2: Star delta	1: Indoor	
76	6	P-03	40	800		6	325	1: Steel		55-70	ECV 8-40-125	1: Submersible		32	22	125	0.7	40	89	Steel	2: Star delta	1: Indoor	installed

Water Supply System Data Base

B. Water Source (Vakhsh Conduits Groundwater Irrigation canal)																								
Serial No.	File No.	WSS ID	B-5		B-6 Water level		B-7 Casing / Screen Pipe				B-8 Pump													
			Maximum yield of well								B-8-1			B-8-2	B-8-3	B-8-4	B-8-5 Discharge of pump		B-8-6		B-8-7	B-8-8	
			m3/hour	m3/day	Satatic Water Level (m BGL)	Dynamic Water Level (m BGL)	B-7-1 Diameter (mm)	B-7-2 Material	B-7-2 Specify for Other	B-7-3 Position of Screen (m BGL)	Pump	Type	Specify for Other	Position (m BGL)	Rated motor output (kw)	Pump head (m)	m^3/min	m^3/hour	Diameter of Riser Pipe (mm)	Material of riser pipe	Starting up method of pump	Location of control panel	Others (mark, if installed)
77	7	P-04	360	3600		6	325-426	1: Steel		55-85	ECV 10-120-60	1: Submersible		36	32	60	2	120	150	Steel	2: Star delta	1: Indoor	Installed
78	8	P-07	40	800		5	273	1: Steel		45-60	ECV 8-40-125	1: Submersible		32	22	125	0.7	40	114	Steel	2: Star delta	1: Indoor	
79	9	P-08																					
80	10	P-10																					
81	11	P-13	55	700		4	325	1: Steel		4-6	ECV 8-40-125	1: Submersible		35	22	125			114	Steel	2: Star delta	1: Indoor	

Water Supply System Data Base

8. Water Source (Vakhsh Conduits Groundwater Irrigation canal)																								
Serial No.	File No.	WSS ID	B-5		B-6 Water level		B-7 Casing / Screen Pipe				B-8 Pump													
			Maximum yield of well								B-8-1			B-8-2	B-8-3	B-8-4	B-8-5 Discharge of pump		B-8-6		B-8-7	B-8-8	
			m3/hour	m3/day	Satatic Water Level (m BGL)	Dynamic Water Level (m BGL)	B-7-1 Diameter (mm)	B-7-2 Material	B-7-2 Specify for Other	B-7-3 Position of Screen (m BGL)	Pump	Type	Specify for Other	Position (m BGL)	Rated motor output (kw)	Pump head (m)	m^3/min	m^3/hour	Diameter of Riser Pipe (mm)	Material of riser pipe	Starting up method of pump	Location of control panel	Others (mark, if installed)
82	12	P-16	40	800		6	325	1: Steel		45-55	ECV 8-40-125	1: Submersible		33	22	125	0.7	40	89	Steel	2: Star delta	1: Indoor	
83	13	P-11	40	800		5	273	1: Steel		45-55	ECV 8-40-125	1: Submersible		35	22	125	0.7	40	76	Steel	2: Star delta	1: Indoor	
84	14	P-01	40	800		4	273	1: Steel		55-80	ECV 8-40-125	1: Submersible		37	22	125	0.7	40	100	Steel	2: Star delta	1: Indoor	
85	15	P-14	40	700		6	325	1: Steel		55-60	ECV 8-40-125	1: Submersible		42	22	110	0.7	40	100	Steel	2: Star delta	1: Indoor	Installed
86	16	P-12	40	800		4	426	1: Steel		50-60	ECV 8-40-125	1: Submersible		35	32	125	0.7	40	114	Steel	2: Star delta	1: Indoor	
87	1	Q-01																					
88	2	Q-02																					

Water Supply System Data Base

B. Water Source (Vakhsh Conduits Groundwater Irrigation canal)																									
Serial No.	File No.	WSS ID	B-5		B-6 Water level		B-7 Casing / Screen Pipe				B-8 Pump														
			Maximum yield of well								B-8-1			B-8-2	B-8-3	B-8-4	B-8-5 Discharge of pump		B-8-6		B-8-7	B-8-8		
			m3/hour	m3/day	Satatic Water Level (m BGL)	Dynamic Water Level (m BGL)	B-7-1 Diameter (mm)	B-7-2 Material	B-7-2 Specify for Other	B-7-3 Position of Screen (m BGL)	Pump	Type	Specify for Other	Position (m BGL)	Rated motor output (kw)	Pump head (m)	m^3/min	m^3/hour	Diameter of Riser Pipe (mm)	Material of riser pipe	Starting up method of pump	Location of control panel	Others (mark, if installed)
89	3	Q-06																							
90	4	Q-03																							
91	5	Q-07																							
92	6	Q-08																							
93	7	Q-04																							

Water Supply System Data Base

B. Water Source (Vakhsh Conduits Groundwater Irrigation canal)																								
Serial No.	File No.	WSS ID	B-5		B-6 Water level		B-7 Casing / Screen Pipe				B-8 Pump													
			Maximum yield of well								B-8-1			B-8-2	B-8-3	B-8-4	B-8-5 Discharge of pump		B-8-6		B-8-7	B-8-8	
			m3/hour	m3/day	Satatic Water Level (m BGL)	Dynamic Water Level (m BGL)	B-7-1 Diameter (mm)	B-7-2 Material	B-7-2 Specify for Other	B-7-3 Position of Screen (m BGL)	Pump	Type	Specify for Other	Position (m BGL)	Rated motor output (kw)	Pump head (m)	m^3/min	m^3/hour	Diameter of Riser Pipe (mm)	Material of riser pipe	Starting up method of pump	Location of control panel	Others (mark, if installed)
94	6	Q-05																						
95	1	S-03	40	400		8	300	1: Steel		45-55	ECV 8-40-125	1: Submersible		30	11	110	0.26	16	76	Steel	2: Star delta	1: Indoor		
96	2	S-07	40	800		5	325	1: Steel		45-60	ECV 8-40-110	1: Submersible		40	22	110	0.7	40	114	Steel	2: Star delta	1: Indoor	Installed	
97	3	S-02	40	800		5	325	1: Steel		45-55	ESV 8-40-125	1: Submersible		38	22	125	0.7	40	100	Steel	2: Star delta	1: Indoor	Installed	
98	4	S-04	40	800		5	325	1: Steel		45-55	ESV 8-40-110	1: Submersible		38	22	110	0.7	40	89	Steel	2: Star delta	1: Indoor	Installed	
99	5	S-09	25	500		4	273	1: Steel		60-80	ECV 8-25-110	1: Submersible		42	22	125	0.4	25	89	Steel	2: Star delta	1: Indoor		
100	6	S-05	63	1300		6	426	1: Steel		45-55	ECV 10-63-65	1: Submersible		32	45	65	1	63	114	Steel	2: Star delta	1: Indoor		
101	7	S-08	25	200		6	325	1: Steel		45-55	ECV 8-25-125	1: Submersible		30	22	125	0.4	25	89	Steel	2: Star delta	1: Indoor	Installed	

Water Supply System Data Base

B. Water Source (Vakhsh Conduits Groundwater Irrigation canal)																									
Serial No.	Fila No.	WSS ID	B-5		B-6 Water level		B-7 Casing / Scren Pipe				B-8 Pump														
			Maximum yield of well								B-8-1			B-8-2	B-8-3	B-8-4	B-8-5 Discharge of pump		B-8-6		B-8-7	B-8-8		
			m3/hour	m3/day	Satatic Water Level (m BGL)	Dynamic Water Level (m BGL)	B-7-1 Diameter (mm)	B-7-2 Material	B-7-2 Specify for Other	B-7-3 Position of Screen (m BGL)	Pump	Type	Specify for Other	Position (m BGL)	Rated motor output (kw)	Pump head (m)	m^3/min	m^3/hour	Diameter of Riser Pipe (mm)	Material of riser pipe	Starting up method of pump	Location of control panel	Others (mark, if installed)
102	8	S-10	25	180		5	325	1: Steel		45-55	ESV 8-40-110	1: Submersible		32	11	110	0.4	25	80	Steel	2: Star delta	1: Indoor	installed
103	9	S-01	25	500		6	325	1: Steel		45-55	ECV 8-25-110	1: Submersible		38	22	110	0.4	25	100	Steel	2: Star delta	1: Indoor	
104	10	S-06	120	2400		6	325-426	1: Steel		45-60	ECV 8-120-60	1: Submersible		40	32	60	2	120	159	Steel	2: Star delta	1: Indoor	installed
105	1	V-01																					
106	2	V-05																					
107	3	V-02																					
108	4	V-03																					
109	5	V-04																					
110	6	V-06																					
111	7	V-07																					
112	8	V-08																					
113	9	V-09																					

Water Supply System Data Base

B. Water Source (Vakhsh Conduits Groundwater Irrigation canal)																									
Serial No.	File No.	WSS ID	B-5		B-6 Water level		B-7 Casing / Screen Pipe				B-8 Pump														
			Maximum yield of well								B-8-1			B-8-2	B-8-3	B-8-4	B-8-5 Discharge of pump		B-8-6		B-8-7	B-8-8		
			m3/hour	m3/day	Satatic Water Level (m BGL)	Dynamic Water Level (m BGL)	B-7-1 Diameter (mm)	B-7-2 Material	B-7-2 Specify for Other	B-7-3 Position of Screen (m BGL)	Pump	Type	Specify for Other	Position (m BGL)	Rated motor output (kw)	Pump head (m)	m^3/min	m^3/hour	Diameter of Riser Pipe (mm)	Material of riser pipe	Starting up method of pump	Location of control panel	Others (mark, if installed)
114	10	V-10																							
115	11	V-12																							
116	12	V-14																							
117	13	V-13																							
118	14	V-11																							
119	15	V-15																							

Water Supply System Data Base

Serial No.	File No.	WSS ID	B-9 Water Quality											B-10 Availability of alternative water source, if operation of water supply service is seasonal or service is stopping.				C. Aqueduct (conduit from water source to a reservoir or distribution tan			C-4			
			pH	Temperature (°C)	EC (mS/m)	TDS (mg/l)	Total Coli.	E. Coli	Fe (mg/l)	F (mg/l)	As (mg/l)	Rsidual Chlorine (mg/l)	NO_3 (mg/l)	Type of Water Source	Specify for Other	Distance from the nearest water source	Times of Fetching (times/day)	C-1 Diameter of Pipe (mm)	C-2 Material of Pipe	C-3 Length of Conduit (km)	Condition of Pipe		Specify for Partially Deteriorated	What is the Problem
1	1	K-10												3: Irrigation canal		0.5km	3	150	steel	0.07	1: No problem			
2	2	K-08	6.3	16	33.4	166	0	0	0.05	0.4	<0.2	0.2	1	3: Irrigation canal		0.5km	not limited							
3	3	K-03	6.6	18	33.4	154	1	1	0.05	0.4	< 0.2	0.2	1	3: Irrigation canal		0.3km	not limited	100	steel	0.08	1: No problem			
4	4	K-09												3: Irrigation canal		0.3km	3							
5	5	K-12												3: Irrigation canal		0.3km	not limited	150	steel	0.04	1: No problem			
6	6	K-02												3: Irrigation canal		0.3km	not limited	100	steel	0.065	1: No problem			
7	7	K-05	6.2	16	33.4	156	0	1	0.05	0.4	<0.2	2	1	3: Irrigation canal		0.3km	3	100	steel	2.5	1: No problem			

Water Supply System Data Base

			B-9											B-10				C. Aqueduct (conduit from water source to a reservoir or distribution ta							
			Water Quality											Availability of alternative water source, if operation of water supply service is seasonal or service is stopping.				C-1	C-2	C-3	C-4				
Serial No.	File No.	WSS ID	pH	Temperature (°C)	EC (mS/m)	TDS (mg/l)	Total Coli.	E. Coli	Fe (mg/l)	F (mg/l)	As (mg/l)	Residual Chlorine (mg/l)	NO_3 (mg/l)	Type of Water Source	Specify for Other	Distance from the nearest water source	Times of Fetching (times/day)	Diameter of Pipe (mm)	Material of Pipe	Length of Conduit (km)	Condition of Pipe		Specify for Partially Deteriorated	What is the Problem
8	8	K-01	5.1	16	33.4	166	0	0	0.05	0.4	<0.2	0.2	1	3: Irrigation canal		0.3km	4	200	steel	0.3	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Decrepit facility
9	9	K-14												3: Irrigation canal		0.3km	3	150	steel	0.05	1: No problem			
10	10	K-06												3: Irrigation canal		0.3km	not limited	159	steel	0.05	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Decrepit facility
11	11	K-04												3: Irrigation canal		0.07km	3	159	steel	0.16	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Decrepit facility
12	12	K-13												2: Groundwater		0.3km	not limited	159	steel	0.16	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Decrepit facility
13	13	K-11												3: Irrigation canal		0.4km	not limited	159	steel	0.56	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Decrepit facility
14	14	K-07												3: Irrigation canal		0.4km	not limited	159	steel	1.1	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Decrepit facility
15	1	R-37	6.8	18	64.9	185	1	1	0.05	0.4	< 0.2	< 0.2	< 1	3: Irrigation canal		0.2km	not limited							

Water Supply System Data Base

Serial No.	File No.	WSS ID	B-9 Water Quality											B-10 Availability of alternative water source, if operation of water supply service is seasonal or service is stopping.				C. Aqueduct (conduit from water source to a reservoir or distribution tan					
																		C-1	C-2	C-3	C-4		
			pH	Temperature (°C)	EC (mS/m)	TDS (mg/l)	Total Coli.	E. Coli	Fe (mg/l)	F (mg/l)	As (mg/l)	Rsidual Chlorine (mg/l)	NO_3 (mg/l)	Type of Water Source	Specify for Other	Distance from the nearest water source	Times of Fetching (times/day)	Diameter of Pipe (mm)	Material of Pipe	Length of Conduit (km)	Condition of Pipe		Specify for Partially Deteriorated	What is the Problem
16	2	R-06	6.1	16	33.4	162	0	1	0.05	0.4	< 0.2	0.2	1	3: Irrigation canal		0.3km	3	140	steel	0.6	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Lack of water pressure in the Vakhsh conduit
17	3	R-04												3: Irrigation canal		0.7km	not limited						
18	4	R-05	5.2	16	63.5	175	0	1	0.5	0.4	< 0.2	0.2	1	3: Irrigation canal		0.6km	4						
19	5	R-38	5.3	15	64.5	170	0	0	0.05	0.4	< 0.2	< 0.2	< 1										
20	6	R-32	5.7	15	33.8	154	0	0	0.05	0.4	<0.1	<0.2	<1	3: Irrigation canal		0.4km	4						
21	7	R-07												3: Irrigation canal		0.4km	3						

Water Supply System Data Base

Serial No.	File No.	WSS ID	B-9 Water Quality											B-10 Availability of alternative water source, if operation of water supply service is seasonal or service is stopping.				C. Aqueduct (conduit from water source to a reservoir or distribution ta					
																		C-1	C-2	C-3	C-4			
			pH	Temperature (°C)	EC (mS/m)	TDS (mg/l)	Total Coli.	E. Coli	Fe (mg/l)	F (mg/l)	As (mg/l)	Rsidual Chlorine (mg/l)	NO_3 (mg/l)	Type of Water Source	Specify for Other	Distance from the nearest water source	Times of Fetching (times/day)	Diameter of Pipe (mm)	Material of Pipe	Length of Conduit (km)	Condition of Pipe		Specify for Partially Deteriorated	What is the Problem
22	8	R-08	5.4	18	33.4	166	1	1	0.4	0.4	< 0.2	< 0.2	< 1	3: Irrigation canal		0.4km	not limited	425	steel	0.6	1: No problem			
23	9	R-09												3: Irrigation canal		0.6km	not limited							
24	10	R-27												1: Vakhsh Conduit	Irrigation Canal	0.6km	3	150	steel	1.4	1: No problem			
25	11	R-10	5.2	19	66.5	170	1	1	0.5	0.4	< 0.2	< 0.2	< 1	3: Irrigation canal		0.7km	2							
26	12	R-11	5.8	12	33.3	164	0	0	0.05	< 0.4	< 0.2	< 0.2	< 1	3: Irrigation canal		0.8km	3							
27	13	R-13												4: Other	Vakhsh river	0.3km	3							
28	14	R-14												1: Vakhsh Conduit	Irrigation Canal	3.0km	2							

Water Supply System Data Base

Serial No.	Site No.	WSS ID	B-9 Water Quality											B-10 Availability of alternative water source, if operation of water supply service is seasonal or service is stopping.				C. Aqueduct (conduit from water source to a reservoir or distribution ta					
																		C-1	C-2	C-3	C-4			
			pH	Temperature (°C)	EC (mS/m)	TDS (mg/l)	Total Coli.	E. Coli	Fe (mg/l)	F (mg/l)	As (mg/l)	Residual Chlorine (mg/l)	NO_3 (mg/l)	Type of Water Source	Specify for Other	Distance from the nearest water source	Times of Fetching (times/day)	Diameter of Pipe (mm)	Material of Pipe	Length of Conduit (km)	Condition of Pipe		Specify for Partially Deteriorated	What is the Problem
29	15	R-28	5.1	16	33.4	166	0	1	0.05	0.4	< 0.3	< 0.2	< 1	4: Other	Vakhsh river	0.5km	not limited							
30	16	R-12	5.9	17	32.5	165	1	1	0.05	0.4	< 0.2	< 0.2	1	3: Irrigation canal		0.9km	1							
31	17	R-29	6.7	15	66.4	337	0	1	0.5	0.4	< 0.3	< 0.2	< 1	3: Irrigation canal		0.3km	4							
32	18	R-15												3: Irrigation canal		0.5km	2							
33	19	R-30												3: Irrigation canal		0.4km	2							
34	20	R-33	5.9	16	33.4	172	0	1	0.05	0.4	< 0.2	< 0.1	< 2	3: Irrigation canal		0.3km	4							
35	21	R-01												3: Irrigation canal		0.7km	3							
36	22	R-18	5.7	15	33.9	165	1	1	0.05	0.4	< 0.2	0.2	1	3: Irrigation canal		0.2km	3							

Water Supply System Data Base

Serial No.	File No.	WSS ID	B-9 Water Quality											B-10 Availability of alternative water source, if operation of water supply service is seasonal or service is stopping.				C. Aqueduct (conduit from water source to a reservoir or distribution ta			C-4			
			pH	Temperature (°C)	EC (mS/m)	TDS (mg/l)	Total Coli.	E. Coli	Fe (mg/l)	F (mg/l)	As (mg/l)	Rsidual Chlorine (mg/l)	NO_3 (mg/l)	Type of Water Source	Specify for Other	Distance from the nearest water source	Times of Fetching (times/day)	C-1 Diameter of Pipe (mm)	C-2 Material of Pipe	C-3 Length of Conduit (km)	Condition of Pipe		Specify for Partially Deteriorated	What is the Problem
37	23	R-17	6.2	17	33.3	165	0	1	0.05	0.4	< 0.2	< 0.2	< 1	1: Vakhsh Conduit	Irrigation Canal	0.4km	3							
38	24	R-18												3: Irrigation canal		3.0km	3							
39	25	R-19												3: Irrigation canal		0.3km	3	219	cast-iron and steel	0.3	1: No problem			
40	26	R-20												3: Irrigation canal		50m	3	150	steel	0.12	1: No problem			
41	27	R-34												3: Irrigation canal		0.6km	2							
42	28	R-21												1: Vakhsh Conduit	Irrigation Canal	1.0km	3	219	steel	0.04	1: No problem			

Water Supply System Data Base

Serial No.	File No.	WSS ID	B-9 Water Quality											B-10 Availability of alternative water source, if operation of water supply service is seasonal or service is stopping.				C-1	C-2	C-3	C-4			
			pH	Temperature (°C)	EC (mS/m)	TDS (mg/l)	Total Coli.	E. Coli	Fe (mg/l)	F (mg/l)	As (mg/l)	Rsidual Chlorine (mg/l)	NO_3 (mg/l)	Type of Water Source	Specify for Other	Distance from the nearest water source	Times of Fetching (times/day)	Diameter of Pipe (mm)	Material of Pipe	Length of Conduit (km)	Condition of Pipe		Specify for Partially Deteriorated	What is the Problem
43	29	R-02												3: Irrigation canal		0.7km	3							
44	30	R-23												3: Irrigation canal		0.7km	3							
45	31	R-22												3: Irrigation canal		0.6km	3	150	steel	1	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Decrepit facility
46	32	R-24												3: Irrigation canal		0.6km	2							
47	33	R-39	5.9	12	33.5	152	0	1	0.05	0.4	< 0.2	< 0.2	< 1	3: Irrigation canal		0.7km	2							
48	34	R-03												3: Irrigation canal	Vakhsh river	0.8km	2							

Water Supply System Data Base

Serial No.	File No.	WSS ID	B-9 Water Quality											B-10 Availability of alternative water source, if operation of water supply service is seasonal or service is stopping.				C. Aqueduct (conduit from water source to a reservoir or distribution ta					
																		C-1	C-2	C-3	C-4		
			pH	Temperature (°C)	EC (mS/m)	TDS (mg/l)	Total Coli.	E. Coli	Fe (mg/l)	F (mg/l)	As (mg/l)	Rsidual Chlorine (mg/l)	NO_3 (mg/l)	Type of Water Source	Specify for Other	Distance from the nearest water source	Times of Fetching (times/day)	Diameter of Pipe (mm)	Material of Pipe	Length of Conduit (km)	Condition of Pipe		Specify for Partially Deteriorated	What is the Problem
49	35	R-36	5.3	15	32.3	162	0	0	0.05	0.4	< 0.2	< 1	< 2	1: Vakhsh Conduit		0.4km	not limited						
50	36	R-25												3: Irrigation canal		0.4km	3						
51	37	R-35	8.7	16	33.4	166	1	1	0.05	0.4	< 0.2	< 0.2	< 1	1: Vakhsh Conduit		0.5km	3						
52	38	R-31	5.5	17	32.5	168	0	0	0.04	0.4	< 0.2	< 0.2	< 1	1: Vakhsh Conduit	Groundwater of Uzun 1			720	steel	0.07	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Decrepit facility

Water Supply System Data Base

Serial No.	File No.	WSS ID	B-9 Water Quality											B-10 Availability of alternative water source, if operation of water supply service is seasonal or service is stopping.				C. Aqueduct (conduit from water source to a reservoir or distribution ta					
																		C-1	C-2	C-3	C-4		
			pH	Temperature (°C)	EC (mS/m)	TDS (mg/l)	Total Coli.	E. Coli	Fe (mg/l)	F (mg/l)	As (mg/l)	Rsidual Chlorine (mg/l)	NO_3 (mg/l)	Type of Water Source	Specify for Other	Distance from the nearest water source	Times of Fetching (times/day)	Diameter of Pipe (mm)	Material of Pipe	Length of Conduit (km)	Condition of Pipe		Specify for Partially Deteriorated	What is the Problem
53	39	R-26												3: Irrigation canal		0.8km	3	200	steel	0.6	2-1: Deteriorated (totally)	3: Urgent rehabilitation is required		Decrepit facility due to a lack of water in the Vakhsh conduit
54	1	J-02												3: Irrigation canal		0.4km	not limited							
55	2	J-01	5.6	16	33.3	164	1	1	0.05	0.4	< 0.2	< 0.2	< 1	3: Irrigation canal		0.6km	not limited	100-160	steel	2.2	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Maintenance of wells and partial replacement of sluice valve and pipes are necessary
56	3	J-03	5.5	16	32.3	165	1	1	0.05	<0.4	0.1	<0.2	<1	3: Irrigation canal		0.6km	not limited							
57	4	J-04	6.22	17	33.2	165	1	1	0.05	0.4	0.01	0.1	2	3: Irrigation canal		0.4km	not limited							
58	5	J-05	5.9	15	32.7	162	1	1	0.05	0.4	0.2	0.2	1	3: Irrigation canal		0.4km	not limited	100-150	cast-iron	1.2	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Maintenance of wells and partial replacement of sluice valve, pipes and taps are necessary

Water Supply System Data Base

Serial No.	File No.	WSS ID	B-9 Water Quality											B-10 Availability of alternative water source, if operation of water supply service is seasonal or service is stopping.				C-1	C-2	C-3	C-4			
			pH	Temperature (°C)	EC (mS/m)	TDS (mg/l)	Total Coli.	E. Coli	Fe (mg/l)	F (mg/l)	As (mg/l)	Rsidual Chlorine (mg/l)	NO_3 (mg/l)	Type of Water Source	Specify for Other	Distance from the nearest water source	Times of Fetching (times/day)	Diameter of Pipe (mm)	Material of Pipe	Length of Conduit (km)	Condition of Pipe		Specify for Partially Deteriorated	What is the Problem
59	6	J-06	5.1	16	33.4	168	1	1	0.05	0.4	0.1	0.2	1	4: Other	Vakhsh river	1.2km	not limited							
60	7	J-07												3: Irrigation canal		0.6km	not limited	219	steel	0.3	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Broken-down
61	8	J-09	5.2	12	31.7	161	1	1	0.05	0.4	0.01	0.2	1	3: Irrigation canal		0.5km	not limited	500	steel	1.2	1: No problem			
62	9	J-10												3: Irrigation canal		0.7km	not limited	100	steel	1.6	2-1: Deteriorated (totally)	3: Urgent rehabilitation is required		Corroded conduit
63	10	J-08												3: Irrigation canal		0.6km	not limited							
64	11	J-11												3: Irrigation canal		0.6km	not limited							
65	12	J-12												3: Irrigation canal		0.8km	not limited	219	steel	1.2	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Decrepit facility

Water Supply System Data Base

Serial No.	File No.	WSS ID	B-9 Water Quality											B-10 Availability of alternative water source, if operation of water supply service is seasonal or service is stopping.				C. Aqueduct (conduit from water source to a reservoir or distribution tai			C-4			
																		C-1	C-2	C-3	Condition of Pipe		Specify for Partially Deteriorated	What is the Problem
			pH	Temperature (°C)	EC (mS/m)	TDS (mg/l)	Total Coli.	E. Coli	Fe (mg/l)	F (mg/l)	As (mg/l)	Rsidual Chlorine (mg/l)	NO_3 (mg/l)	Type of Water Source	Specify for Other	Distance from the nearest water source	Times of Fetching (times/day)	Diameter of Pipe (mm)	Material of Pipe	Length of Conduit (km)				
66	13	J-13	5.13	16	33.4	136	6	4	0.05	0.4	0.01	0.2	2	3: Irrigation canal	Vakhsh river	1.2km	not limited	425	steel	7.2	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required	50%	Lack of water in the Vakhsh conduit
67	14	J-14														0.3km	not limited	273	steel	0.2	1: No problem			
68	1	N-03	8.3	16	33.4	166	1	1	0.05	0.4	<0.2	0.2	1	3: Irrigation canal		0.4km	2	76	steel	0.03	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		No operator
69	2	N-01	9	16	33.4	166	1	1	0.05	0.4	<0.2	0.2	1	3: Irrigation canal		0.5km	2	273	steel	0.7	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Decrepit facility
70	3	N-02												3: Irrigation canal		0.3km	3	76	steel	3.5	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Corroded conduit

Water Supply System Data Base

Serial No.	File No.	WSS ID	B-9 Water Quality											B-10 Availability of alternative water source, if operation of water supply service is seasonal or service is stopping.				C. Aqueduct (conduit from water source to a reservoir or distribution ta						
																		C-1	C-2	C-3	C-4			
			pH	Temperature (°C)	EC (mS/m)	TDS (mg/l)	Total Coli.	E. Coli	Fe (mg/l)	F (mg/l)	As (mg/l)	Rsidual Chlorine (mg/l)	NO_3 (mg/l)	Type of Water Source	Specify for Other	Distance from the nearest water source	Times of Fetching (times/day)	Diameter of Pipe (mm)	Material of Pipe	Length of Conduit (km)	Condition of Pipe		Specify for Partially Deteriorated	What is the Problem
71	1	P-15												3: Irrigation canal										
72	2	P-05												2: Groundwater	Irrigation canal		not limited	150	steel	0.08	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Decrepit facility
73	3	P-02												3: Irrigation canal			not limited	114	steel	0.03	1: No problem			
74	4	P-06												3: Irrigation canal		0.2km	not limited	150	steel	0.3	1: No problem			
75	5	P-09												3: Irrigation canal	hand-pump		not limited	114	steel	0.08	1: No problem			
76	6	P-03	9	18	33.4	166	1	1	0.05	0.4	<0.2	0.2	1	2: Groundwater	3: Irrigation canal		not limited	150	steel	0.2	1: No problem			

Water Supply System Data Base

Serial No.	File No.	WSS ID	B-9 Water Quality											B-10 Availability of alternative water source, if operation of water supply service is seasonal or service is stopping.				C. Aqueduct (conduit from water source to a reservoir or distribution ta						
																		C-1	C-2	C-3	C-4			
			pH	Temperature (°C)	EC (mS/m)	TDS (mg/l)	Total Coli.	E. Coli	Fe (mg/l)	F (mg/l)	As (mg/l)	Rsidual Chlorine (mg/l)	NO_3 (mg/l)	Type of Water Source	Specify for Other	Distance from the nearest water source	Times of Fetching (times/day)	Diameter of Pipe (mm)	Material of Pipe	Length of Conduit (km)	Condition of Pipe		Specify for Partially Deteriorated	What is the Problem
77	7	P-04	9	16	33.4	166	1	1	0.05	0.4	< 0.2	< 0.2	< 1	2: Groundwater			not limited	150	steel	0.5	1: No problem			
78	8	P-07	9	16	33.4	166	1	1	0.05	0.4	<0.2	0.2	1	2: Groundwater	3: Irrigation canal		not limited	150	steel	0.01	1: No problem			
79	9	P-08	9	16	33.4	166	1	1	0.05	0.4	<0.2	0.2	1	2: Groundwater										
80	10	P-10	5.8	17	37.4	177	1	1	< 0.4	0.4	< 0.2	< 0.2	< 2					219-273	steel	9.8	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Decrepit facility
81	11	P-13												2: Groundwater			not limited	150	steel	0.15	1: No problem			

Water Supply System Data Base

Serial No.	File No.	WSS ID	B-9 Water Quality											B-10 Availability of alternative water source, if operation of water supply service is seasonal or service is stopping.				C. Aqueduct (conduit from water source to a reservoir or distribution tar			C-4			
			pH	Temperature (°C)	EC (mS/m)	TDS (mg/l)	Total Coli.	E. Coli	Fe (mg/l)	F (mg/l)	As (mg/l)	Rsidual Chlorine (mg/l)	NO_3 (mg/l)	Type of Water Source	Specify for Other	Distance from the nearest water source	Times of Fetching (times/day)	C-1 Diameter of Pipe (mm)	C-2 Material of Pipe	C-3 Length of Conduit (km)	Condition of Pipe		Specify for Partially Deteriorated	What is the Problem
82	12	P-16												2: Groundwater			not limited	150	steel	0.15	1: No problem			
83	13	P-11												2: Groundwater				150	steel	0.01	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Decrepit facility
84	14	P-01												2: Groundwater			not limited							
85	15	P-14												3: Irrigation canal			not limited	100	steel	0.05	1: No problem			
86	16	P-12												3: Irrigation canal			not limited	114	steel	0.08	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Decrepit facility
87	1	Q-01	6.4	18	33.4	154	1	1	0.5	0.4	< 0.2	< 0.2	< 1	3: Irrigation canal		0.1km	3	250	steel	0.1	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Decrepit facility
88	2	Q-02												3: Irrigation canal		0.5km	not limited				2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		No pump is installed and problem of conduit network

Water Supply System Data Base

Serial No.	File No.	WSS ID	B-9 Water Quality											B-10 Availability of alternative water source, if operation of water supply service is seasonal or service is stopping.				C-1	C-2	C-3	C-4			
			pH	Temperature (°C)	EC (mS/m)	TDS (mg/l)	Total Coli.	E. Coli	Fe (mg/l)	F (mg/l)	As (mg/l)	Rsidual Chlorine (mg/l)	NO_3 (mg/l)	Type of Water Source	Specify for Other	Distance from the nearest water source	Times of Fetching (times/day)	Diameter of Pipe (mm)	Material of Pipe	Length of Conduit (km)	Condition of Pipe		Specify for Partially Deteriorated	What is the Problem
89	3	Q-06												3: Irrigation canal		0.8km	not limited							
90	4	Q-03												3: Irrigation canal		0.7km	not limited							
91	5	Q-07												3: Irrigation canal		0.7km	not limited							
92	6	Q-08												3: Irrigation canal		0.8km	not limited	425	steel	2.2	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		No operator
93	7	Q-04												3: Irrigation canal		0.7km	not limited	225	steel	0.22	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Decrepit facility

Water Supply System Data Base

Serial No.	File No.	WSS ID	B-9 Water Quality											B-10 Availability of alternative water source, if operation of water supply service is seasonal or service is stopping.				C. Aqueduct (conduit from water source to a reservoir or distribution tan					
			pH	Temperature (°C)	EC (mS/m)	TDS (mg/l)	Total Coli.	E. Coli	Fe (mg/l)	F (mg/l)	As (mg/l)	Rsidual Chlorine (mg/l)	NO_3 (mg/l)	Type of Water Source	Specify for Other	Distance from the nearest water source	Times of Fetching (times/day)	C-1 Diameter of Pipe (mm)	C-2 Material of Pipe	C-3 Length of Conduit (km)	C-4 Condition of Pipe		Specify for Partially Deteriorated	What is the Problem
94	8	Q-05												3: Irrigation canal		0.8km	not limited	219	steel	7	1: No problem			
95	1	S-03	5.9	18	33.7	156	1	1	0.05	0.2	< 0.2	< 0.4	< 2	3: Irrigation canal		0.5km	not limited	150	steel	0.2	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Decrepit facility
96	2	S-07	5.9	18	33.7	156	1	1	0.05	0.2	< 0.2	<0.2	< 2	3: Irrigation canal	Kofarnihon river	0.3km	not limited							
97	3	S-02												3: Irrigation canal		0.3km	3							
98	4	S-04	7.4	18	92.2	470	0	0	0.05	0	< 0.2	< 0.1	2	3: Irrigation canal		0.4km	2	150	steel	6.3	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Decrepit facility
99	5	S-09	7.3	18	120.2	628	0	0	0.05	0.2	< 0.2	< 0.1	< 1	2: Groundwater		0.2km	3	219	steel	0.3	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Decrepit facility
100	6	S-05	5.9	18	33.7	156	1	0	0.05	0.2	< 0.2	0.2	2	3: Irrigation canal		0.5km	2	300	steel	0.7	1: No problem			
101	7	S-08	5.9	18	33.7	156	1	1	0.05	0.2	< 0.2	0.4	2	3: Irrigation canal		0.4km	2	150	steel	0.1	1: No problem			

Water Supply System Data Base

Serial No.	File No.	WSS ID	B-9 Water Quality										B-10 Availability of alternative water source, if operation of water supply service is seasonal or service is stopping.				C. Aqueduct (conduit from water source to a reservoir or distribution tan					
			pH	Temperature (°C)	EC (mS/m)	TDS (mg/l)	Total Coli.	E. Coli	Fe (mg/l)	F (mg/l)	As (mg/l)	Rsidual Chlorine (mg/l)	NO_3 (mg/l)	Type of Water Source	Specify for Other	Distance from the nearest water source	Times of Fetching (times/day)	C-1 Diameter of Pipe (mm)	C-2 Material of Pipe	C-3 Length of Conduit (km)	C-4 Condition of Pipe		Specify for Partially Deteriorated	What is the Problem
102	8	S-10	7.4	18	33.7	456	0	0	< 0.05	0.2	< 0.2	< 0.1	< 2	3: Irrigation canal		0.5km	3						
103	9	S-01	5.9	18	33.7	156	0	1	0.05	0.2	< 0.2	< 0.4	< 2	4: Other	Kofarnihon river	0.3km	3						
104	10	S-06												3: Irrigation canal	Kofarnihon River	0.4km	3	300	steel	0.25	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Decrepit facility
105	1	V-01												3: Irrigation canal	Vahshskoe between economic pluming	0.2km	2							
106	2	V-05	5.4	18.5	66.5	164	0	0	0.05	< 0.4	< 0.2	0.2	2	3: Irrigation canal		0.5km	not limited	219	steel	0.065	1: No problem			
107	3	V-02												3: Irrigation canal		0.5km	not limited	273	steel	0.08	1: No problem			
108	4	V-03												3: Irrigation canal		0.3km	2	150	steel	0.2	1: No problem			
109	5	V-04												3: Irrigation canal		0.6km	not limited	219	steel	0.16	1: No problem			
110	6	V-06												3: Irrigation canal		0.3km	3							
111	7	V-07												3: Irrigation canal		0.3km	not limited							
112	8	V-08												3: Irrigation canal		0.4km	not limited	530	steel	0.018	1: No problem			
113	9	V-09												3: Irrigation canal		0.6km	not limited	530	steel	1.2	1: No problem			

Water Supply System Data Base

Serial No.	File No.	WSS ID	B-9 Water Quality											B-10 Availability of alternative water source, if operation of water supply service is seasonal or service is stopping.				C. Aqueduct (conduit from water source to a reservoir or distribution ta					
																		C-1	C-2	C-3	C-4		
			pH	Temperature (°C)	EC (mS/m)	TDS (mg/l)	Total Coli.	E. Coli	Fe (mg/l)	F (mg/l)	As (mg/l)	Rsidual Chlorine (mg/l)	NO_3 (mg/l)	Type of Water Source	Specify for Other	Distance from the nearest water source	Times of Fetching (times/day)	Diameter of Pipe (mm)	Material of Pipe	Length of Conduit (km)	Condition of Pipe		Specify for Partially Deteriorated	What is the Problem
114	10	V-10												3: Irrigation canal		0.2km	not limited							
115	11	V-12												3: Irrigation canal		1.2km	not limited							
116	12	V-14												3: Irrigation canal		0.8km	not limited							
117	13	V-13												3: Irrigation canal		0.6km	not limited							
118	14	V-11												3: Irrigation canal		0.6km	not limited							
119	15	V-15												3: Irrigation canal		0.3km	not limited	225	steel	0.07	1: No problem			

Water Supply System Data Base

nk)			C-5					D. Reservoir										E. Chlorination System				
			Valve					Coordinates			D-1	D-2		D-3		D-4				E-1	E-2	F-1	F-2	F-3
Serial No.	File No.	WSS ID	Sluice Valve	Check Valve	Air Valve	Other		Latitude N	Longitude E	Altitude (m)	Capacity (m^3)	Material of Reservoir	Specify for Other	Water Level: High Water Level (m)	Water Level: Low Water Level (m)	Condition of Reservoir		Specify for Partially Deteriorated	What is the Problem	E-1 Facility	Agent Used for Chlorination	Diameter of Pipe (mm)	Material of Pipe	Distance of Water Line (km)
1	1	K-10	4p-d 150 mm	2p-d 150 mm	2p-d 50 mm	Pit 2 kits d1.5 m		37°19.724	068°11.320	374	1000	1: Concrete		4.8	0.5	1: No problem				2: Not installed		200	Steel	0.32
2	2	K-08																		2: Not installed				
3	3	K-03	2p-d 100 mm	1p-d 100 mm																				
4	4	K-09																		2: Not installed				
5	5	K-12	2p-d 100 mm, 2p-d 150 mm	1p-d 150 mm	1p-d 25 mm															2: Not installed				
6	6	K-02	3p-d80mm	1p-d80mm																1: Installed	Chloride lime			
7	7	K-05	4p-d150 mm	2p-d150 mm	1p-d25 mm	Valve: 3p-d20 mm		37°04.716	068°08.223	349	40	2: Steel		6	0.2	1: No problem								

Water Supply System Data Base

Serial No.	File No.	WSS ID	C-5 Valve				D. Reservoir										E. Chlorination System		F-1	F-2	F-3
							Coordinates			D-1	D-2		D-3		D-4				E-1	E-2			
			Sluice Valve	Check Valve	Air Valve	Other	Latitude N	Longitude E	Altitude (m)	Capacity (m^3)	Material of Reservoir	Specify for Other	Water Level: High Water Level (m)	Water Level: Low Water Level (m)	Condition of Reservoir		Specify for Partially Deteriorated	What is the Problem	E-1 Facility	Agent Used for Chlorination	Diameter of Pipe (mm)	Material of Pipe	Distance of Water Line (km)
8	8	K-01	15p-d200 mm	2p-d 200mm	1p-d32 mm	Valve: 2p-d25 mm	37°23.974	068°09.901	384	500 (2p)	1: Concrete		3.8	0.5	1: No problem								
9	9	K-14	2p-d150mm	1p-d150mm	1p-d25mm	Valve: 1p-d20 mm													1: Installed	Chloric lime			
10	10	K-06	5p-d 100 mm	3p-d 50 mm	2p-d 32 mm														2: Not installed				
11	11	K-04	4p-d 150 mm	2p-d 150 mm	2p-d 32 mm	Pit: 4 kit d 1.0 m													2: Not installed				
12	12	K-13	4p-d 150 mm	2p-d 150 mm	1p-d 25 mm	Pit: 2 kit d 1.0 m													2: Not installed				
13	13	K-11	4p-d50mm	2p-d150 mm	2p-d50mm	Pit: 2kit-d1.0 m	37°09.852	068°13.982	387	250 (1p) 500 (2p)	1: Concrete		4.5	0.5	1: No problem				2: Not installed				
14	14	K-07	6p-d50mm	2p-d150 mm	2p-d20mm														2: Not installed				
15	1	R-37																	2: Not installed				

Water Supply System Data Base

Serial No.	File No.	WSS ID	C-5 Valve: Sluice Valve	Check Valve	Air Valve	Other		D. Reservoir: Coordinates Latitude N	Longitude E	Altitude (m)	D-1 Capacity (m^3)	D-2 Material of Reservoir	Specify for Other	D-3 Water Level: High Water Level (m)	Low Water Level (m)	D-4 Condition of Reservoir		Specify for Partialy Deteriorated	What is the Problem	E. Chlorination System E-1 E-1 Facility	E-2 Agent Used for Chlorination	F-1 Diameter of Pipe (mm)	F-2 Material of Pipe	F-3 Distance of Water Line (km)
16	2	R-06	2p-d 150 mm	2p-d 150 mm				37°35.848	068°39.277	370	60	1: Concrete		2.3	0.3	1: No problem				2: Not installed				
17	3	R-04																						
18	4	R-05						37°38.027	068°39.367	374	2000 (2p)	1: Concrete		4	0.7	1: No problem				1: Installed	chloric lime			
19	5	R-38																		2: Not installed				
20	6	R-32																						
21	7	R-07																						

Water Supply System Data Base

nk)									D. Reservoir										E. Chlorination System				
			C-5 Valve					Coordinates			D-1	D-2		D-3		D-4				E-1	E-2	F-1	F-2	F-3
Serial No.	File No.	WSS ID	Sluice Valve	Check Valve	Air Valve	Other		Latitude N	Longitude E	Altitude (m)	Capacity (m^3)	Material of Reservoir	Specify for Other	Water Level: High Water Level (m)	Water Level: Low Water Level (m)	Condition of Reservoir		Specify for Partially Deteriorated	What is the Problem	E-1 Facility	Agent Used for Chlorination	Diameter of Pipe (mm)	Material of Pipe	Distance of Water Line (km)
22	8	R-08	2p-d 400 mm	4p-d 200 mm	4p-d 25 mm			37°28.631	068°37.889	384	500	1: Concrete		3.6	0.5	1: No problem				1: Installed	Chloride of lime	325	Steel	0.02
23	9	R-09																						
24	10	R-27	2p-d 150 mm		1p-d 20 mm			37°38.323	068°37.381	369	1000	1: Concrete		3.8	0.5	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		No operator	2: Not installed		150	Steel	0.1
25	11	R-10																						
26	12	R-11																		2: Not installed				
27	13	R-13																						
28	14	R-14																		2: Not installed				

Water Supply System Data Base

nk)			C-5 Valve					D. Reservoir											E. Chlorination System				
								Coordinates			D-1	D-2		D-3 Water Level		D-4				E-1	E-2	F-1	F-2	F-3
Serial No.	File No.	WSS ID	Sluice Valve	Check Valve	Air Valve	Other		Latitude N	Longitude E	Altitude (m)	Capacity (m^3)	Material of Reservoir	Specify for Other	High Water Level (m)	Low Water Level (m)	Condition of Reservoir		Specify for Partially Deteriorated	What is the Problem	E-1 Facility	Agent Used for Chlorination	Diameter of Pipe (mm)	Material of Pipe	Distance of Water Line (km)
29	15	R-28																					
30	16	R-12																	2: Not installed				
31	17	R-29																					
32	18	R-15																	2: Not installed				
33	19	R-30																					
34	20	R-33																	2: Not installed				
35	21	R-01																					
36	22	R-18																	2: Not installed				

Water Supply System Data Base

Serial No.	File No.	WSS ID	C-5 Valve: Sluice Valve	Check Valve	Air Valve	Other		D. Reservoir: Coordinates Latitude N	Longitude E	Altitude (m)	D-1 Capacity (m^3)	D-2 Material of Reservoir	Specify for Other	D-3 Water Level: High Water Level (m)	Low Water Level (m)	D-4 Condition of Reservoir		Specify for Partially Deteriorated	What is the Problem	E. Chlorination System E-1 Facility	E-2 Agent Used for Chlorination	F-1 Diameter of Pipe (mm)	F-2 Material of Pipe	F-3 Distance of Water Line (km)
37	23	R-17																		2: Not installed				
38	24	R-18																						
39	25	R-19	2p-d200 mm					37°33.324	068°39.540	385	500 (2p)	1: Concrete		3.6	0.5	1: No problem				2: Not installed		100-219	cast iron and steel	3
40	26	R-20	3p-d 100 mm	1p-d 150 mm	1p-d 32 mm																			
41	27	R-34																		2: Not installed				
42	28	R-21	2p-d 150 mm, 3p-d 100 mm	1p-d 100 mm	1p-d 15 mm			37°38.095	068°38' 324	372	80	1: Concrete		2.8	0.2	1: No problem				1: Installed	chloride of lime	100	steel	10

Water Supply System Data Base

nk)			C-5 Valve					D. Reservoir												E. Chlorination System				
								Coordinates			D-1	D-2		D-3		D-4				E-1	E-2	F-1	F-2	F-3
Serial No.	File No.	WSS ID	Sluice Valve	Check Valve	Air Valve	Other		Latitude N	Longitude E	Altitude (m)	Capacity (m^3)	Material of Reservoir	Specify for Other	Water Level: High Water Level (m)	Water Level: Low Water Level (m)	Condition of Reservoir		Specify for Partially Deteriorated	What is the Problem	E-1 Facility	Agent Used for Chlorination	Diameter of Pipe (mm)	Material of Pipe	Distance of Water Line (km)
43	29	R-02																		2: Not installed				
44	30	R-23																		2: Not installed				
45	31	R-22	11p-d 150 mm, 4p-d 200 mm, 8p-d 100 mm	4p-d 150 mm	4p-d 25 mm	Pit: 6 kits d 1.5 m		37°30.502	068°36.848	366	500	1: Concrete		3.5	0.5	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required			1: Installed	chloride of lime	219	steel	0.2
46	32	R-24																		2: Not installed				
47	33	R-39																		2: Not installed				
48	34	R-03																						

Water Supply System Data Base

nk)			C-5 Valve					D. Reservoir										E. Chlorination System				
								Coordinates			D-1	D-2		D-3		D-4				E-1	E-2	F-1	F-2	F-3
Serial No.	File No.	WSS ID	Sluice Valve	Check Valve	Air Valve	Other		Latitude N	Longitude E	Altitude (m)	Capacity (m^3)	Material of Reservoir	Specify for Other	Water Level: High Water Level (m)	Water Level: Low Water Level (m)	Condition of Reservoir		Specify for Partially Deteriorated	What is the Problem	E-1 Facility	Agent Used for Chlorination	Diameter of Pipe (mm)	Material of Pipe	Distance of Water Line (km)
49	35	R-36																						
50	36	R-25																						
51	37	R-35																						
52	38	R-31	4p-d800 mm	4p-d300mm	2p-d25mm	Valve: 3p-d25mm		37°30.502	068°36.848	372	2000 (2p)	1: Concrete		5	0.6	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Leakage of the reservoir and clogged pipe (d800mm)	1: Installed	chloride of lime	720	steel	0.09

Water Supply System Data Base

Serial No.	File No.	WSS ID	nk) C-5 Valve: Sluice Valve	Check Valve	Air Valve	Other		D. Reservoir: Coordinates Latitude N	Longitude E	Altitude (m)	D-1 Capacity (m^3)	D-2 Material of Reservoir	Specify for Other	D-3 Water Level: High Water Level (m)	Low Water Level (m)	D-4 Condition of Reservoir		Specify for Partially Deteriorated	What is the Problem	E. Chlorination System E-1 E-1 Facility	E-2 Agent Used for Chlorination	F-1 Diameter of Pipe (mm)	F-2 Material of Pipe	F-3 Distance of Water Line (km)
53	39	R-26	3p-d150mm, 3p-d200mm		2p-d32mm	Pit: 3kit-d1.5m		37°30.001	068°38.634	373	500 (2p)	1: Concrete		3.6	0.5	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Decrepit reservoir	2: Not installed		150	steel	0.14
54	1	J-02																		2: Not installed		80	steel	0.6
55	2	J-01	2 p- d 150 mm		1 p- d 32 mm															2: Not installed				
56	3	J-03																		2: Not installed				
57	4	J-04																		2: Not installed				
58	5	J-05	4 pcs-d 100 mm, 2 pcs-d150 mm																	2: Not installed				

Water Supply System Data Base

nk)			C-5 Valve					D. Reservoir										E. Chlorination System				
								Coordinates			D-1	D-2		D-3 Water Level		D-4				E-1	E-2	F-1	F-2	F-3
Serial No.	File No.	WSS ID	Sluice Valve	Check Valve	Air Valve	Other		Latitude N	Longitude E	Altitude (m)	Capacity (m^3)	Material of Reservoir	Specify for Other	High Water Level (m)	Low Water Level (m)	Condition of Reservoir		Specify for Partially Deteriorated	What is the Problem	E-1 Facility	Agent Used for Chlorination	Diameter of Pipe (mm)	Material of Pipe	Distance of Water Line (km)
59	6	J-06																		2: Not installed				
60	7	J-07	2 pcs-d 150 mm; 2pcs-d 200mm; 4pcs-d 100 mm		2 pcs- d 32 mm			37°30.512	068°32.104	353	500	1: Concrete		3.4	0.5	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Decrepit facility	2: Not installed		150	steel	0.2
61	8	J-09	2 p-d 500 mm								1000	1: Concrete		3.8	0.5	1: No problem				1: Installed	chloride notify	219	steel	10
62	9	J-10			2 p-100 mm															2: Not installed				
63	10	J-08																						
64	11	J-11																		2: Not installed				
65	12	J-12	2 pcs - d 200 mm	2 pcs - d 150 mm	2 pcs - d 50 mm			37°32.005	068°28.455	365	500	1: Concrete		3.6	0.5	1: No problem				2: Not installed		168-219	steel	0.16

Water Supply System Data Base

nk)			C-5					D. Reservoir											E. Chlorination System				
			Valve					Coordinates			D-1	D-2		D-3		D-4				E-1	E-2	F-1	F-2	F-3
Serial No.	File No.	WSS ID	Sluice Valve	Check Valve	Air Valve	Other		Latitude N	Longitude E	Altitude (m)	Capacity (m^3)	Material of Reservoir	Specify for Other	Water Level		Condition of Reservoir		Specify for Partially Deteriorated	What is the Problem	E-1 Facility	Agent Used for Chlorination	Diameter of Pipe (mm)	Material of Pipe	Distance of Water Line (km)
														High Water Level (m)	Low Water Level (m)									
66	13	J-13	1p-d 400mm, 2p-d 300 mm		2p-d 25 mm			37°32.156	068°28.285	358	500	1: Concrete		3.6	0.3	1: No problem				2: Not installed				
67	14	J-14	5p-d 250 mm			Pit 3p-d 1.5m		37°29.373	068°34.678	357	1000	1: Concrete		3.6	0.5	1: No problem				2: Not installed		200	Steel	0.025
68	1	N-03	2p-d 80 mm	2p-d 50 mm	2p-d 32 mm	Pit: 2 kits d 1.5 m														2: Not installed				
69	2	N-01	9p-d 150 mm	3p-d 150 mm	3p-d 32 mm	Pit: 3 kit d 1.5 m		37°17.295	068°02.550	398	500	1: Concrete		3.4	0.3	1: No problem				1: Installed	chloride of lime	273	steel	120
70	3	N-02	3p-d 80 mm	1p-d 80 mm	1p-d 25 mm															2: Not installed				

Water Supply System Data Base

nk)			C-5					D. Reservoir												E. Chlorination System				
			Valve					Coordinates			D-1	D-2		D-3		D-4				E-1	E-2	F-1	F-2	F-3
Serial No.	File No.	WSS ID	Sluice Valve	Check Valve	Air Valve	Other		Latitude N	Longitude E	Altitude (m)	Capacity (m^3)	Material of Reservoir	Specify for Other	Water Level: High Water Level (m)	Water Level: Low Water Level (m)	Condition of Reservoir		Specify for Partially Deteriorated	What is the Problem	E-1 Facility	Agent Used for Chlorination	Diameter of Pipe (mm)	Material of Pipe	Distance of Water Line (km)
71	1	P-15																		2: Not installed		100	steel	0.08
72	2	P-05	2p-d 100 mm, 2p-d 150 mm	1p-d 150 mm	1p-d 20 mm	Pit: 2 kits d 1.5 m														2: Not installed				
73	3	P-02	2p-d 100 mm	1p-d 100 mm	1p-d 25 mm															1: Installed	chloride of lime			
74	4	P-06	6p-d 100 mm, 6p-d 150mm																	1: Installed	chloride of lime			
75	5	P-09	4p-d 100 mm, 4p-d 150 mm	2p-d 150 mm	2p-d 25 mm															2: Not installed				
76	6	P-03	2p-d 150 mm, 3p-d 100 mm	1p-d 150 mm	1p-d 20 mm															1: Installed	chloride of lime			

Water Supply System Data Base

Serial No.	File No.	WSS ID	C-5 Valve: Sluice Valve	Check Valve	Air Valve	Other		D. Reservoir: Coordinates Latitude N	Longitude E	Altitude (m)	D-1 Capacity (m^3)	D-2 Material of Reservoir	Specify for Other	D-3 Water Level: High Water Level (m)	Low Water Level (m)	D-4 Condition of Reservoir		Specify for Partially Deteriorated	What is the Problem	E. Chlorination System E-1 Facility	E-2 Agent Used for Chlorination	F-1 Diameter of Pipe (mm)	F-2 Material of Pipe	F-3 Distance of Water Line (km)
77	7	P-04	12p-d 150 mm, 6p-d 100 mm		6p-d 25 mm															1: Installed	chloride of lime			
78	8	P-07	3p-d 100 mm	1p-d 150 mm	1p-d 25 mm															2: Not installed				
79	9	P-08																		1: Installed	chloric lime	159	steel	0.22
80	10	P-10	4p-d 200mm	2p-d 200mm	2p-d 32mm	Pit 4kit d 1.5m		37°18.009	069° 08.154	629	500	1: Concrete		5	0.6	1: No problem				2: Not installed		219	steel	0.8
81	11	P-13	2p-d 150 mm, 4p-d 100 mm	2p-d 150 mm	1p-d25mm															2: Not installed				

Water Supply System Data Base

Serial No.	File No.	WSS ID	C-5 Valve: Sluice Valve	C-5 Valve: Check Valve	C-5 Valve: Air Valve	C-5 Valve: Other		D. Reservoir: Coordinates: Latitude N	Longitude E	Altitude (m)	D-1: Capacity (m^3)	D-2: Material of Reservoir	D-2: Specify for Other	D-3: Water Level: High Water Level (m)	Low Water Level (m)	D-4: Condition of Reservoir		Specify for Partially Deteriorated	What is the Problem	E. Chlorination System: E-1 Facility	E-2 Agent Used for Chlorination	F-1 Diameter of Pipe (mm)	F-2 Material of Pipe	F-3 Distance of Water Line (km)
82	12	P-16	2p-d 150 mm 2p-d 100 mm	1p-d 150 mm	1p-d 20 mm															2: Not installed				
83	13	P-11	2p-d 100 mm, 2p-d 150 mm	1p-d 150 mm	1p-d 25 mm															2: Not installed				
84	14	P-01																		2: Not installed		100	steel	0.16
85	15	P-14	2p-d 100 mm	2p-d 15 mm	1p-d 25 mm															2: Not installed				
86	16	P-12	2p-d 100 mm																	2: Not installed				
87	1	Q-01	3p-d 250 mm					37°21.435	068°46.577	382	500 (2pcs) 2000 (1pc)	1: Concrete		4.5	0.5	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Decrepit facility	2: Not installed		250	steel	0.03
88	2	Q-02																		2: Not installed				

Water Supply System Data Base

nk)			C-5					D. Reservoir										E. Chlorination System				
			Valve					Coordinates			D-1	D-2		D-3		D-4				E-1	E-2	F-1	F-2	F-3
Serial No.	File No.	WSS ID	Sluice Valve	Check Valve	Air Valve	Other		Latitude N	Longitude E	Altitude (m)	Capacity (m^3)	Material of Reservoir	Specify for Other	Water Level		Condition of Reservoir		Specify for Partially Deteriorated	What is the Problem	E-1 Facility	Agent Used for Chlorination	Diameter of Pipe (mm)	Material of Pipe	Distance of Water Line (km)
														High Water Level (m)	Low Water Level (m)									
89	3	Q-06																		2: Not installed				
90	4	Q-03																		2: Not installed				
91	5	Q-07																		2: Not installed				
92	6	Q-08	6 pc -d 400 mm		2 pc - d 32 mm	Pit 3x3 m - 2 kit		37°17.995	068°44.280	360	8000 (3p) open type	1: Concrete		10	0.3	1: No problem				1: Installed	Liquid chlorine	325-425	steel	0.32
93	7	Q-04	12pcs d 150mm, 12pcs d 200mm	3pcs d 250mm	4 pcs d 50 mm	Valve, 8 pcs d 32 mm	4 pits- d 1.5 m	37°20.831	068°42.208	380	1000 (3pcs)	1: Concrete		4.6	0.6	1: No problem				1: Installed	chlorinate	168	steel	0.24

Water Supply System Data Base

nk)			C-5 Valve					D. Reservoir										E. Chlorination System				
								Coordinates			D-1	D-2		D-3		D-4				E-1	E-2	F-1	F-2	F-3
Serial No.	File No.	WSS ID	Sluice Valve	Check Valve	Air Valve	Other		Latitude N	Longitude E	Altitude (m)	Capacity (m^3)	Material of Reservoir	Specify for Other	Water Level: High Water Level (m)	Water Level: Low Water Level (m)	Condition of Reservoir		Specify for Partially Deteriorated	What is the Problem	E-1 Facility	Agent Used for Chlorination	Diameter of Pipe (mm)	Material of Pipe	Distance of Water Line (km)
94	8	Q-05	2p-d 200mm		4pcs-d 50mm			37°24.155	068°39.265	378	500 (2pcs)	1: Concrete		3.5	0.5	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Necessary to repair the reservoir (capacity: 500m3) No. 1 and No.2	2: Not installed		219	steel	0.1
95	1	S-03	7p-d 50 mm, 5p-d 100 mm, 2p-d 150 mm																	2: Not installed				
96	2	S-07																		1: Installed	Chloride of lime	159	steel	0.3
97	3	S-02																		2: Not installed				
98	4	S-04																		1: Installed	Chloride of lime			
99	5	S-09						37°15.414	068°06.445	359	100	1: Concrete		3.2	0.3	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Decrepit facility	2: Not installed				
100	6	S-05	2p-d 300 mm, 3p-d 150 mm	2p-d 200 mm	2p-d 25 mm															2: Not installed				
101	7	S-08	2p-d 150 mm, 2p-d 100 mm	1p-d 150 mm	1p-d 25 mm															2: Not installed				

Water Supply System Data Base

Serial No.	File No.	WSS ID	C-5 Valve: Sluice Valve	Check Valve	Air Valve	Other		D. Reservoir: Coordinates Latitude N	Longitude E	Altitude (m)	D-1 Capacity (m^3)	D-2 Material of Reservoir	Specify for Other	D-3 Water Level: High Water Level (m)	Low Water Level (m)	D-4 Condition of Reservoir		Specify for Partially Deteriorated	What is the Problem	E. Chlorination System E-1 Facility	E-2 Agent Used for Chlorination	F-1 Diameter of Pipe (mm)	F-2 Material of Pipe	F-3 Distance of Water Line (km)
102	8	S-10																		2: Not installed				
103	9	S-01																		2: Not installed		159	steel	7.5
104	10	S-06	12p-d 250 mm	3p-d 25 mm	3p-d 20 mm			37°15.810	068°08.295	363	2000	1: Concrete		4.8	0.5	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Not operating	2: Not installed		426	steel	0.25
105	1	V-01																		2: Not installed				
106	2	V-05	4p-d 200 mm					37°48.317	068°52.694	434	500	1: Concrete		3.8	0.5	1: No problem				1: Installed	Chloride of lime	219	steel	0.022
107	3	V-02	2p-d 200 mm	2p-d 200 mm	1p-d 25 mm	Valve 2p-d 100 mm		37°48.377	068°52.714	439	500	1: Concrete		2.8	0.5	1: No problem				1: Installed	Chloride of lime	200	steel	0.065
108	4	V-03	2p-d 150 mm	1p-d 150 mm	1p-d 25 mm			37°48.210	068°52.575	431	500	1: Concrete		3.8	0.5	1: No problem				1: Installed	Chloride of lime	150	steel	0.3
109	5	V-04	2p-d 200 mm					37°46.421	068°51.521	443	1000	1: Concrete		3.8	0.5	1: No problem				1: Installed	Chloride of lime	219	steel	0.022
110	6	V-06																		2: Not installed				
111	7	V-07																		1: Installed	chloric lime (Station 1)			
112	8	V-08	2p-d 500 mm	2p-d 50 mm	1p-d 25 mm			37°45.738	068°52.253	443	500	1: Concrete		3.6	0.5	1: No problem				1: Installed	Chloride of lime	325	steel	0.9
113	9	V-09						37°42.855	068° 51.132	438	500	1: Concrete		3.8	0.5	1: No problem				1: Installed	Chloride of lime	325	steel	0.01

Water Supply System Data Base

nk)			C-5					D. Reservoir											E. Chlorination System				
			Valve					Coordinates			D-1	D-2		D-3		D-4				E-1	E-2	F-1	F-2	F-3 .
Serial No.	File No.	WSS ID	Sluice Valve	Check Valve	Air Valve	Other		Latitude N	Longitude E	Altitude (m)	Capacity (m^3)	Material of Reservoir	Specify for Other	Water Level		Condition of Reservoir		Specify for Partially Deteriorated	What is the Problem	E-1 Facility	Agent Used for Chlorination	Diameter of Pipe (mm)	Material of Pipe	Distance of Water Line (km)
														High Water Level (m)	Low Water Level (m)									
114	10	V-10																						
115	11	V-12																						
116	12	V-14																						
117	13	V-13																						
118	14	V-11																						
119	15	V-15	3p- d200mm	2p- d15mm	1p- d15mm	Pit: 3kits d 1.5m		37°49.138	068°47.572	434	1000	1: Concrete		4.8	0.5	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Incomplete facility					

Water Supply System Data Base

Aqueduct, Transmission, Tank, Distribution, etc.																						
F. Transmission line (water line from reservoir to distribution tank)													G. Distribution Tank									
			F-4				F-5				Coordinates			G-1		G-2	G-3		G-4			
Serial No.	File No.	WSS ID	Condition of Pipe		Specify for Partially Deteriorated	What is the Problem	Valve				Latitude N	Longitude E	Altitude (m)	Type	Specify for Other	Capacity (m^3)	Material of Tank	Specify for Other	Condition of Reservoir			
							Sluice Valve	Air Valve	Other													
1	1	K-10	1: No problem				4p-d 200 mm	3p-d 32 mm	Pit ,4 kits d 1.0 m		37°19.724	068°11.320	386	1: Elevated		25	2: Steel		2-2: Deteriorated (partially)		3: Urgent rehabilitation is required	
2	2	K-08									32°24.252	068°10.983	402	1: Elevated		25	2: Steel		1: No problem			
3	3	K-03									37°24.252	068°10.982	398	1: Elevated		25	2: Steel		2-2: Deteriorated (partially)		3: Urgent rehabilitation is required	
4	4	K-09									37°28.219	068°09.992	410	1: Elevated		25	2: Steel		2-2: Deteriorated (partially)		3: Urgent rehabilitation is required	
5	5	K-12									37°25.457	068°11.343	426	1: Elevated		25	2: Steel		2-2: Deteriorated (partially)		3: Urgent rehabilitation is required	
6	6	K-02												1: Elevated		25	2: Steel		2-2: Deteriorated (partially)		3: Urgent rehabilitation is required	
7	7	K-05									37°04.554	068°07.098	341	1: Elevated		40	2: Steel		1: No problem			

Water Supply System Data Base

Serial No.	File No.	WSS ID	F. Transmission line (water line from reservoir to distribution tank)								G. Distribution Tank								
			F-4				F-5				Coordinates			G-1		G-2	G-3		G-4
			Condition of Pipe		Specify for Partially Deteriorated	What is the Problem	Valve							Type	Specify for Other	Capacity (m^3)	Material of Tank	Specify for Other	Condition of Reservoir
							Sluice Valve	Air Valve	Other		Latitude N	Longitude E	Altitude (m)						
8	8	K-01																	
9	9	K-14									37°20.101	068°12.001	379	1: Elevated		20	2: Steel		1: No problem
10	10	K-06									37°20.300	068°01.003	390	1: Elevated		25	2: Steel		2-2: Deteriorated (partially)	3: Urgent rehabilitation is required
11	11	K-04																	
12	12	K-13									37°11.474	068°13.063	372	1: Elevated		25	2: Steel		1: No problem
13	13	K-11																	
14	14	K-07									37°11.860	068°12.836	380	1: Elevated		25	2: Steel		1: No problem
15	1	R-37																	

Water Supply System Data Base

Serial No.	File No.	WSS ID	F. Transmission line (water line from reservoir to distribution tank)								G. Distribution Tank							
			F-4				F-5				Coordinates			G-1	G-2	G-3		G-4
			Condition of Pipe		Specify for Partially Deteriorated	What is the Problem	Valve				Latitude N	Longitude E	Altitude (m)	Type	Specify for Other	Capacity (m^3)	Material of Tank	Specify for Other	Condition of Reservoir	
							Sluice Valve	Air Valve	Other											
16	2	R-06																		
17	3	R-04																		
18	4	R-05																		
19	5	R-38																		
20	6	R-32																		
21	7	R-07																		

Water Supply System Data Base

Serial No.	File No.	WSS ID	F. Transmission line (water line from reservoir to distribution tank)								G. Distribution Tank									
			F-4				F-5				Coordinates			G-1		G-2	G-3		G-4	
			Condition of Pipe		Specify for Partially Deteriorated	What is the Problem	Valve				Latitude N	Longitude E	Altitude (m)	Type	Specify for Other	Capacity (m^3)	Material of Tank	Specify for Other	Condition of Reservoir	
							Sluice Valve	Air Valve	Other											
22	8	R-08	1: No problem				4p-d 300 mm	4p-d 25 mm												
23	9	R-09																		
24	10	R-27	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required			4p-d 150 mm	2p-d 32 mm												
25	11	R-10																		
26	12	R-11																		
27	13	R-13																		
28	14	R-14																		

Water Supply System Data Base

Serial No.	File No.	WSS ID	F. Transmission line (water line from reservoir to distribution tank)								G. Distribution Tank									
			F-4				F-5				Coordinates			G-1		G-2	G-3		G-4	
			Condition of Pipe		Specify for Partially Deteriorated	What is the Problem	Valve				Latitude N	Longitude E	Altitude (m)	Type	Specify for Other	Capacity (m^3)	Material of Tank	Specify for Other	Condition of Reservoir	
							Sluice Valve	Air Valve	Other											
29	15	R-28																		
30	16	R-12																		
31	17	R-29																		
32	18	R-15																		
33	19	R-30																		
34	20	R-33																		
35	21	R-01																		
36	22	R-16																		

Water Supply System Data Base

Serial No.	File No.	WSS ID	F. Transmission line (water line from reservoir to distribution tank)								G. Distribution Tank								
			F-4				F-5				Coordinates			G-1		G-2	G-3		G-4
			Condition of Pipe		Specify for Partially Deteriorated	What is the Problem	Valve				Latitude N	Longitude E	Altitude (m)	Type	Specify for Other	Capacity (m^3)	Material of Tank	Specify for Other	Condition of Reservoir
							Sluice Valve	Air Valve	Other										
37	23	R-17																	
38	24	R-18																	
39	25	R-19	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Corroded conduit	2p-d200 mm	3p-d100 mm											
40	26	R-20									37°36.295	068°38.893	380	1: Elevated		25	2: Steel		2-2: Deteriorated (partially) / 3: Urgent rehabilitation is required
41	27	R-34																	
42	28	R-21	1: No problem				2p-d 100 mm	1p-d 25 mm			37°36.095	068°38.324	379	1: Elevated		25	2: Steel		1: No problem

Water Supply System Data Base

Serial No.	File No.	WSS ID	F. Transmission line (water line from reservoir to distribution tank)								G. Distribution Tank									
			F-4				F-5				Coordinates			G-1		G-2	G-3		G-4	
			Condition of Pipe		Specify for Partially Deteriorated	What is the Problem	Valve				Latitude N	Longitude E	Altitude (m)	Type	Specify for Other	Capacity (m^3)	Material of Tank	Specify for Other	Condition of Reservoir	
							Sluice Valve	Air Valve	Other											
43	29	R-02																		
44	30	R-23																		
45	31	R-22	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Decrepit facility (using since 1962)	4p-d 150 mm, 4p-d 200 mm	4p-d 32 mm	Pit: 2 kits d 1.5 m											
46	32	R-24																		
47	33	R-39																		
48	34	R-03																		

Water Supply System Data Base

Serial No.	File No.	WSS ID	F. Transmission line (water line from reservoir to distribution tank)								G. Distribution Tank									
			F-4				F-5				Coordinates			G-1		G-2	G-3		G-4	
			Condition of Pipe		Specify for Partially Deteriorated	What is the Problem	Valve				Latitude N	Longitude E	Altitude (m)	Type	Specify for Other	Capacity (m^3)	Material of Tank	Specify for Other	Condition of Reservoir	
							Sluice Valve	Air Valve	Other											
49	35	R-36																		
50	36	R-25																		
51	37	R-35																		
52	38	R-31	1: No problem				4p-d800 mm	2p-d25mm	Pit: 6kit –d2.0m											

Water Supply System Data Base

Serial No.	File No.	WSS ID	F. Transmission line (water line from reservoir to distribution tank)								G. Distribution Tank						
			F-4				F-5				Coordinates			G-1		G-2	G-3		G-4
			Condition of Pipe		Specify for Partially Deteriorated	What is the Problem	Valve							Type	Specify for Other	Capacity (m^3)	Material of Tank	Specify for Other	Condition of Reservoir
							Sluice Valve	Air Valve	Other		Latitude N	Longitude E	Altitude (m)						
53	39	R-28	2-1: Deteriorated (totally)	3: Urgent rehabilitation is required		Decrepit reservoir	2p-d100mm, 4p-d150mm	2p-d25mm	Pits: 3kit-d1.5m		37°30.001	068°38.634	383	1: Elevated		50	2: Steel		2-2: Deteriorated (partially) / 3: Urgent rehabilitation is required
54	1	J-02																	
55	2	J-01																	
56	3	J-03																	
57	4	J-04																	
58	5	J-05																	

Water Supply System Data Base

Serial No.	File No.	WSS ID	F. Transmission line (water line from reservoir to distribution tank)								G. Distribution Tank									
			F-4				F-5				Coordinates			G-1		G-2	G-3		G-4	
			Condition of Pipe		Specify for Partially Deteriorated	What is the Problem	Valve				Latitude N	Longitude E	Altitude (m)	Type	Specify for Other	Capacity (m^3)	Material of Tank	Specify for Other	Condition of Reservoir	
							Sluice Valve	Air Valve	Other											
59	6	J-06																		
60	7	J-07	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Maintenance of the conduit and wells, replacement of taps and install reservoir (500m3) are necessary	2pcs-d100mm, 2pcs-d150mm, 2pcs-d200mm	2 pcs-d 50 mm			37°30.545	068°32.112	359	1: Elevated		50	2: Steel		2-2: Deteriorated (partially)	3: Urgent rehabilitation is required
61	8	J-09	1: No problem				4p-d200 mm, 6p-d150mm	2p-d20mm	valve: 4p-d150 mm, check valve: 4p-d150mm											
62	9	J-10																		
63	10	J-08																		
64	11	J-11																		
65	12	J-12	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Decrepit facility	2 pcs-d 150 mm	2 pcs - d 32 mm			37°32.005	068°28.455	377	1: Elevated		50	2: Steel		2-2: Deteriorated (partially)	3: Urgent rehabilitation is required

Water Supply System Data Base

F. Transmission line (water line from reservoir to distribution tank)												G. Distribution Tank						
Serial No.	File No.	WSS ID	F-4				F-5				Coordinates			G-1		G-2	G-3		G-4	
			Condition of Pipe		Specify for Partially Deteriorated	What is the Problem	Valve							Type	Specify for Other	Capacity (m^3)	Material of Tank	Specify for Other	Condition of Reservoir	
							Sluice Valve	Air Valve	Other		Latitude N	Longitude E	Altitude (m)							
66	13	J-13																		
67	14	J-14	1: No problem				3p-d200mm	3p-d20mm	Pit 3p-d1.5mm		37°29.284	068°34.681	381	1: Elevated		50	2: Steel		1: No problem	
68	1	N-03									37°17.102	068°02.245	401	1: Elevated		25	2: Steel		1: No problem	
69	2	N-01	1: No problem				4p-d 250 mm	3p-d 25 mm												
70	3	N-02									37°16.370	068°03.705	379	1: Elevated		25	2: Steel		2-2: Deteriorated (partially)	3: Urgent rehabilitation is required

Water Supply System Data Base

Serial No.	File No.	WSS ID	F. Transmission line (water line from reservoir to distribution tank)								G. Distribution Tank								
			F-4				F-5				Coordinates			G-1		G-2	G-3		G-4
			Condition of Pipe		Specify for Partially Deteriorated	What is the Problem	Valve							Type	Specify for Other	Capacity (m^3)	Material of Tank	Specify for Other	Condition of Reservoir
							Sluice Valve	Air Valve	Other		Latitude N	Longitude E	Altitude (m)						
71	1	P-15	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Corroded conduit	2p-d 100 mm	3p – d 25 mm	Pit: 2kit – d 1.5 m		37°13.730	069°09.531	368	1: Elevated		25	2: Steel		2-2: Deteriorated (partially) / 3: Urgent rehabilitation is required
72	2	P-05									37°12.371	069°07.946	366	1: Elevated		25	2: Steel		2-2: Deteriorated (partially) / 3: Urgent rehabilitation is required
73	3	P-02									37°12.720	069°10.901	376	1: Elevated		25	2: Steel		1: No problem
74	4	P-06									37°17.320	069°03.743	348	1: Elevated		50	2: Steel		1: No problem
75	5	P-09									37°18.789	069°33.359	340	1: Elevated		50	2: Steel		2-2: Deteriorated (partially) / 3: Urgent rehabilitation is required
76	6	P-03									37°19.988	069°02.401	350	1: Elevated		25	2: Steel		1: No problem

Water Supply System Data Base

F. Transmission line (water line from reservoir to distribution tank)												G. Distribution Tank							
Serial No.	File No.	WSS ID	F-4				F-5				Coordinates			G-1		G-2	G-3		G-4	
			Condition of Pipe		Specify for Partially Deteriorated	What is the Problem	Valve							Type	Specify for Other	Capacity (m^3)	Material of Tank	Specify for Other	Condition of Reservoir	
							Sluice Valve	Air Valve	Other		Latitude N	Longitude E	Altitude (m)							
77	7	P-04									37°13.557	069° 08.256	382	1: Elevated		100	2: Steel		2-2: Deteriorated (partially)	
78	8	P-07									37°10.780	069°10.782	376	1: Elevated		25	2: Steel		2-2: Deteriorated (partially)	3: Urgent rehabilitation is required
79	9	P-08	2-1: Deteriorated (totally)	3: Urgent rehabilitation is required		Decrepit facility	4p-d 150 mm, 2p-d 100 mm	2p-d 32 mm	Pit: 4 kits d 1.5 mm											
80	10	P-10	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Decrepit facility	4p-d 150 mm, 2p-d 100 mm	2p-d 32 mm	Pit: 4 kits d 1.5 mm											
81	11	P-13									37°16.103	069°17.140	347	1: Elevated		25(2pcs)	2: Steel		2-2: Deteriorated (partially)	

Water Supply System Data Base

Serial No.	File No.	WSS ID	F. Transmission line (water line from reservoir to distribution tank)								G. Distribution Tank								
			F-4				F-5				Coordinates			G-1		G-2	G-3		G-4
			Condition of Pipe		Specify for Partially Deteriorated	What is the Problem	Valve							Type	Specify for Other	Capacity (m^3)	Material of Tank	Specify for Other	Condition of Reservoir
							Sluice Valve	Air Valve	Other		Latitude N	Longitude E	Altitude (m)						
82	12	P-16									37°13.334	069°07.442	350	1: Elevated		25	2: Steel		2-2: Deteriorated (partially) / 3: Urgent rehabilitation is required
83	13	P-11	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Broken-down	2p-d 80 mm, 2p-d 100 mm	2p-d 32 mm	Pit 2 kits d 1.5 m		37°11.246	069°11.604	376	1: Elevated		25	2: Steel		2-2: Deteriorated (partially) / 3: Urgent rehabilitation is required
84	14	P-01	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Decrepit facility	2p-d100mm	2p-d 32 mm	Pit 2p-d 1.5m		37°10.699	069° 10.264	373	1: Elevated		50	2: Steel		2-2: Deteriorated (partially) / 3: Urgent rehabilitation is required
85	15	P-14									37°09.603	068°11.433	385	1: Elevated		25	2: Steel		1: No problem
86	16	P-12									37°10.441	069°11.589	405	1: Elevated		25	2: Steel		2-2: Deteriorated (partially) / 3: Urgent rehabilitation is required
87	1	Q-01	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Decrepit facility	4p-d 250 mm	2p-d 32mm			37°21.420	068°41.620	390	1: Elevated		100	2: Steel		2-1: Deteriorated (totally) / 3: Urgent rehabilitation is required
88	2	Q-02																	

Water Supply System Data Base

Serial No.	File No.	WSS ID	F. Transmission line (water line from reservoir to distribution tank)								G. Distribution Tank									
			F-4				F-5				Coordinates			G-1		G-2	G-3		G-4	
			Condition of Pipe		Specify for Partially Deteriorated	What is the Problem	Valve				Latitude N	Longitude E	Altitude (m)	Type	Specify for Other	Capacity (m^3)	Material of Tank	Specify for Other	Condition of Reservoir	
							Sluice Valve	Air Valve	Other											
89	3	Q-06																		
90	4	Q-03																		
91	5	Q-07																		
92	6	Q-08	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		No operator	4 pc-d 300mm, 4pcs-d 400mm	3 pc - d 32 mm	check valve 4p-d300 mm											
93	7	Q-04	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Decrepit facility	8 pcs- d 150 mm, 2 pcs- d 200 mm	2 pcs- d 50 mm	Pit 2kit d 1.5 m		37°20.291	068°42.201	396	1: Elevated		25 (2pcs)	2: Steel		2-2: Deteriorated (partially)	3: Urgent rehabilitation is required

Water Supply System Data Base

Serial No.	File No.	WSS ID	F. Transmission line (water line from reservoir to distribution tank)								G. Distribution Tank								
			F-4				F-5				Coordinates			G-1		G-2	G-3		G-4
			Condition of Pipe		Specify for Partially Deteriorated	What is the Problem	Valve							Type	Specify for Other	Capacity (m^3)	Material of Tank	Specify for Other	Condition of Reservoir
							Sluice Valve	Air Valve	Other		Latitude N	Longitude E	Altitude (m)						
94	8	Q-05	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Incomplete facility	6pcs-d 200mm	4pcs-d 50mm			37°24.155	068°39.265	378	1: Elevated		500 (2pcs)	2: Steel		2-2: Deteriorated (partially) / 3: Urgent rehabilitation is required
95	1	S-03									36°58.934	068°01.885	319	1: Elevated		25	2: Steel		2-2: Deteriorated (partially) / 3: Urgent rehabilitation is required
96	2	S-07	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Decrepit facility	4p-d 150 mm, 2p-d 100 mm	4p-d 25 mm			37°15.914	068°08.945	303	1: Elevated		150	2: Steel		2-2: Deteriorated (partially) / 3: Urgent rehabilitation is required
97	3	S-02									37°15.101	068°05.105	353	1: Elevated		25	2: Steel		2-2: Deteriorated (partially) / 3: Urgent rehabilitation is required
98	4	S-04									37°14.158	068°05.010	362	1: Elevated		25	2: Steel		2-2: Deteriorated (partially) / 3: Urgent rehabilitation is required
99	5	S-09																	
100	6	S-05									37°23.102	068°08.108	386	1: Elevated		25	2: Steel		2-2: Deteriorated (partially) / 3: Urgent rehabilitation is required
101	7	S-08									37°12.102	068°08.202	340	1: Elevated		25	2: Steel		2-2: Deteriorated (partially) / 3: Urgent rehabilitation is required

Water Supply System Data Base

Serial No.	File No.	WSS ID	F. Transmission line (water line from reservoir to distribution tank)								G. Distribution Tank									
			F-4				F-5				Coordinates			G-1		G-2	G-3		G-4	
			Condition of Pipe		Specify for Partially Deteriorated	What is the Problem	Valve							Type	Specify for Other	Capacity (m^3)	Material of Tank	Specify for Other	Condition of Reservoir	
							Sluice Valve	Air Valve	Other		Latitude N	Longitude E	Altitude (m)							
102	8	S-10																		
103	9	S-01	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required			5p-d 50 mm, 5p-d 100 mm, 5p-d 150 mm													
104	10	S-06	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Decrepit facility	6p-d 200mm, 4p-d 300mm	2p-d 25mm	Check valve 3p-d 25 mm											
105	1	V-01																		
106	2	V-05	1: No problem				4p-d 219 mm	3p-d 25 mm			37°48.333	068°53.001	444	1: Elevated		25	2: Steel		1: No problem	
107	3	V-02	1: No problem				4p-d 200 mm, 2p-d 150 mm, 2p-d 100 mm	3p-d 25 mm												
108	4	V-03	1: No problem				4p-d 150 mm	2p-d 20 mm												
109	5	V-04	1: No problem				4p-d 200 mm	2p-d 25 mm												
110	6	V-06																		
111	7	V-07																		
112	8	V-08	1: No problem				2p-d 300 mm													
113	9	V-09	1: No problem				3p-d 300 mm													

Water Supply System Data Base

Serial No.	File No.	WSS ID	F. Transmission line (water line from reservoir to distribution tank)								G. Distribution Tank									
			F-4				F-5				Coordinates			G-1		G-2	G-3		G-4	
			Condition of Pipe		Specify for Partially Deteriorated	What is the Problem	Valve				Latitude N	Longitude E	Altitude (m)	Type	Specify for Other	Capacity (m^3)	Material of Tank	Specify for Other	Condition of Reservoir	
							Sluice Valve	Air Valve	Other											
114	10	V-10																		
115	11	V-12																		
116	12	V-14																		
117	13	V-13																		
118	14	V-11																		
119	15	V-15																		

Water Supply System Data Base

Serial No.	File No.	WSS ID	H. Distribution Main												I. Public Tap				J-1
					H-1	H-2	H-3	H-4				H-5 Valve				I-1	I-2	I-3	
			Specify for Partially Deteriorated	What is the Problem	Diameter of Pipe (mm)	Material of Pipe	Total Length of Main (km)	Condition of Pipe		Specify for Partially Deteriorated	What is the Problem	Air Valve	Sluice Valve	Other	Number of Taps	Diameter of Pipe (mm)	Material of Pipe	Mean Length of Service Line (m)	Type of organization in charge for O&M
1	1	K-10		Decrepit facility	250-100	Cast iron, steel	9.5	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Broken-down	8p-d 32 mm	10p-d 100 mm, 10p-d 150 mm		200	20	Steel	20-25	3: Jamoat
2	2	K-08			114-76	Steel	8.8	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required			1p-d 50 mm	2p-d 80 mm, 2p-d 100 mm	Pit: 4 kits d 1.5 m	20	20	Steel	120	3: Jamoat
3	3	K-03		Decrepit facility	114-76	Steel	3.8	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Decrepit facility	2p-d 50 mm	2p-d 80 mm, 4p-d 100 mm	Pit: 8 kits d 1.0 m	24	20	Steel	20-25	3: Jamoat
4	4	K-09		Decrepit facility	150	Cast iron, steel	10.2	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Decrepit facility	4p-d 50mm	12p-d 100 mm, 12p-d 150 mm	Pit: 8 kits d 1.5 m	105	20	Steel	20-30	3: Jamoat
5	5	K-12		Partial replacement of pipes (d114mm)	250	Steel	7.5	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Necessity of replacement of pipes	4p-d 25 mm	8p-d 200 mm 8p-d 150 mm 8p-d 100 mm		75	20	Steel	20-30	3: Jamoat
6	6	K-02			100	Steel	2.8	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Decrepit facility	1p-d32 mm	4p-d100 mm		35	20	Steel	20-25	3: Jamoat
7	7	K-05			150	Steel	3	1: No problem				1p-d25 mm	4p-d150 mm		20	20	Steel	15-20	1: RWSA

Water Supply System Data Base

			H. Distribution Main											I. Public Tap				J-1
					H-1	H-2	H-3	H-4				H-5 Valve					I-1	I-2	I-3	
Serial No.	File No.	WSS ID	Specify for Partially Deteriorated	What is the Problem	Diameter of Pipe (mm)	Material of Pipe	Total Length of Main (km)	Condition of Pipe		Specify for Partially Deteriorated	What is the Problem	Air Valve	Sluice Valve	Other		Number of Taps	Diameter of Pipe (mm)	Material of Pipe	Mean Length of Service Line (m)	Type of organization in charge for O&M
8	8	K-01			300-150	Cast iron, steel	22	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Decrepit facility	8p-d25 mm	4p-d300 mm, 8p-d 150mm, 10p-d100mm	Pit 8 kit-d1.5 m		550	15-20	Steel	20-25	7: Other
9	9	K-14			110	PVH	0.8	1: No problem				1p-d25 mm	3p-d100 mm			40	20	Steel	20-25	7: Other
10	10	K-06		Decrepit facility and no operator	159	Steel	4	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Decrepit facility	2p-d 25 mm	8p-d 150 mm			75	20	Steel	30-35	3: Jamoat
11	11	K-04			100-150	Steel	3.5	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Decrepit facility	4p-d 50 mm	10p-d 100 mm, 10p-d 150 mm	Pit: 20 kit d 1.5 m		80	20	Steel	30-35	3: Jamoat
12	12	K-13			100-150	Cast iron	12	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Decrepit facility	2p-d 25 mm	10p-d 100 mm, 10p-d 150 mm	Pit: 10 kits d 1.5 m		200	20	Steel	25-30	3: Jamoat
13	13	K-11			100-150	Cast iron	5.4	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Decrepit facility	2p-d32mm	10p-d100mm	Pit: 20 kits d 1.5 m		200	20	Steel	30-35	3: Jamoat
14	14	K-07			100-150	Cast iron	2.8	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Decrepit facility	2p-d32mm	2p-d100mm			22	20	Steel	25-30	3: Jamoat
15	1	R-37			100-150	Steel	3.2	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Decrepit facility	2p-d 50 mm	4p-d100 mm			75	20	Steel	25	7: Other

Water Supply System Data Base

Serial No.	File No.	WSS ID	H. Distribution Main											I. Public Tap				J-1
					H-1	H-2	H-3	H-4				H-5 Valve					I-1	I-2	I-3	
			Specify for Partially Deteriorated	What is the Problem	Diameter of Pipe (mm)	Material of Pipe	Total Length of Main (km)	Condition of Pipe		Specify for Partially Deteriorated	What is the Problem	Air Valve	Sluice Valve	Other		Number of Taps	Diameter of Pipe (mm)	Material of Pipe	Mean Length of Service Line (m)	Type of organization in charge for O&M
16	2	R-06			76-140	Steel	1.7	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Decrepit facility		2p-d 100 mm, 2p-d 150 mm			12	20	Steel	15-20	7: Other
17	3	R-04			100-150	Cast iron, steel	5.2	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Decrepit facility		4p-d 150 mm, 8p-d 100 mm			85	20	Steel	20-30	7: Other
18	4	R-05			100-250	Cast iron, steel	17.5	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Decrepit facility	4p-d32 mm	4p-d250 mm, 6p-d200 mm, 12p-d150 mm, 14p-d100 mm			250	15-20	Steel	15-20	7: Other
19	5	R-38			76	Steel	1.1	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Decrepit facility	1p-d20 mm	2p-d80 mm			15	15	Steel	10-15	7: Other
20	6	R-32			100	PVC	1.5	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Decrepit facility	1p-d 25 mm	2p-d 100 mm			20	20	Steel	25-30	7: Other
21	7	R-07			100	Steel	2.5	2-1: Deteriorated (totally)	3: Urgent rehabilitation is required		Decrepit facility	2p-d 32 mm	2p-d 100 mm			20	20	Steel	15-20	5: Kolkhoz

Water Supply System Data Base

Serial No.	File No.	WSS ID	H. Distribution Main													I. Public Tap				J-1
					H-1	H-2	H-3	H-4				H-5 Valve					I-1	I-2	I-3	
			Specify for Partially Deteriorated	What is the Problem	Diameter of Pipe (mm)	Material of Pipe	Total Length of Main (km)	Condition of Pipe		Specify for Partially Deteriorated	What is the Problem	Air Valve	Sluice Valve	Other		Number of Taps	Diameter of Pipe (mm)	Material of Pipe	Mean Length of Service Line (m)	Type of organization in charge for O&M
22	8	R-08			425-530	Cast iron, steel	15.8	1: No problem				4p-d 50 mm	6p-d 500 mm RU-10							1: RWSA
23	9	R-09			80-100	Polyethylene	4.6	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Necessity to replace 50% of the polyethilene pipe	2p-d 50 mm	4p-d 100 mm			35	20	Steel	25	1: RWSA
24	10	R-27			100-150	Cast iron, steel	4.9	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required				4p-d 150 mm, 6p-d 100 mm			12	20	Steel	15-20	5: Kolkhoz
25	11	R-10			100-150	PVKH and cast iron	4.2	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Decrepit facility	4p-d50 mm	4p-d100 mm, 2p-d150 mm			30	20	Steel	20-25	5: Kolkhoz
26	12	R-11			100-150	Cast iron, steel	4.8	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Decrepit facility	2p-d 32 mm	4p-d 100 mm, 4p-d 150 mm			30	20	Steel	20-30	5: Kolkhoz
27	13	R-13			50-100	Steel	6.2	2-1: Deteriorated (totally)	3: Urgent rehabilitation is required		Decrepit facility	4p-d 25 mm	8p-d 100 mm, 4p-d 50 mm							3: Jamoat
28	14	R-14			100	Steel	5.2	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Decrepit facility	2p-d 25 mm	2p-d100mm			30	20	Steel	20-25	3: Jamoat

Water Supply System Data Base

Serial No.	File No.	WSS ID	H. Distribution Main												I. Public Tap				J-1
					H-1	H-2	H-3	H-4				H-5 Valve				I-1	I-2	I-3	
			Specify for Partially Deteriorated	What is the Problem	Diameter of Pipe (mm)	Material of Pipe	Total Length of Main (km)	Condition of Pipe		Specify for Partially Deteriorated	What is the Problem	Air Valve	Sluice Valve	Other		Number of Taps	Diameter of Pipe (mm)	Material of Pipe	Mean Length of Service Line (m)	Type of organization in charge for O&M
29	15	R-28			100-219	Steel	5.8	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Decrepit facility	4p-d32 mm	6p-d100 mm, 4p-d200 mm			65	20	Steel	20	3: Jamoat
30	16	R-12			100	Steel	1.4	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Lack of water pressure in the Vakhsh conduit	1p-d 25 mm	2p-d 100 mm			15	20	Steel	20-25	5: Kolkhoz
31	17	R-29			100-150	Steel	5.5	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Decrepit facility	1p-d32 mm	2p-d100 mm	Pit: 6kit-d1.5 m		25	20	Steel	15-20	3: Jamoat
32	18	R-15			100-150	Cast iron, steel	2.8	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Lack of water		4p-d 150 mm			25	20	Steel	20-30	3: Jamoat
33	19	R-30			100	Steel	1.4	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Decrepit facility and lack of water pressure in the Vakhsh conduit		3p-d100 mm			26	20	Steel	20-25	3: Jamoat
34	20	R-33			100	Steel	2.1	1: No problem				2p-d 25 mm	3p-d 100 mm			15	20	Steel	15-20	7: Other
35	21	R-01			100-200	Cast iron, steel	4.2	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Lack of water	2p-d32 mm	6p-d100 mm, 4p-d150 mm, 4p-d200 mm	Pit: 6kit-d1.5 m		25	20	Steel	20-25	3: Jamoat
36	22	R-16			100-150	Cast iron, steel	1.4	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Decrepit facility		4p-d 100 mm, 4p-d 150 mm			18	25	Steel	16-20	3: Jamoat

Water Supply System Data Base

			H. Distribution Main											I. Public Tap			J-1
			H-1	H-2	H-3	H-4				H-5 Valve				I-1	I-2	I-3	
Serial No.	File No.	WSS ID	Specify for Partially Deteriorated	What is the Problem	Diameter of Pipe (mm)	Material of Pipe	Total Length of Main (km)	Condition of Pipe		Specify for Partially Deteriorated	What is the Problem	Air Valve	Sluice Valve	Other		Number of Taps	Diameter of Pipe (mm)	Material of Pipe	Mean Length of Service Line (m)	Type of organization in charge for O&M
37	23	R-17			150	Steel	0.5	2-1: Deteriorated (totally)	3: Urgent rehabilitation is required		Decrepit facility		2p-d 150 mm							7: Other
38	24	R-18			100	Steel	1.8	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Decrepit facility	2p-d25 mm	6p-d100 mm	Pit: 6kit-d1.5 m		25	25	Steel	15-20	3: Jamoat
39	25	R-19			100-200	Cast iron, steel	3	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Decrepit facility	3p-d100 mm	2p-d200 mm			28	20	Steel	30	3: Jamoat
40	26	R-20		Repair leakage and paint	100	Steel	2.8	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Necessary to repair leakage, maintenance of well and replace valves	2p-d 50 mm	4p-d 100 mm			30	20	Steel	15-20	3: Jamoat
41	27	R-34			100	Cast iron	1.6	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Decrepit facility	1p-d 25 mm	6p-d 100 mm, 2p-d 150 mm			38	20	Steel	15-20	3: Jamoat
42	28	R-21			76-150	Steel and polyethylene	3	2-1: Deteriorated (totally)	3: Urgent rehabilitation is required		Decrepit facility	1p-d 25 mm	2p-d 150 mm			40	40	Steel	30	1: RWSA

Water Supply System Data Base

Serial No.	File No.	WSS ID	H. Distribution Main												I. Public Tap				J-1
					H-1	H-2	H-3	H-4				H-5 Valve				I-1	I-2	I-3	
			Specify for Partially Deteriorated	What is the Problem	Diameter of Pipe (mm)	Material of Pipe	Total Length of Main (km)	Condition of Pipe		Specify for Partially Deteriorated	What is the Problem	Air Valve	Sluice Valve	Other		Number of Taps	Diameter of Pipe (mm)	Material of Pipe	Mean Length of Service Line (m)	Type of organization in charge for O&M
43	29	R-02			133	Steel	2.8	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Decrepit facility	1p-d 32 mm	1p-d 50 mm, 2p-d 100 mm			20	20	Steel	15-20	5: Kolkhoz
44	30	R-23			76-100	Polyethylene	3	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Decrepit facility	2p-d 25 mm	2p-d 80 mm			32	20	Steel	25-30	3: Jamoat
45	31	R-22			100-325	Cast iron, steel	9.7	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Decrepit facility					165	15-20	Steel	20-25	1: RWSA
46	32	R-24			76-100	Steel	1.6	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Incomplete facility	1p-d 32 mm	2p-d 80 mm, 1p-d 100 mm	Pit: 3 kits d 1.0 m		5	20	Steel	20-25	3: Jamoat
47	33	R-39			100-200	Cast iron, steel	3.8	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Decrepit facility		2p-d 100 mm, 2p-d 150 mm			62	20	Steel	20	5: Kolkhoz
48	34	R-03			100-200	Cast iron, steel	2	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Decrepit facility		1p-d 100 mm, 2p-d 150 mm			12	20	Steel	20-25	5: Kolkhoz

Water Supply System Data Base

Serial No.	File No.	WSS ID	H. Distribution Main													I. Public Tap				J-1
			H-1	H-2	H-3	H-4				H-5 Valve						I-1	I-2	I-3		
			Specify for Partially Deteriorated	What is the Problem	Diameter of Pipe (mm)	Material of Pipe	Total Length of Main (km)	Condition of Pipe		Specify for Partially Deteriorated	What is the Problem	Air Valve	Sluice Valve	Other		Number of Taps	Diameter of Pipe (mm)	Material of Pipe	Mean Length of Service Line (m)	Type of organization in charge for O&M
49	35	R-38			100	Steel	5.5	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Decrepit facility	2p-d50 mm	2p-d80 mm, 4p-d100 mm	Pit: 8kit-d1.0 m		120	20	Steel	20	3: Jamoat
50	36	R-25			100-160	Cast iron, steel	4.5	2-2: Deteriorated (partially)			Decrepit facility	4p-d 25 mm	6p-d 100 mm, 6p-d 150 mm	Pit: 4 kits d 1.5 m		30	20	Steel	25	5: Kolkhoz
51	37	R-35			150-200	Cast iron, polyethylene	3.6	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Decrepit facility	2p-d 25 mm	2p-d 200 mm	Pit: 6 kits d 1.5m		75	20	Steel	20	5: Kolkhoz
52	38	R-31			530-630	Steel	7.8	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Corroded conduit	12p-d 50 mm	2p-d 600 mm, 8p-d 500 mm, 4p-d 400 mm, 6p-d 300 mm							1: RWSA

Water Supply System Data Base

Serial No.	File No.	WSS ID	H. Distribution Main													I. Public Tap				J-1
			H-1		H-2	H-3	H-4				H-5 Valve						I-1	I-2	I-3	
			Specify for Partially Deteriorated	What is the Problem	Diameter of Pipe (mm)	Material of Pipe	Total Length of Main (km)	Condition of Pipe		Specify for Partially Deteriorated	What is the Problem	Air Valve	Sluice Valve	Other		Number of Taps	Diameter of Pipe (mm)	Material of Pipe	Mean Length of Service Line (m)	Type of organization in charge for O&M
53	39	R-26		Broken-down	114	Steel	3	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Corroded conduit	2p-d 32 mm	3p-d 50 mm, 6p-d 100 mm	Pit: 4 kits d 1.0 m		45	20	Steel	20-25	5: Kolkhoz
54	1	J-02			100	Steel	1	2-1: Deteriorated (totally)	3: Urgent rehabilitation is required		Broken-down		2 pcs - d 100mm			14	15	Steel	25	3: Jamoat
55	2	J-01			100-160	Steel and PVC	3.4	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Decrepit facility	1 pcs-d 32 mm	2 pcs-d 150 mm			16	20	Steel	20	5: Kolkhoz
56	3	J-03			100-150	Cast iron, steel	1.6	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Decrepit facility	1 pcs-d 32 mm	2 pcs-d 100 mm			15	20	Steel	15	3: Jamoat
57	4	J-04			100-150	Cast iron, PVC	1.9	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Decrepit facility	1 pcs - d 50 mm	1 pcs - d 100 mm, 2 pcs - d 150 mm			15	20	Steel	15	3: Jamoat
58	5	J-05			100-150	Cast iron	5.6	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Decrepit facility		4 pcs - d 100 mm; 2 pcs - d 150 mm			30	20	Steel	30	5: Kolkhoz

Water Supply System Data Base

			H. Distribution Main											I. Public Tap				J-1
			H-1	H-2	H-3	H-4				H-5 Valve					I-1	I-2	I-3	
Serial No.	File No.	WSS ID	Specify for Partially Deteriorated	What is the Problem	Diameter of Pipe (mm)	Material of Pipe	Total Length of Main (km)	Condition of Pipe	Specify for Partially Deteriorated	What is the Problem	Air Valve	Sluice Valve	Other	Number of Taps	Diameter of Pipe (mm)	Material of Pipe	Mean Length of Service Line (m)	Type of organization in charge for O&M
59	6	J-06			100	Steel	1.4	2-1: Deteriorated (totally)	3: Urgent rehabilitation is required		Decrepit facility and corroded conduit	1 pcs - d 50mm	2 pcs - d 100mm	Pit: d 1,5 m 2 set	10	20	Steel	20	3: Jamoat
60	7	J-07		Decrepit facility	100-150	Cast iron, PVC	2.8	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Decrepit facility and corroded conduit	2 pcs-d 50 mm	6 pcs-d 100mm, 6 pcs-d 150mm, 6 pcs-d 200mm		25	20	Steel	20	3: Jamoat
61	8	J-09			100-219	Cast iron, steel	10.6	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Decrepit facility	4p-d25mm	4p-d200mm, 6p-d150mm, 8p-d100mm		269	15-20	Steel	20-25	7: Other
62	9	J-10			100	Steel	1.6	2-1: Deteriorated (totally)	3: Urgent rehabilitation is required		Corroded conduit		2 pcs-d 100 mm		6	15	Steel	20	3: Jamoat
63	10	J-08			100-219	Steel	1.2	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Not connected to Vakhsh Conduit	2 p- d 32 mm	2 p-d 200 mm, 4 p-d100mm	Pit: 2 sets-d 1.5 m	26	20	Steel	20-25	3: Jamoat
64	11	J-11			150	Steel	2.2	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Decrepit facility				26	20	Steel	20	7: Other
65	12	J-12		Repair and paint the tower	100-150	Cast iron, PVC	16.8	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Decrepit facility	2 pcs - d 50 mm	4 pcs - d 100 mm		40	20	Steel	40	5: Kolkhoz

Water Supply System Data Base

Serial No.	File No.	WSS ID	H. Distribution Main												I. Public Tap				J-1
			H-1	H-2	H-3	H-4				H-5 Valve						I-1	I-2	I-3	
			Specify for Partially Deteriorated	What is the Problem	Diameter of Pipe (mm)	Material of Pipe	Total Length of Main (km)	Condition of Pipe		Specify for Partially Deteriorated	What is the Problem	Air Valve	Sluice Valve	Other		Number of Taps	Diameter of Pipe (mm)	Material of Pipe	Mean Length of Service Line (m)	Type of organization in charge for O&M
66	13	J-13			425	Steel	7.2	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Corroded conduit and salty water	2pcs-d 32 mm	2 pc-d 400 mm	Pit: 2 set d 1,5 m		75	20	Steel	20	1: RWSA
67	14	J-14			100-200	Steel	12.6	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required							180	15-20	Steel	50	7: Other
68	1	N-03			159	Steel	12	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Decrepit facility	2p-d 32 mm	2p-d 100 mm	Pit: 2 kits d 1.5 m		38	20	Steel	16	1: RWSA
69	2	N-01			114-273	Steel	35	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Decrepit facility	12p-d 32 mm	14p-d 200 mm, 9p-d 250 mm	Pit: 18 kits d 1.5 m		65	20	Steel	65-80	1: RWSA
70	3	N-02		Decrepit facility	100	Steel	3.5	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Decrepit facility		4p-d 150 mm(RU-10) 4p-d 100 mm(RU-10)			5	20	Steel	30-50	1: RWSA

Water Supply System Data Base

			H. Distribution Main											I. Public Tap			J-1
			H-1	H-2	H-3	H-4				H-5 Valve				I-1	I-2	I-3	
Serial No.	File No.	WSS ID	Specify for Partially Deteriorated	What is the Problem	Diameter of Pipe (mm)	Material of Pipe	Total Length of Main (km)	Condition of Pipe		Specify for Partially Deteriorated	What is the Problem	Air Valve	Sluice Valve	Other	Number of Taps	Diameter of Pipe (mm)	Material of Pipe	Mean Length of Service Line (m)	Type of organization in charge for O&M
71	1	P-15		Corroded conduit	100-150	Cast iron, steel	3.2	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Decrepit facility	2p- d 32 mm	2p-d 100 mm, 2p-d 150 mm	Pit: 4 kits d 1.5 m	45	20	Steel	20	3: Jamoat
72	2	P-05		Repair leakage and paint	100-150	Cast iron, steel	6.5	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Decrepit facility	4p-d 25 mm	4p-d 100mm, 4p-d 150mm	Pit: 2 kit d 1.5 m	30	20	Steel	30	3: Jamoat
73	3	P-02			100-150	Cast iron, steel	5.2	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Decrepit facility	2p-d50mm	4p-d100mm, 4p-d150mm	Pit: d1,0 m 4 kit	30	20	Steel	20	3: Jamoat
74	4	P-06			100-150	Cast iron, steel	1.5	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Decrepit facility	4p-d 25 mm, 3p-d 32 mm	4p-d 100mm, 3p-d 150 mm	Pit: 8 kit d 1.5 m	60	20	Steel	40	3: Jamoat
75	5	P-09		Decrepit facility. Necessary to repair and paint	100-150	Cast iron, steel	7	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Decrepit facility	2p-d 32 mm	4p-d100 mm, 3p-d 150 mm	Pit: 4 kits d 1.5 m	58	20	Steel	20	3: Jamoat
76	6	P-03			100-150	Cast iron, steel	6.5	1: No problem				2p-d 25 mm	4p-d 150 mm, 4p-d 100 mm	Pit 8 kits d 1.5 m	40	20	Steel	30	3: Jamoat

Water Supply System Data Base

					H. Distribution Main												I. Public Tap				J-1
					H-1	H-2	H-3	H-4				H-5 Valve						I-1	I-2	I-3	
Serial No.	File No.	WSS ID	Specify for Partially Deteriorated	What is the Problem	Diameter of Pipe (mm)	Material of Pipe	Total Length of Main (km)	Condition of Pipe		Specify for Partially Deteriorated	What is the Problem	Air Valve	Sluice Valve	Other		Number of Taps	Diameter of Pipe (mm)	Material of Pipe	Mean Length of Service Line (m)	Type of organization in charge for O&M
77	7	P-04		Decrepit facility	76, 114, 159,200	Cast iron, steel, asbestos	3.5	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Decrepit facility	4p-d 32 mm, 2p-d 25 mm	15p-d 100mm, 12p-d 150 mm	Pit: 6 kit d 1.5 m		250	15-20	Steel	30-40	7: Other
78	8	P-07		Repair leakage and paint	100-150	Cast iron, steel	3.8	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Decrepit facility (necessity of replacement of 40% of the pipes)	2p-d 25 mm	2p-d 100 mm, 2p-d 150 mm	Pit 4 kit d 1.5 m		20	20	Steel	50	3: Jamoat
79	9	P-08			100-219	Steel	4.6	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Decrepit facility	4p-d 25 mm	4p-d 150 mm, 2p-d 100 mm	Pit 4 kits d 1.5 m		40	20	Steel	30	1: RWSA
80	10	P-10			159-129	Steel	6	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Decrepit facility	4p-d 25 mm	4p-d 150 mm, 2p-d 100 mm	Pit 4 kits d 1.5 m		40	50	Steel	120	1: RWSA
81	11	P-13		Decrepit facility	100-150	Cast iron, steel	9	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Decrepit facility	2p-d 50 mm	4p-d 150 mm, 4p-d 100 mm	Pit: 6 kits d 1.0 m		40	20	Steel	40	3: Jamoat

Water Supply System Data Base

Serial No.	File No.	WSS ID	H. Distribution Main												I. Public Tap				J-1
					H-1	H-2	H-3	H-4				H-5 Valve				I-1	I-2	I-3	
			Specify for Partially Deteriorated	What is the Problem	Diameter of Pipe (mm)	Material of Pipe	Total Length of Main (km)	Condition of Pipe		Specify for Partially Deteriorated	What is the Problem	Air Valve	Sluice Valve	Other	Number of Taps	Diameter of Pipe (mm)	Material of Pipe	Mean Length of Service Line (m)	Type of organization in charge for O&M
82	12	P-16		Decrepit facility	100-150	Cast iron, steel	2.6	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Decrepit facility	2p-d 50 mm	4p-d 100 mm, 2p-d 150 mm	Pit 4 kits d 1.5 m	20	20	Steel	20	3: Jamoat
83	13	P-11		Repair leakage and paint	100-150	Cast iron, steel	2.8	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Corroded conduit	1p-d 50 mm, 2p-d 100 mm	4p-d 80 mm	Pit 3 kits d 1.5 m	20	20	Steel	20	3: Jamoat
84	14	P-01		Decrepit facility	100-150	Cast iron, steel	6.2	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Decrepit facility	2p-d 32 mm	4p-d 100 mm	Pit 2kit-d 1.5 m	40	20	Steel	30	3: Jamoat
85	15	P-14			100-150	Cast iron, steel	3.8	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Decrepit facility	1p-d 25 mm	2p-d 100mm	Pit 4 kits d 1.5 m	20	20	Steel	15	3: Jamoat
86	16	P-12		Decrepit facility	100-150	Cast iron, steel	4.8	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Decrepit facility	2p-d 32 mm	4p-d 50 mm, 2p-d 100 mm	Pit 4 kits d 1.5 m	30	20	Steel	30	3: Jamoat
87	1	Q-01		Decrepit facility	100-250	Cast iron, steel	20.5	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Decrepit facility	12p- d32 mm	30p-d100mm, 5p-d250mm	Pit: 14p-d 1.5 m	60	20	Steel	15-20	7: Other
88	2	Q-02			100	PVC	2.6	2-1: Deteriorated (totally)			Broken-down	1p-d 32 mm	2p-d100 mm		26	20	Steel	20-25	7: Other

Water Supply System Data Base

Serial No.	Fils No.	WSS ID	H. Distribution Main													I. Public Tap				J-1
					H-1	H-2	H-3	H-4				H-5 Valve					I-1	I-2	I-3	
			Specify for Partially Deteriorated	What is the Problem	Diameter of Pipe (mm)	Material of Pipe	Total Length of Main (km)	Condition of Pipe		Specify for Partially Deteriorated	What is the Problem	Air Valve	Sluice Valve	Other		Number of Taps	Diameter of Pipe (mm)	Material of Pipe	Mean Length of Service Line (m)	Type of organization in charge for O&M
89	3	Q-06			76-100	Cast iron, steel	6.2	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Decrepit facility	4p-d 50mm	4p-d 100mm 6p-d 80mm			40	20	Steel	30	1: RWSA
90	4	Q-03			76-100	Plastic	5.2	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		No operator	2d-d 32mm	4p-d 100mm, 4p-d 80mm			30	20	Steel	150	1: RWSA
91	5	Q-07			100	Plastic	2.4	1: No problem				2p-d 25mm	2p-d 100mm			24	20	Steel	20-25	1: RWSA
92	6	Q-08			150-273	Steel	18.5	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		No operator	2 pc-d 32 mm	6 pc - d 250mm, 8p-d150 mm	Pit: 12pc- d 1.5m		80	20	Steel	35-40	7: Other
93	7	Q-04		Decrepit facility	150-225	Cast iron, steel, PVC	35	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Decrepit facility	8 p- d 32 mm	22p-d 100 mm, 4p-d 150mm, 6p-d 200mm	Pit: 18 kits-d 1.5 m		88	20	Steel	25-30	5: Kolkhoz

Water Supply System Data Base

					H. Distribution Main												I. Public Tap				J-1
					H-1	H-2	H-3	H-4				H-5 Valve					I-1	I-2	I-3	
Serial No.	File No.	WSS ID	Specify for Partially Deteriorated	What is the Problem	Diameter of Pipe (mm)	Material of Pipe	Total Length of Main (km)	Condition of Pipe		Specify for Partially Deteriorated	What is the Problem	Air Valve	Sluice Valve	Other		Number of Taps	Diameter of Pipe (mm)	Material of Pipe	Mean Length of Service Line (m)	Type of organization in charge for O&M
94	8	Q-05		Incomplete facility	100-150-200	Steel	7	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Decrepit facility	4pcs-d 50mm	4pcs-d 150mm, 6pcs-d 20mm			35	20	Steel	40	7: Other
95	1	S-03		Decrepit facility	159	Steel	6.5	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Decrepit facility					36	20	Steel	25-30	3: Jamoat
96	2	S-07		Decrepit facility	150-325	Steel	15.5	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Decrepit facility	5p-d 32 mm	15p- d 150 mm, 10p- d 100 mm			380	20	Steel	20-25	7: Other
97	3	S-02		Decrepit facility	114	Steel	2	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Decrepit facility	2p-d 25mm	8p-d 100 mm	Pit, 5kit-d 1.5m		25	20	Steel	20	3: Jamoat
98	4	S-04		Decrepit facility	150	Steel	6.3	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Decrepit facility		10p- d 150 mm			75	20	Steel	20-30	3: Jamoat
99	5	S-09			100-150	Steel	7.5	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Decrepit facility					80	15	Steel	20-30	3: Jamoat
100	6	S-05		Decrepit facility	100-300	Steel	7.5	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Decrepit facility					40	20	Steel	25-35	3: Jamoat
101	7	S-08		Decrepit facility	100-159	Steel	6.5	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Decrepit facility		8p-d 100 mm, 4p-d 150 mm			35	15	Steel	30-35	3: Jamoat

Water Supply System Data Base

Serial No.	File No.	WSS ID	H. Distribution Main													I. Public Tap				J-1
					H-1	H-2	H-3	H-4				H-5 Valve					I-1	I-2	I-3	
			Specify for Partially Deteriorated	What is the Problem	Diameter of Pipe (mm)	Material of Pipe	Total Length of Main (km)	Condition of Pipe		Specify for Partially Deteriorated	What is the Problem	Air Valve	Sluice Valve	Other		Number of Taps	Diameter of Pipe (mm)	Material of Pipe	Mean Length of Service Line (m)	Type of organization in charge for O&M
102	8	S-10			50-150	Steel	7.5	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Decrepit facility	3p-d 32 mm	6p-d 150 mm, 8p-d 100 mm	Pits 5kit-d 1.5m		95	20	Steel	15-20	3: Jamoat
103	9	S-01			50-100	Steel	5.5	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Corroded conduit		5p-d 50 mm, 5p-d 100 mm			35	15	Steel	15-20	3: Jamoat
104	10	S-06			219-400	Steel	16	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Decrepit facility	2p-d 32mm	10p-d 200mm, 12p-d 150mm	Pits 16kit-d 1.5m		320	15-20	Steel	15-20	7: Other
105	1	V-01			160	Cast iron and layer color	2.5	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Corroded conduit	1p-d32mm	2p-d150mm			32	15	Steel	20	3: Jamoat
106	2	V-05			100-219	Steel, plastic	7.5	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Decrepit facility	2p-d 25 mm	3p-d 100 mm			80	15-20	Steel	30	3: Jamoat
107	3	V-02			100-150	Cast iron, steel		1: No problem				2p-d 25 mm	4p-d 200 mm			35	15	Steel	20	3: Jamoat
108	4	V-03			159	Steel	2.5	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Corroded conduit	1p-d 25 mm	2p-d 150 mm			28	15	Steel	25	6: Sovkhoz
109	5	V-04			100	Cast iron, steel	4.15	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Corroded conduit	2p-d 25 mm	4p-d 100 mm			65	15-20	Steel	15	1: RWSA
110	6	V-06			100	Steel	3.5	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Decrepit facility	2p-d 25 mm	4p-d 100 mm			48	15	Steel	15-20	3: Jamoat
111	7	V-07			100-160	Steel, cast iron	6.5	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Decrepit facility		6p-d 100 mm			82	15	Steel	20	1: RWSA
112	8	V-08			219-325	Steel, cast iron	3.4	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Corroded conduit	2p-d 25 mm	2p-d 200 mm			50	15	Steel	20	1: RWSA
113	9	V-09			530	Steel	1.2	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Incomplete facility									1: RWSA

Water Supply System Data Base

			H. Distribution Main											I. Public Tap				J-1
					H-1	H-2	H-3	H-4				H-5 Valve					I-1	I-2	I-3	
Serial No.	File No.	WSS ID	Specify for Partially Deteriorated	What is the Problem	Diameter of Pipe (mm)	Material of Pipe	Total Length of Main (km)	Condition of Pipe		Specify for Partially Deteriorated	What is the Problem	Air Valve	Sluice Valve	Other		Number of Taps	Diameter of Pipe (mm)	Material of Pipe	Mean Length of Service Line (m)	Type of organization in charge for O&M
114	10	V-10			159	Steel, polyethylene	3.2	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Lack of water	4p-d 32 mm	2p-d 200 mm, 4p-d 100 mm			30	15-20	Steel	20	1: RWSA
115	11	V-12			50	Polyethylene	0.1	1: No problem					2p-d 50 mm	Pit: 2 kits d 1.0 m		4	15	Steel	20	7: Other
116	12	V-14			100	Steel, polyethylene	3.3	1: No problem				4p-d 25 mm	12p-d 100 mm	Pit: 4 kits d 1.5 m		22	15	Steel	50	3: Jamoat
117	13	V-13			40	PVC	0.8	1: No problem								4	15	Steel	20	3: Jamoat
118	14	V-11			100	Cast iron RU-10	1.2	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Decrepit facility	3p-d 25 mm	8p-d 100 mm	Pit: 3 kits		60	15	Steel	20	3: Jamoat
119	15	V-15			280, 225, 160, 125, 110	Steel, PVC	17.62	2-2: Deteriorated (partially)	3: Urgent rehabilitation is required		Incomplete facility	8p-d 25 mm	10p-d 200 mm, 12p-d 150 mm	Pit: 24 kits d 1.5m		340	15-20	Steel	50	3: Jamoat

Water Supply System Data Base

J. Operation and Maintenance System											Others			Name and Quantity of Facilities to be rehabilitated or replaced
				J-2	J-3		J-4		J-5		K-1		K-2	
Serial No.	File No.	WSS ID	Specify for Other	Component of Organization	Water Tariff System		Water Tariff Collection System		Role of organizations for repairing and replacement of facilities (including expense distribution)		Problems most concerned for improvement of living conditions of the village/community		Names of agricultural chemicals used in the area	Name, Specification and Quantity of Facility
					Tariff System	Tariff			RWSA	Operator (selected in J-1)	1st Priority	2nd Priority		
1	1	K-10		State system	2: Commodity Charge	0.12 Somoni/m3	1: Collector				It is Necessary perfect system of the presenting of wate	Required to install system of the disinfection for reduction number to diseases.	not used	1. Pump ECV 10-120-65 (3kits) 2. Control panel KASKAD (3kits) 3. Transformer 100kvt (2pcs) 4. Steel pipe d 150mm (3.2km) 5. Steel pipe d 100mm (3.0km) 6. Steel pipe d 250mm (1.5km) 7. Steel pipe d 200mm (2.0km)
2	2	K-08		State system	2: Commodity Charge	0.0251 Somoni/m3	1: Collector						not used	1. Pump ECV 8-40-125 (1kit) 2. Sluice valve d 80mm (2pcs) 3. Sluice valve d 100mm (4pcs) 4. Pit d 1.0m (6kits) 5. Check valve d 80 mm (1kit) 6. Air valve d 32mm (1pc) 7. Valve d 15mm (20pcs) 8. Polyethylene pipe d 76mm (800m) 9. Polyethylene pipe d 100mm (1.2km) 10. Steel pipe d 20mm (120m) 11. Steel pipe d 50mm (40m) 12. Steel pipe d 114mm (40m) 13. Polyethylene pipe d 150mm (2.5km)
3	3	K-03		State system	2: Commodity Charge	0.12 Somoni/m3	1: Collector				Necessary to create the assotiation water user for collection of the money and exploitations of the systems.		not used	1. Pump ECV 8-40-125 (1kit) 2. Sluice valve d 80 mm (2pcs) 3. Sluice valve d 100 mm (4pcs) 4. Air valve d 50 mm (2pcs) 5. Pipe d 20 mm (200m) 6. Pit d 1.0 m (6kits) 7. Valve d 15 mm (24pcs) 8. Polyethylene pipe d 76 mm (800m) 9. Polyethylene pipe d 100 mm (3km) 10. Check valve d 50 mm (1pc) 11. Cement (1ton) 12. Flush (0.1ton)
4	4	K-09		State system	2: Commodity Charge	0.12 Somoni/m3	1: Collector				Required to install the system of the disinfection of water for reduction number to diseases of the ambience of the consumers(users).		not used	1. Sluice valve d 100 mm (12kits) 2. Sluice valve d 150 mm (12kits) 3. Pump ECV 10-120-60 (2kits) 4. Steel pipe d 20 mm (1km) 5. Pit d 1.5 mm (20kits) 6. Hlorator (1bld) 7. Polyethylene pipe d 100 mm (3km) 8. Polyethylene pipe d 150 mm (3km) 9. Water taps (105kits)
5	5	K-12		State system	1: Flat Rate	3 Somoni/month	1: Collector				Required to clean the bore hole of the area Ziraki for full provision of drinking water to population		not used	1. Sluice valve d 100 mm (8pcs) 2. Sluice valve d 150 mm (8pcs) 3. Sluice valve d 200 mm (8pcs) 4. Water taps (75pcs) 5. Steel pipe d 20 mm (900m) 6. Pit d 1.5 m (24kits) 7. Pump ECV 10-120-60 (2kits) 8. Polyethylene pipe d 100 mm (3km) 9. Polyethylene pipe d 200 mm (1km) 10. Polyethylene pipe d 150 mm (4km) 11. Transformer 160-10 (1kit)
6	6	K-02		State system	2: Commodity Charge	0.12 Somoni/m3	1: Collector				necessary to install the system of the disinfection water for number of the diseases		not used	1. Pump ESV 8-16-125 (1kit) 2. Pipe d 114mm (60m) 3. Water tap (20kits) 4. Heavy repair water fence (1bldg)
7	7	K-05		State system	2: Commodity Charge	0.0251 Somoni/m3	1: Collector	2: Transferring			Necessary build new reservoir in centre ҳишнака for spare of water capacity 2000м3	Install system a disinfection for reduction number diseases	not used	1. Pump ESV 8-40-125 (2kit) 2. Centrifugal pump of the type K80/105 (2kit) 3. Pipe PVP d100 mm (1.5km) 4. Transformer 160/10кВт (1kit) 5. Welding unit (1pc)

Water Supply System Data Base

Serial No.	File No.	WSS ID	Specify for Other	J-2 Component of Organization	J-3 Water Tariff System: Tariff System	J-3 Water Tariff System: Tariff	J-4 Water Tariff Collection System		J-5 Role of organizations for repairing and replacement of facilities (including expense distribution): RWSA	J-5 Role of organizations for repairing and replacement of facilities (including expense distribution): Operator (selected in J-1)	K-1 Problems most concerned for improvement of living conditions of the village/community: 1st Priority	K-1 Problems most concerned for improvement of living conditions of the village/community: 2nd Priority	K-2 Names of agricultural chemicals used in the area	Name, Specification and Quantity of Facility
8	8	K-01	GUP "KHMK"	State system	2: Commodity Charge	0.12 Somoni/m3	1: Collector	2: Transferring			Perfect system of the disinfection of water	Produce the heavy repair an водоза борного buildings	not used	1. Pump ESV 10-65-120 (3kit) 2. Sluice valve d300 mm (4pcs) 3. Sluice valve d200 mm (8pcs) 4. Sluice valve d100 mm (14pcs) 5. Air valve d25 mm (8pcs) 6. Check valve d200 mm (4pcs) 7. Control panel type Cascade (3kits) 8. Transformer KTP 400/10 (1pc) 9. Electric motor 75kw 1500o6/mines (4kits) 10. Cable APV 95x16 (120m) 11. Full tilts iron-concrete for LET (15kits)
9	9	K-14	OVP Kafolat	State system	1: Flat Rate	3 Somoni/month	1: Collector				necessary to produce exploitation an organization	Provide technology and mechanism for exploitation system	not used	1. Pump ESV8-40-125 (2kit) 2. Control panel type cascade (2kit) 3. Sluice valve d100 mm (4pcs) 4. Check valve (2pcs) 5. Pipe PVH d100 mm (500m)
10	10	K-06		State system	1: Flat Rate	3 Somoni/month	1: Collector				Required to install the system of the disinfection for reduction number to infectious disease		not used	1. Pump ECV 6-16-125 (1pc) 2. Polyethylene cable-10 (120m) 3. Rack cabinet control (1pc) 4. Sluice valve d 100 mm (5pcs) 5. Water taps d 25 mm (20pcs) 6. Steel pipe d 100 mm (2.2km) 7. Polyethylene pipe d 100 mm (1km) 8. Cleaning bore hole (1bldg)
11	11	K-04		State system	2: Commodity Charge	0.012 Somoni/m3	1: Collector				Required to install the system of the disinfection for reduction number to diseases		not used	1. Pump ECV 8-40-125 (1kit) 2. Control panel (1kit) 3. Check valve (1pc) 4. Water taps (20pcs) 5. Steel pipe d 150 mm (160m) 6. Steel pipe d20 mm (200m) 7. Heavy repair pumps station building (1bldg)
12	12	K-13		State system	2: Commodity Charge	0.12 Somoni/m3	1: Collector				Required to install system of the disinfection of water for the sake of reduction number to infectious diseases		not used	1. Pump ECV 8-40-125 (1kit) 2. Pipe d 114 mm (160m) 3. Water taps (20kits) 4. Pipe d 159 mm (80m) 5. Sluice valve d 100 mm (4pcs) 6. Inverse valve d 100 mm (2pcs) 7. Heavy repair pump station building (1bldg)
13	13	K-11		State system	2: Commodity Charge	0.12 Somoni/m3	1: Collector						not used	1. Pump ECV 8-40-125 (1kit) 2. Control panel (1kit) 3. Check valve (1kit) 4. Water taps d 20mm (35pcs) 5. Pipe d 15mm (100m) 6. Pipe d 114mm (180m) 7. Heavy repair pumps station building (1bldg) 8. Bitumen (0.8 ton) 9. Ruberoid (100m2)
14	14	K-07		State system	2: Commodity Charge	0.12 Somoni/m3	1: Collector				Necessary to create association water users of the drinking purpose for collection of the money and service system		not used	1. Water taps d20 mm (22pcs) 2. Pipe d20 mm (200m) 3. Sluice valve d100 mm (4pcs) 4. Sluice valve d80 mm (4pcs) 5. Pump ESV 8-40-125 (2kits) 6. Pipe steel d114 mm (0.2km) 7. Pipe PVP d150 mm (1.2km) 8. Heavy repair of the building to pumping station (1bldg)
15	1	R-37	Vodokanal	State system	2: Commodity Charge	0.12 Somoni/m3	1: Collector						not used	1. Sluice valve d100 mm (4pcs) 2. Air valve d50 mm (2pcs) 3. Valve d15 mm (30pcs) 4. Pit 1,5 m (4kits) 5. Pipe steel d20 mm (250m) 6. Pipe steel d100 mm (60m) 7. Pipe PVP d100 mm (3.2km) 8. Bitumen (0.5ton) 9. Cement (0.6ton)

Water Supply System Data Base

Serial No.	File No.	WSS ID	Specify for Other	J-2 Component of Organization	J-3 Water Tariff System: Tariff System	J-3 Water Tariff System: Tariff	J-4 Water Tariff Collection System		J-5 Role of organizations for repairing and replacement of facilities (including expense distribution): RWSA	J-5 Role of organizations for repairing and replacement of facilities (including expense distribution): Operator (selected in J-1)	K-1 Problems most concerned for improvement of living conditions of the village/community: 1st Priority	K-1 Problems most concerned for improvement of living conditions of the village/community: 2nd Priority	K-2 Names of agricultural chemicals used in the area	Name, Specification and Quantity of Facility
16	2	R-06	Central district hospital	State system	2: Commodity Charge	0.0251 Somoni/m3	1: Collector	2: Transferring					not used	1. Sluice valve d 150 mm (2pcs) 2. Sluice valve d 100 mm (6pcs) 3. Sluice valve d 80 mm (4pcs) 4. Valve d 15 mm (14pcs) 5. Air valve d 25 mm (1pc) 6. Check valve d 80 mm (2pcs) 7. Check valve d 100 mm (1pc) 8. Check valve d 150 mm (2pcs) 9. Steel pipe d 20 mm (120m) 10. Steel pipe d 76 mm (100m) 11. Steel pipe d 50 mm (100m) 12. Steel pipe d 114 mm (200m) 13. Steel pipe d 159 mm (220m) 14. Polyethylene pipe d 140 mm (900m) 15. Polyethylene pipe d 100 mm (300m) 16. Polyethylene pipe d 76 mm (200m) 17. Pit d 1.5 m (6kits) 18. Fireman fireplug. 19. Pump K 85/90 40kvt, 2900turn/min (1kit) 20. Pump 3K-6, 22kvt, 1500 turn/min (1kit) 21. Tower 25 m3 (1kit) 22. Brick (12000pcs) 23. Cement (6ton) 24. Lime (3ton) 25. Slate (60pcs) 26. Door 2.0x0.9 m (1kit) 27. Window 1.5x1.2 m (1kit)
17	3	R-04	Vodokanal GUP "KhMK"	State system	2: Commodity Charge	0.12 Somoni/m3	1: Collector	2: Transferring			Required to install the system of the disinfection of water for reduction number to diseases	Required to conduct the rehabilitation Vahshs main water to water	not used	1. Sluice valve d 100 mm (4pcs) 2. Air valve d 50 mm (2pcs) 3. Valve d 15 mm (30pcs) 4. Pit d 1.5 m (4kits) 5. Steel pipe d 20 mm (250m) 6. Steel pipe d 100 mm (60m) 7. Polyethylene pipe d 100 mm (3.2km) 8. Cement (0.6ton) 9. Bitumen (0.5ton)
18	4	R-05	Vodokanal GUP "KhMK"	State system	2: Commodity Charge	0.12 Somoni/m3	1: Collector	2: Transferring			necessary to produce heavy repair of the water building	Necessary perfect system of the disinfection	not used	1. Pump d320/50 with electric motor 75 kw 1500 turns/minutes (2pcs) 2. Pump 8NDV, 160 kw, 1500 turn/min (2pcs) 3. Pipe st.d200 mm (4.5km) 4. Pipe d150 mm (3.2km) 5. Sluice valve d250 mm (6pcs) 6. Sluice valve d200 mm (8pcs) 7. Sluice valve d150 mm (10pcs) 8. Sluice valve d100 mm (12pcs) 9. Check valve d200 mm (4pcs)
19	5	R-38	Vodokanal GUP "KhMK"	State system	2: Commodity Charge	0.12 Somoni/m3	1: Collector	2: Transferring					not used	1. Sluice valve d80 mm (2pcs) 2. Air valve d25 mm (1pc) 3. Valve d15 mm (15pcs) 4. Pipe steel d15 mm (100m) 5. Pit d1.0 m (2kits) 6. Pipe PVP d80 mm (1.1km) 7. Cement (0.4ton) 8. Bitumen (0.1ton) 9. Sand Gravel (3m3)
20	6	R-32	Vodokanal GUP "KhMK"	State system	2: Commodity Charge	0.12 Somoni/m3	1: Collector						not used	1. Sluice valve d 100 mm (2pcs) 2. Air valve d 25 mm (1pc) 3. Valve d 20 mm (20pcs) 4. Pit d 1.5 m (2kits) 5. Steel pipe d 20 mm (180m) 6. PVC Pipe d 100 mm (1.5km) 7. Engraver (3m3) 8. Cement (0.4ton) 9. Bitumen (0.4ton)
21	7	R-07		State system	2: Commodity Charge	0.0251 Somoni/m3	1: Collector				Required to install system of the disinfection for protection of the population from disease	Required to conduct inwardly economic rehabilitations of the networks	not used	1. Sluice valve d 100 m (2pcs) 2. Air valve d 50 mm (2pcs) 3. Valve d 15 mm (20pcs) 4. Pipe d 20 mm (200m) 5. Pit d 1 m (2kits) 6. Steel pipe d 114 mm (150m) 7. Polyethylene pipe d 100 mm (2.5km) 8. Bitumen (0.2ton) 9. Cement (0.3ton)

Water Supply System Data Base

Serial No.	File No.	WSS ID	Specify for Other	J-2	J-3		J-4		J-5		K-1		K-2	
				Component of Organization	Water Tariff System		Water Tariff Collection System		Role of organizations for repairing and replacement of facilities (including expense distribution)		Problems most concerned for improvement of living conditions of the village/community		Names of agricultural chemicals used in the area	Name, Specification and Quantity of Facility
					Tariff System	Tariff			RWSA	Operator (selected in J-1)	1st Priority	2nd Priority		
22	8	R-08	KhREY Qumsangir	State system	2: Commodity Charge	0.0251 Somoni/m3	1: Collector	2: Transferring			The lack of water	There is a problem with electro energy	not used	1. Sluice valve d 300 mm (4pcs) 2. Sluice valve d 200 mm (6pcs) 3. Transformer TM-400 KV (1kit) 4. Welding unit (1kit)
23	9	R-09	KhREY Qumsangir	State system	2: Commodity Charge	0.0251 Somoni/m3	1: Collector	2: Transferring			There are problem with drinking water.		not used	1. Sluice valve d 100 mm (4pcs) 2. Sluice valve d 80 mm (2pcs) 3. Air valve d 50 mm (2pcs) 4. Valve d 15 mm (35pcs) 5. Steel pipe d 20 mm (250m) 6. Pit d 1.0 m (8kits) 7. Polyethylene pipe d 100 mm (2.6km) 8. Steel pipe d 114 mm (200m) 9. Steel pipe d 76 mm (80m) 10. Cement (0.5ton) 11. Bitumen (0.2ton)
24	10	R-27		Of a collective farm	2: Commodity Charge	0.0251 Somoni/m3	1: Collector	2: Transferring			Install system of the disinfection.	Conduct the heavy repair of the system	not used	1. Sluice valve d 600 mm (1pc) 2. Water meter. d 150 mm (1pc) 3. Sluice valve d 150 mm (4pcs) 4. Valve d 15 mm (12pcs) 5. Water taps (12pcs) 6. Pitl d 2.0 m (1kit) 7. Pipe d 20 mm (120m) 8. Steel pipe d 150 mm (120m) 9. Cement (3.8ton) 10. Bitumen (1.0ton) 11. Flush (40kg) 12. Sand (4m3)
25	11	R-10		Of a collective farm	2: Commodity Charge	0.0251 Somoni/m3	1: Collector	2: Transferring			necessary to rehabilitate Vahshskiy main pipe line from main before Uzun-2		not used	1. Sluice valve d150 mm (2pcs) 2. Sluice valve d100 mm (4pcs) 3. Air valve d32 mm (2pcs) 4. Valve d15 mm (30pcs) 5. Pipe steel d20 mm (200m) 6. Pipe steel d159 mm (180m) 7. Pipe steel d114 mm (260m) 8. Pipe PVP d100 mm (1500m) 9. Pit d 1.0 m (4kit) 10. Cement (0.6ton) 11. Bitumen (0.3ton)
26	12	R-11		Of the collective farm	2: Commodity Charge	0.0251 Somoni/m3	1: Collector	2: Transferring			Required to conduct the rehabilitation on lines divorcing networks.		not used	1. Sluice valve d 150 mm (4pcs) 2. Sluice valve d 100 mm (4pcs) 3. Air valve d 32 mm (2pcs) 4. Valve d 15 mm (13pc) 5. Steel pipe d 20 mm (200m) 6. Steel pipe d 114 mm (180m) 7. Steel pipe d 159 mm (200m) 8. Steel pipe d 100 mm (1km) 9. Pit d 1.0 m (4kits) 10. Bitumen (0.4ton) 11. Cement (0.6ton)
27	13	R-13		State system	2: Commodity Charge	0.0251 Somoni/m3	1: Collector	2: Transferring			The Problem with drinking water	It is Necessary rehabilitation inwardly economic set.	not used	1. Sluice valve d 50 mm (4pcs) 2. Sluice valve d 100 mm (8pcs) 3. Air valve d 50 mm (4pcs) 4. Valve d 15 mm (40pcs) 5. Pit d 1.0 m (8kits) 6. Steel pipe d 150 mm (300m) 7. Steel pipe d 114 mm (100m) 8. Polyethylene pipe d 100 mm (4.1km) 9. Polyethylene pipe d 50 mm (2.1km)
28	14	R-14		State system	2: Commodity Charge	0.0251 Somoni/m3	1: Collector	2: Transferring			Necessary rehabilitation inwardly economic set	Necessary install system of the disinfection of water for reduction number to diseases	not used	1. Sluice valve d100mm (2pcs) 2. Air release valve d50mm (2pcs) 3. Valve d15 mm (30pcs) 4. Pipe steel d150 mm (300m) 5. Pit d1,0 m (4kits) 6. Pipe PVP d100 mm (5.2km) 7. Cover d150mm from pipes (150m) 8. Cement (0.5ton) 9. Bitumen (0.3too)

Water Supply System Data Base

Serial No.	File No.	WSS ID	Specify for Other	J-2	J-3		J-4		J-5		K-1		K-2	
					Water Tariff System		Water Tariff Collection System		Role of organizations for repairing and replacement of facilities (including expense distribution)		Problems most concerned for improvement of living conditions of the village/community		Names of agricultural chemicals used in the area	Name, Specification and Quantity of Facility
				Component of Organization	Tariff System	Tariff			RWSA	Operator (selected in J-1)	1st Priority	2nd Priority		
29	15	R-28		State system	2: Commodity Charge	0.0251 Somoni/m3	1: Collector				Problem with electric power	Problem with natural gas	not used	1. Sluice valve d200 mm (4pcs) 2. Sluice valve d150 mm (6pcs) 3. Sluice valve d100 mm (8pcs) 4. Pipe steel d150 mm (1km) 5. Pipe steel d100 mm (1.2km) 6. Pipe steel d50 mm (1.5km)
30	16	R-12		State system	2: Commodity Charge	0.0251 Somoni/m3	1: Collector	2: Transferring					not used	1. Sluice valve d 100 mm (2pcs) 2. Valve d 15 mm (15pcs) 3. Air valve d 25 mm (1pc) 4. Steel pipe d 20 mm (100m) 5. Steel pipe d 114 mm (50m) 6. Polyethylene pipe d 100 mm (1.2km) 7. Pit d 1.0 m (2kits) 8. Bitumen (0.2ton) 9. Cement (0.2ton)
31	17	R-29		State system	2: Commodity Charge	0.0251 Somoni/m3	1: Collector				Raise pressure on Vahshskom pipe line		not used	1. Sluice valve d100 mm (2pcs) 2. Air valve d25 mm (15pcs) 3. Valve d15 mm (1pc) 4. Water taps (15kits) 5. Pipe PVP d100 mm (500m) 6. Pipe steel d100 mm (200m) 7. Pit d1.5 m (2kits)
32	18	R-15		State system	2: Commodity Charge	0.0251 Somoni/m3	1: Collector	2: Transferring			Required to restore the main a pipe-wire Vakhsh.		not used	1. Sluice valve d 100 mm (4pcs) 2. Sluice valve d 150 mm (4pcs) 3. Air valve d 32 mm (2pcs) 4. Valve d 15 mm (25pcs) 5. Steel pipe d 20 mm (200m) 6. Steel pipe d 100 mm (120m) 7. Steel pipe d 150 mm (200m) 8. Bitumen (0.2ton) 9. Cement (0.3ton) 10. Bolts d 16 mm (0.1ton)
33	19	R-30		State system	2: Commodity Charge	0.0251 Somoni/m3	1: Collector	2: Transferring			Send the system to water-supply to drinking purpose in hands of the private citizen since 90% these systems in collective farm and state farm become without care		not used	1. Sluice valve d100mm (3pcs) 2. Air valve d32 mm (1pc) 3. Valve d20 mm (25pcs) 4. Water taps (25pcs) 5. Pit d 1.5 m (3kits) 6. Pipe steel d100 mm (800m) 7. Pipe d20 mm (200m)
34	20	R-33	Vodokanal GUP "KhMK"	State system	2: Commodity Charge	0.0251 Somoni/m3	1: Collector	2: Transferring			Will Provide get fat power of water on Vahshskom pipe line		not used	1. Sluice valve d 100 mm (3pcs) 2. Air valve d 25 mm (2pcs) 3. Valve d 15 mm (15pcs) 4. Pipe d 20 mm (100m) 5. Pit d 1.0 m (3kits) 6. Pipe polyethylene d 100 mm (1.1km) 7. Steel pipe d 114 mm (80m) 8. Cement (0.3ton) 9. Bitumen (0.2ton)
35	21	R-01		State system	2: Commodity Charge	0.0251 Somoni/m3	1: Collector				Necessary to conduct heavy repair Vahshs main pipe line that worked to aggregate capacity		not used	1. Sluice valve d100 mm (2pcs) 2. Sluice valve d150 mm (2pcs) 3. Sluice valve d200 mm (2pcs) 4. Air valve d32 mm (2pcs) 5. Valve d15 mm (20pcs) 6. Pipe steel d20 mm (200m) 7. Pipe steel d100 mm (150m) 8. Pipe steel d219 mm (180m) 9. Cement (2.0ton) 10. Sand (4m^3) 11. Bitumen (0.6ton) 12. Engraver, macadam (2m^3)
36	22	R-18		State system	2: Commodity Charge	0.0251 Somoni/m3	1: Collector	2: Transferring			Required to conduct heavy repair on divorcing networks	Improve Pressure of water Vakhsh.	not used	1. Sluice valve d 50 mm (16pcs) 2. Sluice valve d 100 mm (2pcs) 3. Water taps (16kits) 4. Polyethylene pipe d 100 mm (0.8km) 5. Steel pipe d 100 mm (100m) 6. Steel pipe d 25 mm (160m)

Water Supply System Data Base

Serial No.	File No.	WSS ID	Specify for Other	J-2 Component of Organization	J-3 Water Tariff System: Tariff System	J-3 Water Tariff System: Tariff	J-4 Water Tariff Collection System		J-5 Role of organizations for repairing and replacement of facilities (including expense distribution): RWSA	J-5: Operator (selected in J-1)	K-1 Problems most concerned for improvement of living conditions of the village/community: 1st Priority	K-1: 2nd Priority	K-2 Names of agricultural chemicals used in the area	Name, Specification and Quantity of Facility
37	23	R-17	KUMO / MM and VR TR	State system	2: Commodity Charge	0.0251 Somoni/m3	1: Collector	2: Transferring			Required to restore the lines a bore hole to main pipe line for increasing of the pressure.		not used	1. Sluice valve d 150 mm (2pcs) 2. Sluice valve d 200 mm (2pcs) 3. Air valve d 32 mm (2pcs) 4. Pump K 45/90, 45kvt, 2900turn/min (1kit) 5. Pit d 1.5 m (2pcs) 6. Reservoir 1000m3 (1pcs) 7. Steel pipe d 150 mm (0.5km)
38	24	R-18		State system	2: Commodity Charge	0.0251 Somoni/m3	1: Collector	2: Transferring			Raise pressure on Vakhsh pipe line		not used	1. Sluice valve d100 mm (2pcs) 2. Pipe steel d100 mm (100m) 3. Pipe PVP d100 mm (500m) 4. Pipe steel d25 mm (200m) 5. Water taps (20pcs)
39	25	R-19		State system	1: Flat Rate	3 Somoni/month	1: Collector				problem with drinking water	Problem with electro energy	not used	1. Sluice valve d200 mm (6pcs) 2. Sluice valve d150 mm (6pcs) 3. Sluice valve s100 mm (6pcs) 4. Air valve d32 mm (6pcs) 5. Pump D320/50 75kw 3000 turn/min (1kit) 6. Valve d15 mm (18pcs) 7. Pump K-85/90 3000 turn/min (2kits) 8. Pipe steel d159 mm (0.1km) 9. Pipe steel d20 mm (1km) 10. Pipe steel d219 mm (1km) 11. Pipe steel d114 mm (0.6km) 12. Pit d1.5 m (4kits) 13. Brick (10000pcs) 14. Cement (4ton) 15. Sand (10m3) 16. Lime (1ton) 17. Slate (80pcs) 18. El. frequent illuminations (4bldg) 19. Paint-and-lacquer materials (0.1ton) 20. Bitumen (0.6ton)
40	26	R-20		State system	2: Commodity Charge	0.0251 Somoni/m3	1: Collector				The Necessary urgent heavy repair.		not used	1. Sluice valve d 150 mm (2pcs) 2. Sluice valve d 100 mm (6pcs) 3. Sluice valve d 80 mm (2pcs) 4. Valve d 15 mm (30pcs) 5. Steel pipe d 20 mm (220m) 6. Pit d 1.0 m (6kits) 7. Pump D 320/70 75kw 3000 turn/min (1kit) 8. Bath enamel (2kits) 9. Steel pipe d 114 mm (200m) 10. Steel pipe d 159 mm 11. Polyethylene pipe d 100 mm (700m) 12. Brick (6000pcs) 13. Cement (4ton) 14. Lime (2ton) 15. Bitumen (0.3ton) 16. Paint (50kg) 17. Slate SV-40 (30pcs)
41	27	R-34		State system	2: Commodity Charge	0.0251 Somoni/m3	1: Collector	2: Transferring					not used	1. Sluice valve d 100 mm (2pcs) 2. Air valve d 32 mm (1pc) 3. Valve d 15 mm (18pcs) 4. Steel pipe d 100 mm (80m) 5. Steel pipe d 20 mm (180m) 6. Bitumen (0.4ton) 7. Cement (1.5ton) 8. Gravel (3m3)
42	28	R-21		State system	2: Commodity Charge	0.0251 Somoni/m3	1: Collector	2: Transferring					not used	1. Sluice valve d 150 mm (2pcs) 2. Sluice valve d 200 mm (2pcs) 3. Water-meter d 150 mm (1pc) 4. Air valve d 32 mm (2pcs) 5. Pump ECV 10-120-60 (1kit) 6. Pump K 65/90 with the electro motor 45kvt, 2900turn/min (1kit) 7. Pit d 1.5 m (2kits) 8. Pipe d 150 mm (1km)

Water Supply System Data Base

Serial No.	File No.	WSS ID	Specify for Other	J-2 Component of Organization	J-3 Water Tariff System: Tariff System	J-3 Water Tariff System: Tariff	J-4 Water Tariff Collection System		J-5 Role of organizations for repairing and replacement of facilities (including expense distribution): RWSA	J-5: Operator (selected in J-1)	K-1 Problems most concerned for improvement of living conditions of the village/community: 1st Priority	K-1: 2nd Priority	K-2 Names of agricultural chemicals used in the area	Name, Specification and Quantity of Facility
43	29	R-02		Of the collective farm	2: Commodity Charge	0.0251 Somoni/m3	1: Collector	2: Transferring					not used	1. Sluice valve d 50 mm (1pc) 2. Sluice valve d 100 mm (2pcs) 3. valve d 15 mm (20pcs) 4. Steel pipe d 20 mm (100m) 5. Polyethylene pipe d 50 mm (1km) 6. Polyethylene pipe d 100 mm (1km) 7. Pit d 1.0 m (2kits)
44	30	R-23		State system	2: Commodity Charge	0.0251 Somoni/m3	1: Collector	2: Transferring					not used	1. Sluice valve d 100 mm (2pcs) 2. Sluice valve d 80 mm (2pcs) 3. Air valve d 25 mm (2pcs) 4. Valve d 15 mm (24pcs) 5. Pit d 1.0 m (6kits) 6. Polyethylene pipe d 100 mm (1.5km) 7. Polyethylene pipe d 76 mm (800m) 8. Steel pipe d 114 mm (80m) 9. Bitumen (0.5ton) 10. Cement (0.2ton) 11. Ruberoid (100m3) 12. Spare parts for the pipes d 100 mm (20kits) 13. Spare parts for the pipes d 80 mm (20kits) 14. Water meter d 100 mm (1kit)
45	31	R-22		State system	2: Commodity Charge	0.0251 Somoni/m3	1: Collector	2: Transferring			Required to supply with the latest technology of the disinfection		not used	1. Sluice valve d 150 mm (16pcs) 2. Sluice valve d 200 mm (8pcs) 3. Sluice valve d 50 mm (4pcs) 4. Air valve d 32 mm (4pcs) 5. Pit d 1.5 m (6kits) 6. Pump ECV 8-40-125 (2kits) 7. Pump ECV 10-120-60 (2kits) 8. Pump D 320/50 with electro motor 75kvt, 15000 turn/min (4kits) 9. Steel pipe d 150 mm (1km) 10. Steel pipe d 219 mm (0.2km) 11. Steel pipe d 133 mm (0.2km) 12. Cement (2.6ton) 13. Bitumen (2ton) 14. Ruberoid (1200m3)
46	32	R-24	Village	Jamoat	2: Commodity Charge	0.0251 Somoni/m3	1: Collector						not used	1. Sluice valve d 80 mm (2pcs) 2. Sluice valve d 100 mm (1pc) 3. Air valve d 32 mm (1pc) 4. Pit d 1.0 m (4pcs) 5. Valve d 15 mm (15pcs) 6. Steel pipe d 20 mm (100m) 7. Pipe d 76 mm (0.6km) 8. Steel pipe d 114 mm (60m) 9. Pipe d 100 mm (1km)
47	33	R-39		Of the collective farm	2: Commodity Charge	0.0251 Somoni/m3	1: Collector	2: Transferring					not used	1. Sluice valve d 200 mm (1pc) 2. Sluice valve d 100 mm (2pcs) 3. Air valve d 32 mm (2pcs) 4. Valve d 15 mm (16pcs) 5. Pit 1.0 m (2kits) 6. Steel pipe d 200 mm (100m) 7. Steel pipe d 219 mm (80m) 8. Steel pipe d 114 mm (500m) 9. Polyethylene pipe d 100 mm (1km) 10. Cement (0.5ton)
48	34	R-03		Of the collective farm	2: Commodity Charge	0.0251 Somoni/m3	1: Collector	2: Transferring			required to rehabilitate system divorced network		not used	1. Sluice valve d 150 mm (1pc) 2. Sluice valve d 100 mm (2pcs) 3. Air valve d 50 mm (1pc) 4. Valve d 15 mm (12pcs) 5. Steel pipe d 15 mm (100m) 6. Polyethylene pipe d 100 mm (1.4km) 7. Steel pipe d 114 mm (60m) 8. Pit d 1.0 m (3kits) 9. Cement (0.2ton) 10. Bitumen (0.1ton)

Water Supply System Data Base

Serial No.	File No.	WSS ID	Specify for Other	J-2	J-3		J-4		J-5		K-1		K-2	
				Component of Organization	Water Tariff System		Water Tariff Collection System		Role of organizations for repairing and replacement of facilities (including expense distribution)		Problems most concerned for improvement of living conditions of the village/community		Names of agricultural chemicals used in the area	Name, Specification and Quantity of Facility
					Tariff System	Tariff			RWSA	Operator (selected in J-1)	1st Priority	2nd Priority		
49	35	R-36	Kolkhoz, Village	State system	1: Flat Rate	3 Somoni/month	1: Collector						not used	1. Sluice valve d80 mm (2pcs) 2. Sluice valve d100 mm (4pcs) 3. Air valve d50 mm (2pcs) 4. Valve d15 mm (20pcs) 5. Water meter d100 mm (1kit) 6. Pipe steel d20 mm (200m) 7. Pipe PVP d100 mm (2.4km) 8. Pipe steel d114 mm (80m) 9. Pit d1.0 m (6kits)
50	36	R-25		Of the collective farm	2: Commodity Charge	0.0251 Somoni/m3	1: Collector	2: Transferring			It is necessary to install the system of the disinfection		not used	1. Sluice valve d 100 mm (6pcs) 2. Sluice valve d 150 mm (5pcs) 3. Air valve d 50 mm (4pcs) 4. Pit d 1.5 m (6kits) 5. Pipe d15 mm (180m) 6. Valve d 15 mm (30pcs) 7. Cement (2ton) 8. Bitumen (2ton) 9. Ruberoid (300m3) 10. Water-meter d 150 mm (1pc) 11. Steel pipe d 159 mm (160m) 12. Polyethylene pipe d 160 mm (1km) 13. Polyethylene pipe d 110 mm (800m) 14. Steel pipe d 114 mm (120m)
51	37	R-35		State system	2: Commodity Charge	0.0251 Somoni/m3	1: Collector						not used	1. Sluice valve d 150 mm (4pcs) 2. Sluice valve d 200 mm (2pcs) 3. Air valve d 50 mm (2pcs) 4. Valve d 15 mm (20pcs) 5. Steel pipe d 20 mm (200m) 6. Well d 1.0 m (6kits) 7. Bitumen (0.4ton) 8. Cement (0.5ton) 9. Steel pipe d 159 mm (60m) 10. Steel pipe d 219 mm (80m) 11. Steel pipe d 114 mm (240m) 12. Polyethylene pipe d 100 mm (1km) 13. Spare parts (80kits) 14. Tap d 219 mm (8kits) 15. Tap 159 mm (4kits) 16. Tap d 114 mm (4kits) 17. Gravel (3m3) 18. Water-meter d 150 mm (1kit) 19. Diesel oil (1ton) 20. Diesel fuel (0.2ton)
52	38	R-31		State system	2: Commodity Charge	0.0251 Somoni/m3	1: Collector	2: Transferring			It is necessary to supply the latest technology for decontamination water		not used	1. Sluice valve d 630 mm (4pcs) 2. Shutter d 800 mm (4pcs) 3. Air valve d 50 mm (4pcs) 4. Pump D630/90 250kvt 1500turn/min (2kits) 5. Steel pipe d 720 mm (70m) 6. Steel pipe d 630 mm (60m) 7. Fluid glass (1ton) 8. Ruberoid (400m2) 9. Bitumen (3ton)

Water Supply System Data Base

Serial No.	File No.	WSS ID	Specify for Other	J-2 Component of Organization	J-3 Water Tariff System: Tariff System	J-3 Water Tariff System: Tariff	J-4 Water Tariff Collection System		J-5 Role of organizations for repairing and replacement of facilities (including expense distribution): RWSA	J-5 Role of organizations for repairing and replacement of facilities (including expense distribution): Operator (selected in J-1)	K-1 Problems most concerned for improvement of living conditions of the village/community: 1st Priority	K-1 Problems most concerned for improvement of living conditions of the village/community: 2nd Priority	K-2 Names of agricultural chemicals used in the area	Name, Specification and Quantity of Facility
53	39	R-26		Of the collective farm	2: Commodity Charge	0.0251 Somoni/m3	1: Collector				Will intensify system of the presenting of water at the first water fence Vahshs main pipe line	Required to install the system of the disinfection of water for reduction number to diseases	not used	1. Sluice valve d 200 mm (4pcs) 2. Sluice valve d 150 mm (4pcs) 3. Sluice valve d 100 mm (6pcs) 4. Sluice valve d 50 mm (3pcs) 5. Air valve d 32 mm (4pcs) 6. Valve d 15 mm (20pcs) 7. Pump NDV-6 55kw 3000 turn/min (3kits) 8. Transformer KTP-160/10 (1kit) 9. Duty personal building (1bldg) 10. Toilet (1bldg) 11. Gates and improvement (1bldg) 12. Pit d 1.0 m (4kits) 13. Pit d 1.5 m (4kits) 14. Steel pipe d 20 mm (200m) 15. Polyethylene pipe d100 mm (2.5km) 16. Polyethylene pipe d 50 mm (0.5km) 17. Steel pipe d 114 mm (80m) 18. Steel pipe d 150 mm (140m) 19. Steel pipe d 219 mm (600m) 20. Ruberoid (900m2) 21. Bitumen (1.3ton) 22. Paint (0.1ton) 23. Cement (4ton) 24. Fluid glass (0.2ton)
54	1	J-02	Village	State system	2: Commodity Charge	0.0251 Somoni/m3	1: Collector				There are problems with the drinking water	There are the problems with the electro-energy	not used	1. Sluice valve d 100 mm (2pcs) 2. Tap d 15 mm (14pcs) 3. Pipe d 50 mm (0.6km) 4. Pipe d 100 mm (1km)
55	2	J-01		Of the collective farm	2: Commodity Charge	0.0251 Somoni/m3	1: Collector				There is a problem with electro-energy.	Steady presenting of water.	not used	1. Sluice valve d 150 mm (2pcs) 2. Air valve d 50 mm (1pcs) 3. Water tap d 15 mm (16pcs) 4. Pipe d 20 mm (150m) 5. Steel pipe d 150 mm (60m) 6. Steel pipe d 100 mm (70m) 7. Cement (0.2ton) 8. Bitumen (0.1ton)
56	3	J-03		State system	2: Commodity Charge	0.0251 Somoni/m3	1: Collector				There is a problem with the drinking water.		not used	1. Sluice valve d 100 mm (2pcs) 2. Sluice valve d 150 mm (2pcs) 3. Water tap d 15 mm (15pcs) 4. Air valve d 50 mm (1pcs) 5. Steel pipe d д20 mm (150m) 6. Steel pipe d д100 mm (80m) 7. Steel pipe d д150 mm (60m) 8. Cement (0.5ton) 9. Bitumen (0.3ton)
57	4	J-04		State system	2: Commodity Charge	0.0251 Somoni/m3	1: Collector						not used	1. Sluice valve d 150 mm (2pcs) 2. Sluice valve d 100 mm (1pc) 3. Air valve d 50 mm (1pc) 4. Water tap d 15 mm (15pcs) 5. Pipe d 20 mm (130m) 6. Steel pipe d 100 mm (50m) 7. Steel pipe d 150 mm (70m) 8. Cement (0.6ton) 9. Bitumen (0.4ton)
58	5	J-05		State system	2: Commodity Charge	0.0251 Somoni/m3	1: Collector				lack of water	There are problems with electro-energy.	not used	1. Sluice valve d 100 mm (4pcs) 2. Sluice valve d 150 mm (2pcs) 3. Water tap d 15 mm (30pcs) 4. Air valve d 50 mm (2pcs) 5. Steel pipe d 20 mm (300m) 6. Bitumen (0.2ton) 7. Cement (1.4ton) 8. Steel pipe d100 mm (120m) 9. Steel pipe d150 mm (80m)

Water Supply System Data Base

Serial No.	File No.	WSS ID	Specify for Other	J-2 Component of Organization	J-3 Water Tariff System		J-4 Water Tariff Collection System		J-5 Role of organizations for repairing and replacement of facilities (including expense distribution)		K-1 Problems most concerned for improvement of living conditions of the village/community		K-2 Names of agricultural chemicals used in the area	Name, Specification and Quantity of Facility
					Tariff System	Tariff			RWSA	Operator (selected in J-1)	1st Priority	2nd Priority		
59	6	J-06		State system	2: Commodity Charge	0.0251 Somoni/m3	1: Collector	2: Transferring			There is a problem with drinking water	There is a problem with electro-energy	not used	1. Sluice valve d 100 mm (2pcs) 2. Pit d 1.0 m (2sets) 3. Air valve d 50mm (1set) 4. Water tap d 15mm (10pcs) 5. Steel pipe d 20mm (100m) 6. Plastic pipe d 100mm (1km) 7. Plastic pipe d 50mm (400m) 8. Steel pipe d 114mm (40m) 9. Bitumen (0.1ton)
60	7	J-07		State system	2: Commodity Charge	0.0251 Somoni/m3	1: Collector				There are problems with drinking water.	There are problems with the electro-energy.	not used	1. Sluice valve d 100 mm (2pcs) 2. Sluice valve d 150 mm (2pcs) 3. Sluice valve d 200 mm (2pcs) 4. Air valve d 50 mm (2pcs) 5. Air valve d 15 mm (25pcs) 6. Water pump D 320/50 75 kw, 1500 c/m (2sets) 7. Water tank 50m3 (1set) 8. Steel pipe d100 mm (80m) 9. Steel pipe d 20 mm (200m) 10. Steel pipe d 150 mm (50m) 11. Steel pipe d 200 mm (300m) 12. Cement (8ton) 13. Gravel (16m3) 14. Bitumen (2ton) 15. Diesel fuel (3ton)
61	8	J-09	Vodokanal	State system	2: Commodity Charge	0.12 Somoni/m3	1: Collector	2: Transferring			There is a problem with the quality water	There is a problem with the electro tower	not used	1. Water gauge d 500 mm (1pc) 2. Pipe d 150 mm (300m) 3. Pipe d 100 mm (100m) 4. Sluice valve d 150 mm (6pcs) 5. Sluice valve d 100 mm (4pcs) 6. Sluice valve d 219 mm (10pcs) 7. Sluice valve d 300 mm (2pcs) 8. Sluice valve d 500 mm (1pc) 9. valve d 15-20 mm (227pcs)
62	9	J-10	community of Galaba village	State system	2: Commodity Charge	0.12 Somoni/m3	1: Collector				There is problem with shortage of water		not used	1. Pipe d 100 mm (1.6km) 2. Sluice valve d 100 mm (2pcs) 3. Water tap d 15 mm (6pcs)
63	10	J-08		State system	2: Commodity Charge	0.0251 Somoni/m3	1: Collector				there is a problem with clean water	there is a problem with electric powers	not used	1. Sluice valve d 200 mm (2sets) 2. Air valve d 50 mm (2sets) 3. Pipe bend d 219 mm (8pcs) 4. Pit d 1,5m (2sets) 5. Ruberoid (1000m2) 6. Pipe d 219 mm (1.2km) 7. Bitumen (2ton) 8. Diesel fuel (2ton) 9. Engine oil (0.1ton) 10. Cement (1.6ton) 11. Gravel (3m3)
64	11	J-11	Vodokanal	Jamoat Dzhilikul	2: Commodity Charge	0.0251 Somoni/m3	1: Collector						not used	1. Capron pipe d 150 mm (300m) (FRP?) 2. Sluice valve d 150 mm (2pcs)
65	12	J-12		Of the collective farm	2: Commodity Charge	0.12 Somoni/m3	1: Collector				problem with water	problem with Electric power	not used	1. Sluice valve d 100 mm (8pcs) 2. Sluice valve d 150 mm (6pcs) 3. Sluice valve d 200 mm (6pcs) 4. Air valve d 50 mm (6pcs) 5. Water tap d 15 mm (40pcs) 6. Pump 4 set - 12, 17 kw, 3000 c/m (3sets) 7. Vacuum pump ВВП (2sets) 8. Electronic part (4bldg) 9. Timber (4m3) 10. Pit 1,0 m (6sets) 11. Steel pipe d 20 mm (400m) 12. Steel pipe d 219 mm (600m) 13. Steel pipe d 159 mm (400m) 14. Steel pipe d 114 mm (200m) 15. Bitumen (1ton) 16. Cement (6ton) 17. Crushed stone (6m3) 18. Gravel (10m3) 19. Sand (6m3) 20. Lime (2.4ton) 21. Paint (60kg)

Water Supply System Data Base

Serial No.	File No.	WSS ID	Specify for Other	J-2 Component of Organization	J-3 Water Tariff System: Tariff System	J-3 Water Tariff System: Tariff	J-4 Water Tariff Collection System		J-5 Role of organizations for repairing and replacement of facilities (including expense distribution): RWSA	J-5: Operator (selected in J-1)	K-1 Problems most concerned for improvement of living conditions of the village/community: 1st Priority	K-1: 2nd Priority	K-2 Names of agricultural chemicals used in the area	Name, Specification and Quantity of Facility
66	13	J-13		State system	2: Commodity Charge	0.0251 Somoni/m3	1: Collector	2: Transferring			To improve the water supply system	It is necessary install new technology for disinfection of water for decreasa of sickness	not used	1. Sluice valve d 400 mm (2set) 2. Air valve d 100 mm (2set) 3. Pit 2X2 m (2set) 4. Pipe-bend d 400 mm (8pcs) 5. Diesel fuel (6ton) 6. Engine oil (0.3ton) 7. Izol (2400m2) 8. Cement (4ton) 9. Gravel (10m3) 10. Steel pipe d 425x9 mm (1.6km)
67	14	J-14	Public water to users village Comintern	Public	2: Commodity Charge	0.0251 Somoni/m3	1: Collector				To improve the water supply system	A problem with the electro exergy	not used	1. Cleaning bore holes (test tube by erlist method) (5pcs) 2. Pump ESV 8-40-125 (5pcs) 3. Install transformer KTP 250 Kwt (1pc) 4. Line of the electro transmissions 4 km AS-50 with CNThS (22pcs) 5. RLND (isolator) (1pc) 6. Pump (Centrifugal) Jip-k 85/45 (1pc) 7. Elektroceliser (1pc) 8. Chlorate (1kit) 9. Heavy repair existing transformer KTP 250/10 (1kit) 10. Steel pipe d 200mm (1.5km) 11. Steel pipe d 150mm (2.6km) 12. Pipe PVC d 100mm (4.5km 13. Water taps (160kits) 14. Sluice valve RU-10 d 200mm (8pcs) 15. Sluice valve RU-10 d 150mm (10pcs) 16. Sluice valve RU-10 d 100mm (22pcs) 17. Pit d 1.5m (20pcs) 18. Pit d 1.0m (10 19. Air valve d 25mm (10pcs) 20. Power cable APV 90/30 (160m) 21. Heavy repair of the building pump station (1bldg)
68	1	N-03		State system	2: Commodity Charge	0.0251 Somoni/m3	1: Collector				Required to install system of the disinfection for reduction number to diseases.	Required to mprove the system of the presenting of water.	not used	1. Sluice valve d 100 mm (2pcs) 2. Sluice valve d 80 mm (2pcs) 3. Air valve d 32 mm (2pcs) 4. Valve d 15 mm (16pcs) 5. Steel pipe d 20 mm (160m) 6. Steel pipe d 76 mm (30m) 7. Steel pipe d 114 mm (40m) 8. Steel pipe d 159 mm (2.6km) 9. Steel pipe d 50 mm (1.2km) 10. Cement (2ton) 11. soda fountains I/C (60pcs) 12. Hurlled nets (160m) 13. KTP 100-04 (1kit) 14. Bitumen (0.4ton) 15. Ruberoid (2600m2)
69	2	N-01		State system	2: Commodity Charge	0.0251 Somoni/m3	1: Collector	2: Transferring			Required to supply new technology and mechanism for exploitation of the systems		not used	1. Pump CNS 105-147 (3kits) 2. Pump ECV 10-120-80 (3kits) 3. Control panel (3kits) 4. Transformer KTP 160/10 (1kit) 5. Sluice valve d 200 mm and d 150 mm (20pcs) 6. Pipe d 159 mm (150m) 7. Pipe d 219 mm (120m) 8. Pipe d 273 mm (700m) 9. Polyethylene Pipe d 219 mm (10km) 10. Pit d 1.5 m (12kits) 11. Bitumen (2ton) 12. Cement (6ton) 13. Pipe d 20 mm (650m) 14. Lime (4ton) 15. Brick (12000pcs) 16. Paint-and-lacquer materials (0.4ton) 17. LET AC-35 mm, AC-50 mm (3km)
70	3	N-02		State system	2: Commodity Charge	0.0251 Somoni/m3	1: Collector	2: Transferring			Required to install system of the disinfection for reduction number to infectious diseases.		used against locust.	1. The tool for boring the bore hole (1kit) 2. Install new pillars d 273 mm (80m) 3. Deep pump (1kit) 4. Rack controling cabinet (1kit) 5. Deep cable AVP-8-125 (120m) 6. Transformation TM-100/10 (1kit) 7. LET- 10 Kilo Volt (800m) 8. Welding unit 220 volt (1pc) 9. Polyethylene pipe d 150 mm (3km)

Water Supply System Data Base

Serial No.	File No.	WSS ID	Specify for Other	J-2	J-3		J-4		J-5		K-1		K-2	
				Component of Organization	Water Tariff System		Water Tariff Collection System		Role of organizations for repairing and replacement of facilities (including expense distribution)		Problems most concerned for improvement of living conditions of the village/community		Names of agricultural chemicals used in the area	Name, Specification and Quantity of Facility
					Tariff System	Tariff			RWSA	Operator (selected in J-1)	1st Priority	2nd Priority		
71	1	P-15		State system	2: Commodity Charge	0.12 Somoni/m3	1: Collector				Necessary to install the system of the disinfection of water for reduction number to diseases.	Necessary to perfect the system of the presenting of water	not used	1. Sluice valve d 100мм (4pcs) 2. Sluice valve d 150мм (4pcs) 3. Air release valve d 50мм (2pcs) 4. Check valve d 100мм (2pcs) 5. Taps (20pcs) 6. Pump ECV 10-120-60 (1kit) 7. Electronic pointer-threaded type of the cascade (1bldg) 8. Pit (8kits) 9. Fence netlike water fence (1bldg) 10. Pipe steel d 20мм (0.3km) 11. Pipe polyethylene d 100mm (1km) 12. Pipe polyethylene d 150mm (0.6km)
72	2	P-05		State system	2: Commodity Charge	0.12 Somoni/m3	1: Collector				Necessary to avoid the drains beside pipes and perfect the system of the presenting of water.	Necessary to install the system of the disinfection of water for reduction number to diseases.	not used	1. Sluice valve d100mm (4kits) 2. Sluice valve d150mm (4kits) 3. Air valve d50mm (2kits) 4. Water tap (30kits) 5. Pipe steel d20mm (300m) 6. Pump ECV 8-40-125 (1kit) 7. Heavy repair of the branch water fence (1bldg) 8. Pipe polyethylene d100mm (2km) 9. Pipe polyethylene d150mm (1km)
73	3	P-02		State system	1: Flat Rate	2 Somoni/month	1: Collector				Necessary perfect system of the presenting of water	Necessary to install the system of the disinfection of water for reduction number to infectious diseases amongst consumers	not used	1. Sluice valve d80mm (2pcs) 2. Sluice valve d100mm (4pcs) 3. Sluice valve d150mm (4pcs) 4. Air release valve d50mm (2pcs) 5. ECV 8-40-125 (1kit) 6. Pipe d20mm (200m) 7. Rows water wire (300m) 8. Pipe polyethylene d100mm (1.2km) 9. Pipe polyethylene d150mm (1.6km)
74	4	P-06		Private	1: Flat Rate	2 Somoni/month	1: Collector				Necessary perfect system of the presenting of water		not used	1. Sluice valve d100 mm (8kits) 2. Sluice valve d150 mm (8kits) 3. Air valve d50 mm (4kits) 4. Pit d1,5m (10kits) 5. Water tap (60pcs) 6. Pump ECV 10-100-60 (3kits) 7. Heavy repair to pumping station (1bldg) 8. Pipe steel d20 mm (0.38km) 9. Pipe polyethylene d100 mm (3km) 10. Pipe polyethylene d150 mm (2.5km)
75	5	P-09		State system	1: Flat Rate	3 Somoni/month	1: Collector				Necessary will install the system of the disinfection for reduction number to infectious diseases.		not used	1. Sluice valve d 100mm (4kits) 2. Sluice valve d 150mm (4kits) 3. Air valve d 50mm (2kits) 4. Check valve d 100mm (2kits) 5. Pipe steel d 20mm (200m) 6. Water tap d 20mm (30pcs) 7. Pipe PVH d 100mm (2km) 8. Pipe PVH d 114mm (2km) 9. Pipe PVP d 150mm (1km) 10. Pit in kit d 1.5m (4pcs) 11. Heavy repair to pumping station (1bldg)
78	6	P-03		State system	2: Commodity Charge	0.12 Somoni/m3	1: Collector				Necessary to install the system of the disinfection of water for reduction number to diseases.		not used	1. Sluice valve d100 mm (6kits) 2. Sluice valve d150 mm (6kits) 3. Pit d 1,5m (6kits) 4. ECV 8-40-125 (1kit) 5. Pipe d20mm (300m) 6. Water tap (40kits) 7. Pipe polyethylene d100 mm (2km) 8. Pipe polyethylene d150 mm (1.2km) 9. Heavy repair water fence (1bldg)

Water Supply System Data Base

Serial No.	File No.	WSS ID	Specify for Other	J-2 Component of Organization	J-3 Water Tariff System: Tariff System	J-3 Water Tariff System: Tariff	J-4 Water Tariff Collection System		J-5 Role of organizations for repairing and replacement of facilities (including expense distribution): RWSA	J-5 Role of organizations for repairing and replacement of facilities (including expense distribution): Operator (selected in J-1)	K-1 Problems most concerned for improvement of living conditions of the village/community: 1st Priority	K-1 Problems most concerned for improvement of living conditions of the village/community: 2nd Priority	K-2 Names of agricultural chemicals used in the area	Name, Specification and Quantity of Facility
77	7	P-04	Vodokanal GUP "KhMK"	State system	2: Commodity Charge	0.12 Somoni/m3	1: Collector	2: Transferring			Necessary to fix the assotiation water users which could perfect the system of the presenting of water.		not used	1. Sluice valve d100mm (15pcs) 2. Sluice valve d150mm (27pcs) 3. Check valve (12pcs) 4. Water tap (250pcs) 5. Pit d 1.0-1.5 m (12kits) 6. Pump ECV 10-120-60 (6kits) 7. Repair to Pumping station (1bldg) 8. Construction site to administrative building (1bldg) 9. Pipe steel d15-20 mm (2.5km) 10. Pipe steel d76mm (5km) 11. Pipe steel d100mm (5km) 12. Pipe steel d150mm (7km)
78	8	P-07		State system	1: Flat Rate	2 Somoni/month	1: Collector							1. Sluice valve d100 mm (2kits) 2. Sluice valve d150mm (4kits) 3. Pit d1,0m (2kits) 4. Pit d1,5m (4kits) 5. Water tap (20kits) 6. Pipe steel d20mm (150m) 7. Pump ECV 10-120-60 (1kit) 8. Pipe PVP d100mm (2km) 9. Pipe steel d159mm (0.6km)
79	9	P-08		State system	2: Commodity Charge	0.0251 Somoni/m3	1: Collector				Necessary to conduct the rehabilitation to pumping station for the sake of improvements of the presenting of water consumer		not used	1. Sluice valve d 100 mm (4kits) 2. Sluice valve d 150 mm (8kits) 3. Sluice valve d 200 mm (4kits) 4. Check valve d 100 mm (2kits) 5. Check valve d 200 mm (2kits) 6. Check valve d 150 mm (2kits) 7. Water tap (40kits) 8. Pit d 1.5 m (12kits) 9. Pump CNS 105-490 (2kits) 10. Pump ECV 10-120-8 (2kits) 11. KTP 400/10 (1kit) 12. Electric motor 160kw, 1000 turn/min (1kit) 13. Pipe steel d 20 mm (0.4km) 14. Pipe steel d 114 mm (3.4km) 15. Pipe steel d 159 mm (0.6km) 16. Pipe steel d 273 mm (2km) 17. Pipe steel d 219 mm (0.8km)
80	10	P-10		State system	2: Commodity Charge	0.0251 Somoni/m3	1: Collector						not used	1. SLuce valve d 150mm (4kits) 2. SLuce valve d 200mm (8kit) 3. Valve d 50mm (10kits) 4. Pit d 1.5m (4kits) 5. Pit d 2.0m (1kit) 6. Pump MGR-9 25m3, 160kw ,1000 turn/min (2kits) 7. Pump CNS 105-294 (4kits) 8. Восстановление административного здания с огражденном водозаборе (1bldg) 9. Капитальный ремонт насосной станции 2-го и 3-го подъема (2bldgs) 10. Pipe steel d 50 mm (120m) 11. Pipe steel d 159 mm (3.4km) 12. Pipe steel d 219 mm (2km) 13. Pipe steel d 273 mm (3km) 14. Izol (1000m2) 15. Cement (3ton)
81	11	P-13		State system	2: Commodity Charge	0.0251 Somoni/m3	1: Collector				Necessary to install the system a disinfection for reduction number to diseases		not used	1. Sluice valve d100mm (12pcs) 2. Sluice valve d150mm (8pcs) 3. Air release valve d50mm (2pcs) 4. Pit d1,0m (12kits) 5. Water tap (40kits) 6. Pipes steel d20mm (0.4km) 7. Pipe Polyethylene d100mm (2km) 8. Pipes Polyethylene d150mm (4km) 9. Heavy repair water fence (1bldg)

Water Supply System Data Base

Serial No.	File No.	WSS ID	Specify for Other	J-2 Component of Organization	J-3 Water Tariff System: Tariff System	J-3 Water Tariff System: Tariff	J-4 Water Tariff Collection System		J-5 Role of organizations for repairing and replacement of facilities (including expense distribution): RWSA	J-5 Role of organizations for repairing and replacement of facilities (including expense distribution): Operator (selected in J-1)	K-1 Problems most concerned for improvement of living conditions of the village/community: 1st Priority	K-1 Problems most concerned for improvement of living conditions of the village/community: 2nd Priority	K-2 Names of agricultural chemicals used in the area	Name, Specification and Quantity of Facility
82	12	P-16		State system	1: Flat Rate	3 Somoni/month	1: Collector				Necessary to install the system a disinfection water for reduction number to infectious diseases.		not used	1. Sluice valve d100 mm (6pcs) 2. Sluice valve d150mm (4pcs) 3. Air release valve d50 mm (2kits) 4. Water tap (20kits) 5. Check valve d100mm (2kits) 6. Pump ECV 8-40-125 (1kit) 7. Heavy repair water fence (1bldg) 8. Pipe steel d20mm (0.2km) 9. Pipe d100mm (0.6km) 10. Pipe d150mm (0.6km)
83	13	P-11		State system	2: Commodity Charge	0.12 Somoni/m3	1: Collector				Necessary to install the system of the disinfection water number for the sake of reduction to diseases		not used	1. Bolt d80mm (2kits) 2. Bolt d100mm (2kits) 3. Well d 1,5m (3kits) 4. Water wire rows (20kits) 5. Pump ECV 8-40-125 (1kit) 6. KTP 100/10 (1kit) 7. Pipe steel d20mm (200m) 8. Fence and repair water fence (1bldg)
84	14	P-01		State system	2: Commodity Charge	0.12 Somoni/m3	1: Collector				Necessary to install system of the disinfection of water for reduction number to infectious diseases amongst consumers		not used	1. Bolts d100mm (4kits) 2. Bolts d150mm (4kits) 3. Air release valve d50mm (2kits) 4. Pit d1,5m (4kits) 5. Checking valve (40pcs) 6. Pipe cl. d20mm (300m) 7. Pump ECV 8-40-125 (2kits) 8. Pipe Polyethylene d100mm (2km) 9. Pipe Polyethylene d150mm (2.5km)
85	15	P-14		State system	1: Flat Rate	2 Somoni/month	1: Collector				It is Necessary to install the system of the disinfection for reduction number to diseases.	Perfect the system of the presenting of water.	not used	1. Sluice valve d100 mm (4kits) 2. Air release valve d50 mm (1kit) 3. Water rows (20pcs) 4. Well d1,0m (6kits) 5. Pump ECV 8-40-125 (1kit) 6. Heavy repair to pumping station (1bldg) 7. Pipes polyethylene d100 mm (0.6km) 8. Pipes polyethylene d 150 mm (0.4km)
86	16	P-12		State system	1: Flat Rate	2 Somoni/month	1: Collector				Necessary to install the system of the disinfection of water for reduction number to diseases.		not used	1. Fences netlike water fence (0.5ha) 2. ECV 10-120-60 (1kit) 3. Sluice valve d100mm (2kits) 4. Sluice valve d150mm (4kits) 5. Check valve d 100 mm (2kits) 6. Water tap (30kits) 7. Pipe steel d20mm (300m) 8. Pipe d114mm (180m) 9. Pipe polyethylene d 100 mm (2km) 10. Pipe polyethylene d 150 mm (1km) 11. Transformer 100/04 (1pc) 12. Will Build chlorate and buildings for duty personnel (2bldgs)
87	1	Q-01	Vodokanal Kumsangir	State system	2: Commodity Charge	0.12 Somoni/m3	1: Collector	2: Transferring			It is necessary rehabilitation of pump station	It is necessary install new technology for disinfection of water	not used	1. Water pump D320/50 with electric engine 75 kvt, 1500 o/m (4sets) 2. Steel pipe d 76 mm (4.6km) 3. Steel pipe d 100 mm (2.8km) 4. Steel pipe d 50 mm (5.7km) 5. Steel pipe d 32 mm 3.8km) 6. Sluice valve d 150mm (8pcs) 7. Sluice valve d 100mm (12pcs) 8. Sluice valve d 50mm (25pcs) 9. Sluice valve d 32mm (40pcs) 10. Pit d.1.5 m (12pcs) 11. Pit d.1.0 m (15pcs)
88	2	Q-02	Kumsangir RWWS	State system	2: Commodity Charge	0.0251 Somoni/m3	1: Collector	2: Transferring			The lack of clean drinking water	There is a problem with electro-energy	not used	1. Sluice valve d 100mm (2pcs) 2. Air valve d 50mm (1pcs) 3. Water tap d 15mm (26pcs) 4. Steel pipe. d 20mm (200m) 5. Pit (2sets) 6. Steel pipe. d 114mm (600m) 7. Plastic pipe d 100mm (2km) 8. Bitumen (0.5ton) 9. Cement (0.5ton) 10. Pump к-4/12 d17kvt 2,900об/m (1set) 11. Shelter for the pump with fence (1set) 12. Electrical part (1set)

Water Supply System Data Base

				J-2	J-3		J-4		J-5		K-1		K-2	
Serial No.	File No.	WSS ID	Specify for Other	Component of Organization	Water Tariff System		Water Tariff Collection System		Role of organizations for repairing and replacement of facilities (including expense distribution)		Problems most concerned for improvement of living conditions of the village/community		Names of agricultural chemicals used in the area	Name, Specification and Quantity of Facility
					Tariff System	Tariff			RWSA	Operator (selected in J-1)	1st Priority	2nd Priority		
89	3	Q-06	Kumsangir « RWWS»	State system	2: Commodity Charge	0.0251 Somoni/m3	1: Collector	2: Transferring					not used	1. Sluice valve dia 80 mm (8pcs) 2. Sluice valve dia100 mm (4pcs) 3. Air valve d 50 mm (2pcs) 4. Tap d 15 mm (40pcs) 5. Well d 1,0 m (10sets) 6. Cement (1.0ton) 7. Bitumen (0.5ton) 8. Steel pipe d 20 mm (300m) 9. Steel pipe d 76 mm (0.8km) 10. Steel pipe d 114 mm (0.4km) 11. PVC pipe d 100mm (2.0km) 12. PVC pipe d 76 mm (1.0km)
90	4	Q-03	Kumsangir « RWWS»	State system	2: Commodity Charge	0.0251 Somoni/m3	1: Collector						not used	1. Sluice valve d.80 mm (4pcs) 2. Sluice valve d.100 mm (4pcs) 3. Water tap d. 15 mm (4pcs) 4. Pit d 1.0m (30pcs) 5. Steel pipe. d. 20mm (150m) 6. Steel pipe d.76mm (100m) 7. PVC pipe d. 100mm (2km) 8. Steel pipe d. 100mm (120m)
91	5	Q-07	Kumsangir « RWWS»	State system	2: Commodity Charge	0.0251 Somoni/m3	1: Collector				It is necessary to establish system of disinfecting for reduction of quantity of disease	It is necessary to improve system of water delivery	not used	1. Sluice valve d 100mm (2pcs) 2. Air valve d 50mm (2pcs) 3. Water tap d 15mm (24pcs) 4. Steel pipe d .20mm (180m) 5. Steel pipe d 114mm (400m) 6. PVC pipe d 100mm (2000m) 7. Pit (2pcs) 8. Cement (1.0ton) 9. Bitumen (0.5ton) 10. Shelter for the pump (1 bldg) 11. Electrical part (1bldg) 12. Type of pump 4k-12, 17kvt 2,900 turn/min
92	6	Q-08	Vodokanal	Kumsangir Vodokanal	2: Commodity Charge	0.0251 Somoni/m3	1: Collector				Shortage of water	Problem with electric power	not used	1. Water pump 12НДВ 250 kw 1000c/m (3sets) 2. Major repairs pump station building (1bldg) 3. Electrical part (1bldg) 4. Water pump 8 НДВ110 kw (1set) 5. Sluice valve d 400mm (8pcs) 6. Sluice valve d 300mm (8pcs) 7. Sluice valve d 250mm (8pcs) 8. Sluice valve d 100mm (12pcs) 9. Sluice valve d 50mm (8pcs) 10. Check valve d 300mm (8pcs) 11. Water pump 10 НДВ 200 kw (2sets) 12. To replace completely electrical part on pump station No.1 & No.2 (2bldgs) 13. Major repairs of engine-rooms building No.1 & No.2 (2bldgs) 14. Vacuum pump 11 kw ВВН (1set) 15. Water tap (80pcs) 16. КТП 400/10 (1kit) 17. КТП 630/10 (1kit) 18. Steel pipe d 273 mm (4.5km) 19. Steel pipe d 426 mm (2km) 20. Steel pipe d 20 mm (0.9km) 21. PVC pipe d 110 mm (6km) 22. To cleaning collector from 8th-village to geranium factory (9km)
93	7	Q-04		Of the collective farm	2: Commodity Charge	0.0251 Somoni/m3	1: Collector				It is necessary to establish system of disinfecting for reduction of quantity of disease	It is necessary to improve system of water delivery	not used	1. Sluice valve d 150 mm (8pcs) 2. Sluice valve d 200 mm (12pcs) 3. Type of pump 320/50, с эд 75квт, 1500об/мин (3sets) 4. Vacuum pump VVN (2sets) 5. Well d 1,5m (22sets) 6. Taps (88pcs) 7. Steel pipe d 20mm (900m) 8. Steel pipe d 114mm (100m) 9. Steel pipe d 168mm (240m) 10. Steel pipe d 219mm (500m) 11. Steel pipe d 325 (400m) 12. Bolts, nuts и метизы (0.3ton) 13. Capital repair of waterworks pump station, duty workers and t.d. (6rooms)

Water Supply System Data Base

Serial No.	File No.	WSS ID	Specify for Other	J-2 Component of Organization	J-3 Water Tariff System: Tariff System	J-3 Water Tariff System: Tariff	J-4 Water Tariff Collection System		J-5 Role of organizations for repairing and replacement of facilities (including expense distribution): RWSA	J-5 Role of organizations for repairing and replacement of facilities (including expense distribution): Operator (selected in J-1)	K-1 Problems most concerned for improvement of living conditions of the village/community: 1st Priority	K-1 Problems most concerned for improvement of living conditions of the village/community: 2nd Priority	K-2 Names of agricultural chemicals used in the area	Name, Specification and Quantity of Facility
94	8	Q-05	Kumsangir RWWS	State system	2: Commodity Charge	0.0251 Somoni/m3	1: Collector	2: Transferring			Lack of water	The problem with electro-energy.	not used	1. Sluice valve d 100 mm (4pcs) 2. Sluice valve d 150 mm (4pcs) 3. Sluice valve d 200 mm (6pcs) 4. Spares d100 mm., d150 mm., d 200 mm (1set) 5. Pit d 1,5 m (10sets) 6. Water tap d 15 mm (40pcs) 7. Steel pipe d 20 mm (400m) 8. Steel pipe d 100 mm (1km) 9. Steel pipe d 150 mm (1km) 10. Steel pipe d 219 mm (1km) 11. Cement (10ton) 12. Bitumen (6ton) 13. Diesel fuel (6ton) 14. Lime (3ton) 15. Steel plate 3 мл (1ton) 16. Transformer 400 kvt in set with KTP (1set) 17. Rotary pump d 320150 1,500sp/m 75 kvt (3sets) 18. Supports CHBC 11 m (20pcs) 19. Aluminum cable AC70 (3km)
95	1	S-03		State system	2: Commodity Charge	0.12 Somoni/m3	1: Collector				Required to fix the system of the disinfection of water for reduction number to infectious diseases amongst populations.		not used	1. Pump ECV 8-16-110 (2kits) 2. Pipes d 76mm (40m) 3. Pipes polyethylene d 110mm (3.5km) 4. Closet of management (1pc) 5. Device for disinfection Q=25m3 (1pcs)
96	2	S-07	GUP "KhMK"	State system	2: Commodity Charge	0.12 Somoni/m3	1: Collector	2: Transferring			Necessary to conduct the heavy repair on pumping station		not used	1. Pump ECV 10-120-60 (3kits) 2. Electric motor 75 kw 3000 turn/minutes (3pcs) 3. Sluice valve d 250mm (4pcs) 4. Sluice valve d 150mm (8pcs) 5. Sluice valve d 100mm (12pcs) 6. Checking valve d 150mm (4pcs) 7. Pipe d 200mm (2.5km) 8. Pipe d 150mm (3.2km) 9. Pipe d 100mm (4km) 10. Transformer 400/10 (1kit)
97	3	S-02		State system	2: Commodity Charge	0.12 Somoni/m3	1: Collector				Necessary to instal lsystem of the disinfection or reduction number to diseases		not used	1. Pump ECV 8-40-110 (1kit) 2. Closet of governing the type kaskad-32 (1pc) 3. Pipe steel. d 89mm (400m) 4. Pipe steel. d 100mm (600m) 5. Welding unit (1 kit) 6. Air release valve d 25mm (4pcs)
98	4	S-04		State system	2: Commodity Charge	0.12 Somoni/m3	1: Collector						not used	1. Pump ECV 8-40-125 (2kits) 2. Sluice valve d 150mm (4pcs) 3. Sluice valve d 100mm (12pcs) 4. Pipe steel d 100mm (2.5km) 5. Pipe steel d 76mm (1km) 6. Welding unit (1pc)
99	5	S-09		State system	2: Commodity Charge	0.12 Somoni/m3	1: Collector				Installing the system of the disinfection for reduction number to infectious diseases.	Required to perfect the system of the presenting of water.	not used	1. Sluice valve d 100mm (8pcs) 2. Sluice valve d 150mm (4pcs) 3. Sluice valve d 200m (2pcs) 4. Pump ECV 8-16-125 (2kits) 5. Pipe steel d 200mm (2.2km) 6. Pipe steel d 150mm (1.5km) 7. Pipe steel d 100mm (1.5km) 8. Pipe steel d 50mm (1km)
100	6	S-05		State system	2: Commodity Charge	0.12 Somoni/m3	1: Collector				Required to make repair on building of the pumping station.	It is Necessary to fix system of the disinfection for the sake of reduction number to infectious diseases amongst consumers (users).	Against locust.	1. Depth pump. ECV 60-63-65 (2pcs) 2. Depth cable AVP 35x16 (180m) 3. Control pan type Caskad-45 (2pcs) 4. Steel pipe d 200 mm (0.4km) 5. Polyethylene pipe d 76-100 mm (3.5km) 6. Welding unit 220 volt (1pcs) 7. Diesel generator. 5-10kw (1pc)
101	7	S-08		State system	2: Commodity Charge	0.12 Somoni/m3	1: Collector				Improve presenting of water system		not used	1. Pump ECV 8-25-125 (1pc) 2. Steel pipe d 89 mm (50m) 3. Steel pipe d 200 mm (3km) 4. Steel pipe d 150 mm (2km) 5. Steel pipe d 100 mm (2km) 6. Steel pipe d 50 mm (1.5km)

Water Supply System Data Base

Serial No.	File No.	WSS ID	Specify for Other	J-2 Component of Organization	J-3 Water Tariff System: Tariff System	J-3 Water Tariff System: Tariff	J-4 Water Tariff Collection System		J-5 Role of organizations for repairing and replacement of facilities (including expense distribution): RWSA	J-5 Role of organizations for repairing and replacement of facilities (including expense distribution): Operator (selected in J-1)	K-1 Problems most concerned for improvement of living conditions of the village/community: 1st Priority	K-1 Problems most concerned for improvement of living conditions of the village/community: 2nd Priority	K-2 Names of agricultural chemicals used in the area	Name, Specification and Quantity of Facility
102	8	S-10		State system	2: Commodity Charge	0.12 Somoni/m3	1: Collector				Necessary to install system of the disinfection or reduction number to diseases		not used	1. Rope tool UGP-80 will Knocked (1kit) 2. Power tractor (1pc) 3. Pump ECV 8-25-110 (1kit) 4. Water rows d 89mm (45pc) 5. Steel pipes d 200mm (4km) 6. Polyethylene pipes d 50-100mm (500m)
103	9	S-01		State system	2: Commodity Charge	0.12 Somoni/m3	1: Collector	2: Transferring			Necessary to fix the system of the disinfection for reduction number to infectious diseases.		not used	1. Transformer TM 160/10 04 (1pc) 2. Pump ECV 8-25-110 with cable for installing (2kits) 3. Control panel Kaskad-35 (1pc) 4. Pipe steel d 150 mm (3.5km) 5. Pipe steel d 50 mm ((3.5km) 6. Welding unit on 220 volt (1pc) 7. Generator Diesel (1pc)
104	10	S-06	GUP "KhMK"	State system	2: Commodity Charge	0.12 Somoni/m3	1: Collector	2: Transferring			Necessary to avoid drains and install on all water point water measured counters	Necessary to install system of the disinfection of water for reduction number to diseases	not used	1. Sluice valve d 400mm (4pcs) 2. Sluice valvet d 200mm (10 kits) 3. Sluice valve d 150mm (12kits) 4. Water taps d 20mm (320pcs) 5. Pipe steel d 20mm (600m) 6. Pipe steel d 426mm (1450m) 7. Pipe steel d 219mm (250m) 8. Pipe PVP d 150mm (3km) 9. Pipe PVP d 100mm (6km) 10. Pump ECV 10-120-60 (3kits) 11. Heavy repair водозабора (1bldg)
105	1	V-01		State system	2: Commodity Charge	0.0251 Somoni/m3	1: Collector				Infectious disease increased In lack of drinking water last years amongst population	Different infectious disease especial will decrease In the event of provision of drinking water amongst and children	not used	1. Steel pipe d 160mm (900m) 2. Steel pipe d 200 mm (200m) 3. Steel pipe d 100 mm (1.1km) 4. Water meter d 20 mm (32pcs) 5. Sluice valve d 150 mm (4pcs) 6. Sluice valve d 100 mm (6pcs)
106	2	V-05		State system	2: Commodity Charge	0.12 Somoni/m3	1: Collector				Drinking water acquires at the end village because of wear-out of the pump power equipment and partial change pressure pipe.	Will Reduce amongst population to infectious diseases.	not used	1. Pumps k-45/60 (2kits) 2. Electric motor 37kwt (2kits)
107	3	V-02		State system	2: Commodity Charge	0.0251 Somoni/m3	1: Collector				After repair of the reconstruction work (job; functioning (working);functioning) населенье are provided (ensured; supplied) economic drinking water, and will decrease the infectious diseases		not used	1. Pump k-45/66 with electric motor (3kits) 2. The Closet(Rack cabinet) management (governing; control) pumping unit(set). (3kits) 3. Pump D 320/50 (2kits)
108	4	V-03		State system	2: Commodity Charge	0.12 Somoni/m3	1: Collector				The Repair pipe line.	Produce working organization In jamoat.	not used	1. Pipe steel d 200 mm (200m) 2. Pipe steel d 150 mm (1km) 3. Pipe steel d 100 mm (1.5km) 4. Sluice valve d 200 mm (4pcs) 5. Sluice valve d 150 mm (6pcs) 6. Sluice valve d 100 mm (8pcs) 7. Pump K 85/45 with electro motor 55kvt, 3000turn/min (3kits)
109	5	V-04	Jamoat	State system	2: Commodity Charge	0.0251 Somoni/m3	1: Collector	2: Transferring			It is Necessary to restore pipe divorcing networks and will provide the population by clean drinking water.	Will Reduce the infectious disease amongst population, basically amongst children, that at the last years has enlarged their ruin.	not used	1. Closet control pumping unit(set) (2kits) 2. Pumps with electric motors D 200, 1500 turn/minutes and K 45/66 (2kits) 3. System disinfection Porcelain bath (3kits) 4. Introductory box (1kit)
110	6	V-06		State system	2: Commodity Charge	0.0251 Somoni/m3	1: Collector				After recovering population will are provided by clean drinking water	Will Reduce infectious diseases amongst population.	not used	1. Sluice valve d 100 mm (8pcs) 2. Air valve d 32 mm (4pcs) 3. Water taps d 20 mm (28kits) 4. Steel pipe d 150 mm (0.9km)
111	7	V-07	Jamoat	State system	2: Commodity Charge	0.0251 Somoni/m3	1: Collector				Required perfect system of the disinfection(decontamination) to reduce the number to diseases of the ambience population.	The problem with the electro-energy	not used	1. Sluice valve d 100 mm (6pcs) 2. Pipe PVC d 100 mm (2.1km)
112	8	V-08		State system	2: Commodity Charge	0.0251 Somoni/m3	1: Collector				Install the system of the disinfection of water.	Will Reduce the number to infectious diseases.	not used	1. Pump D 300/70 (3kits) 2. Electric motor 160/3000 (3kits) 3. Introductory closet(rack cabinet) (1pc) 4. Closet(Rack cabinet) of management pumping unit(set) (3pcs)
113	9	V-09		State system	2: Commodity Charge	0.0251 Somoni/m3	1: Collector	2: Transferring			In the event of reconstruction population PGT Vakhsh, Jamoat Rohi Lenin, Oqgaza and Yangiobod will be provided with ecological clean drinking water	Reduce amongst population to infectious diseases.	not used	1. Pump D-3200/28 S. Electric motor 160/738 (2pcs) 2. Closet management PEH (2pcs) 3. pipe d 530 mm (1.2km)

Water Supply System Data Base

Serial No.	File No.	WSS ID	Specify for Other	J-2	J-3		J-4		J-5		K-1		K-2	
				Component of Organization	Water Tariff System		Water Tariff Collection System		Role of organizations for repairing and replacement of facilities (including expense distribution)		Problems most concerned for improvement of living conditions of the village/community		Names of agricultural chemicals used in the area	Name, Specification and Quantity of Facility
					Tariff System	Tariff			RWSA	Operator (selected in J-1)	1st Priority	2nd Priority		
114	10	V-10		State system	2: Commodity Charge	0.0251 Somoni/m3	1: Collector	2: Transferring			Necessary to supply the population by clean drinking water.	Necessary to install the system of the disinfection of water for reduction number to diseases.	not used	1. Sluice valve d 150 mm (4pcs) 2. Sluice valve d 100 mm (8pcs) 3. Water taps (35kits)
115	11	V-12	Military base of Ministry on exceeding event	State system	2: Commodity Charge	0.0251 Somoni/m3	1: Collector	2: Transferring					not used	
116	12	V-14		State system	2: Commodity Charge	0.0251 Somoni/m3	1: Collector				Necessary to fix the assotiation water users which could perfect the system of the presenting of water.	A problem with the electro energy	not used	1. Sluice valve d100mm (7pcs) 2. Air valve d 25mm (2pcs) 3. Pit d 1.5m (2pcs) 4. Steel pipe d 100mm (0.6km) 5. Steel pipe d 200mm (0.3km) 6. Water taps d 15mm (12pcs) 7. System of the disinfection water (1kit)
117	13	V-13		State system	2: Commodity Charge	0.0251 Somoni/m3	1: Collector				Necessary to fix the assotiation water users which could perfect the system of the presenting of water	A problem with the electro energy	not used	1. System of the disinfection (1kit)
118	14	V-11		State system	2: Commodity Charge	0.0251 Somoni/m3	1: Collector				Necessary to fix the assotiation water users which could perfect the system of the presenting of water.	A problem with the electro energy	not used	1. Sluice valve d100mm (4pcs) 2. Air valve d 25mm (3pcs) 3. Pit d 1.5m (3kits) 4. Steel pipe d 100mm (0.4km) 5. Steel pipe d 20mm (0.3km) 6. Water taps d 15mm (32pcs) 7. System of the disinfection water (1kit)
119	15	V-15		State system	2: Commodity Charge	0.0251 Somoni/m3	1: Collector				Necessary to fix the assotiation water users which could perfect the system of the presenting of water.	A problem with the electro energy	not used	1. Sluice valve d 200mm (8pcs) 2. Sluice valve d 150mm (12pcs) 3. Sluice valve d 100mm (12pcs) 4. Pit d 1.5m (8kits) 5. Air valve d 25mm (10pcs) 6. Water taps d 20mm (210pcs) 7. Steel pipe d 20mm (0.7km) 8. Steel pipe d 160mm (1.2km) 9. Steel pipe d 110mm (2.4km) 10. Welding unit (1kit) 11. Transformer 400/10 (1kit) 12. System of the disinfection (1kit) 13. Tractor UMZ-L8 (1pc)