

Table 3-5.1

Irrigation Water Requirement for Typical Cropping Pattern in Zone - A

1. Intensive Area Type in Zone-A

Crops	Cropping Area	Unit: lit/sec/ha																								
		Jan.		Feb.		Mar.		Apr.		May		Jun.		Jul.		Aug.		Sep.		Oct.		Nov.		Dec.		
		Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	
Paddy	50.0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Potatoes	25.0%	0.051	0.088	0.140	0.136	0.050	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.012	0.032	0.140	
Early Potatoes - 1	25.0%	0.095	0.036	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.028	0.091	0.109	0.109	
Late Potatoes	25.0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Summer Vegetables (Total)	50.0%	0	0	0	0.032	0.166	0.253	0.271	0.087	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
S. Vegetables-1	25.0%	0	0	0	0	0	0	0.015	0.016	0.052	0.181	0.134	0	0	0	0	0	0	0	0	0	0	0	0	0	
S. Vegetables-2	25.0%	0	0	0	0	0	0	0.015	0.016	0.052	0.181	0.134	0	0	0	0	0	0	0	0	0	0	0	0	0	
Winter Vegetables (Total)	100.0%	0.043	0.062	0.142	0.257	0.319	0.253	0.165	0.050	0	0	0	0	0	0	0	0	0	0	0	0	0.063	0.243	0.278	0.200	
W. Vegetables-1	25.0%	0.022	0.056	0.110	0.153	0.135	0.048	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.008	0.020	0.153	
W. Vegetables-2	25.0%	0.003	0.007	0.032	0.104	0.184	0.205	0.165	0.050	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
W. Vegetables-3	25.0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
W. Vegetables-4	25.0%	0.019	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.063	0.160	0.146	0.082	0.024	
Total (lit/sec/ha)	275%	0.189	0.187	0.282	0.424	0.535	0.505	0.451	0.152	0.052	0.181	0.207	0.502	0.653	0.103	0.211	0.375	0.305	0.497	0.492	0.515	0.330	0.228	0.238	0.225	0.653
(mm/day)		1.63	1.61	2.44	3.66	4.62	4.36	3.90	1.32	0.45	1.56	1.79	4.34	5.64	0.89	1.82	3.24	2.64	4.30	4.25	4.45	2.85	1.97	2.06	1.95	5.64
mm		24.4	25.8	36.6	47.6	69.3	69.8	58.4	19.7	6.8	25.0	26.8	65.1	84.7	14.3	27.4	51.9	39.5	64.4	63.8	71.2	42.7	29.6	30.8	31.2	1.027
																										(Total)

2. Intensive - II Type

Crops	Cropping Area	Unit: lit/sec/ha																								
		Jan.		Feb.		Mar.		Apr.		May		Jun.		Jul.		Aug.		Sep.		Oct.		Nov.		Dec.		
		Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	
Paddy	50.0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Potatoes	25.0%	0.051	0.088	0.140	0.136	0.050	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.012	0.032	0.140	
Early Potatoes - 1	25.0%	0.095	0.036	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.028	0.091	0.109		
Late Potatoes	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Summer Vegetables (Total)	50.0%	0	0	0	0	0	0	0.015	0.016	0.052	0.181	0.134	0	0	0	0	0	0	0	0	0	0	0	0	0	
S. Vegetables-1	25.0%	0	0	0	0	0	0	0.015	0.016	0.052	0.181	0.134	0	0	0	0	0	0	0	0	0	0	0	0	0	
S. Vegetables-2	25.0%	0	0	0	0	0	0	0.015	0.016	0.052	0.181	0.134	0	0	0	0	0	0	0	0	0	0	0	0	0	
Winter Vegetables (Total)	100.0%	0.043	0.062	0.142	0.257	0.319	0.253	0.165	0.050	0	0	0	0	0	0	0	0	0	0	0	0	0.063	0.243	0.278	0.200	
W. Vegetables-1	25.0%	0.022	0.056	0.110	0.153	0.135	0.048	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.008	0.020	0.153	
W. Vegetables-2	25.0%	0.003	0.007	0.032	0.104	0.184	0.205	0.165	0.050	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
W. Vegetables-3	25.0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
W. Vegetables-4	25.0%	0.019	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.063	0.160	0.146	0.082	0.024	
Total (lit/sec/ha)	250%	0.189	0.187	0.282	0.392	0.535	0.505	0.451	0.152	0.066	0.181	0.207	0.502	0.653	0.103	0.211	0.375	0.305	0.497	0.492	0.515	0.330	0.228	0.238	0.225	0.653
(mm/day)		1.63	1.61	2.44	3.39	4.62	4.36	3.90	1.32	0.57	1.56	1.79	4.34	5.64	0.89	1.82	3.24	2.64	4.30	4.25	4.45	2.85	1.97	2.06	1.95	5.64
mm		24.4	25.8	36.6	44.1	64.1	64.3	53.3	19.7	8.5	25.0	26.8	65.1	84.7	14.3	27.4	51.9	39.5	64.4	63.8	71.2	42.7	29.6	30.8	31.2	921
																										(Total)

3. Intensive - III Type

Crops	Cropping Area	Unit: lit/sec/ha																								
		Jan.		Feb.		Mar.		Apr.		May		Jun.		Jul.		Aug.		Sep.		Oct.		Nov.		Dec.		
		Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	
Paddy	50.0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Potatoes	25.0%	0.051	0.088	0.140	0.136	0.050	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.012	0.032	0.140	
Early Potatoes - 1	25.0%	0.095	0.036	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.028	0.091	0.109		
Late Potatoes	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Summer Vegetables (Total)	50.0%	0	0	0	0	0	0	0.015	0.016	0.052	0.181	0.134	0	0	0	0	0	0	0	0	0	0	0	0	0	
S. Vegetables-1	25.0%	0	0	0	0	0	0	0.015	0.016	0.052	0.181	0.134	0	0	0	0	0	0	0	0	0	0	0	0	0	
S. Vegetables-2	25.0%	0	0	0	0	0	0	0.015	0.016	0.052	0.181	0.134	0	0	0	0	0	0	0	0	0	0	0	0	0	
Winter Vegetables (Total)	75.0%	0.040	0.056	0.110	0.153	0.135	0.048	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.063	0.243	0.278	0.200	
W. Vegetables-1	25.0%	0.022	0.056	0.110	0.153	0.135	0.048	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.008	0.020	0.153	
W. Vegetables-2	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
W. Vegetables-3	25.0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
W. Vegetables-4	25.0%	0.019	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.063	0.160	0.146	0.082	0.024	
Total (lit/sec/ha)	225%	0.186	0.180	0.250	0.289	0.484	0.448	0.401	0.132	0.066	0.181	0.207	0.502	0.653	0.103	0.211	0.375	0.305	0.497	0.492	0.515	0.330	0.228	0.238	0.225	0.653
(mm/day)		1.61	1.55	2.16	2.50	4.19	3.90	3.54	1.32	0.45	1.56	1.79	4.34	5.64	0.89	1.82	3.24	2.64	4.30	4.25	4.45	2.85	1.97	2.06	1.95	5.64
mm		24.1	24.9	32.5	32.4	63.9	66.6	51.9	19.7	8.5	25.0	26.8	65.1	84.7	14.3	27.4	51.9	39.5	64.4	63.8	71.2	42.7	29.6	30.8	31.2	823
																										(Total)

Unit: lit/sec/ha

Unit: lit/sec/ha

Table 3-5.1 (continued) Irrigation Water Requirement for Typical Cropping Pattern in Zone - A

2. Remote Area Type in Zone-A

Crops	Cropping Area	Jan.		Feb.		Mar.		Apr.		May		Jun		Jul.		Aug.		Sep.		Oct.		Nov.		Dec.		Max. Remarks
		Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	
		Unit : lit/sect/ha																								
Paddy	50.0%	0	0	0	0	0	0	0	0	0	0	0.073	0.302	0.653	0.103	0.211	0.375	0.305	0.497	0.429	0.272	0.052	0	0	0	0.653
Legume	25.0%	0.060	0.087	0.097	0.043	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.012	0.033	0.048	0.097
Potatoes	25.0%	0.051	0.088	0.140	0.136	0.050	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.012	0.032	0.140	
Early Potatoes - 2	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Summer Vegetables (Total)	50.0%	0	0	0	0	0	0	0	0.015	0.016	0.052	0.181	0.134	0	0	0	0	0	0	0	0	0	0	0	0	0.181
S. Vegetables-1	25.0%	0	0	0	0	0	0	0	0.015	0.016	0.052	0.181	0.134	0	0	0	0	0	0	0	0	0	0	0	0	0.181
S. Vegetables-2	25.0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.181
Winter Vegetables (Total)	50.0%	0.099	0.087	0.079	0.036	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.108	0.181	0.169	0.147	0.181
W. Vegetables-1	25.0%	0.019	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.083	0.132	0.117	0.103	0.132
W. Vegetables-4	25.0%	0.080	0.087	0.079	0.036	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.025	0.049	0.052	0.067	0.087
Total (lit/sect/ha)	200%	0.210	0.262	0.316	0.214	0.050	0	0.015	0.016	0.052	0.181	0.207	0.502	0.653	0.103	0.211	0.375	0.305	0.497	0.429	0.272	0.052	0	0	0	0.653
(mm/day)		1.81	2.27	2.73	1.85	0.43	0	0.13	0.14	0.45	1.56	1.79	4.34	5.64	0.89	1.82	3.24	2.64	4.30	3.71	3.28	2.01	1.57	1.86	1.96	5.64
mm		27.2	36.3	41.0	24.0	6.4	0	1.9	2.1	6.8	25.0	26.8	65.1	84.7	14.3	27.4	51.9	39.5	64.4	55.6	52.5	30.2	23.5	27.8	31.4	766 (Total)

Remote - II Type

Crops	Cropping Area	Jan.		Feb.		Mar.		Apr.		May		Jun		Jul.		Aug.		Sep.		Oct.		Nov.		Dec.		Max. Remarks
		Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	
		Unit : lit/sect/ha																								
Paddy	50.0%	0	0	0	0	0	0	0	0	0	0	0.073	0.302	0.653	0.103	0.211	0.375	0.305	0.497	0.429	0.272	0.052	0	0	0	0.653
Legume	25.0%	0.060	0.087	0.097	0.043	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.012	0.033	0.048	0.097
Potatoes	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Early Potatoes - 2	25.0%	0.100	0.102	0.048	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.025	0.081	0.102
Summer Vegetables (Total)	50.0%	0	0	0	0	0	0	0	0.015	0.016	0.052	0.181	0.134	0	0	0	0	0	0	0	0	0	0	0	0	0.181
S. Vegetables-1	25.0%	0	0	0	0	0	0	0	0.015	0.016	0.052	0.181	0.134	0	0	0	0	0	0	0	0	0	0	0	0	0.181
S. Vegetables-2	25.0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.181
Winter Vegetables (Total)	50.0%	0.099	0.087	0.079	0.036	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.108	0.181	0.169	0.147	0.181
W. Vegetables-1	25.0%	0.019	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.083	0.132	0.117	0.103	0.132
W. Vegetables-4	25.0%	0.080	0.087	0.079	0.036	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.025	0.049	0.052	0.067	0.087
Total (lit/sect/ha)	200%	0.259	0.276	0.224	0.078	0	0.015	0.016	0.052	0.181	0.207	0.502	0.653	0.103	0.211	0.375	0.305	0.497	0.429	0.272	0.052	0	0	0	0	0.653
(mm/day)		2.24	2.39	1.93	0.68	0	0.13	0.14	0.45	1.56	1.79	4.34	5.64	0.89	1.82	3.24	2.64	4.30	3.71	3.28	2.01	1.57	1.97	2.39	5.64	
mm		33.5	38.2	29.0	8.8	0	1.9	2.1	6.8	25.0	26.8	65.1	84.7	14.3	27.4	51.9	39.5	64.4	55.6	52.5	30.2	23.5	29.5	38.2	749 (Total)	

3. Present Cropping Pattern in Zone-A with a Conveyance Efficiency 80% after Rehabilitation

Crops	Cropping Area	Jan.		Feb.		Mar.		Apr.		May		Jun		Jul.		Aug.		Sep.		Oct.		Nov.		Dec.		Max. Remarks
		Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	
		Unit : lit/sect/ha																								
Paddy (Total)	95.0%	0	0	0	0	0	0	0	0	0	0	0.092	0.636	0.869	0.741	0.413	0.713	0.579	0.955	0.883	0.770	0.391	0.052	0	0	0.955
Paddy	63.9%	0	0	0	0	0	0	0	0	0	0	0.092	0.636	0.827	0.131	0.267	0.475	0.386	0.630	0.544	0.344	0.065	0	0	0	0.827
Paddy (L)	31.7%	0	0	0	0	0	0	0	0	0	0	0	0	0.041	0.611	0.145	0.238	0.193	0.325	0.339	0.426	0.265	0.052	0	0	0.611
Wheat	69.0%	0.137	0.272	0.396	0.524	0.654	0.396	0.053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.032	0.086	0.654
Legume (L)	3.0%	0.004	0.008	0.014	0.015	0.006	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.001	0.003	0.015
Mustard	10.0%	0.027	0.037	0.049	0.022	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.009	0.015	0.049
Potatoes	13.0%	0.026	0.046	0.073	0.071	0.026	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.006	0.017	0.073
Maize	5.0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.001	0	0	0	0	0	0	0.001
Summer Vegetables	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Winter Vegetables	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total (lit/sect/ha)	195%	0.195	0.363	0.531	0.633	0.686	0.396	0.053	0	0	0	0.092	0.636	0.869	0.741	0.413	0.713	0.579	0.955	0.883	0.770	0.391	0.052	0.048	0.121	0.956
(mm/day)		1.68	3.14	4.59	5.47	5.93	3.43	0.46	0	0	0	0.80	5.50	7.51	6.40	3.56	6.16	5.01	8.26	7.63	6.65	2.86	0.45	0.42	1.05	8.26
mm		25.3	50.2	68.8	71.1	88.9	54.8	6.8	0	0	1.20	82.4	112.6	102.5	53.5	98.6	75.1	123.9	114.4	106.4	42.8	6.8	6.3	16.8	1.320 (Total)	

Table 3-5.2 (continued) Irrigation Water Requirement for Typical Cropping Pattern in Zone - B

2. Remote Area Type in Zone-B
Remote - I Type

Crops	Cropping Area	Unit : lit/Sec/ha																								Max. Remarks
		Jan.		Feb.		Mar.		Apr.		May		Jun.		Jul.		Aug.		Sep.		Oct.		Nov.		Dec.		
		Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	
Paddy	50.0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.653
Legume	25.0%	0.078	0.085	0.086	0.039	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.012	0.033	0.048	0	0	0.086
Potatoes	25.0%	0.069	0.086	0.127	0.124	0.047	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.012	0.032	0	0	0.127
Early Potatoes - 2	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Summer Vegetables (Total)	50.0%	0	0	0	0	0	0	0	0.018	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.147
S. Vegetables-1	25.0%	0	0	0	0	0	0	0	0.018	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.147
S. Vegetables-2	25.0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Winter Vegetables (Total)	50.0%	0.121	0.085	0.069	0.032	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.139	0.181	0.170	0.147	0.181	0.181
W. Vegetables-4	25.0%	0.023	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.101	0.132	0.117	0.103	0.132	0.132
W. Vegetables-5	25.0%	0.098	0.085	0.069	0.032	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.098	0.049	0.052	0.067	0.098	0.098
Total (lit/Sec/ha)	200%	0.268	0.257	0.282	0.196	0.047	0	0.018	0	0.043	0.147	0.068	0.502	0.653	0.103	0.125	0.147	0.270	0.414	0.431	0.433	0.233	0.182	0.215	0.227	0.653
(mm/day)		2.32	2.22	2.43	1.69	0.40	0	0.15	0	0.37	1.27	0.59	4.34	5.64	0.89	1.08	1.27	2.33	3.57	3.73	3.74	2.01	1.57	1.86	1.96	5.64
mm		34.8	35.5	36.5	22.0	6.0	0	2.3	0	5.5	20.3	8.8	65.1	84.7	14.3	16.2	20.4	34.9	53.6	55.9	59.9	30.2	23.5	27.8	31.4	690 (Total)

Remote - II Type

Crops	Cropping Area	Unit : lit/Sec/ha																								Max. Remarks	
		Jan.		Feb.		Mar.		Apr.		May		Jun.		Jul.		Aug.		Sep.		Oct.		Nov.		Dec.			
		Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late		
Paddy	50.0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.653	
Legume	25.0%	0.078	0.085	0.086	0.039	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.012	0.033	0.048	0	0.086	
Potatoes	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Early Potatoes - 2	25.0%	0.118	0.100	0.041	0	0	0	0	0.018	0	0.043	0.147	0	0	0	0	0	0	0	0	0	0	0.025	0.081	0.118	0.118	
Summer Vegetables (Total)	50.0%	0	0	0	0	0	0	0	0.018	0	0.043	0.147	0	0	0	0	0	0	0	0	0	0	0	0	0	0.147	
S. Vegetables-1	25.0%	0	0	0	0	0	0	0	0.018	0	0.043	0.147	0	0	0	0	0	0	0	0	0	0	0	0	0	0.147	
S. Vegetables-2	25.0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Winter Vegetables (Total)	50.0%	0.121	0.085	0.069	0.032	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.139	0.181	0.170	0.147	0.181	0.181	
W. Vegetables-4	25.0%	0.023	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.101	0.132	0.117	0.103	0.132	0.132	
W. Vegetables-5	25.0%	0.098	0.085	0.069	0.032	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.098	0.049	0.052	0.067	0.098	0.098	
Total (lit/Sec/ha)	200%	0.317	0.271	0.196	0.071	0	0.018	0	0.018	0	0.043	0.147	0.068	0.502	0.653	0.103	0.125	0.147	0.270	0.414	0.431	0.433	0.233	0.182	0.228	0.277	0.653
(mm/day)		2.74	2.34	1.69	0.61	0	0.15	0	0.15	0	0.37	1.27	0.59	4.34	5.64	0.89	1.08	1.27	2.33	3.57	3.73	3.74	2.01	1.57	1.97	2.39	5.64
mm		41.1	37.4	25.4	8.0	0	2.3	0	2.3	0	5.5	20.3	8.8	65.1	84.7	14.3	16.2	20.4	34.9	53.6	55.9	30.2	23.5	29.5	38.2	675 (Total)	

3. Present Cropping Pattern in Zone-B with a Conveyance Efficiency 80% after Rehabilitation

Crops	Cropping Area	Unit : lit/Sec/ha																								Max. Remarks	
		Jan.		Feb.		Mar.		Apr.		May		Jun.		Jul.		Aug.		Sep.		Oct.		Nov.		Dec.			
		Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late		
Paddy (Total)	93.0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.887	
Paddy	63.3%	0	0	0	0	0	0	0	0	0	0	0	0.086	0.869	0.869	0.741	0.295	0.280	0.512	0.796	0.887	0.818	0.331	0.052	0	0	
Paddy (L)	31.7%	0	0	0	0	0	0	0	0	0	0	0	0.086	0.636	0.827	0.131	0.159	0.187	0.342	0.524	0.546	0.373	0.065	0	0	0.827	
Wheat	69.0%	0.187	0.267	0.357	0.483	0.622	0.419	0.061	0	0	0	0	0	0	0.041	0.611	0.136	0.093	0.171	0.272	0.340	0.445	0.265	0.052	0	0.611	
Legume (L)	3.0%	0.006	0.007	0.012	0.014	0.006	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.032	0.086	
Mustard	10.0%	0.034	0.036	0.043	0.019	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.001	0.003	
Potatoes	13.0%	0.036	0.045	0.066	0.065	0.024	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.043	
Maize	5.0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.066	
Summer Vegetables	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Winter Vegetables	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total (lit/Sec/ha)	195%	0.263	0.356	0.478	0.582	0.653	0.419	0.061	0	0	0.086	0.636	0.869	0.741	0.295	0.280	0.512	0.796	0.887	0.818	0.887	0.818	0.331	0.052	0.048	0.121	0.887
(mm/day)		2.28	3.08	4.13	5.02	5.64	3.62	0.53	0	0	0.75	5.50	7.51	6.40	2.55	2.42	4.43	6.88	7.66	7.66	7.66	7.07	2.86	0.45	0.42	1.05	7.66
mm		34.1	49.2	62.0	65.3	84.6	58.0	7.9	0	0	11.2	82.4	112.6	102.5	38.2	38.7	66.4	103.2	114.9	113.1	114.9	42.8	6.8	6.3	16.8	1.217 (Total)	

Table 3-6.1 (1/3)

Irrigation Water Requirement in Zone - A (1/3)

Unit Type of Cropping Pattern Intensive Area Type in Zone-A	Jan. Early Late	Feb. Early Late	Mar. Early Late	Apr. Early Late	May Early Late	Jun. Early Late	Jul. Early Late	Aug.		Sep.		Oct.		Nov.		Dec	Max.	Remarks								
								Early	Late	Early	Late	Early	Late	Early	Late				Early	Late						
Intensive - I Type (275%)	0.189	0.187	0.282	0.424	0.505	0.505	0.451	0.152	0.052	0.181	0.207	0.502	0.103	0.211	0.375	0.305	0.497	0.492	0.515	0.330	0.228	0.238	0.225	0.653		
Intensive - II Type (250%)	0.189	0.187	0.282	0.392	0.369	0.253	0.180	0.066	0.052	0.181	0.207	0.502	0.103	0.211	0.375	0.305	0.497	0.492	0.515	0.330	0.228	0.238	0.225	0.653		
Intensive - III Type (225%)	0.186	0.180	0.250	0.289	0.184	0.048	0.015	0.016	0.052	0.181	0.207	0.502	0.103	0.211	0.375	0.305	0.497	0.492	0.515	0.330	0.228	0.238	0.225	0.653		
Remote Area Type in Zone-A	0.210	0.262	0.316	0.214	0.050	0	0.015	0.016	0.052	0.181	0.207	0.502	0.103	0.211	0.375	0.305	0.497	0.429	0.379	0.233	0.182	0.215	0.227	0.653		
Remote - I Type (200%)	0.259	0.276	0.224	0.078	0	0	0.015	0.016	0.052	0.181	0.207	0.502	0.103	0.211	0.375	0.305	0.497	0.429	0.379	0.233	0.182	0.228	0.277	0.653		
Remote - II Type (200%)																										
Name of Scheme: AB-10 Katunjje																										
Net Irrigation Area: 40 ha																										
Diversion Water Requirement in m ³ /sec																										
Intensive - III Type	0.004	0.004	0.005	0.006	0.004	0.001	0.000	0.000	0.001	0.004	0.004	0.010	0.013	0.002	0.004	0.008	0.006	0.010	0.010	0.010	0.010	0.007	0.005	0.005	0.013	
Remote - II Type	0.005	0.005	0.004	0.002	0	0	0.000	0.000	0.001	0.004	0.004	0.010	0.013	0.002	0.004	0.008	0.006	0.010	0.009	0.008	0.005	0.004	0.005	0.006	0.013	
Total in m ³ /sec for	0.009	0.009	0.009	0.007	0.004	0.001	0.001	0.001	0.002	0.007	0.008	0.020	0.026	0.004	0.008	0.015	0.012	0.020	0.018	0.018	0.011	0.008	0.009	0.010	0.026	
Average diversion requirement (lit/sec/ha)	0.222	0.228	0.237	0.184	0.092	0.024	0.015	0.016	0.052	0.181	0.207	0.502	0.103	0.211	0.375	0.305	0.497	0.461	0.447	0.281	0.205	0.233	0.251	0.653		
Monthly average requirement (m ³ /sec)	0.009	0.008	0.008	0.008	0.002	0.002	0.001	0.001	0.001	0.005	0.014	0.014	0.015	0.012	0.012	0.016	0.016	0.016	0.016	0.018	0.010	0.010	0.010	0.010	0.018	
Monthly requirement 1,000 m ³	24.1	20.5	20.5	6.1	1.6	1.6	1.6	1.6	1.6	12.7	36.8	39.6	31.7	31.7	41.6	41.6	41.6	41.6	48.6	25.2	25.2	25.2	25.2	26.0	314 in total	
Available Discharge																										
Mean Discharge (1963-1986)	0.016	0.011	0.009	0.009	0.016	0.022	0.022	0.022	0.022	0.045	0.045	0.131	0.131	0.224	0.224	0.157	0.157	0.157	0.056	0.040	0.040	0.040	0.029	0.029	0.029	
Deficit	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Ratio	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
80% Reliable Discharge	0.010	0.006	0.006	0.006	0.010	0.012	0.012	0.012	0.012	0.013	0.013	0.072	0.072	0.157	0.157	0.112	0.112	0.112	0.042	0.032	0.032	0.032	0.022	0.022	0.022	
Deficit	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Ratio	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Minimum Monthly Discharge	0.006	0.005	0.005	0.003	0.005	0.008	0.008	0.008	0.008	0.009	0.009	0.027	0.027	0.031	0.031	0.060	0.060	0.060	0.035	0.024	0.024	0.024	0.013	0.013	0.013	
Deficit	0.003	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	
Ratio	32.3%	46.5%	46.5%	46.5%	46.5%	46.5%	46.5%	46.5%	46.5%	46.5%	46.5%	46.5%	46.5%	46.5%	46.5%	46.5%	46.5%	46.5%	46.5%	46.5%	46.5%	46.5%	46.5%	46.5%	46.5%	
Name of Scheme: AB-14 Mahadev Khola																										
Net Irrigation Area: 112 ha																										
Diversion Water Requirement in m ³ /sec																										
Intensive - III Type	0.006	0.006	0.009	0.010	0.006	0.002	0.001	0.001	0.002	0.006	0.007	0.017	0.022	0.004	0.007	0.013	0.010	0.017	0.017	0.017	0.018	0.011	0.008	0.008	0.022	
Remote - II Type	0.020	0.022	0.017	0.006	0	0	0.001	0.001	0.004	0.014	0.016	0.039	0.051	0.008	0.016	0.029	0.024	0.039	0.033	0.030	0.018	0.014	0.018	0.022	0.051	
Total in m ³ /sec for	0.027	0.028	0.026	0.016	0.006	0.002	0.002	0.002	0.006	0.020	0.023	0.056	0.073	0.012	0.024	0.042	0.034	0.056	0.050	0.047	0.029	0.022	0.026	0.029	0.073	
Average diversion requirement (lit/sec/ha)	0.237	0.247	0.232	0.142	0.056	0.015	0.015	0.016	0.052	0.181	0.207	0.502	0.103	0.211	0.375	0.305	0.497	0.448	0.421	0.262	0.196	0.231	0.261	0.653		
Monthly average requirement (m ³ /sec)	0.027	0.027	0.021	0.004	0.004	0.004	0.002	0.002	0.002	0.013	0.040	0.042	0.042	0.033	0.033	0.045	0.045	0.045	0.049	0.026	0.026	0.026	0.028	0.049		
Monthly requirement 1,000 m ³	72.6	51.6	51.6	10.4	4.5	4.5	4.5	4.5	4.5	35.6	102.9	110.8	88.8	88.8	116.4	116.4	116.4	116.4	130.2	66.5	66.5	66.5	73.9	864 in total		
Available Discharge																										
Mean Discharge (1963-1986)	0.046	0.028	0.028	0.024	0.037	0.049	0.049	0.049	0.049	0.122	0.122	0.370	0.370	0.560	0.560	0.430	0.430	0.430	0.173	0.099	0.099	0.099	0.069	0.069	0.069	
Deficit	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Ratio	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
80% Reliable Discharge	0.031	0.014	0.014	0.009	0.023	0.027	0.027	0.027	0.027	0.036	0.036	0.241	0.241	0.409	0.409	0.328	0.328	0.328	0.127	0.079	0.079	0.079	0.052	0.052	0.052	
Deficit	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Ratio	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Minimum Monthly Discharge	0.018	0.009	0.009	0.006	0.012	0.017	0.017	0.017	0.017	0.019	0.019	0.069	0.069	0.093	0.093	0.196	0.196	0.196	0.094	0.061	0.061	0.061	0.032	0.032	0.032	
Deficit	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	
Ratio	31.7%	59.4%	59.4%	59.4%	59.4%	59.4%	59.4%	59.4%	59.4%	59.4%	59.4%	59.4%	59.4%	59.4%	59.4%	59.4%	59.4%	59.4%	59.4%	59.4%	59.4%	59.4%	59.4%	59.4%	59.4%	

Irrigation Water Requirement in Zone - A (2/3)

Unit/Diversion Requirement (lit/sec/ha) Type of Cropping Pattern (Intensity)	Jan		Feb		Mar		Apr		May		Jun		Jul		Aug		Sep		Oct		Nov		Dec		Max.	Remarks	
	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late			
	Intensive Area Type in Zone-A Intensive - I Type (275%) Intensive - II Type (250%) Intensive - III Type (225%)	0.189	0.187	0.282	0.424	0.595	0.505	0.451	0.152	0.052	0.181	0.207	0.502	0.653	0.103	0.211	0.375	0.305	0.497	0.492	0.492	0.515	0.350	0.228			0.238
Remote Area Type in Zone-A Remote - I Type (200%) Remote - II Type (200%)	0.259	0.276	0.224	0.078	0	0	0.015	0.016	0.052	0.181	0.207	0.502	0.653	0.103	0.211	0.375	0.305	0.497	0.429	0.429	0.379	0.253	0.182	0.215	0.227	0.653	

Name of Scheme : AL-10 Kotkhu

Net Irrigation Area : 246 ha		Diversion Water Requirement in m ³ /sec																										
Intensive - I Type	74 ha 30.1%	0.014	0.014	0.021	0.081	0.040	0.057	0.033	0.011	0.004	0.013	0.015	0.087	0.048	0.008	0.016	0.028	0.023	0.037	0.036	0.038	0.024	0.017	0.018	0.018	0.017	0.048	
Remote - I Type	172 ha 69.9%	0.036	0.045	0.054	0.037	0.009	0	0.003	0.003	0.009	0.031	0.036	0.086	0.112	0.018	0.096	0.065	0.052	0.086	0.074	0.065	0.040	0.091	0.057	0.059	0.059	0.112	
Total in m ³ /sec for	246 ha 100%	0.050	0.059	0.075	0.068	0.048	0.037	0.036	0.014	0.013	0.045	0.051	0.124	0.161	0.025	0.082	0.092	0.075	0.122	0.110	0.103	0.064	0.048	0.055	0.056	0.161		
Average diversion requirement (lit/sec/ha)		0.203	0.240	0.306	0.277	0.195	0.152	0.146	0.057	0.052	0.181	0.207	0.502	0.653	0.103	0.211	0.375	0.305	0.497	0.448	0.420	0.262	0.196	0.222	0.227	0.653		
Monthly average requirement (m ³ /sec)		0.054	0.072	0.072	0.043	0.025	0.029	0.087	0.093	0.093	0.087	0.087	0.087	0.093	0.093	0.093	0.093	0.099	0.099	0.099	0.107	0.056	0.055	0.055	0.107	0.107		
Monthly requirement	1,000 m ³	146.3	174.2	174.2	114.0	64.8	78.2	226.1	243.3	243.3	194.9	255.7	285.8	145.9	147.8	147.8	147.8	147.8	147.8	147.8	147.8	147.8	147.8	147.8	147.8	147.8		
Available Discharge		0.155	0.113	0.099	0.127	0.167	0.429	1.273	1.929	1.929	1.481	0.602	0.338	0.236														
Deficit	m ³ /sec	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Ratio	m ³ /sec	0.105	0.070	0.061	0.080	0.093	0.141	0.832	1.408	1.408	1.129	0.452	0.269	0.176														
80% Reliable Discharge	m ³ /sec	-	2.4%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Deficit	m ³ /sec	0.068	0.051	0.038	0.042	0.058	0.098	0.291	0.325	0.325	0.675	0.961	0.206	0.107														
Ratio	m ³ /sec	-	29.3%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Minimum Monthly Discharge	m ³ /sec	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Deficit	m ³ /sec	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Ratio	%	-	10.2%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Name of Scheme : AL-13 Lubhu

Net Irrigation Area : 130 ha		Diversion Water Requirement in m ³ /sec																										
Intensive - III Type	65 ha 50.0%	0.012	0.012	0.016	0.019	0.012	0.003	0.001	0.001	0.003	0.012	0.013	0.053	0.042	0.007	0.014	0.024	0.020	0.032	0.032	0.033	0.021	0.015	0.015	0.015	0.042		
Remote - II Type	65 ha 50.0%	0.017	0.018	0.015	0.005	0	0	0.001	0.001	0.003	0.012	0.013	0.033	0.042	0.007	0.014	0.024	0.020	0.032	0.028	0.025	0.015	0.012	0.015	0.018	0.042		
Total in m ³ /sec for	130 ha 100%	0.029	0.030	0.031	0.024	0.012	0.003	0.002	0.002	0.007	0.024	0.027	0.065	0.065	0.013	0.027	0.049	0.040	0.065	0.060	0.058	0.037	0.027	0.030	0.033	0.085		
Average diversion requirement (lit/sec/ha)		0.222	0.228	0.237	0.184	0.092	0.024	0.015	0.016	0.052	0.181	0.207	0.502	0.653	0.103	0.211	0.375	0.305	0.497	0.461	0.447	0.281	0.205	0.233	0.251	0.653		
Monthly average requirement (m ³ /sec)		0.029	0.029	0.027	0.008	0.002	0.008	0.027	0.027	0.027	0.046	0.046	0.046	0.046	0.049	0.038	0.038	0.038	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.059		
Monthly requirement	1,000 m ³	78.4	78.4	66.8	19.8	5.2	41.3	119.5	128.6	128.6	103.0	135.1	158.0	81.9	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3		
Available Discharge		0.055	0.044	0.038	0.041	0.053	0.149	0.496	0.633	0.633	0.500	0.224	0.111	0.076														
Deficit	m ³ /sec	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Ratio	m ³ /sec	0.040	0.027	0.023	0.026	0.030	0.054	0.296	0.469	0.469	0.389	0.175	0.089	0.057														
80% Reliable Discharge	m ³ /sec	-	1.3%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Deficit	m ³ /sec	0.026	0.019	0.014	0.014	0.018	0.038	0.098	0.113	0.113	0.125	0.246	0.139	0.085														
Ratio	%	-	10.2%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Minimum Monthly Discharge	m ³ /sec	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Deficit	m ³ /sec	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Ratio	%	-	18.4%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Table 3-6.1 (3/3) Irrigation Water Requirement in Zone - A (3/3)

Unit Diversion Requirement (lit/sec/ha) Type of Cropping Pattern (Intensity)	Jan.		Feb.		Mar.		Apr.		May		Jun.		Jul.		Aug.		Sep.		Oct.		Nov.		Dec.		Max.	Remarks		
	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late				
Intensive Area Type in Zone-A	0.189	0.187	0.282	0.424	0.535	0.505	0.451	0.152	0.052	0.181	0.207	0.502	0.658	0.103	0.211	0.375	0.305	0.497	0.492	0.515	0.492	0.515	0.330	0.228	0.238	0.225	0.653	
Intensive - I Type (275%)	0.189	0.187	0.282	0.392	0.369	0.253	0.180	0.066	0.052	0.181	0.207	0.502	0.653	0.103	0.211	0.375	0.305	0.497	0.492	0.515	0.492	0.515	0.330	0.228	0.238	0.225	0.653	
Intensive - II Type (250%)	0.186	0.180	0.250	0.289	0.184	0.048	0.015	0.016	0.052	0.181	0.207	0.502	0.653	0.103	0.211	0.375	0.305	0.497	0.492	0.515	0.492	0.515	0.330	0.228	0.238	0.225	0.653	
Intensive - III Type (225%)	0.210	0.262	0.316	0.214	0.050	0	0.015	0.016	0.052	0.181	0.207	0.502	0.653	0.103	0.211	0.375	0.305	0.497	0.429	0.379	0.429	0.379	0.233	0.182	0.215	0.227	0.653	
Remote Area Type in Zone-A	0.259	0.276	0.224	0.078	0	0	0.015	0.016	0.052	0.181	0.207	0.502	0.653	0.103	0.211	0.375	0.305	0.497	0.429	0.379	0.429	0.379	0.233	0.182	0.228	0.277	0.653	
Remote - I Type (200%)																												
Remote - II Type (200%)																												

Name of Scheme : AL-19 Thika Bhalraw (1)

Net Irrigation Area : 497 ha		Diversion Water Requirement in m ³ /sec																										
Intensive - I Type	149 ha 30.0%	0.028	0.028	0.042	0.063	0.080	0.075	0.067	0.023	0.008	0.027	0.031	0.075	0.097	0.015	0.051	0.056	0.045	0.074	0.073	0.077	0.077	0.049	0.094	0.085	0.084	0.097	
Remote - I Type	348 ha 70.0%	0.073	0.091	0.110	0.074	0.017	0	0.005	0.006	0.018	0.063	0.072	0.175	0.096	0.073	0.131	0.106	0.173	0.149	0.132	0.081	0.063	0.081	0.063	0.075	0.079	0.227	
Total in m ³ /sec	for 497 ha 100%	0.101	0.119	0.152	0.138	0.097	0.075	0.072	0.028	0.026	0.090	0.103	0.250	0.325	0.051	0.105	0.187	0.152	0.247	0.223	0.209	0.190	0.097	0.110	0.113	0.325		
Average diversion requirement (lit/sec/ha)		0.203	0.240	0.306	0.277	0.195	0.151	0.146	0.057	0.052	0.181	0.207	0.502	0.653	0.103	0.211	0.375	0.305	0.448	0.448	0.420	0.262	0.196	0.222	0.227	0.653		
Monthly average requirement (m ³ /sec)		0.110	0.145	0.086	0.050	0.176	0.058	0.188	0.199	0.199	0.199	0.146	0.146	0.188	0.188	0.146	0.146	0.199	0.199	0.199	0.216	0.216	0.114	0.114	0.111	0.216		
Monthly requirement	1,000 m ³	295.7	351.8	229.6	130.5	456.8	158.0	491.6	516.7	516.7	393.8	491.6	491.6	491.6	491.6	393.8	491.6	516.7	516.7	516.7	294.7	294.7	102.6	102.6	102.6	298.7	4,195 in total	
Available Discharge (1963-1986)	m ³ /sec	0.478	0.340	0.290	0.347	0.466	0.466	0.466	0.347	0.466	0.466	1.361	4.114	4.114	4.114	6.058	4.748	4.748	4.748	4.748	2.043	2.043	1.026	1.026	1.026	0.691		
Deficit Ratio	m ³ /sec %	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
80% Reliable Discharge	m ³ /sec	0.327	0.187	0.157	0.200	0.237	0.237	0.237	0.200	0.237	0.237	0.432	2.762	2.762	4.459	3.665	3.665	3.665	3.665	1.556	1.556	0.813	0.813	0.509	0.509	0.509		
Deficit Ratio	m ³ /sec %	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Minimum Monthly Discharge	m ³ /sec	0.187	0.130	0.098	0.106	0.144	0.144	0.144	0.106	0.144	0.144	0.279	0.998	0.998	1.110	2.269	2.269	2.269	2.269	1.203	1.203	0.619	0.619	0.297	0.297	0.297		
Deficit Ratio	m ³ /sec %	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Name of Scheme : AL-20 Thika Bhalraw (2)

Net Irrigation Area : 88 ha		Diversion Water Requirement in m ³ /sec																									
Intensive - I Type	44 ha 50.0%	0.008	0.008	0.012	0.019	0.024	0.022	0.020	0.007	0.002	0.008	0.009	0.022	0.029	0.005	0.009	0.017	0.013	0.022	0.022	0.023	0.015	0.010	0.010	0.010	0.029	
Remote - I Type	44 ha 50.0%	0.009	0.012	0.014	0.009	0.002	0	0.001	0.001	0.002	0.008	0.009	0.022	0.029	0.005	0.009	0.017	0.013	0.022	0.019	0.017	0.010	0.008	0.009	0.010	0.029	
Total in m ³ /sec	for 88 ha 100%	0.018	0.020	0.026	0.028	0.026	0.022	0.020	0.007	0.005	0.016	0.018	0.044	0.057	0.009	0.019	0.033	0.027	0.044	0.041	0.039	0.025	0.018	0.020	0.020	0.057	
Average diversion requirement (lit/sec/ha)		0.199	0.224	0.299	0.319	0.292	0.253	0.233	0.084	0.052	0.181	0.207	0.502	0.653	0.103	0.211	0.375	0.305	0.497	0.461	0.447	0.281	0.205	0.226	0.226	0.653	
Monthly average requirement (m ³ /sec)		0.019	0.027	0.024	0.014	0.031	0.031	0.031	0.014	0.014	0.010	0.031	0.031	0.031	0.031	0.026	0.026	0.035	0.035	0.040	0.040	0.021	0.021	0.021	0.020	0.040	
Monthly requirement	1,000 m ³	50.0	65.7	64.0	36.2	28.0	80.9	87.0	91.5	91.5	106.9	55.5	53.4	53.4	69.7	91.5	106.9	106.9	106.9	55.5	55.5	29.4	29.4	29.4	789 in total		
Available Discharge (1963-1986)	m ³ /sec	0.491	0.235	0.217	0.417	0.569	0.569	0.569	0.417	0.569	0.569	1.565	5.000	5.000	5.000	7.560	5.810	5.810	5.810	5.810	2.326	2.326	1.207	1.207	1.207	0.805	
Deficit Ratio	m ³ /sec %	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
80% Reliable Discharge	m ³ /sec	0.297	0.041	0.041	0.229	0.277	0.277	0.277	0.229	0.277	0.277	0.378	3.269	3.269	4.424	3.665	4.424	4.424	4.424	1.703	1.703	0.956	0.956	0.571	0.571	0.571	
Deficit Ratio	m ³ /sec %	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Minimum Monthly Discharge	m ³ /sec	0.118	0.018	0.013	0.102	0.154	0.154	0.154	0.102	0.154	0.154	0.178	0.995	0.995	1.229	2.637	2.637	2.637	2.637	1.252	1.252	0.687	0.687	0.299	0.299	0.299	
Deficit Ratio	m ³ /sec %	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 3-6.2 (1/4)

Irrigation Water Requirement in Zone - B (1/4)

Unit/Diversion Requirement (lit/sec/ha) Type of Cropping Pattern (Intensity) Intensive Area Type in Zone-B	Jan.		Feb.		Mar.		Apr.		May		Jun		Jul.		Aug.		Sep.		Oct.		Nov.		Dec.		Max.	Remarks	
	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late			
Intensive - I Type (27.5%)	0.252	0.181	0.241	0.376	0.500	0.390	0.474	0.114	0.043	0.147	0.068	0.502	0.653	0.103	0.125	0.147	0.270	0.414	0.471	0.573	0.330	0.228	0.238	0.225	0.653		
Intensive - II Type (25.0%)	0.252	0.181	0.241	0.332	0.346	0.266	0.191	0.042	0.043	0.147	0.068	0.502	0.653	0.103	0.125	0.147	0.270	0.414	0.471	0.573	0.330	0.228	0.238	0.225	0.653		
Intensive - III Type (22.5%)	0.244	0.175	0.223	0.263	0.173	0.051	0.018	0	0.043	0.147	0.068	0.502	0.653	0.103	0.125	0.147	0.270	0.414	0.471	0.573	0.330	0.228	0.238	0.225	0.653		
Remote Area Type in Zone-B	0.268	0.257	0.282	0.196	0.047	0	0.018	0	0.043	0.147	0.068	0.502	0.653	0.103	0.125	0.147	0.270	0.414	0.431	0.433	0.233	0.182	0.215	0.227	0.653		
Remote - I Type (200%)	0.317	0.271	0.196	0.071	0	0	0.018	0	0.043	0.147	0.068	0.502	0.653	0.103	0.125	0.147	0.270	0.414	0.431	0.433	0.233	0.182	0.228	0.277	0.653		
Remote - II Type (200%)																											
Name of Scheme : AK-04 Biswambhara																											
Net Irrigation Area : 92 ha																											
Diversion Water Requirement in m ³ /sec																											
Intensive - I Type	0.012 0.008 0.011 0.017 0.023 0.024 0.005 0.002 0.007 0.003 0.023 0.050 0.005 0.006 0.007 0.012 0.019 0.022 0.026 0.015 0.011 0.011 0.010 0.010 0.010 0.010 0.010 0.030																										
Intensive - II Type	0.012 0.012 0.013 0.009 0.002 0 0.001 0 0.002 0.007 0.003 0.023 0.050 0.005 0.006 0.007 0.012 0.019 0.020 0.020 0.011 0.008 0.010 0.010 0.010 0.010 0.030																										
Total in m ³ /sec for 92 ha 100%	0.024 0.020 0.024 0.026 0.025 0.024 0.023 0.005 0.004 0.014 0.006 0.046 0.009 0.012 0.014 0.025 0.058 0.041 0.046 0.026 0.019 0.021 0.021 0.021 0.021 0.021 0.060																										
Average diversion requirement (lit/sec/ha)	0.260 0.219 0.261 0.286 0.273 0.265 0.246 0.057 0.043 0.147 0.068 0.502 0.653 0.103 0.125 0.147 0.270 0.414 0.451 0.503 0.281 0.205 0.226 0.226 0.227 0.227 0.653																										
Monthly average requirement (m ³ /sec)	0.022 0.025 0.025 0.014 0.009 0.026 0.035 0.031																										
Monthly requirement 1,000 m ³	58.8 60.7 60.7 36.1 23.8 68.0 91.0 81.5 117.7 58.0 55.8 751 in total																										
Available Discharge																											
Mean Discharge (1963-1986)	0.081 0.064 0.056 0.058 0.075 0.215 0.629 0.905 0.720 0.327 0.159 0.109																										
Deficit																											
Ratio																											
80% Reliable Discharge	0.059 0.040 0.035 0.037 0.042 0.080 0.431 0.672 0.562 0.256 0.128 0.083																										
Deficit																											
Ratio																											
Minimum Monthly Discharge	0.038 0.029 0.021 0.020 0.026 0.056 0.165 0.184 0.358 0.205 0.100 0.052																										
Deficit																											
Ratio																											
Name of Scheme : AK-05 Boshan																											
Net Irrigation Area : 122 ha																											
Diversion Water Requirement in m ³ /sec																											
Intensive - I Type	0.069 0.007 0.009 0.014 0.019 0.020 0.018 0.004 0.002 0.005 0.003 0.019 0.024 0.004 0.005 0.005 0.010 0.015 0.017 0.021 0.012 0.008 0.009 0.008 0.024 0.024 0.024																										
Remote - I Type	0.023 0.022 0.024 0.017 0.004 0 0.002 0 0.004 0.012 0.006 0.043 0.056 0.009 0.011 0.013 0.023 0.035 0.037 0.020 0.015 0.018 0.019 0.019 0.019 0.056																										
Total in m ³ /sec for 122 ha 100%	0.092 0.029 0.033 0.031 0.022 0.020 0.019 0.004 0.005 0.018 0.008 0.061 0.080 0.013 0.015 0.018 0.033 0.050 0.054 0.038 0.032 0.024 0.027 0.028 0.080																										
Average diversion requirement (lit/sec/ha)	0.263 0.234 0.269 0.250 0.184 0.161 0.156 0.035 0.043 0.147 0.068 0.502 0.653 0.103 0.125 0.147 0.270 0.414 0.443 0.475 0.262 0.196 0.222 0.227 0.227 0.653																										
Monthly average requirement (m ³ /sec)	0.030 0.032 0.032 0.021 0.012 0.035 0.046 0.042 0.042 0.056 0.028 0.027 0.056																										
Monthly requirement 1,000 m ³	81.0 76.9 76.9 30.2 31.5 90.2 120.7 108.1 150.3 72.4 73.3 935 in total																										
Available Discharge																											
Mean Discharge (1963-1986)	0.135 0.115 0.105 0.108 0.128 0.294 0.784 1.112 0.892 0.427 0.228 0.168																										
Deficit																											
Ratio																											
80% Reliable Discharge	0.109 0.086 0.080 0.083 0.089 0.134 0.550 0.836 0.705 0.343 0.191 0.137																										
Deficit																											
Ratio																											
Minimum Monthly Discharge	0.085 0.073 0.064 0.062 0.070 0.105 0.235 0.257 0.464 0.282 0.158 0.100																										
Deficit																											
Ratio																											

Table 3-6.2 (2/4) Irrigation Water Requirement in Zone - B (2/4)

Unit Diversion Requirement (lit/sec/ha) Type of Cropping Pattern (Intensity)	Jan.		Feb.		Mar.		Apr.		May		Jun		Jul.		Aug.		Sep.		Oct.		Nov.		Dec.		Max. Remarks
	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	
	Intensive Area Type in Zone-B Intensive - I Type (275%) Intensive - II Type (250%) Intensive - III Type (225%) Remote Area Type in Zone-B Remote - I Type (200%) Remote - II Type (200%)	0.252	0.181	0.241	0.376	0.500	0.530	0.474	0.114	0.043	0.147	0.068	0.502	0.653	0.103	0.125	0.147	0.270	0.414	0.471	0.573	0.330	0.228	0.238	
	0.252	0.181	0.241	0.352	0.346	0.266	0.191	0.042	0.043	0.147	0.068	0.502	0.653	0.103	0.125	0.147	0.270	0.414	0.471	0.573	0.330	0.228	0.238	0.225	0.653
	0.244	0.175	0.223	0.263	0.173	0.051	0.018	0	0.043	0.147	0.068	0.502	0.653	0.103	0.125	0.147	0.270	0.414	0.471	0.573	0.330	0.228	0.238	0.225	0.653
	0.268	0.257	0.282	0.196	0.047	0	0.018	0	0.043	0.147	0.068	0.502	0.653	0.103	0.125	0.147	0.270	0.414	0.431	0.433	0.233	0.182	0.215	0.227	0.653
	0.317	0.271	0.196	0.071	0	0	0.018	0	0.043	0.147	0.068	0.502	0.653	0.103	0.125	0.147	0.270	0.414	0.431	0.433	0.233	0.182	0.228	0.277	0.653

Name of Scheme : **AK-07 Dakshinkali**

Net Irrigation Area : 67 ha		Diversion Water Requirement in m ³ /sec																								
Intensive - I Type	33.5 ha 50.0%	0.008	0.006	0.008	0.013	0.017	0.018	0.016	0.004	0.001	0.005	0.002	0.017	0.022	0.003	0.004	0.005	0.009	0.014	0.016	0.019	0.011	0.008	0.008	0.008	0.022
Remote - I Type	33.5 ha 50.0%	0.009	0.009	0.009	0.007	0.002	0	0.001	0	0.001	0.005	0.002	0.017	0.022	0.003	0.004	0.005	0.009	0.014	0.014	0.015	0.008	0.006	0.007	0.008	0.022
Total in m ³ /sec for	67 ha 100%	0.017	0.015	0.018	0.019	0.018	0.016	0.004	0.003	0.010	0.005	0.034	0.044	0.007	0.008	0.010	0.018	0.028	0.030	0.030	0.019	0.014	0.015	0.015	0.044	
Average diversion requirement (lit/sec/ha)		0.260	0.219	0.261	0.286	0.273	0.265	0.246	0.043	0.147	0.068	0.502	0.653	0.103	0.125	0.147	0.270	0.414	0.451	0.503	0.281	0.205	0.226	0.226	0.653	
Monthly average requirement (m ³ /sec)		0.016	0.018	0.018	0.010	0.006	0.019	0.025	0.009	0.023	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016
Monthly requirement	1,000 m ³	42.8	44.2	44.2	48.3	48.3	26.3	17.3	17.3	49.5	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
Available Discharge		0.146	0.099	0.083	0.115	0.152	0.411	1.216	1.811	1.411	1.411	1.411	1.411	1.411	1.411	1.411	1.411	1.411	1.411	1.411	1.411	1.411	1.411	1.411	1.411	1.411
Mean Discharge (1963-1986)	m ³ /sec																									
Deficit	m ³ /sec																									
Ratio	%																									
80% Reliable Discharge	m ³ /sec	0.102	0.051	0.040	0.072	0.085	0.137	0.816	1.340	1.091	1.091	1.091	1.091	1.091	1.091	1.091	1.091	1.091	1.091	1.091	1.091	1.091	1.091	1.091	1.091	1.091
Deficit	m ³ /sec																									
Ratio	%																									
Minimum Monthly Discharge	m ³ /sec	0.061	0.028	0.019	0.038	0.053	0.087	0.279	0.352	0.680	0.680	0.680	0.680	0.680	0.680	0.680	0.680	0.680	0.680	0.680	0.680	0.680	0.680	0.680	0.680	0.680
Deficit	m ³ /sec																									
Ratio	%																									

40.6
547 in total

Name of Scheme : **AK-14 Indrayani**

Net Irrigation Area : 101 ha		Diversion Water Requirement in m ³ /sec																								
Intensive - I Type	50.5 ha 50.0%	0.013	0.009	0.012	0.019	0.025	0.027	0.024	0.006	0.002	0.007	0.003	0.025	0.033	0.005	0.006	0.007	0.014	0.021	0.024	0.029	0.017	0.012	0.012	0.011	0.033
Remote - I Type	50.5 ha 50.0%	0.014	0.013	0.014	0.010	0.002	0	0.001	0	0.002	0.007	0.003	0.025	0.033	0.005	0.006	0.007	0.014	0.021	0.022	0.022	0.012	0.009	0.011	0.011	0.033
Total in m ³ /sec for	101 ha 100%	0.026	0.022	0.026	0.029	0.028	0.027	0.025	0.006	0.004	0.015	0.007	0.051	0.066	0.010	0.013	0.015	0.027	0.042	0.046	0.051	0.028	0.021	0.023	0.023	0.066
Average diversion requirement (lit/sec/ha)		0.260	0.219	0.261	0.286	0.273	0.265	0.246	0.057	0.043	0.147	0.068	0.502	0.653	0.103	0.125	0.147	0.270	0.414	0.451	0.503	0.281	0.205	0.226	0.226	0.653
Monthly average requirement (m ³ /sec)		0.024	0.028	0.028	0.027	0.015	0.010	0.029	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014
Monthly requirement	1,000 m ³	64.6	66.6	66.6	72.8	72.8	39.7	26.1	26.1	74.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
Available Discharge		0.077	0.037	0.049	0.058	0.076	0.213	0.624	0.912	0.719	0.719	0.719	0.719	0.719	0.719	0.719	0.719	0.719	0.719	0.719	0.719	0.719	0.719	0.719	0.719	0.719
Mean Discharge (1963-1986)	m ³ /sec																									
Deficit	m ³ /sec																									
Ratio	%																									
80% Reliable Discharge	m ³ /sec	0.055	0.033	0.027	0.037	0.042	0.076	0.425	0.676	0.559	0.559	0.559	0.559	0.559	0.559	0.559	0.559	0.559	0.559	0.559	0.559	0.559	0.559	0.559	0.559	0.559
Deficit	m ³ /sec																									
Ratio	%																									
Minimum Monthly Discharge	m ³ /sec	0.035	0.022	0.014	0.020	0.027	0.051	0.156	0.182	0.353	0.353	0.353	0.353	0.353	0.353	0.353	0.353	0.353	0.353	0.353	0.353	0.353	0.353	0.353	0.353	0.353
Deficit	m ³ /sec																									
Ratio	%																									

61.2
825 in total

Table 3-6.2 (3/4)

Irrigation Water Requirement in Zone - B (3/4)

Unit Diversion Requirement (lit/sec/ha) Type of Cropping Pattern (Intensity)	Jan.		Feb.		Mar.		Apr.		May		Jun.		Jul.		Aug.		Sep.		Oct.		Nov.		Dec.		Max.	Remarks		
	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late				
Intensive Area Type in Zone-B	0.252	0.181	0.241	0.376	0.500	0.530	0.474	0.114	0.043	0.147	0.068	0.502	0.653	0.103	0.125	0.147	0.270	0.414	0.471	0.573	0.330	0.228	0.238	0.225	0.653			
Intensive - I Type (275%)																									0.653			
Intensive - II Type (250%)	0.252	0.181	0.241	0.352	0.346	0.266	0.191	0.042	0.043	0.147	0.068	0.502	0.653	0.103	0.125	0.147	0.270	0.414	0.471	0.573	0.330	0.228	0.238	0.225	0.653			
Intensive - III Type (225%)	0.244	0.175	0.223	0.263	0.173	0.051	0.018	0	0.043	0.147	0.068	0.502	0.653	0.103	0.125	0.147	0.270	0.414	0.471	0.573	0.330	0.228	0.238	0.225	0.653			
Remote Area Type in Zone-B	0.268	0.257	0.282	0.196	0.047	0	0.018	0	0.043	0.147	0.068	0.502	0.653	0.103	0.125	0.147	0.270	0.414	0.431	0.433	0.233	0.182	0.215	0.227	0.653			
Remote - I Type (200%)																									0.653			
Remote - II Type (200%)	0.317	0.271	0.196	0.071	0	0	0.018	0	0.043	0.147	0.068	0.502	0.653	0.103	0.125	0.147	0.270	0.414	0.431	0.433	0.233	0.182	0.228	0.277	0.653			
Name of Scheme : AK-25 Shali Nadi																												
Net Irrigation Area : 157 ha																												
Diversion Water Requirement in m ³ /sec																												
Intensive - I Type	110 ha	70.1%	0.028	0.020	0.026	0.041	0.055	0.058	0.052	0.013	0.005	0.016	0.007	0.055	0.072	0.011	0.014	0.016	0.050	0.046	0.052	0.063	0.086	0.025	0.026	0.025	0.072	
Remote - I Type	47 ha	29.9%	0.013	0.012	0.013	0.009	0.002	0	0.001	0	0.002	0.007	0.003	0.024	0.031	0.005	0.006	0.007	0.013	0.019	0.020	0.020	0.011	0.009	0.010	0.011	0.091	
Total in m ³ /sec for 157 ha	100%		0.040	0.032	0.040	0.051	0.057	0.058	0.053	0.013	0.007	0.023	0.011	0.079	0.103	0.016	0.020	0.023	0.042	0.065	0.072	0.083	0.047	0.084	0.096	0.095	0.103	
Average diversion requirement (lit/sec/ha)			0.257	0.204	0.253	0.322	0.364	0.371	0.338	0.080	0.043	0.147	0.068	0.502	0.653	0.103	0.125	0.147	0.270	0.414	0.459	0.531	0.301	0.214	0.231	0.226	0.653	
Monthly average requirement (m ³ /sec)			0.036	0.045	0.045	0.058	0.083	0.093	0.080	0.015	0.045	0.045	0.021	0.054	0.078	0.040	0.040	0.040	0.054	0.078	0.078	0.040	0.040	0.040	0.036	0.078		
Monthly requirement	1,000 m ³		96.4	108.3	108.3	154.7	154.7	85.0	40.6	116.0	155.3	155.3	57.5	208.6	104.8	96.1	96.1	96.1	139.0	208.6	208.6	104.8	104.8	104.8	96.1	1,362	in total	
Available Discharge			0.197	0.153	0.153	0.133	0.143	0.143	0.186	0.526	1.540	1.540	2.234	0.793	0.393	0.269	0.269	0.269	1.768	0.793	0.793	0.393	0.393	0.393	0.269	0.269		
Mean Discharge (1963-1986)																												
Deficit																												
80% Reliable Discharge			0.142	0.094	0.094	0.081	0.091	0.091	0.104	0.191	1.052	1.052	1.658	0.617	0.316	0.203	0.203	0.203	1.378	0.617	0.617	0.316	0.316	0.316	0.203	0.203		
Ratio																												
Minimum Monthly Discharge			0.092	0.066	0.066	0.048	0.049	0.049	0.065	0.131	0.394	0.394	0.450	0.490	0.246	0.127	0.127	0.127	0.875	0.490	0.490	0.246	0.246	0.246	0.127	0.127		
Deficit																												
Ratio																												
Name of Scheme : AB-02 Bidol																												
Net Irrigation Area : 32 ha																												
Diversion Water Requirement in m ³ /sec																												
Intensive - I Type	10 ha	31.3%	0.003	0.002	0.002	0.004	0.005	0.005	0.005	0.001	0.000	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	0.004	0.005	0.006	0.003	0.002	0.002	0.007		
Remote - I Type	22 ha	68.8%	0.006	0.006	0.006	0.004	0.001	0	0.000	0	0.001	0.003	0.001	0.011	0.014	0.002	0.003	0.003	0.006	0.009	0.009	0.010	0.005	0.004	0.005	0.014		
Total in m ³ /sec for 32 ha	100%		0.008	0.007	0.009	0.008	0.006	0.005	0.005	0.001	0.001	0.005	0.002	0.016	0.021	0.003	0.004	0.005	0.009	0.013	0.014	0.015	0.008	0.006	0.007	0.021		
Average diversion requirement (lit/sec/ha)			0.263	0.233	0.269	0.252	0.188	0.160	0.086	0.043	0.147	0.068	0.502	0.653	0.103	0.125	0.147	0.270	0.414	0.444	0.477	0.263	0.196	0.222	0.227	0.653		
Monthly average requirement (m ³ /sec)			0.008	0.008	0.008	0.006	0.006	0.003	0.003	0.003	0.009	0.009	0.004	0.012	0.012	0.004	0.004	0.004	0.011	0.011	0.015	0.007	0.007	0.007	0.007	0.015		
Monthly requirement	1,000 m ³		21.2	20.2	20.2	15.1	8.1	8.1	8.3	23.6	31.6	31.6	11.7	39.5	19.1	19.2	19.2	19.2	28.3	39.5	39.5	19.1	19.1	19.1	19.2	246	in total	
Available Discharge			0.040	0.032	0.032	0.028	0.029	0.029	0.037	0.108	0.314	0.314	0.452	0.163	0.080	0.055	0.055	0.055	0.359	0.163	0.163	0.080	0.080	0.080	0.055	0.055		
Mean Discharge (1963-1986)																												
Deficit																												
80% Reliable Discharge			0.029	0.020	0.020	0.017	0.018	0.018	0.021	0.040	0.215	0.215	0.336	0.128	0.064	0.041	0.041	0.041	0.281	0.128	0.128	0.064	0.064	0.064	0.041	0.041		
Ratio																												
Minimum Monthly Discharge			0.019	0.014	0.014	0.011	0.010	0.010	0.013	0.028	0.083	0.083	0.092	0.102	0.050	0.026	0.026	0.026	0.179	0.102	0.102	0.050	0.050	0.050	0.026	0.026		
Deficit																												
Ratio																												

Table 3-6.2 (4/4) Irrigation Water Requirement in Zone - B (4/4)

Unit/Diversion Requirement (lit/sec/ha) Type of Cropping Pattern. (Intensity)	Jan.		Feb.		Mar.		Apr.		May		Jun		Jul		Aug.		Sep.		Oct.		Nov.		Dec.		Max.	Remarks		
	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late				
Intensive Area Type in Zone-B	0.252	0.181	0.241	0.376	0.500	0.580	0.114	0.474	0.147	0.068	0.502	0.502	0.653	0.103	0.125	0.147	0.270	0.414	0.471	0.573	0.330	0.228	0.238	0.225	0.653			
Intensive - I Type (275%)	0.252	0.181	0.241	0.376	0.500	0.580	0.114	0.474	0.147	0.068	0.502	0.502	0.653	0.103	0.125	0.147	0.270	0.414	0.471	0.573	0.330	0.228	0.238	0.225	0.653			
Intensive - II Type (250%)	0.244	0.175	0.223	0.263	0.173	0.051	0.018	0	0.043	0.147	0.068	0.502	0.502	0.653	0.103	0.125	0.147	0.270	0.414	0.471	0.573	0.330	0.228	0.238	0.225	0.653		
Intensive - III Type (22.5%)	0.268	0.257	0.282	0.196	0.047	0	0.018	0	0.043	0.147	0.068	0.502	0.502	0.653	0.103	0.125	0.147	0.270	0.414	0.431	0.433	0.233	0.182	0.215	0.227	0.653		
Remote Area Type in Zone-B	0.317	0.271	0.196	0.071	0	0	0.018	0	0.043	0.147	0.068	0.502	0.502	0.653	0.103	0.125	0.147	0.270	0.414	0.431	0.433	0.233	0.182	0.228	0.277	0.653		
Remote - I Type (200%)	0.317	0.271	0.196	0.071	0	0	0.018	0	0.043	0.147	0.068	0.502	0.502	0.653	0.103	0.125	0.147	0.270	0.414	0.431	0.433	0.233	0.182	0.228	0.277	0.653		
Remote - II Type (200%)	0.317	0.271	0.196	0.071	0	0	0.018	0	0.043	0.147	0.068	0.502	0.502	0.653	0.103	0.125	0.147	0.270	0.414	0.431	0.433	0.233	0.182	0.228	0.277	0.653		
Name of Scheme : AB-12 Kutudhal																												
Net Irrigation Area : 43 ha																												
Intensive - III Type	Diversion Water Requirement in m ³ /sec																											
33 ha 30.2%	0.003	0.002	0.003	0.003	0.002	0.001	0.000	0	0.001	0.002	0.001	0.007	0.008	0.001	0.002	0.002	0.004	0.004	0.005	0.006	0.007	0.004	0.003	0.003	0.003	0.008		
Remote - II Type	0.010	0.008	0.006	0.002	0	0	0.001	0	0.001	0.004	0.002	0.015	0.020	0.003	0.004	0.004	0.008	0.012	0.013	0.013	0.013	0.007	0.005	0.007	0.008	0.020		
Total in m ³ /sec for 43 ha 100%	0.013	0.010	0.009	0.006	0.002	0.001	0.001	0	0.002	0.006	0.003	0.022	0.028	0.004	0.005	0.006	0.012	0.018	0.019	0.020	0.011	0.008	0.010	0.011	0.028			
Average diversion requirement (lit/sec/ha)	0.295 0.242 0.204 0.129 0.052 0.015 0.018 0 0.043 0.147 0.068 0.502 0.502 0.653 0.103 0.125 0.147 0.270 0.414 0.443 0.475 0.262 0.196 0.231 0.261 0.653																											
Monthly average requirement (m ³ /sec)	0.012 0.007 0.001 0.001 0.000 0.004 0.012 0.016 0.016 0.006 0.015 0.015 0.020 0.020 0.010 0.010 0.010 0.010 0.010 0.010 0.010 0.010 0.010 0.010 0.010 0.010 0.020																											
Monthly requirement 1,000 m ³	30.8	17.6	17.6	3.8	3.8	1.0	11.1	42.5	31.8	15.7	38.1	53.0	25.5	28.4	299	in total												
Available Discharge	0.027	0.011	0.011	0.008	0.008	0.018	0.085	0.494	0.134	0.868	0.613	0.165	0.112	0.063														
Mean Discharge (1963-1986)																												
Deficit Ratio	0.004	0.008	0.005	0.002	0.002	0.005	0.006	0.011	0.001	0.023	0.445	0.088	0.080	0.035														
80% Reliable Discharge	65.4%	72.1%	72.1%	83.2%	83.2%	84.4%	88.0%	10.3%	10.3%	10.3%	10.3%	10.3%	10.3%	10.3%														
Deficit Ratio	0.002	0.001	0.001	0.001	0.001	0.002	0.004	0.003	0.003	0.101	0.228	0.050	0.050	0.004														
Minimum Monthly Discharge	0.010	0.006	0.006	0.001	0.001	0.001	0.000	0.008	0.010	0.101	0.228	0.050	0.050	0.004														
Deficit Ratio	84.4%	83.2%	83.2%	38.0%	38.0%	38.0%	1.8%	1.8%	1.8%	1.8%	1.8%	1.8%	1.8%	1.8%														

Table 3-7.1 (1/3) Irrigation Water Requirement for Present Cropping Pattern in Zone - A (1/3)

Unit	(After Improvement)												Remarks	
	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.		
Unit Diversion Requirement (lit/sec/ha)														
Crops with Conveyance Efficiency = 80%														
Paddy	0	0	0	0	0	0	0	0	0	0	0	0	0	1.306
Paddy (L)	0.199	0.395	0.573	0.760	0.948	0.575	0.077	0	0	0	0	0	0	0.948
Wheat	0.137	0.255	0.457	0.515	0.214	0	0	0	0	0	0	0	0	0.515
Legume (L) (Bean/Pea)	0.270	0.371	0.486	0.222	0	0	0	0	0	0	0	0	0	0.486
Mustard	0.203	0.353	0.562	0.542	0.198	0	0	0	0	0	0	0	0	0.562
Potatoes	0	0	0	0	0	0	0	0	0	0	0	0	0	0.027
Maize	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Name of Scheme: AB-10 Katunje														
Net Irrigation Area: 40 ha														
% Diversion Water Requirement in m ³ /sec														
Paddy	0	0	0	0	0	0	0	0	0	0	0	0	0	0.033
Paddy (L)	0	0	0	0	0	0	0	0	0	0	0	0	0	0.024
Wheat	0.006	0.012	0.017	0.022	0.028	0.017	0.002	0	0	0	0	0	0	0.028
Legume (L)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mustard	0.001	0.001	0.001	0.000	0	0	0	0	0	0	0	0	0	0.001
Potatoes	0.001	0.002	0.003	0.003	0.001	0	0	0	0	0	0	0	0	0.003
Maize	0	0	0	0	0	0	0	0	0	0	0	0	0	0.000
Total in m ³ /sec for 78 ha	0.008	0.015	0.021	0.026	0.029	0.017	0.002	0	0	0	0	0	0	0.038
Average diversion requirement in lit/sec/ha	0.191	0.364	0.533	0.655	0.731	0.425	0.057	0	0	0	0	0	0	0.956
Monthly average requirement (m ³ /sec)	0.011	0.024	0.024	0.023	0.001	0	0.015	0.052	0.023	0.031	0.033	0.008	0.003	0.033
Monthly requirement 1,000 m ³	30.0	57.0	57.0	61.4	2.9	0	37.7	86.1	60.8	79.6	88.4	19.9	9.0	533 in total
Available Discharge														
Mean Discharge (1963-1986)	0.016	0.011	0.009	0.009	0.016	0.022	0.045	0.131	0.224	0.157	0.056	0.040	0.029	
Deficit	-	-	-	-	-	-	-	-	-	-	-	-	-	
Ratio	-	55.4%	59.6%	59.6%	59.6%	59.6%	59.6%	59.6%	59.6%	59.6%	59.6%	59.6%	59.6%	
80% Reliable Discharge	0.010	0.006	0.006	0.006	0.010	0.012	0.013	0.072	0.157	0.112	0.042	0.032	0.022	
Deficit	0.001	0.001	0.001	0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	
Ratio	9.9%	74.7%	74.7%	74.1%	74.1%	74.1%	74.1%	74.1%	74.1%	74.1%	74.1%	74.1%	74.1%	
Name of Scheme: AB-14 Mahadev Khola														
Net Irrigation Area: 112 ha														
% Diversion Water Requirement in m ³ /sec														
Paddy	0	0	0	0	0	0	0	0	0	0	0	0	0	0.096
Paddy (L)	0	0	0	0	0	0	0	0	0	0	0	0	0	0.071
Wheat	0.018	0.035	0.051	0.068	0.085	0.051	0.007	0	0	0	0	0	0	0.085
Beans	0.000	0.001	0.002	0.002	0.001	0	0	0	0	0	0	0	0	0.002
Mustard	0.002	0.002	0.003	0.001	0	0	0	0	0	0	0	0	0	0.003
Potatoes	0.001	0.002	0.003	0.003	0.001	0	0	0	0	0	0	0	0	0.003
Maize	0	0	0	0	0	0	0	0	0	0	0	0	0	0.000
Total in m ³ /sec for 216.2 ha	0.021	0.040	0.059	0.074	0.087	0.051	0.007	0	0	0	0	0	0	0.110
Average diversion requirement in lit/sec/ha	0.187	0.360	0.525	0.662	0.775	0.460	0.061	0	0	0	0	0	0	0.986
Monthly average requirement (m ³ /sec)	0.031	0.066	0.066	0.069	0.003	0	0.042	0.093	0.065	0.089	0.096	0.022	0.009	0.096
Monthly requirement 1,000 m ³	82.9	159.5	159.5	183.6	8.9	0	109.1	248.6	175.8	229.9	255.2	57.4	24.7	1,535 in total
Available Discharge														
Mean Discharge (1963-1986)	0.046	0.028	0.024	0.024	0.037	0.049	0.122	0.370	0.560	0.430	0.173	0.099	0.069	
Deficit	-	-	-	-	-	-	-	-	-	-	-	-	-	
Ratio	-	57.7%	57.7%	57.7%	57.7%	57.7%	57.7%	57.7%	57.7%	57.7%	57.7%	57.7%	57.7%	
80% Reliable Discharge	0.031	0.014	0.009	0.009	0.023	0.027	0.036	0.241	0.409	0.328	0.127	0.079	0.052	
Deficit	-	-	-	-	-	-	-	-	-	-	-	-	-	
Ratio	-	78.9%	78.9%	78.0%	78.0%	78.0%	78.0%	78.0%	78.0%	78.0%	78.0%	78.0%	78.0%	

Table 3-7.1 (2/3)
Irrigation Water Requirement for Present Cropping Pattern in Zone - A (2/3)
(After Improvement)

Unit Diversion Requirement (lit/sec/ha)	Jan.		Feb.		Mar.		Apr.		May		Jun.		Jul.		Aug.		Sep.		Oct.		Nov.		Dec.		Max.	Remarks	
	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late			
Crops with Conveyance Efficiency = 80%																											
Paddy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.306	
2/3 of total paddy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.928	
1/3 of total paddy	0.199	0.395	0.573	0.760	0.948	0.575	0.077	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.948	
Wheat	0.137	0.255	0.457	0.515	0.214	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.515	
Legume (L) (Bean/Peat)	0.270	0.371	0.486	0.222	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.486	
Mustard	0.203	0.353	0.562	0.542	0.198	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.562	
Potatoes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.027	
Maize	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.027	

Name of Scheme : **AL-10 Kotkhu**

Net Irrigation Area : 246 ha

% Diversion Water Requirement in m³/sec

Paddy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.197
Paddy (L)	0.032	0.064	0.093	0.123	0.154	0.093	0.012	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.145
Wheat	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.154
Legume (L)	0.008	0.011	0.014	0.007	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mustard	0.006	0.010	0.017	0.016	0.006	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.017
Potatoes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.000
Maize	0.046	0.085	0.124	0.146	0.160	0.093	0.012	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.000
Total in m ³ /sec for	0.188	0.347	0.504	0.593	0.650	0.379	0.051	0	0	0	0.089	0.616	0.841	0.718	0.400	0.691	0.561	0.926	0.855	0.745	0.320	0.051	0.047	0.116	0.926	
Average diversion requirement in lit/sec/ha	0.066	0.127	0.135	0.135	0.135	0.127	0.006	0	0	0	0.087	0.192	0.192	0.192	0.134	0.134	0.183	0.183	0.183	0.183	0.183	0.183	0.183	0.183	0.183	0.183
Monthly average requirement (m ³ /sec)	178.2	324.7	324.7	324.7	324.7	324.7	16.1	0	0	0	224.9	512.3	512.3	512.3	362.2	362.2	474.1	474.1	474.1	474.1	474.1	474.1	474.1	474.1	474.1	
Monthly requirement 1,000 m ³	0.155	0.113	0.099	0.127	0.167	0.167	0.167	0.167	0.167	0.167	0.429	1.273	1.273	1.273	1.929	1.929	1.481	1.481	1.481	1.481	1.481	1.481	1.481	1.481	1.481	
Available Discharge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.236
Mean Discharge (1963-1986)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Deficit	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ratio	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
80% Reliable Discharge	0.105	0.070	0.061	0.080	0.093	0.093	0.093	0.093	0.093	0.093	0.141	0.852	0.852	0.852	1.408	1.408	1.129	1.129	1.129	1.129	1.129	1.129	1.129	1.129	1.129	0.176
Deficit	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ratio	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Name of Scheme : **AL-13 Lubhu**

Net Irrigation Area : 130 ha

% Diversion Water Requirement in m³/sec

Paddy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.105
Paddy (L)	0.017	0.033	0.048	0.064	0.080	0.049	0.006	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.078
Wheat	0.003	0.005	0.009	0.010	0.004	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.080
Beans	0.002	0.002	0.003	0.001	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.010
Mustard	0.001	0.002	0.004	0.004	0.001	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.003
Potatoes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.004
Maize	0.023	0.043	0.064	0.079	0.086	0.049	0.006	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.000
Total in m ³ /sec for	0.174	0.331	0.494	0.609	0.658	0.373	0.050	0	0	0	0.090	0.623	0.850	0.726	0.404	0.698	0.567	0.936	0.864	0.754	0.324	0.051	0.044	0.112	0.936	
Average diversion requirement in lit/sec/ha	0.053	0.072	0.072	0.067	0.067	0.067	0.003	0	0	0	0.046	0.102	0.102	0.102	0.072	0.072	0.098	0.098	0.098	0.098	0.098	0.098	0.098	0.098	0.098	0.098
Monthly average requirement (m ³ /sec)	88.7	172.2	172.2	172.2	172.2	172.2	8.4	0	0	0	120.1	273.7	273.7	273.7	193.5	193.5	253.2	253.2	253.2	253.2	253.2	253.2	253.2	253.2	253.2	
Monthly requirement 1,000 m ³	0.055	0.044	0.038	0.041	0.053	0.053	0.053	0.053	0.053	0.053	0.149	0.436	0.436	0.436	0.633	0.633	0.500	0.500	0.500	0.500	0.500	0.500	0.500	0.500	0.500	
Available Discharge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.076
Mean Discharge (1963-1986)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Deficit	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ratio	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
80% Reliable Discharge	0.040	0.027	0.023	0.026	0.030	0.030	0.030	0.030	0.030	0.030	0.054	0.296	0.296	0.296	0.469	0.469	0.389	0.389	0.389	0.389	0.389	0.389	0.389	0.389	0.389	0.057
Deficit	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ratio	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 3-7.1 (3/3) Irrigation Water Requirement for Present Cropping Pattern in Zone - A (3/3)

Unit	(After Improvement)												Remarks														
	Jan.		Feb.		Mar.		Apr.		May		Jun			Jul		Aug.		Sep.		Oct.		Nov.		Dec.			
	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Max.		
Crops with Conveyance Efficiency = 80%																											
Paddy	2/3 of total paddy																										
Paddy (L)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.306	
Wheat	1/3 of total paddy																										
Wheat	0.199	0.395	0.573	0.760	0.948	0.575	0.077	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.928	
Legume (L)	(Bean/Pea)																										
Legume (L)	0.137	0.255	0.457	0.515	0.214	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.948	
Potatoes	0.270	0.371	0.486	0.222	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.486	
Maize	0.203	0.353	0.562	0.542	0.198	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.562	
Maize	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.027	
Maize	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.027	
Name of Scheme: AL-19 Thika Bhalraw (1)																											
Net Irrigation Area:	497 ha																										
% Diversion Water Requirement in m ³ /sec																											
Paddy	0	0	0	0	0	0	0	0	0	0	0.042	0.290	0.377	0.059	0.122	0.216	0.176	0.287	0.247	0.157	0.030	0	0	0	0	0	0.377
Paddy (L)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.278
Wheat	0.074	0.147	0.214	0.283	0.353	0.214	0.029	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.353
Beans	0.002	0.004	0.007	0.008	0.003	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.008
Mustard	0.011	0.015	0.019	0.009	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.019
Potatoes	0.009	0.016	0.025	0.024	0.009	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.025
Maize	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.001
Maize	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.001
Total in m ³ /sec for	959.3 ha 193%																										
Average diversion requirement in lit/sec/ha	0.193 0.365 0.593 0.652 0.735 0.481 0.057 0 0 0 0.085 0.583 0.796 0.679 0.378 0.639 0.531 0.877 0.809 0.705 0.303 0.048 0.048 0.121 0.121 0.877																										
Monthly average requirement	0.139 0.295 0.290 0.290 0.14 0.166 0.366 0.366 0.459 0.256 0.256 0.350 0.350 0.087 0.087 0.376 0.376 0.087 0.087 113.5 6.242 in total																										
Monthly requirement	1,000 m ³																										
Available Discharge	0.478 0.340 0.290 0.290 0.347 0.466																										
Deficit	0.522 0.660 0.710 0.710 0.653 0.534 0.543 0.534																										
Ratio	36.5% 45.8%																										
80% Reliable Discharge	0.327 0.187 0.157 0.157 0.200 0.237																										
Deficit	0.673 0.813																										
Ratio	45.8%																										
Name of Scheme: AL-20 Thika Bhalraw (2)																											
Net Irrigation Area:	88 ha																										
% Diversion Water Requirement in m ³ /sec																											
Paddy	0	0	0	0	0	0	0	0	0	0	0.008	0.058	0.075	0.012	0.024	0.043	0.035	0.057	0.049	0.031	0.006	0	0	0	0	0	0.075
Paddy (L)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.055
Wheat	0.015	0.030	0.043	0.057	0.071	0.043	0.006	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.071
Beans	0.000	0.000	0.001	0.001	0.000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.001
Mustard	0.000	0.001	0.001	0.000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.001
Potatoes	0.001	0.001	0.001	0.001	0.001	0.001	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.001
Maize	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total in m ³ /sec for	167.2 ha 190%																										
Average diversion requirement in lit/sec/ha	0.184 0.359 0.523 0.677 0.816 0.488 0.065 0 0 0 0.095 0.656 0.896 0.764 0.425 0.735 0.597 0.984 0.910 0.798 0.341 0.054 0.044 0.115 0.115 0.984																										
Monthly average requirement	0.024 0.053 0.057																										
Monthly requirement	1,000 m ³																										
Available Discharge	0.491 0.235 0.217 0.217 0.417 0.569																										
Deficit	0.509 0.765 0.783 0.783 0.583 0.431																										
Ratio	22.4%																										
80% Reliable Discharge	0.297 0.041 0.041 0.041 0.229 0.277																										
Deficit	0.703 0.959 0.959 0.959 0.771 0.723																										
Ratio	28.6%																										
Monthly requirement	1,000 m ³																										
Available Discharge	0.491 0.235 0.217 0.217 0.417 0.569																										
Mean Discharge (1963-1986)	0.491 0.235 0.217 0.217 0.417 0.569																										
Deficit	0.509 0.765 0.783 0.783 0.583 0.431																										
Ratio	28.6%																										
80% Reliable Discharge	0.297 0.041 0.041 0.041 0.229 0.277																										
Deficit	0.703 0.959 0.959 0.959 0.771 0.723																										
Ratio	28.6%																										

Table 3-7.2 (1/4) Irrigation Water Requirement for Present Cropping Pattern in Zone - B (1/4)
(After Improvement)

Unit	Jan.		Feb.		Mar.		Apr.		May		Jun		Jul.		Aug.		Sep.		Oct.		Nov.		Dec.		Max.	Remarks	
	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late			
Crops with Conveyance Efficiency = 80%																											
Paddy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.306	
Paddy (L)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.928	
Wheat	0.271	0.387	0.518	0.701	0.902	0.608	0.088	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.902	
Legume (L)	0.209	0.248	0.402	0.470	0.203	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.470	
Mustard	0.342	0.364	0.431	0.192	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.431	
Potatoes	0.275	0.346	0.506	0.498	0.187	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.431	
Maize	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.506	

Name of Scheme : AK-04 Biswambhara

Net Irrigation Area :	Diversion Water Requirement in m ³ /sec																														
	92 ha		60.0%		82.8ha		55.2 ha		30.0%		Paddy (L)		Wheat		Legume (L)		Mustard		Potatoes		Maize		Total in m ³ /sec for		Average diversion requirement in lit/sec/ha		Monthly average requirement (m ³ /sec)				
Paddy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.072
Paddy (L)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.053
Wheat	0.018	0.026	0.035	0.048	0.061	0.041	0.006	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.003
Legume (L)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mustard	0.003	0.003	0.004	0.002	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potatoes	0.003	0.004	0.006	0.005	0.002	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Maize	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total in m ³ /sec for	0.025	0.034	0.045	0.055	0.063	0.041	0.006	0	0	0	0.008	0.035	0.076	0.065	0.026	0.024	0.045	0.069	0.077	0.071	0.029	0.005	0.005	0.011	0.077						
Average diversion requirement in lit/sec/ha	0.268	0.365	0.487	0.597	0.690	0.450	0.065	0	0	0	0.082	0.603	0.823	0.702	0.279	0.265	0.485	0.754	0.840	0.775	0.313	0.050	0.049	0.123	0.840						
Monthly average requirement	0.029	0.050	0.050	0.052	0.052	0.003	0	0	0	0	0.081	0.031	0.070	0.070	0.025	0.057	0.074	0.074	0.074	0.017	0.017	0.008	0.074	0.074							
Monthly requirement	78.3	119.8	139.5	139.5	139.5	7.8	0	0	0	0	81.6	187.4	187.4	187.4	67.1	147.8	198.7	198.7	198.7	43.3	43.3	21.4	1,093	1,093	in total						
Available Discharge																															
Mean Discharge (1963-1986)	0.081	0.064	0.056	0.058	0.058	0.058	0.075	0.075	0.075	0.075	0.215	0.629	0.629	0.629	0.905	0.720	0.327	0.327	0.327	0.159	0.159	0.109	0.109	0.109							
Deficit Ratio	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
80% Reliable Discharge	0.059	0.040	0.035	0.037	0.037	0.042	0.042	0.042	0.042	0.080	0.080	0.491	0.491	0.672	0.562	0.562	0.562	0.562	0.562	0.128	0.128	0.083	0.083	0.083							
Deficit Ratio	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						

Name of Scheme : AK-05 Boshan

Net Irrigation Area :	Diversion Water Requirement in m ³ /sec																														
	122 ha		66.6%		81.3 ha		33.4%		70.8 ha		58.0%		34.2 ha		28.0%		12.2 ha		10.0%		0 ha		Total in m ³ /sec for		Average diversion requirement in lit/sec/ha		Monthly average requirement (m ³ /sec)				
Paddy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.106
Paddy (L)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wheat	0.019	0.027	0.037	0.050	0.064	0.043	0.006	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Legume (L)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mustard	0.012	0.012	0.015	0.007	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potatoes	0.003	0.004	0.006	0.006	0.002	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Maize	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total in m ³ /sec for	0.034	0.044	0.058	0.062	0.066	0.043	0.006	0	0	0	0.011	0.082	0.112	0.095	0.038	0.036	0.066	0.102	0.114	0.105	0.042	0.007	0.007	0.016	0.114						
Average diversion requirement in lit/sec/ha	0.281	0.361	0.472	0.510	0.542	0.353	0.051	0	0	0	0.091	0.659	0.914	0.781	0.310	0.295	0.539	0.838	0.933	0.861	0.348	0.055	0.056	0.128	0.933						
Monthly average requirement	0.039	0.060	0.060	0.060	0.060	0.003	0	0	0	0	0.046	0.103	0.103	0.103	0.037	0.084	0.109	0.109	0.109	0.025	0.025	0.011	0.109	0.109							
Monthly requirement	105.4	144.6	145.2	145.2	145.2	8.1	0	0	0	0	120.2	276.2	276.2	276.2	98.8	217.8	292.8	292.8	292.8	63.8	63.8	30.5	1,503	1,503	in total						
Available Discharge																															
Mean Discharge (1963-1986)	0.135	0.115	0.105	0.108	0.108	0.128	0.128	0.128	0.128	0.294	0.784	0.784	0.784	1.112	0.892	0.892	0.892	0.892	0.427	0.427	0.228	0.228	0.168	0.168							
Deficit Ratio	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
80% Reliable Discharge	0.109	0.086	0.080	0.083	0.083	0.089	0.089	0.089	0.089	0.134	0.550	0.550	0.550	0.836	0.705	0.705	0.705	0.705	0.343	0.343	0.191	0.191	0.137	0.137							
Deficit Ratio	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						

Table 3-7.2 (2/4)

Irrigation Water Requirement for Present Cropping Pattern in Zone - B (2/4)

Crop	Jan.		Feb.		Mar.		Apr.		May		Jun.		Jul.		Aug.		Sep.		Oct.		Nov.		Dec.		Max.	Remarks
	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late		
Unit Diversion Requirement (lit/sec/ha)	= 80%																									
Crops with Conveyance Efficiency =	2/3 of total paddy																									
Paddy (L)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.306
Wheat	0.271	0.387	0.518	0.701	0.902	0.608	0.888	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.928
Legume (L)	0.209	0.248	0.402	0.470	0.203	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.902
Mustard	0.342	0.364	0.431	0.192	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.470
Potatoes	0.275	0.346	0.506	0.498	0.187	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.431
Maize	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.506

Name of Scheme : AK-07 Dakshinkali

Net Irrigation Area :	Diversion Water Requirement in m ³ /sec																									
	67 ha	44.7 ha	66.7%																							
Paddy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.058
Paddy (L)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.043
Wheat	0.004	0.006	0.008	0.010	0.013	0.009	0.001	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.013
Pea	0.005	0.006	0.010	0.012	0.005	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.012
Mustard	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potatoes	0.001	0.001	0.001	0.001	0.000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.001
Maize	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total in m ³ /sec for	0.010	0.013	0.019	0.023	0.019	0.009	0.001	0	0	0	0.006	0.045	0.061	0.052	0.021	0.020	0.036	0.056	0.063	0.058	0.023	0.004	0.002	0.005	0.005	0.063
Average diversion requirement in lit/sec/ha	0.145	0.187	0.278	0.343	0.278	0.133	0.019	0	0	0	0.091	0.670	0.915	0.779	0.310	0.295	0.539	0.838	0.953	0.860	0.348	0.055	0.028	0.074	0.933	
Monthly average requirement (m ³ /sec)	0.011	0.021	0.021	0.014	0.001	0	0	0.001	0	0	0.025	0.057	0.057	0.020	0.020	0.046	0.046	0.060	0.060	0.013	0.003	0.003	0.003	0.060	0.060	
Monthly requirement	1,000 m ³	29.9	49.9	36.5	1.7	0	0	0	0	0	66.1	151.6	151.6	54.3	54.3	119.6	119.6	160.7	160.7	35.0	9.3	9.3	9.3	160.7	71.5 in total	

Available Discharge																										
Mean Discharge (1963-1986)	0.146	0.099	0.099	0.083	0.115	0.152	0.115	0.1216	1.811	1.811	1.411	1.411	1.411	1.411	1.411	1.411	1.411	1.411	1.411	1.411	1.411	1.411	1.411	1.411	1.411	
Deficit	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ratio	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
80% Reliable Discharge	0.102	0.051	0.051	0.040	0.072	0.085	0.085	0.816	1.340	1.340	1.091	1.091	1.091	1.091	1.091	1.091	1.091	1.091	1.091	1.091	1.091	1.091	1.091	1.091	1.091	
Deficit	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ratio	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Name of Scheme : AK-14 Indrayani

Net Irrigation Area :	Diversion Water Requirement in m ³ /sec																									
	101 ha	66 ha	65.3%																							
Paddy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.086
Paddy (L)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.064
Wheat	0.021	0.031	0.041	0.055	0.071	0.048	0.007	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.071
Legume (L)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mustard	0.001	0.001	0.001	0.000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potatoes	0.005	0.006	0.009	0.009	0.003	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.001
Maize	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total in m ³ /sec for	0.027	0.038	0.051	0.065	0.074	0.048	0.007	0	0	0	0.009	0.066	0.091	0.077	0.031	0.029	0.053	0.083	0.092	0.085	0.034	0.005	0.005	0.012	0.092	
Average diversion requirement in lit/sec/ha	0.268	0.372	0.504	0.640	0.737	0.474	0.069	0	0	0	0.089	0.656	0.896	0.765	0.304	0.289	0.529	0.821	0.915	0.844	0.341	0.054	0.047	0.123	0.915	
Monthly average requirement (m ³ /sec)	0.032	0.038	0.038	0.061	0.003	0	0.003	0.064	0.030	0.030	0.068	0.068	0.068	0.020	0.020	0.089	0.089	0.089	0.089	0.020	0.009	0.009	0.009	0.089	0.089	
Monthly requirement	1,000 m ³	87.0	138.6	162.7	9.0	0	0	0	0	0	97.5	224.1	224.1	80.2	80.2	176.7	176.7	237.5	237.5	51.7	23.3	23.3	23.3	176.7	1,288 in total	

Available Discharge																										
Mean Discharge (1963-1986)	0.077	0.057	0.057	0.049	0.058	0.076	0.058	0.624	0.912	0.912	0.719	0.719	0.719	0.719	0.719	0.719	0.719	0.719	0.719	0.719	0.719	0.719	0.719	0.719	0.719	
Deficit	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ratio	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
80% Reliable Discharge	0.055	0.033	0.033	0.027	0.037	0.042	0.037	0.425	0.676	0.676	0.559	0.559	0.559	0.559	0.559	0.559	0.559	0.559	0.559	0.559	0.559	0.559	0.559	0.559	0.559	
Deficit	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ratio	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 3-7.2 (3/4)
Irrigation Water Requirement for Present Cropping Pattern in Zone - B (3/4)
 (After Improvement)

Unit Diversion Requirement (lit/sec/ha) Crops with Conveyance Efficiency = 80%	Jan.		Feb.		Mar.		Apr.		May		Jun.		Jul.		Aug.		Sep.		Oct.		Nov.		Dec.		Max. Remarks	
	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late		
Paddy 2/3 of total paddy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.306		
Paddy (L)	0.271	0.387	0.518	0.701	0.902	0.608	0.088	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.928		
Wheat	0.209	0.248	0.402	0.470	0.203	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.902		
Legume (L) (Bean/Pea)	0.342	0.364	0.431	0.192	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.470		
Mustard	0.275	0.346	0.506	0.498	0.187	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.431		
Potatoes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.506		
Maize	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Name of Scheme : AK-25 Shali Nadi																										
Net Irrigation Area : 157 ha																										
% Diversion Water Requirement in m ³ /sec																										
Paddy	157ha	104.7 ha	66.7%	0	0	0	0	0	0	0	0.014	0.105	0.137	0.022	0.026	0.031	0.056	0.087	0.090	0.062	0.011	0	0	0	0	0.137
Paddy (L)	52.3 ha	33.3%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.045	0.056	0.073	0.044	0.009	0	0	0.101	
Wheat	78.5 ha	50.0%	0.021	0.030	0.041	0.055	0.071	0.048	0.007	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Legume (L)	0 ha	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Mustard	7.9 ha	5.0%	0.003	0.003	0.003	0.002	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Potatoes	81.6 ha	52.0%	0.022	0.028	0.041	0.041	0.015	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Maize	0 ha	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Total in m ³ /sec for	325 ha	207%	0.046	0.061	0.085	0.097	0.086	0.048	0.007	0	0	0.014	0.105	0.144	0.122	0.049	0.046	0.085	0.132	0.147	0.135	0.055	0.009	0.008	0.021	0.147
Average diversion requirement in lit/sec/ha			0.296	0.392	0.544	0.619	0.548	0.304	0.044	0	0	0.091	0.670	0.915	0.780	0.310	0.295	0.539	0.838	0.933	0.861	0.348	0.055	0.053	0.136	0.933
Monthly average requirement (m ³ /sec)			0.054	0.091	0.091	0.067	0.067	0.003	0.003	0	0	0.060	0.133	0.133	0.108	0.048	0.108	0.141	0.141	0.141	0.092	0.092	0.015	0.141	0.141	
Monthly requirement	1,000 m ³		145.2	219.8	219.8	177.4	177.4	9.0	9.0	0	0	154.7	355.4	355.4	280.2	280.2	376.7	376.7	376.7	82.0	82.0	40.2	40.2	1,968	in total	
Available Discharge			0.197	0.153	0.153	0.133	0.133	0.143	0.143	0.186	0.186	0.526	1.540	1.540	2.234	2.234	1.768	1.768	1.768	0.793	0.793	0.393	0.393	0.269		
Deficit			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Ratio			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
80% Reliable Discharge			0.142	0.094	0.094	0.081	0.081	0.091	0.091	0.104	0.104	0.191	1.052	1.052	1.658	1.658	1.378	1.378	1.378	0.617	0.617	0.316	0.316	0.203		
Deficit			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Ratio			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Name of Scheme : AB-02 Bidol																										
Net Irrigation Area : 32 ha																										
% Diversion Water Requirement in m ³ /sec																										
Paddy	32ha	21.3 ha	66.6%	0	0	0	0	0	0	0	0.003	0.021	0.028	0.004	0.005	0.006	0.011	0.018	0.018	0.013	0.002	0	0	0	0.028	
Paddy (L)	10.7 ha	33.4%	0	0	0	0	0	0	0	0	0	0	0.001	0.021	0.005	0.003	0.006	0.009	0.012	0.015	0.009	0.002	0	0	0.021	
Wheat	25.6 ha	80.0%	0.007	0.010	0.013	0.018	0.023	0.016	0.002	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Legume (L)	0 ha	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Mustard	0 ha	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Potatoes	3.2 ha	10.0%	0.001	0.001	0.002	0.002	0.001	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Maize	0 ha	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Total in m ³ /sec for	60.8 ha	190%	0.008	0.011	0.015	0.020	0.024	0.016	0.002	0	0	0.003	0.021	0.029	0.025	0.010	0.009	0.017	0.027	0.030	0.028	0.011	0.002	0.001	0.004	
Average diversion requirement in lit/sec/ha			0.244	0.345	0.465	0.610	0.740	0.486	0.071	0	0	0.091	0.668	0.913	0.782	0.310	0.295	0.539	0.838	0.933	0.862	0.349	0.055	0.042	0.112	0.933
Monthly average requirement (m ³ /sec)			0.009	0.009	0.017	0.020	0.020	0.001	0.001	0	0	0.012	0.027	0.027	0.010	0.010	0.022	0.022	0.022	0.029	0.029	0.006	0.006	0.002	0.029	
Monthly requirement	1,000 m ³		25.4	41.2	41.2	52.2	52.2	2.9	2.9	0	0	31.5	72.5	72.5	259	259	57.1	57.1	76.8	76.8	16.8	16.8	6.7	6.7	409	in total
Available Discharge			0.040	0.032	0.032	0.028	0.028	0.029	0.029	0.037	0.037	0.108	0.314	0.314	0.452	0.452	0.359	0.359	0.359	0.163	0.163	0.080	0.080	0.055		
Deficit			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Ratio			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
80% Reliable Discharge			0.029	0.020	0.020	0.017	0.017	0.018	0.018	0.021	0.021	0.040	0.215	0.215	0.336	0.336	0.281	0.281	0.281	0.128	0.128	0.064	0.064	0.041		
Deficit			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Ratio			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Table 3-7.2 (4/4) Irrigation Water Requirement for Present Cropping Pattern in Zone - B (4/4)

Unit Crops with Conveyance Efficiency = 80%	(After Improvement)												Max.	Remarks													
	Jan.		Feb.		Mar.		Apr.		May		Jun.				Jul.		Aug.		Sep.		Oct.		Nov.		Dec.		
	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late			Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	
Paddy (L) 2/3 of total paddy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.306		
Paddy (L) 1/3 of total paddy	0.271	0.387	0.518	0.701	0.902	0.608	0.088	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.928		
Wheat	0.209	0.248	0.402	0.470	0.203	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.902		
Legume (L) (Bean/Pea)	0.342	0.364	0.431	0.192	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.470		
Mustard	0.275	0.346	0.506	0.498	0.187	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.431		
Potatoes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.506		
Maize	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Name of Scheme: AB-12 Kutudhal																											
Net Irrigation Area: 43 ha																											
% Diversion Water Requirement in m ³ /sec																											
Paddy	0	0	0	0	0	0	0	0	0	0	0.004	0.029	0.087	0.006	0.007	0.008	0.015	0.024	0.025	0.017	0.003	0	0	0	0	0	0.037
Paddy (L)	0	0	0	0	0	0	0	0	0	0	0	0	0.002	0.028	0.006	0.004	0.008	0.012	0.015	0.020	0.012	0	0	0	0	0	0.028
Wheat	0.009	0.013	0.018	0.024	0.031	0.021	0.003	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.031	
Legume (L)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Mustard	0.000	0.000	0.000	0.000	0.000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.000	
Potatoes	0.002	0.002	0.003	0.003	0.001	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.000	
Maize	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.000	
Total in m ³ /sec for	0.011	0.016	0.021	0.027	0.032	0.021	0.003	0	0	0	0.004	0.029	0.039	0.033	0.013	0.013	0.023	0.036	0.040	0.037	0.015	0.002	0.002	0.005	0.040	0.040	
Average diversion requirement in lit/sec/ha	0.260	0.363	0.489	0.629	0.746	0.486	0.071	0	0	0	0.091	0.670	0.915	0.779	0.310	0.295	0.539	0.838	0.933	0.860	0.347	0.055	0.045	0.119	0.933		
Monthly average requirement (m ³ /sec)	0.013	0.024	0.026	0.026	0.026	0.026	0.002	0.002	0	0	0.016	0.056	0.056	0.056	0.013	0.013	0.030	0.030	0.030	0.039	0.009	0.009	0.004	0.004	0.039		
Monthly requirement	36.0	57.7	70.5	70.5	70.5	70.5	3.9	3.9	0	0	42.4	97.3	97.3	97.3	34.8	34.8	76.8	76.8	103.1	22.4	22.4	9.6	9.6	555	555 in total		
Available Discharge																											
Mean Discharge (1963-1986)	0.027	0.011	0.008	0.018	0.008	0.018	0.018	0.018	0.018	0.018	0.035	0.134	0.494	0.868	0.613	0.613	0.613	0.613	0.165	0.112	0.112	0.063	0.063	0.063	0.063		
Deficit Ratio	-	53.2%	68.1%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
80% Reliable Discharge	0.004	0.004	0.002	0.005	0.002	0.002	0.002	0.002	0.002	0.002	0.006	0.011	0.283	0.620	0.445	0.445	0.445	0.445	0.088	0.080	0.080	0.035	0.035	0.035	0.035		
Deficit Ratio	70.1%	91.7%	92.4%	-	-	-	-	-	-	-	-	32.8%	-	-	-	-	-	-	-	-	-	-	-	-	-		

Table 3-8 Irrigation Water Requirement for Cropping Pattern Proposed In Kotkhu Water Supply Project (Zone - A)
(After Improvement)

Unit Crops with Conveyance Efficiency = 80%	Jan.		Feb.		Mar.		Apr.		May		Jun.		Jul.		Aug.		Sep.		Oct.		Nov.		Dec.		Max. Remarks	
	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late		
Paddy 2/3 of total paddy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.306	
Paddy (L)	0.199	0.395	0.573	0.760	0.948	0.575	0.077	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.928	
Wheat	0.137	0.255	0.457	0.515	0.214	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.948	
Legume (L) (Bean/Pea)	0.270	0.371	0.486	0.222	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.515	
Mustard	0.203	0.353	0.562	0.542	0.198	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.486	
Potatoes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.562	
Maize	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.027	
Name of Scheme : AL-10 Kotkhu																										
(For Assumed Cropping Pattern by the Kotkhu Water Supply Project)																										
Net Irrigation Area :																										
Paddy	246ha	164 ha	66.7%																							
Paddy (L)	82 ha	33.3%																								
Wheat	233.7 ha	95.0%																								
Beans (Vegetables)	12.3 ha	5.0%																								
Mustard	0 ha																									
Potatoes	0 ha																									
Maize	0 ha																									
Total in m ³ /sec for	492 ha	200%																								
Average diversion requirement in lit/sec/ha	0.196	0.388	0.567	0.748	0.911	0.546	0.073	0	0	0	0.097	0.669	0.914	0.780	0.434	0.751	0.610	1.005	0.929	0.810	0.348	0.055	0.046	0.124	1.005	
Monthly average requirement (m ³ /sec)	0.072	0.162	0.179	0.179	0.162	0.179	0.099	0	0	0.094	0.208	0.208	0.208	0.208	0.146	0.199	0.199	0.199	0.214	0.214	0.050	0.050	0.021	0.021	0.214	
Monthly requirement	194.4	387.5	476.1	476.1	387.5	476.1	23.2	0	0	244	556.9	556.9	556.9	556.9	393.8	514.8	514.8	514.8	571.9	571.9	128.6	128.6	57.0	57.0	3,549 in total	
Available Discharge																										
Mean Discharge (1963-1986)	0.155	0.113	0.099	0.099	0.113	0.099	0.127	0.167	0.167	0.167	0.429	1.273	1.273	1.273	1.929	1.929	1.929	1.929	1.481	1.481	0.602	0.602	0.338	0.338	0.236	0.236
Deficit	-	0.049	0.080	0.080	0.049	0.080	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ratio	-	30.2%	44.9%	44.9%	30.2%	44.9%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
80% Reliable Discharge	0.105	0.070	0.061	0.061	0.105	0.061	0.080	0.093	0.093	0.093	0.141	0.832	0.832	0.832	1.408	1.408	1.408	1.408	1.129	1.129	0.452	0.452	0.269	0.269	0.176	0.176
Deficit	-	0.092	0.118	0.118	0.092	0.118	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ratio	-	56.7%	66.0%	66.0%	56.7%	66.0%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 3-9.1 (1/3)

Irrigation Requirement of Present Cropping Pattern in Zone - A (1/3)

Unit	Jan.		Feb.		Mar.		Apr.		May		Jun.		Jul.		Aug.		Sep.		Oct.		Nov.		Dec.		Remarks
	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	
Unit Diversion Requirement (lit/sec/ha)																									
Crops with Conveyance Efficiency = 60%																									
Paddy	2/3 of total paddy																								
Paddy (L)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.742
Wheat	1/3 of total paddy																								
Wheat (L)	0.266	0.526	0.764	1.013	1.264	0.102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.571
Legume (L)	0.182	0.340	0.610	0.687	0.285	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.264
Mustard	0.360	0.495	0.649	0.296	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.687
Potatoes	0.271	0.470	0.749	0.723	0.264	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.649
Maize	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.749
Name of Scheme : AB-10 Katunje																									
Net Irrigation Area : 40 ha % Diversion Water Requirement in m ³ /sec																									
Paddy	38ha	25.3 ha	63.3%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Paddy (L)	12.7 ha	31.8%	0.008	0.016	0.023	0.030	0.037	0.023	0.003	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Legume (L)	0 ha	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mustard	2 ha	5.0%	0.001	0.001	0.001	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potatoes	6 ha	15.0%	0.002	0.003	0.004	0.004	0.002	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Maize	2.4 ha	6.0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total in m ³ /sec for	78 ha	195%	0.010	0.019	0.028	0.035	0.039	0.023	0.003	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Average diversion requirement in lit/sec/ha	0.755	0.485	0.710	0.873	0.975	0.567	0.076	0	0	0	0.123	0.847	1.157	0.990	0.550	0.951	0.773	1.275	1.177	1.027	0.442	0.403	0.002	0.006	0.051
Monthly average requirement (m ³ /sec)	0.015	0.032	0.091	0.032	0.032	0.091	0.076	0	0	0	0.019	0.043	0.043	0.041	0.050	0.090	0.041	0.041	0.044	0.044	0.010	0.010	0.004	0.004	0.044
Monthly requirement	1,000 m ³	40.0	76.1	81.9	81.9	81.9	3.9	3.9	3.9	50.3	114.7	114.7	106.2	117.8	117.8	26.5	26.5	26.5	26.5	11.9	11.9	710	710	710	710
Available Discharge	1,000 m ³	0.016	0.011	0.009	0.009	0.009	0.016	0.016	0.022	0.045	0.131	0.131	0.157	0.157	0.224	0.224	0.157	0.157	0.157	0.056	0.056	0.029	0.029	0.029	0.029
Deficit	m ³ /sec	-	0.021	0.021	0.021	0.021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ratio	m ³ /sec	-	66.5%	69.7%	69.7%	69.7%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
80% Reliable Discharge	m ³ /sec	0.010	0.006	0.006	0.006	0.006	0.010	0.010	0.012	0.013	0.072	0.072	0.112	0.112	0.157	0.157	0.112	0.112	0.112	0.042	0.042	0.022	0.022	0.022	0.022
Deficit	m ³ /sec	0.005	0.026	0.025	0.025	0.025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ratio	%	32.4%	81.1%	80.5%	80.5%	80.5%	-	-	-	33.0%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Name of Scheme : AB-14 Mahadev Khola																									
Net Irrigation Area : 112 ha % Diversion Water Requirement in m ³ /sec																									
Paddy	109.8ha	73.2 ha	65.4%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Paddy (L)	36.6 ha	32.7%	0.024	0.047	0.068	0.091	0.113	0.069	0.009	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wheat	89.6 ha	80.0%	0.001	0.001	0.002	0.002	0.001	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Beans	3.4 ha	3.0%	0.002	0.003	0.004	0.002	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mustard	5.6 ha	5.0%	0.002	0.003	0.004	0.002	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potatoes	5.6 ha	5.0%	0.002	0.003	0.004	0.004	0.001	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Maize	2.2 ha	2.0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total in m ³ /sec for	216.2 ha	193%	0.028	0.054	0.078	0.099	0.116	0.069	0.009	0	0	0	0.014	0.098	0.134	0.114	0.064	0.110	0.089	0.147	0.136	0.119	0.051	0.008	0.017
Average diversion requirement in lit/sec/ha	0.249	0.480	0.700	0.883	1.033	0.613	0.082	0	0	0	0.127	0.875	1.195	1.020	0.568	0.981	0.797	1.314	1.215	1.059	0.455	0.072	0.060	0.156	
Monthly average requirement (m ³ /sec)	0.041	0.089	0.092	0.089	0.089	0.092	0.005	0.005	0.005	0.056	0.124	0.124	0.087	0.118	0.087	0.118	0.118	0.118	0.127	0.030	0.030	0.012	0.012	0.127	
Monthly requirement	1,000 m ³	110.5	212.6	244.8	244.8	244.8	11.9	11.9	11.9	145.5	331.4	331.4	234.3	306.5	306.5	76.5	76.5	76.5	76.5	33.0	33.0	2,047	2,047	2,047	
Available Discharge	1,000 m ³	0.046	0.028	0.024	0.024	0.024	0.037	0.037	0.049	0.122	0.370	0.370	0.560	0.430	0.560	0.430	0.430	0.430	0.430	0.173	0.173	0.069	0.069	0.069	
Deficit	m ³ /sec	-	0.061	0.068	0.068	0.068	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ratio	%	-	68.3%	74.2%	74.2%	74.2%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
80% Reliable Discharge	m ³ /sec	0.091	0.014	0.009	0.009	0.009	0.023	0.023	0.027	0.036	0.241	0.241	0.409	0.328	0.409	0.328	0.328	0.328	0.328	0.127	0.127	0.079	0.079	0.052	0.052
Deficit	m ³ /sec	0.010	0.075	0.083	0.083	0.083	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ratio	%	24.1%	84.2%	90.2%	90.2%	90.2%	-	-	-	35.9%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 3-9.1 (2/3) Irrigation Requirement of Present Cropping Pattern in Zone - A (2/3)

Unit	Jan		Feb		Mar		Apr		May		Jun		Jul		Aug		Sep		Oct		Nov		Dec		Max.	Remarks	
	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late			
Unit Diversion Requirement (lit/sec/ha)	60%																										
Crops with Conveyance Efficiency =	60%																										
Paddy	2/3 of total paddy																										
Paddy (L)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.742
Wheat	1/3 of total paddy																										
Wheat (L)	0.266	0.526	0.764	1.013	1.264	0.766	0.102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.571
Legume (L)	0.182	0.340	0.610	0.687	0.285	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.264
Mustard	0.360	0.495	0.649	0.296	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.687
Potatoes	0.271	0.470	0.749	0.723	0.264	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.649
Maize	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.749
Maize	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.056
Name of Scheme: AL-10 Kotkhu																											
Net Irrigation Area:	246 ha																										
% Diversion Water Requirement in m ³ /sec	%																										
Paddy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.263
Paddy (L)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.194
Wheat	0.043	0.085	0.124	0.165	0.205	0.124	0.017	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.205
Legume (L)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mustard	0.011	0.015	0.019	0.009	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.019
Potatoes	0.008	0.014	0.022	0.021	0.008	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.022
Maize	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.001
Total in m ³ /sec for	462.5 ha 188%																										
Average diversion requirement in lit/sec/ha	0.251																										
Monthly average requirement (m ³ /sec)	0.088																										
Monthly requirement	1,000 m ³																										
Available Discharge	237.6																										
Mean Discharge (1963-1986)	0.155																										
Deficit	0.067																										
Ratio	41.5%																										
80% Reliable Discharge	0.105																										
Deficit	0.110																										
Ratio	61.1%																										
Monthly requirement	1,000 m ³																										
Available Discharge	237.6																										
Mean Discharge (1963-1986)	0.155																										
Deficit	0.067																										
Ratio	41.5%																										
80% Reliable Discharge	0.105																										
Deficit	0.110																										
Ratio	61.1%																										
Name of Scheme: AL-13 Lubhu																											
Net Irrigation Area:	130 ha																										
% Diversion Water Requirement in m ³ /sec	%																										
Paddy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.140
Paddy (L)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.104
Wheat	0.022	0.044	0.065	0.086	0.107	0.065	0.009	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.107
Beans	0.004	0.007	0.012	0.013	0.006	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.013
Mustard	0.002	0.003	0.004	0.002	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.004
Potatoes	0.002	0.003	0.005	0.005	0.002	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.005
Maize	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.000
Total in m ³ /sec for	244.4 ha 188%																										
Average diversion requirement in lit/sec/ha	0.231																										
Monthly average requirement (m ³ /sec)	0.044																										
Monthly requirement	1,000 m ³																										
Available Discharge	118.3																										
Mean Discharge (1963-1986)	0.055																										
Deficit	0.052																										
Ratio	54.4%																										
80% Reliable Discharge	0.040																										
Deficit	0.004																										
Ratio	8.5%																										
Monthly requirement	1,000 m ³																										
Available Discharge	118.3																										
Mean Discharge (1963-1986)	0.055																										
Deficit	0.052																										
Ratio	54.4%																										
80% Reliable Discharge	0.040																										
Deficit	0.004																										
Ratio	8.5%																										

Table 3-9.1 (3/3)

Irrigation Requirement of Present Cropping Pattern in Zone - A (3/3)

Unit	Diversion Requirement (lit/sec/ha)	Conveyance Efficiency = 60%	Jan.		Feb.		Mar.		Apr.		May		Jun		Jul		Aug.		Sep.		Oct.		Nov.		Dec.		Max.	Remarks	
			Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late			Early
Paddy	2/3 of total paddy		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.742		
Paddy (L)	1/3 of total paddy		0.266	0.526	0.764	1.013	1.264	0.766	0.102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.571	
Wheat			0.182	0.340	0.610	0.687	0.285	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.264	
Legume (L)	(Bean/Pea)		0.360	0.495	0.649	0.296	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.687	
Mustard			0.271	0.470	0.749	0.723	0.264	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.649	
Potatoes			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.749	
Maize			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.036	

Name of Scheme: AL-19 Thika Bhalraw (1)

Net Irrigation Area:	497 ha	Diversion Water Requirement in m ³ /sec	
		%	
Paddy	432.4ha	88.0%	0
Paddy (L)	144.1 ha	29.0%	0
Wheat	372.8 ha	75.0%	0.099
Beans	14.9 ha	3.0%	0.003
Mustard	39.8 ha	8.0%	0.014
Potatoes	44.7 ha	9.0%	0.012
Maize	54.7 ha	11.0%	0
Total in m ³ /sec for	999.3 ha	19%	0.128
Average diversion requirement in lit/sec/ha			0.258
Monthly average requirement			0.185
Monthly requirement	1,000 m ³		500.7
Available Discharge			0.478
Deficit			0.522
Ratio			13.4%
80% Reliable Discharge			0.327
Deficit			0.673
Ratio			52.4%

Name of Scheme: AL-20 Thika Bhalraw (2)

Net Irrigation Area:	88 ha	Diversion Water Requirement in m ³ /sec	
		%	
Paddy	86.2ha	65.3%	0
Paddy (L)	28.7 ha	32.6%	0
Wheat	74.8 ha	85.0%	0.020
Beans	1.8 ha	2.0%	0.001
Mustard	1.8 ha	2.0%	0.001
Potatoes	2.6 ha	3.0%	0.001
Maize	0 ha	0%	0
Total in m ³ /sec for	167.2 ha	190%	0.022
Average diversion requirement in lit/sec/ha			0.245
Monthly average requirement			0.082
Monthly requirement	1,000 m ³		86.1
Available Discharge			0.491
Deficit			0.509
Ratio			22.9%
80% Reliable Discharge			0.297
Deficit			0.703
Ratio			41.8%

Table 3-9.2 (1/4)

Irrigation Requirement of Present Cropping Pattern in Zone - B (1/4)

(With a Conveyance Efficiency before Rehabilitation)

Unit	Diversion Requirement (lit/sec/ha)	Crops with Conveyance Efficiency = 60%	Jan.		Feb.		Mar.		Apr.		May		Jun.		Jul.		Aug.		Sep.		Oct.		Nov.		Dec.		Max.	Remarks
			Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late		
Paddy	2/3 of total paddy		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.742	
Paddy (L)	1/3 of total paddy		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.571	
Wheat			0.362	0.517	0.691	0.934	1.203	0.810	1.118	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.062	0.166
Legume (L)	(Bean/Pea)		0.278	0.330	0.596	0.627	0.270	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.058	0.154
Mustard			0.456	0.486	0.575	0.256	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.116	0.206
Potatoes			0.367	0.461	0.675	0.664	0.249	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.064	0.170
Maize			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.064	0.170

Name of Scheme : AK-04 Biswambhara

Net Irrigation Area :	52 ha	% Diversion Water Requirement in m ³ /sec	Jan.		Feb.		Mar.		Apr.		May		Jun.		Jul.		Aug.		Sep.		Oct.		Nov.		Dec.		Max.	Remarks				
			Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late						
Paddy	82.8ha	52 ha 60.0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.096			
Paddy (L)	27.6 ha	30.0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.071			
Wheat	68.1 ha	74.0%	0.025	0.035	0.047	0.064	0.082	0.055	0.008	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.082			
Legume (L)	0 ha		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Mustard	9.2 ha	10.0%	0.004	0.004	0.005	0.002	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.001	0.002		
Potatoes	11 ha	12.0%	0.004	0.005	0.007	0.007	0.003	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.001	0.002		
Maize	9.2 ha	10.0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.001	0.002		
Total in m ³ /sec for	180.3 ha	196%	0.033	0.045	0.060	0.073	0.085	0.055	0.008	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.006	0.015		
Average diversion requirement in lit/sec/ha			0.357	0.486	0.649	0.797	0.920	0.600	0.087	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.066	0.164			
Monthly average requirement (m ³ /sec)			0.039	0.067	0.067	0.067	0.070	0.070	0.004	0.004	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.022	0.011				
Monthly requirement	1,000 m ³		104.4	159.7	186.0	186.0	186.0	10.4	10.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	264.9	57.7	28.6	1,457 in total		
Available Discharge			0.081	0.064	0.056	0.056	0.056	0.058	0.058	0.075	0.075	0.075	0.075	0.075	0.075	0.075	0.075	0.075	0.075	0.075	0.075	0.075	0.075	0.075	0.075	0.075	0.075	0.075	0.075	0.075	0.075	
Deficit Ratio			4.0%	4.0%	4.0%	4.0%	4.0%	4.0%	4.0%	4.0%	4.0%	4.0%	4.0%	4.0%	4.0%	4.0%	4.0%	4.0%	4.0%	4.0%	4.0%	4.0%	4.0%	4.0%	4.0%	4.0%	4.0%	4.0%	4.0%	4.0%	4.0%	
80% Reliable Discharge			0.059	0.040	0.040	0.040	0.040	0.037	0.037	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042
Deficit Ratio			39.9%	39.9%	39.9%	39.9%	39.9%	39.9%	39.9%	39.9%	39.9%	39.9%	39.9%	39.9%	39.9%	39.9%	39.9%	39.9%	39.9%	39.9%	39.9%	39.9%	39.9%	39.9%	39.9%	39.9%	39.9%	39.9%	39.9%	39.9%	39.9%	

Name of Scheme : AK-05 Boshan

Net Irrigation Area :	122 ha	% Diversion Water Requirement in m ³ /sec	Jan.		Feb.		Mar.		Apr.		May		Jun.		Jul.		Aug.		Sep.		Oct.		Nov.		Dec.		Max.	Remarks				
			Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late						
Paddy	122ha	81.3 ha 66.6%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.142		
Paddy (L)	40.7 ha	33.4%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.105		
Wheat	70.8 ha	58.0%	0.026	0.037	0.049	0.066	0.085	0.057	0.008	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.085		
Legume (L)	0 ha		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Mustard	34.2 ha	28.0%	0.016	0.017	0.020	0.009	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.020		
Potatoes	12.2 ha	10.0%	0.004	0.006	0.008	0.008	0.003	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.008		
Maize	0 ha		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Total in m ³ /sec for	239.2 ha	196%	0.046	0.059	0.077	0.083	0.088	0.057	0.008	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.152		
Average diversion requirement in lit/sec/ha			0.374	0.482	0.629	0.680	0.723	0.470	0.068	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.171		
Monthly average requirement (m ³ /sec)			0.052	0.080	0.080	0.073	0.073	0.004	0.004	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.015	0.146		
Monthly requirement	1,000 m ³		140.5	192.8	192.8	193.6	10.8	10.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	390.4	85.1	40.7	2,004 in total	
Available Discharge			0.135	0.115	0.105	0.105	0.108	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	0.128	
Deficit Ratio			4.0%	4.0%	4.0%	4.0%	4.0%	4.0%	4.0%	4.0%	4.0%	4.0%	4.0%	4.0%	4.0%	4.0%	4.0%	4.0%	4.0%	4.0%	4.0%	4.0%	4.0%	4.0%	4.0%	4.0%	4.0%	4.0%	4.0%	4.0%	4.0%	
80% Reliable Discharge			0.109	0.086	0.080	0.080	0.083	0.089	0.089	0.089	0.089	0.089	0.089	0.089	0.089	0.089	0.089	0.089	0.089	0.089	0.089	0.089	0.089	0.089	0.089	0.089	0.089	0.089	0.089	0.089	0.089	0.089
Deficit Ratio			39.9%	39.9%	39.9%	39.9%	39.9%	39.9%	39.9%	39.9%	39.9%	39.9%	39.9%	39.9%	39.9%	39.9%	39.9%	39.9%	39.9%	39.9%	39.9%	39.9%	39.9%	39.9%	39.9%	39.9%	39.9%	39.9%	39.9%	39.9%	39.9%	

Table 3-9.2 (2/4)

Irrigation Requirement of Present Cropping Pattern in Zone - B (2/4)

Unit	Jan.		Feb.		Mar.		Apr.		May		Jun.		Jul.		Aug.		Sep.		Oct.		Nov.		Dec.		Max.	Remarks	
	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late			
Crops with Conveyance Efficiency = 60%																											
Crops with Conveyance Efficiency before Rehabilitation)																											
Paddy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.742	
Paddy (L)	0.362	0.517	0.691	0.934	1.203	0.810	0.1118	0	0	0	0	0	0	0.174	2.571	0.573	0.393	0.719	1.145	1.433	1.873	1.117	0.221	0	0	0	2.571
Wheat	0.278	0.330	0.536	0.627	0.270	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.203	
Legume (L)	0.456	0.486	0.575	0.256	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.627	
Mustard	0.567	0.461	0.675	0.664	0.249	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.154	
Potatoes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.575	
Maize	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.675	

Name of Scheme : AK-07 Dakshinkali

Net Irrigation Area :	Diversion Water Requirement in m ³ /sec																										
	67 ha	44.7 ha	66.7%																								
Paddy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.078	
Paddy (L)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.057	
Wheat	0.005	0.008	0.010	0.014	0.018	0.012	0.002	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.018
Pea	0.007	0.008	0.013	0.016	0.007	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.016
Mustard	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Potatoes	0.001	0.001	0.001	0.001	0.000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.001
Maize	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total in m ³ /sec for	0.013	0.017	0.025	0.031	0.025	0.012	0.002	0	0	0	0.008	0.060	0.078	0.012	0.015	0.018	0.032	0.049	0.051	0.055	0.006	0	0	0	0	0	0.083
Average diversion requirement in lit/sec/ha	0.193	0.249	0.370	0.457	0.371	0.178	0.026	0	0	0	0.121	0.893	1.220	1.059	0.414	0.395	0.719	1.117	1.244	1.147	0.464	0.074	0.087	0.099	1.244		
Monthly average requirement (m ³ /sec)	0.015	0.028	0.028	0.018	0.018	0.001	0.001	0	0	0	0.054	0.076	0.076	0.076	0.027	0.027	0.062	0.062	0.062	0.018	0.018	0.005	0.005	0.005	0.080	0.080	
Monthly requirement	1,000 m ³	39.9	66.5	48.7	48.7	2.2	2.2	0	0	0	88.1	202.2	202.2	202.2	72.3	72.3	159.5	159.5	214.3	46.6	46.6	12.3	12.3	953	953 in total		
Available Discharge	m ³ /sec	0.146	0.099	0.083	0.083	0.115	0.115	0.152	0.152	0.152	0.411	1.216	1.216	1.216	1.811	1.811	1.411	1.411	0.603	0.312	0.312	0.216	0.216	0	0		
Deficit	m ³ /sec	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Ratio	%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
80% Reliable Discharge	m ³ /sec	0.102	0.051	0.040	0.040	0.072	0.072	0.085	0.085	0.085	0.137	0.816	0.816	0.816	1.340	1.340	1.091	1.091	0.459	0.249	0.249	0.162	0.162	0	0		
Deficit	m ³ /sec	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Ratio	%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Name of Scheme : AK-14 Indrayani

Net Irrigation Area :	Diversion Water Requirement in m ³ /sec																										
	101 ha																										
Paddy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.115
Paddy (L)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.085
Wheat	0.028	0.041	0.054	0.074	0.095	0.064	0.009	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.095
Legume (L)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Mustard	0.001	0.001	0.001	0.001	0.001	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.001
Potatoes	0.007	0.008	0.012	0.012	0.005	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.012
Maize	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total in m ³ /sec for	0.036	0.050	0.068	0.086	0.099	0.064	0.009	0	0	0	0.012	0.088	0.121	0.103	0.041	0.039	0.071	0.111	0.123	0.114	0.046	0.007	0.006	0.017	0.123		
Average diversion requirement in lit/sec/ha	0.357	0.496	0.672	0.854	0.983	0.632	0.092	0	0	0	0.119	0.875	1.195	1.020	0.406	0.386	0.705	1.095	1.220	1.125	0.455	0.072	0.062	0.164	1.220		
Monthly average requirement (m ³ /sec)	0.043	0.077	0.077	0.082	0.082	0.005	0.005	0	0	0	0.050	0.112	0.112	0.112	0.040	0.040	0.091	0.091	0.118	0.118	0.027	0.027	0.011	0.011	0.118		
Monthly requirement	1,000 m ³	116.0	184.8	216.9	216.9	12.0	12.0	0	0	0	130.1	298.8	298.8	298.8	106.9	106.9	235.6	235.6	316.7	69.0	69.0	31.1	31.1	1,718	1,718 in total		
Available Discharge	m ³ /sec	0.077	0.057	0.049	0.049	0.058	0.058	0.076	0.076	0.076	0.213	0.624	0.624	0.624	0.912	0.912	0.719	0.719	0.319	0.159	0.159	0.109	0.109	0	0		
Deficit	m ³ /sec	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Ratio	%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
80% Reliable Discharge	m ³ /sec	0.055	0.033	0.027	0.027	0.037	0.037	0.042	0.042	0.042	0.076	0.425	0.425	0.425	0.676	0.676	0.559	0.559	0.247	0.127	0.127	0.088	0.088	0	0		
Deficit	m ³ /sec	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Ratio	%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Table 3-9.2 (3/4)

Irrigation Requirement of Present Cropping Pattern in Zone - B (3/4)

(With a Conveyance Efficiency before Rehabilitation)

Unit	Jan.		Feb.		Mar.		Apr.		May		Jun		Jul.		Aug.		Sep.		Oct.		Nov.		Dec.		Max.	Remarks		
	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late				
Unit Diversion Requirement (lit/sec/ha)																												
Crops with Conveyance Efficiency = 60%																												
Paddy	2/3 of total paddy																											
Paddy (L)	0.362	0.517	0.691	0.934	1.203	0.810	0.118	0	0	0	0	0	0	0.174	2.571	0.573	0.393	0.719	1.145	1.453	1.873	1.117	0.221	0	0	1.742		
Wheat	0.278	0.330	0.536	0.627	0.270	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.062	0.166	1.203
Legume (L)	(Bean/Pea)																											
Mustard	0.456	0.486	0.575	0.256	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.058	0.154	0.627
Potatoes	0.367	0.461	0.675	0.664	0.249	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.116	0.206	0.575
Maize	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.064	0.170	0.675
Name of Scheme : AK-25 Shali Nadi																												
Net Irrigation Area :	157 ha																											
% Diversion Water Requirement in m ³ /sec																												
Paddy	0	0	0	0	0	0	0	0	0	0	0.019	0.140	0.182	0.029	0.055	0.041	0.075	0.116	0.120	0.082	0.014	0	0	0	0	0	0	0.182
Paddy (L)	0	0	0	0	0	0	0	0	0	0	0	0	0	0.009	0.134	0.030	0.021	0.088	0.060	0.075	0.098	0.058	0.012	0	0	0	0.134	
Wheat	0.028	0.041	0.054	0.073	0.094	0.064	0.009	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.005	0.013	0.094
Legume (L)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mustard	0.004	0.004	0.005	0.002	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.001	0.002	0.005
Potatoes	0.030	0.038	0.055	0.054	0.020	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.005	0.014	0.055
Maize	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total in m ³ /sec for	0.062	0.082	0.114	0.130	0.115	0.064	0.009	0	0	0	0.019	0.140	0.191	0.163	0.065	0.062	0.113	0.175	0.195	0.180	0.073	0.012	0.011	0.029	0	0	0.195	
Average diversion requirement in lit/sec/ha	0.395	0.522	0.725	0.825	0.731	0.405	0.059	0	0	0	0.121	0.893	1.230	1.040	0.414	0.393	0.719	1.117	1.244	1.148	0.464	0.074	0.070	0.182	1.244			
Monthly average requirement (m ³ /sec)	0.072	0.122	0.122	0.122	0.122	0.089	0.005	0.005	0	0	0.080	0.177	0.177	0.177	0.063	0.063	0.144	0.144	0.188	0.188	0.042	0.042	0.020	0.020	0.188			
Monthly requirement	193.6	293.0	293.0	293.0	293.0	236.6	12.0	12.0	0	0	206.3	473.8	473.8	473.8	169.5	169.5	373.6	373.6	502.2	502.2	109.3	109.3	53.6	53.6	2,624 in total			
Available Discharge	0.197	0.153	-	-	-	0.133	0.143	0.186	0.186	0.186	0.526	1.540	1.540	2.234	2.234	1.768	1.768	0.793	0.793	-	-	-	-	-	0.269			
Deficit	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Ratio	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
80% Reliable Discharge	0.142	0.094	-	-	-	0.081	0.091	0.104	0.104	0.104	0.191	1.052	1.052	1.658	1.658	1.378	1.378	0.617	0.617	-	-	-	-	-	0.203			
Deficit	-	-	-	-	-	0.028	0.008	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Ratio	-	-	-	-	-	22.8%	9.1%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Name of Scheme : AB-02 Bidol																												
Net Irrigation Area :	32 ha																											
% Diversion Water Requirement in m ³ /sec																												
Paddy	0	0	0	0	0	0	0	0	0	0	0.004	0.029	0.037	0.006	0.007	0.008	0.015	0.024	0.024	0.017	0.003	0	0	0	0	0	0.037	
Paddy (L)	0	0	0	0	0	0	0	0	0	0	0	0	0	0.002	0.028	0.006	0.004	0.008	0.012	0.015	0.020	0.012	0.002	0	0	0.028		
Wheat	0.009	0.013	0.018	0.024	0.031	0.021	0.003	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.002	0.004	0.031
Legume (L)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Mustard	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Potatoes	0.001	0.001	0.002	0.002	0.001	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.000	0.001	0.002
Maize	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total in m ³ /sec for	0.010	0.015	0.020	0.026	0.032	0.021	0.003	0	0	0	0.004	0.029	0.039	0.033	0.013	0.013	0.023	0.036	0.040	0.037	0.015	0.002	0.002	0.002	0.002	0.040		
Average diversion requirement in lit/sec/ha	0.326	0.459	0.620	0.814	0.987	0.648	0.094	0	0	0	0.121	0.891	1.218	1.043	0.414	0.393	0.719	1.117	1.245	1.149	0.465	0.074	0.056	0.150	1.245			
Monthly average requirement (m ³ /sec)	0.013	0.023	0.023	0.023	0.023	0.026	0.002	0.002	0	0	0.016	0.036	0.036	0.036	0.013	0.013	0.029	0.029	0.038	0.038	0.009	0.009	0.003	0.003	0.038			
Monthly requirement	33.8	55.0	55.0	55.0	55.0	69.6	3.9	3.9	0	0	42.0	96.6	96.6	96.6	34.6	34.6	76.2	76.2	102.4	102.4	22.3	22.3	8.9	8.9	545 in total			
Available Discharge	0.040	0.032	-	-	-	0.028	0.029	0.037	0.037	0.037	0.108	0.314	0.314	0.452	0.452	0.359	0.359	0.163	0.163	-	-	-	-	-	0.055			
Deficit	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Ratio	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
80% Reliable Discharge	0.029	0.020	-	-	-	0.017	0.018	0.021	0.021	0.021	0.040	0.215	0.215	0.336	0.336	0.281	0.281	0.128	0.128	-	-	-	-	-	0.041			
Deficit	-	-	-	-	-	0.003	0.009	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Ratio	-	-	-	-	-	12.8%	35.0%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

Table 3-9.2 (4/4)

Irrigation Requirement of Present Cropping Pattern in Zone - B (4/4)

Unit	Jan.		Feb.		Mar.		Apr.		May		Jun		Jul		Aug.		Sep.		Oct.		Nov.		Dec.		Max.	Remarks		
	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late				
Unit Diversion Requirement (lit/sec/ha)	60%																											
Crops with Conveyance Efficiency =	2/3 of total paddy																											
Paddy (L)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.742	
Wheat	0.362	0.517	0.691	0.934	1.203	0.810	0.118	0	0	0	0	0	0	0.174	2.571	0.573	0.393	0.719	1.145	1.433	1.873	1.117	0.221	0	0	0	2.571	
Legume (L) (Bean/Pea)	0.278	0.330	0.536	0.627	0.270	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.203	
Mustard	0.456	0.486	0.575	0.256	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.627	
Potatoes	0.367	0.461	0.675	0.664	0.249	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.154	
Maize	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.575	
Name of Scheme : AB-12 Kutudhal																												
Net Irrigation Area : 43 ha																												
% Diversion Water Requirement in m ³ /sec																												
Paddy	0	0	0	0	0	0	0	0	0	0	0.005	0.038	0.050	0.008	0.010	0.011	0.021	0.032	0.033	0.023	0.004	0	0	0	0	0	0	0.050
Paddy (L)	0	0	0	0	0	0	0	0	0	0	0	0	0.002	0.037	0.008	0.006	0.010	0.016	0.020	0.027	0.016	0.003	0	0	0	0	0.037	
Wheat	0.012	0.018	0.024	0.032	0.041	0.028	0.004	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.041	
Legume (L)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Mustard	0.000	0.000	0.001	0.000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.001	
Potatoes	0.002	0.003	0.004	0.004	0.001	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.004	
Maize	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total in m ³ /sec for	0.015	0.021	0.028	0.036	0.043	0.028	0.004	0	0	0	0.005	0.038	0.052	0.045	0.018	0.017	0.031	0.048	0.053	0.049	0.020	0.003	0.003	0.007	0.007	0.007	0.053	
Average diversion requirement in lit/sec/ha	0.347	0.483	0.652	0.839	0.595	0.648	0.094	0	0	0	0.121	0.894	1.220	1.039	0.414	0.393	0.719	1.117	1.244	1.147	0.463	0.073	0.060	0.159	0.159	1.244		
Monthly average requirement (m ³ /sec)	0.018	0.032	0.032	0.035	0.035	0.035	0.002	0	0	0	0.022	0.049	0.049	0.049	0.017	0.017	0.039	0.039	0.051	0.012	0.012	0.005	0.005	0.005	0.005	0.051		
Monthly requirement	48.1	76.9	76.9	94.0	94.0	94.0	5.2	0	0	0	56.6	129.8	129.8	129.8	46.4	46.4	102.3	102.3	137.5	29.9	29.9	12.8	12.8	12.8	12.8	739 in total		
Available Discharge																												
Mean Discharge (1963-1986)	0.027	0.011	0.008	0.008	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.063	
Deficit	0.027	0.021	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	
Ratio	-	64.9%	76.1%	76.1%	76.1%	76.1%	76.1%	76.1%	76.1%	76.1%	76.1%	76.1%	76.1%	76.1%	76.1%	76.1%	76.1%	76.1%	76.1%	76.1%	76.1%	76.1%	76.1%	76.1%	76.1%	76.1%	76.1%	
80% Reliable Discharge	0.004	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	
Deficit	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	
Ratio	77.6%	93.8%	94.3%	94.3%	94.3%	94.3%	94.3%	94.3%	94.3%	94.3%	94.3%	94.3%	94.3%	94.3%	94.3%	94.3%	94.3%	94.3%	94.3%	94.3%	94.3%	94.3%	94.3%	94.3%	94.3%	94.3%	94.3%	
Name of Scheme : Average Present Cropping Pattern per 1,000 ha																												
Net Irrigation Area : 1,000 ha																												
% Diversion Water Requirement in m ³ /sec																												
Paddy	0	0	0	0	0	0	0	0	0	0	0.115	0.848	1.103	0.174	0.211	0.249	0.455	0.698	0.728	0.497	0.067	0	0	0	0	0	1.103	
Paddy (L)	0	0	0	0	0	0	0	0	0	0	0	0	0.055	0.815	0.182	0.125	0.228	0.363	0.454	0.594	0.354	0.070	0	0	0	0	0.815	
Wheat	0.249	0.356	0.477	0.645	0.830	0.559	0.081	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.830	
Legume (L)	0.008	0.010	0.016	0.019	0.008	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.019	
Mustard	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
Potatoes	0.048	0.060	0.088	0.086	0.092	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.088	
Maize	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total in m ³ /sec for	0.351	0.475	0.688	0.775	0.870	0.559	0.081	0	0	0	0.115	0.848	1.158	0.989	0.393	0.374	0.683	1.061	1.182	1.091	0.441	0.070	0.065	0.162	0.162	1.182		
Average diversion requirement in lit/sec/ha	0.351	0.475	0.638	0.775	0.870	0.559	0.081	0	0	0	0.115	0.848	1.158	0.989	0.393	0.374	0.683	1.061	1.182	1.091	0.441	0.070	0.065	0.162	0.162	1.182		
Monthly average requirement (m ³ /sec)	0.413	0.707	0.707	0.715	0.715	0.715	0.041	0	0	0	0.481	1.073	1.073	1.073	0.383	0.383	0.872	0.872	1.136	0.256	0.256	0.113	0.113	0.113	0.113	1.136		
Monthly requirement	1.11	1.70	1.70	1.90	1.90	1.90	0.11	0	0	0	1.25	2.87	2.87	2.87	1.03	1.03	2.26	2.26	3.04	0.66	0.66	0.31	0.31	0.31	0.31	16.23 in total		

Table 3-10 Irrigation Requirement for Cropping Pattern Proposed in Kotkhu Water Supply Project (Zone - A)
(With a Conveyance Efficiency before Rehabilitation)

Unit Diversion Requirement (lit/sec/ha) Crops with Conveyance Efficiency = 60%	Jan.		Feb.		Mar.		Apr.		May		Jun.		Jul.		Aug.		Sep.		Oct.		Nov.		Dec.		Max.	Remarks			
	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late					
Paddy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.742			
2/3 of total paddy	0.266	0.526	0.764	1.013	1.264	0.766	0.102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.062	0.166	1.264	
1/3 of total paddy	0.182	0.340	0.610	0.687	0.285	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.058	0.154	0.687	
Wheat	0.360	0.495	0.649	0.296	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.116	0.206	0.649	
Legume (L) (Bean/Pea)	0.271	0.470	0.749	0.723	0.264	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.064	0.170	0.749	
Mustard	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.096	0.170
Potatoes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.096
Maize	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.096

Name of Scheme : AL-10 Kotkhu (For Assumed Cropping Pattern by the Kotkhu Water Supply Project)

Net Irrigation Area : 246 ha	% Diversion Water Requirement in m ³ /sec	
	Early	Late
Paddy	0	0
Paddy (L)	0	0
Wheat	0.062	0.123
Beans (Vegetables)	0.002	0.004
Mustard	0	0
Potatoes	0	0
Maize	0	0
Total in m ³ /sec for	0.064	0.127
Average diversion requirement in lit/sec/ha	0.261	0.517
Monthly average requirement (m ³ /sec)	0.096	0.216
Monthly requirement	259.1	516.7
Available Discharge	1.000 m ³	634.8
Mean Discharge (1963-1986)	0.155	0.113
Deficit	-	0.103
Ratio	-	47.7%
80% Reliable Discharge	0.105	0.070
Deficit	-	0.146
Ratio	-	67.5%

Name of Scheme : Average Present Cropping Pattern per 1,000 ha

Net Irrigation Area : 1,000 ha	% Diversion Water Requirement in m ³ /sec	
	Early	Late
Paddy	0	0
Paddy (L)	0	0
Wheat	0.183	0.363
Legume (L)	0.005	0.010
Mustard	0.036	0.050
Potatoes	0.035	0.061
Maize	0	0
Total in m ³ /sec for	0.260	0.484
Average diversion requirement in lit/sec/ha	0.260	0.484
Monthly average requirement (m ³ /sec)	0.372	0.776
Monthly requirement	1.01	1.86

Table 4-1 (1/2) Rehabilitation Plan for Intake

	AK-4 Bishwambhara	AK-5-1 Boshan-No.2	AK-5-2 Boshan-No.3	AK-5-3 Boshan No.4	AK-5-4 Boshan No.5	AK-7 Dhakshinkari (Upper)	AK-7 Daksinkali (Lower)	AK-14 Indrayani	AK-25 Shali Nadi
Rehabilitation Plan	Minor Improvement	Replacement with new one	Replacement with new one	Replacement with new one	Replacement with new one	Replacement with new one	No rehabilitation	Replacement with new one	Replacement with new one
Project Area	135	34	35	42	83	26	74	268	257
Net Irrigation Area	92	21	21	26	54	18	49	101	157
Water Source	Gadedi Khola	Boshan Khola	Boshan Khola	Boshan Khola	Boshan Khola	Kharpa Khola	Kharpa Khola	Ghatte Khola	Shali Nadi
Design flood discharge (1/50)	39	44	44	44	44	58	58	36	66
Design intake discharge	85.9	19.4	19.8	24.3	50.8	16.8	46.1	95.1	149.8
Design Crest EL	—	1,365.7	1,345.8	1,342.0	1,324.7	1,475.0	---	1,425.4	1,408.2
Design Crest Length	—	19	10	8	7	12	---	4	16

Table 4-1 (2/2) Rehabilitation Plan for Intake

Rehabilitation Plan		AB-2	AB-10	AB-12	AB-14	AL-10	AL-13	AL-19	AL-19	AL-19	AL-20
		Bidol	Kanunje	Kutudhal	Mahadev Khola	Kotkhu	Lubhu	Thika Bhairaw I No.1	Thika Bhairaw I No.2	Thika Bhairaw I	Thika Bhairaw II
		Replacement with new one	Replacement with new one	Replacement with new one	Improvement	Improvement	Replacement with new one	Replacement with new one	Replacement with new one	Improvement	Replacement with new one
Project Area	ha.	65	54	83	180	466	220	---	---	892	153
Net Irrigation Area	ha.	32	40	43	112	246	130	---	---	497	88
Water Source		Tholo Khola	Ghatte Khola	Ghatte Khola	Mahadev Khola	Kotkhu Kola	Sineri Khola	Naidu Khola	Naidu Khola	Lele Khola	Nakhu Khola
Design flood discharge (1/50)	m ³ /s	28	21	46	32	81	36	153	---	---	175
Design intake discharge	lit/s	29.7	39.8	40.2	110.4	242.4	127.9	150.0	150.0	484.8	86.9
Design Crest EL	m	1,354.1	1,342.2	1,358.1	---	---	1,411.6	1,489.9	---	---	1,372.2
Design Crest Length	m	6	5.5	14	---	---	20	72	---	---	31

Table 4-2 Rehabilitation Plan of Canal Structures

Item	Type	unit	AK-4 Bishambhara	AK-5 Boshan	AK-7 Dhakshinkari	AK-14 Indrayani	AK-25 Sitali Nadi	Sub-total Kathmandu District	AB-2 Bidol	AB-10 Kanjje	AB-12 Kumdhah	AB-14 Mahadev Khola	Sub-total Bhaktapur District	AL-10 Kotchu	AL-13 Lubhu	AL-19 Thika Bhairav I	AL-20 Thika Bhairav-II	Sub-total Lalitpur District	TOTAL
Field Diversion Box		nos	106	110	74	127	146	563	30	44	69	133	276	300	165	622	88	1,175	2,014
	Aqueduct	nos	10	0	0	0	2	12	0	0	1	1	2	0	0	0	3	3	17
	Catch Drain	nos	2	2	0	0	1	5	2	1	2	0	5	0	1	2	2	5	15
Diversion	total	nos	1	3	2	4	1	11	0	0	0	7	7	6	5	16	2	29	47
	Type-1	nos	0	2	2	2	0	6	0	0	0	3	3	2	2	2	2	8	17
	Type-2	nos	1	1	0	2	1	5	0	0	0	4	4	3	3	8	0	14	23
	Type-3	nos	0	0	0	0	0	0	0	0	0	0	0	1	0	6	0	7	7
Drainage Crossing		nos	1	0	0	0	3	4	1	2	0	1	4	1	0	5	0	6	14
Drop		nos	2	0	0	0	1	3	0	1	2	7	10	3	0	15	1	19	32
	Escape	nos	6	4	2	2	5	19	1	1	2	1	5	1	1	2	2	6	30
	Type-1	nos	4	4	2	0	3	13	1	1	2	0	4	0	0	0	1	1	18
	Type-2	nos	2	0	0	2	2	6	0	0	0	1	1	1	0	1	0	1	9
	Type-3	nos	0	0	0	0	0	0	0	0	0	0	0	1	0	2	0	3	3
Field Diversion	total	nos	20	33	21	19	28	121	11	13	14	35	73	46	39	87	27	199	393
	Type-1	nos	4	23	8	14	26	75	3	6	10	1	20	41	33	64	9	147	242
	Type-2	nos	16	10	13	5	2	46	8	7	4	34	53	5	6	23	18	52	151
Road Crossing	total	nos	2	2	3	8	11	26	1	3	1	9	14	15	8	35	1	59	99
	Type-1	nos	0	2	0	1	2	5	0	0	1	2	3	12	3	11	0	26	34
	Type-2	nos	2	0	3	7	9	21	1	3	0	7	11	1	5	14	1	21	53
	Type-3	nos	0	0	0	0	0	0	0	0	0	0	0	2	0	10	0	12	12
Road crossing of tertiary canal		nos	8	2	0	1	0	11	0	0	1	4	5	11	2	15	0	28	44

Table 6-1 Labour' rate of Bhaktapur District

unit : (Rs.)

Description	[Trained]	[Skilled]	[Untrained]
1 Labour	120	115	75
2 Mason	125	120	
3 Carpenter	120	115	
4 Black Smith	125	120	
5 Plumber	120	115	
6 Electrician	120	115	
7 Auto electrician	105	100	
8 Mechanics	95		
9 Auto mechanics	120	115	
10 Drive cum junior mechanics	105	100	
11 Truck driver	100		
12 Truck driver cum Mechanics	105		
13 Heavy equipment operator	105		
14 Roller operator	105		
15 Timber sawyer		100	
16 Caving of wood & stone	120	115	
17 Black smith	125	120	
18 Wire binder		115	
19 Overseer		80	
20 Draftsman		80	

Table 6-2 Unit Price of Construction Materials (Kathmandu Valley)

No.Materials	Specifications	Component	Unit Price (Rs.)				
			L.C	F.C.	L.C.	F.C.	Total
1	Cement 50kg		80%	20%	180	45	225
2	Boulder	m3	100%	0%	519	0	519
3	Aggregates 20mm	m3	100%	0%	1,038	0	1,038
4	Aggregates 10mm	m3	100%	0%	1,246	0	1,246
5	Sand	m3	100%	0%	270	0	270
6	MS Bars	kg	40%	60%	16	24	40
7	Binding Wire	kg	40%	60%	12	17	29
8	Wood	m3	100%	0%	1,250	0	1,250
9	Steel	kg	40%	60%	12	17	29
10	Steel for form	m2	40%	60%	2,280	3,419	5,699
11	Steel for gate (300Rs./kg)	m2	40%	60%	47,160	70,740	117,900
12	Fuel (Diesel)	lit.	0%	100%	0	12	12
13	Fuel (Petrol)	lit.	0%	100%	0	29	29

Table 6-3 Summary of Construction Cost

(Unit : 1,000NRs)

Scheme	Intake			Canal			Canal Structures			TOTAL		
	L.C.	F.C.	total	L.C.	F.C.	total	L.C.	F.C.	total	L.C.	F.C.	total
Bishmambhara	116	173	289	7,379	5,199	12,578	1,303	1,094	2,397	8,798	6,466	15,264
Boshan	1,113	867	1,980	8,252	5,867	14,119	983	938	1,921	10,348	7,672	18,020
Daksinkali	399	313	712	6,868	5,027	11,895	759	705	1,464	8,026	6,045	14,071
Indrayani	462	404	866	6,766	4,568	11,334	1,059	1,052	2,111	8,287	6,024	14,311
Shali Nadi	1,335	930	2,265	10,989	7,345	18,334	1,193	1,053	2,246	13,517	9,328	22,845
Bidol	201	172	373	3,104	2,369	5,473	3,553	349	3,902	6,858	2,890	9,748
Katunje	239	203	442	3,404	2,489	5,893	469	395	864	4,112	3,087	7,199
Kutudhal	316	242	558	4,541	3,243	7,784	787	620	1,407	5,644	4,105	9,749
Mahadev Khola	1,833	1,514	3,347	10,643	7,279	17,922	1,937	1,852	3,789	14,413	10,645	25,058
Kotkhu	674	612	1,286	20,575	13,937	34,512	2,251	2,187	4,438	23,500	16,736	40,236
Lubhu	1,538	1,063	2,601	11,729	7,931	19,660	1,349	1,343	2,692	14,616	10,337	24,953
Thika Bhairaw I	9,495	6,304	15,799	45,245	29,400	74,645	5,692	5,592	11,284	60,432	41,296	101,728
Thika Bhairaw II	4,459	2,725	7,184	9,792	7,176	16,968	1,171	1,006	2,177	15,422	10,907	26,329
Total	22,180	15,522	37,702	149,287	101,830	251,117	22,506	18,186	40,692	193,973	135,538	329,511

Table 6-4 (1/2)

Rehabilitation / Construction Cost of Intake Facilities

(unit: NRs.)

Item	Unit Price			AK-4 Bishwambhara <Minor Improvement>				AK-5-1 Boshan-No.2 <Replacement with new one>				AK-5-2 Boshan-No.3 <Replacement with new one>				
	L.C.	F.C.	Total	Quantity	L.C.	F.C.	Total	Quantity	L.C.	F.C.	Total	Quantity	L.C.	F.C.	Total	
	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)
Excavation soils	m3	60	0	60	0.0	0	0	0	31.4	1,884	0	1,884	23.9	1,434	0	1,434
Excavation rocks	m3	225	0	225	0.0	0	0	0	73.4	16,515	0	16,515	55.7	12,533	0	12,533
Earth Filling soils	m3	60	0	60	0.0	0	0	0	16.9	1,014	0	1,014	16.9	1,014	0	1,014
Dmolishing	m3	116	0	116	0.0	0	0	0	23.4	2,720	0	2,720	10.8	1,256	0	1,256
Stone Masonry	m3	711	8	719	0.0	0	0	0	0.0	0	0	0	0.0	0	0	0
Mass Concrete 1:3:6	m3	1,636	11	1,647	0.0	0	0	0	6.5	10,634	72	10,706	3.4	5,562	37	5,600
Cement Mortar 1:6	m3	525	11	536	0.0	0	0	0	9.0	4,725	99	4,824	5.0	2,625	55	2,680
Gabion	m3	966	818	1,784	0.0	0	0	0	15.0	14,490	12,270	26,760	11.3	10,916	9,243	20,159
Reinforced concrete 1:2:4	m3	2,665	326	2,991	0.0	0	0	0	50.6	134,849	16,496	151,345	30.5	81,283	9,943	91,226
Reinforcement	t	14,318	20,130	34,448	0.00	0	0	0	4.05	57,988	81,527	139,514	2.44	34,936	49,117	84,053
Metal Formes simple form	m2	259	342	601	0.0	0	0	0	192.9	50,038	65,972	116,010	114.6	29,727	39,193	68,920
Steel	kg	12	17	29	0.0	0	0	0	0.0	0	0	0	0.0	0	0	0
Steel for gate	m2	47,160	70,740	117,900	2.13	100,451	150,676	251,127	0.95	44,802	67,203	112,005	0.95	44,802	67,203	112,005
Sub-total																
Temporaly Work 15%																
TOTAL																

Item	Unit Price			AK-5-3 Boshan No.4 <Replacement with new one>				AK-5-4 Boshan No.5 <Replacement with new one>				AK-7 Dhakshinkari (Upper) <Replacement with new one>				
	L.C.	F.C.	Total	Quantity	L.C.	F.C.	Total	Quantity	L.C.	F.C.	Total	Quantity	L.C.	F.C.	Total	
	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)
Excavation soils	m3	60	0	60	22.2	1,332	0	1,332	21.4	1,284	0	1,284	25.6	1,536	0	1,536
Excavation rocks	m3	225	0	225	51.8	11,655	0	11,655	49.8	11,205	0	11,205	59.6	13,410	0	13,410
Earth Filling soils	m3	60	0	60	16.9	1,014	0	1,014	16.9	1,014	0	1,014	16.9	1,014	0	1,014
Dmolishing	m3	116	0	116	4.6	535	0	535	3.8	442	0	442	4.5	523	0	523
Stone Masonry	m3	711	8	719	0.0	0	0	0	0.0	0	0	0	0.0	0	0	0
Mass Concrete 1:3:6	m3	1,636	11	1,647	2.7	4,417	30	4,447	2.4	3,926	26	3,953	4.1	6,708	45	6,753
Cement Mortar 1:6	m3	525	11	536	4.1	2,153	45	2,198	3.6	1,890	40	1,930	5.9	3,098	65	3,162
Gabion	m3	966	818	1,784	7.5	7,245	6,135	13,380	7.5	7,245	6,135	13,380	112.5	108,675	92,025	200,700
Reinforced concrete 1:2:4	m3	2,665	326	2,991	26.0	69,290	8,476	77,766	23.8	63,427	7,759	71,186	34.9	93,009	11,377	104,386
Reinforcement	t	14,318	20,130	34,448	2.08	29,781	41,870	71,652	1.90	27,204	38,247	65,451	2.79	39,947	56,163	96,110
Metal Formes simple form	m2	259	342	601	97.2	25,214	33,242	58,456	88.5	22,957	30,267	53,224	132.0	34,241	45,144	79,385
Steel	kg	12	17	29	0.0	0	0	0	0.0	0	0	0	0.0	0	0	0
Steel for gate	m2	47,160	70,740	117,900	0.95	44,802	67,203	112,005	1.35	63,666	95,499	159,165	0.95	44,802	67,203	112,005
Sub-total																
Temporaly Work 15%																
TOTAL																

Item	Unit Price			AK-14 Indrayani <Replacement with new one>				Indrayani-sub Intake <Replacement with new one>				AK-25 Shali Nadi <Replacement with new one>				
	L.C.	F.C.	Total	Quantity	L.C.	F.C.	Total	Quantity	L.C.	F.C.	Total	Quantity	L.C.	F.C.	Total	
	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)
Excavation soils	m3	60	0	60	18.8	1,128	0	1,128	19.7	1,182	0	1,182	124.2	7,452	0	7,452
Excavation rocks	m3	225	0	225	44.0	9,900	0	9,900	45.9	10,328	0	10,328	289.8	65,205	0	65,205
Earth Filling soils	m3	60	0	60	16.9	1,014	0	1,014	16.9	1,014	0	1,014	66.9	4,014	0	4,014
Dmolishing	m3	116	0	116	17.8	2,069	0	2,069	0.0	0	0	0	84.0	9,765	0	9,765
Stone Masonry	m3	711	8	719	0.0	0	0	0	0.0	0	0	0	0.0	0	0	0
Mass Concrete 1:3:6	m3	1,636	11	1,647	1.4	2,290	15	2,306	1.7	2,781	19	2,800	12.0	19,632	132	19,764
Cement Mortar 1:6	m3	525	11	536	2.3	1,208	25	1,233	2.7	1,418	30	1,447	8.9	4,673	98	4,770
Gabion	m3	966	818	1,784	80.0	77,280	65,440	142,720	8.3	8,018	6,789	14,807	165.0	159,390	134,970	294,360
Reinforced concrete 1:2:4	m3	2,665	326	2,991	17.1	45,572	5,575	51,146	19.3	51,435	6,292	57,726	172.0	458,380	56,072	514,452
Reinforcement	t	14,318	20,130	34,448	1.37	19,616	27,578	47,194	1.54	22,050	31,000	53,050	13.76	197,016	276,989	474,004
Metal Formes simple form	m2	259	342	601	62.4	16,187	21,341	37,527	71.1	18,443	24,316	42,760	262.7	68,144	89,843	157,988
Steel	kg	12	17	29	0.0	0	0	0	0.0	0	0	0	0.0	0	0	0
Steel for gate	m2	47,160	70,740	117,900	1.35	63,666	95,499	159,165	0.95	44,802	67,203	112,005	3.54	166,946	250,420	417,366
Sub-total																
Temporaly Work 15%																
TOTAL																

Table 6-4 (2/2)

Rehabilitation / Construction Cost of Intake Facilities

(unit : NRs.)

Item	Unit Price			AB-2 Bldol <Replacement with new one>			AB-10 Katunje <Replacement with new one>			AB-12 Kutudhal <Replacement with new one>						
	L.C.	F.C.	Total	Quantity	L.C.	F.C.	Total	Quantity	L.C.	F.C.	Total	Quantity	L.C.	F.C.	Total	
	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	
Excavation soils	m3	60	0	60	20.5	1,230	0	1,230	24.9	1,494	0	1,494	27.2	1,632	0	1,632
Excavation rocks	m3	225	0	225	47.9	10,778	0	10,778	58.1	13,073	0	13,073	63.6	14,310	0	14,310
Earth Filling soils	m3	60	0	60	16.9	1,014	0	1,014	16.9	1,014	0	1,014	16.9	1,014	0	1,014
Earth Filling gravel	m3	90	0	90	0	0	0	0	0	0	0	0	0	0	0	0
Dmolishing	m3	116	0	116	2.2	256	0	256	0.0	0	0	0	5.0	581	0	581
Stone Masonry	m3	711	8	719	0.0	0	0	0	0.0	0	0	0	0	0	0	0
Mass Concrete 1:3:6	m3	1,636	11	1,647	2.0	3,272	22	3,294	1.9	3,108	21	3,129	4.8	7,853	53	7,906
Cement Mortar 1:6	m3	525	11	536	3.2	1,680	35	1,715	2.9	1,523	32	1,554	6.8	3,570	75	3,645
Gabion	m3	966	818	1,784	0.0	0	0	0	37.5	36,225	30,675	66,900	3.8	3,671	3,108	6,779
Reinforced concrete 1:2:4	m3	2,665	326	2,991	21.6	57,564	7,042	64,606	20.5	54,633	6,683	61,316	39.4	105,001	12,844	117,845
Reinforcement	t	14,318	20,130	34,448	1.73	24,770	34,825	59,595	1.64	23,482	33,013	56,495	3.15	45,102	63,410	108,511
Metal Formes simple form	m2	259	342	601	79.8	20,700	27,292	47,992	75.4	19,559	25,787	45,346	149.4	38,754	51,095	89,849
Steel	kg	12	17	29	0.0	0	0	0	0.0	0	0	0	0.0	0	0	0
Steel for gate	m2	47,160	70,740	117,900	1.13	53,291	79,936	133,227	1.13	53,291	79,936	133,227	1.13	53,291	79,936	133,227
Sub-total					174,554	149,152	323,706			207,400	176,147	383,547		274,779	210,521	485,300
Temporary Work 15%					26,183	22,373	48,556			31,110	26,422	57,532		41,217	31,578	72,795
TOTAL					200,737	171,524	372,261			238,510	202,569	441,079		315,996	242,099	558,095

Item	Unit Price			AB-14 Mahadev Khola <Improvement>			AL-10 Kotkhu <Improvement>			AL-13 Lubhu <Replacement with new one>						
	L.C.	F.C.	Total	Quantity	L.C.	F.C.	Total	Quantity	L.C.	F.C.	Total	Quantity	L.C.	F.C.	Total	
	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	
Excavation soils	m3	60	0	60	83.7	5,022	0	5,022	45.7	2,742	0	2,742	144.0	8,640	0	8,640
Excavation rocks	m3	225	0	225	195.2	43,920	0	43,920	106.7	24,008	0	24,008	336.0	75,600	0	75,600
Earth Filling soils	m3	60	0	60	0.0	0	0	0	0.0	0	0	0	66.9	4,014	0	4,014
Earth Filling gravel	m3	90	0	90	0	0	0	0	0	0	0	0	0	0	0	0
Dmolishing	m3	116	0	116	63.0	7,324	0	7,324	45.9	5,336	0	5,336	0.0	0	0	0
Stone Masonry	m3	711	8	719	1.9	1,351	15	1,366	0.0	0	0	0	0.0	0	0	0
Mass Concrete 1:3:6	m3	1,636	11	1,647	0	0	0	0	0	0	0	0	15.0	24,540	165	24,705
Cement Mortar 1:6	m3	525	11	536	0.0	0	0	0	0.0	0	0	0	10.4	5,444	114	5,558
Gabion	m3	966	818	1,784	78.0	75,348	63,804	139,152	127.0	122,682	103,886	226,568	240.0	231,840	196,320	428,160
Reinforced concrete 1:2:4	m3	2,665	326	2,991	250.0	666,250	81,500	747,750	57.4	152,971	18,712	171,683	195.8	521,807	63,831	585,638
Reinforcement	t	14,318	20,130	34,448	12.50	178,975	251,625	430,600	2.87	41,093	57,773	98,866	15.66	224,220	315,236	539,456
Metal Formes simple form	m2	259	342	601	82.7	21,452	28,283	49,736	64.1	16,628	21,922	38,550	287.5	74,578	98,325	172,903
Steel	kg	12	17	29	0.0	0	0	0	321.2	3,854	5,460	9,315	0.0	0	0	0
Steel for gate	m2	47,160	70,740	117,900	12.60	594,216	891,324	1,485,540	4.59	216,464	324,697	541,161	3.54	166,946	250,420	417,366
Sub-total					1,593,858	1,316,552	2,910,410			585,777	532,451	1,118,228		1,337,629	924,410	2,262,039
Temporary Work 15%					239,079	197,483	436,561			87,867	79,868	167,734		200,644	138,662	339,306
TOTAL					1,832,937	1,514,034	3,346,971			673,644	612,318	1,285,962		1,538,273	1,063,072	2,601,345

Item	Unit Price			AL-19 Thika Bhalraw I (No.1) <Replacement with new one>			AL-19 Thika Bhalraw I (No.2) <Improvement>			AL-20 Thika Bhalraw II <Replacement with new one>						
	L.C.	F.C.	Total	Quantity	L.C.	F.C.	Total	Quantity	L.C.	F.C.	Total	Quantity	L.C.	F.C.	Total	
	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	
Excavation soils	m3	60	0	60	804.6	48,276	0	48,276	3.4	204	0	204	494.6	29,676	0	29,676
Excavation rocks	m3	225	0	225	1,877.4	422,415	0	422,415	7.9	1,778	0	1,778	1,154.2	259,695	0	259,695
Earth Filling soils	m3	60	0	60	264.0	15,840	0	15,840	0.0	0	0	0	264.0	15,840	0	15,840
Earth Filling gravel	m3	90	0	90	0	0	0	0	0	0	0	0	0	0	0	0
Dmolishing	m3	116	0	116	0.0	0	0	0	141.6	16,461	0	16,461	0.0	0	0	0
Stone Masonry	m3	711	8	719	0.0	0	0	0	0.0	0	0	0	0.0	0	0	0
Mass Concrete 1:3:6	m3	1,636	11	1,647	144.0	235,584	1,584	237,168	0	0	0	0	62.0	101,432	682	102,114
Cement Mortar 1:6	m3	525	11	536	59.0	30,959	649	31,608	0	0	0	0	29.9	15,677	328	16,005
Gabion	m3	966	818	1,784	1,825.0	1,762,950	1,492,850	3,255,800	0.0	0	0	0	960.0	927,360	785,280	1,712,640
Reinforced concrete 1:2:4	m3	2,665	326	2,991	1,026.6	2,735,889	334,672	3,070,561	177.0	471,705	57,702	529,407	575.6	1,533,974	187,646	1,721,620
Reinforcement	t	14,318	20,130	34,448	82.13	1,175,937	1,653,277	2,829,214	8.85	126,714	178,151	304,865	46.05	659,344	926,987	1,586,330
Metal Formes simple form	m2	259	342	601	1,103.1	286,144	377,260	663,404	55.0	14,267	18,810	33,077	701.3	181,917	239,845	421,762
Steel	kg	12	17	29	0.0	0	0	0	0.0	0	0	0	0.0	0	0	0
Steel for gate	m2	47,160	70,740	117,900	3.24	152,798	229,198	381,996	16.08	758,333	1,137,499	1,895,832	3.24	152,798	229,198	381,996
Sub-total					6,866,793	4,089,489	10,956,282			1,389,462	1,392,162	2,781,623		3,877,713	2,369,965	6,247,678
Temporary Work 15%					1,030,019	613,423	1,643,442			208,419	208,824	417,243		581,657	355,495	937,152
TOTAL					7,896,812	4,702,912	12,599,724			1,597,881	1,600,986	3,198,867		4,459,370	2,725,459	7,184,829

Table 6-5 (1/6) Rehabilitation / Construction Cost of Canals and Canal Structures

(unit: 1,000Rs.)

		Unit Price			AK-4 Bishambhara				AK-5-1 Doshan No.2				AK-5-2 Doshan No.3			
		L.C.	P.C.	Total	Quantity	L.C.	F.C.	Total	Quantity	L.C.	F.C.	Total	Quantity	L.C.	F.C.	Total
		(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)
Main Canal (Total)	Total				4,350	5,140,111	4,141,398	9,281,509	1,300	1,375,807	1,058,980	2,434,787	1,150	1,189,447	936,790	2,126,237
	Type-1 m	---	---	---	0	0	0	0	0	0	0	0	0	0	0	0
	Type-2 m	---	---	---	1,150	1,118,663	936,790	2,055,453	1,300	1,375,807	1,058,980	2,434,787	1,150	1,189,447	936,790	2,126,237
	Type-3 m	---	---	---	0	0	0	0	0	0	0	0	0	0	0	0
	Type-4 m	---	---	---	3,200	4,021,448	3,204,608	7,226,056	0	0	0	0	0	0	0	0
	Type-5 m	---	---	---	0	0	0	0	0	0	0	0	0	0	0	0
	Type-6 m	---	---	---	0	0	0	0	0	0	0	0	0	0	0	0
	Type-7 m	---	---	---	0	0	0	0	0	0	0	0	0	0	0	0
	Type-8 m	---	---	---	0	0	0	0	0	0	0	0	0	0	0	0
(Replacement)	Total				1,800	2,359,746	1,802,592	4,162,338		1,181,257	896,060	2,077,317		751,709	570,220	1,321,929
	Type-1 m	942	720	1,662	0	0	0	0	0	0	0	0	0	0	0	0
	Type-2 m	1,074	815	1,888	0	0	0	0	1,100	1,181,257	896,060	2,077,317	700	751,709	570,220	1,321,929
	Type-3 m	1,180	906	2,086	0	0	0	0	0	0	0	0	0	0	0	0
	Type-4 m	1,311	1,001	2,312	1,800	2,359,746	1,802,592	4,162,338	0	0	0	0	0	0	0	0
	Type-5 m	1,958	1,345	3,303	0	0	0	0	0	0	0	0	0	0	0	0
	Type-6 m	2,249	1,555	3,804	0	0	0	0	0	0	0	0	0	0	0	0
	Type-7 m	2,587	1,789	4,375	0	0	0	0	0	0	0	0	0	0	0	0
	Type-8 m	2,739	1,904	4,643	0	0	0	0	0	0	0	0	0	0	0	0
(Improvement)	Total				2,550	2,780,365	2,338,806	5,119,171		194,550	162,920	357,470		437,738	366,570	804,308
	Type-1 m	852	720	1,572	0	0	0	0	0	0	0	0	0	0	0	0
	Type-2 m	973	815	1,787	1,150	1,118,663	936,790	2,055,453	200	194,550	162,920	357,470	450	437,738	366,570	804,308
	Type-3 m	1,067	906	1,973	0	0	0	0	0	0	0	0	0	0	0	0
	Type-4 m	1,187	1,001	2,188	1,400	1,661,702	1,402,016	3,063,718	0	0	0	0	0	0	0	0
	Type-5 m	1,744	1,345	3,088	0	0	0	0	0	0	0	0	0	0	0	0
	Type-6 m	2,001	1,555	3,556	0	0	0	0	0	0	0	0	0	0	0	0
	Type-7 m	2,304	1,789	4,093	0	0	0	0	0	0	0	0	0	0	0	0
	Type-8 m	2,440	1,904	4,344	0	0	0	0	0	0	0	0	0	0	0	0
Branch Canal	Total				460	447,465	374,716	822,181	0	0	0	0	375	364,781	305,475	670,256
	Type-1 m	852	720	1,572	0	0	0	0	0	0	0	0	0	0	0	0
	Type-2 m	973	815	1,787	460	447,465	374,716	822,181	0	0	0	0	375	364,781	305,475	670,256
	Type-3 m	1,067	906	1,973	0	0	0	0	0	0	0	0	0	0	0	0
	Type-4 m	1,187	1,001	2,188	0	0	0	0	0	0	0	0	0	0	0	0
Main Farm Ditch	m	188	1	189	4,411	829,268	4,411	833,679	630	118,440	630	119,070	620	116,560	620	117,180
Escape	Total				6	19,128	16,018	35,146	1	2,620	2,247	4,867	1	2,620	2,247	4,867
	Type-1 nos	2,620	2,247	4,867	4	10,480	8,989	19,470	1	2,620	2,247	4,867	1	2,620	2,247	4,867
	Type-2 nos	4,324	3,514	7,838	2	8,648	7,028	15,676	0	0	0	0	0	0	0	0
	Type-3 nos	7,305	5,614	12,919	0	0	0	0	0	0	0	0	0	0	0	0
Drainage Crossing	nos	15,382	12,235	27,616	1	15,382	12,235	27,616	0	0	0	0	0	0	0	0
Catch Drain	nos	17,299	11,620	28,919	2	34,598	23,240	57,838	0	0	0	0	2	34,598	23,240	57,838
Road Crossing	Total				2	23,316	15,797	39,113	0	0	0	0	0	0	0	0
	Type-1 nos	4,068	3,351	7,419	0	0	0	0	0	0	0	0	0	0	0	0
	Type-2 nos	8,746	7,046	15,792	2	17,493	14,091	31,584	0	0	0	0	0	0	0	0
	Type-3 nos	23,518	17,370	40,888	0	0	0	0	0	0	0	0	0	0	0	0
Road crossing in field	nos	728	213	941	8	5,824	1,706	7,529	0	0	0	0	0	0	0	0
Aqueduct	Total				10	213,815	141,000	354,815	0	0	0	0	0	0	0	0
	3m nos	15,273	10,071	25,344	9	137,453	90,643	228,096	0	0	0	0	0	0	0	0
	5m nos	30,545	20,143	50,688	0	0	0	0	0	0	0	0	0	0	0	0
	10m nos	76,363	50,357	126,720	1	76,363	50,357	126,720	0	0	0	0	0	0	0	0
	15m nos	152,725	100,714	253,440	0	0	0	0	0	0	0	0	0	0	0	0
	20m nos	229,088	151,072	380,159	0	0	0	0	0	0	0	0	0	0	0	0
Field Diversion	Total				20	260,501	211,235	471,736	6	17,308	14,462	31,770	7	17,524	14,727	32,251
	normal nos	216	265	481	4	865	1,061	1,926	5	1,081	1,326	2,407	6	1,297	1,591	2,888
	with shoot nos	16,227	13,136	29,363	16	259,636	210,174	469,810	1	16,227	13,136	29,363	1	16,227	13,136	29,363
Diversion	Total				1	50,933	76,399	127,332	0	0	0	0	1	35,370	53,055	88,425
	Type-1 nos	35,370	53,055	88,425	0	0	0	0	0	0	0	0	1	35,370	53,055	88,425
	Type-2 nos	50,933	76,399	127,332	1	50,933	76,399	127,332	0	0	0	0	0	0	0	0
	Type-3 nos	80,172	120,258	200,430	0	0	0	0	0	0	0	0	0	0	0	0
Drop	nos	11,792	7,757	19,549	2	23,584	15,513	39,097	0	0	0	0	0	0	0	0
Field Diversion Box	nos	4,642	4,148	8,790	106	492,068	439,649	931,717	17	78,917	70,510	149,426	15	69,632	62,214	131,847
Othres	nos	2,758,162	28,727	2,786,889						0	0	0		0	0	0
Canal Works	Sub-Total					6,416,844	4,520,525	10,937,369		1,494,247	1,059,610	2,553,857		1,670,788	1,242,885	2,913,673
	Temporary Work 15%					962,527	678,079	1,640,606		224,137	158,942	383,079		250,618	186,433	437,051
	Total					7,379,371	5,198,604	12,577,975		1,718,384	1,218,552	2,936,936		1,921,406	1,429,318	3,350,724
Canal Structure Works	Sub-Total					1,133,325	951,085	2,084,410		98,845	87,219	186,064		159,745	155,484	315,229
	Temporary Work 15%					169,999	142,663	312,662		14,827	13,083	27,910		23,962	23,323	47,285
	Total					1,303,324	1,093,748	2,397,072		113,672	100,302	213,974		183,707	178,807	362,514
Grand TOTAL						8,682,695	6,292,352	14,975,047		1,832,056	1,318,854	3,150,910		2,105,113	1,608,125	3,713,238

Table 6-5 (2/6) Estimation of Canal and Structures

(unit : 1,000Rs.)

		Unit Price			AK-5-3 Boshan No.4				AK-5-4 Boshan No.5				AK-7 Daksinkall (U)			
		L.C.	F.C.	Total	Quantity	L.C.	F.C.	Total	Quantity	L.C.	F.C.	Total	Quantity	L.C.	F.C.	Total
		(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)
Main Canal (Total)	Total	---	---	---	1,325	1,329,342	1,079,345	2,408,687	1,600	1,736,908	1,410,223	3,147,131	1,850	1,900,708	1,507,010	3,407,718
	Type-1 m	---	---	---	0	0	0	0	350	298,316	251,843	550,158	0	0	0	0
	Type-2 m	---	---	---	1,325	1,329,342	1,079,345	2,408,687	500	486,375	407,300	893,675	1,850	1,900,708	1,507,010	3,407,718
	Type-3 m	---	---	---	0	0	0	0	0	0	0	0	0	0	0	0
	Type-4 m	---	---	---	0	0	0	0	750	952,218	753,080	1,703,298	0	0	0	0
	Type-5 m	---	---	---	0	0	0	0	0	0	0	0	0	0	0	0
	Type-6 m	---	---	---	0	0	0	0	0	0	0	0	0	0	0	0
	Type-7 m	---	---	---	0	0	0	0	0	0	0	0	0	0	0	0
	Type-8 m	---	---	---	0	0	0	0	0	0	0	0	0	0	0	0
(Replacement)	Total					429,548	325,840	755,388		655,485	500,720	1,156,205		1,073,870	814,600	1,888,470
	Type-1 m	942	720	1,662		0	0	0	0	0	0	0	0	0	0	0
	Type-2 m	1,074	815	1,888	400	429,548	325,840	755,388	0	0	0	0	1,000	1,073,870	814,600	1,888,470
	Type-3 m	1,180	906	2,086		0	0	0	0	0	0	0		0	0	0
	Type-4 m	1,311	1,001	2,312		0	0	0	500	655,485	500,720	1,156,205		0	0	0
	Type-5 m	1,958	1,345	3,303		0	0	0	0	0	0	0		0	0	0
	Type-6 m	2,249	1,555	3,804		0	0	0	0	0	0	0		0	0	0
	Type-7 m	2,587	1,789	4,375		0	0	0	0	0	0	0		0	0	0
	Type-8 m	2,739	1,904	4,643		0	0	0	0	0	0	0		0	0	0
(Improvement)	Total					899,794	753,505	1,653,299		1,081,423	909,503	1,990,926		826,838	692,410	1,519,248
	Type-1 m	852	720	1,572		0	0	0	350	298,316	251,843	550,158		0	0	0
	Type-2 m	973	815	1,787	925	899,794	753,505	1,653,299	500	486,375	407,300	893,675	850	826,838	692,410	1,519,248
	Type-3 m	1,067	906	1,973		0	0	0	0	0	0	0		0	0	0
	Type-4 m	1,187	1,001	2,188		0	0	0	250	296,733	250,360	547,093		0	0	0
	Type-5 m	1,744	1,345	3,088		0	0	0	0	0	0	0		0	0	0
	Type-6 m	2,001	1,555	3,556		0	0	0	0	0	0	0		0	0	0
	Type-7 m	2,304	1,789	4,093		0	0	0	0	0	0	0		0	0	0
	Type-8 m	2,440	1,904	4,344		0	0	0	0	0	0	0		0	0	0
Branch Canal	Total				0	0	0	0	425	362,240	305,809	668,049	0	0	0	0
	Type-1 m	852	720	1,572		0	0	0	425	362,240	305,809	668,049		0	0	0
	Type-2 m	973	815	1,787		0	0	0	0	0	0	0		0	0	0
	Type-3 m	1,067	906	1,973		0	0	0	0	0	0	0		0	0	0
	Type-4 m	1,187	1,001	2,188		0	0	0	0	0	0	0		0	0	0
Main Farm Ditch	m	188	1	189	1,090	204,920	1,090	206,010	2,010	377,880	2,010	379,890	610	114,680	610	115,290
Escape	Total				1	2,620	2,247	4,867	1	2,620	2,247	4,867	1	2,620	2,247	4,867
	Type-1 nos	2,620	2,247	4,867	1	2,620	2,247	4,867	1	2,620	2,247	4,867	1	2,620	2,247	4,867
	Type-2 nos	4,324	3,514	7,838	0	0	0	0	0	0	0	0	0	0	0	0
	Type-3 nos	7,305	5,614	12,919	0	0	0	0	0	0	0	0	0	0	0	0
Drainage Crossing	nos	15,382	12,235	27,616	0	0	0	0	0	0	0	0	0	0	0	0
Catch Drain	nos	17,299	11,620	28,919	0	0	0	0	0	0	0	0	0	0	0	0
Road Crossing	Total				0	0	0	0	2	9,593	7,129	16,721	3	26,239	21,137	47,377
	Type-1 nos	4,068	3,351	7,419	0	0	0	0	2	8,137	6,702	14,839	0	0	0	0
	Type-2 nos	8,746	7,046	15,792	0	0	0	0	0	0	0	0	3	26,239	21,137	47,377
	Type-3 nos	23,518	17,370	40,888	0	0	0	0	0	0	0	0	0	0	0	0
Road crossing in field	nos	728	213	941	0	0	0	0	2	1,456	426	1,882	0	0	0	0
Aqueduct	Total				0	0	0	0	0	0	0	0	0	0	0	0
	3m nos	15,273	10,071	25,344	0	0	0	0	0	0	0	0	0	0	0	0
	5m nos	30,545	20,143	50,688	0	0	0	0	0	0	0	0	0	0	0	0
	10m nos	76,363	50,357	126,720	0	0	0	0	0	0	0	0	0	0	0	0
	15m nos	152,725	100,714	253,440	0	0	0	0	0	0	0	0	0	0	0	0
	20m nos	229,088	151,072	380,159	0	0	0	0	0	0	0	0	0	0	0	0
Field Diversion	Total				8	97,796	79,346	177,142	12	34,617	28,924	63,540	6	65,342	53,074	118,415
	normal nos	216	265	481	2	432	530	963	10	2,162	2,652	4,814	2	432	530	963
	with shoot nos	16,227	13,136	29,363	6	97,364	78,815	176,179	2	32,455	26,272	58,726	4	64,909	52,543	117,453
Diversion	Total				0	0	0	0	2	86,303	129,454	215,757	0	0	0	0
	Type-1 nos	35,370	53,055	88,425	0	0	0	0	1	35,370	53,055	88,425	0	0	0	0
	Type-2 nos	50,933	76,399	127,332	0	0	0	0	1	50,933	76,399	127,332	0	0	0	0
	Type-3 nos	80,172	120,258	200,430	0	0	0	0	0	0	0	0	0	0	0	0
Drop	nos	11,792	7,757	19,549	0	0	0	0	0	0	0	0	0	0	0	0
Field Diversion Box	nos	4,642	4,148	8,790	29	134,622	120,281	254,904	49	227,465	203,234	430,699	17	78,917	70,510	149,426
Oubres	nos	2,758,162	28,727	2,786,889		0	0	0		0	0	0		0	0	0
Canal Works	Sub-Total					1,534,262	1,080,435	2,614,697		2,477,028	1,718,041	4,195,069		2,015,388	1,507,620	3,523,008
	Temporary Work 15%					230,139	162,065	392,204		371,554	257,706	629,260		302,308	226,143	528,451
	Total					1,764,401	1,242,500	3,006,901		2,848,582	1,975,747	4,824,329		2,317,696	1,733,763	4,051,459
Canal Structure Works	Sub-Total					235,039	201,874	436,913		360,597	370,988	731,585		173,118	146,968	320,086
	Temporary Work 15%					35,256	30,281	65,537		54,090	55,648	109,738		25,968	22,045	48,013
	Total					270,295	232,155	502,450		414,687	426,636	841,323		199,086	169,013	368,099
Grand TOTAL						2,034,696	1,474,655	3,509,351		3,263,269	2,402,383	5,665,652		2,516,782	1,902,776	4,419,558

Table 6-5 (3/6) Estimation of Canal and Structures

(unit : 1000Rs.)

		Unit Price			Daksinkali (L)				AK-14 Indrayani				AK-25 Shali Nadi			
		L.C.	F.C.	Total	Quantity	L.C.	F.C.	Total	Quantity	L.C.	F.C.	Total	Quantity	L.C.	F.C.	Total
		(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)
Main Canal (Total)	Total				3,000	3,135,212	2,535,590	5,670,802	2,425	2,796,237	2,254,687	5,050,924	6,615	8,306,188	6,380,256	14,686,444
Type-1	m	---	---	---	0	0	0	0	0	0	0	0	0	0	0	0
Type-2	m	---	---	---	2,000	1,955,612	1,629,200	3,584,812	625	607,969	509,125	1,117,094	1,850	1,799,588	1,507,010	3,306,598
Type-3	m	---	---	---	1,000	1,179,600	906,390	2,085,990	600	639,912	543,834	1,183,746	3,500	4,029,655	3,172,365	7,202,600
Type-4	m	---	---	---	0	0	0	0	1,200	1,548,356	1,201,728	2,750,084	0	0	0	0
Type-5	m	---	---	---	0	0	0	0	0	0	0	0	1,265	2,476,946	1,700,881	4,177,827
Type-6	m	---	---	---	0	0	0	0	0	0	0	0	0	0	0	0
Type-7	m	---	---	---	0	0	0	0	0	0	0	0	0	0	0	0
Type-8	m	---	---	---	0	0	0	0	0	0	0	0	0	0	0	0
(Replacement)	Total					1,286,987	987,850	2,274,837		1,310,970	1,001,440	2,312,410		5,573,396	4,080,155	9,653,551
Type-1	m	942	720	1,662		0	0	0		0	0	0		0	0	0
Type-2	m	1,074	815	1,888	100	107,387	81,460	188,847	0	0	0	0	0	0	0	0
Type-3	m	1,180	906	2,086	1,000	1,179,600	906,390	2,085,990	0	0	0	0	2,625	3,096,450	2,379,274	5,475,724
Type-4	m	1,311	1,001	2,312		0	0	0	1,000	1,310,970	1,001,440	2,312,410		0	0	0
Type-5	m	1,958	1,345	3,303		0	0	0		0	0	0	1,265	2,476,946	1,700,881	4,177,827
Type-6	m	2,249	1,555	3,804		0	0	0		0	0	0		0	0	0
Type-7	m	2,587	1,789	4,375		0	0	0		0	0	0		0	0	0
Type-8	m	2,739	1,904	4,643		0	0	0		0	0	0		0	0	0
(Improvement)	Total					1,848,225	1,547,740	3,395,965		1,485,267	1,253,247	2,738,514		2,732,793	2,300,101	5,032,894
Type-1	m	852	720	1,572		0	0	0		0	0	0		0	0	0
Type-2	m	973	815	1,787	1,900	1,848,225	1,547,740	3,395,965	625	607,969	509,125	1,117,094	1,850	1,799,588	1,507,010	3,306,598
Type-3	m	1,067	906	1,973	0	0	0	0	600	639,912	543,834	1,183,746	875	933,205	793,091	1,726,296
Type-4	m	1,187	1,001	2,188		0	0	0	200	237,386	200,288	437,674		0	0	0
Type-5	m	1,744	1,345	3,088		0	0	0		0	0	0	0	0	0	0
Type-6	m	2,001	1,555	3,556		0	0	0		0	0	0		0	0	0
Type-7	m	2,304	1,789	4,093		0	0	0		0	0	0		0	0	0
Type-8	m	2,440	1,904	4,344		0	0	0		0	0	0		0	0	0
Branch Canal	Total				400	389,100	325,840	714,940	2,175	2,034,473	1,711,615	3,746,088	0	0	0	0
Type-1	m	852	720	1,572		0	0	0	850	724,481	611,618	1,336,098		0	0	0
Type-2	m	973	815	1,787	400	389,100	325,840	714,940	1,100	1,070,025	896,060	1,966,085		0	0	0
Type-3	m	1,067	906	1,973		0	0	0	225	239,967	203,938	443,905		0	0	0
Type-4	m	1,187	1,001	2,188		0	0	0		0	0	0		0	0	0
Main Farm Ditch	m	188	1	189	2,300	432,400	2,300	434,700	5,600	1,052,800	5,600	1,058,400	6,645	1,249,260	6,645	1,255,905
Escape	Total				1	4,324	3,514	7,838	2	8,648	7,028	15,676	5	16,508	13,770	30,278
Type-1	nos	2,620	2,247	4,867	0	0	0	0	0	0	0	0	3	7,860	6,742	14,602
Type-2	nos	4,324	3,514	7,838	1	4,324	3,514	7,838	2	8,648	7,028	15,676	2	8,648	7,028	15,676
Type-3	nos	7,305	5,614	12,919	0	0	0	0	0	0	0	0	0	0	0	0
Drainage Crossing	nos	15,382	12,235	27,616	0	0	0	0	0	0	0	0	3	46,145	36,704	82,849
Catch Drain	nos	17,299	11,620	28,919	0	0	0	0	0	0	0	0	1	17,299	11,620	28,919
Road Crossing	Total				0	0	0	0	8	66,022	52,884	118,906	11	86,855	70,114	156,968
Type-1	nos	4,068	3,351	7,419	0	0	0	0	1	4,068	3,351	7,419	2	8,137	6,702	14,839
Type-2	nos	8,746	7,046	15,792	0	0	0	0	7	61,225	49,320	110,545	9	78,178	63,411	142,100
Type-3	nos	23,518	17,370	40,888	0	0	0	0	0	0	0	0	0	0	0	0
Road crossing in field	nos	728	213	941	0	0	0	0	1	728	213	941	0	0	0	0
Aqueduct	Total				0	0	0	0	0	0	0	0	2	91,635	60,429	152,064
3m	nos	15,273	10,071	25,344	0	0	0	0	0	0	0	0	1	15,273	10,071	25,344
5m	nos	30,545	20,143	50,688	0	0	0	0	0	0	0	0	0	0	0	0
10m	nos	76,363	50,357	126,720	0	0	0	0	0	0	0	0	1	76,363	50,357	126,720
15m	nos	152,725	100,714	253,440	0	0	0	0	0	0	0	0	0	0	0	0
20m	nos	229,088	151,072	380,159	0	0	0	0	0	0	0	0	0	0	0	0
Field Diversion	Total				15	147,343	119,814	267,157	19	84,163	69,392	153,555	28	38,076	33,167	71,243
normal	nos	216	265	481	6	1,297	1,591	2,888	14	3,027	3,713	6,740	26	5,621	6,895	12,516
with shoot	nos	16,227	13,136	29,363	9	146,046	118,223	264,268	5	81,136	65,679	146,816	2	32,455	26,272	58,726
Diversion	Total				2	70,740	106,110	176,850	4	172,606	258,908	431,514	1	50,933	76,399	127,332
Type-1	nos	35,370	53,055	88,425	2	70,740	106,110	176,850	2	70,740	106,110	176,850	0	0	0	0
Type-2	nos	50,933	76,399	127,332	0	0	0	0	2	101,866	152,798	254,664	1	50,933	76,399	127,332
Type-3	nos	80,172	120,258	200,430	0	0	0	0	0	0	0	0	0	0	0	0
Drop	nos	11,792	7,757	19,549	0	0	0	0	0	0	0	0	1	11,792	7,757	19,549
Field Diversion Box	nos	4,642	4,148	8,790	57	264,603	236,415	501,017	127	589,553	526,749	1,116,302	146	677,754	605,554	1,283,308
Othrs	nos	2,758,162	28,727	2,786,889		0	0	0		0	0	0		0	0	0
Canal Works	Sub-Total					3,956,712	2,863,730	6,820,442		5,883,509	3,971,902	9,855,411		9,555,448	6,386,901	15,942,349
Temporary Work	15%					593,507	429,560	1,023,067		882,526	595,785	1,478,311		1,433,317	958,035	2,391,352
Total						4,550,219	3,293,290	7,843,509		6,766,035	4,567,687	11,333,722		10,988,765	7,344,936	18,333,701
Canal Structure Works	Sub-Total					487,009	465,853	952,862		920,991	914,962	1,835,953		1,036,996	915,513	1,952,509
Temporary Work	15%					73,051	69,878	142,929		138,149	137,244	275,393		155,549	137,327	292,876
Total						560,060	535,731	1,095,791		1,059,140	1,052,206	2,111,346		1,192,545	1,052,840	2,245,385
Grand TOTAL						5,110,279	3,829,021	8,939,300		7,825,175	5,619,893	13,445,068		12,181,310	8,397,776	20,579,086

Table 6-5 (4/6) Estimation of Canal and Structures

(unit : L,000Rs.)

		Unit Price			AB-2 Bikol			AB-10 Katumbe			AB-12 Kunudhal					
		L.C.	F.C.	Total	Quantity	L.C. (Rs.)	F.C. (Rs.)	Total (Rs.)	Quantity	L.C. (Rs.)	F.C. (Rs.)	Total (Rs.)	Quantity	L.C. (Rs.)	F.C. (Rs.)	Total (Rs.)
		(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)
Main Canal (Total)	Total				2,550	2,509,626	2,059,061	4,568,686	2,525	2,644,503	2,162,518	4,807,021	3,300	3,397,893	2,816,686	6,214,579
Type-1	m	---	---	---	1,350	1,150,646	971,393	2,122,038	675	575,323	485,696	1,061,019	0	0	0	0
Type-2	m	---	---	---	0	0	0	0	0	0	0	0	1,900	1,848,225	1,547,740	3,395,965
Type-3	m	---	---	---	1,200	1,358,980	1,087,668	2,446,648	1,850	2,069,180	1,676,822	3,746,002	1,400	1,549,668	1,268,946	2,818,614
Type-4	m	---	---	---	0	0	0	0	0	0	0	0	0	0	0	0
Type-5	m	---	---	---	0	0	0	0	0	0	0	0	0	0	0	0
Type-6	m	---	---	---	0	0	0	0	0	0	0	0	0	0	0	0
Type-7	m	---	---	---	0	0	0	0	0	0	0	0	0	0	0	0
Type-8	m	---	---	---	0	0	0	0	0	0	0	0	0	0	0	0
(Replacement)	Total					825,720	634,473	1,460,193		1,002,660	770,432	1,773,092		589,800	453,195	1,042,995
Type-1	m	942	720	1,662	0	0	0	0	0	0	0	0	0	0	0	0
Type-2	m	1,074	815	1,888	0	0	0	0	0	0	0	0	0	0	0	0
Type-3	m	1,180	906	2,086	700	825,720	634,473	1,460,193	850	1,002,660	770,432	1,773,092	500	589,800	453,195	1,042,995
Type-4	m	1,311	1,001	2,312	0	0	0	0	0	0	0	0	0	0	0	0
Type-5	m	1,958	1,345	3,303	0	0	0	0	0	0	0	0	0	0	0	0
Type-6	m	2,249	1,555	3,804	0	0	0	0	0	0	0	0	0	0	0	0
Type-7	m	2,587	1,789	4,375	0	0	0	0	0	0	0	0	0	0	0	0
Type-8	m	2,739	1,904	4,643	0	0	0	0	0	0	0	0	0	0	0	0
(Improvement)	Total					1,683,906	1,424,588	3,108,493		1,641,843	1,392,086	3,033,929		2,808,093	2,363,491	5,171,584
Type-1	m	852	720	1,572	1,350	1,150,646	971,393	2,122,038	675	575,323	485,696	1,061,019		0	0	0
Type-2	m	973	815	1,787	0	0	0	0	0	0	0	0	1,900	1,848,225	1,547,740	3,395,965
Type-3	m	1,067	906	1,973	500	533,260	453,195	986,455	1,000	1,066,520	906,390	1,972,910	900	959,868	815,751	1,775,619
Type-4	m	1,187	1,001	2,188	0	0	0	0	0	0	0	0	0	0	0	0
Type-5	m	1,744	1,345	3,088	0	0	0	0	0	0	0	0	0	0	0	0
Type-6	m	2,001	1,555	3,556	0	0	0	0	0	0	0	0	0	0	0	0
Type-7	m	2,304	1,789	4,093	0	0	0	0	0	0	0	0	0	0	0	0
Type-8	m	2,440	1,904	4,344	0	0	0	0	0	0	0	0	0	0	0	0
Branch Canal	Total				0	0	0	0	0	0	0	0	0	0	0	0
Type-1	m	852	720	1,572	0	0	0	0	0	0	0	0	0	0	0	0
Type-2	m	973	815	1,787	0	0	0	0	0	0	0	0	0	0	0	0
Type-3	m	1,067	906	1,973	0	0	0	0	0	0	0	0	0	0	0	0
Type-4	m	1,187	1,001	2,188	0	0	0	0	0	0	0	0	0	0	0	0
Main Farm Ditch	m	188	1	189	1,010	189,880	1,010	190,890	1,680	315,840	1,680	317,520	2,930	550,840	2,930	553,770
Escape	Total				1	2,620	2,247	4,867	1	2,620	2,247	4,867	2	5,240	4,495	9,735
Type-1	nos	2,620	2,247	4,867	1	2,620	2,247	4,867	1	2,620	2,247	4,867	2	5,240	4,495	9,735
Type-2	nos	4,324	3,514	7,838	0	0	0	0	0	0	0	0	0	0	0	0
Type-3	nos	7,305	5,614	12,919	0	0	0	0	0	0	0	0	0	0	0	0
Drainage Crossing	nos	15,382	12,235	27,616	1	15,382	12,235	27,616	2	30,763	24,469	55,233	0	0	0	0
Catch Drain	nos	17,299	11,620	28,919	2	34,598	23,240	57,838	1	17,299	11,620	28,919	2	34,598	23,240	57,838
Road Crossing	Total				1	8,746	7,046	15,792	3	26,239	21,137	47,377	1	4,796	3,364	8,361
Type-1	nos	4,068	3,351	7,419	0	0	0	0	0	0	0	0	1	4,068	3,351	7,419
Type-2	nos	8,746	7,046	15,792	1	8,746	7,046	15,792	3	26,239	21,137	47,377	0	0	0	0
Type-3	nos	23,518	17,370	40,888	0	0	0	0	0	0	0	0	0	0	0	0
Road crossing in field	nos	728	213	941	0	0	0	0	0	0	0	0	1	728	213	941
Aqueduct	Total				0	0	0	0	0	0	0	0	1	229,088	151,072	380,159
3m	nos	15,273	10,071	25,344	0	0	0	0	0	0	0	0	0	0	0	0
5m	nos	30,545	20,143	50,688	0	0	0	0	0	0	0	0	0	0	0	0
10m	nos	76,363	50,357	126,720	0	0	0	0	0	0	0	0	0	0	0	0
15m	nos	152,725	100,714	253,440	0	0	0	0	0	0	0	0	0	0	0	0
20m	nos	229,088	151,072	380,159	0	0	0	0	0	0	0	0	1	229,088	151,072	380,159
Field Diversion	Total				11	130,467	105,883	236,349	13	114,888	93,542	208,430	14	67,071	55,195	122,267
normal	nos	216	265	481	3	649	796	1,444	6	1,297	1,591	2,888	10	2,162	2,652	4,814
with shoot	nos	16,227	13,136	29,363	8	129,818	105,087	234,905	7	113,591	91,951	205,542	4	64,909	52,543	117,453
Diversion	Total				0	0	0	0	0	0	0	0	0	0	0	0
Type-1	nos	35,370	53,055	88,425	0	0	0	0	0	0	0	0	0	0	0	0
Type-2	nos	50,933	76,399	127,332	0	0	0	0	0	0	0	0	0	0	0	0
Type-3	nos	80,172	120,258	200,430	0	0	0	0	0	0	0	0	0	0	0	0
Drop	nos	11,792	7,757	19,549	0	0	0	0	1	11,792	7,757	19,549	2	23,584	15,513	39,097
Field Diversion Box	nos	4,642	4,148	8,790	30	139,265	124,429	263,693	44	204,255	182,496	386,750	69	320,308	286,186	606,495
Othrs	nos	2,758,162	28,727	2,786,889	1	2,758,162	28,727	2,786,889		0	0	0	0	0	0	0
Canal Works	Sub-Total					2,699,506	2,060,071	4,759,577		2,960,343	2,164,198	5,124,541		3,948,733	2,819,616	6,768,349
	Temporary Work 15%					404,926	309,011	713,937		444,051	324,630	768,681		592,310	422,942	1,015,252
	Total					3,104,432	2,369,082	5,473,514		3,404,394	2,488,828	5,893,222		4,541,043	3,242,558	7,783,601
Canal Structure Works	Sub-Total					3,089,240	303,806	3,393,046		407,857	343,268	751,125		684,686	539,266	1,223,952
	Temporary Work 15%					463,386	45,571	508,957		61,179	51,490	112,669		102,703	80,890	183,593
	Total					3,552,626	349,377	3,902,003		469,036	394,758	863,794		787,389	620,156	1,407,545
Grand TOTAL						6,657,058	2,718,459	9,375,517		3,873,430	2,883,586	6,757,016		5,328,432	3,862,714	9,191,146

Table 6-5 (5/6) Estimation of Canal and Structures

(unit : 1,000Rs.)

		Unit Price			AB-14 Mahadev Khola			AL-10 Kotkhu			AL-13 Lubhu			Total	(Rs.)			
		L.C.	F.C.	Total	Quantity	L.C.	F.C.	Total	Quantity	L.C.	F.C.	Total	Quantity			L.C.	F.C.	Total
		(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)			(Rs.)	(Rs.)	(Rs.)
Main Canal (Total)	Total				3,925	5,707,694	4,261,918	9,969,612	5,400	10,030,557	7,559,310	17,589,867	3,900	5,919,446	4,327,414	10,246,860		
	Type-1 m	---	---	---	0	0	0	0	0	0	0	0	0	0	0	0		
	Type-2 m	---	---	---	800	778,200	651,680	1,429,880	0	0	0	0	675	656,606	549,855	1,206,461		
	Type-3 m	---	---	---	1,350	1,453,937	1,223,627	2,677,564	350	373,282	317,237	690,519	1,275	1,444,623	1,155,647	2,600,270		
	Type-4 m	---	---	---	0	0	0	0	0	0	0	0	0	0	0	0		
	Type-5 m	---	---	---	1,775	3,475,557	2,386,612	5,862,168	2,900	5,057,194	3,899,253	8,956,447	1,950	3,818,217	2,621,912	6,440,129		
	Type-6 m	---	---	---	0	0	0	0	2,150	4,600,081	3,342,820	7,942,901	0	0	0	0		
	Type-7 m	---	---	---	0	0	0	0	0	0	0	0	0	0	0	0		
	Type-8 m	---	---	---	0	0	0	0	0	0	0	0	0	0	0	0		
(Replacement)	Total					3,623,007	2,499,911	6,122,917		2,699,112	1,865,760	4,564,872		4,702,917	3,301,704	8,004,621		
	Type-1 m	942	720	1,662		0	0	0		0	0	0		0	0	0		
	Type-2 m	1,074	815	1,888	0	0	0	0	0	0	0	0	0	0	0	0		
	Type-3 m	1,180	906	2,086	125	147,450	113,299	260,749	0	0	0	0	750	884,700	679,793	1,564,493		
	Type-4 m	1,311	1,001	2,312		0	0	0		0	0	0		0	0	0		
	Type-5 m	1,958	1,345	3,303	1,775	3,475,557	2,386,612	5,862,168	0	0	0	0	1,950	3,818,217	2,621,912	6,440,129		
	Type-6 m	2,249	1,555	3,804		0	0	0	1,200	2,699,112	1,865,760	4,564,872		0	0	0		
	Type-7 m	2,587	1,789	4,375		0	0	0		0	0	0		0	0	0		
	Type-8 m	2,739	1,904	4,643		0	0	0		0	0	0		0	0	0		
(Improvement)	Total					2,084,687	1,762,008	3,846,695		7,331,445	5,693,550	13,024,995		1,216,529	1,025,710	2,242,239		
	Type-1 m	852	720	1,572		0	0	0		0	0	0		0	0	0		
	Type-2 m	973	815	1,787	800	778,200	651,680	1,429,880	0	0	0	0	675	656,606	549,855	1,206,461		
	Type-3 m	1,067	906	1,973	1,225	1,306,487	1,110,328	2,416,815	350	373,282	317,237	690,519	525	559,923	475,855	1,035,778		
	Type-4 m	1,187	1,001	2,188		0	0	0		0	0	0		0	0	0		
	Type-5 m	1,744	1,345	3,088	0	0	0	0	2,900	5,057,194	3,899,253	8,956,447	0	0	0	0		
	Type-6 m	2,001	1,555	3,556		0	0	0	950	1,900,969	1,477,060	3,378,029		0	0	0		
	Type-7 m	2,304	1,789	4,093		0	0	0		0	0	0		0	0	0		
	Type-8 m	2,440	1,904	4,344		0	0	0		0	0	0		0	0	0		
Branch Canal	Total				2,865	2,441,925	2,061,511	4,503,436	5,575	5,386,833	4,547,001	9,933,833	3,300	3,050,519	2,562,239	5,612,757		
	Type-1 m	852	720	1,572	2,865	2,441,925	2,061,511	4,503,436	1,800	1,534,194	1,295,190	2,829,384	1,325	1,129,337	953,404	2,082,741		
	Type-2 m	973	815	1,787		0	0	0	1,850	1,799,588	1,507,010	3,306,598	1,975	1,921,181	1,608,835	3,530,016		
	Type-3 m	1,067	906	1,973		0	0	0	1,925	2,053,051	1,744,801	3,797,852		0	0	0		
	Type-4 m	1,187	1,001	2,188		0	0	0	0	0	0	0		0	0	0		
Main Farm Ditch	m	188	1	189	5,880	1,105,440	5,880	1,111,320	13,160	2,474,080	13,160	2,487,240	6,540	1,229,520	6,540	1,236,060		
Escape	Total				1	4,324	3,514	7,838	1	7,305	5,614	12,919	1	4,324	3,514	7,838		
	Type-1 nos	2,620	2,247	4,867	0	0	0	0	0	0	0	0	0	0	0	0		
	Type-2 nos	4,324	3,514	7,838	1	4,324	3,514	7,838	0	0	0	0	1	4,324	3,514	7,838		
	Type-3 nos	7,305	5,614	12,919	0	0	0	0	1	7,305	5,614	12,919	0	0	0	0		
Drainage Crossing	nos	15,382	12,235	27,616	1	15,382	12,235	27,616	1	15,382	12,235	27,616	0	0	0	0		
Catch Drain	nos	17,299	11,620	28,919	0	0	0	0	0	0	0	0	1	17,299	11,620	28,919		
Road Crossing	Total				9	72,274	56,875	129,149	15	112,610	84,344	196,955	8	57,393	45,708	103,101		
	Type-1 nos	4,068	3,351	7,419	2	8,137	6,702	14,839	12	48,820	40,213	89,033	3	12,205	10,053	22,258		
	Type-2 nos	8,746	7,046	15,792	7	61,225	49,320	110,545	1	8,746	7,046	15,792	5	43,732	35,229	78,961		
	Type-3 nos	23,518	17,370	40,888	0	0	0	0	2	47,037	34,740	81,777	0	0	0	0		
Road crossing in Field	nos	728	213	941	4	2,912	853	3,765	11	8,007	2,345	10,353	2	1,456	426	1,882		
Aqueduct	Total				1	30,545	20,143	50,688	0	0	0	0	0	0	0	0		
	3m nos	15,273	10,071	25,344		0	0	0		0	0	0		0	0	0		
	5m nos	30,545	20,143	50,688	1	30,545	20,143	50,688		0	0	0		0	0	0		
	10m nos	76,363	50,357	126,720		0	0	0		0	0	0		0	0	0		
	15m nos	152,725	100,714	253,440		0	0	0		0	0	0		0	0	0		
	20m nos	229,088	151,072	380,160		0	0	0		0	0	0		0	0	0		
Field Diversion	Total				35	551,944	446,885	998,829	46	90,001	76,553	166,553	39	104,498	87,567	192,065		
	normal nos	216	265	481	1	216	265	481	41	8,864	10,873	19,737	33	7,135	8,752	15,886		
	with shoot nos	16,227	13,136	29,363	34	551,728	446,620	998,347	5	81,136	65,679	146,816	6	97,364	78,815	176,179		
Diversion	Total				7	309,841	464,762	774,603	6	303,710	455,566	759,276	5	223,538	335,308	558,846		
	Type-1 nos	35,370	53,055	88,425	3	106,110	159,165	265,275	2	70,740	106,110	176,850	2	70,740	106,110	176,850		
	Type-2 nos	50,933	76,399	127,332	4	203,731	305,597	509,328	3	152,798	229,198	381,996	3	152,798	229,198	381,996		
	Type-3 nos	80,172	120,258	200,430	0	0	0	0	1	80,172	120,258	200,430	0	0	0	0		
Drop	nos	11,792	7,757	19,549	7	82,544	54,297	136,841	3	35,376	23,270	58,646	0	0	0	0		
Field Diversion Box	nos	4,642	4,148	8,790	133	617,406	551,635	1,169,041	300	1,392,645	1,244,289	2,636,934	165	765,955	684,359	1,450,314		
Othres	nos	2,758,162	28,727	2,786,889		0	0	0		0	0	0		0	0	0		
Canal Works	Sub-Total				9,255,059	6,329,309	15,584,368		17,891,470	12,119,470	30,010,940		10,199,485	6,896,193	17,095,678			
	Temporary Work 15%				1,388,259	949,396	2,337,655		2,683,721	1,817,921	4,501,642		1,529,923	1,034,429	2,564,352			
	Total				10,643,318	7,278,705	17,922,023		20,575,191	13,937,391	34,512,582		11,729,408	7,930,622	19,660,030			
Canal Structure Works	Sub-Total				1,684,259	1,610,345	3,294,604		1,957,029	1,901,870	3,858,899		1,173,007	1,168,076	2,341,083			
	Temporary Work 15%				252,639	241,552	494,191		293,554	285,281	578,835		175,951	175,211	351,162			
	Total				1,936,898	1,851,897	3,788,795		2,250,583	2,187,151	4,437,734		1,348,958	1,343,287	2,692,245			
Grand TOTAL					12,580,216	9,130,602	21,710,818		22,825,774	16,124,542	38,950,316		13,078,366	9,273,909	22,352,275			

Table 6-5 (6/6) Estimation of Canal and Structures

(unit : 1,000Rs.)

		Unit Price			AL-19 Thika Bhalraw I (NO.1)				AL-19 Thika Bhalraw I (NO.2)				AL-20 Thika Bhalraw II				
		L.C.	F.C.	Total	Quantity	L.C.	F.C.	Total	Quantity	L.C.	F.C.	Total	Quantity	L.C.	F.C.	Total	
		(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)
Main Canal (Total)	Total				1,125	2,202,818	1,512,641	3,715,459	9,050	21,167,168	14,971,013	36,138,181	5,925	7,034,413	5,307,343	12,541,756	
	Type-1 m	---	---	---	0	0	0	0	0	0	0	0	0	0	0	0	
	Type-2 m	---	---	---	0	0	0	0	750	729,563	610,950	1,340,513	1,200	1,167,300	977,520	2,144,820	
	Type-3 m	---	---	---	0	0	0	0	0	0	0	0	2,125	2,458,591	1,926,079	4,384,670	
	Type-4 m	---	---	---	0	0	0	0	0	0	0	2,600	3,408,522	2,603,744	6,012,266		
	Type-5 m	---	---	---	1,125	2,202,818	1,512,641	3,715,459	2,175	3,958,901	2,924,440	6,883,340	0	0	0	0	
	Type-6 m	---	---	---	0	0	0	0	0	0	0	0	0	0	0	0	
	Type-7 m	---	---	---	0	0	0	0	1,950	5,044,007	3,487,634	8,531,640	0	0	0	0	
	Type-8 m	---	---	---	0	0	0	0	4,175	11,434,699	7,947,989	19,382,688	0	0	0	0	
(Replacement)	Total					2,202,818	1,512,641	3,715,459		17,996,202	12,477,665	30,473,866		5,413,842	4,144,607	9,558,449	
	Type-1 m	942	720	1,662		0	0	0		0	0	0		0	0	0	
	Type-2 m	1,074	815	1,888		0	0	0	0	0	0	0		0	0	0	
	Type-3 m	1,180	906	2,086		0	0	0		0	0	0	1,700	2,005,320	1,540,863	3,546,183	
	Type-4 m	1,311	1,001	2,312		0	0	0		0	0	2,600	3,408,522	2,603,744	6,012,266		
	Type-5 m	1,958	1,345	3,303	1,125	2,202,818	1,512,641	3,715,459	775	1,517,497	1,042,042	2,559,538		0	0	0	
	Type-6 m	2,249	1,555	3,804		0	0	0		0	0	0		0	0	0	
	Type-7 m	2,587	1,789	4,375		0	0	0	1,950	5,044,007	3,487,634	8,531,640		0	0	0	
	Type-8 m	2,739	1,904	4,643		0	0	0	4,175	11,434,699	7,947,989	19,382,688		0	0	0	
(Improvement)	Total					0	0	0		3,170,967	2,493,348	5,664,315		1,620,571	1,362,736	2,983,307	
	Type-1 m	852	720	1,572		0	0	0		0	0	0		0	0	0	
	Type-2 m	973	815	1,787		0	0	0	750	729,563	610,950	1,340,513	1,200	1,167,300	977,520	2,144,820	
	Type-3 m	1,067	906	1,973		0	0	0		0	0	0	425	453,271	385,216	838,487	
	Type-4 m	1,187	1,001	2,188		0	0	0		0	0	0	0	0	0	0	
	Type-5 m	1,744	1,345	3,088	0	0	0	0	1,400	2,441,404	1,882,398	4,323,802		0	0	0	
	Type-6 m	2,001	1,555	3,556		0	0	0		0	0	0		0	0	0	
	Type-7 m	2,304	1,789	4,093		0	0	0	0	0	0	0		0	0	0	
	Type-8 m	2,440	1,904	4,344		0	0	0	0	0	0	0		0	0	0	
Branch Canal	Total				0	0	0	0	11,240	10,752,774	9,053,654	19,806,428	920	869,642	729,472	1,599,113	
	Type-1 m	852	720	1,572		0	0	0	5,280	4,500,302	3,799,224	8,299,526	210	178,989	151,106	330,095	
	Type-2 m	973	815	1,787		0	0	0	3,690	3,589,448	3,005,874	6,595,322	710	690,653	578,366	1,269,019	
	Type-3 m	1,067	906	1,973		0	0	0	260	277,295	235,661	512,957		0	0	0	
	Type-4 m	1,187	1,001	2,188		0	0	0	2,010	2,385,729	2,012,894	4,398,624		0	0	0	
Main Farm Ditch	m	188	1	189	40	7,520	40	7,560	27,730	5,213,240	27,730	5,240,970	3,250	611,000	3,250	614,250	
Escape	Total				1	7,305	5,614	12,919	1	7,305	5,614	12,919	2	6,944	5,761	12,705	
	Type-1 nos	2,620	2,247	4,867	0	0	0	0		0	0	0	1	2,620	2,247	4,867	
	Type-2 nos	4,324	3,514	7,838	0	0	0	0		0	0	0	1	4,324	3,514	7,838	
	Type-3 nos	7,305	5,614	12,919	1	7,305	5,614	12,919	1	7,305	5,614	12,919	0	0	0	0	
Drainage Crossing	nos	15,382	12,235	27,616	0	0	0	0	5	76,909	61,173	138,082	0	0	0	0	
Catch Drain	nos	17,299	11,620	28,919	0	0	0	0	2	34,598	23,240	57,838	2	34,598	23,240	57,838	
Road Crossing	Total				0	0	0	0	35	413,306	312,399	725,704	1	8,746	7,046	15,792	
	Type-1 nos	4,068	3,351	7,419	0	0	0	0	11	44,751	36,862	81,614	0	0	0	0	
	Type-2 nos	8,746	7,046	15,792	0	0	0	0	14	122,451	98,640	221,090	1	8,746	7,046	15,792	
	Type-3 nos	23,518	17,370	40,888	0	0	0	0	10	235,185	173,699	408,883	0	0	0	0	
Road crossing in field	nos	728	213	941	0	0	0	0	15	10,919	3,198	14,117	0	0	0	0	
Aqueduct	Total				0	0	0	0	0	0	0	0	0	3	183,270	120,857	304,128
	3m nos	15,273	10,071	25,344		0	0	0		0	0	0	2	30,545	20,143	50,688	
	5m nos	30,545	20,143	50,688		0	0	0		0	0	0		0	0	0	
	10m nos	76,363	50,357	126,720		0	0	0		0	0	0		0	0	0	
	15m nos	152,725	100,714	253,440		0	0	0		0	0	0	1	152,725	100,714	253,440	
	20m nos	229,088	151,072	380,159		0	0	0		0	0	0	0	0	0	0	
Field Diversion	Total				3	649	796	1,444	84	386,416	318,302	704,718	27	294,037	238,832	532,869	
	normal nos	216	265	481	3	649	796	1,444	61	13,188	16,177	29,365	9	1,946	2,387	4,333	
	with shoot nos	16,227	13,136	29,363	0	0	0	0	23	373,227	302,125	675,352	18	292,091	236,446	528,537	
Diversion	Total				0	0	0	0	16	959,234	1,438,852	2,398,086	2	70,740	106,110	176,850	
	Type-1 nos	35,370	53,055	88,425	0	0	0	0	2	70,740	106,110	176,850	2	70,740	106,110	176,850	
	Type-2 nos	50,933	76,399	127,332	0	0	0	0	8	407,462	611,194	1,018,656	0	0	0	0	
	Type-3 nos	80,172	120,258	200,430	0	0	0	0	6	481,032	721,548	1,202,580	0	0	0	0	
Drop	nos	11,792	7,757	19,549	0	0	0	0	15	176,880	116,351	293,231	1	11,792	7,757	19,549	
Field Diversion Box	nos	4,642	4,148	8,790	3	13,926	12,443	26,369	619	2,873,491	2,567,383	5,440,874	88	408,509	364,991	773,501	
Others	nos	2,758,162	28,727	2,786,889		0	0	0		0	0	0		0	0	0	
Canal Works	Sub-Total					2,210,338	1,512,681	3,723,019		37,133,183	24,052,396	61,185,579		8,515,055	6,240,064	14,755,119	
	Temporary Work 15%					331,551	226,902	558,453		5,569,977	3,607,859	9,177,836		1,277,258	936,010	2,213,268	
	Total					2,541,889	1,739,583	4,281,472		42,703,160	27,660,255	70,363,415		9,792,313	7,176,074	16,968,387	
Canal Structure Works	Sub-Total					21,880	18,853	40,733		4,928,138	4,843,313	9,771,451		1,018,637	874,595	1,893,232	
	Temporary Work 15%					3,282	2,828	6,110		739,221	726,497	1,465,718		152,796	131,189	283,985	
	Total					25,162	21,681	46,843		5,667,359	5,569,810	11,237,169		1,171,433	1,005,784	2,177,217	
Grand TOTAL						2,567,051	1,761,264	4,328,315		48,370,519	33,230,065	81,600,584		10,963,746	8,181,858	19,145,604	

Table 6-6 Breakdown of Cost for Procuring O&M Equipment

Item	Unit	Quantity	Local Currency		Foreign Currency		Total (1,000Rs)	Remarks
			Unit price (Rs.)	Amount (1,000Rs)	Unit price (Rs.)	Amount (1,000Rs)		
Equipment for DIO								
Jeep	nos	3	580,000	1,740	1,100,000	3,300	5,040	
Pick up Truck	nos	3	500,000	1,500	930,000	2,790	4,290	
Motor Cycle	nos	6	34,000	204	62,000	372	576	
Bicycle	nos	9	1,700	15	3,100	27	42	
Audio Visual Set	nos	3	83,000	249	155,000	465	714	
Survey Equipment	nos	3	170,000	510	306,000	918	1,428	
Tool set	nos	3	8,300	24	15,500	46	70	
Portable concrete Mixer	nos	3	375,000	1,125	696,000	2,088	3,213	
sub-total				5,367		10,006	15,373	
Equipment for WUA								
Shovel	nos	300	370	111	1,060	318	429	
Bamboo Basket	nos	300	60	18	180	54	72	
Sickle	nos	300	130	39	350	105	144	
Tool set	nos	26	1,360	35	3,400	88	123	
Wooden Tamper	nos	26	840	21	1,540	40	61	
sub-total				224		605	829	
Building Facilities								
Brick made office	unit	13	171,500	2,229	73,500	955	3,184	
Typewriter	nos	13	8,300	107	15,500	201	308	
Desk and Chair	nos	39	3,300	128	6,200	241	369	
Mimeographing Machine	nos	13	5,000	65	9,300	120	185	
Land Aquisition	unit	13	200,000	2,600	0	0	2,600	1unit=50m2
sub-total				5,129		1,517	6,646	
TOTAL				10,720		12,128	22,848	

Table 6-7 Estimation of Annual O&M Cost

(unit : NRs)

Scheme	Area (ha.)	nos of unit	Total Amount of Water Charge /year	Total Amount of Annual O&M Cost			Maintenance Cost					Salary of Office Staff			
				LC	FC	Total	Construction Cost (1000Rs)		1% of construction cost			4,000 Rs/staff/month			
							LC	FC	LC	FC	Total	nos	LC	FC	Total
		0.3	100										4,000	0	
Bishmambhara	115	383	460,000	245,431	70,410	316,635	8,798	6,466	87,980	64,660	152,640	3	144,000	0	144,000
Boshan	153	510	612,000	265,376	84,370	350,802	10,348	7,672	103,480	76,720	180,200	3	144,000	0	144,000
Daksinkali	84	280	336,000	186,085	64,650	251,315	8,026	6,045	80,260	60,450	140,710	2	96,000	0	96,000
Indrayani	126	420	504,000	241,608	66,540	309,017	8,287	6,024	82,870	60,240	143,110	3	144,000	0	144,000
Shali Nadi	196	653	784,000	350,095	103,080	454,528	13,517	9,328	135,170	93,280	228,450	4	192,000	0	192,000
Bidol	40	133	160,000	169,259	30,900	200,435	6,858	2,890	68,580	28,900	97,480	2	96,000	0	96,000
Katunje	50	167	200,000	142,968	33,370	176,683	4,112	3,087	41,120	30,870	71,990	2	96,000	0	96,000
Kutudhal	54	180	216,000	158,756	43,750	202,879	5,644	4,105	56,440	41,050	97,490	2	96,000	0	96,000
Mahadev Khola	140	467	560,000	304,505	113,450	418,921	14,413	10,645	144,130	106,450	250,580	3	144,000	0	144,000
Kotkhu	308	1027	1,232,000	463,026	182,760	647,911	23,500	16,736	235,000	167,360	402,360	4	192,000	0	192,000
Lubhu	163	543	652,000	309,226	111,520	421,870	14,616	10,337	146,160	103,370	249,530	3	144,000	0	144,000
Thika Bhairaw-I	621	2070	2,484,000	868,956	444,010	1,317,251	60,432	41,296	604,320	412,960	1,017,280	4	192,000	0	192,000
Thika Bhairaw-II	110	367	440,000	311,086	114,570	426,415	15,422	10,907	154,220	109,070	263,290	3	144,000	0	144,000
	2,160	7200	8,640,000	4,016,378	1,463,380	5,494,662			1,939,730	1,355,380	3,295,110		1,824,000	0	1,824,000

Scheme	Area (ha.)	nos of unit	Material Cost for Information Paper				Fuel (Diesel)			
			50 Rs/year			30 l/month/100ha.x2cars				
			nos	LC	FC	Total	Lit.	LC	FC	Total
		0.3		35	15	50	30	0	12	12
Bishmambhara	115	0	383	13,417	5,750	19,167	35	0	828	828
Boshan	153	0	510	17,850	7,650	25,500	46	0	1,102	1,102
Daksinkali	84	0	280	9,800	4,200	14,000	25	0	605	605
Indrayani	126	0	420	14,700	6,300	21,000	38	0	907	907
Shali Nadi	196	0	653	22,867	9,800	32,667	59	0	1,411	1,411
Bidol	40	0	133	4,667	2,000	6,667	12	0	288	288
Katunje	50	0	167	5,833	2,500	8,333	15	0	360	360
Kutudhal	54	0	180	6,300	2,700	9,000	16	0	389	389
Mahadev Khola	140	0	467	16,333	7,000	23,333	42	0	1,008	1,008
Kotkhu	308	0	1027	35,933	15,400	51,333	92	0	2,218	2,218
Lubhu	163	0	543	19,017	8,150	27,167	49	0	1,174	1,174
Thika Bhairaw-I	621	0	2070	72,450	31,050	103,500	186	0	4,471	4,471
Thika Bhairaw-II	110	0	367	12,833	5,500	18,333	33	0	792	792
	2,160	0		252,000	108,000	360,000		0	15,552	15,552

Table 6-8 Summary of Project Cost

(unit : 1,000NRs)

Scheme	1st.year			2nd.year			3rd.year			TOTAL		
	LC	FC	total	LC	FC	total	LC	FC	total	LC	FC	total
Bishmambhara	806	1,880	2,686	10,931	7,993	18,924	0	0	0	11,737	9,873	21,610
Boshan	833	1,942	2,775	9,663	7,292	16,955	3,729	2,568	6,297	14,225	11,802	26,027
Daksinkali	743	1,734	2,477	9,980	7,457	17,437	0	0	0	10,723	9,191	19,914
Indrayani	756	1,764	2,520	10,294	7,452	17,746	0	0	0	11,050	9,216	20,266
Shali Nadi	1,056	2,462	3,518	12,547	8,891	21,438	4,912	3,181	8,093	18,515	14,534	33,049
Bidol	515	1,201	1,716	8,411	3,777	12,188	0	0	0	8,926	4,978	13,904
Katunje	380	887	1,267	5,112	3,810	8,922	0	0	0	5,492	4,697	10,189
Kutudhal	515	1,201	1,716	7,010	5,077	12,087	0	0	0	7,525	6,278	13,803
Mahadev Khola	1,323	3,087	4,410	17,910	13,152	31,062	0	0	0	19,233	16,239	35,472
Kotkhu	1,860	4,337	6,197	21,272	15,560	36,832	9,180	6,046	15,226	32,312	25,943	58,255
Lubhu	1,317	3,075	4,392	18,140	12,814	30,954	0	0	0	19,457	15,889	35,346
Thika Bhairaw-I	4,029	9,399	13,428	42,260	30,591	72,851	38,269	24,939	63,208	84,558	64,929	149,487
Thika Bhairaw-II	1,216	2,838	4,054	15,346	10,895	26,241	4,468	3,167	7,635	21,030	16,900	37,930
Total	15,349	35,807	51,156	188,876	134,761	323,637	60,558	39,901	100,459	264,783	210,469	475,252

Table 6-9 (1/3) Annual Disbursement Schedule

(Unit : 1,000NRs.)

	1st year			2nd year			3rd year			TOTAL		
	LC	FC	total	LC	FC	total	LC	FC	total	LC	FC	total
Bishwambhara												
1 Construction Cost				8,798	6,466	15,264	0	0	0	8,798	6,466	15,264
a Intake				116	173	289	0	0	0	116	173	289
b Canal				7,379	5,199	12,578	0	0	0	7,379	5,199	12,578
c Canal Structure				1,303	1,094	2,397	0	0	0	1,303	1,094	2,397
2 Engineers Cost	256	598	854	64	150	214				320	748	1,068
3 Admini. Cost	550	1,282	1,832	137	321	458				687	1,603	2,290
4 Cost for procuring O&M equipment				497	562	1,059				497	562	1,059
sub-total	806	1,880	2,686	9,496	7,499	16,995	0	0	0	10,302	9,379	19,681
5 Contingencies 3%	0	0	0	264	194	458	0	0	0	264	194	458
sub-total	806	1,880	2,686	9,760	7,693	17,453	0	0	0	10,566	9,573	20,139
6 Price Escalation	0.00%	0.00%	0	12.00%	3.90%	0	25.44%	7.95%	0	1,171	300	1,471
	0	0	0	1,171	300	1,471	0	0	0	1,171	300	1,471
TOTAL	806	1,880	2,686	10,931	7,993	18,924	0	0	0	11,737	9,873	21,610
Boshan												
1 Construction Cost				7,577	5,631	13,208	2,771	2,041	4,812	10,348	7,672	18,020
a Intake				1,113	867	1,980	0	0	0	1,113	867	1,980
b Canal				5,776	4,107	9,883	2,476	1,760	4,236	8,252	5,867	14,119
c Canal Structure				688	657	1,345	295	281	576	983	938	1,921
2 Engineers Cost	265	618	883	76	176	252	38	88	126	379	882	1,261
3 Admini. Cost	568	1,324	1,892	162	379	541	81	189	270	811	1,892	2,703
4 Cost for procuring O&M equipment				586	663	1,249				586	663	1,249
sub-total	833	1,942	2,775	8,401	6,849	15,250	2,890	2,318	5,208	12,124	11,109	23,233
5 Physical Contiguen 3%	0	0	0	227	169	396	83	61	144	310	230	540
sub-total	833	1,942	2,775	8,628	7,018	15,646	2,973	2,379	5,352	12,434	11,339	23,773
6 Price Escalation	0.00%	0.00%	0	12.00%	3.90%	0	25.44%	7.95%	0	1,791	463	2,254
	0	0	0	1,035	274	1,309	756	189	945	1,791	463	2,254
TOTAL	833	1,942	2,775	9,663	7,292	16,955	3,729	2,568	6,297	14,225	11,802	26,027
Daksinkali												
1 Construction Cost				8,026	6,045	14,071	0	0	0	8,026	6,045	14,071
a Intake				399	313	712	0	0	0	399	313	712
b Canal				6,868	5,027	11,895	0	0	0	6,868	5,027	11,895
c Canal Structure				759	705	1,464	0	0	0	759	705	1,464
2 Engineers Cost	236	552	788	59	138	197				295	690	985
3 Admini. Cost	507	1,182	1,689	127	295	422				634	1,477	2,111
4 Cost for procuring O&M equipment				458	518	976				458	518	976
sub-total	743	1,734	2,477	8,670	6,996	15,666	0	0	0	9,413	8,730	18,143
5 Physical Contiguen 3%	0	0	0	241	181	422	0	0	0	241	181	422
sub-total	743	1,734	2,477	8,911	7,177	16,088	0	0	0	9,654	8,911	18,565
6 Price Escalation	0.00%	0.00%	0	12.00%	3.90%	0	25.44%	7.95%	0	1,069	280	1,349
	0	0	0	1,069	280	1,349	0	0	0	1,069	280	1,349
TOTAL	743	1,734	2,477	9,980	7,457	17,437	0	0	0	10,723	9,191	19,914
Indrayani												
1 Construction Cost				8,287	6,024	14,311	0	0	0	8,287	6,024	14,311
a Intake				462	404	866	0	0	0	462	404	866
b Canal				6,766	4,568	11,334	0	0	0	6,766	4,568	11,334
c Canal Structure				1,059	1,052	2,111	0	0	0	1,059	1,052	2,111
2 Engineers Cost	241	561	802	60	140	200				301	701	1,002
3 Admini. Cost	515	1,203	1,718	129	300	429				644	1,503	2,147
4 Cost for procuring O&M equipment				466	527	993				466	527	993
sub-total	756	1,764	2,520	8,942	6,991	15,933	0	0	0	9,698	8,755	18,453
5 Physical Contiguen 3%	0	0	0	249	181	430	0	0	0	249	181	430
sub-total	756	1,764	2,520	9,191	7,172	16,363	0	0	0	9,947	8,936	18,883
6 Price Escalation	0.00%	0.00%	0	12.00%	3.90%	0	25.44%	7.95%	0	1,103	280	1,383
	0	0	0	1,103	280	1,383	0	0	0	1,103	280	1,383
TOTAL	756	1,764	2,520	10,294	7,452	17,746	0	0	0	11,050	9,216	20,266
Shali Nadi												
1 Construction Cost				9,862	6,809	16,671	3,655	2,519	6,174	13,517	9,328	22,845
a Intake				1,335	930	2,265	0	0	0	1,335	930	2,265
b Canal				7,692	5,142	12,834	3,297	2,203	5,500	10,989	7,345	18,334
c Canal Structure				835	737	1,572	358	316	674	1,193	1,053	2,246
2 Engineers Cost	336	783	1,119	96	224	320	48	112	160	480	1,119	1,599
3 Admini. Cost	720	1,679	2,399	206	479	685	103	240	343	1,029	2,398	3,427
4 Cost for procuring O&M equipment				743	841	1,584				743	841	1,584
sub-total	1,056	2,462	3,518	10,907	8,353	19,260	3,806	2,871	6,677	15,769	13,686	29,455
5 Physical Contiguen 3%	0	0	0	296	204	500	110	76	186	406	280	686
sub-total	1,056	2,462	3,518	11,203	8,557	19,760	3,916	2,947	6,863	16,175	13,966	30,141
6 Price Escalation	0.00%	0.00%	0	12.00%	3.90%	0	25.44%	7.95%	0	1,230	568	2,908
	0	0	0	1,344	334	1,678	996	234	1,230	2,340	568	2,908
TOTAL	1,056	2,462	3,518	12,547	8,891	21,438	4,912	3,181	8,093	18,515	14,534	33,049

Table 6-9 (2/3) Annual Disbursement Schedule

(Unit : 1,000NRs.)

	1st.year			2nd.year			3rd.year			TOTAL		
	LC	FC	total	LC	FC	total	LC	FC	total	LC	FC	total
Bidol												
1 Construction Cost				6,858	2,890	9,748	0	0	0	6,858	2,890	9,748
a Intake				201	172	373	0	0	0	201	172	373
b Canal				3,104	2,369	5,473	0	0	0	3,104	2,369	5,473
c Canal Structure				3,553	349	3,902	0	0	0	3,553	349	3,902
2 Engineers Cost	164	382	546	41	95	136				205	477	682
3 Admini. Cost	351	819	1,170	88	204	292				439	1,023	1,462
4 Cost for procuring O&M equipment				317	359	676				317	359	676
sub-total	515	1,201	1,716	7,304	3,548	10,852	0	0	0	7,819	4,749	12,568
5 Physical Contiguen 3%	0	0	0	206	87	293	0	0	0	206	87	293
sub-total	515	1,201	1,716	7,510	3,635	11,145	0	0	0	8,025	4,836	12,861
6 Price Escalation	0.00%	0.00%	0	12.00%	3.90%		25.44%	7.95%				
	0	0	0	901	142	1,043	0	0	0	901	142	1,043
TOTAL	515	1,201	1,716	8,411	3,777	12,188	0	0	0	8,926	4,978	13,904
Katunje												
1 Construction Cost				4,112	3,087	7,199	0	0	0	4,112	3,087	7,199
a Intake				239	203	442	0	0	0	239	203	442
b Canal				3,404	2,489	5,893	0	0	0	3,404	2,489	5,893
c Canal Structure				469	395	864	0	0	0	469	395	864
2 Engineers Cost	121	282	403	30	71	101				151	353	504
3 Admini. Cost	259	605	864	65	151	216				324	756	1,080
4 Cost for procuring O&M equipment				234	265	499				234	265	499
sub-total	380	887	1,267	4,441	3,574	8,015	0	0	0	4,821	4,461	9,282
5 Physical Contiguen 3%	0	0	0	123	93	216	0	0	0	123	93	216
sub-total	380	887	1,267	4,564	3,667	8,231	0	0	0	4,944	4,554	9,498
6 Price Escalation	0.00%	0.00%	0	12.00%	3.90%		25.44%	7.95%				
	0	0	0	548	143	691	0	0	0	548	143	691
TOTAL	380	887	1,267	5,112	3,810	8,922	0	0	0	5,492	4,697	10,189
Kutudhal												
1 Construction Cost				5,644	4,105	9,749	0	0	0	5,644	4,105	9,749
a Intake				316	242	558	0	0	0	316	242	558
b Canal				4,541	3,243	7,784	0	0	0	4,541	3,243	7,784
c Canal Structure				787	620	1,407	0	0	0	787	620	1,407
2 Engineers Cost	164	382	546	41	95	136				205	477	682
3 Admini. Cost	351	819	1,170	88	204	292				439	1,023	1,462
4 Cost for procuring O&M equipment				317	359	676				317	359	676
sub-total	515	1,201	1,716	6,090	4,763	10,853	0	0	0	6,605	5,964	12,569
5 Physical Contiguen 3%	0	0	0	169	123	292	0	0	0	169	123	292
sub-total	515	1,201	1,716	6,259	4,886	11,145	0	0	0	6,774	6,087	12,861
6 Price Escalation	0.00%	0.00%	0	12.00%	3.90%		25.44%	7.95%				
	0	0	0	751	191	942	0	0	0	751	191	942
TOTAL	515	1,201	1,716	7,010	5,077	12,087	0	0	0	7,525	6,278	13,803
Mahadev Khola												
1 Construction Cost				14,413	10,645	25,058	0	0	0	14,413	10,645	25,058
a Intake				1,833	1,514	3,347	0	0	0	1,833	1,514	3,347
b Canal				10,643	7,279	17,922	0	0	0	10,643	7,279	17,922
c Canal Structure				1,937	1,852	3,789	0	0	0	1,937	1,852	3,789
2 Engineers Cost	421	982	1,403	105	246	351				526	1,228	1,754
3 Admini. Cost	902	2,105	3,007	226	526	752				1,128	2,631	3,759
4 Cost for procuring O&M equipment				815	922	1,737				815	922	1,737
sub-total	1,323	3,087	4,410	15,559	12,339	27,898	0	0	0	16,882	15,426	32,308
5 Physical Contiguen 3%	0	0	0	432	319	751	0	0	0	432	319	751
sub-total	1,323	3,087	4,410	15,991	12,658	28,649	0	0	0	17,314	15,745	33,059
6 Price Escalation	0.00%	0.00%	0	12.00%	3.90%		25.44%	7.95%				
	0	0	0	1,919	494	2,413	0	0	0	1,919	494	2,413
TOTAL	1,323	3,087	4,410	17,910	13,152	31,062	0	0	0	19,233	16,239	35,472
Kotkhu												
1 Construction Cost				16,653	11,899	28,552	6,847	4,837	11,684	23,500	16,736	40,236
a Intake				674	612	1,286	0	0	0	674	612	1,286
b Canal				14,403	9,756	24,159	6,172	4,181	10,353	20,575	13,937	34,512
c Canal Structure				1,576	1,531	3,107	675	656	1,331	2,251	2,187	4,438
2 Engineers Cost	592	1,380	1,972	169	394	563	85	197	282	846	1,971	2,817
3 Admini. Cost	1,268	2,957	4,225	362	845	1,207	181	422	603	1,811	4,224	6,035
4 Cost for procuring O&M equipment				1,309	1,481	2,790				1,309	1,481	2,790
sub-total	1,860	4,337	6,197	18,493	14,619	33,112	7,113	5,456	12,569	27,466	24,412	51,878
5 Physical Contiguen 3%	0	0	0	500	357	857	205	145	350	705	502	1,207
sub-total	1,860	4,337	6,197	18,993	14,976	33,969	7,318	5,601	12,919	28,171	24,914	53,085
6 Price Escalation	0.00%	0.00%	0	12.00%	3.90%		25.44%	7.95%				
	0	0	0	2,279	584	2,863	1,862	445	2,307	4,141	1,029	5,170
TOTAL	1,860	4,337	6,197	21,272	15,560	36,832	9,180	6,046	15,226	32,312	25,943	58,255

Table 6-9 (3/3) Annual Disbursement Schedule

(Unit : 1,000NRs.)

	1st.year			2nd.year			3rd.year			TOTAL		
	LC	FC	total	LC	FC	total	LC	FC	total	LC	FC	total
Lubhu												
1 Construction Cost				14,616	10,337	24,953	0	0	0	14,616	10,337	24,953
a Intake				1,538	1,063	2,601	0	0	0	1,538	1,063	2,601
b Canal				11,729	7,931	19,660	0	0	0	11,729	7,931	19,660
c Canal Structure				1,349	1,343	2,692	0	0	0	1,349	1,343	2,692
2 Engineers Cost	419	979	1,398	105	244	349				524	1,223	1,747
3 Admini. Cost	898	2,096	2,994	225	524	749				1,123	2,620	3,743
4 Cost for procuring O&M equipment				812	918	1,730				812	918	1,730
sub-total	1,317	3,075	4,392	15,758	12,023	27,781	0	0	0	17,075	15,098	32,173
5 Physical Contiguen 3%	0	0	0	438	310	748	0	0	0	438	310	748
sub-total	1,317	3,075	4,392	16,196	12,333	28,529	0	0	0	17,513	15,408	32,921
6 Price Escalation	0.00%	0.00%	0	12.00%	3.90%	2,425	25.44%	7.95%	0	1,944	481	2,425
	0	0	0	1,944	481	2,425	0	0	0	1,944	481	2,425
TOTAL	1,317	3,075	4,392	18,140	12,814	30,954	0	0	0	19,457	15,889	35,346
Thika Bhairaw I												
1 Construction Cost				32,116	21,909	54,025	28,316	19,387	47,703	60,432	41,296	101,728
a Intake				6,647	4,413	11,060	2,848	1,891	4,739	9,495	6,304	15,799
b Canal				22,623	14,700	37,323	22,622	14,700	37,322	45,245	29,400	74,645
c Canal Structure				2,846	2,796	5,642	2,846	2,796	5,642	5,692	5,592	11,284
2 Engineers Cost	1,282	2,991	4,273	427	997	1,424	427	997	1,424	2,136	4,985	7,121
3 Admini. Cost	2,747	6,408	9,155	916	2,136	3,052	916	2,136	3,052	4,579	10,680	15,259
4 Cost for procuring O&M equipment				3,310	3,744	7,054				3,310	3,744	7,054
sub-total	4,029	9,399	13,428	36,769	28,786	65,555	29,659	22,520	52,179	70,457	60,705	131,162
5 Physical Contiguen 3%	0	0	0	963	657	1,620	849	582	1,431	1,812	1,239	3,051
sub-total	4,029	9,399	13,428	37,732	29,443	67,175	30,508	23,102	53,610	72,269	61,944	134,213
6 Price Escalation	0.00%	0.00%	0	12.00%	3.90%	5,676	25.44%	7.95%	9,598	12,289	2,985	15,274
	0	0	0	4,528	1,148	5,676	7,761	1,837	9,598	12,289	2,985	15,274
TOTAL	4,029	9,399	13,428	42,260	30,591	72,851	38,269	24,939	63,208	84,558	64,929	149,487
Thika Bhairaw II												
1 Construction Cost				12,133	8,452	20,585	3,289	2,455	5,744	15,422	10,907	26,329
a Intake				4,459	2,725	7,184	0	0	0	4,459	2,725	7,184
b Canal				6,854	5,023	11,877	2,938	2,153	5,091	9,792	7,176	16,968
c Canal Structure				820	704	1,524	351	302	653	1,171	1,006	2,177
2 Engineers Cost	387	903	1,290	111	258	369	55	129	184	553	1,290	1,843
3 Admini. Cost	829	1,935	2,764	237	553	790	119	276	395	1,185	2,764	3,949
4 Cost for procuring O&M equipment				857	969	1,826				857	969	1,826
sub-total	1,216	2,838	4,054	13,338	10,232	23,570	3,463	2,860	6,323	18,017	15,930	33,947
5 Physical Contiguen 3%	0	0	0	364	254	618	99	74	173	463	328	791
sub-total	1,216	2,838	4,054	13,702	10,486	24,188	3,562	2,934	6,496	18,480	16,258	34,738
6 Price Escalation	0.00%	0.00%	0	12.00%	3.90%	2,053	25.44%	7.95%	1,139	2,550	642	3,192
	0	0	0	1,644	409	2,053	906	233	1,139	2,550	642	3,192
TOTAL	1,216	2,838	4,054	15,346	10,895	26,241	4,468	3,167	7,635	21,030	16,900	37,930

Figures

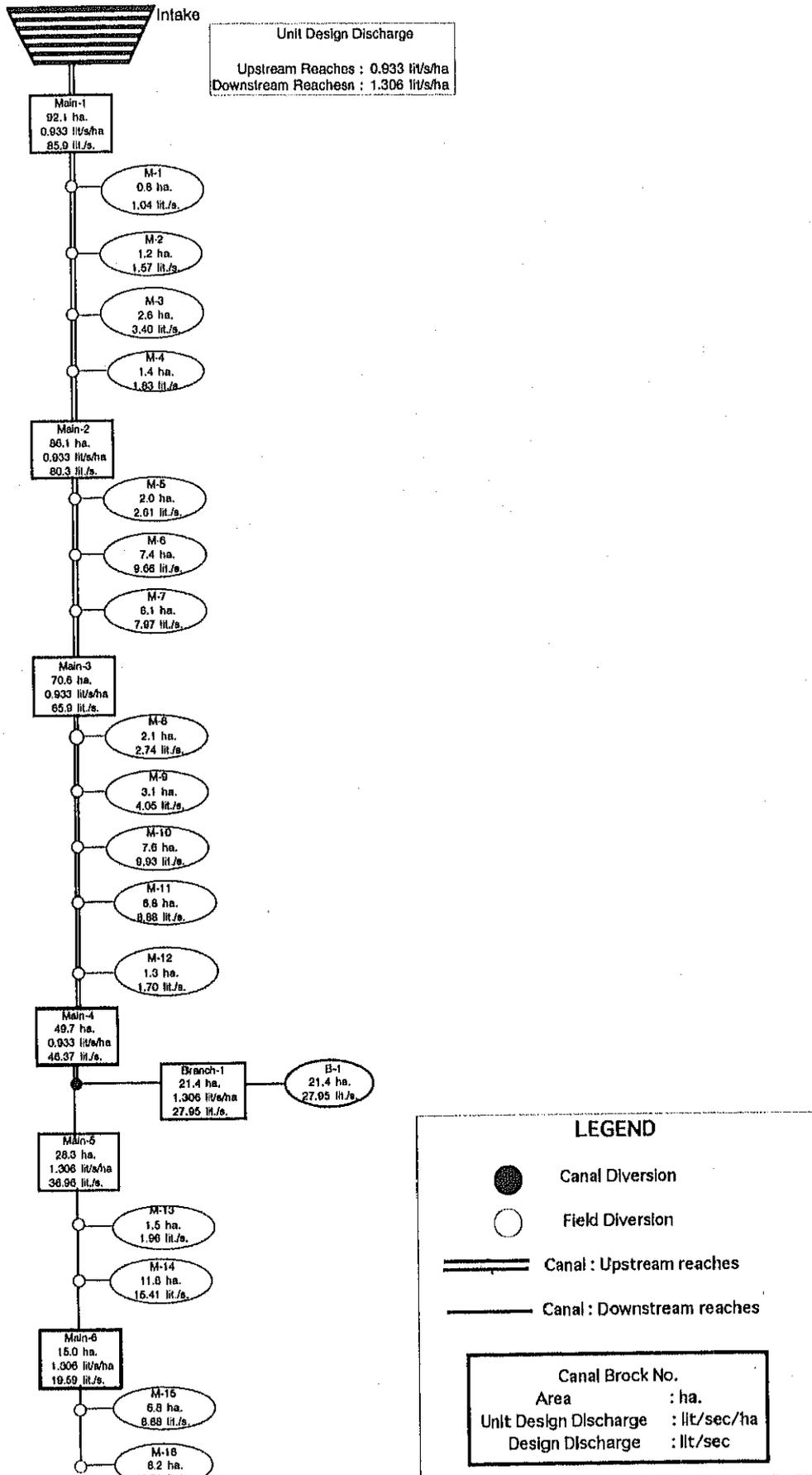


Fig.3.2-1 Proposed Irrigation Diagram (Biswambhara)

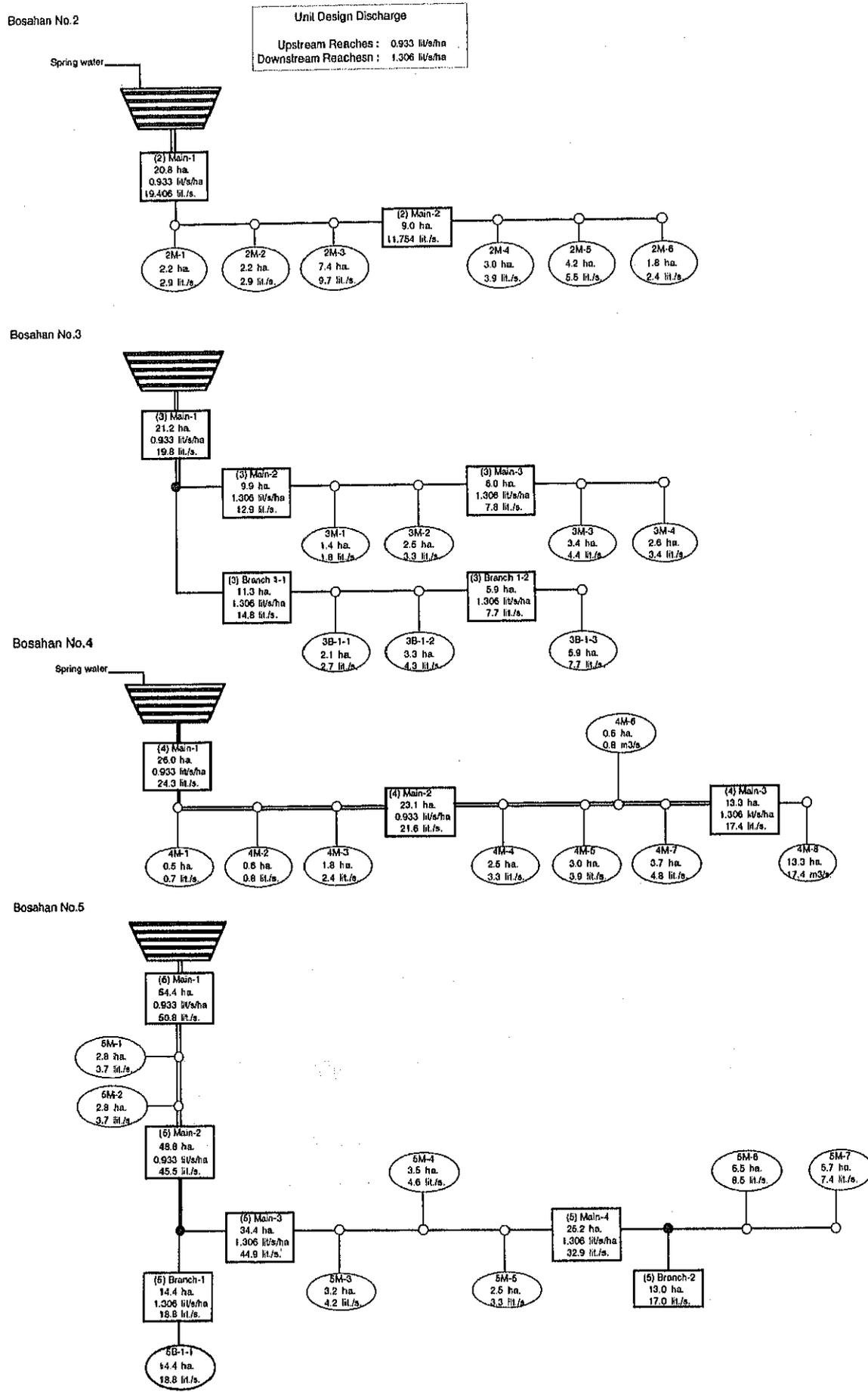
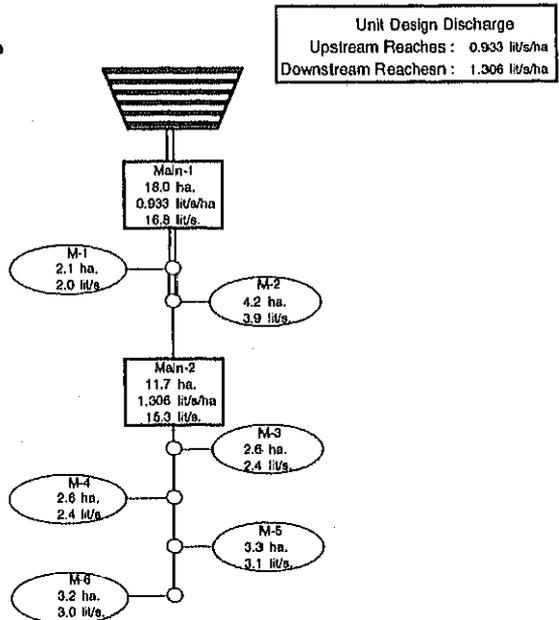


Fig. 3.2-2 Proposed Irrigation Diagram (Bosan)

Upper Scheme



Lower Scheme

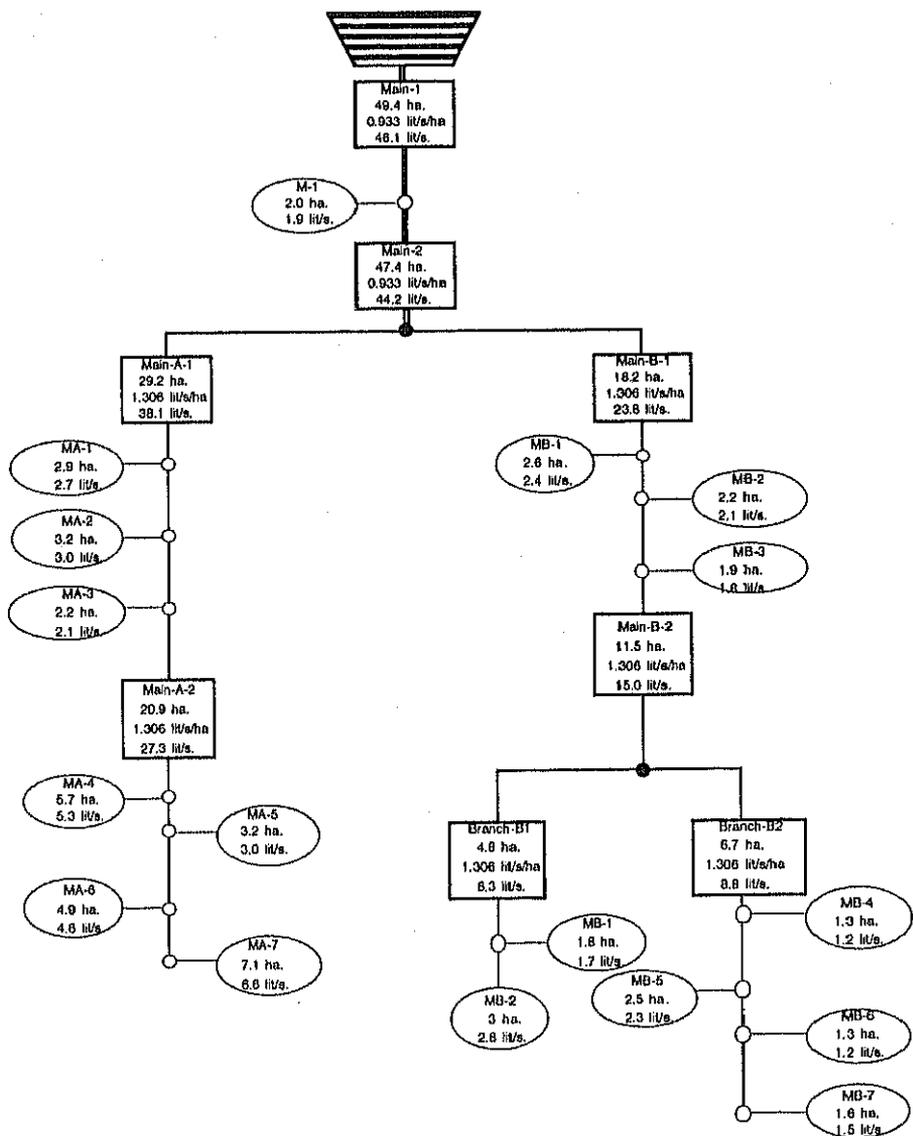


Fig.3.2-3 Proposed Irrigation Diagram (Dhakshinkari)

Unit Design Discharge
 Upstream Reaches : 0.933 lit/s/ha
 Downstream Reaches : 1.306 lit/s/ha

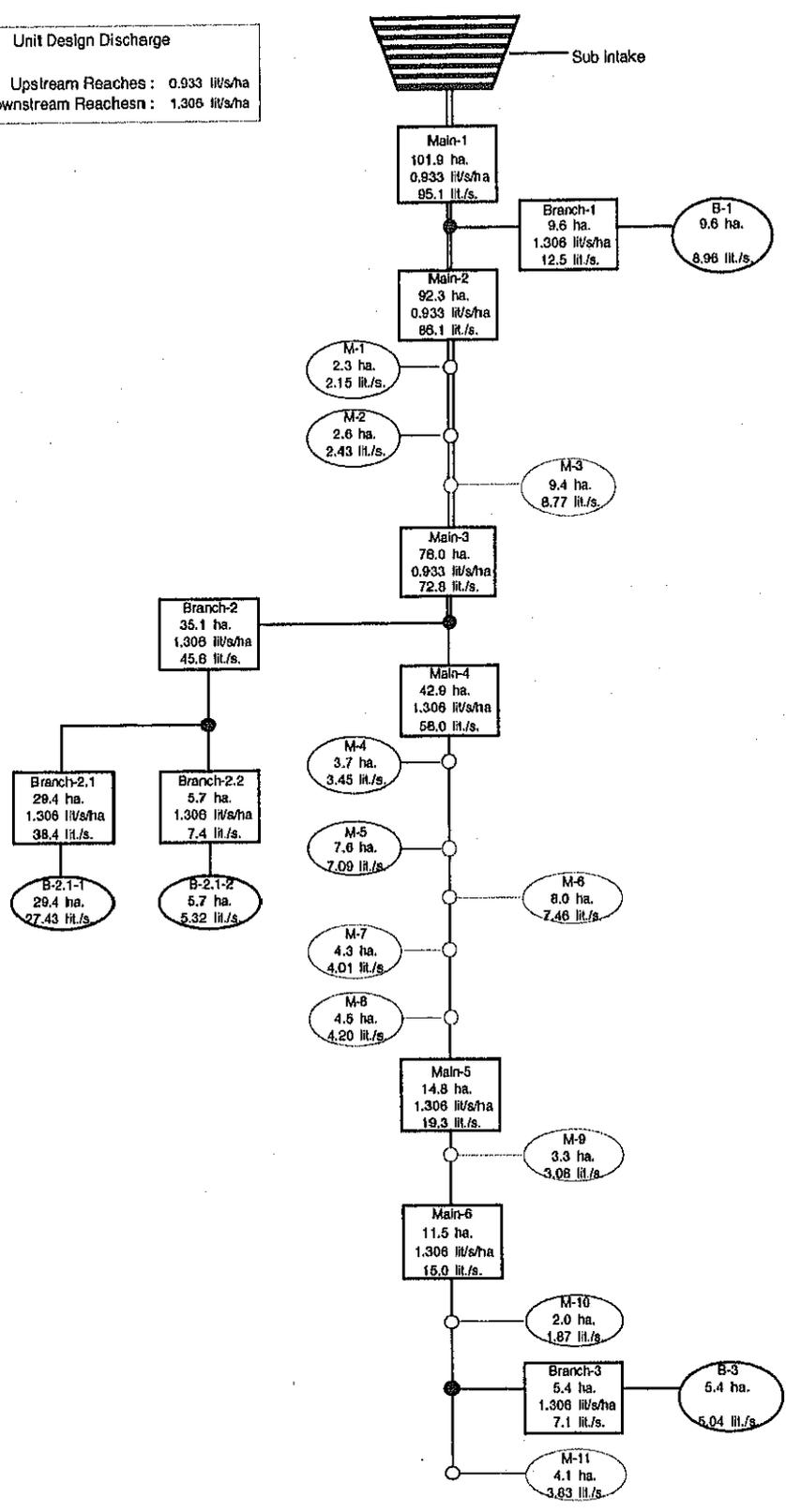


Fig. 3.2-4 Proposed Irrigation Diagram (Indrayani)

Unit Design Discharge
 Upstream Reaches : 0.933 lit/s/ha
 Downstream Reaches : 1.306 lit/s/ha

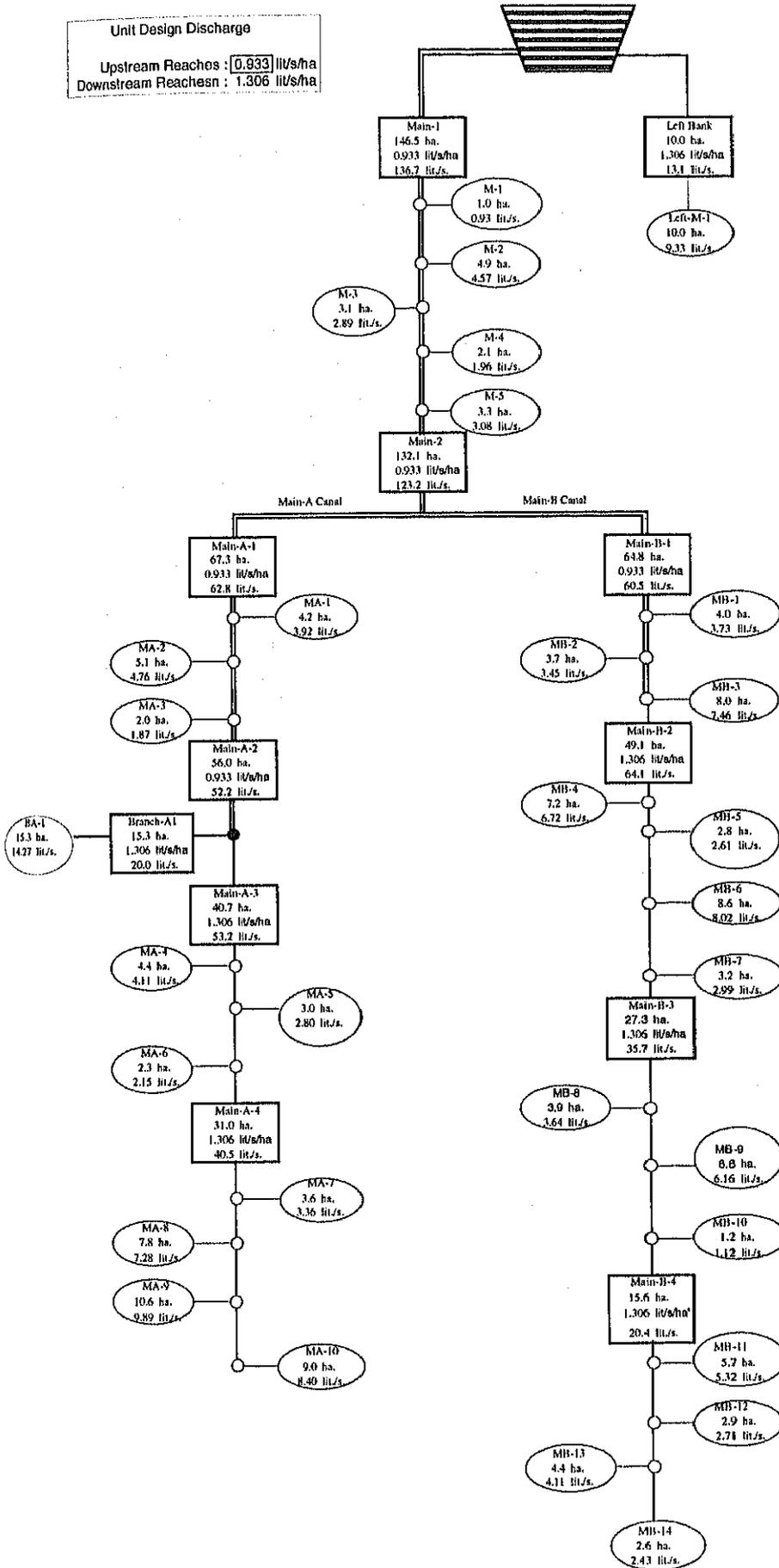


Fig. 3.2-5 Proposed Irrigation Diagram (Shali Nadi)

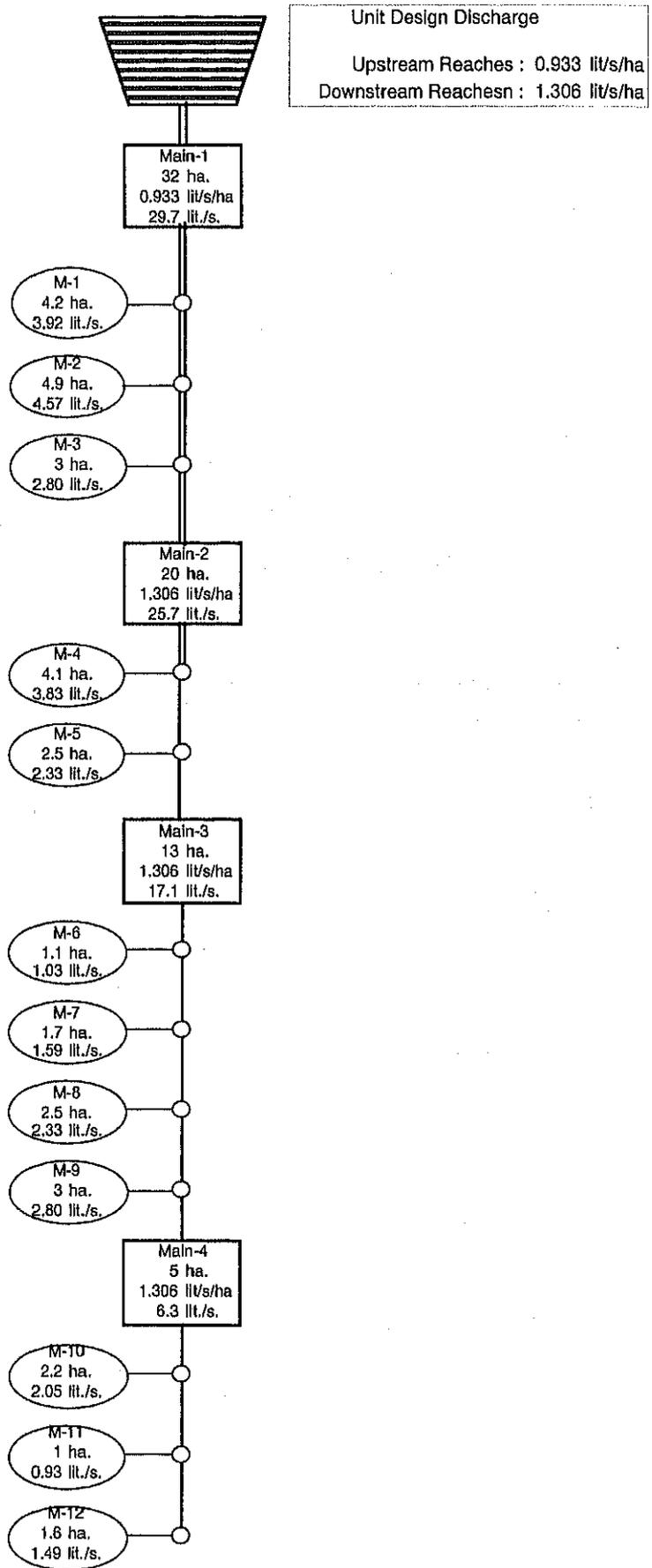


Fig. 3.2-6 Proposed Irrigation Diagram (Bidol)

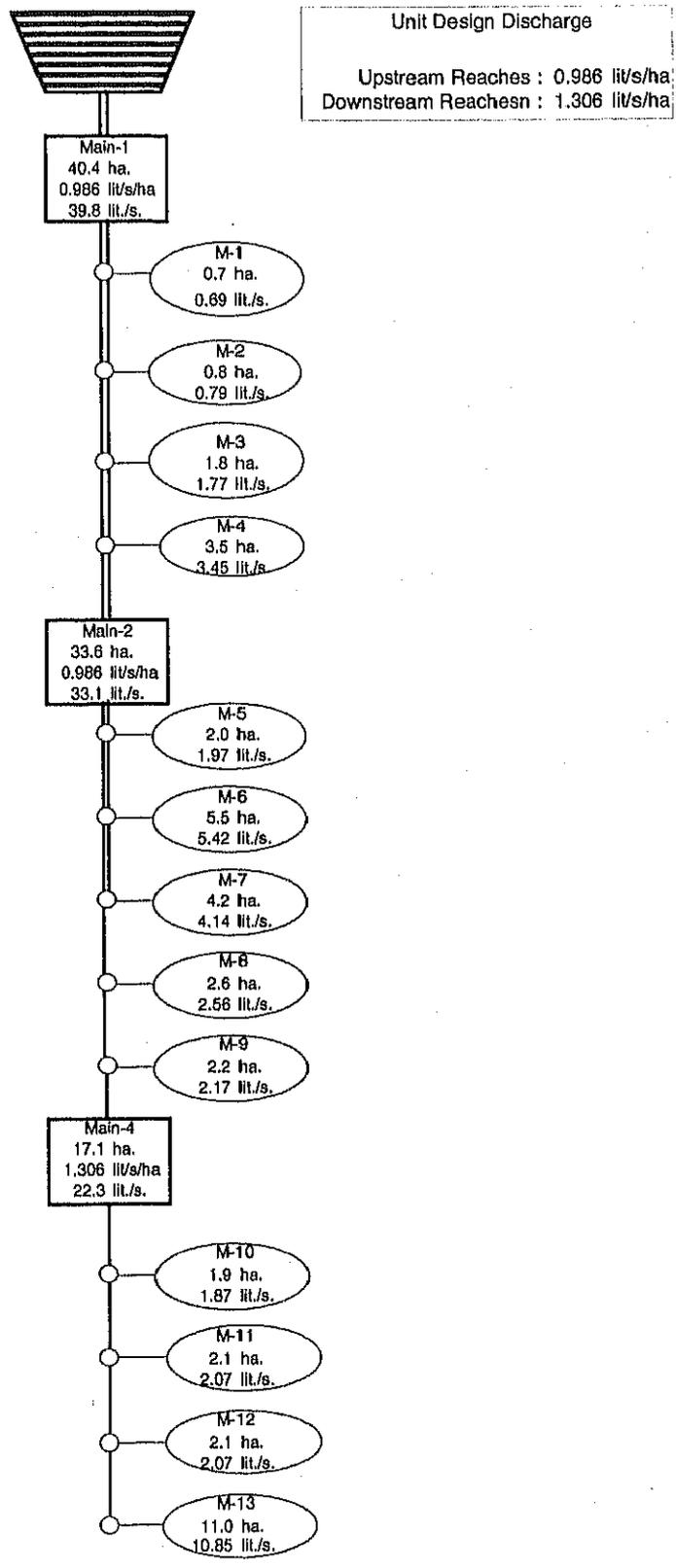


Fig. 3.2-7 Proposed Irrigation Diagram (Katunje)

Unit Design Discharge

Upstream Reaches : 0.933 lit/s/ha
Downstream Reaches : 1.306 lit/s/ha

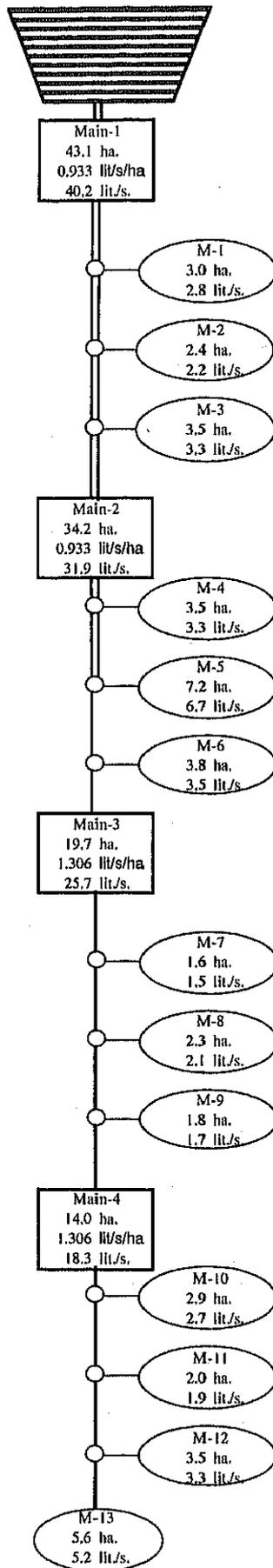


Fig.3.2-8 Proposed Irrigation Diagram (Kutudhal)

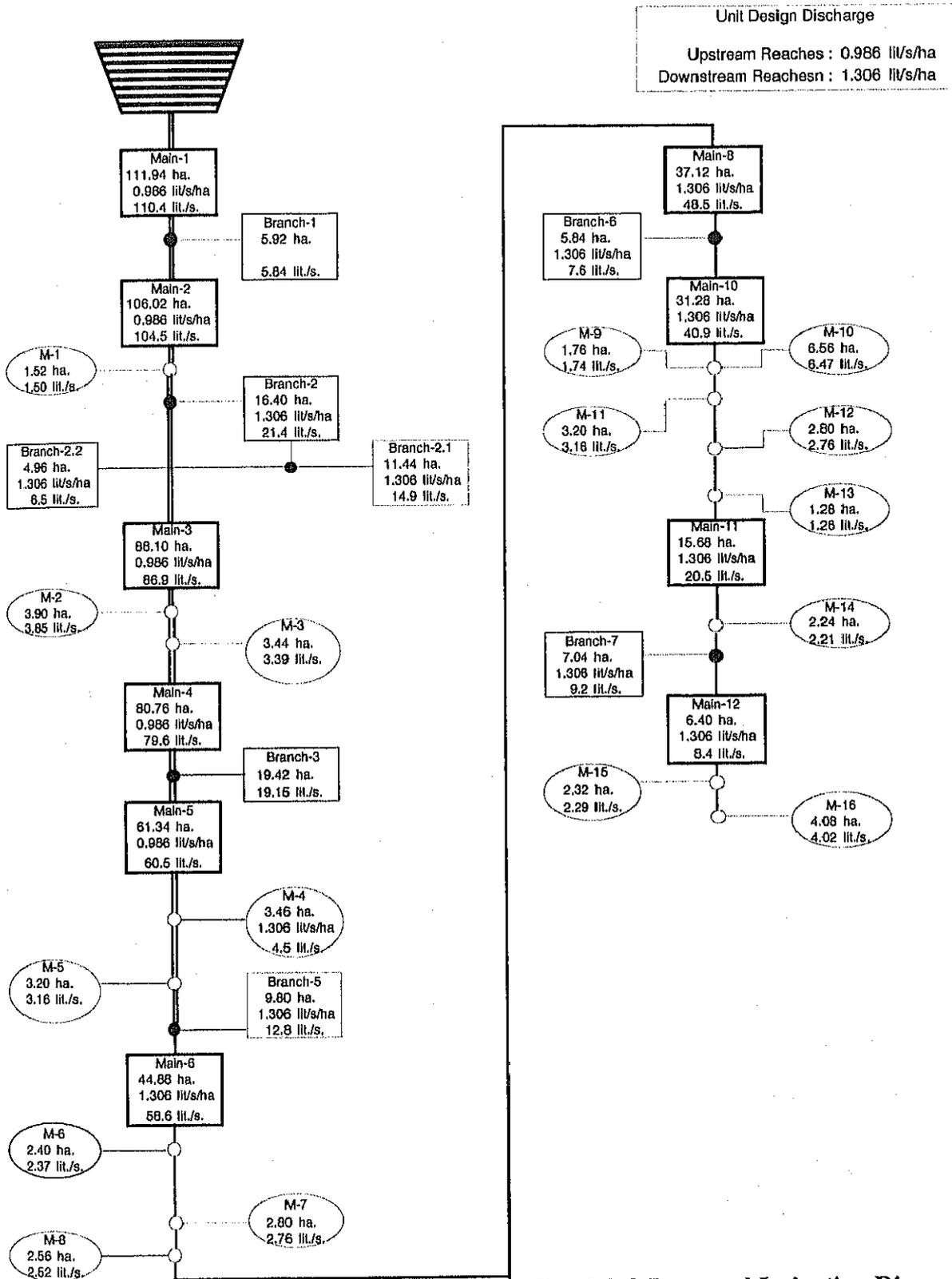


Fig. 3.2-9 Proposed Irrigation Diagram (Mahadev Khola)

Unit Design Discharge
 Upstream Reaches : 0.986 lit/s/ha
 Downstream Reaches : 1.306 lit/s/ha

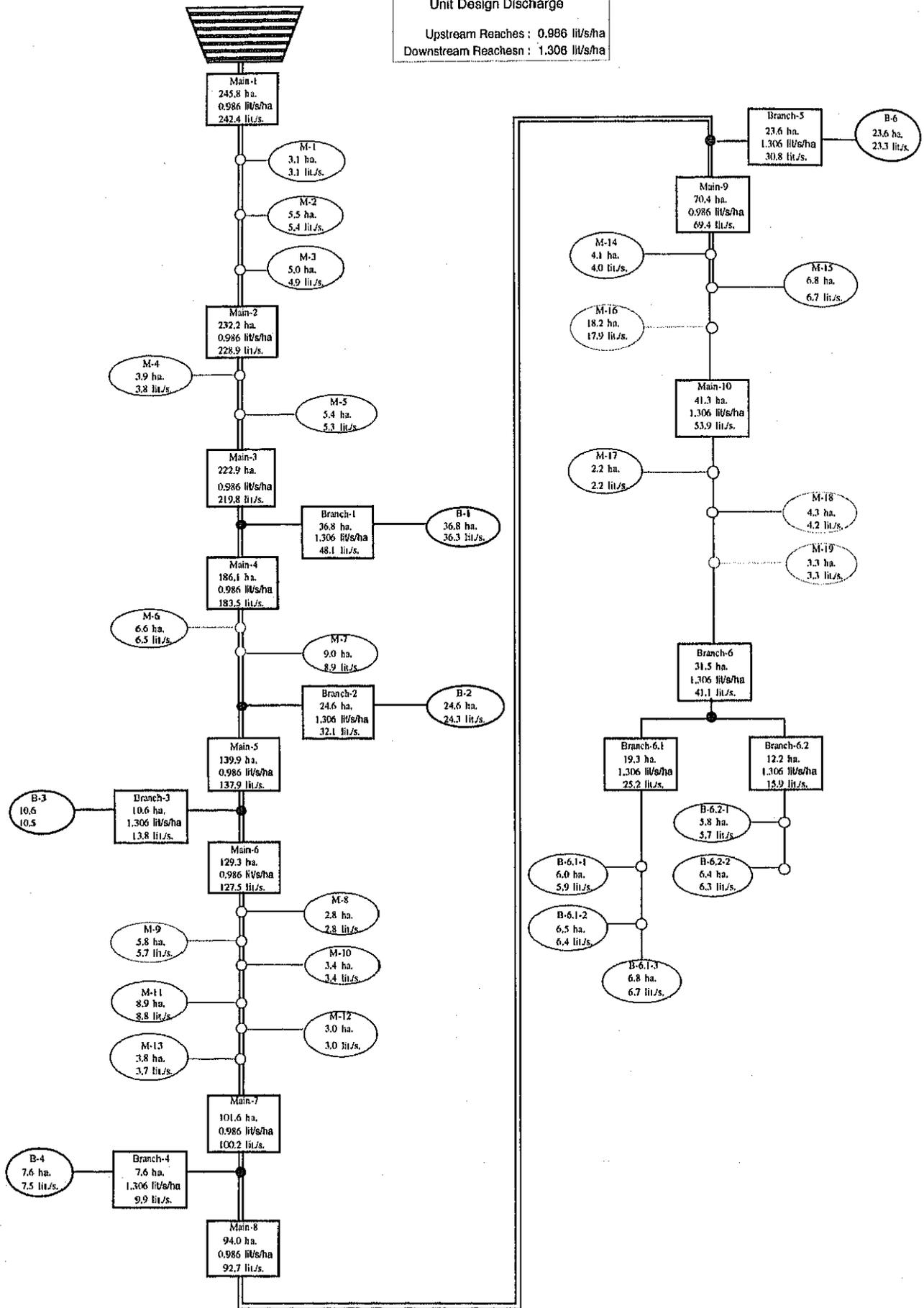


Fig. 3.2-10 Proposed Irrigation Diagram (Kotkhu)

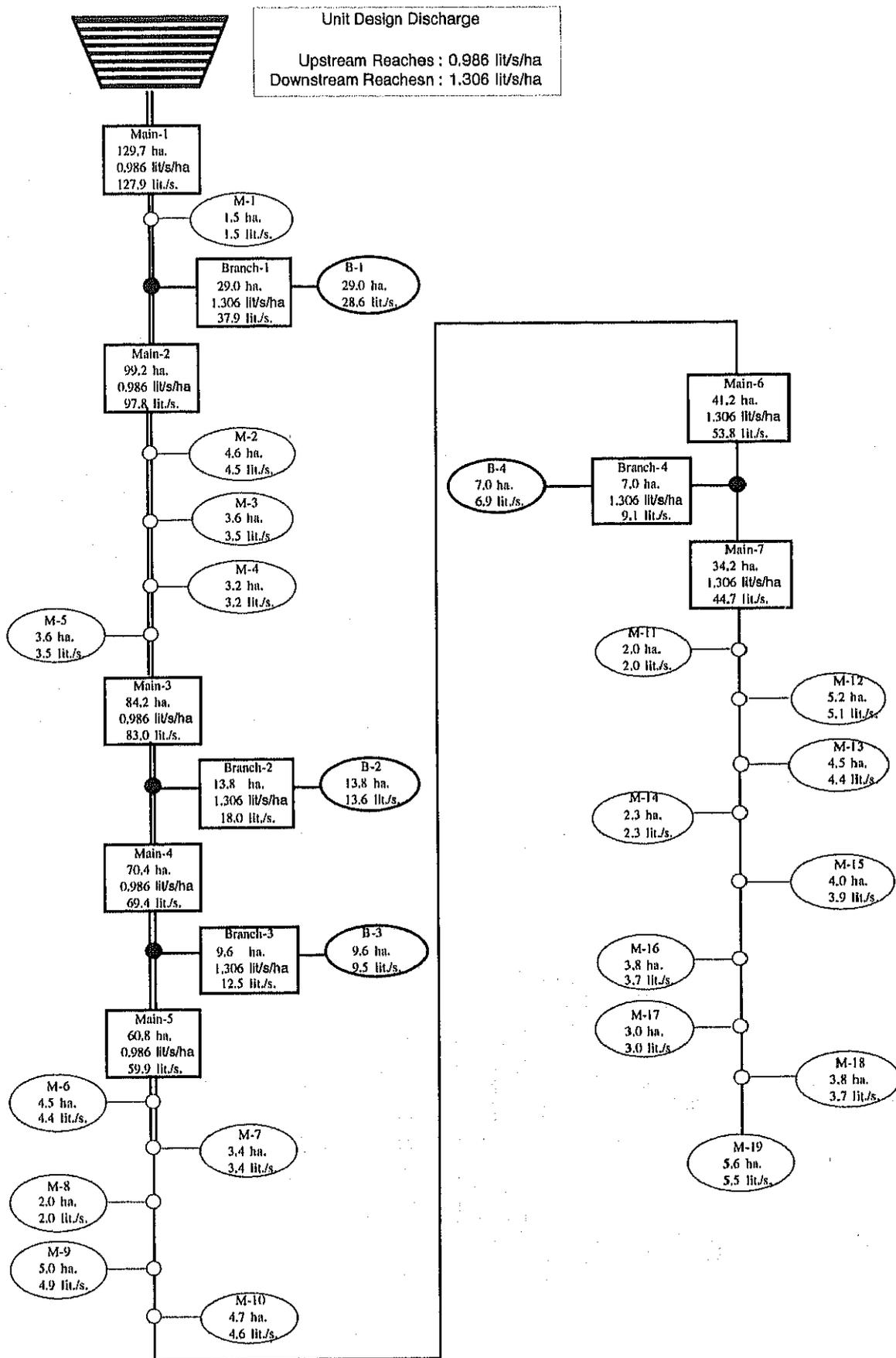


Fig. 3.2-11 Proposed Irrigation Diagram (Lubhu)

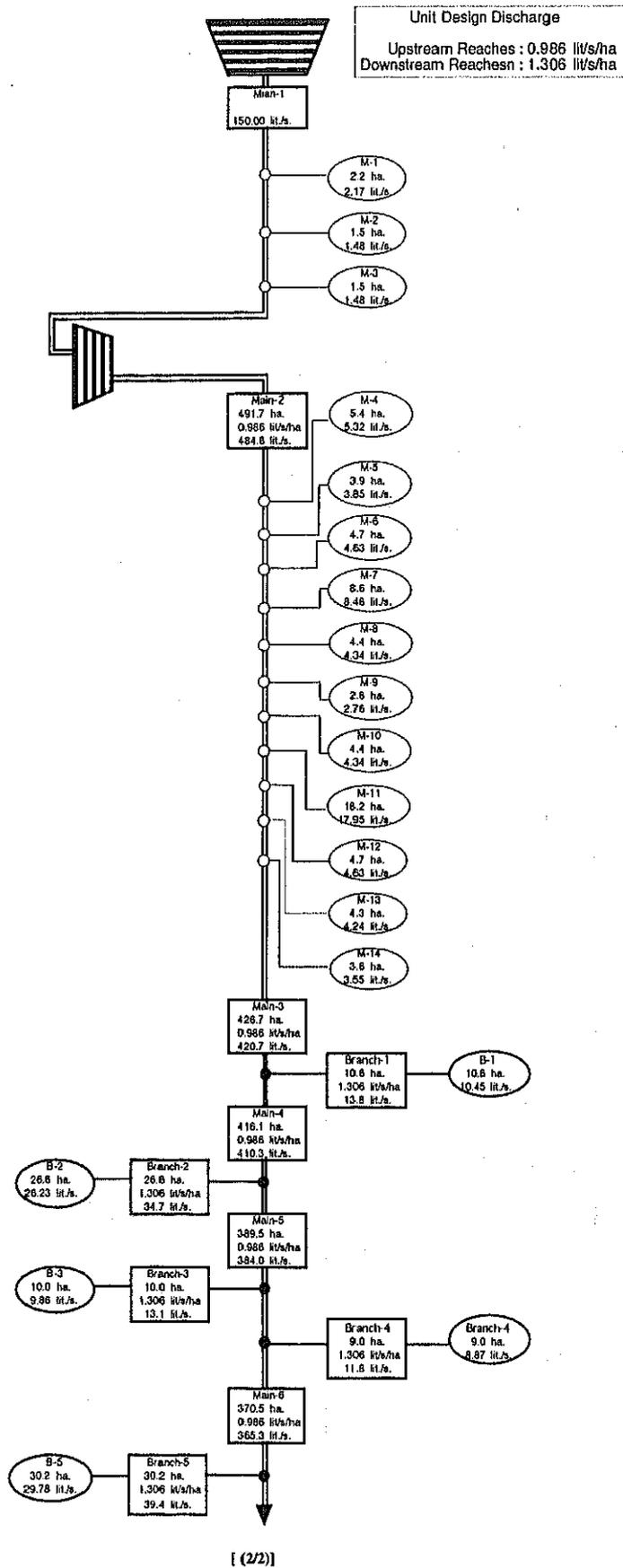


Fig. 3.2-12 Proposed Irrigation Diagram (1/2)
 (Thika Bhairaw-I)

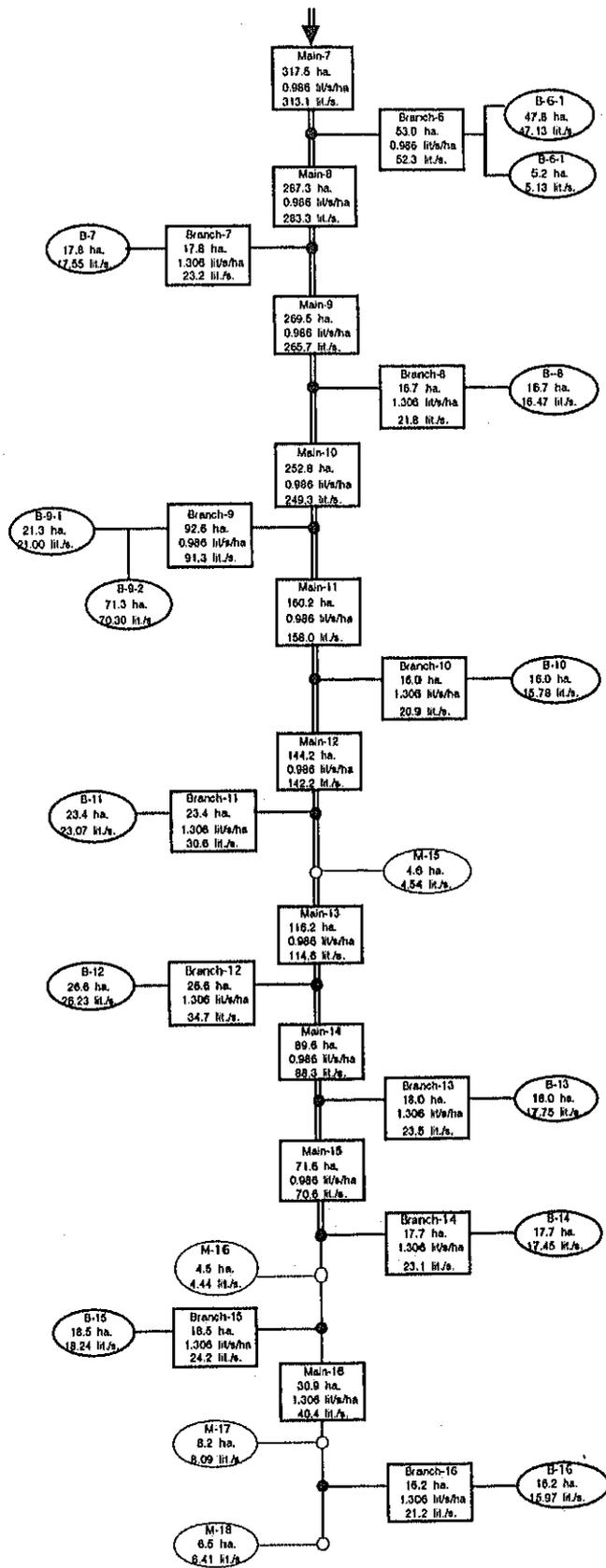
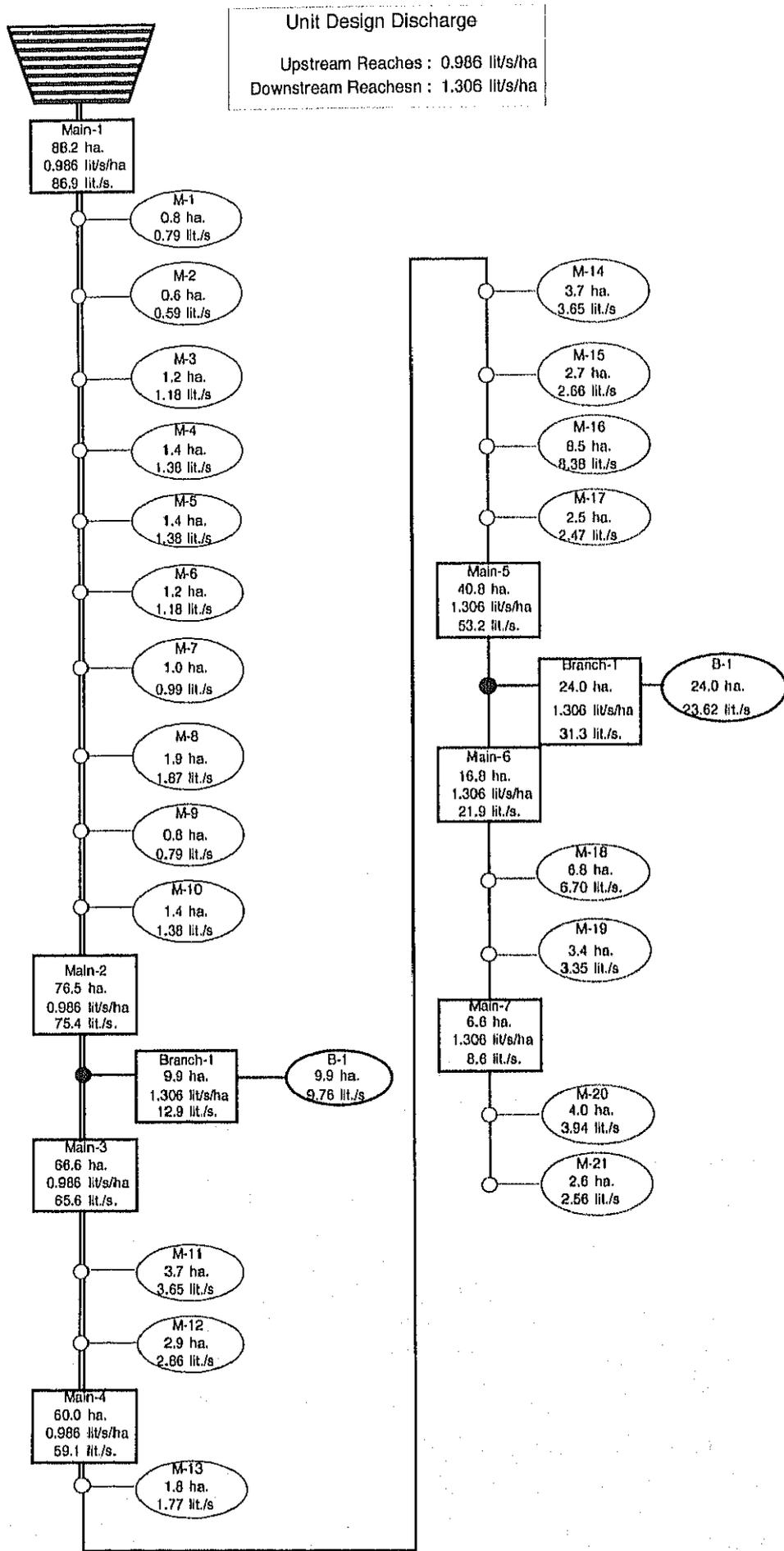


Fig.3.2-12 Proposed Irrigation Diagram
(Thika Bhairaw-I) (2/2)



**Fig. 3.2-13 Proposed Irrigation Diagram
 (Thika Bhairaw II)**