

Table F-35 (9) Reservoir Operation Study for Heightening of Krenceng Dam (without Diversion Tunnel) (9/12)

Net supply yield: 3.05m³/sec
 Water conveyance capacity: 3.05 m³/sec
 of 27.2 km pipe line

(Unit: 10⁶ m³)

Year	Month	Serial No. of 5 day period	Inflow discharge		Evapo	Supply yield	Water conveyance from Cida	Krenceng Storage volume	Reservoir Water level (El-m)	Spillout
			Krenceng	Cidanau intake						
1986	9	1	0.06	0.81	0.03	1.32	0.81	13.22	28.46	0
1986	9	2	0.14	1.34	0.02	1.32	1.32	13.33	28.54	0
1986	9	3	0.14	2.58	0.02	1.32	2.58	13.45	28.61	0
1986	9	4	0.07	2.87	0.02	1.32	2.87	13.49	28.64	0
1986	9	5	0.05	2.95	0.03	1.32	2.95	13.52	28.65	0
1986	9	6	0.06	4.01	0.03	1.32	4.01	13.56	28.68	0
1986	10	1	0.18	3.4	0.03	1.32	3.4	13.71	28.77	0
1986	10	2	0.13	2.28	0.03	1.32	2.28	13.81	28.84	0
1986	10	3	0.07	3.81	0.03	1.32	3.81	13.85	28.86	0
1986	10	4	0.06	4.15	0.03	1.32	4.15	13.89	28.89	0
1986	10	5	0.04	2.63	0.03	1.32	2.63	13.91	28.9	0
1986	10	6	0.3	8.24	0.03	1.58	8.24	14.07	29	0
1986	11	1	0.1	9.17	0.03	1.32	9.17	14.07	29	0
1986	11	2	0.2	14.22	0.03	1.32	14.22	14.07	29	0
1986	11	3	0.17	23.09	0.03	1.32	23.09	14.07	29	0
1986	11	4	0.25	9.96	0.03	1.32	9.96	14.07	29	0
1986	11	5	0.1	4.08	0.03	1.32	4.08	14.07	29	0
1986	11	6	0.19	5.29	0.03	1.32	5.29	14.07	29	0
1986	12	1	0.06	5.16	0.03	1.32	5.16	14.07	29	0
1986	12	2	0.05	2.02	0.03	1.32	2.02	14.07	29	0
1986	12	3	0.22	6.15	0.03	1.32	6.15	14.07	29	0
1986	12	4	0.23	9.62	0.03	1.32	9.62	14.07	29	0
1986	12	5	0.06	5.17	0.03	1.32	5.17	14.07	29	0
1986	12	6	0.11	3.79	0.03	1.58	3.79	14.07	29	0
1987	1	1	0.16	4.97	0.03	1.32	4.97	14.07	29	0
1987	1	2	0.61	19.07	0.03	1.32	19.07	14.07	29	0
1987	1	3	0.49	26.46	0.03	1.32	26.46	14.07	29	0
1987	1	4	0.18	14.77	0.03	1.32	14.77	14.07	29	0
1987	1	5	0.23	9.09	0.03	1.32	9.09	14.07	29	0
1987	1	6	0.29	10.66	0.03	1.58	10.66	14.07	29	0
1987	2	1	0.14	7.7	0.02	1.32	7.7	14.07	29	0
1987	2	2	0.38	12.17	0.02	1.32	12.17	14.07	29	0
1987	2	3	0.15	11	0.02	1.32	11	14.07	29	0
1987	2	4	0.2	8.8	0.02	1.32	8.8	14.07	29	0
1987	2	5	0.13	18.57	0.02	1.32	18.57	14.07	29	0
1987	2	6	0.46	11.49	0.01	0.79	11.49	14.07	29	0
1987	3	1	0.25	15.71	0.02	1.32	15.71	14.07	29	0
1987	3	2	0.14	15.69	0.02	1.32	15.69	14.07	29	0
1987	3	3	0.11	8.44	0.02	1.32	8.44	14.07	29	0
1987	3	4	0.09	3.67	0.02	1.32	3.67	14.07	29	0
1987	3	5	0.13	4.52	0.02	1.32	4.52	14.07	29	0
1987	3	6	0.16	3.62	0.03	1.58	3.62	14.07	29	0
1987	4	1	0.12	5.03	0.02	1.32	5.03	14.07	29	0
1987	4	2	0.1	6.52	0.02	1.32	6.52	14.07	29	0
1987	4	3	0.1	6.98	0.02	1.32	6.98	14.07	29	0
1987	4	4	0.1	6.76	0.02	1.32	6.76	14.07	29	0
1987	4	5	0.09	2.98	0.02	1.32	2.98	14.07	29	0
1987	4	6	0.31	4.85	0.02	1.32	4.85	14.07	29	0
1987	5	1	0.2	9.74	0.02	1.32	9.74	14.07	29	0
1987	5	2	0.26	7.51	0.02	1.32	7.51	14.07	29	0
1987	5	3	0.19	8.58	0.02	1.32	8.58	14.07	29	0
1987	5	4	0.15	7.27	0.02	1.32	7.27	14.07	29	0
1987	5	5	0.07	3.78	0.02	1.32	3.78	14.07	29	0
1987	5	6	0.09	4.14	0.03	1.58	4.14	14.07	29	0
1987	6	1	0.09	2.98	0.02	1.32	2.98	14.07	29	0
1987	6	2	0.1	3.03	0.02	1.32	3.03	14.07	29	0
1987	6	3	0.13	3.3	0.02	1.32	3.3	14.07	29	0
1987	6	4	0.08	3.28	0.02	1.32	3.28	14.07	29	0
1987	6	5	0.08	2.98	0.02	1.32	2.98	14.07	29	0
1987	6	6	0.07	2.63	0.02	1.52	2.63	14.07	29	0

Table F-35 (10) Reservoir Operation Study for Heightening of Krenceng Dam (without Diversion Tunnel) (10/12)

Net supply yield: 3.05m³/sec
 Water conveyance capacity: 5.05 m³/sec
 of 27.2 km pipe line

(Unit: 10 m³)

Year	Month	Serial No. of 5 day period	Inflow discharge		Supply yield	Evapo	Water conveyance from Cida	Krenceng Storage volume	Reservoir Water level (El-m)	Spillout
			Krenceng	Cidau intake						
1987	7	1	0.06	2.33	1.32	0.02	1.28	14.07	29	0
1987	7	2	0.05	1.78	1.32	0.02	1.29	14.07	29	0
1987	7	3	0.04	1.43	1.32	0.02	1.32	14.07	29	0
1987	7	4	0.04	1.06	1.32	0.02	1.06	13.84	28.85	0
1987	7	5	0.05	1.11	1.32	0.02	1.11	13.65	28.74	0
1987	7	6	0.05	1.64	1.32	0.03	1.58	13.67	28.75	0
1987	8	1	0.04	1.26	1.32	0.03	1.26	13.63	28.73	0
1987	8	2	0.04	0.93	1.32	0.03	0.93	13.25	28.49	0
1987	8	3	0.04	1.02	1.32	0.03	1.02	12.97	28.31	0
1987	8	4	0.04	0.79	1.32	0.03	0.79	12.45	27.98	0
1987	8	5	0.04	0.66	1.32	0.03	0.66	11.8	27.58	0
1987	8	6	0.05	0.66	1.32	0.03	0.66	10.9	27.02	0
1987	9	1	0.04	0.53	1.32	0.02	0.53	10.13	26.53	0
1987	9	2	0.04	0.49	1.32	0.02	0.49	9.31	26.03	0
1987	9	3	0.04	0.49	1.32	0.02	0.49	8.5	25.52	0
1987	9	4	0.05	0.49	1.32	0.02	0.49	7.7	25.02	0
1987	9	5	0.04	0.49	1.32	0.02	0.49	6.89	24.36	0
1987	9	6	0.04	0.49	1.32	0.02	0.49	6.08	23.68	0
1987	10	1	0.04	0.5	1.32	0.02	0.5	5.29	23.03	0
1987	10	2	0.04	0.49	1.32	0.02	0.49	4.48	22.31	0
1987	10	3	0.04	1.21	1.32	0.01	1.21	4.4	22.23	0
1987	10	4	0.04	0.93	1.32	0.01	0.93	4.04	21.83	0
1987	10	5	0.04	1.09	1.32	0.01	1.09	3.84	21.61	0
1987	10	6	0.05	0.8	1.32	0.02	0.8	3.1	20.79	0
1987	11	1	0.04	0.67	1.32	0.01	0.67	2.47	19.99	0
1987	11	2	0.1	1.15	1.32	0.01	1.15	2.4	19.88	0
1987	11	3	0.05	2.5	1.32	0.01	2.5	2.44	19.95	0
1987	11	4	0.04	2.29	1.32	0.01	2.29	2.47	19.98	0
1987	11	5	0.04	1.42	1.32	0.01	1.42	2.02	19.41	0
1987	11	6	0.04	0.87	1.32	0.01	0.87	2.07	19.41	0
1987	12	1	0.04	0.84	1.32	0.01	0.84	1.63	18.72	0
1987	12	2	0.05	1.44	1.32	0.01	1.44	1.67	18.79	0
1987	12	3	0.07	3.16	1.32	0.01	3.16	1.73	18.9	0
1987	12	4	0.28	3.94	1.32	0.01	3.94	2.01	19.31	0
1987	12	5	0.06	5.7	1.32	0.01	5.7	2.06	19.39	0
1987	12	6	0.05	3.8	1.32	0.01	3.8	2.09	19.44	0
1988	1	1	0.04	1.44	1.32	0.01	1.44	2.12	19.48	0
1988	1	2	0.07	0.77	1.32	0.01	0.77	1.64	18.73	0
1988	1	3	0.07	0.85	1.32	0.01	0.85	1.23	18	0
1988	1	4	0.12	2.1	1.32	0.01	2.1	1.34	18.19	0
1988	1	5	0.08	3.25	1.32	0.01	3.25	1.41	18.32	0
1988	1	6	0.4	8.29	1.32	0.01	8.29	1.8	19.02	0
1988	2	1	1.26	16.54	1.32	0.01	16.54	3.06	20.75	0
1988	2	2	0.87	20.76	1.32	0.01	20.76	3.92	21.69	0
1988	2	3	0.16	14.78	1.32	0.01	14.78	4.07	21.86	0
1988	2	4	0.08	21.66	1.32	0.01	21.66	4.13	21.92	0
1988	2	5	0.07	10.92	1.32	0.01	10.92	4.19	21.99	0
1988	2	6	0.05	2.72	1.32	0.01	2.72	4.23	22.04	0
1988	3	1	0.08	6.58	1.32	0.01	6.58	4.3	22.11	0
1988	3	2	0.07	10.78	1.32	0.01	10.78	4.36	22.18	0
1988	3	3	0.06	6.59	1.32	0.01	6.59	4.41	22.24	0
1988	3	4	0.06	6.31	1.32	0.01	6.31	4.47	22.29	0
1988	3	5	0.08	7.21	1.32	0.01	7.21	4.54	22.37	0
1988	3	6	0.09	11.66	1.32	0.01	11.66	4.61	22.45	0
1988	4	1	0.16	20.66	1.32	0.01	20.66	4.76	22.59	0
1988	4	2	0.1	10.15	1.32	0.01	10.15	4.84	22.66	0
1988	4	3	0.07	7.3	1.32	0.01	7.3	4.9	22.71	0
1988	4	4	0.07	7.25	1.32	0.01	7.25	4.96	22.75	0
1988	4	5	0.08	8.4	1.32	0.01	8.4	5.03	22.81	0
1988	4	6	0.06	6.1	1.32	0.01	6.1	5.08	22.85	0

Table F-35 (11) Reservoir Operation Study for Heightening of Krenceng Dam (without Diversion Tunnel) (11/12)

Net supply yield: 3.05m³/sec
 Water conveyance capacity: 3.05 m³/sec
 of 27.2 km pipe line

6
(Unit: 10 m³)

Year	Month	Serial No. of 5 day period	Inflow discharge		Supply yield	Evapo	Water conveyance from Cida	Krenceng Storage volume	Reservoir Water level (El-m)	Spillover
			Krenceng	Cidkanau intake						
1988	5	1	0.05	7.77	1.32	0.01	1.32	5.12	22.89	0
1988	5	2	0.05	8.62	1.32	0.01	1.32	5.15	22.91	0
1988	5	3	0.06	6.74	1.32	0.01	1.32	5.2	22.95	0
1988	5	4	0.07	9.24	1.32	0.01	1.32	5.25	23	0
1988	5	5	0.06	7.75	1.32	0.01	1.32	5.3	23.03	0
1988	5	6	0.05	4.45	1.58	0.02	1.58	5.34	23.06	0
1988	6	1	0.08	3.12	1.32	0.01	1.32	5.4	23.12	0
1988	6	2	0.05	5.72	1.32	0.01	1.32	5.44	23.15	0
1988	6	3	0.05	6.27	1.32	0.01	1.32	5.48	23.18	0
1988	6	4	0.04	5.46	1.32	0.01	1.32	5.5	23.2	0
1988	6	5	0.04	4.47	1.32	0.01	1.32	5.53	23.22	0
1988	6	6	0.04	3.13	1.32	0.01	1.32	5.55	23.25	0
1988	7	1	0.08	2.01	1.32	0.01	1.32	5.62	23.3	0
1988	7	2	0.06	1.37	1.32	0.01	1.32	5.67	23.34	0
1988	7	3	0.03	0.91	1.32	0.01	0.91	5.78	23.02	0
1988	7	4	0.04	1.08	1.32	0.01	1.08	5.07	22.84	0
1988	7	5	0.04	0.93	1.32	0.01	0.93	4.7	22.54	0
1988	7	6	0.04	1.15	1.58	0.01	1.15	4.3	22.11	0
1988	8	1	0.05	1.03	1.32	0.02	1.03	4.05	21.83	0
1988	8	2	0.05	1.89	1.32	0.01	1.32	4.08	21.87	0
1988	8	3	0.06	1.5	1.32	0.01	1.32	4.13	21.92	0
1988	8	4	0.05	1.39	1.32	0.01	1.32	4.17	21.96	0
1988	8	5	0.05	1.48	1.32	0.01	1.32	4.2	22	0
1988	8	6	0.05	1.16	1.58	0.02	1.16	3.81	21.57	0
1988	9	1	0.04	0.87	1.32	0.01	0.87	3.39	21.11	0
1988	9	2	0.04	1.15	1.32	0.01	1.15	3.24	20.95	0
1988	9	3	0.04	1.5	1.32	0.01	1.32	3.27	20.98	0
1988	9	4	0.04	1.32	1.32	0.01	1.32	3.29	21.01	0
1988	9	5	0.04	1.29	1.32	0.01	1.29	3.29	21.01	0
1988	9	6	0.04	1.25	1.32	0.01	1.25	3.25	20.96	0
1988	10	1	0.04	1.43	1.32	0.01	1.32	3.28	20.99	0
1988	10	2	0.04	1.15	1.32	0.01	1.15	3.14	20.84	0
1988	10	3	0.04	1.13	1.32	0.01	1.13	3.15	20.86	0
1988	10	4	0.14	2.01	1.32	0.01	1.32	3.23	21	0
1988	10	5	0.07	2.27	1.32	0.01	1.32	3.33	21.05	0
1988	10	6	0.19	2.58	1.58	0.01	1.58	3.5	21.24	0
1988	11	1	0.28	3.59	1.32	0.01	1.32	3.77	21.53	0
1988	11	2	0.09	4.5	1.32	0.01	1.32	3.84	21.61	0
1988	11	3	0.07	5.93	1.32	0.01	1.32	3.9	21.67	0
1988	11	4	0.05	5.45	1.32	0.01	1.32	3.93	21.7	0
1988	11	5	0.05	7.94	1.32	0.01	1.32	3.97	21.75	0
1988	11	6	0.05	13.43	1.32	0.01	1.32	4	21.78	0
1988	12	1	0.05	14.52	1.32	0.01	1.32	4.03	21.82	0
1988	12	2	0.05	9.43	1.32	0.01	1.32	4.07	21.86	0
1988	12	3	0.38	13.49	1.32	0.01	1.32	4.44	22.26	0
1988	12	4	0.09	25.36	1.32	0.01	1.32	4.51	22.34	0
1988	12	5	0.04	12.37	1.32	0.01	1.32	4.54	22.37	0
1988	12	6	0.05	7.41	1.58	0.02	1.58	4.56	22.4	0
1989	1	1	0.04	4.47	1.32	0.02	1.32	4.59	22.43	0
1989	1	2	0.04	3.43	1.32	0.02	1.32	4.62	22.46	0
1989	1	3	0.05	2.82	1.32	0.02	1.32	4.65	22.5	0
1989	1	4	0.06	3.68	1.32	0.02	1.32	4.7	22.54	0
1989	1	5	0.12	3.9	1.32	0.02	1.32	4.8	22.62	0
1989	1	6	0.08	3.81	1.58	0.02	1.58	4.86	22.67	0
1989	2	1	0.22	4.25	1.32	0.01	1.32	5.06	22.84	0
1989	2	2	0.22	15.86	1.32	0.01	1.32	5.27	23.01	0
1989	2	3	0.09	10.41	1.32	0.01	1.32	5.34	23.07	0
1989	2	4	0.27	32.32	1.32	0.01	1.32	5.6	23.28	0
1989	2	5	0.75	13.32	1.32	0.01	1.32	6.34	23.89	0
1989	2	6	0.39	21.43	0.79	0.01	0.79	6.71	24.21	0

Table F-35 (12) Reservoir Operation Study for Heightening of Krenceng Dam (without Diversion Tunnel) (12/12)

Net supply yield: 3.05m³/sec
 Water conveyance capacity: 3.05 m³/sec
 of 27.2 km pipe line.

(Unit: 10⁶ m³)

Year	Month	Serial No. of 5 day period	Inflow discharge		Supply yield	Evapo	Water conveyance from Cida	Krengeng Storage volume	Reservoir Water level (El-m)	Spillover
			Krengeng	Cidau intake						
1989	3	1	0.35	24.82	1.32	0.01	1.32	7.04	24.48	0
1989	3	2	0.3	17.14	1.32	0.02	1.32	7.33	24.71	0
1989	3	3	0.22	9.43	1.32	0.02	1.32	7.53	24.88	0
1989	3	4	0.1	8.1	1.32	0.02	1.32	7.62	24.96	0
1989	3	5	0.04	4.66	1.32	0.02	1.32	7.64	24.97	0
1989	3	6	0.05	3.91	1.58	0.02	1.58	7.67	25	0
1989	4	1	0.04	3.38	1.32	0.02	1.32	7.69	25.01	0
1989	4	2	0.05	3.38	1.32	0.02	1.32	7.72	25.03	0
1989	4	3	0.04	3.38	1.32	0.02	1.32	7.74	25.05	0
1989	4	4	0.02	3.38	1.32	0.02	1.32	7.74	25.05	0
1989	4	5	0.01	3.38	1.32	0.02	1.32	7.74	25.04	0
1989	4	6	0.01	3.38	1.32	0.02	1.32	7.74	25.04	0
1989	5	1	0.02	3.38	1.32	0.02	1.32	7.74	25.04	0
1989	5	2	0.02	3.38	1.32	0.02	1.32	7.74	25.04	0
1989	5	3	0.01	3.38	1.32	0.02	1.32	7.73	25.04	0
1989	5	4	0.01	3.38	1.32	0.02	1.32	7.73	25.04	0
1989	5	5	0.02	3.38	1.32	0.02	1.32	7.73	25.04	0
1989	5	6	0.02	4.06	1.58	0.02	1.58	7.73	25.04	0
1989	6	1	0.02	3.3	1.32	0.01	1.32	7.74	25.04	0
1989	6	2	0.07	4.01	1.32	0.01	1.32	7.79	25.07	0
1989	6	3	0.09	4.02	1.32	0.01	1.32	7.87	25.12	0
1989	6	4	0.08	2.74	1.32	0.02	1.32	7.87	25.16	0
1989	6	5	0.08	1.62	1.32	0.02	1.32	7.99	25.2	0
1989	6	6	0.08	1.4	1.32	0.02	1.32	8.05	25.24	0
1989	7	1	0.06	1.37	1.32	0.02	1.32	8.09	25.26	0
1989	7	2	0.06	2.71	1.32	0.02	1.32	8.13	25.29	0
1989	7	3	0.06	4.54	1.32	0.02	1.32	8.18	25.32	0
1989	7	4	0.06	5.32	1.32	0.02	1.32	8.22	25.34	0
1989	7	5	0.05	3.77	1.32	0.02	1.32	8.25	25.36	0
1989	7	6	0.08	2.3	1.58	0.02	1.58	8.31	25.4	0
1989	8	1	0.06	1.15	1.32	0.02	1.32	8.19	25.32	0
1989	8	2	0.08	0.77	1.32	0.02	1.32	7.7	25.02	0
1989	8	3	0.06	0.98	1.32	0.02	1.32	7.4	24.78	0
1989	8	4	0.06	0.62	1.32	0.02	1.32	6.75	24.23	0
1989	8	5	0.05	0.7	1.32	0.02	1.32	6.17	23.75	0
1989	8	6	0.15	1.27	1.58	0.02	1.58	5.99	23.6	0
1989	9	1	0.05	1.68	1.32	0.02	1.32	6.02	23.63	0
1989	9	2	0.07	1.03	1.32	0.02	1.32	5.79	23.44	0
1989	9	3	0.05	1.88	1.32	0.02	1.32	5.82	23.47	0
1989	9	4	0.04	2.36	1.32	0.02	1.32	5.85	23.49	0
1989	9	5	0.04	1.53	1.32	0.02	1.32	5.87	23.51	0
1989	9	6	0.04	0.83	1.32	0.02	1.32	5.41	23.12	0
1989	10	1	0.04	1.37	1.32	0.02	1.32	5.43	23.14	0
1989	10	2	0.04	1.15	1.32	0.02	1.32	5.29	23.02	0
1989	10	3	0.04	0.94	1.32	0.02	1.32	4.93	22.73	0
1989	10	4	0.04	0.81	1.32	0.02	1.32	4.45	22.28	0
1989	10	5	0.04	0.87	1.32	0.01	1.32	4.03	21.82	0
1989	10	6	0.05	2.43	1.58	0.02	1.58	4.06	21.85	0
1989	11	1	0.04	1.68	1.32	0.02	1.32	4.08	21.87	0
1989	11	2	0.04	1.44	1.32	0.02	1.32	4.1	21.9	0
1989	11	3	0.04	2.22	1.32	0.02	1.32	4.13	21.92	0
1989	11	4	0.04	2.09	1.32	0.02	1.32	4.15	21.95	0
1989	11	5	0.04	2.31	1.32	0.02	1.32	4.18	21.98	0
1989	11	6	0.04	1.75	1.32	0.02	1.32	4.2	22	0
1989	12	1	0.04	2.28	1.32	0.01	1.32	4.23	22.03	0
1989	12	2	0.08	2.81	1.32	0.01	1.32	4.29	22.1	0
1989	12	3	0.49	4.08	1.32	0.01	1.32	4.76	22.59	0
1989	12	4	0.16	4.58	1.32	0.02	1.32	4.91	22.71	0
1989	12	5	0.07	4.38	1.32	0.02	1.32	4.97	22.76	0
1989	12	6	0.24	5.2	1.58	0.02	1.58	5.19	22.95	0

Table F-36 (1) Reservoir Operation Study for Heightening of Krenceng Dam with Beroeng Diversion Tunnel (1/12)

Net supply yield: 3.11 m³/sec
 Water conveyance capacity: 3.11 m³/sec
 of pipe line

(Unit: 10⁶ m³)

Year	Month	Serial No. of 5 day period	Inflow discharge		Outflow at Beroeng intake		In flow Krenceng + Beroeng diversion		Supply yield	Evapo	Water conveyance from Cida	Krenceng Storage volume	Reservoir Water level (El.m)	Spillout
			Krenceng	Beroeng intake	Cidahu intake	Down stream	Krenceng	Beroeng						
1980	1	1	0.12	0.11	3.9	0.1	0	0.22	1.54	0.03	1.15	14.07	29	0
1980	1	2	0.2	0.18	3.98	0.18	0	0.37	1.54	0.03	1	14.07	29	0
1980	1	3	0.29	0.27	4.05	0.26	0	0.55	1.54	0.03	0.82	14.07	29	0
1980	1	4	0.29	0.26	3.92	0.26	0	0.56	1.54	0.03	0.82	14.07	29	0
1980	1	5	0.29	0.26	3.9	0.26	0	0.55	1.54	0.03	0.82	14.07	29	0
1980	1	6	0.39	0.36	3.56	0.36	0	0.75	1.61	0.03	0.9	14.07	29	0
1980	2	1	0.19	0.17	3.3	0.14	0.03	0.33	1.54	0.02	1.04	14.07	29	0
1980	2	2	0.48	0.44	5.06	0.4	0.03	0.88	1.54	0.02	0.48	14.07	29	0
1980	2	3	0.49	0.45	5.01	0.41	0.03	0.91	1.54	0.02	0.46	14.07	29	0
1980	2	4	0.78	0.71	5.06	0.68	0.03	1.45	1.54	0.02	0	14.07	29	0.09
1980	2	5	0.46	0.42	5.09	0.42	0.03	0.85	1.54	0.02	0.52	14.07	29	0
1980	2	6	0.19	0.17	5.06	0.14	0.03	0.33	1.07	0.02	0.77	14.07	29	0
1980	3	1	0.13	0.11	4.53	0.11	0.03	0.25	1.12	0.02	1.12	14.07	29	0
1980	3	2	0.23	0.21	3.44	0.18	0.03	0.41	1.34	0.02	0.96	14.07	29	0
1980	3	3	0.15	0.11	14.02	0.14	0.03	0.26	1.1	0.02	1.1	14.07	29	0
1980	3	4	0.16	0.15	9.57	0.13	0.03	0.2	1.24	0.02	1.07	14.07	29	0
1980	3	5	0.07	0.06	2.29	0.05	0.01	0.12	1.34	0.02	1.25	14.07	29	0
1980	3	6	0.11	0.1	1.74	0.09	0.02	0.2	1.61	0.03	1.44	14.07	29	0
1980	4	1	0.06	0.05	2.23	0.04	0.01	0.1	1.34	0.02	1.26	14.07	29	0
1980	4	2	0.07	0.06	1.77	0.05	0.01	0.11	1.34	0.02	1.25	14.07	29	0
1980	4	3	0.28	0.26	6.5	0.24	0.01	0.53	1.34	0.02	0.84	14.07	29	0
1980	4	4	0.1	0.09	4.84	0.08	0.01	0.18	1.34	0.02	1.18	14.07	29	0
1980	4	5	0.17	0.15	3.27	0.15	0.01	0.32	1.34	0.02	1.05	14.07	29	0
1980	4	6	0.11	0.1	1.99	0.09	0.01	0.2	1.34	0.02	1.17	14.07	29	0
1980	5	1	0.11	0.09	0.82	0.07	0.03	0.18	1.34	0.02	0.82	13.7	28.77	0
1980	5	2	0.09	0.09	0.18	0.05	0.03	0.15	1.34	0.02	0.18	12.67	28.12	0
1980	5	3	0.11	0.1	0.88	0.07	0.03	0.18	1.34	0.02	0.88	12.36	27.93	0
1980	5	4	0.11	0.1	1.91	0.06	0.03	0.17	1.34	0.02	1.34	12.51	28.02	0
1980	5	5	0.07	0.07	5.36	0.03	0.03	0.11	1.34	0.02	1.34	12.6	28.08	0
1980	5	6	0.06	0.06	4.99	0.02	0.04	0.08	1.61	0.02	1.61	12.65	28.11	0
1980	5	7	0.11	0.1	3.84	0.07	0.03	0.18	1.34	0.02	1.34	12.81	28.21	0
1980	5	8	0.06	0.05	4.39	0.02	0.03	0.07	1.34	0.02	1.34	12.86	28.24	0
1980	6	1	0.08	0.07	1.89	0.04	0.03	0.11	1.34	0.02	1.34	12.96	28.3	0
1980	6	2	0.05	0.04	3.17	0.01	0.03	0.06	1.34	0.02	1.34	12.99	28.33	0
1980	6	3	0.06	0.05	3.77	0.02	0.03	0.08	1.34	0.02	1.34	13.05	28.36	0
1980	6	4	0.05	0.05	2.37	0.01	0.03	0.07	1.34	0.02	1.34	13.1	28.39	0
1980	6	5	0.04	0.04	1.63	0	0.03	0.04	1.34	0.02	1.34	13.13	28.41	0
1980	7	1	0.04	0.04	2.82	0	0.03	0.04	1.34	0.02	1.34	13.15	28.42	0
1980	7	2	0.04	0.04	2.81	0.01	0.03	0.05	1.34	0.02	1.34	13.18	28.44	0
1980	7	3	0.05	0.05	4.75	0.02	0.03	0.07	1.34	0.02	1.34	13.22	28.47	0
1980	7	4	0.05	0.04	2.64	0.01	0.03	0.06	1.34	0.02	1.34	13.26	28.49	0
1980	7	5	0.06	0.06	2.74	0.02	0.04	0.08	1.61	0.03	1.61	13.31	28.53	0
1980	7	6	0.12	0.11	2.19	0.08	0.03	0.19	1.34	0.03	1.34	13.48	28.65	0
1980	8	1	0.19	0.17	4.48	0.14	0.03	0.32	1.34	0.03	1.34	13.78	28.82	0
1980	8	2	0.23	0.26	6.84	0.23	0.03	0.51	1.34	0.03	1.16	14.07	29	0
1980	8	3	0.38	0.34	12.84	0.31	0.03	0.69	1.34	0.03	0.69	14.07	29	0
1980	8	4	0.05	0.05	5.29	0.01	0.03	0.07	1.34	0.03	1.31	14.07	29	0
1980	8	5	0.05	0.04	2.12	0.01	0.04	0.06	1.61	0.03	1.59	14.07	29	0
1980	8	6	0.23	0.21	2.64	0.18	0.03	0.4	1.34	0.03	0.96	14.07	29	0
1980	8	7	0.2	0.19	27.03	0.15	0.03	0.54	1.34	0.03	1.03	14.07	29	0
1980	9	1	0.32	0.29	28.73	0.26	0.03	0.58	1.34	0.03	1.03	14.07	29	0
1980	9	2	0.11	0.1	12.39	0.07	0.03	0.18	1.34	0.03	1.19	14.07	29	0
1980	9	3	0.08	0.07	2.48	0.04	0.03	0.12	1.34	0.03	1.25	14.07	29	0
1980	9	4	0.14	0.13	1.63	0.1	0.03	0.24	1.34	0.03	1.13	14.07	29	0
1980	9	5	0.11	0.1	0.86	0.07	0.03	0.18	1.34	0.03	0.86	13.74	28.79	0
1980	10	1	0.12	0.11	0.63	0.08	0.03	0.2	1.54	0.03	0.63	13.2	28.46	0
1980	10	2	0.12	0.11	2.54	0.08	0.03	0.2	1.54	0.03	1.34	13.38	28.57	0
1980	10	3	0.08	0.07	6.13	0.04	0.03	0.12	1.34	0.03	1.34	13.48	28.63	0
1980	10	4	0.12	0.11	6.87	0.08	0.03	0.12	1.34	0.03	1.34	13.65	28.73	0
1980	10	5	0.11	0.1	9.88	0.07	0.04	0.18	1.61	0.03	1.61	13.8	28.83	0

Table F-36 (2) Reservoir Operation Study for Heightening of Krenceng Dam with Beroeng Diversion Tunnel (2/12)

Net supply yield: 3.11 m³/sec
 Water conveyance capacity: 3.11 m³/sec
 of pipe line

(Unit: 10⁶ m³)

Year	Month	Serial No. of 5 day period	Inflow discharge		Outflow at Beroeng intake		Inflow		Supply yield	Evapo	Water conveyance from Cida	Krenceng Storage volume	Reservoir Water level (E-m)	Spillout
			Krenceng	Beroeng intake	Cidanau intake	Down-stream	Krenceng + Beroeng diversion	Krenceng						
1980	11	1	0.18	0.16	9.4	0.15	0.02	0.32	1.34	0.03	1.32	14.07	29	0
1980	11	2	0.1	0.09	11.06	0.08	0.02	0.13	1.34	0.03	1.2	14.07	29	0
1980	11	3	0.13	0.12	13.41	0.12	0.02	0.23	1.34	0.03	1.15	14.07	29	0
1980	11	4	0.31	0.29	15.5	0.29	0.05	0.53	1.34	0.03	0.82	14.07	29	0
1980	11	5	0.08	0.07	18.31	0.02	0.05	0.09	1.34	0.03	1.28	14.07	29	0
1980	11	6	0.06	0.06	21.43	0.01	0.05	0.07	1.34	0.03	1.3	14.07	29	0
1980	12	1	0.05	0.04	27.52	0	0.04	0.05	1.34	0.03	1.32	14.07	29	0
1980	12	2	0.05	0.07	31.72	0.07	0.06	0.05	1.34	0.03	1.3	14.07	29	0
1980	12	3	0.05	0.05	32.78	0	0.05	0.05	1.34	0.03	1.32	14.07	29	0
1980	12	4	0.18	0.16	42.23	0.15	0.01	0.32	1.34	0.03	1.05	14.07	29	0
1980	12	5	0.53	0.48	29.54	0.47	0.01	1	1.34	0.03	0.57	14.07	29	0
1980	12	6	0.64	0.58	47.28	0.57	0.01	1.2	1.61	0.03	0.44	14.07	29	0
1981	1	1	1.71	1.56	62.12	1.55	0.01	3.26	1.34	0.03	0	14.07	29	1.89
1981	1	2	1.18	1.07	72.41	1.06	0.01	2.24	1.34	0.03	0	14.07	29	0.86
1981	1	3	0.71	0.65	28.77	0.64	0.01	1.55	1.34	0.03	0.02	14.07	29	0
1981	1	4	0.42	0.38	30.33	0.35	0.05	0.76	1.34	0.03	0.61	14.07	29	0
1981	1	5	0.29	0.27	13.91	0.24	0.03	0.53	1.34	0.03	0.84	14.07	29	0
1981	1	6	0.49	0.45	17.12	0.41	0.04	0.9	1.61	0.03	0.74	14.07	29	0
1981	2	1	0.4	0.36	18.43	0.36	0	0.76	1.34	0.02	0.61	14.07	29	0
1981	2	2	0.55	0.32	21.51	0.31	0	0.66	1.34	0.02	0.7	14.07	29	0
1981	2	3	0.52	0.47	14.11	0.47	0	0.98	1.34	0.02	0.39	14.07	29	0
1981	2	4	0.51	0.47	10.57	0.46	0	0.88	1.34	0.02	0.39	14.07	29	0
1981	2	5	0.46	0.42	1.87	0.42	0	0.88	1.34	0.02	0.48	14.07	29	0
1981	2	6	0.75	0.68	11.16	0.68	0	1.42	0.81	0.01	0	14.07	29	0.6
1981	3	1	0.66	0.6	12.23	0.58	0.01	1.24	0.81	0.02	0.12	14.07	29	0
1981	3	2	0.33	0.3	1.75	0.29	0.01	0.62	1.34	0.02	0.75	14.07	29	0
1981	3	3	0.51	0.46	2.26	0.45	0.01	0.96	1.34	0.02	0.41	14.07	29	0
1981	3	4	0.32	0.29	3.68	0.27	0.02	0.56	1.34	0.02	0.77	14.07	29	0
1981	3	5	0.17	0.15	2.34	0.13	0.02	0.3	1.34	0.02	1.07	14.07	29	0
1981	3	6	0.31	0.28	11.79	0.25	0.03	0.56	1.61	0.03	1.07	14.07	29	0
1981	4	1	0.14	0.13	12.43	0.12	0.01	0.26	1.34	0.02	1.11	14.07	29	0
1981	4	2	0.16	0.15	12.3	0.14	0.01	0.3	1.34	0.02	1.07	14.07	29	0
1981	4	3	0.1	0.09	11.66	0.08	0.01	0.18	1.34	0.02	1.19	14.07	29	0
1981	4	4	0.13	0.12	10.14	0.11	0.02	0.24	1.34	0.02	1.12	14.07	29	0
1981	4	5	0.14	0.12	8.69	0.11	0.02	0.25	1.34	0.02	1.12	14.07	29	0
1981	4	6	0.11	0.1	7.79	0.08	0.02	0.19	1.34	0.02	1.18	14.07	29	0
1981	5	1	0.21	0.19	6.43	0.16	0.03	0.37	1.34	0.02	0.99	14.07	29	0
1981	5	2	0.16	0.15	4.42	0.12	0.03	0.28	1.34	0.02	1.09	14.07	29	0
1981	5	3	0.21	0.19	2.96	0.16	0.03	0.36	1.34	0.02	1	14.07	29	0
1981	5	4	0.29	0.26	4.35	0.23	0.03	0.52	1.34	0.02	0.85	14.07	29	0
1981	5	5	0.11	0.1	3.23	0.17	0.03	0.17	1.34	0.02	1.19	14.07	29	0
1981	5	6	0.1	0.09	1.1	0.05	0.04	0.15	1.61	0.03	1.1	13.69	28.76	0
1981	6	1	0.06	0.06	2.82	0.03	0.03	0.09	1.34	0.02	1.34	13.76	28.8	0
1981	6	2	0.06	0.05	3.69	0.02	0.03	0.08	1.34	0.02	1.34	13.82	28.84	0
1981	6	3	0.12	0.11	5.1	0.08	0.03	0.2	1.34	0.02	1.34	14	28.95	0
1981	6	4	0.2	0.18	9.5	0.15	0.03	0.35	1.34	0.02	1.09	14.07	29	0
1981	6	5	0.09	0.08	4.31	0.05	0.03	0.14	1.34	0.02	1.23	14.07	29	0
1981	6	6	0.12	0.11	4.23	0.07	0.03	0.19	1.34	0.02	1.17	14.07	29	0
1981	7	1	0.06	0.05	4.31	0.02	0.03	0.08	1.34	0.02	1.28	14.07	29	0
1981	7	2	0.06	0.05	1.27	0.02	0.03	0.08	1.34	0.02	1.27	14.06	28.99	0
1981	7	3	0.03	0.03	2.78	0.03	0.03	0.37	1.34	0.02	1.01	14.07	29	0
1981	7	4	0.32	0.29	5.56	0.26	0.05	0.58	1.34	0.02	0.79	14.07	29	0
1981	7	5	0.36	0.32	7.35	0.29	0.03	0.65	1.34	0.02	0.72	14.07	29	0
1981	7	6	0.67	0.61	11.43	0.57	0.04	1.24	1.61	0.03	0.4	14.07	29	0
1981	8	1	0.16	0.15	8.03	0.12	0.03	0.28	1.34	0.03	1.09	14.07	29	0
1981	8	2	0.17	0.16	3.09	0.13	0.03	0.3	1.34	0.03	1.07	14.07	29	0
1981	8	3	0.11	0.1	2.22	0.06	0.03	0.17	1.34	0.03	1.2	14.07	29	0
1981	8	4	0.15	0.13	3.77	0.1	0.03	0.25	1.34	0.03	1.13	14.07	29	0
1981	8	5	0.15	0.13	3.77	0.1	0.03	0.25	1.34	0.03	1.12	14.07	29	0
1981	8	6	0.11	0.11	5.33	0.07	0.04	0.18	1.61	0.03	1.46	14.07	29	0

Table F-36 (3) Reservoir Operation Study for Heightening of Krenceng Dam with Beroeng Diversion Tunnel (3/12)

Net supply yield: 3.11 m³/sec
 Water conveyance capacity: 3.11 m³/sec
 of pipe line

(Unit: 10⁶ m³)

Year	Month	Serial No. of 5 day period	Inflow discharge		Outflow at Beroeng intake		In-flow		Evapo	Water conveyance from Cida	Krenceng Storage volume	Reservoir Water level (El.m)	Spillout	
			Krenceng	Beroeng intake	Cidenua intake	Diversion tunnel	Down-stream	Krenceng + Beroeng diversion						Supply yield
1981	9	1	0.18	0.17	2.18	0.13	0.03	0.32	1.34	0.03	1.05	14.07	29	0
1981	9	2	0.17	0.16	6.52	0.12	0.03	0.29	1.34	0.03	1.08	14.07	29	0
1981	9	3	0.47	0.4	7.08	0.43	0.03	0.87	1.34	0.03	1.34	14.07	29	0
1981	9	4	0.11	0.1	1.64	0.07	0.03	0.19	1.34	0.03	1.18	14.07	29	0
1981	9	5	0.1	0.09	1.14	0.06	0.03	0.16	1.34	0.03	1.14	14	28.96	0
1981	9	6	0.16	0.14	9.85	0.11	0.03	0.26	1.34	0.03	1.18	14.07	29	0
1981	10	1	0.33	0.3	41.83	0.27	0.03	0.6	1.34	0.03	1.77	14.07	29	0
1981	10	2	0.33	0.33	14.32	0.27	0.03	0.61	1.34	0.03	0.76	14.07	29	0
1981	10	3	0.25	0.23	4.95	0.2	0.03	0.45	1.34	0.03	0.92	14.07	29	0
1981	10	4	0.11	0.1	3.53	0.06	0.03	0.17	1.34	0.03	1.2	14.07	29	0
1981	10	5	0.12	0.11	1.83	0.08	0.03	0.2	1.34	0.03	1.17	14.07	29	0
1981	10	6	0.22	0.22	10.88	0.22	0.04	0.38	1.61	0.03	1.26	14.07	29	0
1981	11	1	0.14	0.13	4.61	0.12	0.01	0.26	1.34	0.03	1.12	14.07	29	0
1981	11	2	0.28	0.25	4.04	0.24	0.01	0.52	1.34	0.03	0.85	14.07	29	0
1981	11	3	0.82	0.38	24.28	0.37	0.01	0.79	1.34	0.03	0.58	14.07	29	0
1981	11	4	0.98	0.89	68.23	0.86	0.03	1.85	1.34	0.03	0	14.07	29	0.47
1981	11	5	0.17	0.16	25.93	0.12	0.03	0.29	1.34	0.03	1.08	14.07	29	0
1981	11	6	0.46	0.42	9.35	0.39	0.03	0.85	1.34	0.03	0.52	14.07	29	0
1981	12	1	0.31	0.28	12.78	0.2	0.07	0.51	1.34	0.03	0.86	14.07	29	0
1981	12	2	0.2	0.18	11.62	0.2	0.07	0.3	1.34	0.03	1.07	14.07	29	0
1981	12	3	0.17	0.15	3.62	0.08	0.02	0.24	1.34	0.03	1.13	14.07	29	0
1981	12	4	0.17	0.15	3.44	0.13	0.02	0.3	1.34	0.03	1.07	14.07	29	0
1981	12	5	0.34	0.31	5.79	0.29	0.02	0.62	1.34	0.03	0.62	14.07	29	0
1981	12	6	0.77	0.7	37.81	0.88	0.02	1.45	1.61	0.03	0.19	14.07	29	0
1982	1	1	0.39	0.35	21.37	0.32	0.03	0.71	1.34	0.03	0.66	14.07	29	0
1982	1	2	1.65	1.65	11.65	0.78	0.03	1.67	1.34	0.03	0	14.07	29	0.3
1982	1	3	1.4	1.28	4.37	1.25	0.03	2.65	1.34	0.03	0	14.07	29	1.28
1982	1	4	0.9	0.82	18.14	0.79	0.03	1.69	1.34	0.03	0	14.07	29	0.32
1982	1	5	0.64	0.59	15.83	0.55	0.03	1.2	1.34	0.03	0.18	14.07	29	0
1982	1	6	0.55	0.5	3.66	0.46	0.04	1.01	1.61	0.03	0.65	14.07	29	0
1982	2	1	0.48	0.43	2.77	0.42	0.02	0.89	1.34	0.02	0.47	14.07	29	0
1982	2	2	0.22	0.2	1.14	0.19	0.02	0.41	1.34	0.02	0.96	14.07	29	0
1982	2	3	0.29	0.26	1.73	0.25	0.02	0.54	1.34	0.02	0.83	14.07	29	0
1982	2	4	0.22	0.2	1.57	0.16	0.04	0.39	1.34	0.02	0.98	14.07	29	0
1982	2	5	0.18	0.16	3.33	0.12	0.04	0.3	1.34	0.02	1.06	14.07	29	0
1982	2	6	0.13	0.12	2.83	0.09	0.02	0.22	1.34	0.01	0.6	14.07	29	0
1982	3	1	0.29	0.27	9.13	0.26	0	0.55	1.34	0.02	0.81	14.07	29	0
1982	3	2	0.37	0.34	31.73	0.33	0	0.7	1.34	0.02	0.66	14.07	29	0
1982	3	3	0.61	0.55	12.63	0.55	0	1.16	1.34	0.02	0.21	14.07	29	0
1982	3	4	0.59	0.54	16.98	0.52	0.02	1.11	1.34	0.02	0.26	14.07	29	0
1982	3	5	0.44	0.4	24.54	0.38	0.02	0.82	1.34	0.02	0.54	14.07	29	0
1982	3	6	0.42	0.38	8.13	0.36	0.02	0.77	1.61	0.03	0.86	14.07	29	0
1982	4	1	0.27	0.25	10.43	0.24	0.01	0.52	1.34	0.02	0.85	14.07	29	0
1982	4	2	0.23	0.21	10.64	0.2	0.01	0.42	1.34	0.02	0.94	14.07	29	0
1982	4	3	0.21	0.19	7.22	0.18	0.01	0.4	1.34	0.02	0.97	14.07	29	0
1982	4	4	0.34	0.31	17.29	0.3	0.01	0.65	1.34	0.02	0.72	14.07	29	0
1982	4	5	0.23	0.21	5.42	0.2	0.01	0.42	1.34	0.02	0.94	14.07	29	0
1982	4	6	0.33	0.3	7.44	0.29	0.01	0.62	1.34	0.02	0.75	14.07	29	0
1982	5	1	0.24	0.22	5.44	0.19	0.03	0.43	1.34	0.02	0.94	14.07	29	0
1982	5	2	0.21	0.19	3.58	0.16	0.03	0.37	1.34	0.02	0.99	14.07	29	0
1982	5	3	0.16	0.15	3.36	0.12	0.03	0.28	1.34	0.02	1.08	14.07	29	0
1982	5	4	0.11	0.1	1.94	0.07	0.03	0.19	1.34	0.02	1.18	14.07	29	0
1982	5	5	0.11	0.1	1.7	0.07	0.03	0.18	1.34	0.02	1.18	14.07	29	0
1982	5	6	0.17	0.15	2.31	0.11	0.03	0.28	1.61	0.03	1.36	14.07	29	0
1982	6	1	0.25	0.22	2.43	0.19	0.04	0.44	1.34	0.02	0.93	14.07	29	0
1982	6	2	0.18	0.17	3.79	0.14	0.03	0.32	1.34	0.02	1.04	14.07	29	0
1982	6	3	0.13	0.12	2.56	0.09	0.03	0.22	1.34	0.02	1.14	14.07	29	0
1982	6	4	0.11	0.1	2.54	0.07	0.03	0.18	1.34	0.02	1.18	14.07	29	0
1982	6	5	0.07	0.07	1.89	0.04	0.03	0.11	1.34	0.02	1.25	14.07	29	0
1982	6	6	0.11	0.1	1.29	0.07	0.03	0.18	1.34	0.02	1.18	14.07	29	0

Table F-36 (4) Reservoir Operation Study for Heightening of Krenceng Dam with Beroeng Diversion Tunnel (4/12)

Net supply yield: 3.11 m³/sec
 Water conveyance capacity: 3.11 m³/sec
 of pipe line

(Unit: 10⁶ m³)

Year	Month	Serial No. of 5 day period	Inflow discharge		Outflow at Beroeng intake		Inflow		Supply yield	Evapo	Water conveyance from Cida	Krenceng Storage volume	Reservoir Water level (El-m)	Spillover
			Krenceng	Beroeng intake	Diversion tunnel	Cidamau intake	Down stream	Krenceng + Beroeng diversion						
1982	7	1	0.08	0.07	1.41	0.03	0.12	1.34	0.02	1.24	14.07	29	0	
1982	7	2	0.07	0.06	1.28	0.03	0.09	1.34	0.02	1.27	14.07	29	0	
1982	7	3	0.07	0.06	1.24	0.03	0.09	1.34	0.02	1.24	14.04	28.98	0	
1982	7	4	0.17	0.15	1.79	0.12	0.28	1.34	0.02	1.11	14.07	29	0	
1982	7	5	0.17	0.16	2.21	0.12	0.33	1.34	0.02	1.07	14.07	29	0	
1982	7	6	0.2	0.14	4.78	0.14	0.35	1.61	0.03	1.29	14.07	29	0	
1982	8	1	0.11	0.1	1.68	0.07	0.17	1.34	0.03	1.2	14.07	29	0	
1982	8	2	0.08	0.07	1.28	0.04	0.12	1.34	0.03	1.25	14.07	29	0	
1982	8	3	0.04	0.03	0.81	0	0.04	1.34	0.03	0.81	13.56	28.68	0	
1982	8	4	0.03	0.03	0.69	0	0.03	1.34	0.03	0.69	12.91	28.27	0	
1982	8	5	0.02	0.02	0.57	0	0.02	1.34	0.03	0.57	12.13	27.78	0	
1982	8	6	0.02	0.02	0.54	0	0.02	1.61	0.03	0.54	11.04	27.1	0	
1982	9	1	0.05	0.04	0.84	0.01	0.05	1.34	0.02	0.84	10.57	26.81	0	
1982	9	2	0.05	0.04	0.57	0.01	0.06	1.34	0.02	0.57	9.84	26.35	0	
1982	9	3	0.04	0.04	0.53	0.01	0.05	1.34	0.02	0.53	9.05	25.86	0	
1982	9	4	0.04	0.04	0.45	0.01	0.05	1.34	0.02	0.45	8.19	25.32	0	
1982	9	5	0.04	0.04	0.96	0	0.04	1.34	0.02	0.96	7.83	25.1	0	
1982	9	6	0.05	0.05	1.07	0.01	0.07	1.34	0.02	1.07	7.6	24.94	0	
1982	10	1	0.06	0.06	1.26	0.03	0.09	1.34	0.02	1.26	7.59	24.93	0	
1982	10	2	0.04	0.04	0.56	0.01	0.05	1.34	0.02	0.56	6.84	24.31	0	
1982	10	3	0.04	0.04	0.36	0.01	0.05	1.34	0.02	0.36	5.89	23.52	0	
1982	10	4	0.1	0.09	0.96	0.03	0.16	1.34	0.02	0.96	5.64	23.32	0	
1982	10	5	0.05	0.04	0.94	0.01	0.06	1.34	0.02	0.94	5.28	23.02	0	
1982	10	6	0.05	0.05	0.63	0.01	0.06	1.34	0.02	0.63	4.33	22.15	0	
1982	11	1	0.04	0.04	0.49	0.02	0.04	1.34	0.02	0.49	3.52	21.26	0	
1982	11	2	0.06	0.06	5.34	0.04	0.11	1.34	0.01	1.34	3.61	21.36	0	
1982	11	3	0.06	0.06	1.72	0.02	0.1	1.34	0.01	1.34	3.7	21.45	0	
1982	11	4	0.06	0.05	0.78	0	0.06	1.34	0.01	0.78	3.18	20.88	0	
1982	11	5	0.06	0.05	2.65	0	0.06	1.34	0.01	1.34	3.22	20.93	0	
1982	11	6	0.06	0.05	2.54	0	0.06	1.34	0.01	1.34	3.27	20.98	0	
1982	12	1	0.04	0.04	1.36	0	0.04	1.34	0.01	1.34	3.3	21.02	0	
1982	12	2	0.04	0.04	0.42	0	0.04	1.34	0.01	0.42	2.41	19.89	0	
1982	12	3	0.04	0.04	2.22	0	0.04	1.34	0.01	1.34	2.44	19.94	0	
1982	12	4	0.04	0.04	2.79	0	0.04	1.34	0.01	1.34	2.47	19.99	0	
1982	12	5	0.05	0.04	2.93	0	0.05	1.34	0.01	1.34	2.51	20.04	0	
1982	12	6	0.13	0.11	8.58	0.04	0.17	1.61	0.01	1.61	2.66	20.26	0	
1983	1	1	0.19	0.17	6.77	0.07	0.33	1.34	0.01	1.34	2.98	20.67	0	
1983	1	2	0.11	0.1	6.98	0.07	0.18	1.34	0.01	1.34	3.15	20.85	0	
1983	1	3	0.08	0.07	6.17	0.05	0.13	1.34	0.01	1.34	3.27	20.98	0	
1983	1	4	0.12	0.11	11.05	0	0.22	1.34	0.01	1.34	3.48	21.21	0	
1983	1	5	0.32	0.29	20.04	0	0.61	1.34	0.01	1.34	4.08	21.87	0	
1983	1	6	0.06	0.05	13.66	0	0.11	1.61	0.02	1.61	4.17	21.97	0	
1983	2	1	0.22	0.2	7.9	0.04	0.38	1.34	0.01	1.34	4.53	22.36	0	
1983	2	2	0.22	0.2	9.4	0.04	0.38	1.34	0.01	1.34	4.9	22.7	0	
1983	2	3	0.06	0.05	2.59	0.01	0.07	1.34	0.01	1.34	4.95	22.75	0	
1983	2	4	0.14	0.12	2.82	0.01	0.26	1.34	0.01	1.34	5.2	22.95	0	
1983	2	5	0.08	0.08	3.12	0.01	0.15	1.34	0.01	1.34	5.33	23.06	0	
1983	2	6	0.26	0.24	2.49	0	0.5	0.81	0.01	0.81	5.83	23.47	0	
1983	3	1	0.43	0.39	5.41	0.02	0.81	1.34	0.01	1.34	6.62	24.13	0	
1983	3	2	0.19	0.18	2.72	0.02	0.35	1.34	0.01	1.34	6.96	24.41	0	
1983	3	3	0.16	0.14	1.99	0.02	0.28	1.34	0.01	1.34	7.23	24.63	0	
1983	3	4	0.06	0.06	1.34	0.01	0.12	1.34	0.02	1.34	7.32	24.71	0	
1983	3	5	0.07	0.06	1.97	0.01	0.12	1.34	0.02	1.34	7.42	24.79	0	
1983	3	6	0.31	0.28	3.53	0.02	0.58	1.61	0.02	1.61	7.98	25.19	0	
1983	4	1	0.19	0.17	4.93	0.01	0.35	1.34	0.02	1.34	8.31	25.4	0	
1983	4	2	0.3	0.27	4.37	0.01	0.56	1.34	0.02	1.34	8.84	25.73	0	
1983	4	3	0.06	0.06	3.8	0.01	0.11	1.34	0.02	1.34	8.94	25.79	0	
1983	4	4	0.14	0.12	4.52	0.03	0.25	1.34	0.02	1.34	9.15	25.92	0	
1983	4	5	0.59	0.54	3.83	0.03	1.1	1.34	0.02	1.34	10.22	26.6	0	
1983	4	6	0.45	0.41	4.72	0.03	0.82	1.34	0.02	1.34	11.03	27.1	0	

Table F-36 (5) Reservoir Operation Study for Heightening of Krenceng Dam with Beroeng Diversion Tunnel (5/12)

Net supply yield: 3.11 m³/sec
 Water conveyance capacity: 3.11 m³/sec
 of pipe line

(Unit: 10⁶ m³)

Year	Month	Serial No. of 5 day period	Inflow discharge			Outflow at Beroeng intake		Inflow		Supply yield	Evapo	Water conveyance from Cida	Krenceng Storage volume	Reservoir Water level (El-m)	Spillout
			Krenceng	Beroeng intake	Citandit intake	Diversion tunnel	Down stream	Krenceng + Beroeng diversion							
1983	5	1	0.25	0.23	2.07	0.2	0.03	0.03	0.85	1.34	0.02	1.34	27.37	0	
1983	5	2	0.46	0.42	2.07	0.39	0.03	0.03	0.85	1.34	0.02	1.34	27.88	0	
1983	5	3	0.28	0.26	6.1	0.23	0.03	0.03	0.51	1.34	0.02	1.34	28.19	0	
1983	5	4	0.28	0.25	3.08	0.22	0.03	0.03	0.5	1.34	0.02	1.34	28.49	0	
1983	5	5	0.18	0.16	4.03	0.18	0.03	0.03	0.31	1.34	0.02	1.34	28.67	0	
1983	5	6	0.27	0.25	3.11	0.21	0.04	0.03	0.48	1.61	0.03	1.61	28.95	0	
1983	6	1	0.15	0.13	4.03	0.15	0.03	0.03	0.25	1.34	0.02	1.34	29	0	
1983	6	2	0.97	0.88	3.43	0.85	0.03	0.03	1.82	1.34	0.02	1.34	29	0.46	
1983	6	3	0.36	0.33	2.69	0.3	0.03	0.03	0.66	1.34	0.02	1.34	29	0	
1983	6	4	0.21	0.2	3.92	0.16	0.03	0.03	0.38	1.34	0.02	1.34	29	0	
1983	6	5	0.12	0.11	4.85	0.08	0.03	0.03	0.2	1.16	0.02	1.16	29	0	
1983	6	6	0.27	0.24	5.14	0.21	0.03	0.03	0.48	1.34	0.02	1.34	29	0	
1983	7	1	0.15	0.14	7.96	0.11	0.03	0.03	0.26	1.34	0.02	1.34	29	0	
1983	7	2	0.02	0.02	4.92	0	0.02	0.02	0.02	1.34	0.02	1.34	29	0	
1983	7	3	0.02	0.02	2.54	0	0.02	0.02	0.02	1.34	0.02	1.34	29	0	
1983	7	4	0.05	0.04	3.36	0.01	0.03	0.03	0.06	1.34	0.02	1.34	29	0	
1983	7	5	0.05	0.04	2.46	0.01	0.03	0.03	0.05	1.34	0.02	1.34	29	0	
1983	7	6	0.06	0.06	3.37	0.02	0.04	0.03	0.08	1.61	0.03	1.61	29	0	
1983	8	1	0.02	0.02	1.43	0	0.02	0.02	0.02	1.34	0.03	1.34	29	0	
1983	8	2	0.02	0.01	0.68	0	0.01	0.01	0.02	1.34	0.03	1.34	28.57	0	
1983	8	3	0.01	0.01	1.2	0	0.01	0.01	0.01	1.2	0.03	1.2	28.23	0	
1983	8	4	0.01	0.01	1.48	0	0.01	0.01	0.01	1.34	0.03	1.34	28.47	0	
1983	8	5	0.03	0.02	3.95	0	0.02	0.03	0.03	1.34	0.03	1.34	28.47	0	
1983	8	6	0.01	0.01	1.06	0	0.01	0.01	0.01	1.61	0.03	1.61	28.1	0	
1983	9	1	0	0	0.49	0	0	0	0	1.34	0.02	1.34	27.56	0	
1983	9	2	0.01	0.01	0.76	0	0.01	0.01	0.01	1.34	0.02	1.34	27.19	0	
1983	9	3	0.01	0.01	0.83	0	0.01	0.01	0.01	1.34	0.02	1.34	26.87	0	
1983	9	4	0.01	0.01	0.7	0	0.01	0.01	0.01	1.34	0.02	1.34	26.46	0	
1983	9	5	0.01	0.01	0.7	0	0.01	0.01	0.01	1.34	0.02	1.34	26.05	0	
1983	9	6	0.01	0.01	0.54	0	0	0.01	0.01	1.34	0.02	1.34	25.54	0	
1983	10	1	0	0	0.38	0	0	0	0	1.34	0.02	1.34	24.9	0	
1983	10	2	0	0	0.29	0	0	0	0	1.34	0.02	1.34	24.01	0	
1983	10	3	0	0	0.33	0	0	0	0	1.34	0.02	1.34	23.16	0	
1983	10	4	0	0	0.37	0	0	0	0	1.34	0.02	1.34	22.28	0	
1983	10	5	0.04	0.03	2.51	0	0.03	0.04	0.04	1.34	0.01	1.34	22.31	0	
1983	10	6	0.05	0.04	6.55	0	0.04	0.05	0.05	1.61	0.02	1.61	22.35	0	
1983	11	1	0.04	0.04	7.08	0.02	0.01	0.06	0.06	1.34	0.02	1.34	22.4	0	
1983	11	2	0.08	0.07	5.71	0.06	0.01	0.14	0.14	1.34	0.02	1.34	22.52	0	
1983	11	3	0.01	0.01	7.36	0	0.01	0.01	0.01	1.34	0.02	1.34	22.52	0	
1983	11	4	0.47	0.42	39.04	0.41	0.02	0.87	0.87	1.34	0.02	1.34	23.22	0	
1983	11	5	1.57	1.25	0.64	1.23	1.25	2.6	2.6	1.34	0.02	1.34	24.78	0	
1983	11	6	3.91	3.56	21.87	1.73	1.83	5.64	5.64	1.34	0.02	1.34	28.35	0	
1983	12	1	0.37	0.34	19.35	0.26	0.08	0.63	0.63	1.34	0.03	1.34	28.72	0	
1983	12	2	0.36	0.33	10.29	0.25	0.08	0.61	0.61	1.34	0.03	1.34	29	0	
1983	12	3	0.12	0.11	4.38	0.03	0.08	0.15	0.15	1.34	0.03	1.34	29	0	
1983	12	4	0.08	0.07	4.43	0.02	0.05	0.1	0.1	1.34	0.03	1.34	29	0	
1983	12	5	0.06	0.05	3.73	0	0.05	0.06	0.06	1.34	0.03	1.34	29	0	
1983	12	6	0.08	0.07	7.05	0	0.06	0.08	0.08	1.61	0.03	1.61	29	0	
1984	1	1	0.12	0.11	5.67	0.08	0.11	0.34	0.34	1.34	0.03	1.34	29	0	
1984	1	2	0.23	0.21	1.38	0.23	0.03	0.41	0.41	1.34	0.03	1.34	29	0	
1984	1	3	0.08	0.08	6.24	0.04	0.03	0.13	0.13	1.34	0.03	1.34	29	0	
1984	1	4	0.13	0.12	6.94	0.1	0.02	0.23	0.23	1.34	0.03	1.34	29	0	
1984	1	5	0.9	0.82	7.06	0.8	0.02	1.69	1.69	1.34	0.03	1.34	29	0.32	
1984	1	6	1.69	1.53	9.84	1.51	0.02	3.2	3.2	1.61	0.02	1.61	29	1.55	
1984	2	1	0.46	0.42	7.43	0.38	0.03	0.84	0.84	1.34	0.02	1.34	29	0	
1984	2	2	0.34	0.31	12.52	0.28	0.03	0.62	0.62	1.34	0.02	1.34	29	0	
1984	2	3	0.4	0.36	5.64	0.33	0.03	0.73	0.73	1.34	0.02	1.34	29	0	
1984	2	4	0.8	0.8	4.15	0.69	0.03	1.49	1.49	1.34	0.02	1.34	29	0.12	
1984	2	5	0.72	0.66	2.87	0.62	0.03	1.35	1.35	1.34	0.02	1.34	29	0	
1984	2	6	0.46	0.42	6.03	0.39	0.03	0.85	0.85	1.07	0.02	1.07	29	0	

Table F-36 (6) Reservoir Operation Study for Heightening of Krenceng Dam with Beroeng Diversion Tunnel (6/12)

Net supply yield: 3.11 m³/sec
 Water conveyance capacity: 3.11 m³/sec
 of pipe line

(Unit: 10⁶ m³)

Year	Month	Serial No. of 5 day period	Inflow discharge		Outflow		In flow		Evapo	Water conveyance from Cida	Krenceng Storage volume	Reservoir Water level (El.m)	Spillover
			Krenceng	Beroeng intake	Cidanau intake	Diversion	at Beroeng intake	Down stream					
1984	3	1	0.38	0.34	5.87	0.31	0.03	0.63	1.34	0.02	14.07	29	0
1984	3	2	1.01	0.92	10.68	0.89	0.03	1.9	1.34	0.02	14.07	29	0.33
1984	3	3	1.41	1.29	12.95	1.29	0.03	2.67	1.34	0.02	14.07	29	1.3
1984	3	4	0.92	0.81	10.75	0.84	0.03	1.73	1.34	0.02	14.07	29	0.37
1984	3	5	1.78	1.62	19.09	1.58	0.03	3.36	1.34	0.02	14.07	29	1.99
1984	3	6	2.02	1.84	26.41	1.8	0.04	3.82	1.61	0.03	14.07	29	2.19
1984	4	1	0.18	0.16	11.88	0.14	0.02	0.32	1.34	0.02	14.07	29	0
1984	4	2	0.24	0.22	2.86	0.2	0.02	0.44	1.34	0.02	14.07	29	0
1984	4	3	0.16	0.15	3.83	0.13	0.02	0.29	1.34	0.02	14.07	29	0
1984	4	4	0.24	0.22	3.37	0.21	0.02	0.45	1.34	0.02	14.07	29	0
1984	4	5	0.18	0.17	4.38	0.15	0.02	0.33	1.34	0.02	14.07	29	0
1984	4	6	0.46	0.42	6.49	0.4	0.02	0.86	1.34	0.02	14.07	29	0
1984	5	1	0.5	0.46	5.85	0.42	0.03	0.95	1.34	0.02	14.07	29	0
1984	5	2	0.42	0.39	10.68	0.35	0.03	0.78	1.34	0.02	14.07	29	0
1984	5	3	0.22	0.2	15.63	0.17	0.03	0.4	1.34	0.02	14.07	29	0
1984	5	4	0.15	0.14	5.8	0.11	0.03	0.26	1.34	0.02	14.07	29	0
1984	5	5	0.24	0.22	3.97	0.18	0.03	0.42	1.34	0.02	14.07	29	0
1984	5	6	0.22	0.2	12.63	0.16	0.04	0.38	1.61	0.03	14.07	29	0
1984	6	1	0.18	0.15	6.23	0.15	0.03	0.35	1.34	0.02	14.07	29	0
1984	6	2	0.17	0.12	3.47	0.12	0.03	0.28	1.34	0.02	14.07	29	0
1984	6	3	0.21	0.19	3.13	0.16	0.03	0.38	1.34	0.02	14.07	29	0
1984	6	4	0.21	0.19	2.61	0.16	0.03	0.36	1.34	0.02	14.07	29	0
1984	6	5	0.14	0.13	3.12	0.1	0.03	0.24	1.34	0.02	14.07	29	0
1984	6	6	0.09	0.06	1.39	0.06	0.03	0.16	1.34	0.02	14.07	29	0
1984	7	1	0.24	0.22	2.29	0.19	0.03	0.43	1.34	0.02	14.07	29	0
1984	7	2	0.17	0.15	4.9	0.12	0.03	0.29	1.34	0.02	14.07	29	0
1984	7	3	0.09	0.08	3.29	0.05	0.03	0.14	1.34	0.02	14.07	29	0
1984	7	4	0.08	0.08	2.15	0.04	0.03	0.13	1.34	0.02	14.07	29	0
1984	7	5	0.16	0.15	2.76	0.12	0.03	0.28	1.34	0.02	14.07	29	0
1984	7	6	0.18	0.16	3.74	0.12	0.04	0.3	1.61	0.03	14.07	29	0
1984	8	1	0.09	0.08	2.5	0.05	0.03	0.14	1.34	0.02	14.07	29	0
1984	8	2	0.07	0.06	1.93	0.03	0.03	0.1	1.34	0.02	14.07	29	0
1984	8	3	0.15	0.14	1.48	0.11	0.03	0.26	1.34	0.03	14.07	29	0
1984	8	4	0.09	0.09	1.51	0.05	0.03	0.15	1.34	0.03	14.07	29	0
1984	8	5	0.08	0.08	1.4	0.04	0.03	0.13	1.34	0.03	14.07	29	0
1984	8	6	0.19	0.17	2.17	0.13	0.04	0.32	1.61	0.03	14.07	29	0
1984	9	1	0.11	0.1	1.67	0.07	0.03	0.18	1.34	0.03	14.07	29	0
1984	9	2	0.39	0.35	4.99	0.32	0.03	0.71	1.34	0.03	14.07	29	0
1984	9	3	0.4	0.37	6.26	0.33	0.03	0.74	1.34	0.03	14.07	29	0
1984	9	4	0.27	0.25	5.04	0.22	0.03	0.49	1.34	0.03	14.07	29	0
1984	9	5	0.18	0.17	4.38	0.13	0.03	0.32	1.34	0.03	14.07	29	0
1984	9	6	0.42	0.38	3.68	0.35	0.03	0.77	1.34	0.03	14.07	29	0
1984	10	1	0.48	0.43	10.4	0.4	0.03	0.88	1.34	0.03	14.07	29	0
1984	10	2	0.13	0.12	4.41	0.09	0.03	0.22	1.34	0.03	14.07	29	0
1984	10	3	0.22	0.2	2.02	0.17	0.03	0.4	1.34	0.03	14.07	29	0
1984	10	4	0.18	0.16	2.39	0.13	0.03	0.31	1.34	0.03	14.07	29	0
1984	10	5	0.22	0.2	2.31	0.16	0.03	0.38	1.34	0.03	14.07	29	0
1984	10	6	0.13	0.12	3.38	0.08	0.04	0.22	1.61	0.03	14.07	29	0
1984	11	1	0.15	0.13	1.61	0.12	0.02	0.26	1.34	0.03	14.07	29	0
1984	11	2	0.08	0.07	2.76	0.06	0.02	0.14	1.34	0.03	14.07	29	0
1984	11	3	0.08	0.08	4.87	0.06	0.02	0.14	1.34	0.03	14.07	29	0
1984	11	4	0.19	0.17	4.94	0.11	0.06	0.3	1.34	0.03	14.07	29	0
1984	11	5	0.14	0.13	3.57	0.07	0.06	0.22	1.34	0.03	14.07	29	0
1984	11	6	0.08	0.07	3.76	0.01	0.06	0.09	1.34	0.03	14.07	29	0
1984	12	1	0.1	0.1	19.97	0.03	0.06	0.14	1.34	0.03	14.07	29	0
1984	12	2	0.09	0.08	19.21	0.07	0.06	0.1	1.34	0.03	14.07	29	0
1984	12	3	0.15	0.13	7.94	0.07	0.06	0.22	1.34	0.03	14.07	29	0
1984	12	4	0.12	0.11	7.01	0.07	0.04	0.19	1.34	0.03	14.07	29	0
1984	12	5	0.1	0.09	3.33	0.03	0.04	0.15	1.34	0.03	14.07	29	0
1984	12	6	0.39	0.35	17.94	0.3	0.05	0.69	1.61	0.03	14.07	29	0

Table F-36 (7) Reservoir Operation Study for Heightening of Krenceng Dam with Berong Diversion Tunnel (7/12)

Net supply yield: 3.11 m³/sec
 Water conveyance capacity: 3.11 m³/sec

(Unit: 1.0 m³)

Year	Month	Serial No. of 5 day period	Inflow discharge		Outflow at Berong intake		In flow		Supply yield	Evapo	Water conveyance from Cida	Krenceng Storage volume	Reservoir Water level (El-m)	Spillover
			Krenceng	Berong intake	Cidanau intake	Down stream	Krenceng + Berong diversion	Evapo						
1985	1	1	0.11	0.1	9.49	0.08	0.02	0.19	1.34	0.03	1.18	14.07	29	0
1985	1	2	0.41	0.37	8.38	0.35	0.02	0.76	1.34	0.03	0.62	14.07	29	0
1985	1	3	0.11	0.1	16.18	0.08	0.02	0.76	1.34	0.03	0.62	14.07	29	0
1985	1	4	0.09	0.08	5.53	0.05	0.03	0.13	1.34	0.03	1.24	14.07	29	0
1985	1	5	0.12	0.11	3.77	0.08	0.03	0.2	1.34	0.03	1.17	14.07	29	0
1985	1	6	0.23	0.21	6.98	0.17	0.04	0.41	1.34	0.03	1.24	14.07	29	0
1985	2	1	0.1	0.09	3.16	0.04	0.05	0.14	1.34	0.02	1.23	14.07	29	0
1985	2	2	0.09	0.08	5.12	0.03	0.05	0.11	1.34	0.02	1.23	14.07	29	0
1985	2	3	0.07	0.07	6.31	0.02	0.05	0.09	1.34	0.02	1.28	14.07	29	0
1985	2	4	0.05	0.05	3.27	0.03	0.01	0.08	1.34	0.02	1.28	14.07	29	0
1985	2	5	0.18	0.17	5.68	0.15	0.01	0.34	1.34	0.02	1.03	14.07	29	0
1985	2	6	0.03	0.03	3.67	0.02	0.01	0.05	1.34	0.01	0.77	14.07	29	0
1985	3	1	0.17	0.16	5.65	0.15	0	0.32	1.34	0.02	1.04	14.07	29	0
1985	3	2	0.38	0.35	18.22	0.34	0	0.72	1.34	0.02	0.64	14.07	29	0
1985	3	3	0.14	0.13	14.18	0.13	0	0.27	1.34	0.02	1.09	14.07	29	0
1985	3	4	0.15	0.14	4.8	0.03	0.03	0.25	1.34	0.02	1.11	14.07	29	0
1985	3	5	0.08	0.07	2.99	0.04	0.03	0.12	1.34	0.02	1.25	14.07	29	0
1985	3	6	0.15	0.14	2.65	0.09	0.04	0.24	1.61	0.03	1.39	14.07	29	0
1985	4	1	0.11	0.1	1.83	0.07	0.03	0.17	1.34	0.02	1.19	14.07	29	0
1985	4	2	0.15	0.14	2.37	0.15	0.1	0.25	1.34	0.02	1.11	14.07	29	0
1985	4	3	0.25	0.22	4.57	0.19	0.03	0.44	1.34	0.02	0.93	14.07	29	0
1985	4	4	0.57	0.52	9.42	0.51	0.02	1.08	1.34	0.02	0.29	14.07	29	0
1985	4	5	0.18	0.16	6.9	0.15	0.02	0.32	1.34	0.02	1.04	14.07	29	0
1985	4	6	0.18	0.17	7.61	0.15	0.02	0.33	1.34	0.02	1.03	14.07	29	0
1985	5	1	0.1	0.1	6.54	0.06	0.03	0.17	1.34	0.02	1.2	14.07	29	0
1985	5	2	0.08	0.07	5.09	0.04	0.03	0.12	1.34	0.02	1.25	14.07	29	0
1985	5	3	0.09	0.08	4.03	0.05	0.03	0.14	1.34	0.02	1.23	14.07	29	0
1985	5	4	0.06	0.05	3.38	0.02	0.03	0.08	1.34	0.02	1.28	14.07	29	0
1985	5	5	0.05	0.05	3.62	0.02	0.03	0.07	1.34	0.02	1.3	14.07	29	0
1985	5	6	0.09	0.08	3.49	0.05	0.04	0.14	1.61	0.03	1.5	14.07	29	0
1985	6	1	0.06	0.06	2.26	0.03	0.03	0.08	1.34	0.02	1.28	14.07	29	0
1985	6	2	0.08	0.07	2.06	0.04	0.03	0.12	1.34	0.02	1.24	14.07	29	0
1985	6	3	0.05	0.05	2.49	0.02	0.03	0.07	1.34	0.02	1.29	14.07	29	0
1985	6	4	0.06	0.05	3.07	0.02	0.03	0.37	1.34	0.02	1.29	14.07	29	0
1985	6	5	0.21	0.19	3.17	0.16	0.03	0.37	1.34	0.02	0.99	14.07	29	0
1985	6	6	0.06	0.05	2.9	0.02	0.03	0.07	1.34	0.02	1.29	14.07	29	0
1985	7	1	0.07	0.06	2.05	0.03	0.03	0.1	1.34	0.02	1.26	14.07	29	0
1985	7	2	0.14	0.13	2.68	0.09	0.03	0.23	1.34	0.02	1.13	14.07	29	0
1985	7	3	0.17	0.15	2.3	0.12	0.03	0.29	1.34	0.02	1.07	14.07	29	0
1985	7	4	0.17	0.16	2.46	0.12	0.03	0.29	1.34	0.02	1.07	14.07	29	0
1985	7	5	0.27	0.24	5.96	0.21	0.03	0.48	1.34	0.02	0.89	14.07	29	0
1985	7	6	0.11	0.1	7.88	0.06	0.04	0.17	1.61	0.03	1.47	14.07	29	0
1985	8	1	0.25	0.23	5.37	0.2	0.03	0.45	1.34	0.03	0.93	14.07	29	0
1985	8	2	0.09	0.09	5.21	0.05	0.03	0.15	1.34	0.03	1.22	14.07	29	0
1985	8	3	0.06	0.06	3.17	0.02	0.03	0.09	1.34	0.03	1.29	14.07	29	0
1985	8	4	0.06	0.06	2.71	0.02	0.03	0.09	1.34	0.03	1.29	14.07	29	0
1985	8	5	0.05	0.05	2.06	0.01	0.03	0.06	1.34	0.03	1.31	14.07	29	0
1985	8	6	0.07	0.06	1.82	0.02	0.04	0.09	1.61	0.03	1.56	14.07	29	0
1985	9	1	0.04	0.04	1.18	0	0.03	0.05	1.34	0.03	1.18	13.95	28.91	0
1985	9	2	0.08	0.08	1.2	0.04	0.03	0.13	1.34	0.03	1.12	13.89	28.89	0
1985	9	3	0.06	0.05	4.41	0.02	0.03	0.07	1.34	0.03	1.34	15.94	28.92	0
1985	9	4	0.05	0.04	3.4	0.01	0.03	0.06	1.34	0.03	1.34	13.97	28.94	0
1985	9	5	0.04	0.04	2.39	0.01	0.03	0.05	1.34	0.03	1.34	14	28.95	0
1985	9	6	0.1	0.09	2.22	0.05	0.03	0.15	1.34	0.03	1.29	14.07	29	0
1985	10	1	0.12	0.1	1.75	0.07	0.03	0.19	1.34	0.03	1.18	14.07	29	0
1985	10	2	0.1	0.1	2.66	0.06	0.03	0.17	1.34	0.03	1.2	14.07	29	0
1985	10	3	0.07	0.06	5.63	0.03	0.03	0.1	1.34	0.03	1.27	14.07	29	0
1985	10	4	0.34	0.31	7.25	0.28	0.03	0.61	1.34	0.03	0.75	14.07	29	0
1985	10	5	0.07	0.06	9.42	0.03	0.04	0.1	1.34	0.03	1.27	14.07	29	0
1985	10	6	0.08	0.07	5.41	0.03	0.04	0.11	1.61	0.03	1.53	14.07	29	0

Table F-36 (8) Reservoir Operation Study for Heightening of Krenceng Dam with Beroeng Diversion Tunnel (8/12)

Net supply yield: 3.11 m³/sec
 Water conveyance capacity: 3.11 m³/sec
 of pipe line

(Unit: 10 m³)

Year	Month	Serial No. of 5 day period	Inflow discharge			Outflow at Beroeng Intake		Inflow		Supply yield	Evapo	Water conveyance from Cida	Krenceng Storage volume	Reservoir Water level (Elom)	Spillout
			Krenceng	Beroeng intake	Cidanan intake	Down -stream	Diversion tunnel	Krenceng + Beroeng diversion							
1985	11	1	0.08	0.07	4.09	0.06	0.02	0.14	1.34	0.03	1.23	14.07	29	0	
1985	11	2	0.15	0.14	5.88	0.12	0.02	0.27	1.34	0.03	1.11	14.07	29	0	
1985	11	3	0.06	0.05	4.31	0.04	0.02	0.1	1.34	0.03	1.28	14.07	29	0	
1985	11	4	0.04	0.04	5	0	0.04	0.04	1.34	0.03	1.33	14.07	29	0	
1985	11	5	0.06	0.06	3.71	0	0.06	0.06	1.34	0.03	1.31	14.07	29	0	
1985	11	6	0.1	0.09	6.58	0.03	0.06	0.13	1.34	0.03	1.24	14.07	29	0	
1985	12	1	0.3	0.27	14.57	0.21	0.06	0.51	1.34	0.03	0.85	14.07	29	0	
1985	12	2	0.12	0.11	12.34	0.05	0.11	0.17	1.34	0.03	1.19	14.07	29	0	
1985	12	3	0.05	0.05	4.18	0	0.05	0.05	1.34	0.03	1.32	14.07	29	0	
1985	12	4	0.08	0.07	1.9	0	0.07	0.08	1.34	0.03	1.29	14.07	29	0	
1985	12	5	0.12	0.11	1.76	0.03	0.08	0.15	1.34	0.03	1.22	14.07	29	0	
1985	12	6	0.11	0.11	2.2	0.01	0.09	0.12	1.61	0.03	1.52	14.07	29	0	
1986	1	1	0.08	0.07	6.53	0.06	0.01	0.14	1.34	0.03	1.23	14.07	29	0	
1986	1	2	0.84	0.76	20.99	0.76	0.01	1.59	1.34	0.03	0	14.07	29	0.22	
1986	1	3	0.29	0.27	22.16	0.26	0.01	0.55	1.34	0.03	0.82	14.07	29	0	
1986	1	4	0.43	0.39	11.32	0.36	0.03	0.79	1.34	0.03	0.59	14.07	29	0	
1986	1	5	1.2	1.09	23.29	1.06	0.03	2.26	1.34	0.03	0	14.07	29	0.89	
1986	1	6	0.91	0.83	26.46	0.79	0.04	1.7	1.61	0.03	0	14.07	29	0.05	
1986	2	1	0.34	0.31	12.29	0.27	0.03	0.61	1.34	0.02	0.76	14.07	29	0	
1986	2	2	0.27	0.25	7.98	0.22	0.03	0.49	1.34	0.02	0.88	14.07	29	0	
1986	2	3	0.48	0.44	10.55	0.41	0.03	0.89	1.34	0.02	0.68	14.07	29	0	
1986	2	4	0.17	0.15	9.01	0.15	0.01	0.32	1.34	0.02	1.05	14.07	29	0	
1986	2	5	0.23	0.21	7.44	0.2	0.01	0.43	1.34	0.02	0.54	14.07	29	0	
1986	2	6	0.15	0.14	3.56	0.13	0	0.28	0.81	0.01	0.84	14.07	29	0	
1986	3	1	0.26	0.24	5.17	0.2	0.03	0.47	1.34	0.02	0.9	14.07	29	0	
1986	3	2	0.16	0.15	4.34	0.11	0.03	0.27	1.34	0.02	1.09	14.07	29	0	
1986	3	3	0.24	0.21	3.49	0.18	0.03	0.42	1.34	0.02	0.95	14.07	29	0	
1986	3	4	0.19	0.17	2.95	0.15	0.02	0.34	1.34	0.02	1.02	14.07	29	0	
1986	3	5	0.18	0.16	12.63	0.14	0.02	0.31	1.34	0.02	1.05	14.07	29	0	
1986	3	6	0.15	0.14	27.87	0.11	0.02	0.27	1.61	0.03	1.37	14.07	29	0	
1986	4	1	0.3	0.27	10.56	0.26	0.01	0.56	1.34	0.02	0.81	14.07	29	0	
1986	4	2	0.21	0.19	10.38	0.4	0.01	0.4	1.34	0.02	0.97	14.07	29	0	
1986	4	3	0.28	0.25	8.2	0.25	0.01	0.52	1.34	0.02	0.84	14.07	29	0	
1986	4	4	0.17	0.15	7.77	0.13	0.02	0.3	1.34	0.02	1.07	14.07	29	0	
1986	4	5	0.13	0.12	4.78	0.1	0.02	0.23	1.34	0.02	1.14	14.07	29	0	
1986	4	6	0.21	0.19	3.75	0.17	0.02	0.38	1.34	0.02	0.98	14.07	29	0	
1986	5	1	0.1	0.09	5.48	0.06	0.03	0.16	1.34	0.02	1.2	14.07	29	0	
1986	5	2	0.15	0.14	4.23	0.11	0.03	0.26	1.34	0.02	1.1	14.07	29	0	
1986	5	3	0.17	0.15	4.24	0.12	0.03	0.29	1.34	0.02	1.08	14.07	29	0	
1986	5	4	0.08	0.08	4.06	0.04	0.03	0.13	1.34	0.02	1.24	14.07	29	0	
1986	5	5	0.11	0.1	2.58	0.07	0.03	0.17	1.34	0.02	1.19	14.07	29	0	
1986	5	6	0.1	0.09	2.74	0.05	0.04	0.16	1.61	0.03	1.48	14.07	29	0	
1986	6	1	0.06	0.06	2.56	0.02	0.03	0.08	1.34	0.02	1.28	14.07	29	0	
1986	6	2	0.11	0.1	2.39	0.07	0.03	0.13	1.34	0.02	1.19	14.07	29	0	
1986	6	3	0.22	0.2	2.19	0.17	0.03	0.39	1.34	0.02	0.98	14.07	29	0	
1986	6	4	0.09	0.08	2.23	0.05	0.03	0.14	1.34	0.02	1.22	14.07	29	0	
1986	6	5	0.05	0.05	2.56	0.02	0.03	0.07	1.34	0.02	1.29	14.07	29	0	
1986	6	6	0.06	0.05	1.58	0.02	0.03	0.08	1.34	0.02	1.28	14.07	29	0	
1986	7	1	0.1	0.09	1.21	0.05	0.03	0.15	1.34	0.02	1.21	14.07	29	0	
1986	7	2	0.09	0.08	1.38	0.05	0.03	0.14	1.34	0.02	1.23	14.07	29	0	
1986	7	3	0.3	0.28	2.01	0.24	0.03	0.55	1.34	0.02	0.82	14.07	29	0	
1986	7	4	0.15	0.13	1.39	0.1	0.03	0.25	1.34	0.02	1.11	14.07	29	0	
1986	7	5	0.08	0.07	1.08	0.04	0.03	0.13	1.34	0.02	1.08	13.91	28.9	0	
1986	7	6	0.14	0.13	2.56	0.09	0.04	0.23	1.61	0.03	1.57	14.07	29	0	
1986	7	8	0.05	0.04	2.62	0.01	0.03	0.06	1.34	0.03	1.31	14.07	29	0	
1986	8	1	0.05	0.05	3.14	0.02	0.03	0.07	1.34	0.03	1.3	14.07	29	0	
1986	8	2	0.15	0.14	3.71	0.11	0.03	0.26	1.34	0.03	1.28	14.07	29	0	
1986	8	3	0.07	0.06	2.44	0.03	0.03	0.1	1.34	0.03	1.38	14.07	29	0	
1986	8	4	0.06	0.06	2.44	0.03	0.03	0.1	1.34	0.03	1.25	14.01	28.96	0	
1986	8	5	0.05	0.04	1.25	0.01	0.03	0.06	1.34	0.03	1.2	13.67	28.75	0	
1986	8	6	0.08	0.07	1.2	0.03	0.04	0.11	1.61	0.03	1.2	13.67	28.75	0	

Table F.36 (9) Reservoir Operation Study for Heightening of Krenceng Dam with Beroeng Diversion Tunnel (9/12)

Net supply yield: 3.11 m3/sec
 Water conveyance capacity: 3.11 m3/sec
 of pipe line

(Unit: 10 m3)

Year	Month	Serial No. of 5 day period	Inflow discharge		Outflow at Beroeng intake		In flow		Evapo	Water conveyance from Cida	Krenceng Storage volume	Reservoir Water level (Elm)	Spillover	
			Krenceng	Beroeng intake	Cidanau intake	Down stream	Krenceng + Beroeng diversion	Supply yield						
1986	9	1	0.06	0.06	0.81	0.02	0.03	0.09	1.34	0.03	0.81	13.2	28.46	0
1986	9	2	0.14	0.13	1.34	0.1	0.03	0.24	1.34	0.02	1.34	13.41	28.58	0
1986	9	3	0.14	0.13	2.58	0.09	0.03	0.23	1.34	0.02	1.34	13.61	28.71	0
1986	9	4	0.07	0.07	2.87	0.1	0.03	0.1	1.34	0.03	1.34	13.69	28.76	0
1986	9	5	0.05	0.05	2.95	0.02	0.03	0.07	1.34	0.03	1.34	13.74	28.79	0
1986	9	6	0.06	0.05	4.01	0.02	0.03	0.08	1.34	0.03	1.34	13.8	28.83	0
1986	10	1	0.18	0.16	3.4	0.13	0.03	0.31	1.34	0.03	1.34	13.8	28.83	0
1986	10	2	0.13	0.12	2.28	0.08	0.03	0.21	1.34	0.03	1.34	14.07	29	0
1986	10	3	0.07	0.06	3.81	0.03	0.03	0.1	1.34	0.03	1.34	14.07	29	0
1986	10	4	0.06	0.06	4.15	0.02	0.03	0.09	1.34	0.03	1.34	14.07	29	0
1986	10	5	0.04	0.04	2.63	0.01	0.03	0.05	1.34	0.03	1.34	14.07	29	0
1986	10	6	0.3	0.28	8.24	0.24	0.04	0.54	1.61	0.03	1.1	14.07	29	0
1986	11	1	0.1	0.09	9.17	0.08	0.01	0.19	1.34	0.03	1.18	14.07	29	0
1986	11	2	0.2	0.18	14.22	0.17	0.01	0.37	1.34	0.03	1	14.07	29	0
1986	11	3	0.17	0.15	23.09	0.14	0.01	0.31	1.34	0.03	1.06	14.07	29	0
1986	11	4	0.25	0.22	9.96	0.21	0.02	0.46	1.34	0.03	0.92	14.07	29	0
1986	11	5	0.1	0.09	4.08	0.08	0.02	0.18	1.34	0.03	1.19	14.07	29	0
1986	11	6	0.19	0.17	5.29	0.15	0.02	0.34	1.34	0.03	1.03	14.07	29	0
1986	12	1	0.06	0.05	5.16	0.02	0.04	0.08	1.34	0.03	1.29	14.07	29	0
1986	12	2	0.05	0.04	2.02	0.01	0.04	0.05	1.34	0.03	1.32	14.07	29	0
1986	12	3	0.22	0.2	6.15	0.17	0.04	0.39	1.34	0.03	0.98	14.07	29	0
1986	12	4	0.28	0.26	9.62	0.21	0.05	0.49	1.34	0.03	0.88	14.07	29	0
1986	12	5	0.06	0.06	5.17	0.01	0.05	0.07	1.34	0.03	1.3	14.07	29	0
1986	12	6	0.11	0.1	3.79	0.04	0.06	0.15	1.61	0.03	1.49	14.07	29	0
1987	1	1	0.16	0.15	4.97	0.11	0.03	0.27	1.34	0.03	1.1	14.07	29	0
1987	1	2	0.56	0.52	19.07	0.52	0.03	1.14	1.34	0.03	0.24	14.07	29	0
1987	1	3	0.49	0.45	26.46	0.41	0.03	0.9	1.34	0.03	0.47	14.07	29	0
1987	1	4	0.18	0.16	14.77	0.16	0	0.33	1.34	0.03	1.04	14.07	29	0
1987	1	5	0.23	0.21	9.09	0.2	0	0.43	1.34	0.03	0.94	14.07	29	0
1987	1	6	0.29	0.27	10.66	0.26	0	0.56	1.61	0.03	1.09	14.07	29	0
1987	2	1	0.14	0.12	7.7	0.11	0.02	0.25	1.34	0.02	1.12	14.07	29	0
1987	2	2	0.38	0.34	12.17	0.33	0.02	0.7	1.34	0.02	0.67	14.07	29	0
1987	2	3	0.15	0.14	11	0.12	0.02	0.27	1.34	0.02	1.09	14.07	29	0
1987	2	4	0.2	0.18	8.8	0.08	0.01	0.19	1.34	0.02	1.17	14.07	29	0
1987	2	5	0.13	0.12	18.57	0.09	0.03	0.35	1.34	0.02	1.02	14.07	29	0
1987	2	6	0.46	0.42	11.49	0.4	0.02	0.86	0.81	0.01	1.15	14.07	29	0.04
1987	3	1	0.25	0.23	15.71	0.22	0.01	0.47	1.34	0.02	0.9	14.07	29	0
1987	3	2	0.14	0.13	15.69	0.11	0.01	0.26	1.34	0.02	1.11	14.07	29	0
1987	3	3	0.11	0.1	8.44	0.08	0.01	0.19	1.34	0.02	1.17	14.07	29	0
1987	3	4	0.09	0.09	3.67	0.07	0.02	0.16	1.34	0.02	1.2	14.07	29	0
1987	3	5	0.13	0.12	4.52	0.11	0.02	0.22	1.34	0.02	1.14	14.07	29	0
1987	3	6	0.16	0.15	5.62	0.12	0.02	0.29	1.61	0.03	1.35	14.07	29	0
1987	4	1	0.12	0.11	5.03	0.09	0.02	0.22	1.34	0.02	1.15	14.07	29	0
1987	4	2	0.1	0.09	6.52	0.07	0.02	0.17	1.34	0.02	1.19	14.07	29	0
1987	4	3	0.1	0.09	6.98	0.08	0.02	0.18	1.34	0.02	1.18	14.07	29	0
1987	4	4	0.1	0.09	6.76	0.08	0.01	0.18	1.34	0.02	1.19	14.07	29	0
1987	4	5	0.09	0.08	2.98	0.07	0.01	0.16	1.34	0.02	1.2	14.07	29	0
1987	4	6	0.51	0.48	4.85	0.27	0.01	0.58	1.34	0.02	0.78	14.07	29	0
1987	5	1	0.18	0.18	9.74	0.15	0.03	0.34	1.34	0.02	1.02	14.07	29	0
1987	5	2	0.26	0.24	7.51	0.21	0.03	0.47	1.34	0.02	0.69	14.07	29	0
1987	5	3	0.19	0.17	8.58	0.14	0.03	0.33	1.34	0.02	1.04	14.07	29	0
1987	5	4	0.15	0.14	7.27	0.11	0.03	0.25	1.34	0.02	1.11	14.07	29	0
1987	5	5	0.07	0.07	3.78	0.04	0.03	0.11	1.34	0.02	1.26	14.07	29	0
1987	5	6	0.09	0.08	4.14	0.04	0.04	0.13	1.61	0.03	1.51	14.07	29	0
1987	6	1	0.09	0.08	2.98	0.05	0.03	0.13	1.34	0.02	1.23	14.07	29	0
1987	6	2	0.1	0.09	3.03	0.06	0.03	0.16	1.34	0.02	1.2	14.07	29	0
1987	6	3	0.13	0.12	3.3	0.09	0.03	0.22	1.34	0.02	1.14	14.07	29	0
1987	6	4	0.08	0.07	3.28	0.04	0.03	0.12	1.34	0.02	1.25	14.07	29	0
1987	6	5	0.08	0.07	2.98	0.04	0.03	0.12	1.34	0.02	1.25	14.07	29	0
1987	6	6	0.07	0.06	2.63	0.03	0.03	0.1	1.34	0.02	1.27	14.07	29	0

Table F-36 (10) Reservoir Operation Study for Heightening of Krenceng Dam with Beroeng Diversion Tunnel (10/12)

Net supply yield: 3.11 m³/sec
 Water conveyance capacity: 3.11 m³/sec
 of pipe line

(Unit: 10⁶ m³)

Year	Month	Serial No. of 5 day period	Inflow discharge			Outflow at Beroeng intake		In flow		Supply yield	Ewpō	Water conveyance from Cida	Krenceng Storage volume	Reservoir Water level (El.-m)	Spillout
			Krenceng	Beroeng intake	Cidannu intake	Down stream	Diversion tunnel	Down stream	Krenceng + Beroeng diversion						
1987	7	1	0.06	0.06	2.33	0.02	0.03	0.08	1.34	0.02	1.28	14.07	29	0	
1987	7	2	0.05	0.05	1.78	0.01	0.03	0.06	1.34	0.02	1.3	14.07	29	0	
1987	7	3	0.04	0.04	1.43	0.01	0.03	0.05	1.34	0.02	1.32	14.07	29	0	
1987	7	4	0.04	0.04	1.06	0.01	0.03	0.05	1.34	0.02	1.06	13.82	28.84	0	
1987	7	5	0.05	0.04	1.11	0.01	0.03	0.05	1.34	0.02	1.11	13.61	28.71	0	
1987	7	6	0.05	0.05	1.64	0.01	0.04	0.06	1.61	0.03	1.61	13.64	28.75	0	
1987	8	1	0.04	0.04	1.26	0.01	0.03	0.05	1.34	0.03	1.26	13.59	28.7	0	
1987	8	2	0.04	0.04	0.93	0	0.03	0.04	1.34	0.03	0.93	13.18	28.44	0	
1987	8	3	0.04	0.04	1.02	0	0.03	0.04	1.34	0.03	1.02	12.87	28.25	0	
1987	8	4	0.04	0.03	0.79	0	0.03	0.04	1.34	0.03	0.79	12.33	27.91	0	
1987	8	5	0.04	0.04	0.66	0	0.03	0.04	1.34	0.03	0.66	11.66	27.49	0	
1987	8	6	0.05	0.04	0.66	0	0.04	0.05	1.61	0.03	0.66	10.73	26.91	0	
1987	9	1	0.04	0.04	0.53	0	0.03	0.04	1.34	0.02	0.53	9.93	26.41	0	
1987	9	2	0.04	0.03	0.49	0	0.03	0.04	1.34	0.02	0.49	9.1	25.89	0	
1987	9	3	0.04	0.04	0.49	0	0.03	0.04	1.34	0.02	0.49	8.27	25.37	0	
1987	9	4	0.05	0.04	0.49	0.01	0.03	0.06	1.34	0.02	0.49	7.45	24.82	0	
1987	9	5	0.04	0.04	1.49	0	0.03	0.04	1.34	0.02	0.49	6.62	24.13	0	
1987	9	6	0.04	0.03	0.49	0	0.03	0.04	1.34	0.02	0.49	5.79	23.44	0	
1987	10	1	0.04	0.03	0.5	0	0.03	0.04	1.34	0.02	0.5	4.97	22.76	0	
1987	10	2	0.04	0.03	0.49	0	0.03	0.04	1.34	0.02	0.49	4.14	21.94	0	
1987	10	3	0.04	0.03	1.21	0	0.03	0.04	1.34	0.01	1.21	4.04	21.83	0	
1987	10	4	0.04	0.03	0.93	0	0.03	0.04	1.34	0.01	0.93	3.66	21.41	0	
1987	10	5	0.04	0.03	1.09	0	0.03	0.04	1.34	0.01	1.09	3.43	21.16	0	
1987	10	6	0.05	0.04	0.8	0	0.04	0.05	1.61	0.01	0.8	2.66	20.26	0	
1987	11	1	0.04	0.04	0.67	0.02	0.02	0.07	1.34	0.01	0.67	2.04	19.36	0	
1987	11	2	0.11	0.09	1.15	0.08	0.02	0.18	1.34	0.01	1.15	2.01	19.33	0	
1987	11	3	0.05	0.05	2.5	0.03	0.02	0.09	1.34	0.01	2.01	2.09	19.44	0	
1987	11	4	0.04	0.04	0.29	0	0.04	0.04	1.34	0.01	1.34	2.12	19.48	0	
1987	11	5	0.04	0.03	1.42	0	0.03	0.04	1.34	0.01	1.34	2.15	19.52	0	
1987	11	6	0.04	0.04	0.87	0	0.04	0.04	1.34	0.01	0.87	1.7	18.84	0	
1987	12	1	0.04	0.04	0.84	0	0.03	0.05	1.34	0.01	0.84	1.24	18.01	0	
1987	12	2	0.05	0.04	3.8	0	0.04	0.05	1.61	0.01	1.61	1.99	19.29	0	
1988	1	1	0.04	0.03	1.44	0.01	0.03	0.06	1.34	0.01	1.34	1.29	18.1	0	
1988	1	2	0.07	0.07	0.77	0.02	0.05	0.09	1.34	0.01	0.77	1.52	18.52	0	
1988	1	3	0.07	0.07	0.85	0.02	0.05	0.09	1.34	0.01	0.85	1.11	17.73	0	
1988	1	4	0.12	0.11	2.1	0.07	0.03	0.19	1.34	0.01	1.34	1.29	18.1	0	
1988	1	5	0.08	0.07	3.25	0.04	0.03	0.12	1.34	0.01	1.34	1.4	18.31	0	
1988	2	1	0.4	0.36	8.29	0.33	0.04	0.73	1.61	0.01	1.61	2.12	19.48	0	
1988	2	2	1.26	1.15	16.54	1.12	0.03	2.38	1.34	0.01	1.34	4.49	22.32	0	
1988	2	3	0.87	0.79	20.76	0.76	0.03	1.64	1.34	0.01	1.34	6.11	23.71	0	
1988	2	4	0.16	0.14	14.78	0.11	0.03	0.27	1.34	0.02	1.34	6.37	23.92	0	
1988	2	5	0.08	0.07	21.66	0.03	0.04	0.11	1.34	0.02	1.34	6.46	23.99	0	
1988	2	6	0.07	0.06	10.92	0.03	0.04	0.07	1.34	0.02	1.34	6.54	24.06	0	
1988	3	1	0.05	0.05	2.72	0.02	0.03	0.07	1.07	0.01	1.07	6.6	24.11	0	
1988	3	2	0.08	0.07	6.58	0.07	0.01	0.15	1.34	0.01	1.34	6.74	24.23	0	
1988	3	3	0.07	0.06	10.78	0.06	0.01	0.13	1.34	0.01	1.34	6.85	24.32	0	
1988	3	4	0.06	0.06	6.59	0.05	0.01	0.12	1.34	0.01	1.34	6.96	24.41	0	
1988	3	5	0.06	0.06	6.31	0.06	0.01	0.11	1.34	0.01	1.34	7.05	24.48	0	
1988	3	6	0.08	0.07	7.21	0.06	0.01	0.14	1.34	0.02	1.34	7.18	24.59	0	
1988	4	1	0.09	0.08	11.66	0.07	0.02	0.16	1.61	0.02	1.61	7.31	24.7	0	
1988	4	2	0.16	0.15	20.66	0.11	0.03	0.27	1.34	0.02	1.34	7.57	24.92	0	
1988	4	3	0.1	0.09	10.15	0.06	0.03	0.15	1.34	0.02	1.34	7.71	25.02	0	
1988	4	4	0.07	0.06	7.3	0.03	0.03	0.1	1.34	0.02	1.34	7.8	25.08	0	
1988	4	5	0.07	0.06	7.25	0.05	0.01	0.12	1.34	0.02	1.34	7.9	25.14	0	
1988	4	6	0.08	0.08	8.4	0.06	0.01	0.15	1.34	0.02	1.34	8.03	25.23	0	
1988	4	6	0.06	0.05	6.1	0.04	0.01	0.1	1.34	0.02	1.34	8.12	25.28	0	

Table F-36 (11) Reservoir Operation Study for Heightening of Krenceng Dam with Beroeng Diversion Tunnel (11/12)

Net supply yield: 3.11 m3/sec
Water conveyance capacity: 3.11 m3/sec
of pipe line

(Unit: 10 m³)

6

Year	Month	Serial No. of 5 day period	Inflow discharge			Outflow at Beroeng intake		Inflow Krenceng + Beroeng diversion		Supply yield	Evapo	Water conveyance from Cida	Krenceng Storage volume	Reservoir Water level (El-m)	Spillover
			Krenceng	Beroeng intake	Cidanan intake	Diversion tunnel	Down stream	Beroeng diversion							
1988	5	1	0.05	0.05	7.77	0.02	0.03	0.07	1.34	0.02	1.34	8.18	25.32	0	
1988	5	2	0.05	0.04	8.62	0.01	0.03	0.06	1.34	0.02	1.34	8.22	25.34	0	
1988	5	3	0.06	0.05	6.74	0.02	0.03	0.08	1.34	0.02	1.34	8.28	25.38	0	
1988	5	4	0.07	0.06	9.24	0.03	0.03	0.11	1.34	0.02	1.34	8.36	25.43	0	
1988	5	5	0.06	0.05	7.75	0.02	0.03	0.08	1.34	0.02	1.34	8.42	25.47	0	
1988	5	6	0.05	0.05	4.45	0.01	0.04	0.07	1.61	0.02	1.61	8.46	25.49	0	
1988	6	1	0.08	0.07	3.12	0.04	0.03	0.12	1.34	0.02	1.34	8.56	25.56	0	
1988	6	2	0.05	0.05	5.72	0.01	0.03	0.06	1.34	0.02	1.34	8.61	25.59	0	
1988	6	3	0.05	0.04	6.27	0.01	0.03	0.06	1.34	0.02	1.34	8.66	25.62	0	
1988	6	4	0.04	0.04	5.46	0.04	0.03	0.04	1.34	0.02	1.34	8.68	25.63	0	
1988	6	5	0.04	0.03	4.47	0.04	0.03	0.04	1.34	0.02	1.34	8.71	25.65	0	
1988	6	6	0.04	0.03	3.13	0.03	0.03	0.04	1.34	0.02	1.34	8.73	25.66	0	
1988	7	1	0.08	0.07	2.01	0.04	0.03	0.12	1.34	0.02	1.34	8.84	25.72	0	
1988	7	2	0.06	0.05	1.37	0.06	0.03	0.07	1.34	0.02	1.34	8.9	25.77	0	
1988	7	3	0.03	0.03	0.91	0.03	0.03	0.03	1.34	0.02	1.34	8.48	25.51	0	
1988	7	4	0.04	0.04	1.08	0.04	0.03	0.05	1.08	0.02	1.08	8.25	25.36	0	
1988	7	5	0.04	0.03	0.93	0.02	0.03	0.04	1.34	0.02	1.34	7.85	25.11	0	
1988	7	6	0.04	0.04	1.15	0.04	0.04	0.05	1.15	0.02	1.15	7.41	24.79	0	
1988	8	1	0.05	0.04	1.03	0.01	0.03	0.06	1.34	0.02	1.34	7.14	24.56	0	
1988	8	2	0.05	0.05	1.89	0.01	0.03	0.07	1.34	0.02	1.34	7.19	24.6	0	
1988	8	3	0.06	0.05	1.5	0.02	0.03	0.08	1.34	0.02	1.34	7.25	24.65	0	
1988	8	4	0.05	0.05	1.39	0.02	0.03	0.07	1.34	0.02	1.34	7.5	24.69	0	
1988	8	5	0.05	0.04	1.48	0.01	0.03	0.06	1.34	0.02	1.34	7.34	24.72	0	
1988	8	6	0.05	0.05	1.16	0.03	0.04	0.06	1.16	0.02	1.16	6.92	24.37	0	
1988	9	1	0.04	0.04	0.87	0.03	0.03	0.05	1.34	0.02	1.34	6.47	24	0	
1988	9	2	0.04	0.03	1.15	0.03	0.03	0.04	1.34	0.02	1.34	6.29	23.86	0	
1988	9	3	0.04	0.03	1.5	0.03	0.03	0.04	1.34	0.02	1.34	6.32	23.88	0	
1988	9	4	0.04	0.03	1.32	0.03	0.03	0.04	1.34	0.02	1.34	6.32	23.88	0	
1988	9	5	0.04	0.03	1.29	0.03	0.03	0.04	1.29	0.02	1.29	6.29	23.88	0	
1988	9	6	0.04	0.03	1.25	0.04	0.03	0.04	1.25	0.02	1.25	6.22	23.79	0	
1988	10	1	0.04	0.03	1.43	0.03	0.03	0.04	1.34	0.02	1.34	6.24	23.81	0	
1988	10	2	0.04	0.03	1.15	0.03	0.03	0.04	1.34	0.02	1.34	6.07	23.68	0	
1988	10	3	0.22	0.2	1.13	0.17	0.03	0.39	1.34	0.02	1.13	6.23	23.8	0	
1988	10	4	0.14	0.13	2.01	0.09	0.03	0.23	1.34	0.02	1.34	6.44	23.98	0	
1988	10	5	0.07	0.06	2.27	0.03	0.03	0.09	1.34	0.02	1.34	6.52	24.04	0	
1988	10	6	0.19	0.17	2.58	0.13	0.04	0.31	1.61	0.02	1.61	6.81	24.29	0	
1988	11	1	0.28	0.25	3.59	0.24	0.01	0.52	1.34	0.02	1.34	7.31	24.7	0	
1988	11	2	0.09	0.08	4.3	0.07	0.01	0.16	1.34	0.02	1.34	7.44	24.81	0	
1988	11	3	0.07	0.06	5.93	0.05	0.01	0.12	1.34	0.02	1.34	7.54	24.89	0	
1988	11	4	0.05	0.04	5.45	0.04	0.04	0.05	1.34	0.02	1.34	7.57	24.91	0	
1988	11	5	0.05	0.05	7.94	0.01	0.04	0.06	1.34	0.02	1.34	7.61	24.95	0	
1988	11	6	0.05	0.04	13.43	0.04	0.04	0.05	1.34	0.02	1.34	7.63	24.97	0	
1988	12	1	0.05	0.05	14.52	0.01	0.03	0.06	1.34	0.02	1.34	7.68	25	0	
1988	12	2	0.05	0.05	9.43	0.01	0.03	0.07	1.34	0.02	1.34	7.72	25.03	0	
1988	12	3	0.38	0.34	13.49	0.31	0.03	0.69	1.34	0.02	1.34	8.39	25.45	0	
1988	12	4	0.09	0.08	25.36	0.05	0.03	0.14	1.34	0.02	1.34	8.51	25.52	0	
1988	12	5	0.04	0.04	12.37	0.05	0.03	0.04	1.34	0.02	1.34	8.59	25.54	0	
1988	12	6	0.05	0.04	7.41	0.04	0.04	0.05	1.61	0.02	1.61	8.55	25.55	0	
1989	1	1	0.04	0.04	4.47	0.04	0.04	0.04	1.34	0.02	1.34	8.57	25.56	0	
1989	1	2	0.04	0.04	3.43	0.04	0.04	0.04	1.34	0.02	1.34	8.59	25.57	0	
1989	1	3	0.05	0.05	2.82	0.05	0.05	0.05	1.34	0.02	1.34	8.62	25.59	0	
1989	1	4	0.06	0.06	3.68	0.05	0.12	0.12	1.34	0.02	1.34	8.72	25.65	0	
1989	1	5	0.12	0.11	3.9	0.11	0.22	0.22	1.34	0.02	1.34	8.92	25.78	0	
1989	1	6	0.08	0.07	3.81	0.07	0.15	0.15	1.61	0.03	1.61	9.04	25.86	0	
1989	2	1	0.22	0.2	4.25	0.17	0.03	0.38	1.34	0.02	1.34	9.41	26.08	0	
1989	2	2	0.22	0.2	15.86	0.16	0.03	0.38	1.34	0.02	1.34	9.77	26.31	0	
1989	2	3	0.09	0.08	10.41	0.05	0.03	0.14	1.34	0.02	1.34	9.89	26.39	0	
1989	2	4	0.27	0.24	32.32	0.21	0.03	0.48	1.34	0.02	1.34	10.35	26.67	0	
1989	2	5	0.75	0.69	13.32	0.65	0.03	1.41	1.34	0.02	1.34	11.74	27.54	0	
1989	2	6	0.39	0.33	21.43	0.33	0.02	0.72	0.81	0.01	0.81	12.44	27.98	0	

Table F.36 (12) Reservoir Operation Study for Heightening of Krenceng Dam with Beroeng Diversion Tunnel (12/12)

Net supply yield: 3.11 m³/sec
 Water conveyance capacity: 3.11 m³/sec
 of pipe line

(Unit: 10⁶ m³)

Year	Month	Serial No. of 5 day period	Inflow discharge		Cidaran intake	Outflow at Beroeng intake Diversion tunnel	In-flow Krenceng + Beroeng diversion		Supply yield	Evapo	Water conveyance from Cida	Krenceng Storage volume	Reservoir Water level (El-m)	Spillout
			Krenceng	Beroeng intake			Down-stream	Beroeng diversion						
1989	3	1	0.35	0.31	24.82	0.29	0.02	0.64	1.34	0.02	1.34	13.06	28.37	0
1989	3	2	0.3	0.27	17.14	0.25	0.02	0.54	1.34	0.02	1.34	13.58	28.69	0
1989	3	3	0.22	0.2	9.43	0.18	0.02	0.4	1.34	0.02	1.34	13.96	28.93	0
1989	3	4	0.1	0.09	8.1	0.07	0.02	0.17	1.34	0.02	1.3	14.07	29	0
1989	3	5	0.04	0.03	4.66	0.01	0.02	0.05	1.34	0.02	1.32	14.07	29	0
1989	3	6	0.05	0.05	3.91	0.02	0.02	0.07	1.61	0.03	1.57	14.07	29	0
1989	4	1	0.04	0.03	3.38	0	0.03	0.04	1.34	0.02	1.33	14.07	29	0
1989	4	2	0.05	0.04	3.38	0.01	0.03	0.05	1.34	0.02	1.31	14.07	29	0
1989	4	3	0.04	0.04	3.38	0.01	0.03	0.05	1.34	0.02	1.32	14.07	29	0
1989	4	4	0.02	0.01	3.38	0	0.01	0.02	1.34	0.02	1.34	14.07	29	0
1989	4	5	0.01	0.01	3.38	0	0.01	0.01	1.34	0.02	1.34	14.06	28.99	0
1989	4	6	0.01	0.01	3.38	0	0.01	0.01	1.34	0.02	1.34	14.05	28.99	0
1989	5	1	0.02	0.02	3.38	0	0.02	0.02	1.34	0.02	1.34	14.05	28.98	0
1989	5	2	0.02	0.01	3.38	0	0.01	0.01	1.34	0.02	1.34	14.05	28.98	0
1989	5	3	0.01	0.01	3.38	0	0.01	0.01	1.34	0.02	1.34	14.03	28.98	0
1989	5	4	0.01	0.01	3.38	0	0.01	0.01	1.34	0.02	1.34	14.02	28.97	0
1989	5	5	0.02	0.02	3.38	0	0.02	0.02	1.34	0.02	1.34	14.02	28.97	0
1989	5	6	0.02	0.02	4.06	0	0.02	0.02	1.61	0.05	1.61	14.02	28.96	0
1989	6	1	0.02	0.02	3.3	0	0.02	0.02	1.34	0.02	1.34	14.01	28.96	0
1989	6	2	0.07	0.06	4.81	0.03	0.03	0.1	1.34	0.02	1.34	14.07	29	0
1989	6	3	0.09	0.08	4.02	0.05	0.03	0.14	1.34	0.02	1.34	14.07	29	0
1989	6	4	0.08	0.07	2.74	0.04	0.03	0.11	1.34	0.02	1.25	14.07	29	0
1989	6	5	0.08	0.07	1.62	0.04	0.03	0.12	1.34	0.02	1.25	14.07	29	0
1989	6	6	0.08	0.07	1.4	0.04	0.03	0.11	1.34	0.02	1.25	14.07	29	0
1989	7	1	0.06	0.05	1.37	0.02	0.02	0.07	1.34	0.02	1.29	14.07	29	0
1989	7	2	0.06	0.05	2.71	0.02	0.03	0.08	1.34	0.02	1.29	14.07	29	0
1989	7	3	0.06	0.05	4.54	0.02	0.03	0.08	1.34	0.02	1.28	14.07	29	0
1989	7	4	0.06	0.05	5.32	0.02	0.03	0.08	1.34	0.02	1.29	14.07	29	0
1989	7	5	0.05	0.05	3.77	0.01	0.03	0.07	1.34	0.02	1.3	14.07	29	0
1989	7	6	0.08	0.07	2.3	0.03	0.04	0.11	1.61	0.03	1.55	14.07	29	0
1989	7	7	0.06	0.06	1.15	0.02	0.02	0.09	1.34	0.03	1.34	13.94	28.92	0
1989	8	1	0.08	0.07	0.77	0.04	0.03	0.12	1.34	0.03	0.77	13.46	28.62	0
1989	8	2	0.06	0.05	0.98	0.02	0.03	0.08	1.34	0.03	0.98	13.15	28.42	0
1989	8	3	0.06	0.05	0.62	0.02	0.03	0.09	1.34	0.03	0.62	12.49	28.01	0
1989	8	4	0.05	0.05	0.7	0.02	0.03	0.07	1.34	0.03	0.7	11.9	27.64	0
1989	8	5	0.15	0.13	1.27	0.1	0.04	0.24	1.61	0.03	1.27	11.77	27.56	0
1989	9	1	0.05	0.05	1.68	0.02	0.03	0.07	1.34	0.02	1.54	11.82	27.59	0
1989	9	2	0.07	0.06	1.03	0.03	0.03	0.1	1.34	0.02	1.03	11.58	27.44	0
1989	9	3	0.05	0.05	1.88	0.01	0.03	0.06	1.34	0.02	1.03	11.62	27.47	0
1989	9	4	0.04	0.04	2.36	0	0.03	0.04	1.34	0.02	1.34	11.64	27.48	0
1989	9	5	0.04	0.03	1.53	0	0.03	0.04	1.34	0.02	1.34	11.66	27.49	0
1989	9	6	0.04	0.04	0.83	0	0.03	0.04	1.34	0.02	0.83	11.17	27.19	0
1989	10	1	0.04	0.03	1.37	0	0.03	0.04	1.34	0.02	1.34	11.19	27.2	0
1989	10	2	0.04	0.03	1.15	0	0.03	0.04	1.34	0.02	1.15	11.01	27.09	0
1989	10	3	0.04	0.03	0.94	0	0.03	0.04	1.34	0.02	0.94	10.63	26.85	0
1989	10	4	0.04	0.03	0.81	0	0.03	0.04	1.34	0.02	0.81	10.12	26.53	0
1989	10	5	0.04	0.04	0.87	0	0.03	0.04	1.34	0.02	0.87	9.66	26.24	0
1989	10	6	0.05	0.04	2.43	0	0.04	0.05	1.61	0.03	1.61	9.66	26.26	0
1989	11	1	0.04	0.03	1.68	0.02	0.01	0.06	1.34	0.02	1.34	9.72	26.28	0
1989	11	2	0.04	0.03	1.44	0.02	0.01	0.06	1.34	0.02	1.34	9.75	26.32	0
1989	11	3	0.04	0.03	2.22	0.02	0.02	0.06	1.34	0.02	1.34	9.79	26.32	0
1989	11	4	0.04	0.04	2.09	0	0.04	0.04	1.34	0.02	1.34	9.8	26.33	0
1989	11	5	0.04	0.03	2.31	0	0.03	0.04	1.34	0.02	1.34	9.82	26.34	0
1989	11	6	0.04	0.04	1.75	0	0.04	0.04	1.34	0.02	1.34	9.83	26.35	0
1989	12	1	0.04	0.04	2.28	0.01	0.02	0.05	1.34	0.02	1.34	9.86	26.37	0
1989	12	2	0.08	0.07	2.81	0.05	0.02	0.12	1.34	0.02	1.34	9.96	26.43	0
1989	12	3	0.49	0.45	4.08	0.42	0.02	0.48	1.34	0.02	1.34	10.86	26.99	0
1989	12	4	0.16	0.15	4.58	0.11	0.04	0.27	1.34	0.02	1.34	11.11	27.15	0
1989	12	5	0.07	0.07	4.28	0.03	0.04	0.1	1.34	0.02	1.34	11.18	27.19	0
1989	12	6	0.24	0.22	5.2	0.17	0.05	0.42	1.61	0.03	1.61	11.57	27.43	0

Table F-37 (1) Reservoir Operation Study for Heightening of Krenceng Dam with Beroeng Diversion Tunnel and Cidanau Gated Weir (1/12)

Net supply yield
Krenceng reservoir: 3.11 m³/sec
Cidanau gated weir: 0.325 m³/sec
Water conveyance capacity: 3.655 m³/sec
of pipe line

6
(Unit: 10, m³)

Year	Month	Serial No. of 5 day period	Inflow discharge			Outflow at Beroeng intake	Inflow at Cidanau Gated Weir		Krenceng Reservoir		Spillout
			Krenceng	Beroeng	Cidanau	Down stream	Water conveyance from Cida	Evapo	Water Storage	Water level (Elm.)	Spillout (Elm.)
1980	1	1	0.12	0.11	3.9	0.1	1.15	0.03	14.07	29	0
1980	1	2	0.2	0.18	3.98	0	1	0.34	14.07	29	0
1980	1	3	0.29	0.27	4.05	0.26	0.82	0.03	14.07	29	0
1980	1	4	0.29	0.26	3.92	0.26	0.82	0.03	14.07	29	0
1980	1	5	0.29	0.26	3.9	0.26	0.82	0.03	14.07	29	0
1980	1	6	0.39	0.26	3.56	0.36	0.9	0.03	14.07	29	0
1980	2	1	0.19	0.17	3.5	0.14	1.04	0.02	14.07	29	0
1980	2	2	0.48	0.44	5.06	0.4	0.48	0.02	14.07	29	0
1980	2	3	0.49	0.45	5.01	0.41	0.46	0.02	14.07	29	0
1980	2	4	0.78	0.71	5.06	0.68	0	0.02	14.07	29	0.09
1980	2	5	0.46	0.42	5.09	0.39	0.52	0.02	14.07	29	0
1980	2	6	0.19	0.17	5.06	0.14	0.77	0.02	14.07	29	0
1980	3	1	0.15	0.13	4.53	0.1	1.12	0.02	14.07	29	0
1980	3	2	0.23	0.21	3.44	0.18	0.96	0.02	14.07	29	0
1980	3	3	0.15	0.14	3.44	0.11	1.1	0.02	14.07	29	0
1980	3	4	0.16	0.15	9.57	0.13	1.07	0.02	14.07	29	0
1980	3	5	0.07	0.06	2.29	0.05	1.23	0.02	14.07	29	0
1980	3	6	0.11	0.1	1.74	0.09	1.44	0.02	14.07	29	0
1980	4	1	0.06	0.05	2.23	0.04	1.26	0.02	14.07	29	0
1980	4	2	0.07	0.06	1.77	0.05	1.25	0.02	14.07	29	0
1980	4	3	0.28	0.26	6.5	0.24	0.84	0.02	14.07	29	0
1980	4	4	0.1	0.09	4.84	0.08	1.18	0.02	14.07	29	0
1980	4	5	0.17	0.15	3.27	0.15	1.05	0.02	14.07	29	0
1980	4	6	0.11	0.1	1.99	0.09	1.17	0.02	14.07	29	0
1980	5	1	0.11	0.1	0.82	0.07	0.82	0.02	14.07	29	0
1980	5	2	0.09	0.09	0.18	0.05	0.18	0.02	14.07	29	0
1980	5	3	0.11	0.1	0.88	0.05	0.18	0.02	14.07	29	0
1980	5	4	0.11	0.1	0.88	0.05	0.88	0.02	14.07	29	0
1980	5	5	0.11	0.1	1.91	0.06	1.34	0.02	14.07	29	0
1980	5	6	0.07	0.07	5.36	0.03	1.34	0.02	14.07	29	0
1980	5	7	0.06	0.06	4.99	0.02	1.61	0.02	14.07	29	0
1980	6	1	0.11	0.1	3.84	0.07	1.34	0.02	14.07	29	0
1980	6	2	0.06	0.05	4.39	0.02	1.34	0.02	14.07	29	0
1980	6	3	0.08	0.07	1.89	0.04	1.34	0.02	14.07	29	0
1980	6	4	0.05	0.04	3.17	0.01	1.34	0.02	14.07	29	0
1980	6	5	0.06	0.05	3.77	0.02	1.34	0.02	14.07	29	0
1980	6	6	0.05	0.05	2.37	0.01	1.34	0.02	14.07	29	0
1980	6	7	0.04	0.04	1.63	0	1.34	0.02	14.07	29	0
1980	7	1	0.04	0.04	2.82	0	1.34	0.02	14.07	29	0
1980	7	2	0.04	0.04	2.81	0.01	1.34	0.02	14.07	29	0
1980	7	3	0.04	0.04	4.75	0.02	1.34	0.02	14.07	29	0
1980	7	4	0.05	0.05	4.75	0.02	1.34	0.02	14.07	29	0
1980	7	5	0.05	0.04	2.64	0.01	1.34	0.02	14.07	29	0
1980	7	6	0.06	0.06	2.74	0.02	1.61	0.03	14.07	29	0
1980	8	1	0.12	0.11	2.19	0.08	1.34	0.03	14.07	29	0
1980	8	2	0.19	0.17	4.48	0.14	1.34	0.03	14.07	29	0
1980	8	3	0.28	0.26	6.84	0.23	1.34	0.03	14.07	29	0
1980	8	4	0.38	0.34	12.84	0.31	0.69	0.03	14.07	29	0
1980	8	5	0.05	0.05	5.29	0.01	1.34	0.03	14.07	29	0
1980	8	6	0.05	0.04	2.12	0.01	1.59	0.03	14.07	29	0
1980	8	7	0.23	0.21	2.64	0.18	1.34	0.03	14.07	29	0
1980	8	8	0.2	0.18	27.03	0.15	0.86	0.03	14.07	29	0
1980	8	9	0.32	0.29	28.73	0.26	0.38	0.03	14.07	29	0
1980	9	1	0.11	0.1	12.39	0.07	1.34	0.03	14.07	29	0
1980	9	2	0.08	0.07	2.48	0.04	1.25	0.03	14.07	29	0
1980	9	3	0.14	0.13	1.63	0.1	1.13	0.03	14.07	29	0
1980	9	4	0.11	0.11	0.86	0.07	0.86	0.03	14.07	29	0
1980	10	1	0.11	0.1	0.63	0.08	0.63	0.03	14.07	29	0
1980	10	2	0.12	0.11	0.63	0.08	0.63	0.03	14.07	29	0
1980	10	3	0.12	0.11	2.54	0.08	1.34	0.03	14.07	29	0
1980	10	4	0.08	0.07	6.13	0.04	1.34	0.03	14.07	29	0
1980	10	5	0.12	0.11	6.87	0.08	1.34	0.03	14.07	29	0
1980	10	6	0.11	0.11	9.88	0.07	1.61	0.03	14.07	29	0

Table F-37 (6) Reservoir Operation Study for Righting of Krenceng Dam with Beroeng Diversion Tunnel and Cidanau Gated Weir (6/12)

Net supply yield
Krenceng reservoir: 3.11 m³/sec
Cidanau gated weir: 0.325 m³/sec
Water conveyance capacity: 3.435 m³/sec
of pipe line

(Unit: 10 m³)

Year	Month	Serial No. of 5 day period	Inflow discharge			Outflow at Beroeng intake		Inflow - Krenceng intake + Beroeng diversion		Evapo	Water conveyance from Cida	Krenceng Reservoir		Spillout		Cidanau Gated Reservoir		Spillout
			Krenceng intake	Beroeng intake	Cidanau intake	Down stream	Diversion tunnel	Diversion	Stream			Water	Storage volume	Water level (El-m)	Evapo	Storage volume	Water level (El-m)	
1984	3	1	0.38	0.34	5.87	0.31	0.03	0.68	0.02	0.03	14.07	29	0	3.47	21.2	5.05		
1984	3	2	1.01	0.92	10.68	0.89	0.03	1.9	0.02	0.02	14.07	29	0	3.47	21.2	10.54		
1984	3	3	1.41	1.29	12.95	1.25	0.03	2.67	0.02	0.02	14.07	29	0	3.47	21.2	12.81		
1984	3	4	0.92	0.84	10.75	0.81	0.03	1.73	0.02	0.02	14.07	29	0	3.47	21.2	10.6		
1984	3	5	1.78	1.62	19.09	1.58	0.03	3.36	0.02	0.02	14.07	29	0	3.47	21.2	18.95		
1984	3	6	2.02	1.84	26.41	1.8	0.04	3.82	0.03	0.03	14.07	29	0	3.47	21.2	26.24		
1984	4	1	0.18	0.16	11.88	0.14	0.02	0.32	0.02	0.02	14.07	29	0	3.47	21.2	10.69		
1984	4	2	0.24	0.22	2.86	0.2	0.02	0.44	0.02	0.02	14.07	29	0	3.47	21.2	1.79		
1984	4	3	0.16	0.15	3.85	0.15	0.02	0.29	0.02	0.02	14.07	29	0	3.47	21.2	2.61		
1984	4	4	0.24	0.22	3.37	0.21	0.02	0.45	0.02	0.02	14.07	29	0	3.47	21.2	2.3		
1984	4	5	0.18	0.17	4.38	0.15	0.02	0.33	0.02	0.02	14.07	29	0	3.47	21.2	2.3		
1984	4	6	0.46	0.42	6.49	0.4	0.02	0.86	0.02	0.02	14.07	29	0	3.47	21.2	5.83		
1984	5	1	0.5	0.46	5.85	0.42	0.03	0.93	0.02	0.02	14.07	29	0	3.47	21.2	5.83		
1984	5	2	0.42	0.39	10.68	0.35	0.03	0.78	0.02	0.02	14.07	29	0	3.47	21.2	5.27		
1984	5	3	0.22	0.2	15.63	0.17	0.03	0.4	0.02	0.02	14.07	29	0	3.47	21.2	9.95		
1984	5	4	0.15	0.14	5.8	0.11	0.03	0.26	0.02	0.02	14.07	29	0	3.47	21.2	14.51		
1984	5	5	0.24	0.22	3.97	0.18	0.03	0.42	0.02	0.02	14.07	29	0	3.47	21.2	2.88		
1984	5	6	0.22	0.2	12.63	0.16	0.04	0.38	0.02	0.02	14.07	29	0	3.47	21.2	2.88		
1984	6	1	0.2	0.18	6.23	0.15	0.03	0.35	0.02	0.02	14.07	29	0	3.47	21.2	11.21		
1984	6	2	0.17	0.15	3.47	0.12	0.03	0.28	0.02	0.02	14.07	29	0	3.47	21.2	5.07		
1984	6	3	0.21	0.19	3.13	0.16	0.03	0.38	0.02	0.02	14.07	29	0	3.47	21.2	2.25		
1984	6	4	0.21	0.19	2.61	0.16	0.03	0.36	0.02	0.02	14.07	29	0	3.47	21.2	2		
1984	6	5	0.14	0.13	3.12	0.1	0.03	0.24	0.02	0.02	14.07	29	0	3.47	21.2	1.47		
1984	6	6	0.1	0.09	1.39	0.06	0.03	0.16	0.02	0.02	14.07	29	0	3.47	21.2	1.85		
1984	7	1	0.24	0.22	2.29	0.19	0.03	0.43	0.02	0.02	14.07	29	0	3.47	21.2	0.04		
1984	7	2	0.17	0.15	4.9	0.12	0.03	0.29	0.02	0.02	14.07	29	0	3.47	21.2	1.21		
1984	7	3	0.09	0.08	3.29	0.05	0.03	0.14	0.02	0.02	14.07	29	0	3.47	21.2	3.67		
1984	7	4	0.08	0.08	2.15	0.04	0.03	0.13	0.02	0.02	14.07	29	0	3.47	21.2	1.92		
1984	7	5	0.16	0.15	2.76	0.12	0.03	0.28	0.02	0.02	14.07	29	0	3.47	21.2	0.77		
1984	7	6	0.18	0.16	3.74	0.12	0.04	0.3	0.02	0.02	14.07	29	0	3.47	21.2	1.53		
1984	8	1	0.09	0.08	2.5	0.05	0.03	0.14	0.02	0.02	14.07	29	0	3.47	21.2	2.22		
1984	8	2	0.07	0.06	1.93	0.03	0.03	0.11	0.02	0.02	14.07	29	0	3.47	21.2	1.12		
1984	8	3	0.15	0.14	1.48	0.11	0.03	0.26	0.02	0.02	14.07	29	0	3.47	21.2	0.51		
1984	8	4	0.09	0.09	1.51	0.05	0.03	0.15	0.02	0.02	14.07	29	0	3.47	21.2	0.22		
1984	8	5	0.08	0.08	1.4	0.04	0.03	0.13	0.02	0.02	14.07	29	0	3.47	21.2	0.14		
1984	8	6	0.19	0.17	2.17	0.15	0.04	0.32	0.02	0.02	14.07	29	0	3.47	21.2	0.01		
1984	8	7	0.11	0.11	1.67	0.07	0.03	0.18	0.02	0.02	14.07	29	0	3.47	21.2	0.67		
1984	9	1	0.39	0.37	4.99	0.32	0.03	0.71	0.02	0.02	14.07	29	0	3.47	21.2	0.34		
1984	9	2	0.4	0.37	6.26	0.33	0.03	0.74	0.02	0.02	14.07	29	0	3.47	21.2	4.19		
1984	9	3	0.27	0.25	5.04	0.22	0.03	0.49	0.02	0.02	14.07	29	0	3.47	21.2	5.48		
1984	9	4	0.18	0.17	4.38	0.13	0.03	0.32	0.02	0.02	14.07	29	0	3.47	21.2	4.01		
1984	9	5	0.42	0.38	3.48	0.35	0.03	0.77	0.02	0.02	14.07	29	0	3.47	21.2	3.18		
1984	10	1	0.48	0.43	10.4	0.4	0.03	0.88	0.02	0.02	14.07	29	0	3.47	21.2	2.73		
1984	10	2	0.13	0.12	4.41	0.09	0.03	0.22	0.02	0.02	14.07	29	0	3.47	21.2	9.76		
1984	10	3	0.22	0.2	2.02	0.17	0.03	0.4	0.02	0.02	14.07	29	0	3.47	21.2	3.11		
1984	10	4	0.18	0.16	2.39	0.13	0.03	0.31	0.02	0.02	14.07	29	0	3.47	21.2	0.9		
1984	10	5	0.22	0.2	2.31	0.16	0.03	0.38	0.02	0.02	14.07	29	0	3.47	21.2	1.19		
1984	10	6	0.13	0.12	3.38	0.08	0.04	0.22	0.02	0.02	14.07	29	0	3.47	21.2	1.18		
1984	11	1	0.15	0.13	1.61	0.12	0.02	0.26	0.02	0.02	14.07	29	0	3.47	21.2	1.78		
1984	11	2	0.08	0.08	2.76	0.06	0.02	0.14	0.02	0.02	14.07	29	0	3.47	21.2	0.35		
1984	11	3	0.08	0.07	4.87	0.06	0.02	0.14	0.02	0.02	14.07	29	0	3.47	21.2	1.38		
1984	11	4	0.19	0.17	4.94	0.11	0.06	0.3	0.02	0.02	14.07	29	0	3.47	21.2	3.5		
1984	11	5	0.14	0.13	3.57	0.07	0.06	0.22	0.02	0.02	14.07	29	0	3.47	21.2	3.72		
1984	11	6	0.08	0.07	3.76	0.01	0.06	0.09	0.02	0.02	14.07	29	0	3.47	21.2	2.26		
1984	12	1	0.1	0.1	19.97	0.03	0.06	0.14	0.02	0.02	14.07	29	0	3.47	21.2	2.33		
1984	12	2	0.09	0.08	19.21	0.02	0.06	0.1	0.02	0.02	14.07	29	0	3.47	21.2	18.6		
1984	12	3	0.15	0.13	7.94	0.07	0.06	0.22	0.02	0.02	14.07	29	0	3.47	21.2	17.8		
1984	12	4	0.12	0.11	7.01	0.05	0.04	0.19	0.02	0.02	14.07	29	0	3.47	21.2	6.64		
1984	12	5	0.1	0.09	3.33	0.07	0.04	0.15	0.02	0.02	14.07	29	0	3.47	21.2	5.88		
1984	12	6	0.39	0.35	17.34	0.3	0.05	0.69	0.02	0.02	14.07	29	0	3.47	21.2	1.96		
1984																16.21		

Table F-37 (9) Reservoir Operation Study for Heightening of Krenceng Dam with Beroeng Diversion Tunnel and Cidanau Gated Weir (9/12)

Net supply yield
Krenceng reservoir: 3.11 m³/sec
Cidanau gated weir: 0.525 m³/sec
Water conveyance capacity: 3.435 m³/sec

(Unit: 10 m³)

Year	Month	Serial No. of 5 day period	Inflow discharge		Outflow at Beroeng intake		Inflow at Cidanau intake + Beroeng diversion		Evapo	Water conveyance from Cids	Krenceng Reservoir		Cidanau Gated Reservoir					
			Krenceng intake	Beroeng intake	Cidanau intake	Down stream	Diversion	Inflow Krenceng			Reservoir Water level (El-m)	Spillout	Water level (El-m)	Storage volume	Evapo	Supply yield	Spillout	Water level (El-m)
1986	9	1	0.06	0.06	0.81	0.02	0.03	0.09	1.34	0.03	13.2	28.46	0	20.09	0	3	20.09	0
1986	9	2	0.14	0.13	1.34	0.1	0.03	0.24	1.34	0.02	13.41	28.58	0	19.65	0	2.86	19.65	0
1986	9	3	0.14	0.13	2.58	0.09	0.03	0.23	1.34	0.02	13.41	28.71	0	21.2	0	3.47	21.2	0.48
1986	9	4	0.07	0.07	2.87	0.03	0.03	0.1	1.34	0.03	13.61	28.76	0	21.2	0	3.47	21.2	1.38
1986	9	5	0.05	0.05	2.95	0.02	0.03	0.07	1.34	0.03	13.74	28.79	0	21.2	0	3.47	21.2	1.46
1986	9	6	0.06	0.05	4.01	0.02	0.03	0.08	1.34	0.03	13.8	28.83	0	21.2	0	3.47	21.2	2.52
1986	10	1	0.18	0.16	3.4	0.13	0.03	0.31	1.34	0.03	14.07	29	0	1.92	0	3.47	1.92	2.52
1986	10	2	0.13	0.12	2.28	0.08	0.03	0.21	1.34	0.03	14.07	29	0	2.12	0	3.47	2.12	0.97
1986	10	3	0.07	0.06	3.81	0.03	0.03	0.1	1.34	0.03	14.07	29	0	2.39	0	3.47	2.39	2.39
1986	10	4	0.06	0.06	4.15	0.02	0.03	0.09	1.34	0.03	14.07	29	0	2.72	0	3.47	2.72	2.72
1986	10	5	0.04	0.04	2.63	0.01	0.03	0.05	1.34	0.03	14.07	29	0	2.16	0	3.47	2.16	1.16
1986	10	6	0.3	0.28	8.24	0.24	0.04	0.54	1.61	0.03	14.07	29	0	7.84	0	3.47	7.84	6.96
1986	11	1	0.1	0.09	9.17	0.08	0.01	0.19	1.34	0.03	14.07	29	0	7.99	0	3.47	7.99	7.84
1986	11	2	0.2	0.18	14.22	0.17	0.01	0.37	1.34	0.03	14.07	29	0	13.07	0	3.47	13.07	13.07
1986	11	3	0.17	0.15	23.09	0.14	0.01	0.31	1.34	0.03	14.07	29	0	21.88	0	3.47	21.88	21.88
1986	11	4	0.25	0.22	9.96	0.21	0.02	0.46	1.34	0.03	14.07	29	0	8.9	0	3.47	8.9	8.9
1986	11	5	0.1	0.09	4.08	0.08	0.02	0.18	1.34	0.03	14.07	29	0	2.75	0	3.47	2.75	2.75
1986	11	6	0.19	0.17	5.29	0.15	0.02	0.34	1.34	0.03	14.07	29	0	4.11	0	3.47	4.11	4.11
1986	12	1	0.06	0.05	5.16	0.02	0.04	0.08	1.34	0.03	14.07	29	0	3.72	0	3.47	3.72	3.72
1986	12	2	0.05	0.04	2.02	0.01	0.04	0.05	1.34	0.03	14.07	29	0	3.55	0	3.47	3.55	3.55
1986	12	3	0.22	0.2	6.15	0.17	0.04	0.39	1.34	0.03	14.07	29	0	5.02	0	3.47	5.02	5.02
1986	12	4	0.28	0.26	9.62	0.21	0.05	0.49	1.34	0.03	14.07	29	0	8.59	0	3.47	8.59	8.59
1986	12	5	0.06	0.06	5.17	0.01	0.05	0.07	1.34	0.03	14.07	29	0	3.72	0	3.47	3.72	3.72
1986	12	6	0.11	0.11	3.79	0.04	0.06	0.15	1.34	0.03	14.07	29	0	3.15	0	3.47	3.15	3.15
1987	1	1	0.16	0.15	4.97	0.11	0.03	0.27	1.34	0.03	14.07	29	0	3.73	0	3.47	3.73	3.73
1987	1	2	0.61	0.56	19.07	0.52	0.03	1.14	1.34	0.03	14.07	29	0	6.44	0	3.47	6.44	6.44
1987	1	3	0.49	0.45	26.46	0.41	0.03	0.9	1.34	0.03	14.07	29	0	11.36	0	3.47	11.36	11.36
1987	1	4	0.18	0.16	14.77	0.16	0	0.33	1.34	0.03	14.07	29	0	25.84	0	3.47	25.84	25.84
1987	1	5	0.23	0.21	9.09	0.2	0	0.43	1.34	0.03	14.07	29	0	15.58	0	3.47	15.58	15.58
1987	2	1	0.29	0.27	10.66	0.26	0	0.56	1.61	0.03	14.07	29	0	8	0	3.47	8	8
1987	2	2	0.14	0.12	7.7	0.11	0.02	0.25	1.34	0.02	14.07	29	0	9.39	0	3.47	9.39	9.39
1987	2	3	0.38	0.34	12.17	0.33	0.02	0.7	1.34	0.02	14.07	29	0	6.44	0	3.47	6.44	6.44
1987	2	4	0.15	0.14	11	0.12	0.02	0.27	1.34	0.02	14.07	29	0	11.4	0	3.47	11.4	11.4
1987	2	5	0.18	0.18	8.8	0.15	0.03	0.27	1.34	0.02	14.07	29	0	9.76	0	3.47	9.76	9.76
1987	2	6	0.13	0.12	18.57	0.09	0.03	0.22	1.34	0.02	14.07	29	0	7.63	0	3.47	7.63	7.63
1987	2	7	0.46	0.42	11.49	0.4	0.02	0.86	1.34	0.02	14.07	29	0.04	17.28	0	3.47	17.28	17.28
1987	3	1	0.25	0.23	15.71	0.22	0.01	0.47	1.34	0.02	14.07	29	0	14.67	0	3.47	14.67	14.67
1987	3	2	0.14	0.14	13.69	0.11	0.01	0.26	1.34	0.02	14.07	29	0	14.44	0	3.47	14.44	14.44
1987	3	3	0.11	0.11	8.44	0.08	0.01	0.19	1.34	0.02	14.07	29	0	7.13	0	3.47	7.13	7.13
1987	3	4	0.09	0.09	3.67	0.07	0.02	0.16	1.34	0.02	14.07	29	0	2.32	0	3.47	2.32	2.32
1987	3	5	0.13	0.12	4.52	0.1	0.02	0.22	1.34	0.02	14.07	29	0	3.24	0	3.47	3.24	3.24
1987	3	6	0.16	0.15	5.62	0.12	0.02	0.29	1.61	0.03	14.07	29	0	4.1	0	3.47	4.1	4.1
1987	4	1	0.12	0.11	5.03	0.09	0.02	0.22	1.34	0.02	14.07	29	0	3.88	0	3.47	3.88	3.88
1987	4	2	0.1	0.09	6.52	0.07	0.02	0.17	1.34	0.02	14.07	29	0	5.18	0	3.47	5.18	5.18
1987	4	3	0.1	0.09	6.98	0.08	0.02	0.18	1.34	0.02	14.07	29	0	5.63	0	3.47	5.63	5.63
1987	4	4	0.1	0.09	6.76	0.08	0.01	0.18	1.34	0.02	14.07	29	0	5.42	0	3.47	5.42	5.42
1987	4	5	0.09	0.08	2.98	0.07	0.01	0.16	1.34	0.02	14.07	29	0	1.63	0	3.47	1.63	1.63
1987	4	6	0.31	0.28	4.85	0.27	0.01	0.58	1.34	0.02	14.07	29	0	3.92	0	3.47	3.92	3.92
1987	5	1	0.2	0.18	9.74	0.15	0.03	0.34	1.34	0.02	14.07	29	0	8.38	0	3.47	8.38	8.38
1987	5	2	0.26	0.24	7.51	0.21	0.03	0.37	1.34	0.02	14.07	29	0	6.47	0	3.47	6.47	6.47
1987	5	3	0.19	0.17	8.58	0.14	0.03	0.33	1.34	0.02	14.07	29	0	7.4	0	3.47	7.4	7.4
1987	5	4	0.15	0.14	7.27	0.1	0.03	0.25	1.34	0.02	14.07	29	0	6.01	0	3.47	6.01	6.01
1987	5	5	0.07	0.07	3.78	0.04	0.03	0.11	1.34	0.02	14.07	29	0	2.38	0	3.47	2.38	2.38
1987	5	6	0.09	0.08	4.14	0.04	0.04	0.13	1.61	0.03	14.07	29	0.01	2.46	0	3.47	2.46	2.46
1987	6	1	0.09	0.08	2.98	0.05	0.03	0.13	1.34	0.02	14.07	29	0	1.61	0	3.47	1.61	1.61
1987	6	2	0.1	0.09	3.03	0.06	0.03	0.16	1.34	0.02	14.07	29	0	1.68	0	3.47	1.68	1.68
1987	6	3	0.13	0.12	3.3	0.09	0.03	0.22	1.34	0.02	14.07	29	0	2.01	0	3.47	2.01	2.01
1987	6	4	0.08	0.07	3.28	0.04	0.03	0.12	1.34	0.02	14.07	29	0	1.89	0	3.47	1.89	1.89
1987	6	5	0.08	0.07	2.98	0.04	0.03	0.12	1.34	0.02	14.07	29	0	1.59	0	3.47	1.59	1.59
1987	6	6	0.07	0.06	2.63	0.03	0.03	0.1	1.34	0.02	14.07	29	0	1.22	0	3.47	1.22	1.22

Table F.37 (10) Reservoir Operation Study for Heightening of Krenceng Dam with Beroeng Diversion Tunnel and Cidanau Gated Weir (10/12)

Net supply yield
Krenceng reservoir: 3.11 m³/sec
Cidanau gated weir: 0.325 m³/sec
Water conveyance capacity: 3.435 m³/sec
of pipe line

(Unit: 10 m³)

Year	Month	Serial No. of 5 day period	Inflow discharge			Outflow at Beroeng intake		Inflow at Beroeng + Cidanau diversion		Evapo	Water conveyance from Cidanau	Krenceng Reservoir Water level (El-m)	Spillout	Cidanau Gated Reservoir					
			Krenceng intake	Beroeng intake	Cidanau intake	Diversion	Down stream	Krenceng	Beroeng					Storage volume	Evapo	Supply yield	Spillout	Storage volume	Water level
1987	7	1	0.06	0.06	2.33	0.02	0.03	0.08	0.02	1.28	14.07	29	0	1.03	0	3.47	21.2	0.9	
1987	7	2	0.05	0.05	1.78	0.01	0.03	0.06	0.02	1.5	14.07	29	0	0.48	0	3.47	21.2	0.34	
1987	7	3	0.04	0.04	1.43	0.01	0.03	0.05	0.02	1.32	14.07	29	0	0.12	0	3.44	21.13	0	
1987	7	4	0.04	0.04	1.06	0.01	0.03	0.05	0.02	1.06	13.82	28.84	0	0	0	3.29	20.79	0	
1987	7	5	0.05	0.04	1.11	0.01	0.03	0.05	0.02	1.11	13.61	28.71	0	0	0	3.15	20.44	0	
1987	7	6	0.05	0.05	1.64	0.01	0.04	0.06	0.03	1.61	13.64	28.73	0	0.03	0.01	3.01	20.1	0	
1987	8	1	0.04	0.04	1.26	0.01	0.03	0.05	0.03	1.26	13.59	28.7	0	0	0.01	2.86	19.67	0	
1987	8	2	0.04	0.04	0.93	0	0.03	0.04	0.03	0.93	13.18	28.44	0	0	0.01	2.71	19.21	0	
1987	8	3	0.04	0.04	1.02	0	0.03	0.04	0.03	1.02	12.87	28.25	0	0	0.01	2.57	18.74	0	
1987	8	4	0.04	0.03	0.79	0	0.03	0.04	0.03	0.79	12.33	27.91	0	0	0	2.42	18.28	0	
1987	8	5	0.04	0.03	0.66	0	0.03	0.04	0.03	0.66	11.66	27.49	0	0	0	2.28	17.81	0	
1987	8	6	0.05	0.04	0.66	0	0.04	0.05	0.03	0.66	10.73	26.91	0	0	0.01	2.1	17.2	0	
1987	9	1	0.04	0.04	0.53	0	0.03	0.04	0.03	0.53	9.93	26.41	0	0	0	1.96	16.64	0	
1987	9	2	0.04	0.03	0.49	0	0.03	0.04	0.02	0.49	9.1	25.89	0	0	0	1.82	16.07	0	
1987	9	3	0.04	0.04	0.49	0	0.03	0.04	0.02	0.49	8.27	25.37	0	0	0	1.67	15.51	0	
1987	9	4	0.05	0.04	0.49	0.01	0.03	0.06	0.02	0.49	7.45	24.82	0	0	0	1.53	14.93	0	
1987	9	5	0.04	0.04	0.49	0	0.03	0.04	0.02	0.49	6.62	24.13	0	0	0	1.39	14.15	0	
1987	9	6	0.04	0.04	0.49	0	0.03	0.04	0.02	0.49	5.79	23.44	0	0	0	1.24	13.58	0	
1987	10	1	0.04	0.03	0.5	0	0.03	0.04	0.02	0.5	4.97	22.76	0	0	0	1.1	12.61	0	
1987	10	2	0.04	0.03	0.49	0	0.03	0.04	0.02	0.49	4.14	21.94	0	0	0	0.96	11.73	0	
1987	10	3	0.04	0.03	1.21	0	0.03	0.04	0.01	1.21	4.04	21.83	0	0	0	0.81	10.83	0	
1987	10	4	0.04	0.03	0.93	0	0.03	0.04	0.01	0.93	3.66	21.41	0	0	0	0.67	9.91	0	
1987	10	5	0.04	0.03	1.09	0	0.03	0.04	0.01	1.09	3.43	21.16	0	0	0	0.53	8.73	0	
1987	10	6	0.05	0.04	0.8	0	0.04	0.05	0.01	0.8	2.66	20.26	0	0	0	0.36	7.24	0	
1987	11	1	0.04	0.04	0.67	0.02	0.02	0.07	0.01	0.67	2.04	19.36	0	0	0	0.22	5.55	0	
1987	11	2	0.11	0.09	1.15	0.08	0.02	0.18	0.01	1.15	2.01	19.33	0	0	0	0.08	3.17	0	
1987	11	3	0.05	0.05	2.5	0.03	0.02	0.09	0.01	1.34	2.09	19.44	0	1.16	0.14	0	1.09	12.55	0
1987	11	4	0.04	0.04	2.29	0	0.04	0.04	0.01	1.34	2.12	19.48	0	0.95	0.14	0	1.9	16.39	0
1987	11	5	0.04	0.03	1.42	0	0.03	0.04	0.01	1.34	2.15	19.52	0	0.08	0.14	0	1.83	16.13	0
1987	11	6	0.04	0.04	0.87	0	0.04	0.04	0.01	0.87	1.7	18.84	0	0	0	1.69	15.56	0	
1987	12	1	0.04	0.04	0.84	0	0.03	0.05	0.01	0.84	1.24	18.01	0	0	0	1.54	15	0	
1987	12	2	0.05	0.04	1.44	0.01	0.03	0.06	0.01	1.34	1.29	18.1	0	0.1	0.14	0	1.5	14.76	0
1987	12	3	0.07	0.06	3.16	0.03	0.03	0.11	0.01	1.34	1.37	18.26	0	1.82	0.14	0	3.17	20.5	0
1987	12	4	0.28	0.26	3.94	0.22	0.03	0.51	0.01	1.34	1.87	19.12	0	2.59	0.14	0.01	3.47	21.2	2.15
1987	12	5	0.06	0.06	5.7	0.02	0.03	0.08	0.01	1.34	1.95	19.23	0	4.36	0.14	0.01	3.47	21.2	4.21
1987	12	6	0.05	0.04	3.8	0	0.04	0.05	0.01	1.61	1.99	19.29	0	2.19	0.17	0.01	3.47	21.2	2.01
1988	1	1	0.04	0.03	1.44	0.02	0.05	0.04	0.01	1.34	2.01	19.33	0	0.1	0.14	0.01	3.42	21.09	0
1988	1	2	0.07	0.07	0.77	0.02	0.05	0.09	0.01	0.77	1.52	18.52	0	0	0.14	0.01	3.28	20.74	0
1988	1	3	0.07	0.07	0.85	0.02	0.05	0.09	0.01	0.85	1.11	17.73	0	0	0	0.01	3.15	20.39	0
1988	1	4	0.12	0.11	2.1	0.07	0.03	0.19	0.01	1.34	1.29	18.1	0	0.76	0.14	0.01	3.47	21.2	0.27
1988	1	5	0.08	0.07	3.25	0.04	0.03	0.12	0.01	1.34	1.4	18.31	0	1.91	0.14	0.01	3.47	21.2	1.76
1988	1	6	0.4	0.36	8.29	0.33	0.04	0.73	0.01	1.61	2.12	19.48	0	6.68	0.17	0.01	3.47	21.2	6.5
1988	2	1	1.26	1.15	16.54	1.12	0.03	2.38	0.01	1.34	4.49	22.32	0	15.2	0.14	0.01	3.47	21.2	15.05
1988	2	2	0.87	0.79	20.76	0.76	0.03	1.64	0.01	1.34	6.11	23.71	0	19.42	0.14	0.01	3.47	21.2	19.27
1988	2	3	0.16	0.14	14.78	0.11	0.03	0.27	0.01	1.34	6.37	23.92	0	13.44	0.14	0.01	3.47	21.2	13.29
1988	2	4	0.08	0.07	21.66	0.03	0.04	0.11	0.02	1.34	6.46	23.99	0	20.31	0.14	0.01	3.47	21.2	20.37
1988	2	5	0.07	0.06	10.92	0.03	0.04	0.1	0.02	1.34	6.54	24.06	0	9.58	0.14	0.01	3.47	21.2	9.43
1988	2	6	0.05	0.05	2.72	0.02	0.03	0.07	0.01	1.07	6.6	24.11	0	1.64	0.11	0	3.47	21.2	1.53
1988	3	1	0.08	0.07	6.58	0.07	0.01	0.15	0.01	1.34	6.74	24.23	0	5.24	0.14	0	3.47	21.2	5.09
1988	3	2	0.07	0.06	10.78	0.06	0.01	0.13	0.01	1.34	6.85	24.32	0	9.43	0.14	0	3.47	21.2	9.29
1988	3	3	0.06	0.06	6.59	0.05	0.01	0.11	0.01	1.34	6.96	24.41	0	5.24	0.14	0	3.47	21.2	5.1
1988	3	4	0.06	0.06	6.31	0.04	0.01	0.11	0.01	1.34	7.05	24.48	0	4.97	0.14	0	3.47	21.2	4.82
1988	3	5	0.08	0.07	7.21	0.06	0.01	0.14	0.01	1.34	7.18	24.59	0	10.04	0.17	0.01	3.47	21.2	9.87
1988	3	6	0.09	0.08	11.66	0.07	0.02	0.16	0.01	1.61	7.31	24.7	0	19.31	0.14	0	3.47	21.2	19.17
1988	4	1	0.16	0.15	20.66	0.11	0.03	0.27	0.01	1.34	7.57	24.92	0	8.81	0.14	0	3.47	21.2	8.66
1988	4	2	0.1	0.09	10.15	0.06	0.03	0.15	0.02	1.34	7.71	25.02	0	5.96	0.14	0	3.47	21.2	5.81
1988	4	3	0.07	0.06	7.3	0.03	0.03	0.1	0.02	1.34	7.8	25.08	0	4.97	0.14	0	3.47	21.2	4.76
1988	4	4	0.07	0.06	7.25	0.05	0.01	0.12	0.01	1.34	7.9	25.14	0	5.96	0.14	0	3.47	21.2	5.76
1988	4	5	0.08	0.08	8.4	0.06	0.01	0.15	0.01	1.34	8.03	25.23	0	7.06	0.14	0	3.47	21.2	6.91
1988	4	6	0.06	0.05	6.1	0.04	0.01	0.1	0.02	1.34	8.12	25.28	0	4.76	0.14	0	3.47	21.2	4.61

Table F.37 (11) Reservoir Operation Study for Heightening of Krenceng Dam with Beroeng Diversion Tunnel and Cidanau Gated Weir (11/12)

Net supply yield
Krenceng reservoir: 3.11 m³/sec
Cidanau gated weir: 0.325 m³/sec
Water conveyance capacity: 3.435 m³/sec
of pipe line

(Unit: 10⁶ m³)

Year	Month	Serial No. of 5 day period	Inflow discharge			Outflow at Beroeng intake Diversion tunnel	Inflow Krenceng + Beroeng diversion		Evapo conveyance from Cida	Water conveyance from Cida	Krenceng Storage volume	Reservoir Water level (El.m)	Spillout	Inflow Cidanau after conveyance	Supply yield	Evapo	Cidanau Gated Reservoir Storage volume	Water level	Spillout
			Krenceng intake	Beroeng intake	Cidanau intake		Down stream	Krenceng											
1988	5	1	0.05	0.05	7.77	0.02	0.03	0.07	1.34	0.02	1.34	8.18	25.32	0	6.45	0	3.47	21.2	6.28
1988	5	2	0.05	0.04	8.62	0.01	0.03	0.06	1.34	0.02	1.34	8.22	25.34	0	7.28	0	3.47	21.2	7.13
1988	5	3	0.06	0.05	6.74	0.02	0.03	0.08	1.34	0.02	1.34	8.28	25.38	0	5.4	0	3.47	21.2	5.25
1988	5	4	0.07	0.06	9.24	0.03	0.03	0.1	1.34	0.02	1.34	8.36	25.43	0	7.9	0	3.47	21.2	7.76
1988	5	5	0.06	0.05	7.75	0.02	0.04	0.08	1.34	0.02	1.34	8.42	25.47	0	6.41	0	3.47	21.2	6.26
1988	5	6	0.05	0.05	4.45	0.01	0.04	0.07	1.61	0.02	1.61	8.46	25.49	0	2.84	0.01	3.47	21.2	2.67
1988	6	1	0.08	0.07	3.12	0.04	0.03	0.12	1.34	0.02	1.34	8.56	25.56	0	1.78	0	3.47	21.2	1.63
1988	6	2	0.05	0.05	5.72	0.01	0.03	0.06	1.34	0.02	1.34	8.61	25.59	0	4.37	0	3.47	21.2	4.23
1988	6	3	0.05	0.04	6.27	0.01	0.03	0.06	1.34	0.02	1.34	8.66	25.62	0	4.93	0	3.47	21.2	4.78
1988	6	4	0.04	0.04	5.46	0	0.03	0.04	1.34	0.02	1.34	8.68	25.63	0	4.12	0	3.47	21.2	3.97
1988	6	5	0.04	0.03	4.47	0	0.03	0.04	1.34	0.02	1.34	8.71	25.65	0	3.12	0	3.47	21.2	2.98
1988	6	6	0.04	0.03	3.13	0	0.03	0.04	1.34	0.02	1.34	8.73	25.66	0	1.79	0	3.47	21.2	1.64
1988	7	1	0.08	0.07	2.01	0.04	0.03	0.12	1.34	0.02	1.34	8.84	25.73	0	0.67	0	3.47	21.2	0.52
1988	7	2	0.06	0.05	1.37	0.02	0.03	0.07	1.34	0.02	1.34	8.84	25.73	0	0.03	0	3.47	21.2	0
1988	7	3	0.03	0.03	0.91	0	0.03	0.03	1.34	0.02	1.34	8.84	25.73	0	0	0	3.47	21.2	0
1988	7	4	0.04	0.04	1.08	0.01	0.03	0.05	1.34	0.02	1.34	8.84	25.73	0	0	0	3.47	21.2	0
1988	7	5	0.04	0.03	0.93	0	0.03	0.04	1.34	0.02	1.34	8.84	25.73	0	0	0	3.47	21.2	0
1988	7	6	0.04	0.04	1.15	0	0.04	0.05	1.61	0.02	1.61	8.84	25.73	0	0	0	3.47	21.2	0
1988	7	7	0.04	0.04	1.15	0	0.03	0.04	1.34	0.02	1.34	8.84	25.73	0	0	0	3.47	21.2	0
1988	8	1	0.05	0.04	1.03	0.01	0.03	0.06	1.34	0.02	1.34	8.84	25.73	0	0	0	3.47	21.2	0
1988	8	2	0.05	0.05	1.89	0.01	0.03	0.07	1.34	0.02	1.34	8.84	25.73	0	0	0	3.47	21.2	0
1988	8	3	0.06	0.05	1.5	0.02	0.03	0.08	1.34	0.02	1.34	8.84	25.73	0	0	0	3.47	21.2	0
1988	8	4	0.05	0.05	1.39	0.02	0.03	0.07	1.34	0.02	1.34	8.84	25.73	0	0	0	3.47	21.2	0
1988	8	5	0.05	0.04	1.48	0.01	0.03	0.06	1.34	0.02	1.34	8.84	25.73	0	0	0	3.47	21.2	0
1988	8	6	0.05	0.05	1.16	0.01	0.04	0.06	1.61	0.02	1.61	8.84	25.73	0	0	0	3.47	21.2	0
1988	8	7	0.04	0.04	0.97	0	0.03	0.05	1.34	0.02	1.34	8.84	25.73	0	0	0	3.47	21.2	0
1988	9	1	0.04	0.03	1.15	0	0.03	0.04	1.34	0.02	1.34	8.84	25.73	0	0	0	3.47	21.2	0
1988	9	2	0.04	0.03	1.5	0	0.03	0.04	1.34	0.02	1.34	8.84	25.73	0	0	0	3.47	21.2	0
1988	9	3	0.04	0.03	1.32	0	0.03	0.04	1.34	0.02	1.34	8.84	25.73	0	0	0	3.47	21.2	0
1988	9	4	0.04	0.03	1.29	0	0.03	0.04	1.34	0.02	1.34	8.84	25.73	0	0	0	3.47	21.2	0
1988	9	5	0.04	0.03	1.25	0	0.03	0.04	1.34	0.02	1.34	8.84	25.73	0	0	0	3.47	21.2	0
1988	9	6	0.04	0.03	1.43	0	0.03	0.04	1.34	0.02	1.34	8.84	25.73	0	0	0	3.47	21.2	0
1988	10	1	0.04	0.03	1.15	0	0.03	0.04	1.34	0.02	1.34	8.84	25.73	0	0	0	3.47	21.2	0
1988	10	2	0.04	0.03	1.15	0	0.03	0.04	1.34	0.02	1.34	8.84	25.73	0	0	0	3.47	21.2	0
1988	10	3	0.22	0.2	1.13	0.17	0.03	0.39	1.34	0.02	1.34	8.84	25.73	0	0	0	3.47	21.2	0
1988	10	4	0.14	0.13	2.01	0.09	0.03	0.23	1.34	0.02	1.34	8.84	25.73	0	0	0	3.47	21.2	0
1988	10	5	0.07	0.06	2.27	0.13	0.03	0.09	1.34	0.02	1.34	8.84	25.73	0	0	0	3.47	21.2	0
1988	10	6	0.19	0.17	2.58	0.13	0.04	0.31	1.61	0.02	1.61	8.84	25.73	0	0	0	3.47	21.2	0
1988	11	1	0.28	0.25	3.59	0.24	0.01	0.52	1.34	0.02	1.34	8.84	25.73	0	0	0	3.47	21.2	0.3
1988	11	2	0.09	0.08	4.5	0.07	0.01	0.16	1.34	0.02	1.34	8.84	25.73	0	2.25	0.14	3.47	21.2	2.1
1988	11	3	0.07	0.06	5.93	0.05	0.01	0.12	1.34	0.02	1.34	8.84	25.73	0	3.15	0.14	3.47	21.2	3.01
1988	11	4	0.05	0.04	5.45	0	0.04	0.05	1.34	0.02	1.34	8.84	25.73	0	4.58	0.14	3.47	21.2	4.43
1988	11	5	0.05	0.05	7.94	0.01	0.04	0.06	1.34	0.02	1.34	8.84	25.73	0	4.1	0.14	3.47	21.2	3.96
1988	11	6	0.05	0.04	13.43	0	0.04	0.05	1.34	0.02	1.34	8.84	25.73	0	6.59	0.14	3.47	21.2	6.45
1988	12	1	0.05	0.05	14.52	0.01	0.03	0.06	1.34	0.02	1.34	8.84	25.73	0	12.08	0.14	3.47	21.2	11.94
1988	12	2	0.05	0.05	9.43	0.01	0.03	0.06	1.34	0.02	1.34	8.84	25.73	0	13.17	0.14	3.47	21.2	13.03
1988	12	3	0.38	0.34	13.49	0.31	0.03	0.69	1.34	0.02	1.34	8.84	25.73	0	8.69	0.14	3.47	21.2	7.94
1988	12	4	0.09	0.08	25.56	0.05	0.03	0.14	1.34	0.02	1.34	8.84	25.73	0	12.15	0.14	3.47	21.2	12.12
1988	12	5	0.04	0.04	12.37	0	0.03	0.04	1.34	0.02	1.34	8.84	25.73	0	24.01	0.14	3.47	21.2	23.87
1988	12	6	0.05	0.04	7.41	0	0.04	0.05	1.61	0.02	1.61	8.84	25.73	0	11.02	0.14	3.47	21.2	10.88
1989	1	1	0.04	0.04	4.47	0	0.04	0.04	1.34	0.02	1.34	8.84	25.73	0	5.8	0.17	3.47	21.2	5.62
1989	1	2	0.04	0.04	3.43	0	0.04	0.04	1.34	0.02	1.34	8.84	25.73	0	3.13	0.14	3.47	21.2	2.98
1989	1	3	0.05	0.05	2.82	0	0.05	0.05	1.34	0.02	1.34	8.84	25.73	0	2.09	0.14	3.47	21.2	1.94
1989	1	4	0.06	0.06	3.08	0.05	0.12	0.12	1.34	0.02	1.34	8.84	25.73	0	1.47	0.14	3.47	21.2	1.33
1989	1	5	0.12	0.11	3.9	0.11	0	0.22	1.34	0.02	1.34	8.84	25.73	0	2.34	0.14	3.47	21.2	2.19
1989	2	1	0.08	0.07	3.81	0.07	0	0.15	1.61	0.02	1.61	8.84	25.73	0	2.56	0.14	3.47	21.2	2.41
1989	2	2	0.22	0.2	4.25	0.17	0.03	0.38	1.34	0.02	1.34	8.84	25.73	0	2.2	0.17	3.47	21.2	2.03
1989	2	3	0.22	0.2	15.86	0.16	0.03	0.38	1.34	0.02	1.34	8.84	25.73	0	2.91	0.14	3.47	21.2	2.76
1989	2	4	0.09	0.08	10.41	0.05	0.03	0.14	1.34	0.02	1.34	8.84	25.73	0	14.52	0.14	3.47	21.2	14.37
1989	2	5	0.27	0.24	32.32	0.21	0.03	0.48	1.34	0.02	1.34	8.84	25.73	0	9.06	0.14	3.47	21.2	8.92
1989	2	6	0.75	0.69	13.52	0.65	0.03	1.41	1.34	0.02	1.34	8.84	25.73	0	30.97	0.14	3.47	21.2	30.83
1989	2	7	0.39	0.35	21.43	0.33	0.02	0.72	1.34	0.02	1.34	8.84	25.73	0	11.97	0.14	3.47	21.2	11.83
1989	2	8												20.63	0.08				20.54

Table F-37 (12) Reservoir Operation Study for Heightening of Krenceng Dam with Beroeng Diversion Tunnel and Cidanau Gated Weir (12/12)

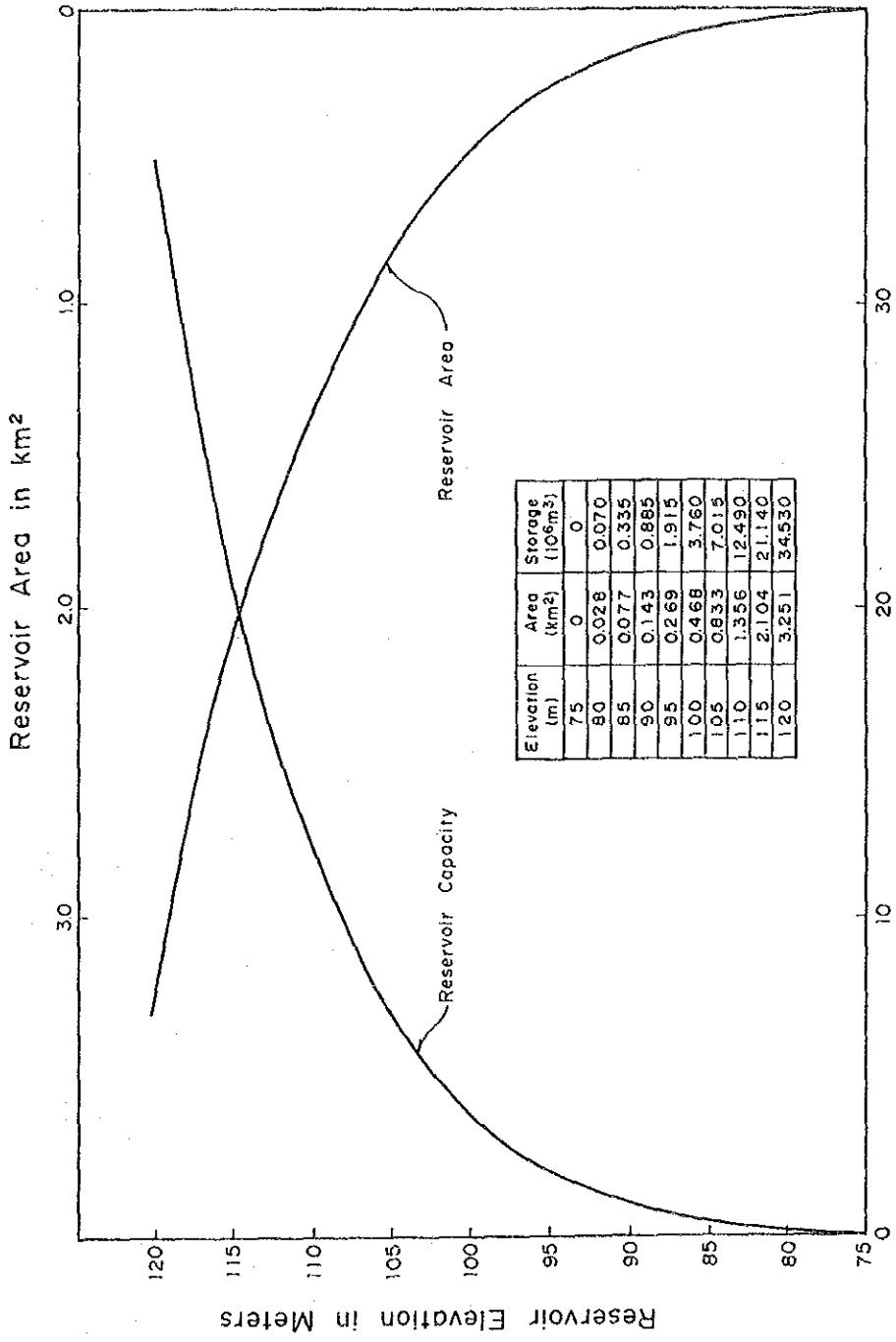
Net supply yield
Krenceng reservoir: 3.11 m³/sec
Cidanau gated weir: 0.325 m³/sec
Water conveyance capacity: 3.435 m³/sec
of pipe line

Year	Month	Serial No. of 5 day period	Inflow discharge		Outflow at Beroeng intake	Inflow at Beroeng intake		Evapo	Water conveyance from Cida	Krenceng Reservoir Storage volume	Reservoir Water level (El-m)	Spillout	Cidanau Gated Reservoir				
			Krenceng	Beroeng		Cidanau intake	Beroeng intake						Storage volume	Water level	Spillout		
1989	3	1	0.35	0.31	24.82	0.29	0.02	0.64	1.34	13.06	28.37	0	23.48	0	3.47	21.2	23.33
1989	3	2	0.33	0.27	17.14	0.25	0.02	0.54	1.34	13.58	28.69	0	15.8	0	3.47	21.2	15.65
1989	3	3	0.22	0.2	9.43	0.18	0.02	0.4	1.34	13.96	28.93	0	8.09	0	3.47	21.2	7.94
1989	3	4	0.1	0.09	8.1	0.07	0.02	0.17	1.34	14.07	29	0	6.8	0	3.47	21.2	6.66
1989	3	5	0.04	0.03	4.66	0.01	0.02	0.05	1.34	14.07	29	0	3.35	0	3.47	21.2	3.2
1989	3	6	0.05	0.05	3.91	0.02	0.03	0.07	1.61	14.07	29	0	2.34	0.01	3.47	21.2	2.17
1989	4	1	0.04	0.03	3.38	0	0.03	0.04	1.34	14.07	29	0	2.05	0	3.47	21.2	1.91
1989	4	2	0.05	0.04	3.38	0.01	0.03	0.05	1.34	14.07	29	0	2.07	0	3.47	21.2	1.92
1989	4	3	0.04	0.04	3.38	0.01	0.03	0.05	1.34	14.07	29	0	2.06	0	3.47	21.2	1.92
1989	4	4	0.02	0.01	3.38	0	0.01	0.02	1.34	14.07	29	0	2.04	0	3.47	21.2	1.89
1989	4	5	0.01	0.01	3.38	0	0.01	0.01	1.34	14.06	28.99	0	2.04	0	3.47	21.2	1.89
1989	4	6	0.01	0.01	3.38	0	0.01	0.01	1.34	14.05	28.99	0	2.04	0	3.47	21.2	1.89
1989	5	1	0.02	0.02	3.38	0	0.02	0.02	1.34	14.05	28.99	0	2.04	0	3.47	21.2	1.89
1989	5	2	0.02	0.01	3.38	0	0.01	0.01	1.34	14.05	28.98	0	2.04	0	3.47	21.2	1.89
1989	5	3	0.01	0.01	3.38	0	0.01	0.01	1.34	14.03	28.98	0	2.04	0	3.47	21.2	1.89
1989	5	4	0.01	0.01	3.38	0	0.01	0.01	1.34	14.02	28.97	0	2.04	0	3.47	21.2	1.89
1989	5	5	0.02	0.02	3.38	0	0.02	0.02	1.34	14.02	28.97	0	2.04	0	3.47	21.2	1.89
1989	5	6	0.02	0.02	4.06	0	0.02	0.02	1.61	14.02	28.96	0	2.44	0.01	3.47	21.2	2.27
1989	6	1	0.02	0.02	3.3	0	0.02	0.02	1.34	14.01	28.96	0	1.95	0	3.47	21.2	1.81
1989	6	2	0.07	0.06	4.01	0.03	0.03	0.1	1.34	14.07	29	0	2.8	0	3.47	21.2	2.55
1989	6	3	0.09	0.08	4.02	0.05	0.03	0.14	1.34	14.07	29	0	2.69	0	3.47	21.2	2.65
1989	6	4	0.08	0.07	2.74	0.04	0.03	0.11	1.34	14.07	29	0	1.49	0	3.47	21.2	1.35
1989	6	5	0.08	0.07	1.62	0.04	0.03	0.12	1.34	14.07	29	0	0.37	0	3.47	21.2	0.23
1989	6	6	0.08	0.07	1.4	0.04	0.03	0.11	1.34	14.07	29	0	0.15	0	3.47	21.2	0.01
1989	7	1	0.06	0.05	1.37	0.02	0.03	0.07	1.34	14.07	29	0	0.08	0	3.4	21.04	0
1989	7	2	0.06	0.05	2.71	0.02	0.03	0.08	1.34	14.07	29	0	1.43	0	3.47	21.2	1.21
1989	7	3	0.06	0.06	4.54	0.02	0.03	0.08	1.34	14.07	29	0	3.26	0	3.47	21.2	3.12
1989	7	4	0.06	0.06	5.32	0.02	0.03	0.08	1.34	14.07	29	0	4.04	0	3.47	21.2	3.89
1989	7	5	0.05	0.05	3.77	0.01	0.03	0.07	1.34	14.07	29	0	2.47	0	3.47	21.2	2.32
1989	7	6	0.08	0.07	2.3	0.03	0.04	0.11	1.61	14.07	29	0	0.77	0.01	3.47	21.2	0.6
1989	8	1	0.06	0.06	1.15	0.02	0.03	0.09	1.34	14.07	28.92	0	0	0.01	3.47	20.85	0
1989	8	2	0.08	0.07	0.77	0.04	0.03	0.12	1.34	13.46	28.62	0	0	0.01	3.18	20.51	0
1989	8	3	0.06	0.05	0.98	0.02	0.03	0.08	1.34	13.15	28.42	0	0	0.01	3.05	20.16	0
1989	8	4	0.06	0.06	0.62	0.02	0.03	0.09	1.34	12.49	28.01	0	0	0.01	2.88	19.75	0
1989	8	5	0.05	0.05	0.7	0.02	0.03	0.07	1.34	11.9	27.64	0	0	0.01	2.74	19.29	0
1989	8	6	0.15	0.13	1.27	0.1	0.04	0.24	1.61	11.77	27.56	0	0	0.01	2.56	18.73	0
1989	9	1	0.05	0.05	1.68	0.02	0.03	0.07	1.34	11.82	27.59	0	0.34	0	2.76	19.34	0
1989	9	2	0.07	0.06	1.03	0.03	0.03	0.1	1.34	11.58	27.44	0	0	0	2.61	18.88	0
1989	9	3	0.05	0.05	1.88	0.01	0.03	0.06	1.34	11.62	27.47	0	0	0	3	20.08	0
1989	9	4	0.04	0.04	2.36	0	0.03	0.04	1.34	11.64	27.48	0	1.01	0.01	3.47	21.2	0.39
1989	9	5	0.04	0.03	1.53	0	0.03	0.04	1.34	11.66	27.49	0	0.19	0.01	3.47	21.2	0.04
1989	9	6	0.04	0.04	0.83	0	0.03	0.04	1.34	11.17	27.19	0	0	0.01	3.32	20.85	0
1989	10	1	0.04	0.03	1.34	0	0.03	0.04	1.34	11.19	27.2	0	0.02	0.01	3.2	20.57	0
1989	10	2	0.04	0.03	1.15	0	0.03	0.04	1.34	11.01	27.09	0	0	0.01	3.06	20.22	0
1989	10	3	0.04	0.03	0.94	0	0.03	0.04	1.34	10.63	26.85	0	0	0.01	2.91	19.84	0
1989	10	4	0.04	0.03	0.81	0	0.03	0.04	1.34	10.12	26.53	0	0	0.01	2.77	19.37	0
1989	10	5	0.04	0.04	0.87	0	0.03	0.04	1.34	9.66	26.24	0	0	0	2.62	18.91	0
1989	10	6	0.05	0.04	2.43	0	0.04	0.05	1.61	9.68	26.26	0	0.82	0.01	3.26	20.71	0
1989	11	1	0.04	0.03	1.68	0.02	0.01	0.06	1.34	9.72	26.28	0	0.33	0.01	3.45	21.15	0
1989	11	2	0.04	0.03	1.44	0.02	0.01	0.06	1.34	9.72	26.3	0	0.09	0.01	3.4	21.05	0
1989	11	3	0.04	0.03	2.22	0.02	0.01	0.06	1.34	9.79	26.32	0	0.88	0.01	3.47	21.2	0.66
1989	11	4	0.04	0.04	2.09	0	0.04	0.04	1.34	9.8	26.33	0	0.97	0.01	3.47	21.2	0.6
1989	11	5	0.04	0.03	2.31	0	0.03	0.04	1.34	9.82	26.34	0	0.41	0.01	3.47	21.2	0.82
1989	11	6	0.04	0.04	1.75	0	0.04	0.04	1.34	9.83	26.35	0	0.94	0.01	3.47	21.2	0.26
1989	12	1	0.04	0.04	2.28	0.01	0.02	0.05	1.34	9.86	26.37	0	0.84	0.01	3.47	21.2	0.79
1989	12	2	0.08	0.07	2.81	0.05	0.02	0.12	1.34	9.96	26.43	0	1.47	0.01	3.47	21.2	1.32
1989	12	3	0.49	0.45	4.08	0.42	0.02	0.92	1.34	10.86	26.99	0	2.74	0.01	3.47	21.2	2.59
1989	12	4	0.16	0.15	4.58	0.11	0.04	0.27	1.34	11.11	27.15	0	3.24	0.01	3.47	21.2	3.09
1989	12	5	0.07	0.07	4.28	0.03	0.04	0.1	1.34	11.18	27.19	0	2.93	0.01	3.47	21.2	2.79
1989	12	6	0.24	0.22	5.2	0.17	0.05	0.42	1.61	11.57	27.43	0	3.59	0.01	3.47	21.2	3.41

(Unit: 10 m³)

FIGURES

Fig. F-1



Reservoir Capacity in 10⁶ m³
Area - Storage Curves of Cibanten Dam Site


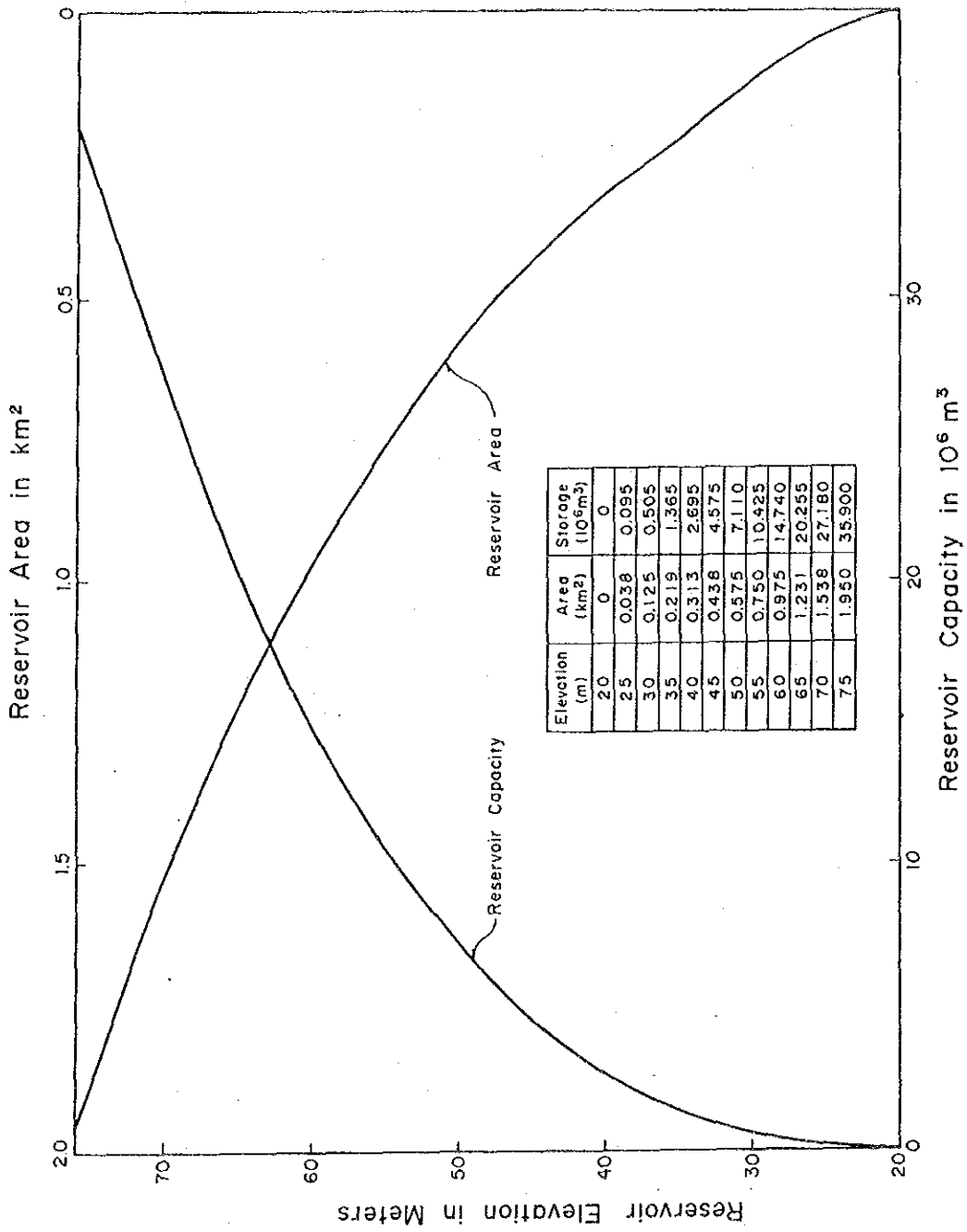


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Fig. F-2

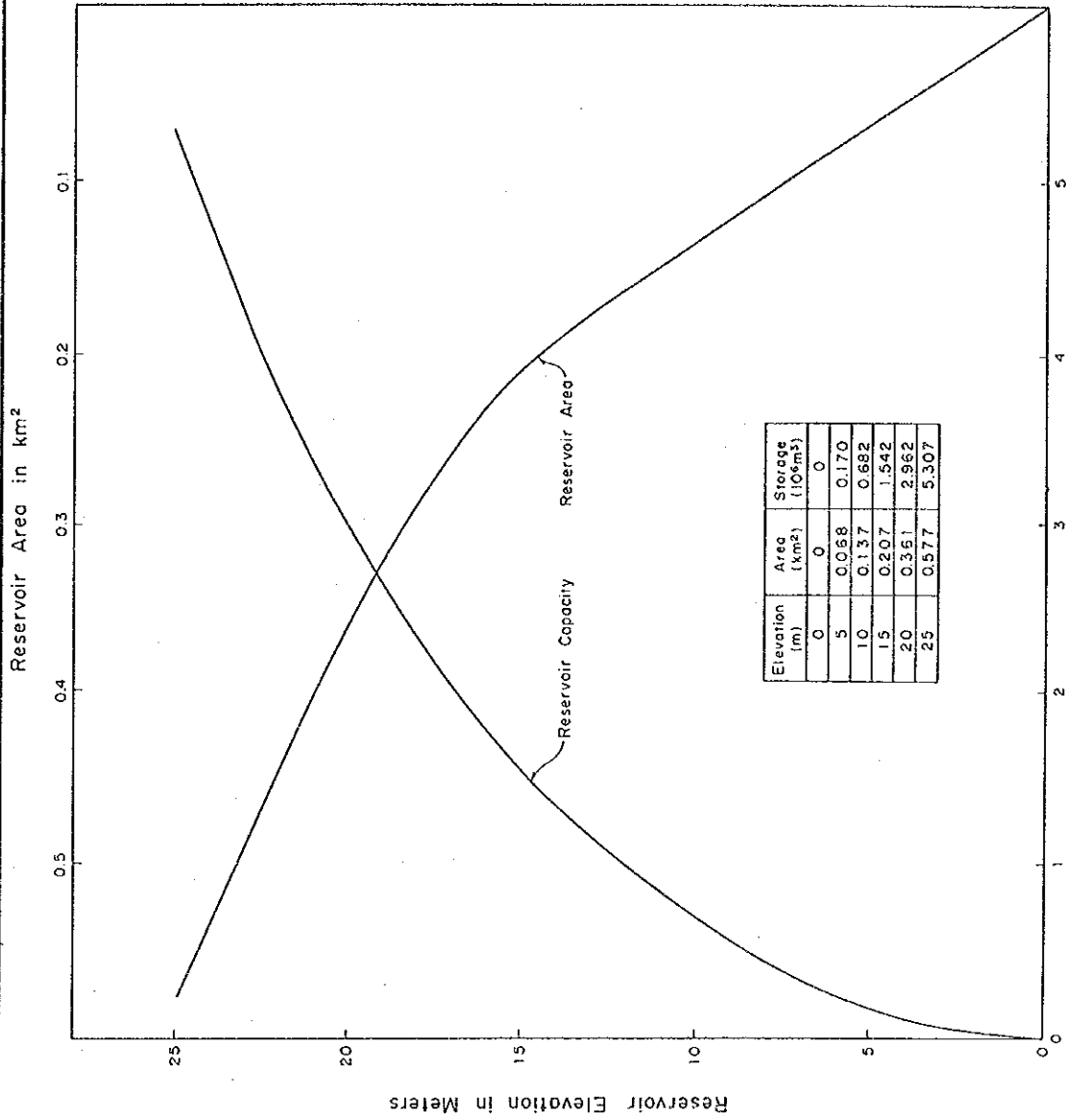


Area-Storage Curves for Downstream Cidanau Dam Site



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Fig. F-3

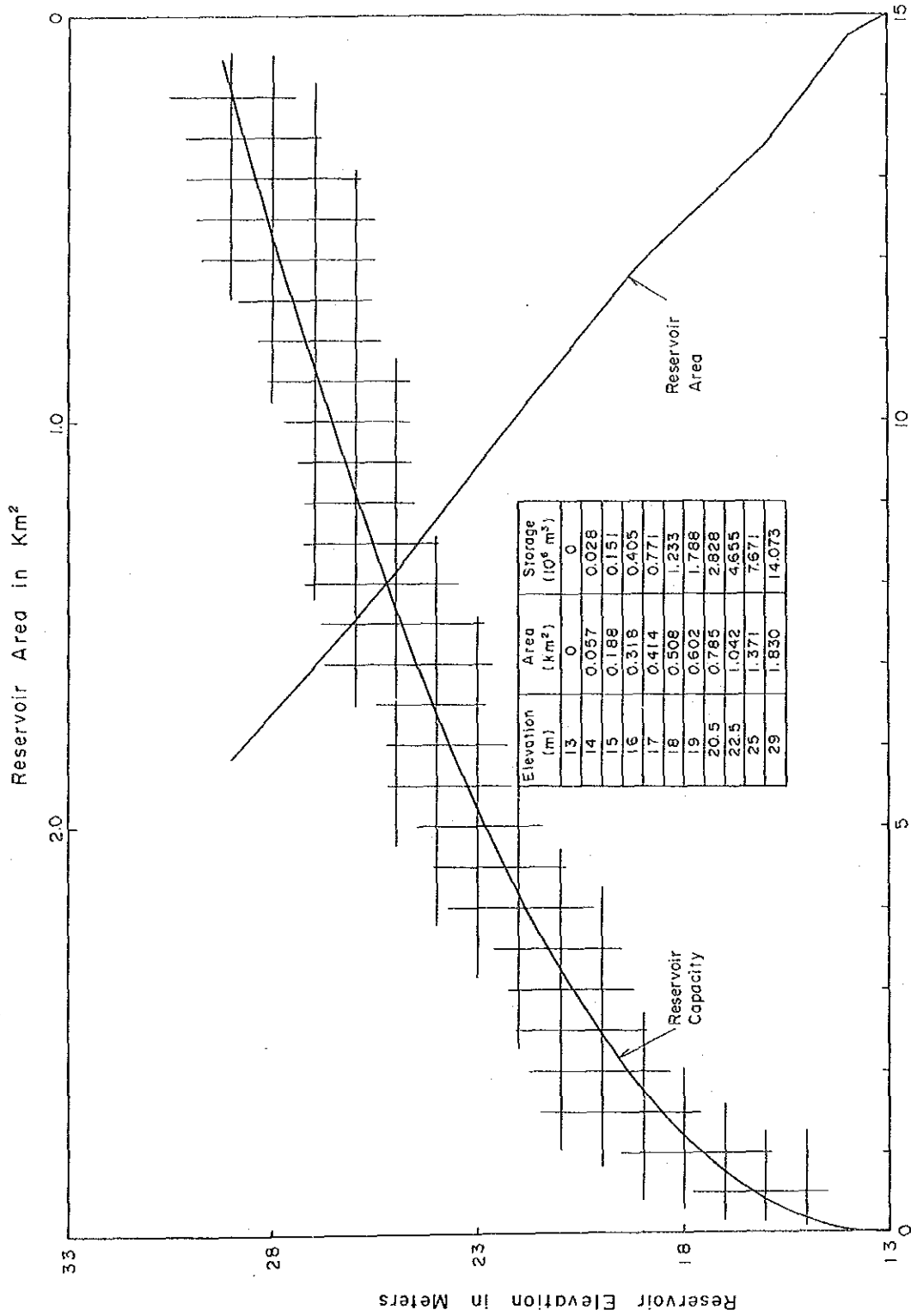


Reservoir Capacity in 10⁶ m³
Area - Storage Curves for Cidanau Gated Weir Site


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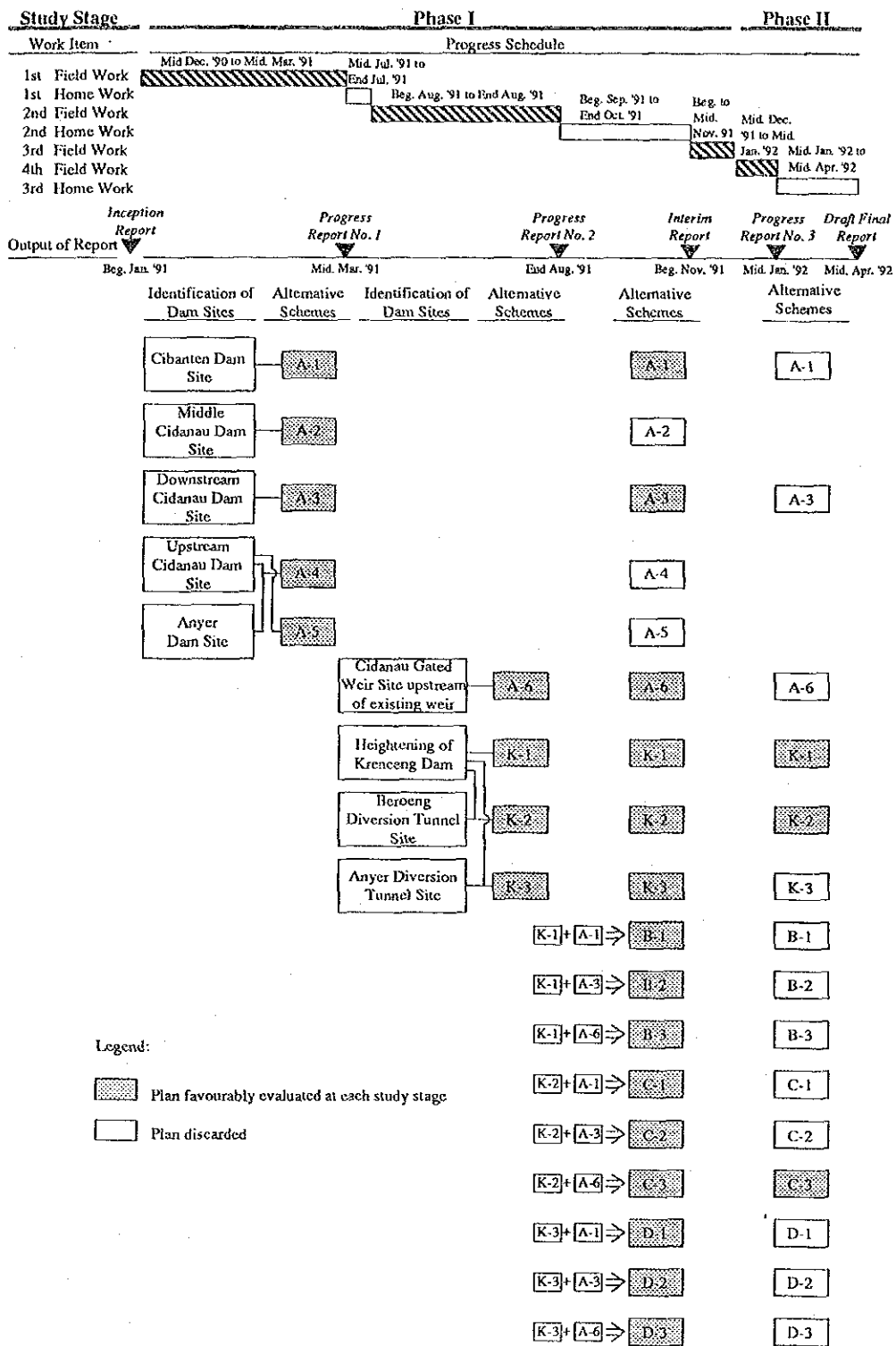
Fig. F-4




Reservoir Capacity in 10⁶ m³
Area-Storage Curves of Krenceng Dam Site

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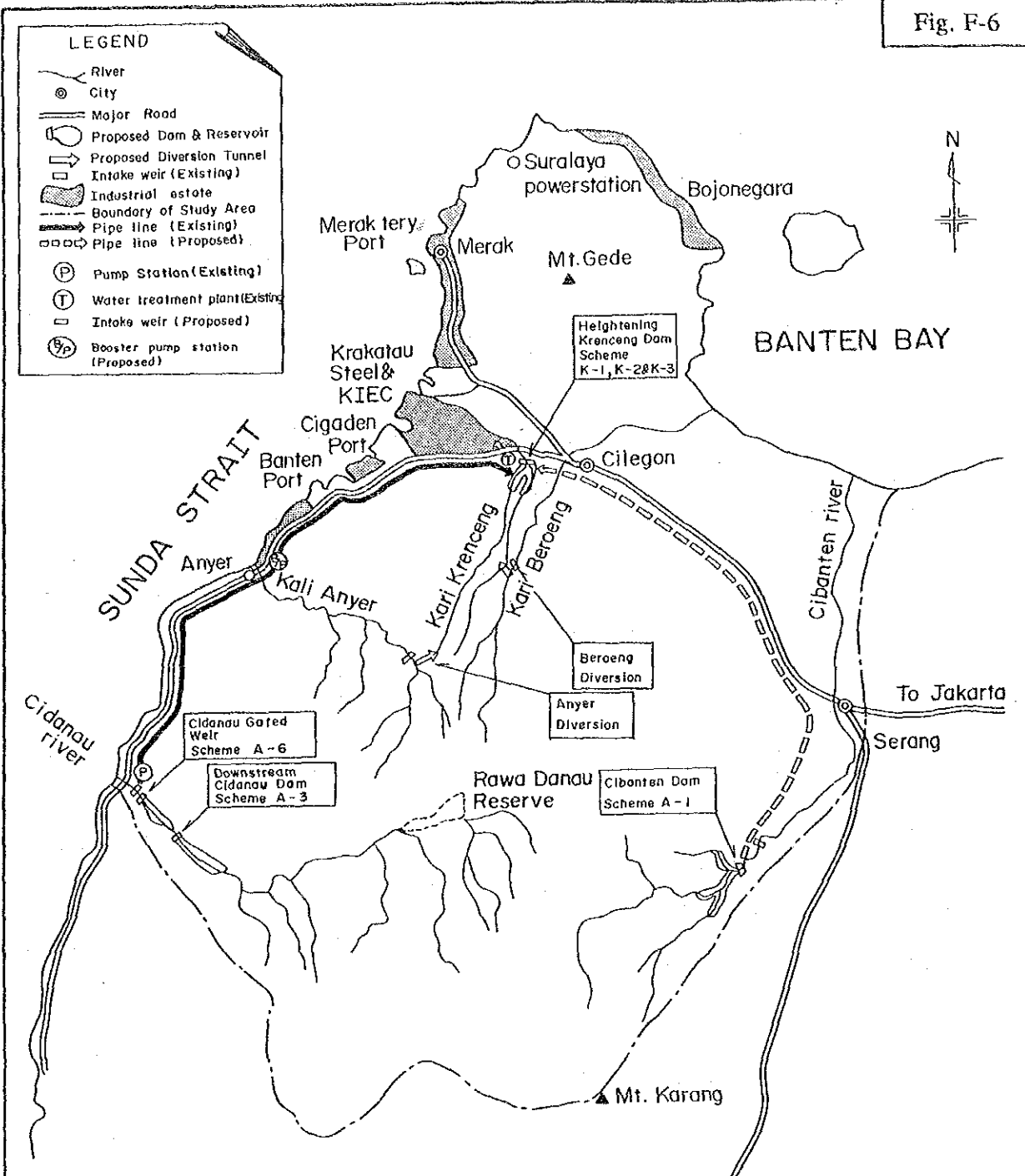


Flow of Plan Formulation Study


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Fig. F-6



Alternative Schemes

Single Development	Combined Development	
	Schema	Single scheme to be combined
B-1 B-2 B-3	B-1	K-1 plus A-1
	B-2	K-1 plus A-3
	B-3	K-1 plus A-6
A-1 A-3 A-6	C-1	K-2 plus A-1
	C-2	K-2 plus A-3
	C-3	K-2 plus A-6
K-1 1) K-2 2) K-3 3)	D-1	K-3 plus A-1
	D-2	K-3 plus A-3
	D-3	K-3 plus A-6

- Notes :
- 1) Without diversion
 - 2) With Beroeng diversion
 - 3) With Beroeng & Anyer diversions


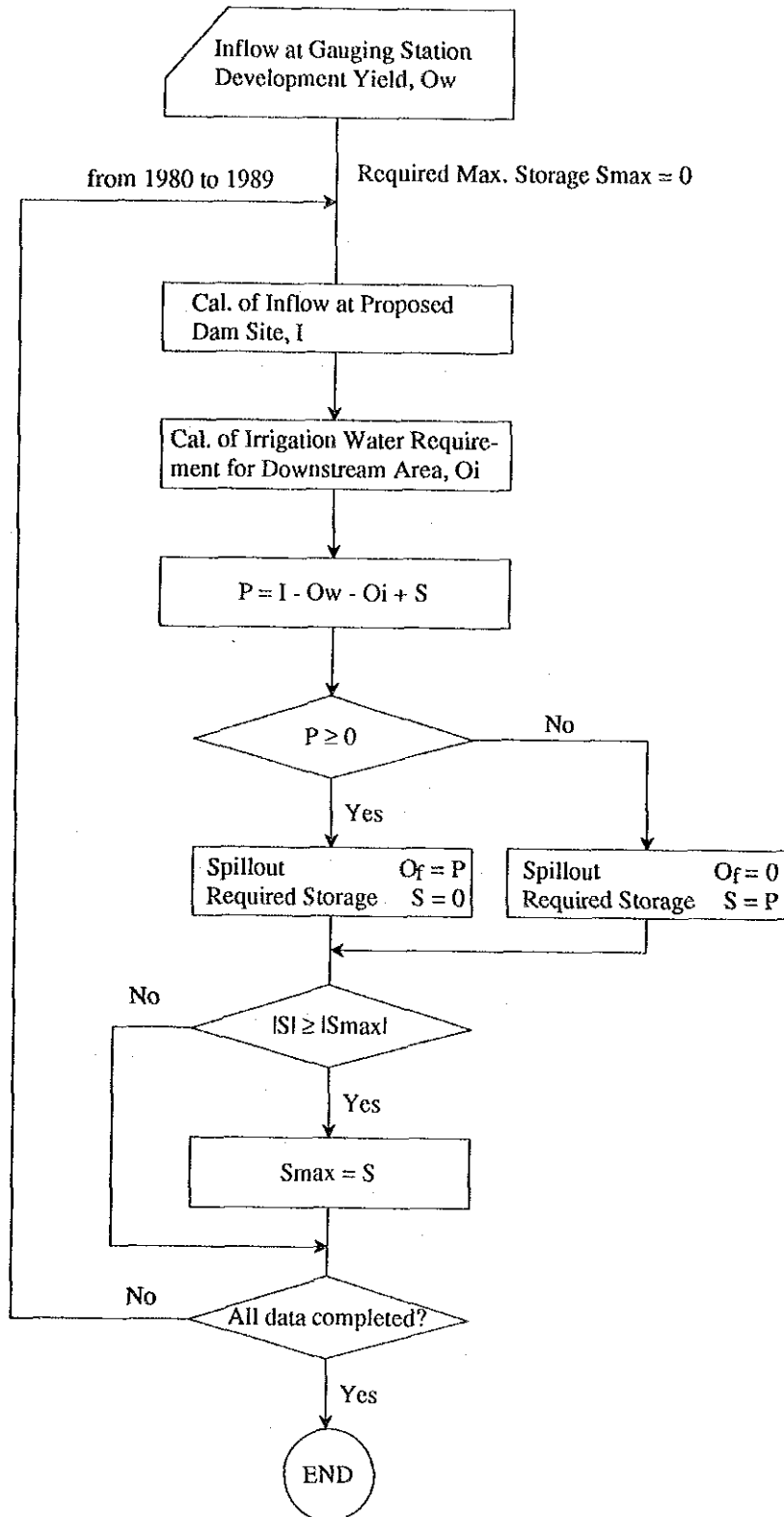

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Location Map of Alternatives
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Fig. F-7

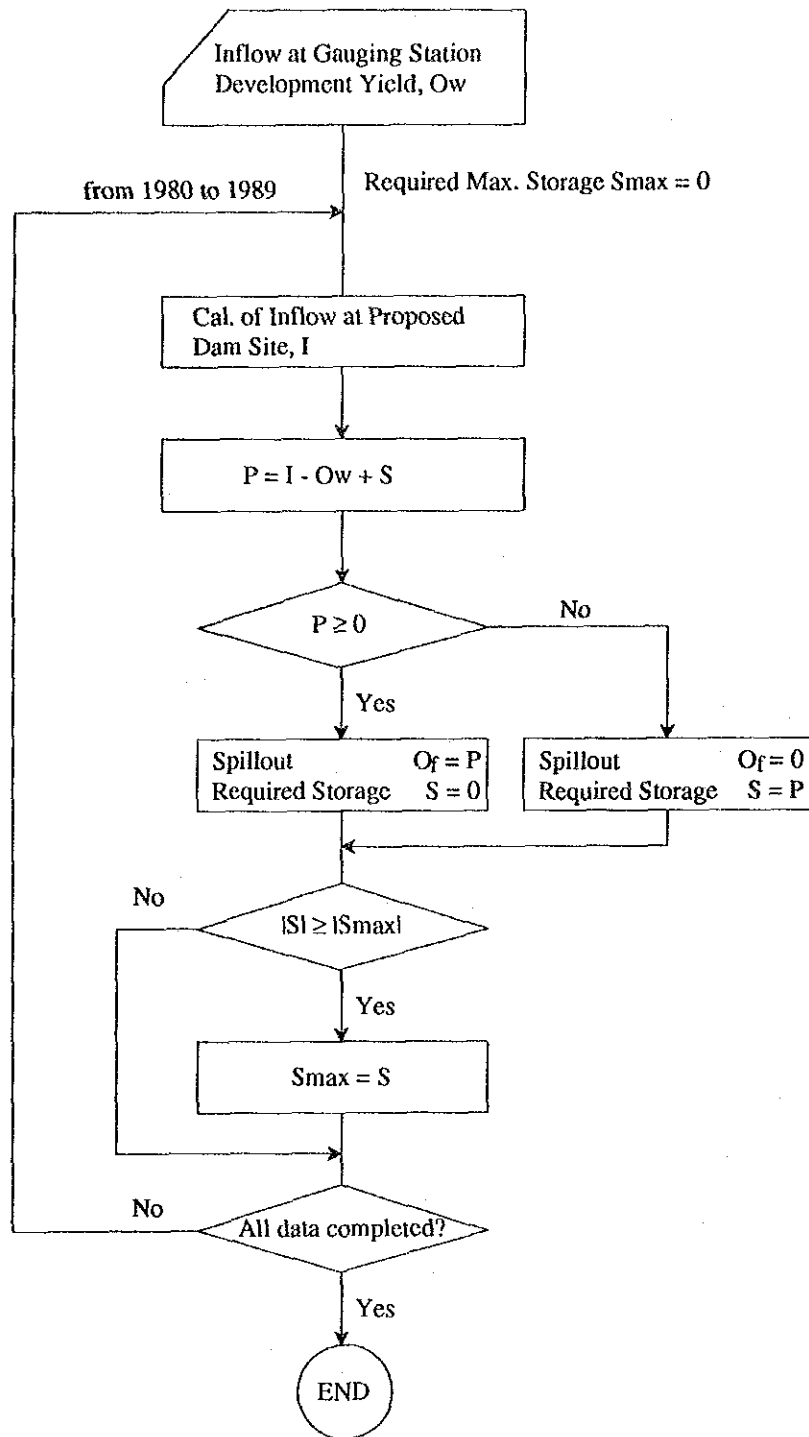


Water Balance Study for Cibanten Dam Development:
Scheme A-1



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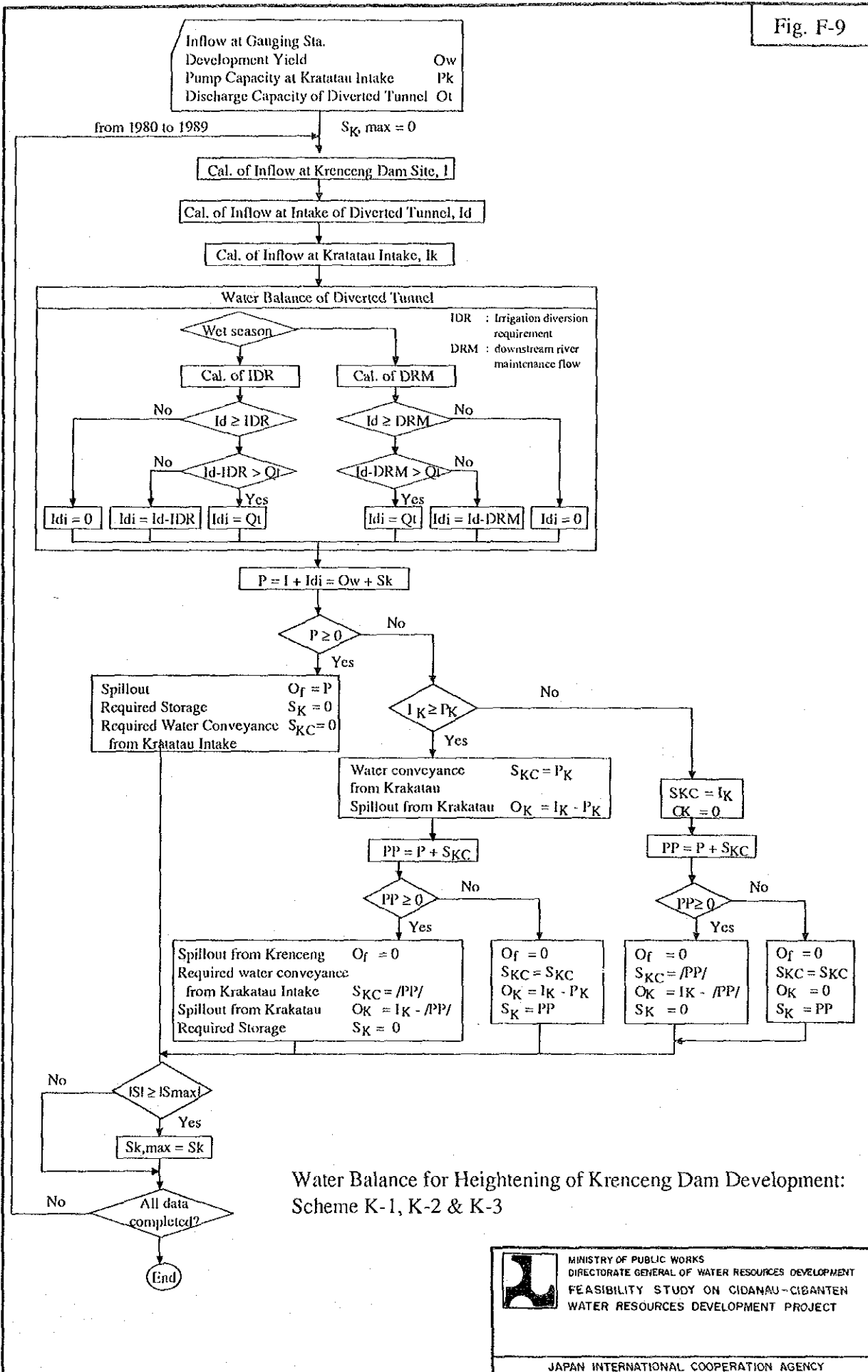
Water Balance Study for Cidanau Dam Development and Cidanau Gated Weir Development: Scheme A-3 & A-6

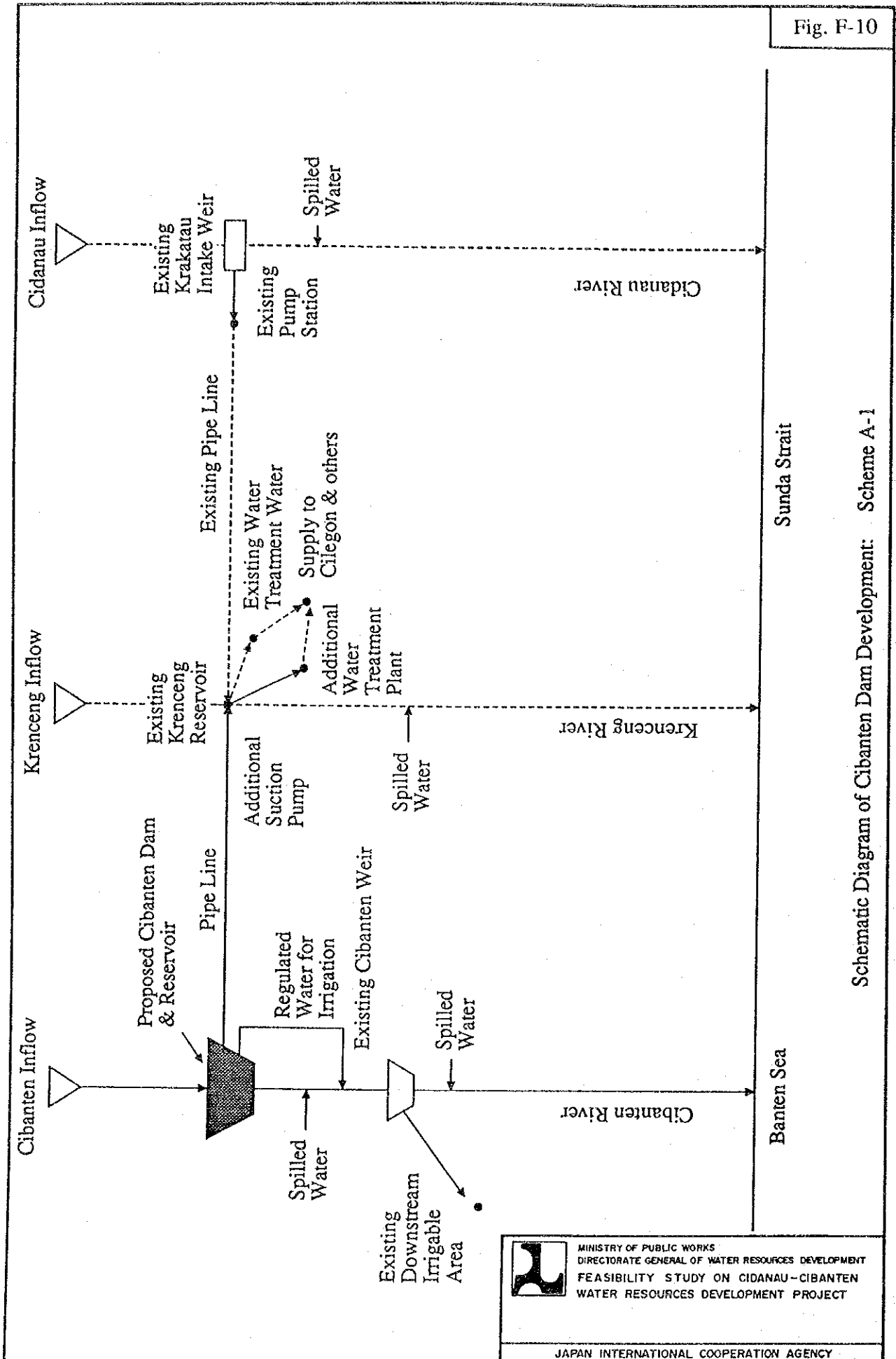


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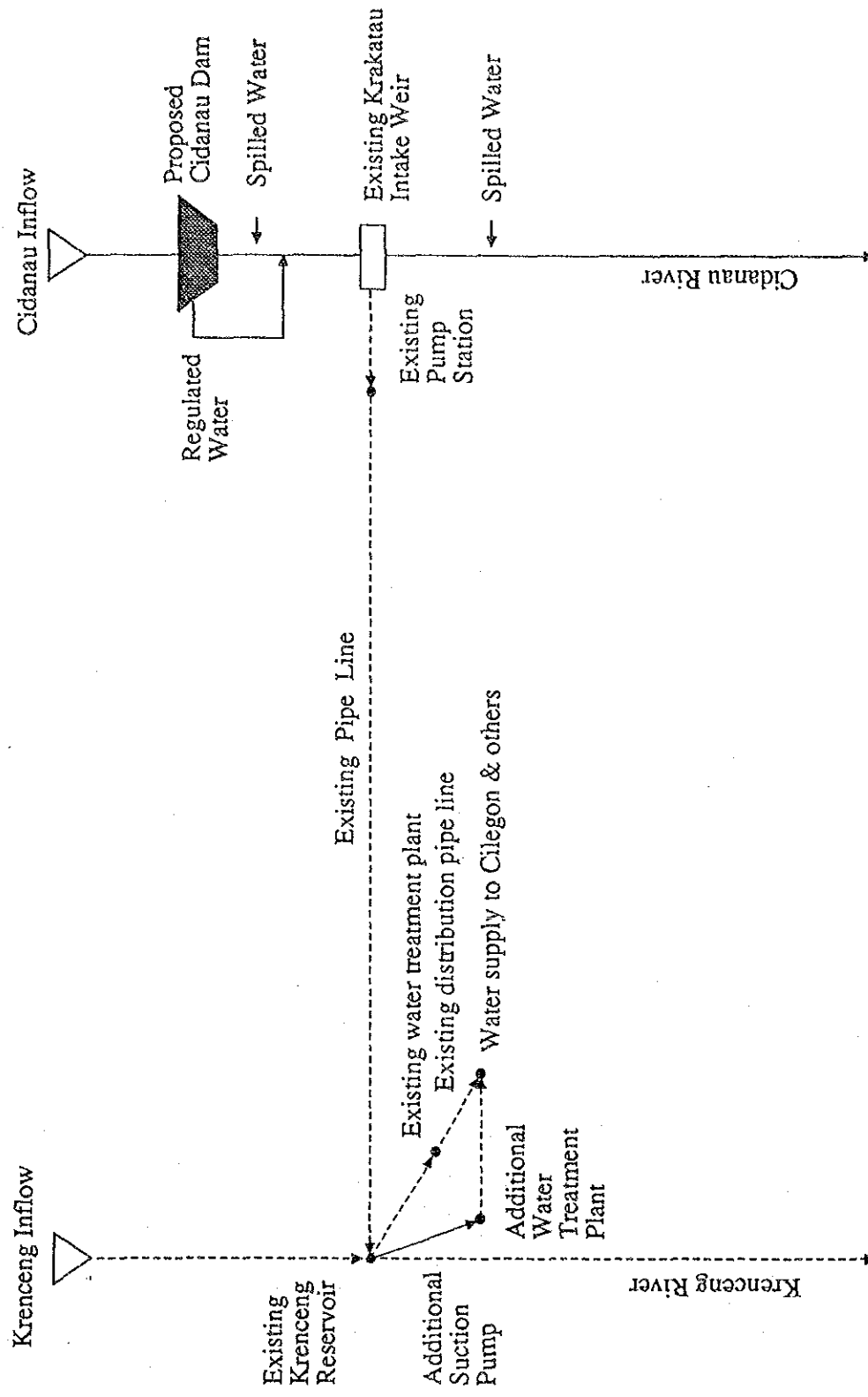
Fig. F-9





Schematic Diagram of Cibanten Dam Development: Scheme A-1


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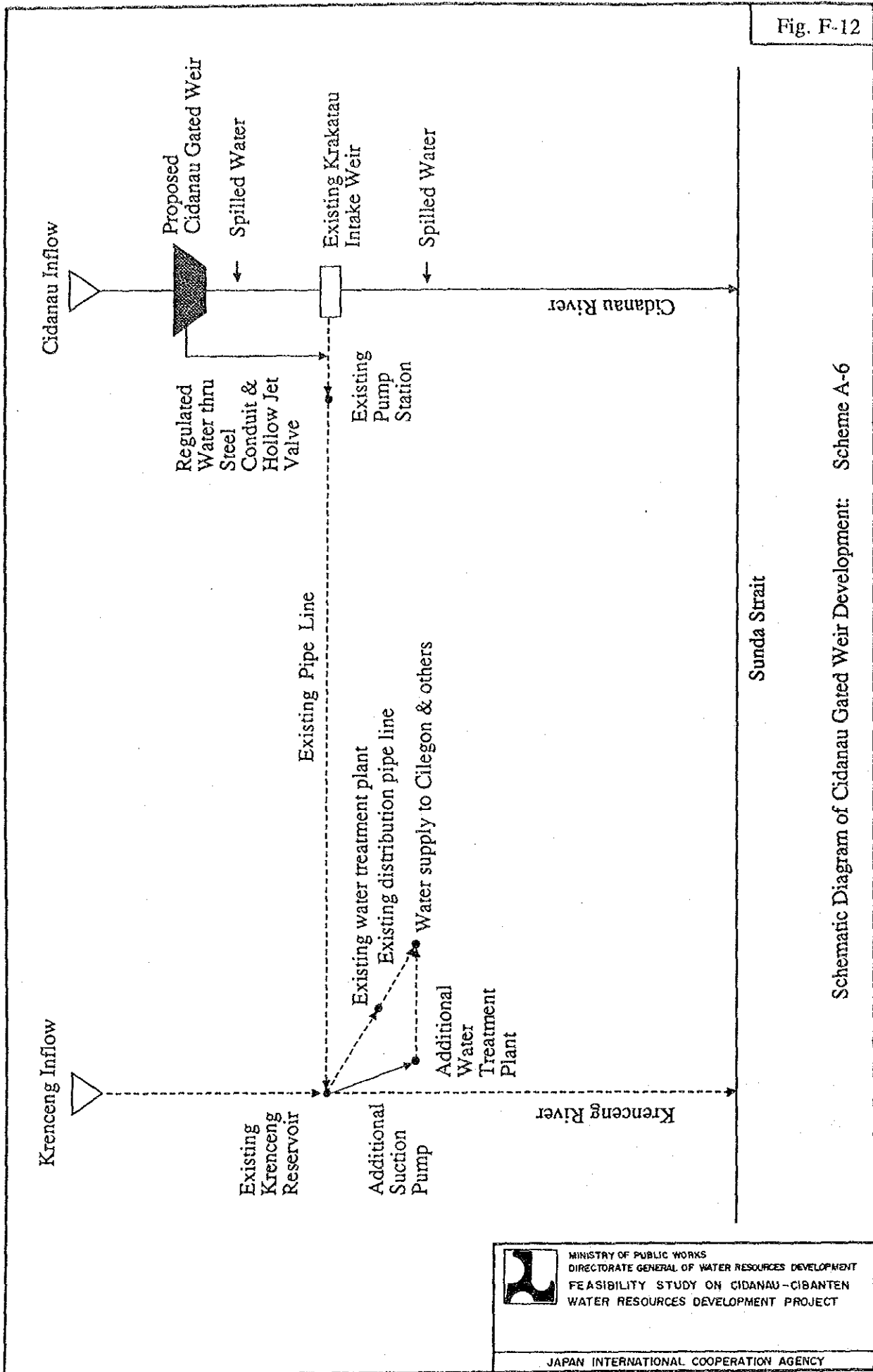


Sunda Strait


Schematic Diagram of Downstream Cidanau Development: Scheme A-3

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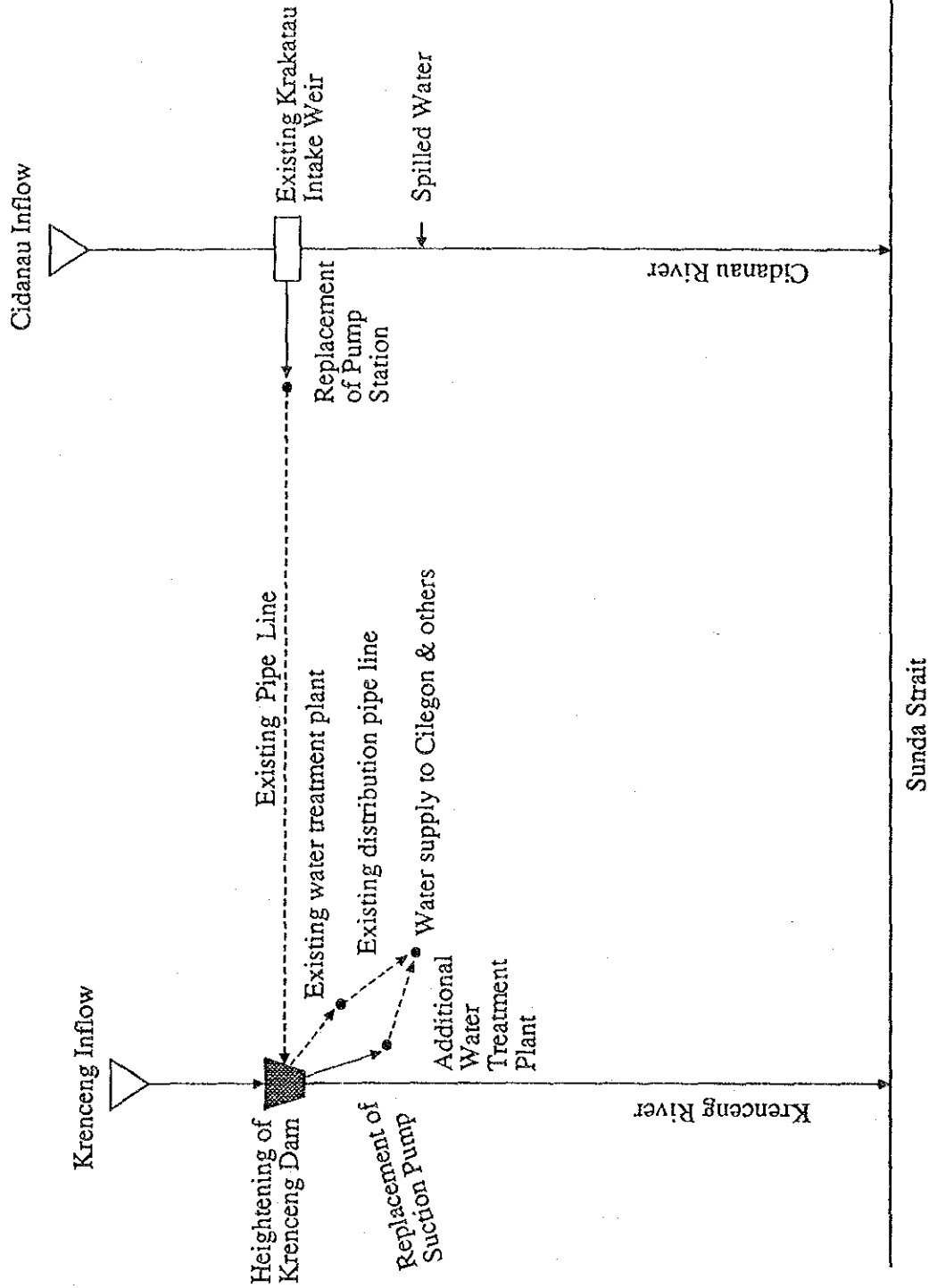
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Schematic Diagram of Cidanau Gated Weir Development: Scheme A-6


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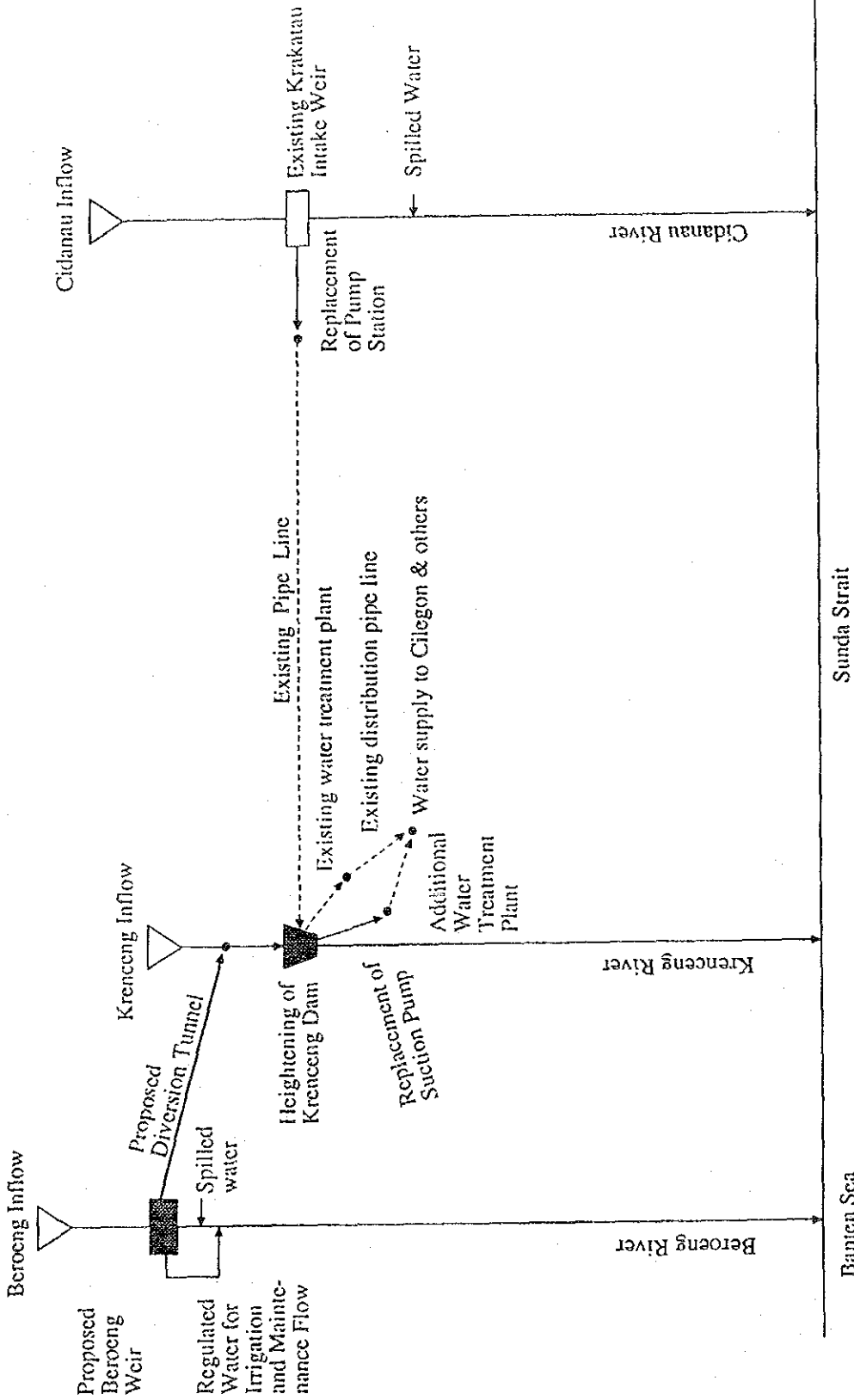
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Schematic Diagram of Heightening of Krenceng Dam without Diversion Tunnel: Scheme K-1

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Schematic Diagram of Heightening of Krenceng Dam with One Diversion Tunnel: Scheme K-2


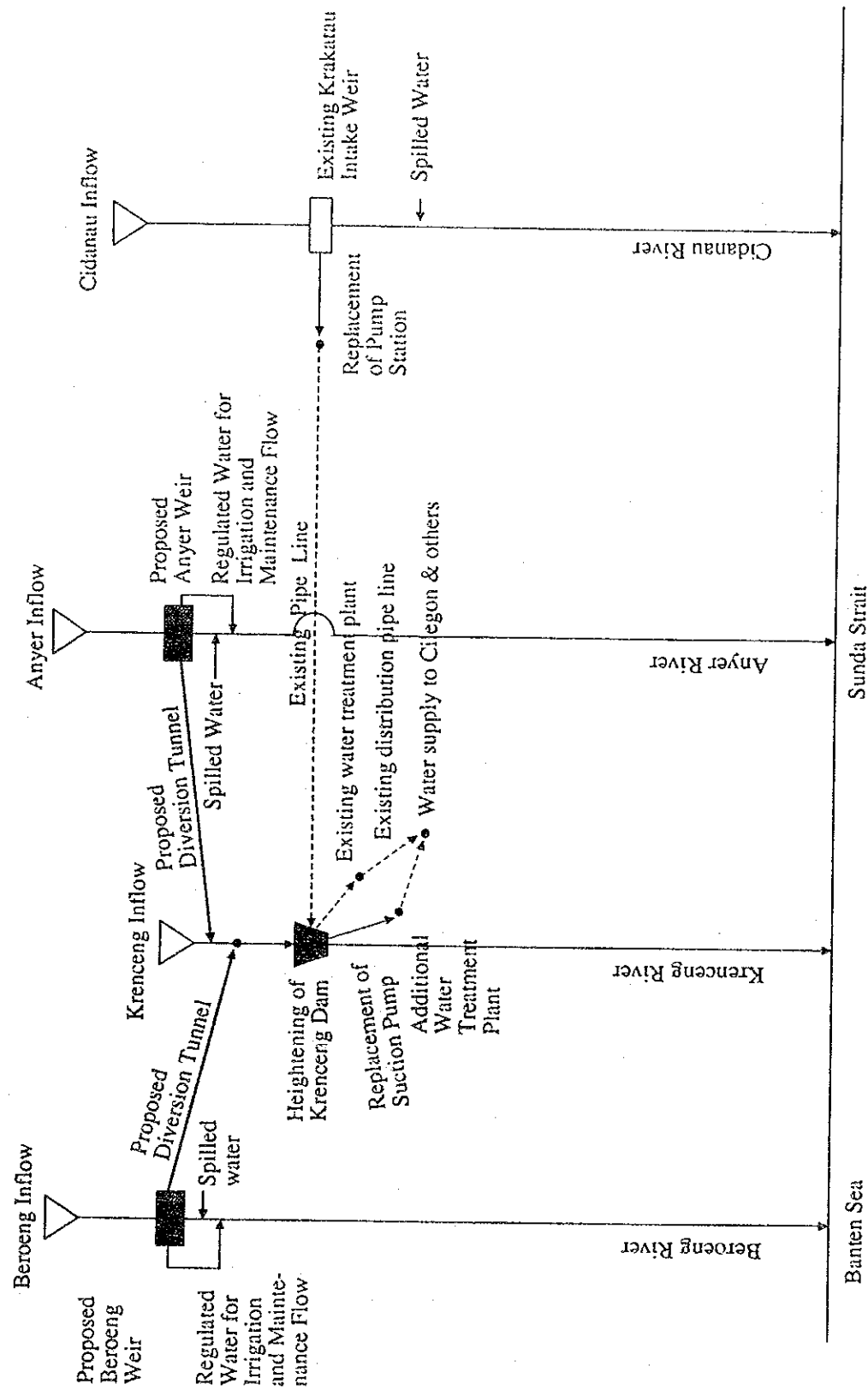


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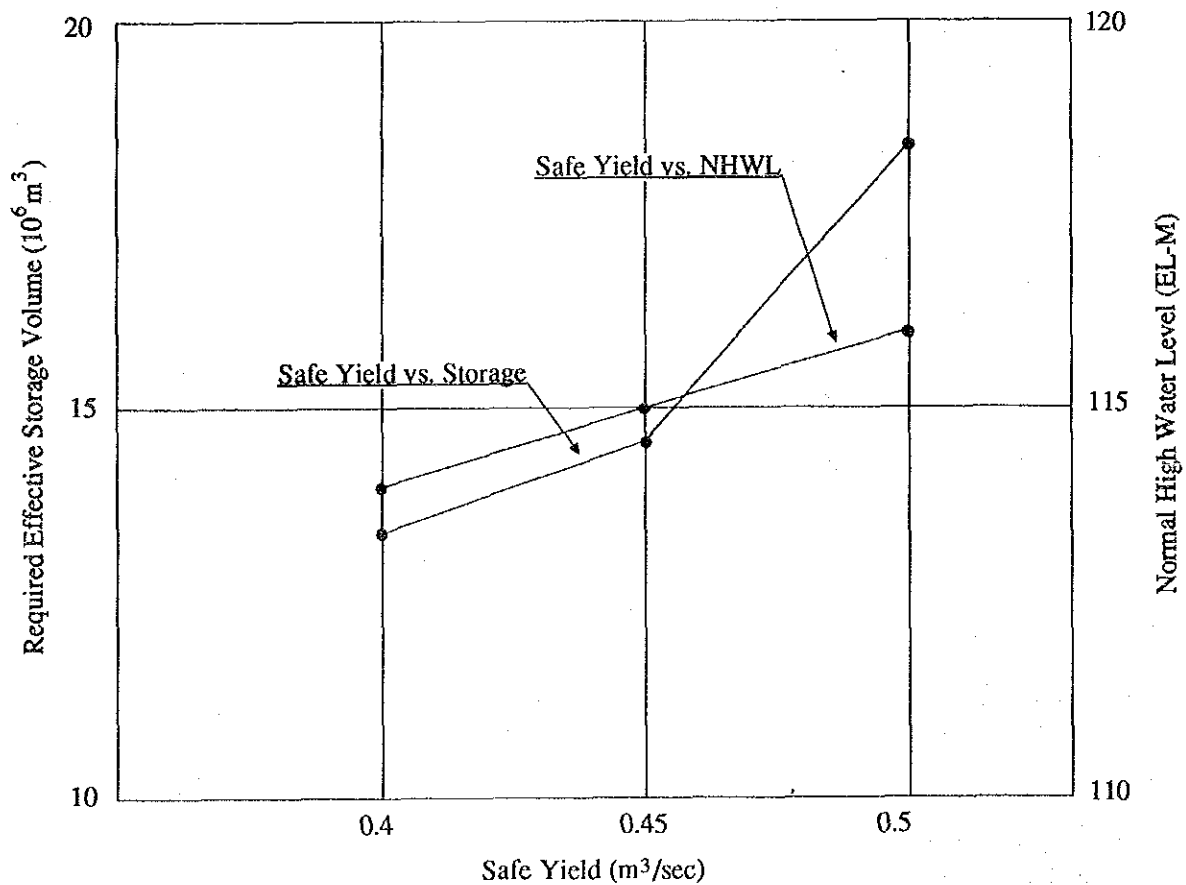
Fig. F-15




Schematic Diagram of Heightening of Krenceng Dam Development with Two Diversion Tunnels: Scheme K-3

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Description	Safe Yield (m ³ /sec)		
	0.4	0.45	0.5
Required effective storage (10 ⁶ m ³)	13.37	14.57	18.61
Design sediment (10 ⁶ m ³)	6.58	6.58	6.58
Gross storage (10 ⁶ m ³)	19.95	21.15	25.9
Normal high water level (EL-M)	114.3	115.0	116.8



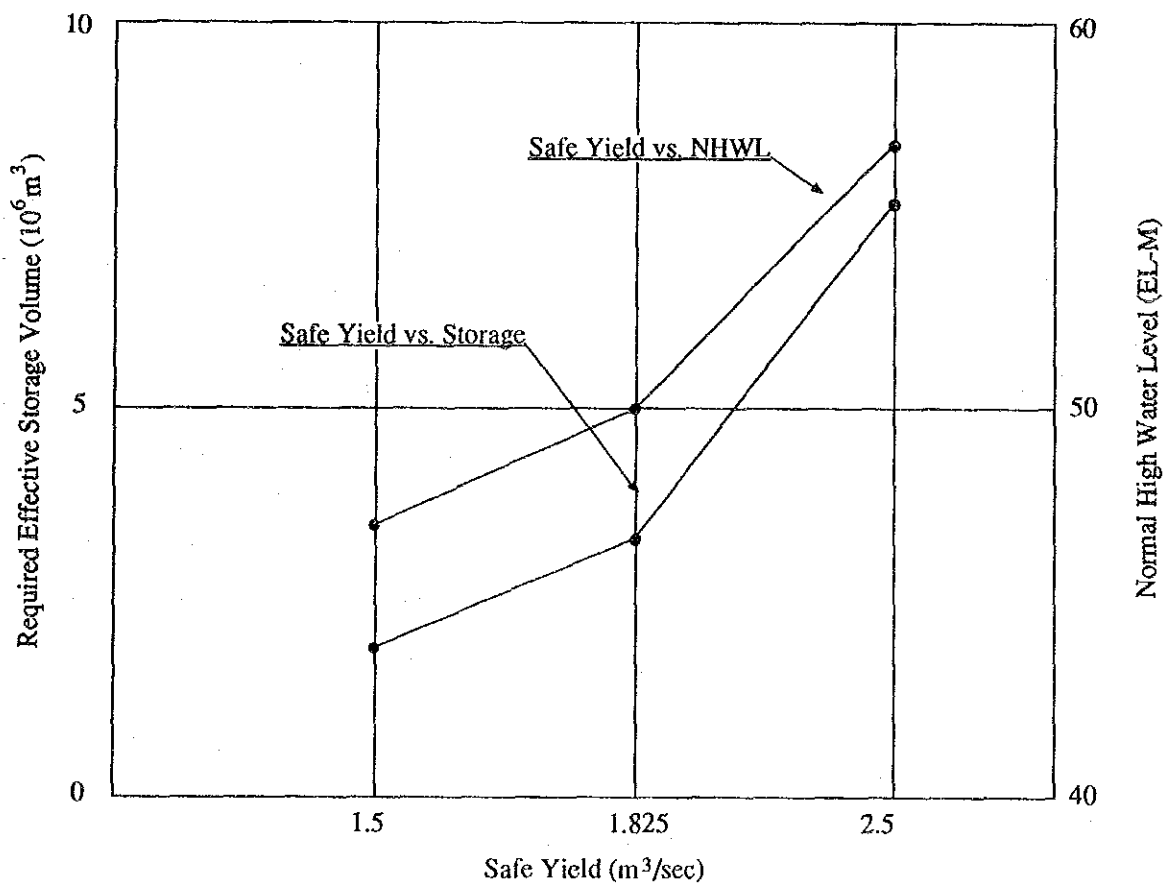
Safe Yield, Required Effective Storage Volume and Normal High Water Level by Scheme A-1


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Fig. F-17

Description	Safe Yield (m ³ /sec)		
	1.5	1.825	2.5
Required effective storage (10 ⁶ m ³)	1.49	2.95	7.54
Design sediment (10 ⁶ m ³)	4.16	4.16	4.16
Gross storage (10 ⁶ m ³)	5.65	7.11	11.7
Normal high water level (EL-M)	47.2	50.0	56.5

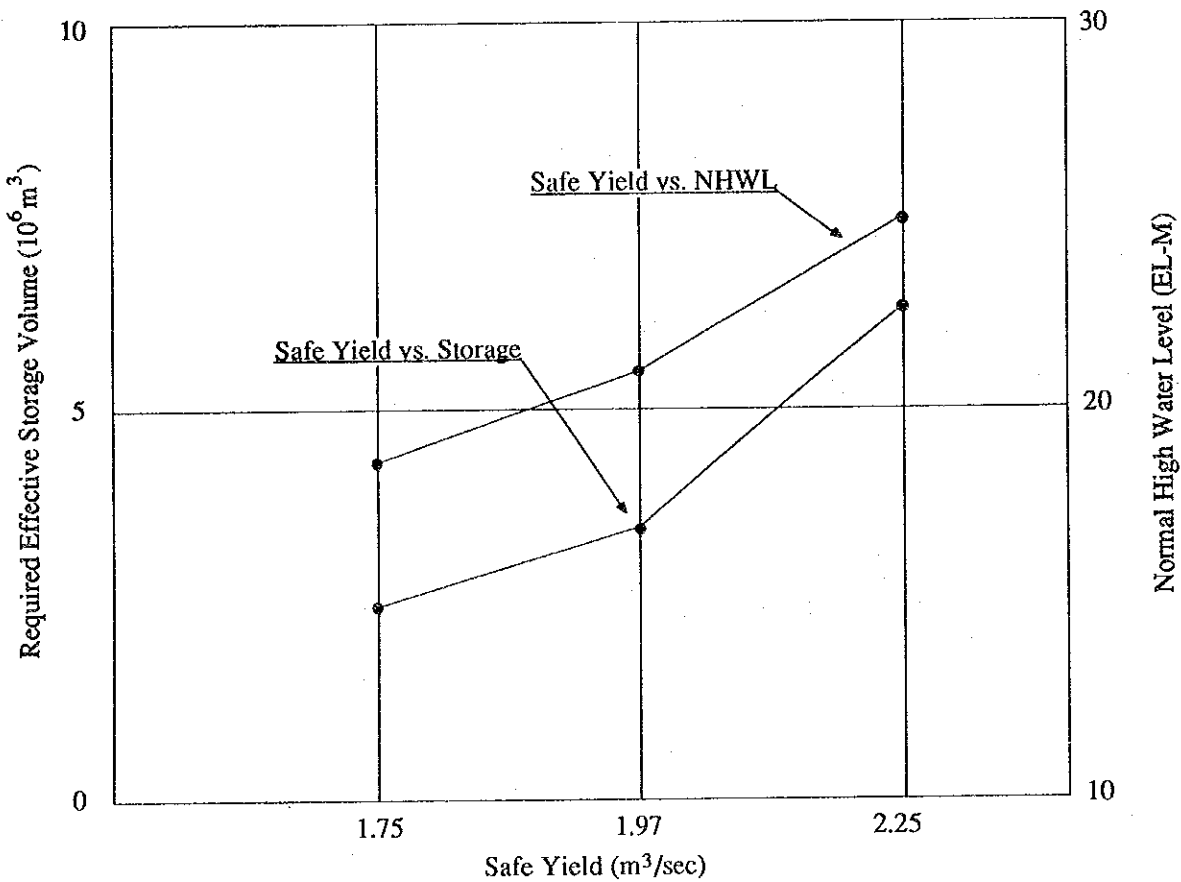


Safe Yield, Required Effective Storage Volume and Normal High Water Level by Scheme A-3


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Description	Safe Yield (m ³ /sec)		
	1.75	1.97	2.25
Required effective storage (10 ⁶ m ³)	2.42	3.46	5.16
Design sediment (10 ⁶ m ³)	-	-	-
Gross storage (10 ⁶ m ³)	2.42	3.46	5.16
Normal high water level (EL-M)	18.3	21.2	24.8



Safe Yield, Required Effective Storage Volume and Normal High Water Level by Scheme A-6

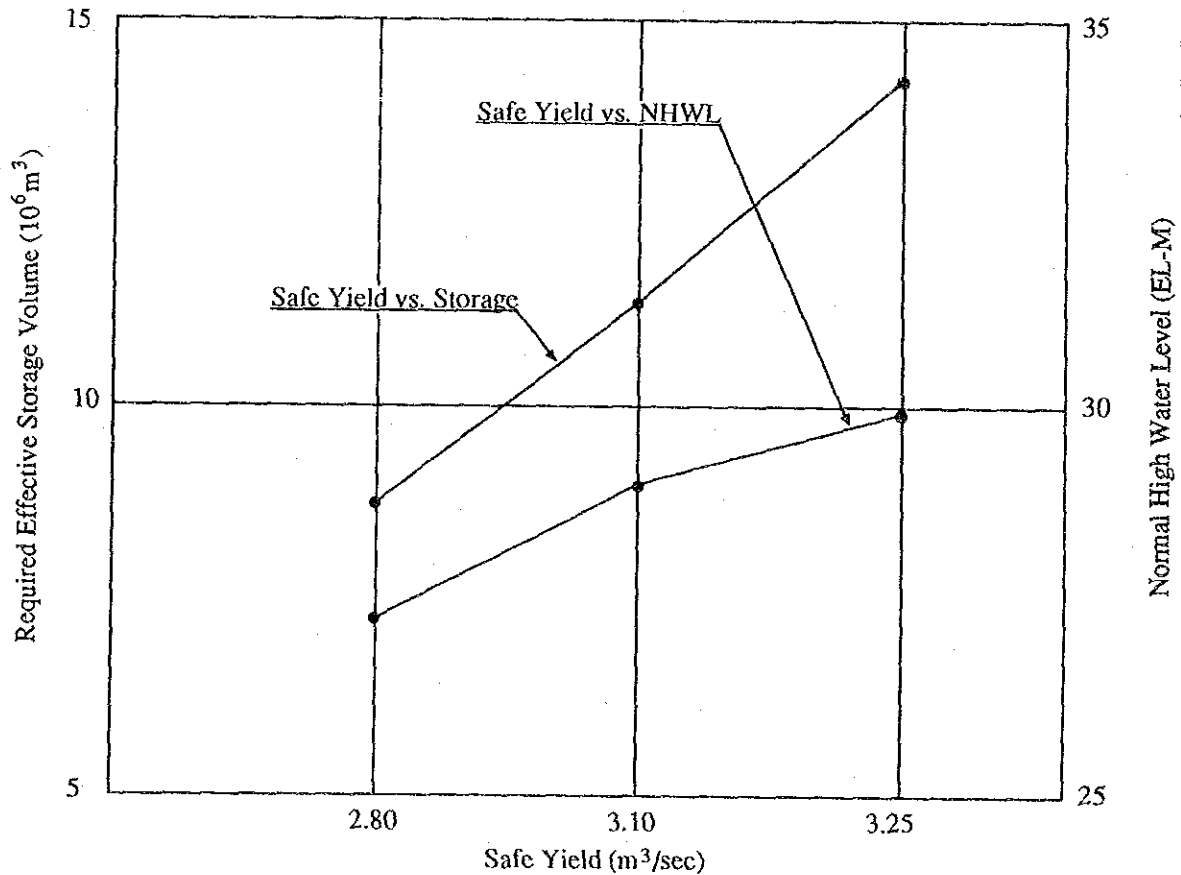


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Fig. F-19

Description	Safe Yield (m ³ /sec)		
	2.80	3.10	3.25
Required effective storage (10 ⁶ m ³)	9.44	12.81	14.56
Design sediment (10 ⁶ m ³)	1.20	1.20	1.20
Gross storage (10 ⁶ m ³)	10.64	14.01	15.76
Normal high water level (EL-M)	27.00	29.00	29.90
Capacity of Krakatau pump station (m ³ /sec)	2.80	3.10	3.25
Annual average water conveyance from Krakatau intake (10 ⁶ m ³ /yr)	74.949	83.72	88.069



Safe Yield, Required Effective Storage Volume and Normal High Water Level by Scheme K-1

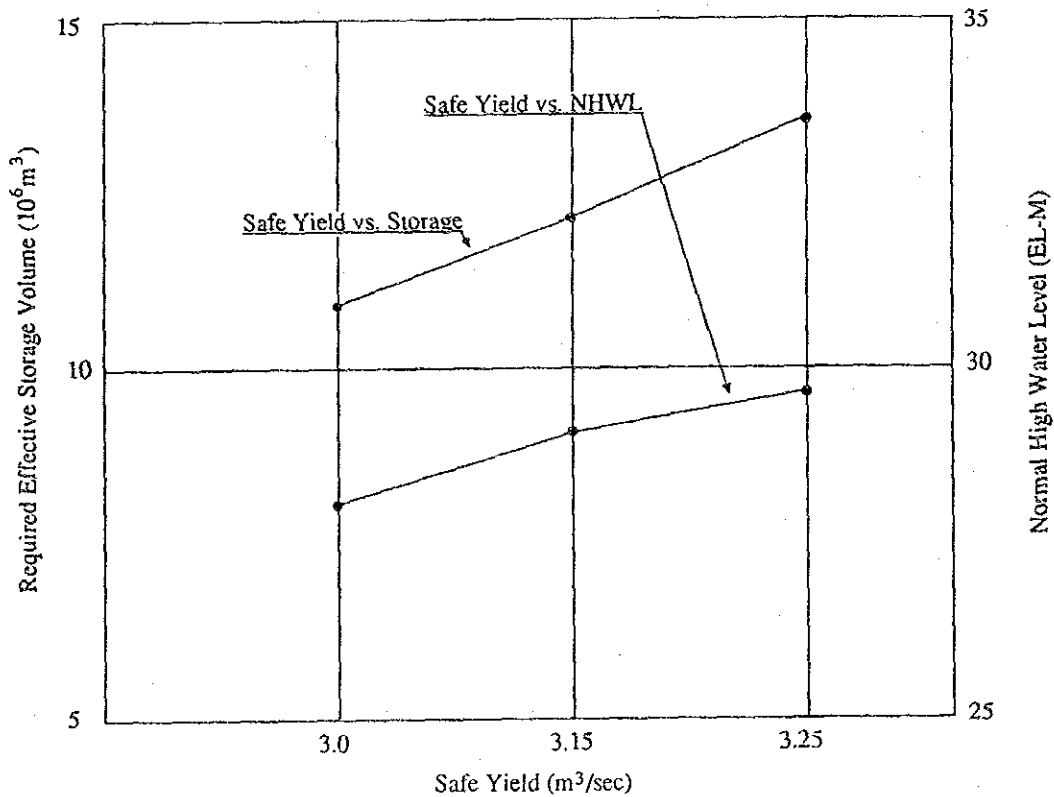


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Fig. F-20

Description	Safe Yield (m ³ /sec)		
	3.0	3.15	3.25
Required effective storage (10 ⁶ m ³)	11.16	12.83	14.02
Design sediment (10 ⁶ m ³)	1.20	1.20	1.20
Gross storage (10 ⁶ m ³)	12.36	14.05	15.22
Normal high water level (EL-M)	28.00	29.00	29.6
Capacity of Krakatau pump station (m ³ /sec)	3.0	3.15	3.25
Annual average water conveyance from Krakatau intake (10 ⁶ m ³ /yr)	72.739	77.238	80.242
Annual average runoff thru Beroeng diverted tunnel	10.062	10.062	10.062



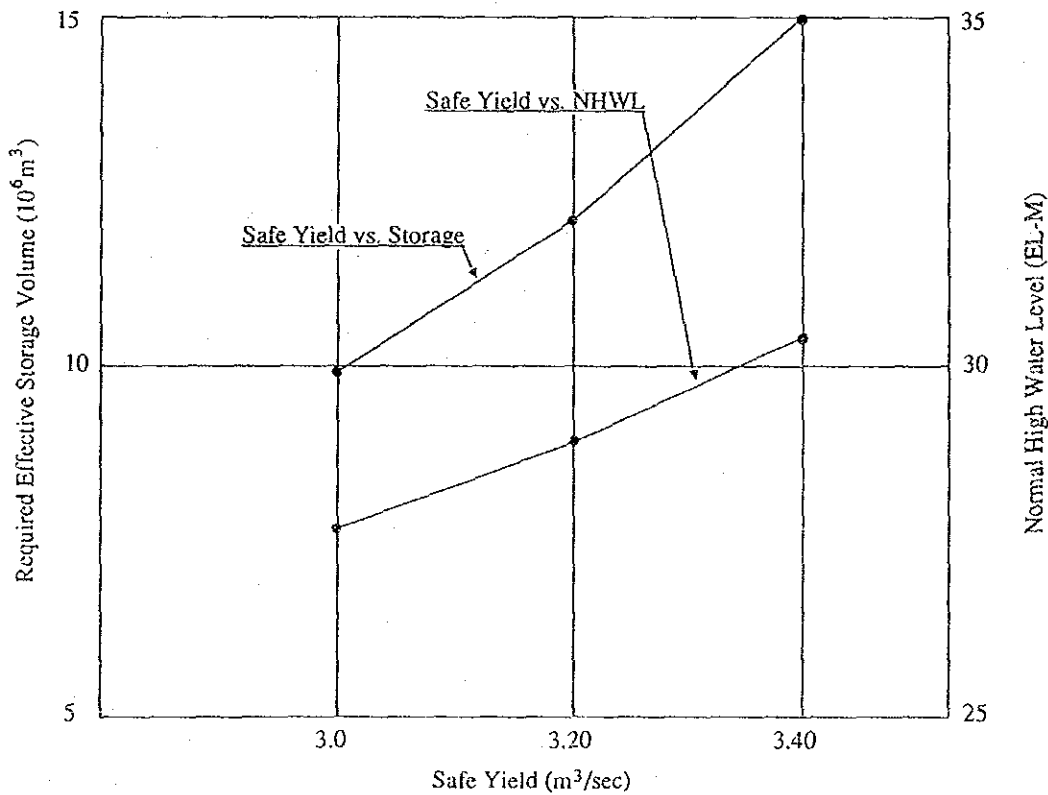
Safe Yield, Required Effective Storage Volume and Normal High Water Level by Scheme K-2

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Fig. F-21

Description	Safe Yield (m ³ /sec)		
	3.0	3.20	3.40
Required effective storage (10 ⁶ m ³)	10.75	12.87	15.13
Design sediment (10 ⁶ m ³)	1.20	1.20	1.20
Gross storage (10 ⁶ m ³)	11.95	14.07	16.33
Normal high water level (EL-M)	27.80	29.00	30.20
Capacity of Krakatau pump station (m ³ /sec)	3.0	3.20	3.4
Annual average water conveyance from Krakatau intake (10 ⁶ m ³ /yr)	61.826	67.462	72.993
Annual average runoff thru Beroeng diverted tunnel	10.062	10.062	10.062
Annual average runoff thru Anyer diverted tunnel	16.266	16.266	16.266



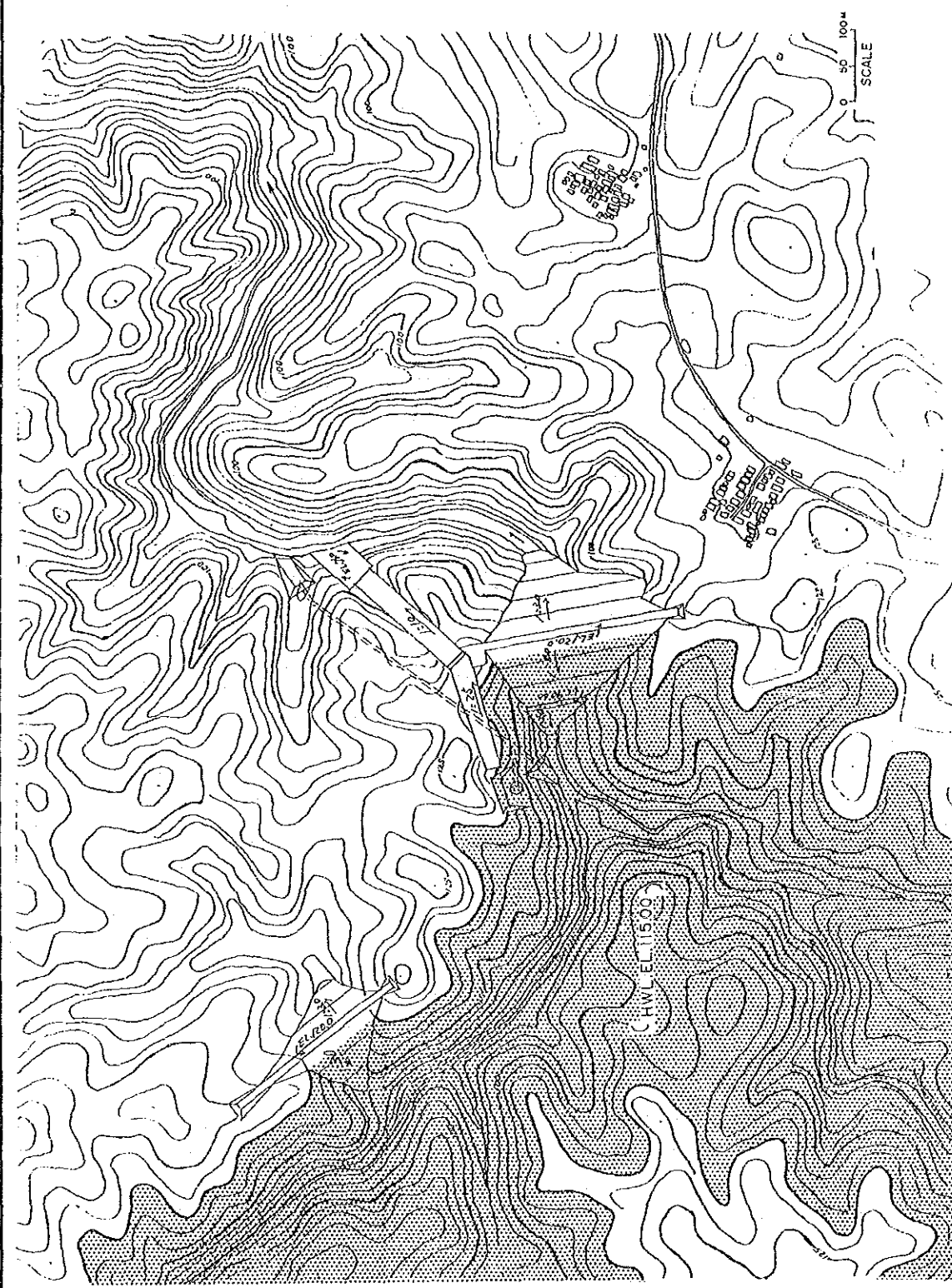
Safe Yield, Required Effective Storage Volume and Normal High Water Level by Scheme K-3



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Fig. F-22



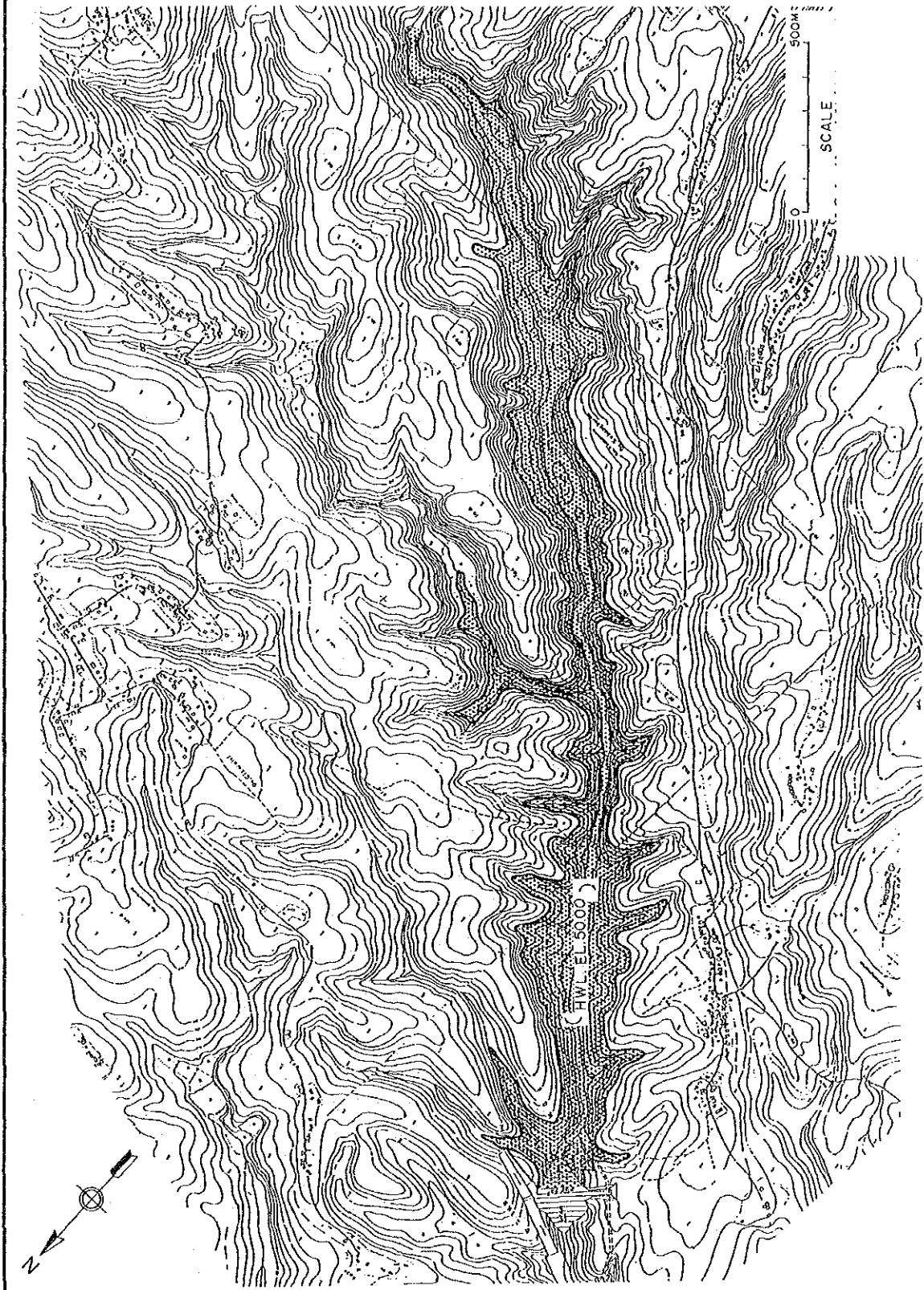
General Plan of Cibanten Dam and Its Reservoir




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Fig. F-23

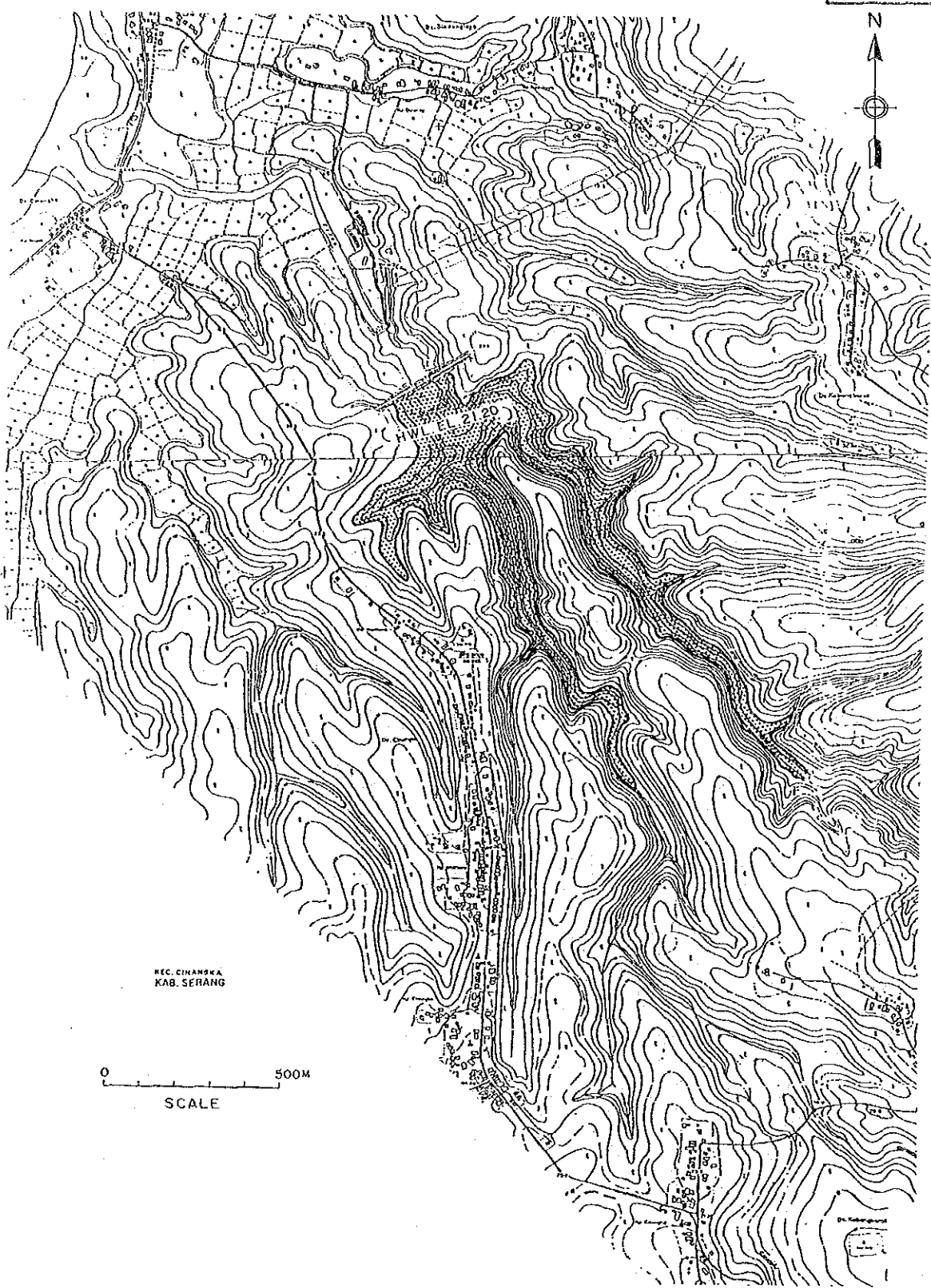


General Plan of Downstream Cidanau Dam and Its Reservoir

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Fig. F-24



REG. CINANSKA
KAB. SERANG

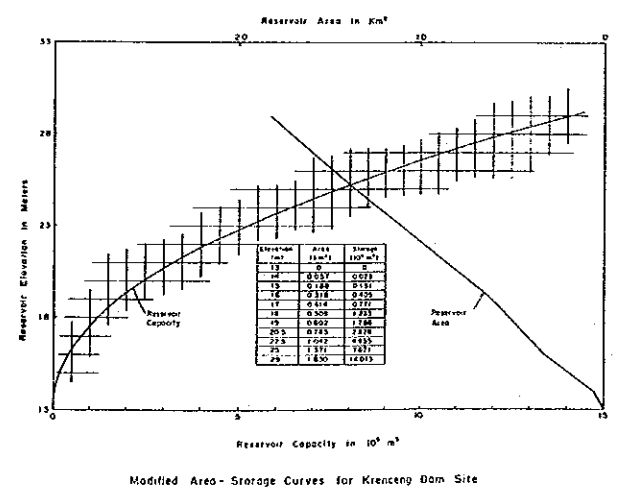
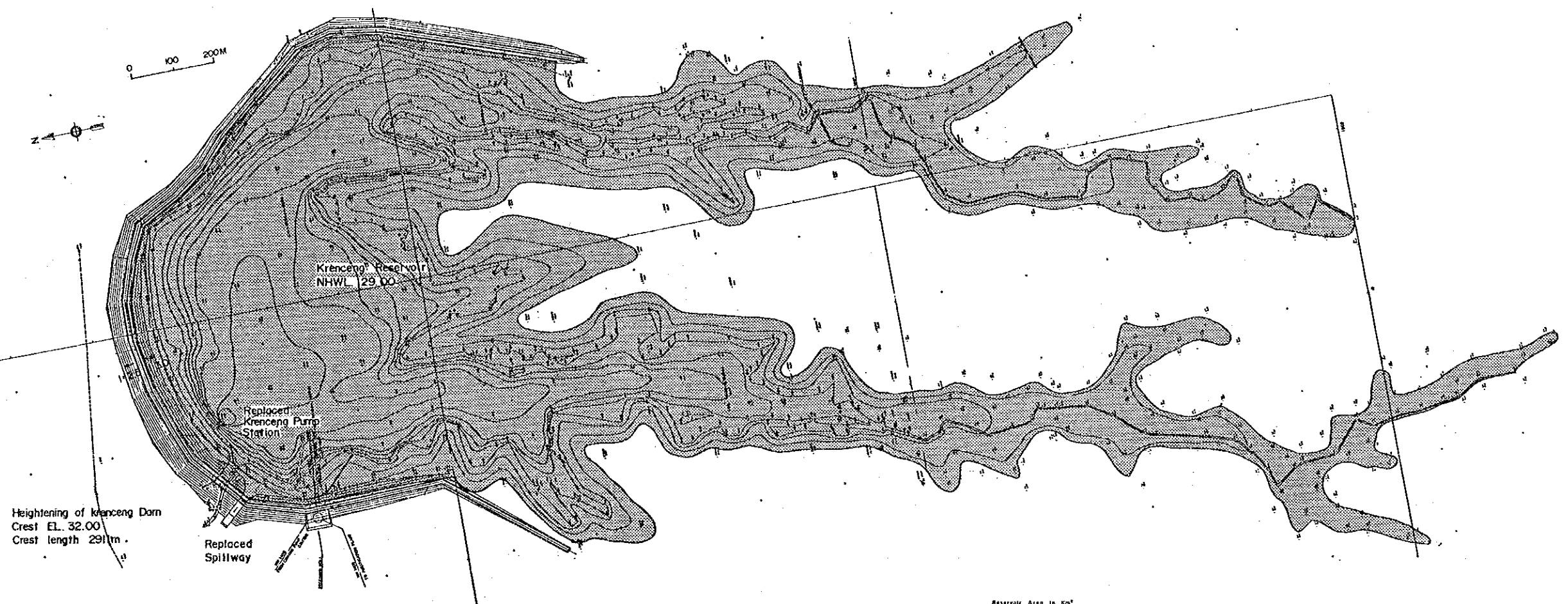
0 500M
SCALE

General Plan of Cidanau Gated Weir and Its Reservoir



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General Plan of Heightening of Krenceng Dam and Its Reservoir


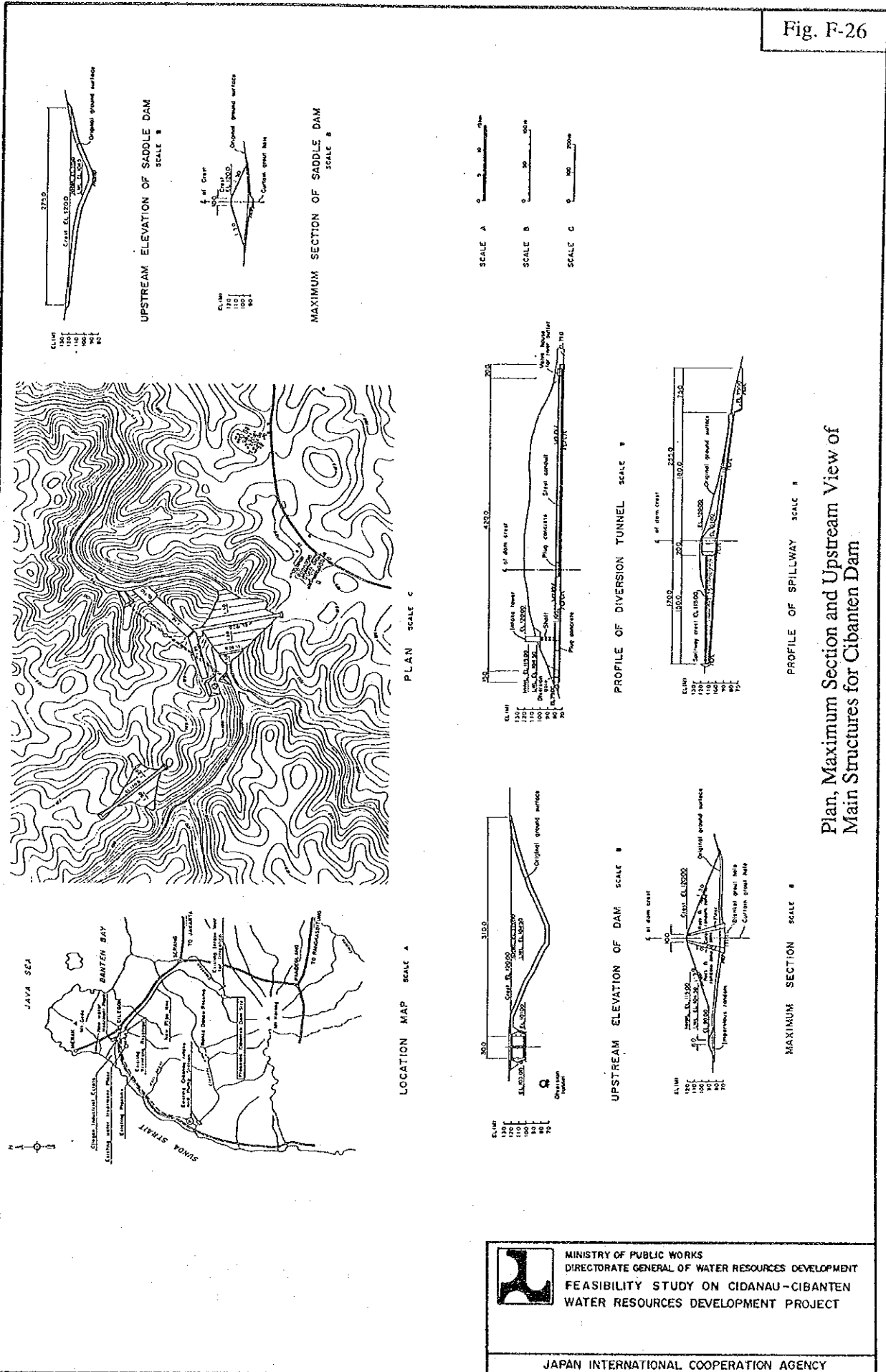


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FEASIBILITY STUDY ON CIDANAU-CIBANTEN
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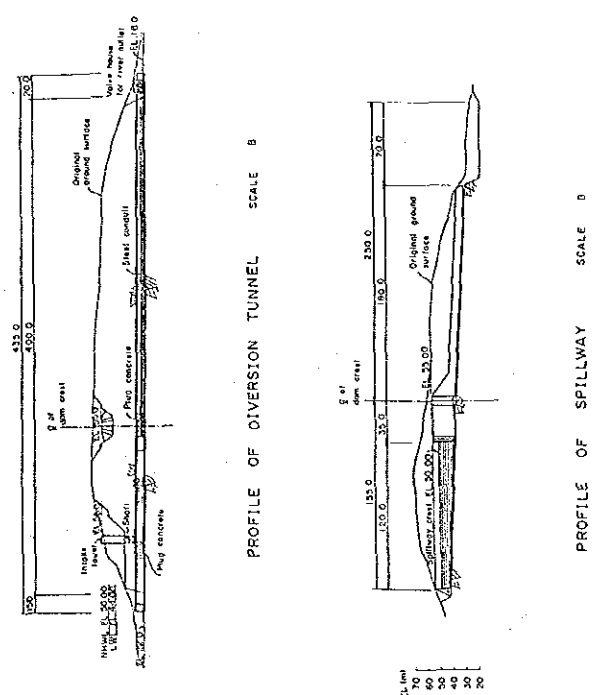
Fig. F-26



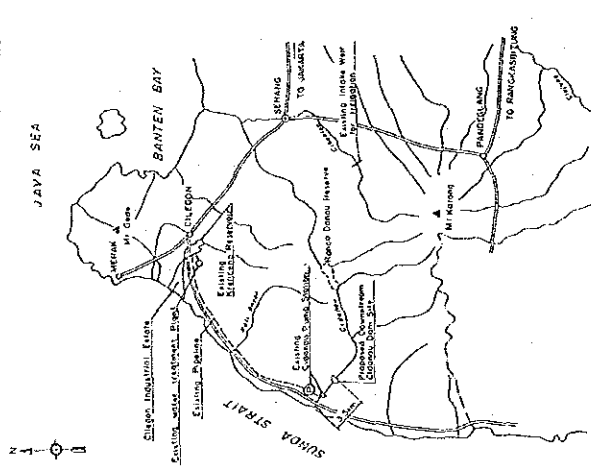
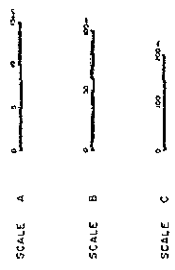
Plan, Maximum Section and Upstream View of Main Structures for Cibanant Dam


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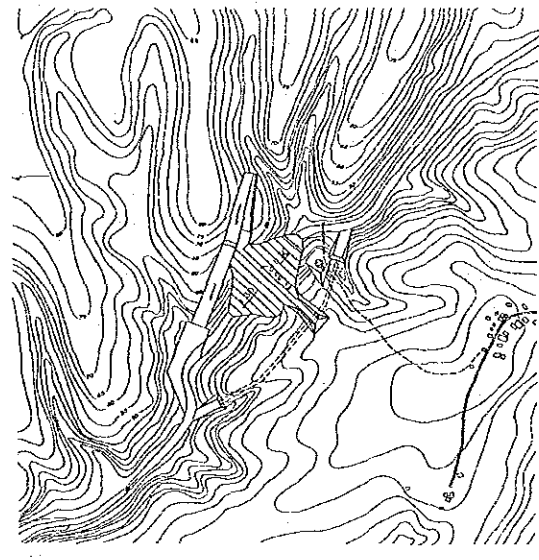
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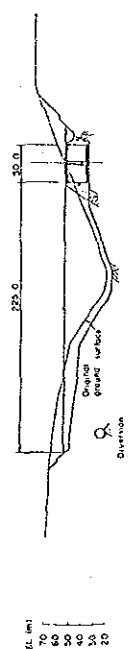
PROFILE OF DIVERSION TUNNEL SCALE B



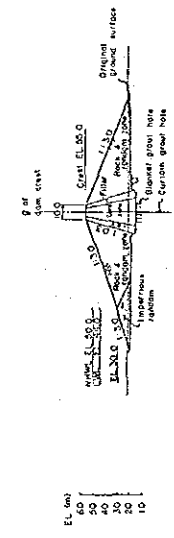
LOCATION MAP SCALE A



PROFILE OF SPILLWAY SCALE B



UPSTREAM ELEVATION OF DAM SCALE B



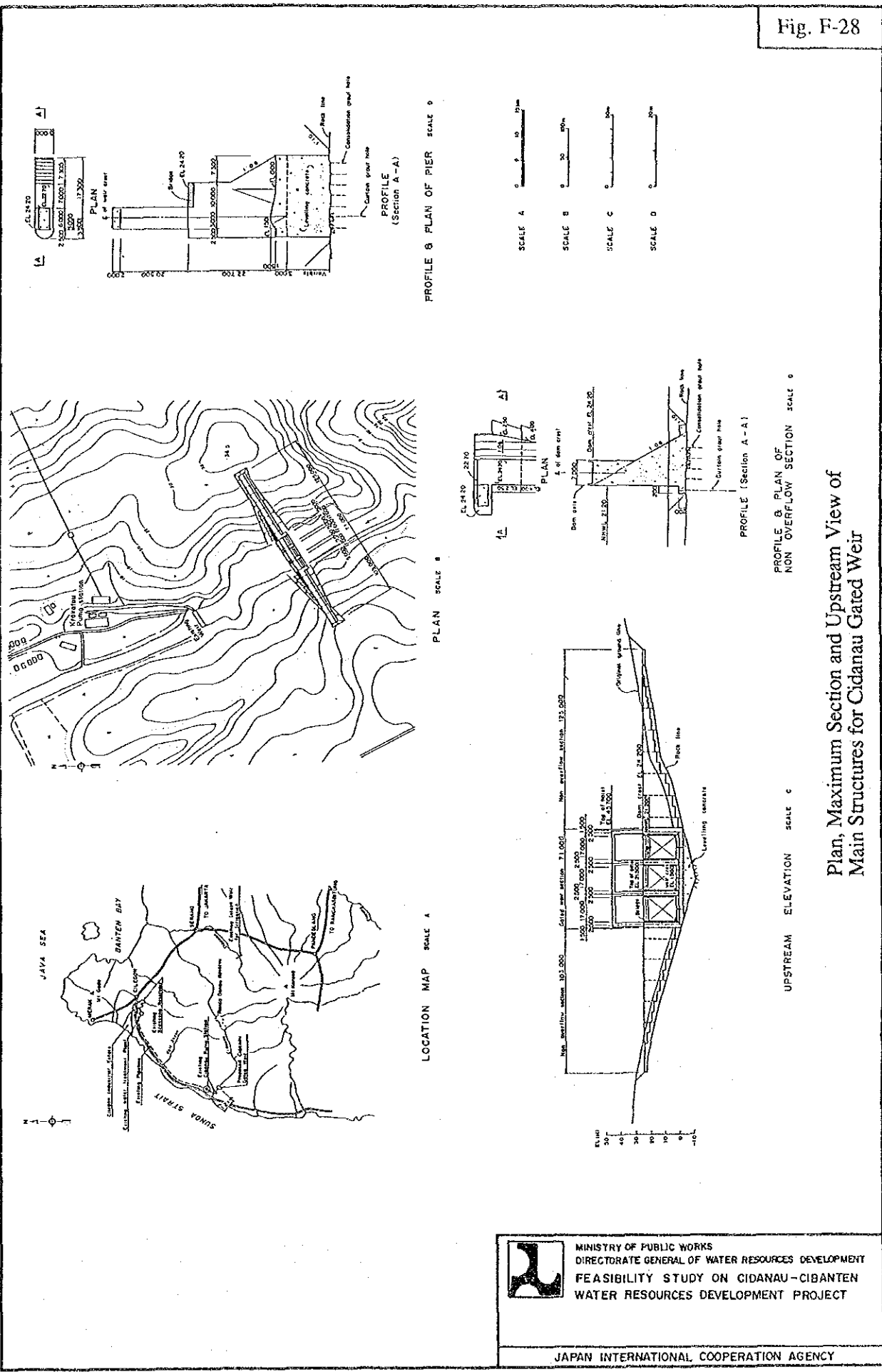
MAXIMUM SECTION SCALE B

PLAN SCALE C

Plan, Maximum Section and Upstream View of Main Structures for Downstream Cidanau Dam

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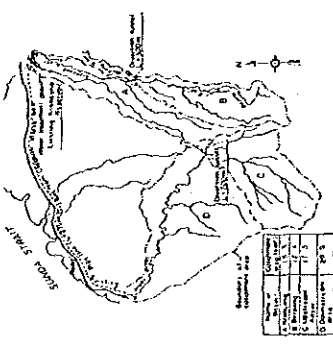


Plan, Maximum Section and Upstream View of Main Structures for Cidanau Gated Weir

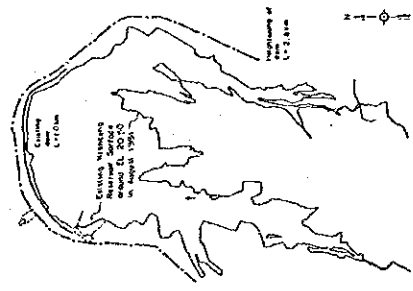
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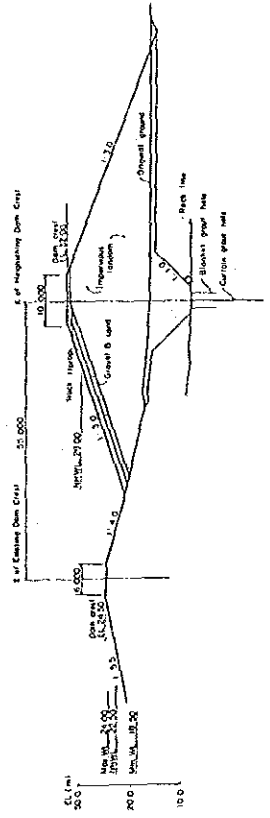
Fig. F-29



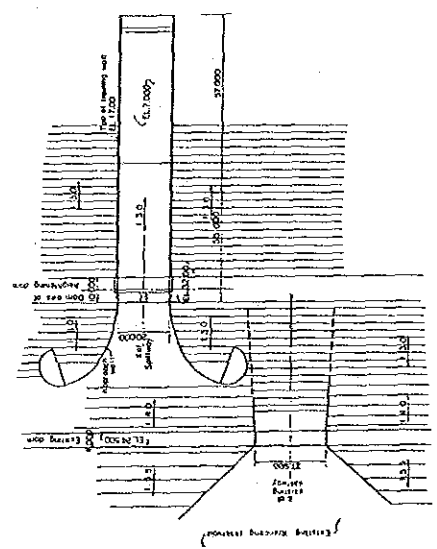
LOCATION MAP SCALE A



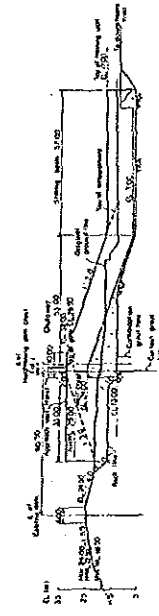
PLAN OF DAM CREST OF HEIGHTENING DAM SCALE B



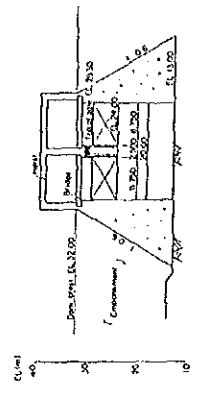
PROFILE OF HEIGHTENING DAM SCALE C



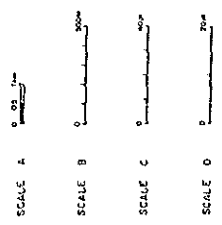
PLAN OF SPILLWAY SCALE C



PROFILE OF SPILLWAY SCALE C



UPSTREAM VIEW OF SPILLWAY SCALE D

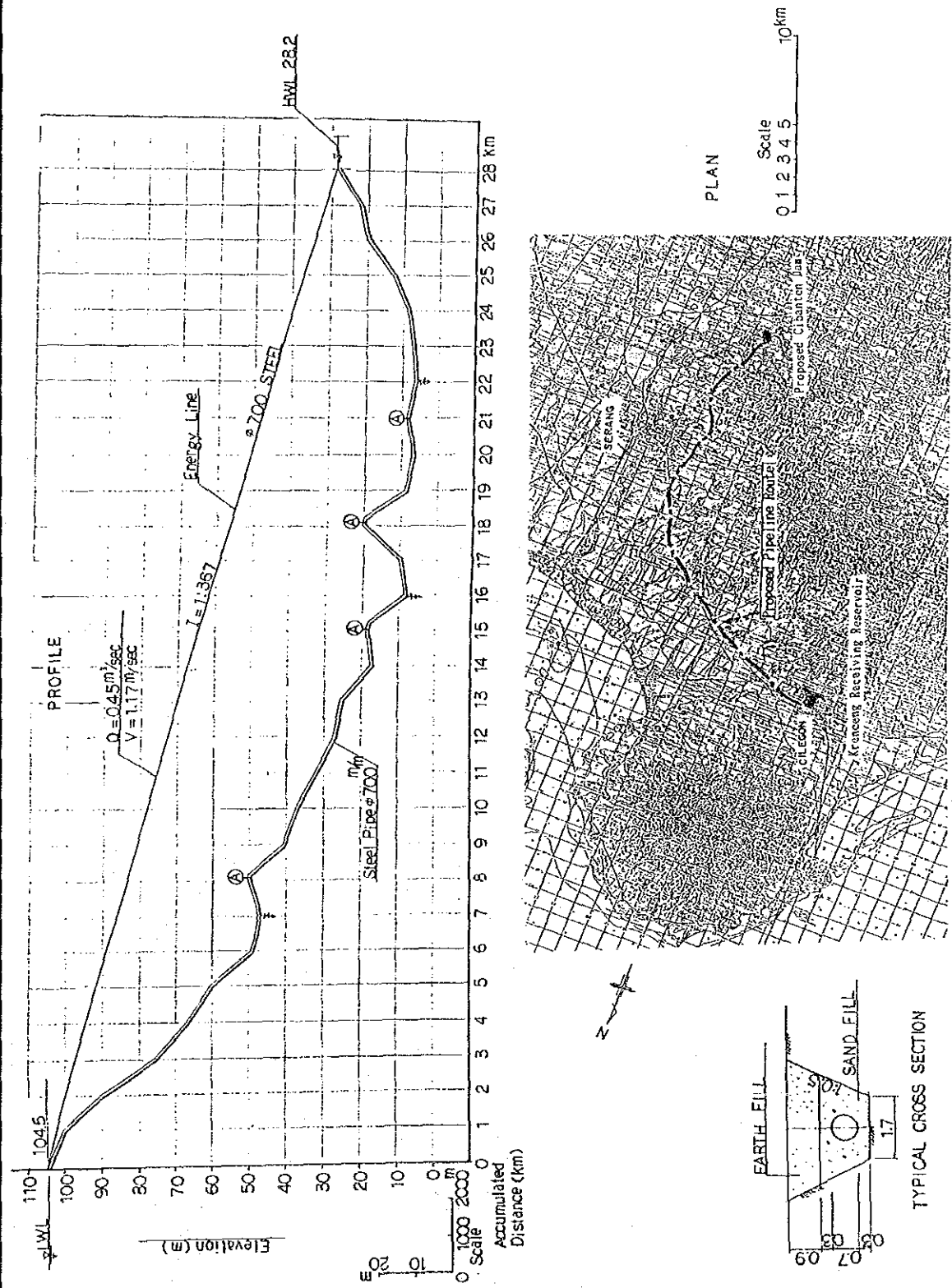


Plan, Maximum Section and Upstream View of Main Structures for Heightening of Krenceng Dam


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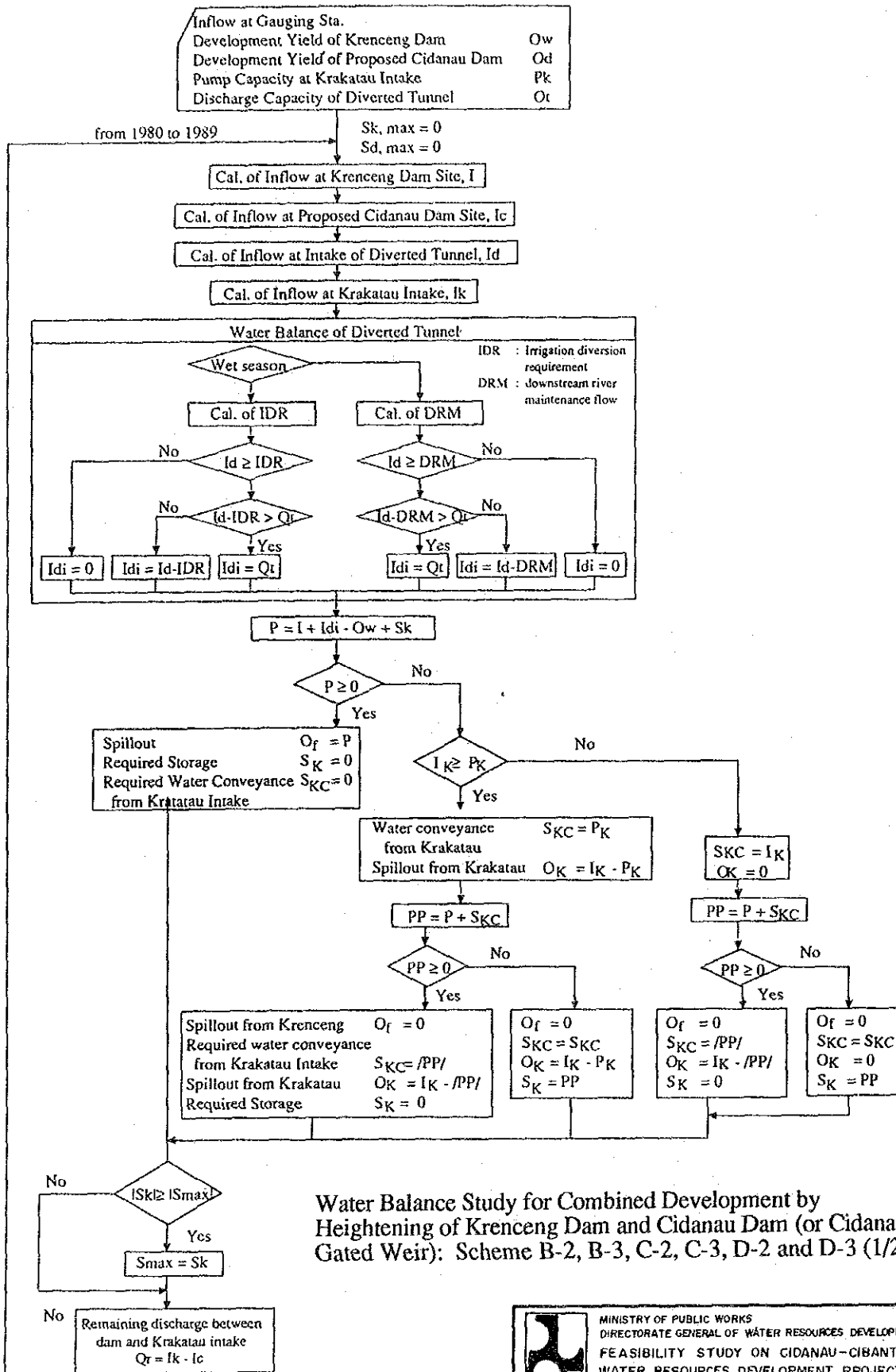
Fig. F-30



Plan and Profile of Conveyance from Proposed Cibanten Dam to Krenceng Receiving Reservoir


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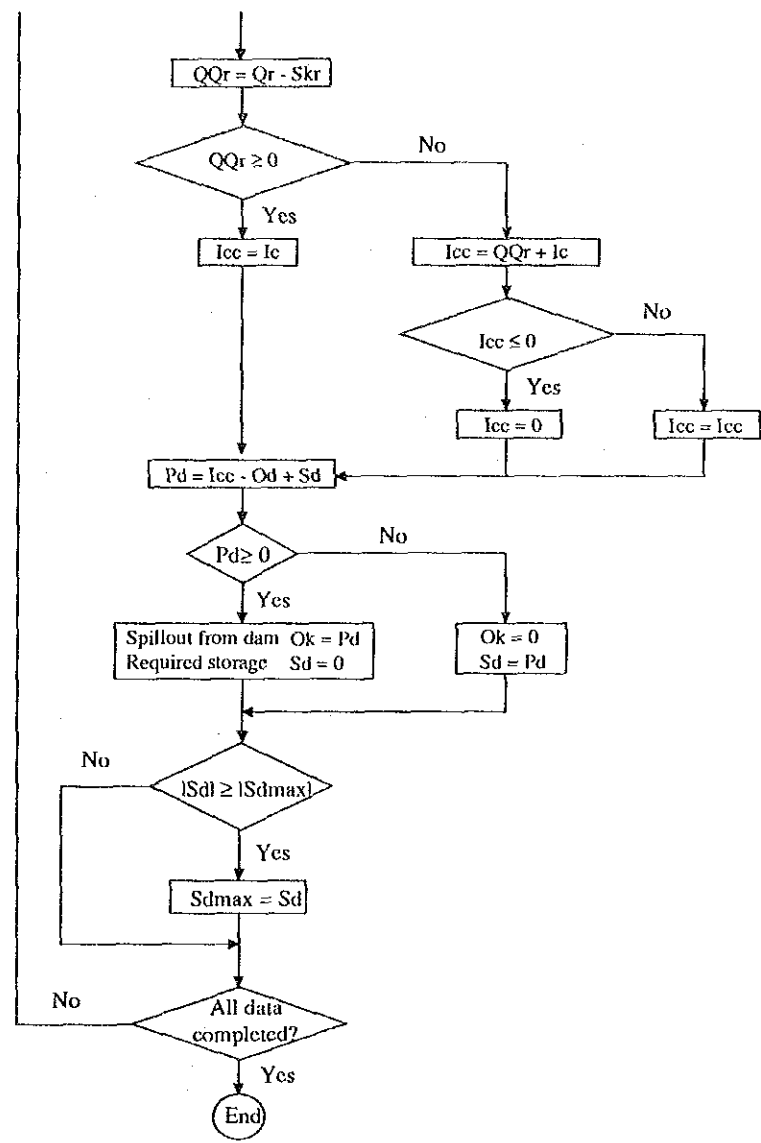
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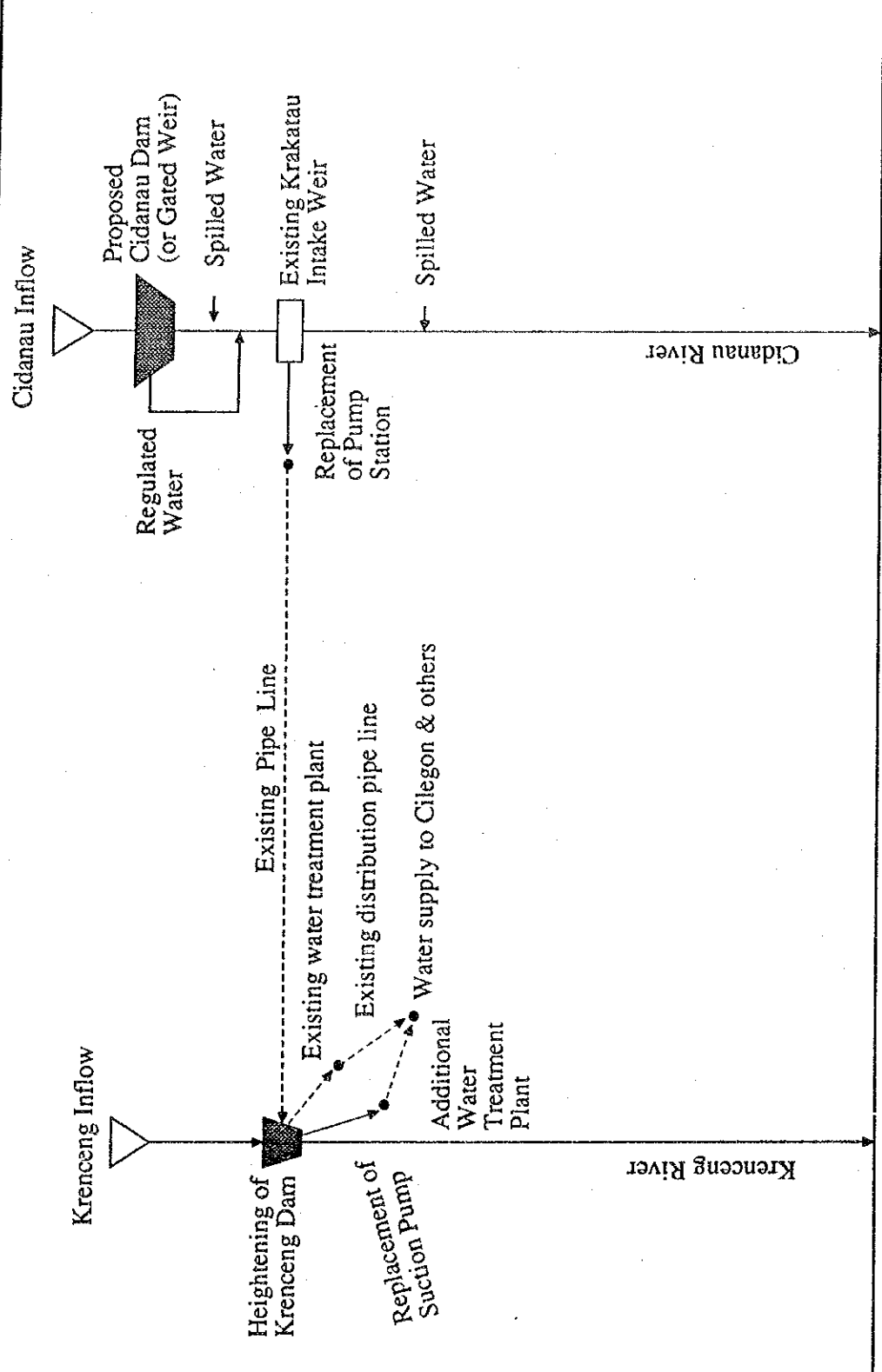
Water Balance Study for Combined Development by Heightening of Krenceng Dam and Cidanau Dam (or Cidanau Gated Weir): Scheme B-2, B-3, C-2, C-3, D-2 and D-3 (1/2)

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Water Balance Study for Combined Development by Heightening of Krenceng Dam and Cidanau Dam (or Cidanau Gated Weir): Scheme B-2, B-3, C-2, C-3, D-2 and D-3 (2/2)

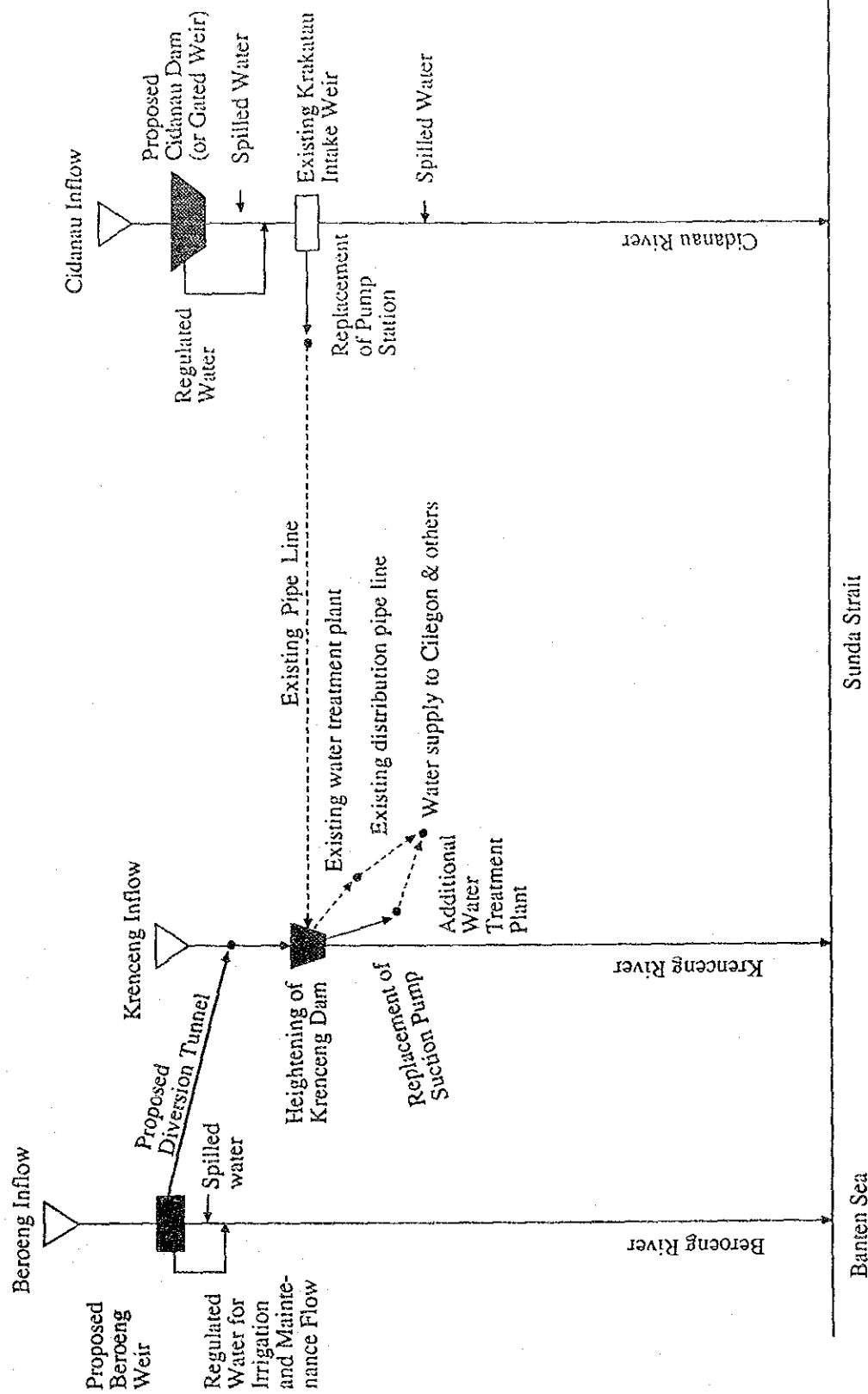


Schematic Diagram of Combined Development by Heightening of Krenceng Dam without Diversion Tunnel and Proposed Cidanau Dam (or Cidanau Gated Weir): Scheme B-2 and B-3


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Fig. F-33



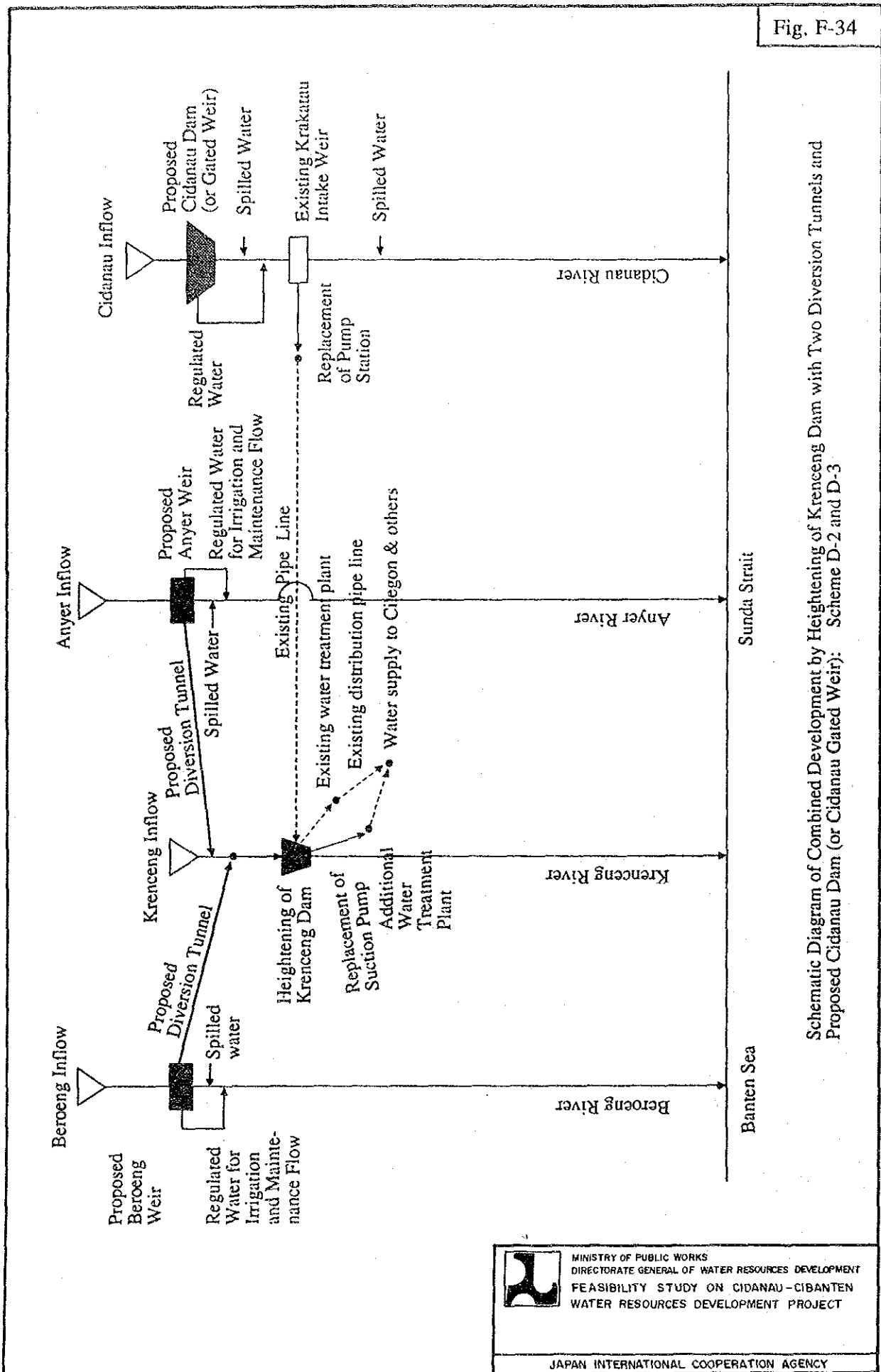
Schematic Diagram of Combined Development by Heightening of Krenceng Dam with Diversion Tunnel and Proposed Cidanau Dam (or Cidanau Gated Weir): Scheme C-2 and C-3



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Fig. F-34



Schematic Diagram of Combined Development by Heightening of Kręceng Dam with Two Diversion Tunnels and Proposed Cidanau Dam (or Cidanau Gated Weir): Scheme D-2 and D-3



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Specified Conditions

Scheme of Heightening Krenceng dam : K-1
 Scheme to be combined : A-3
 Development Yield of Heightening Krenceng dam (cms) : 3.10
 Capacity of Krakatau pump station (cms) : 3.10
 Annual average water conveyance from Krakatau intake ($10^6\text{m}^3/\text{yr}$) : 83.722

Description	Safe Yield of Scheme A-3		
	0.2	0.29	0.5
Required effective storage (10^6m^3)	2.00	2.92	5.14
Design sediment (10^6m^3)	4.16	4.16	4.16
Gross storag (10^6m^3)	6.16	7.08	9.30
Normal high water level (EL-M)	48.1	50.0	53.1

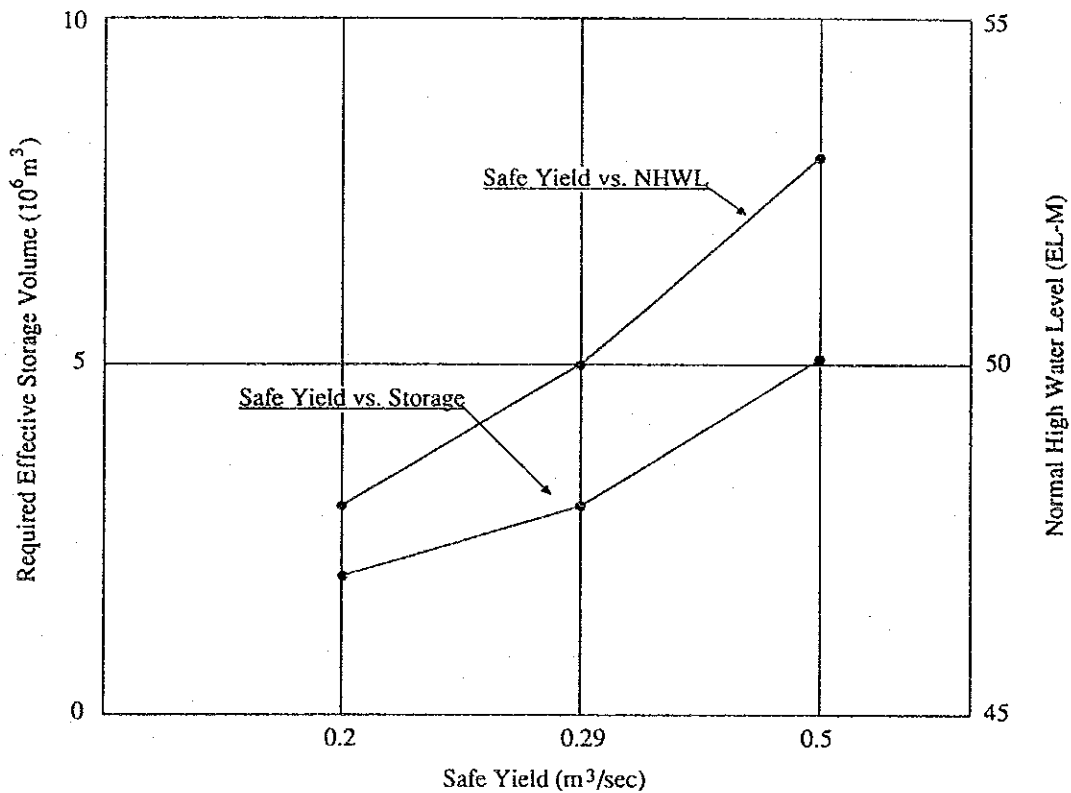



Fig. Safe Yield, Required Effective Storage Volume and Normal High Water Level by Scheme B-2

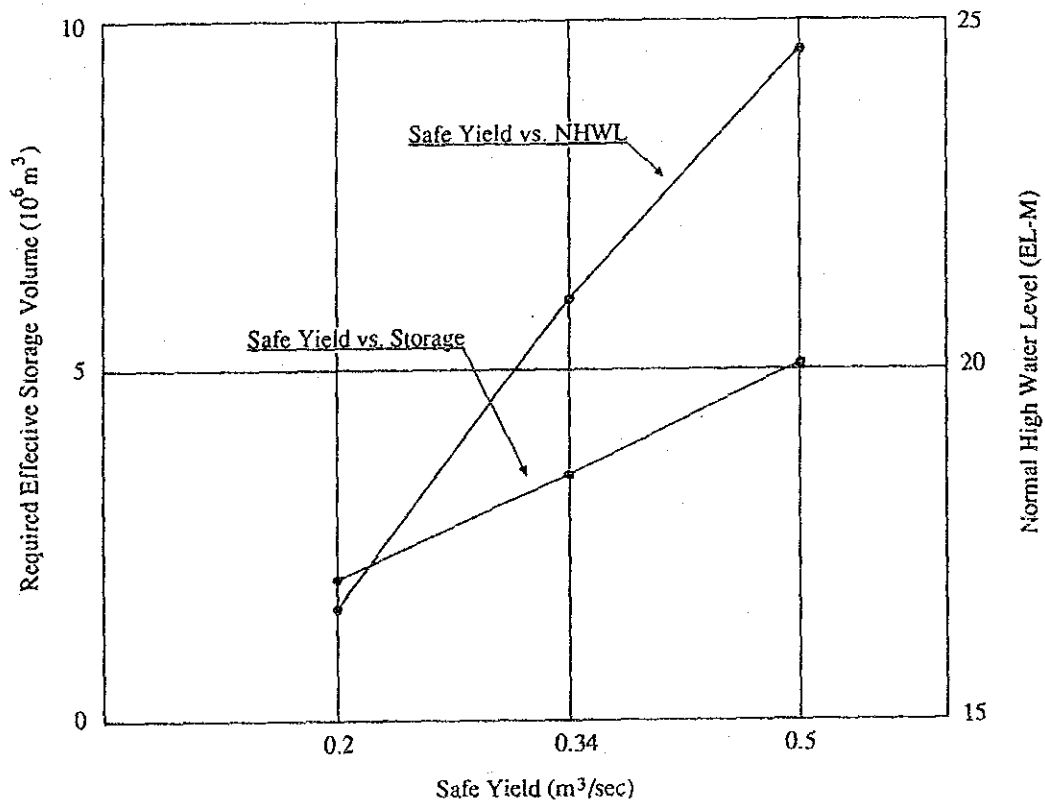

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Specified Conditions

Scheme of Heightening Krenceng dam : K-1
 Scheme to be combined : A-6
 Development Yield of Heightening Krenceng dam (cms) : 3.10
 Capacity of Krakatau pump station (cms) : 3.10
 Annual average water conveyance from Krakatau intake ($10^6\text{m}^3/\text{yr}$) : 83.722

Description	Safe Yield of Scheme A-6		
	0.2	0.340	0.5
Required effective storage (10^6m^3)	2.00	3.44	5.14
Design sediment (10^6m^3)	-	-	-
Gross storag (10^6m^3)	2.00	3.44	5.14
Normal high water level (EL-M)	16.6	21.2	24.5



Safe Yield, Required Effective Storage Volume and Normal High Water Level by Scheme B-3

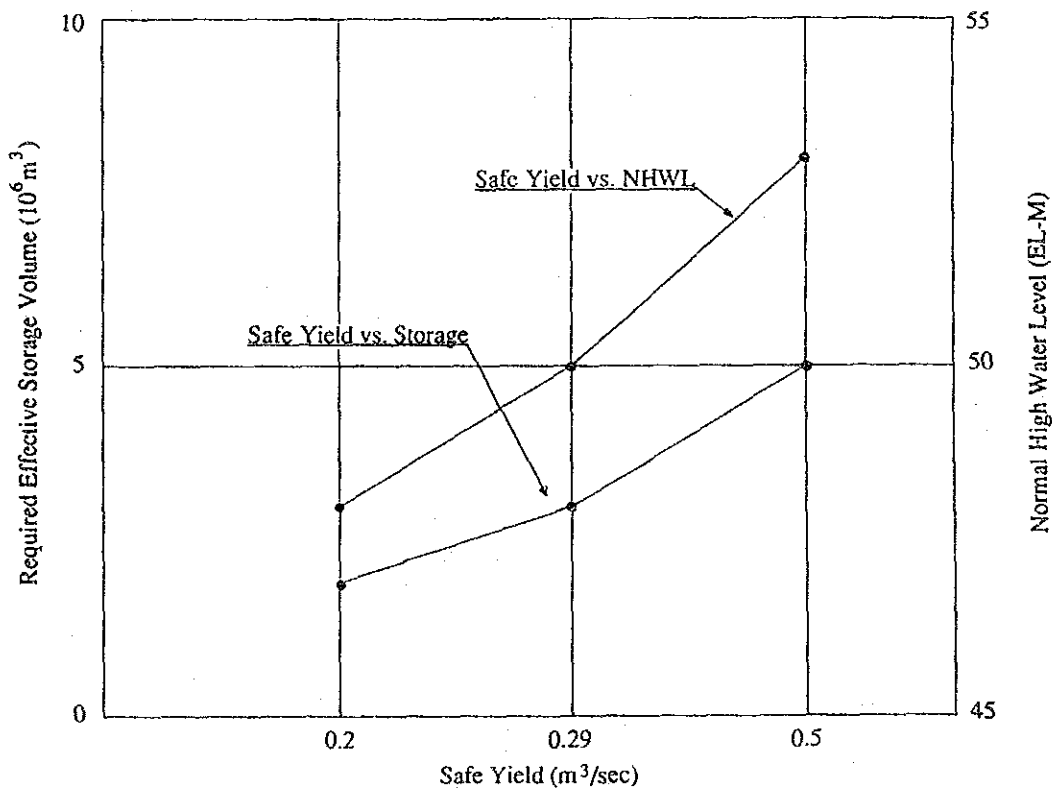

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Specified Conditions

Scheme of Heightening Krenceng dam : K-2
 Scheme to be combined : A-3
 Development Yield of Heightening Krenceng dam (cms) : 3.15
 Capacity of Krakatau pump station (cms) : 3.15
 Annual average water conveyance from Krakatau intake ($10^6\text{m}^3/\text{yr}$) : 77.238
 Annual average runoff thru Beroeng diverted tunnel ($10^6\text{m}^3/\text{yr}$) : 10.062

Description	Safe Yield of Scheme A-3		
	0.2	0.29	0.5
Required effective storage (10^6m^3)	2.03	2.95	5.156
Design sediment (10^6m^3)	4.16	4.16	4.16
Gross storage (10^6m^3)	6.19	7.11	9.34
Normal high water level (EL-M)	48.2	50.0	53.2



Safe Yield, Required Effective Storage Volume and Normal High Water Level by Scheme C-2



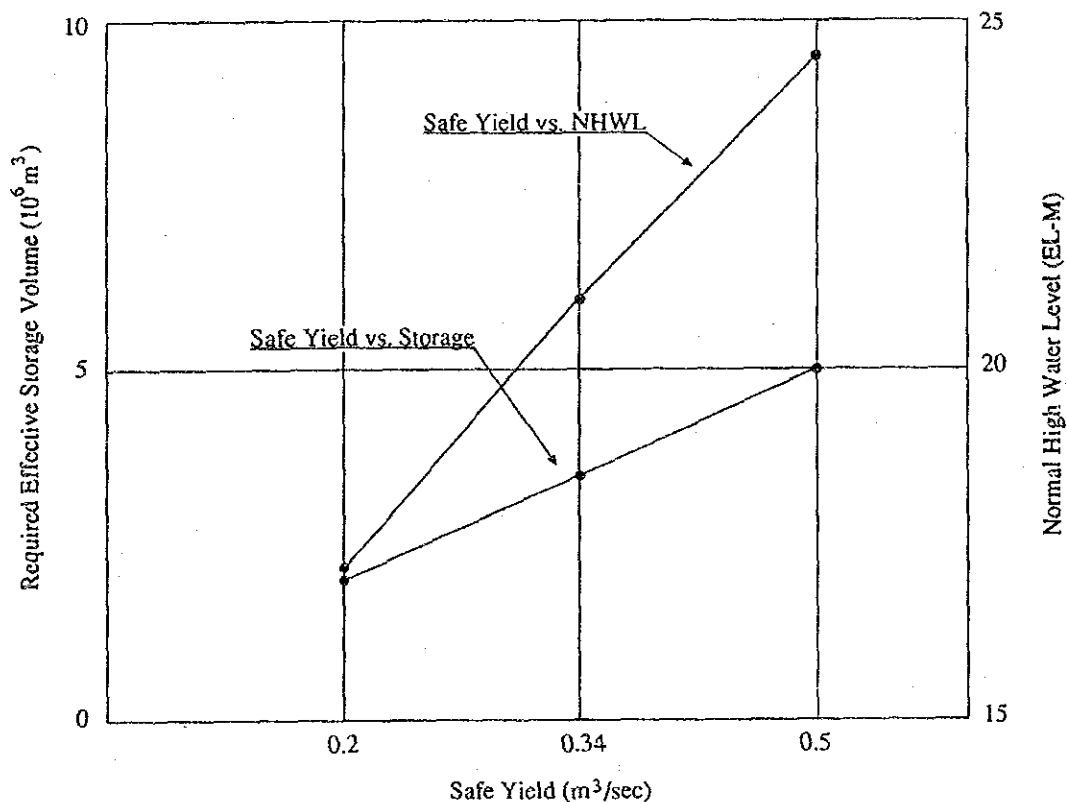
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Specified Conditions

Scheme of Heightening Krenceng dam : K-2
 Scheme to be combined : A-6
 Development Yield of Heightening Krenceng dam (cms) : 3.15
 Capacity of Krakatau pump station (cms) : 3.15
 Annual average water conveyance from Krakatau intake ($10^6\text{m}^3/\text{yr}$) : 77.238
 Annual average runoff thru Beroeng diverted tunnel ($10^6\text{m}^3/\text{yr}$) : 10.062

Description	Safe Yield of Scheme A-6		
	0.2	0.34	0.5
Required effective storage (10^6m^3)	2.03	3.48	5.18
Design sediment (10^6m^3)	-	-	-
Gross storage (10^6m^3)	2.03	3.48	5.18
Normal high water level (EL-M)	16.9	21.2	24.5



Safe Yield, Required Effective Storage Volume and Normal High Water Level by Scheme C-3



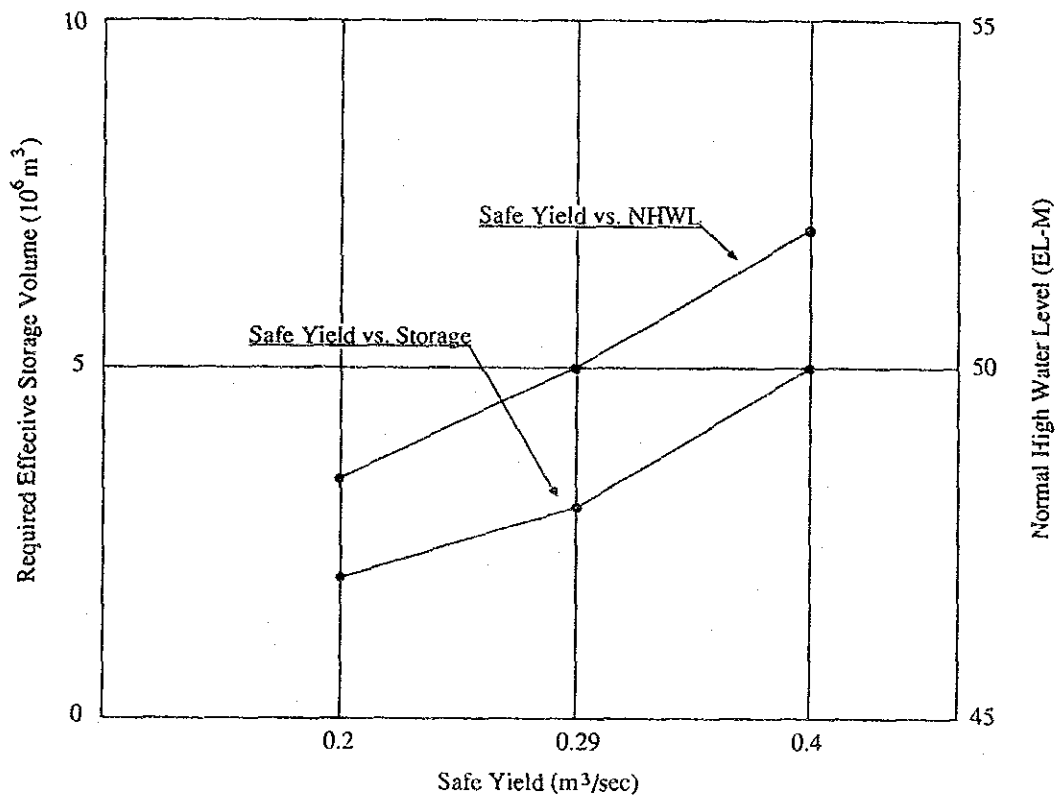
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Specified Conditions

Scheme of Heightening Krenceng dam : K-3
 Scheme to be combined : A-3
 Development Yield of Heightening Krenceng dam (cms) : 3.20
 Capacity of Krakatau pump station (cms) : 3.20
 Annual average water conveyance from Krakatau intake ($10^6\text{m}^3/\text{yr}$) : 67.462
 Annual average runoff thru Beroeng diverted tunnel ($10^6\text{m}^3/\text{yr}$) : 10.062
 Annual average runoff thru Anyer diverted tunnel ($10^6\text{m}^3/\text{yr}$) : 16.266

Description	Safe Yield of Scheme A-3		
	0.2	0.29	0.4
Required effective storage (10^6m^3)	2.04	2.97	4.14
Design sediment (10^6m^3)	4.16	4.16	4.16
Gross storag (10^6m^3)	6.20	7.13	8.30
Normal high water level (EL-M)	48.4	50.0	51.8



Safe Yield, Required Effective Storage Volume and Normal High Water Level by Scheme D-2

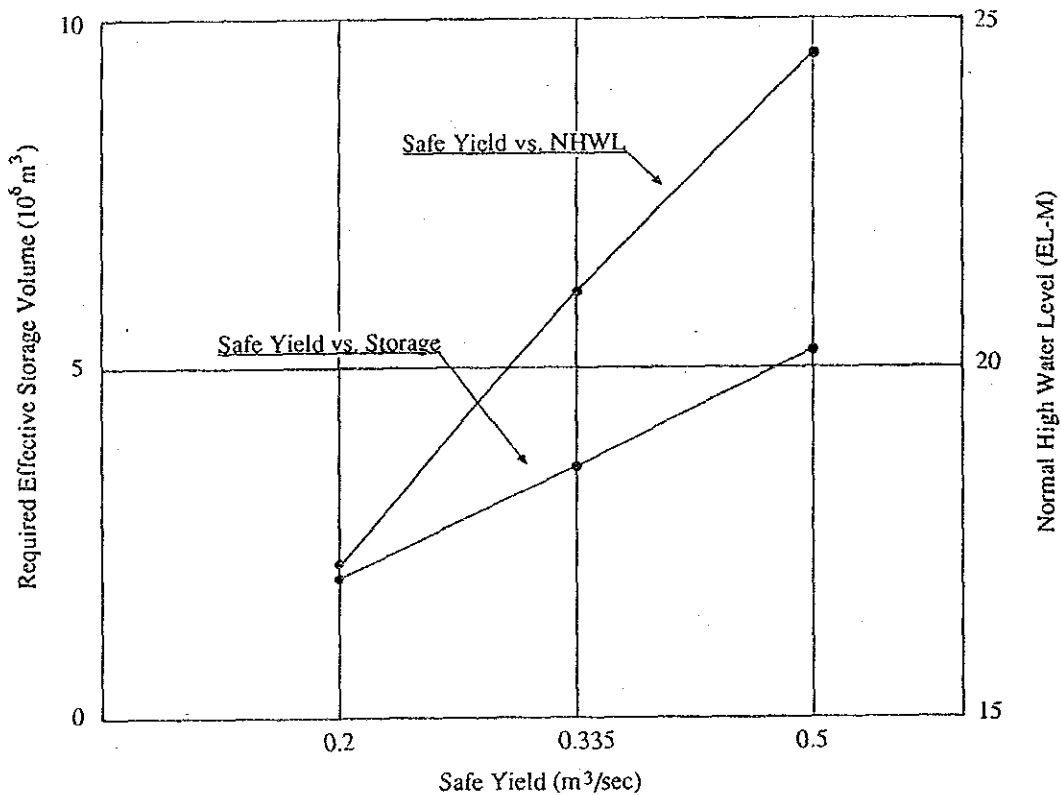

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Specified Conditions

Scheme of Heightening Krenceng dam : K-3
 Scheme to be combined : A-6
 Development Yield of Heightening Krenceng dam (cms) : 3.20
 Capacity of Krakatau pump station (cms) : 3.20
 Annual average water conveyance from Krakatau intake ($10^6 m^3/yr$) : 67.462
 Annual average runoff thru Beroeng diverted tunnel ($10^6 m^3/yr$) : 10.062
 Annual average runoff thru Anyer diverted tunnel ($10^6 m^3/yr$) : 16.266

Description	Safe Yield of Scheme A-6		
	0.2	0.335	0.5
Required effective storage ($10^6 m^3$)	2.04	3.45	5.21
Design sediment ($10^6 m^3$)	-	-	-
Gross storag ($10^6 m^3$)	2.04	3.45	5.21
Normal high water level (EL.-M)	16.9	21.2	24.55



Safe Yield, Required Effective Storage Volume and Normal High Water Level by Scheme D-3



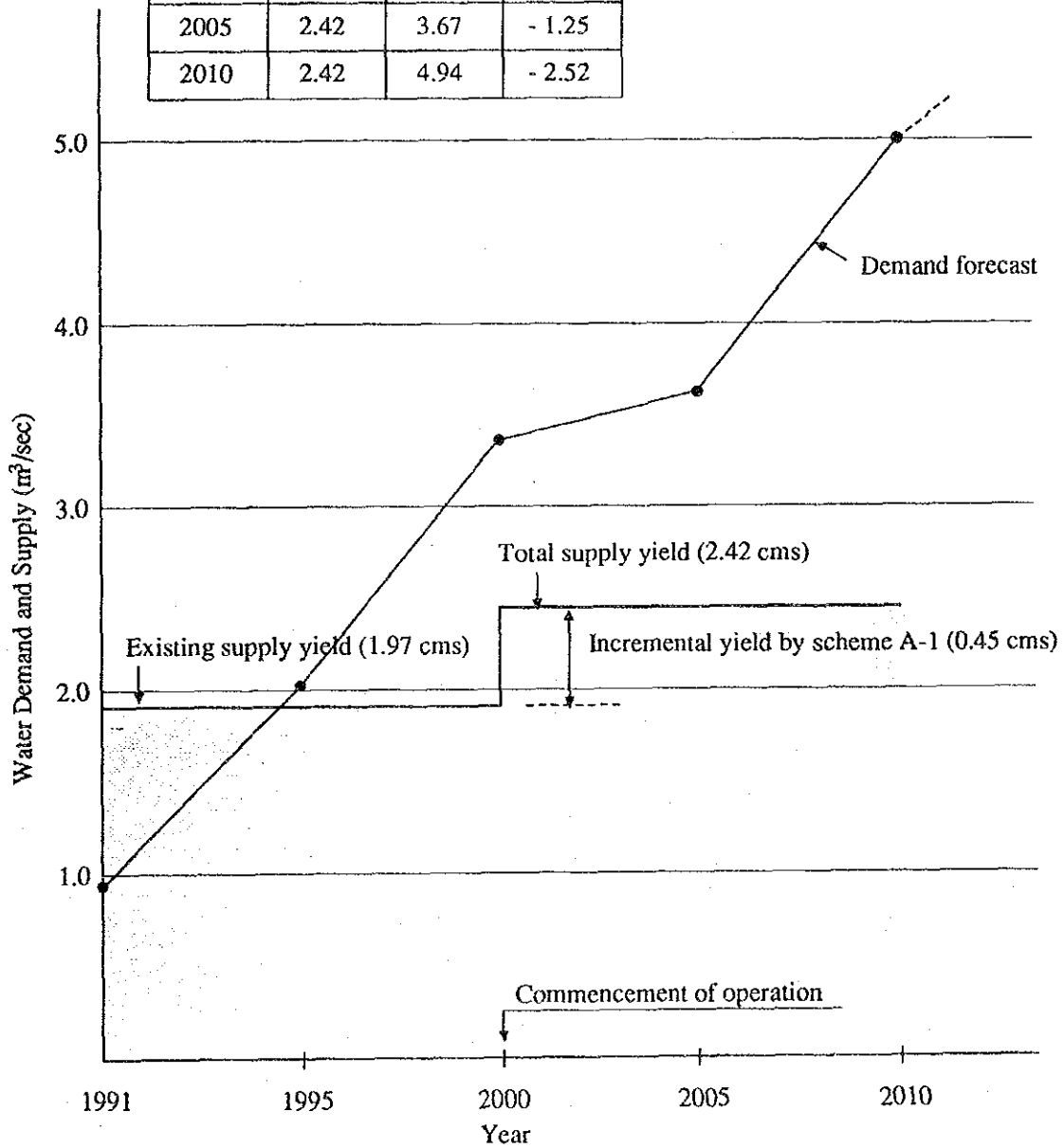
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Fig. F-41

Unit: cms)

Year	Supply	Demand	Balance
1991	1.97	0.86	+1.11
1995	1.97	2.06	- 0.09
2000	2.42	3.30	- 0.88
2005	2.42	3.67	- 1.25
2010	2.42	4.94	- 2.52



Water Demand and Supply Program by Scheme A-1



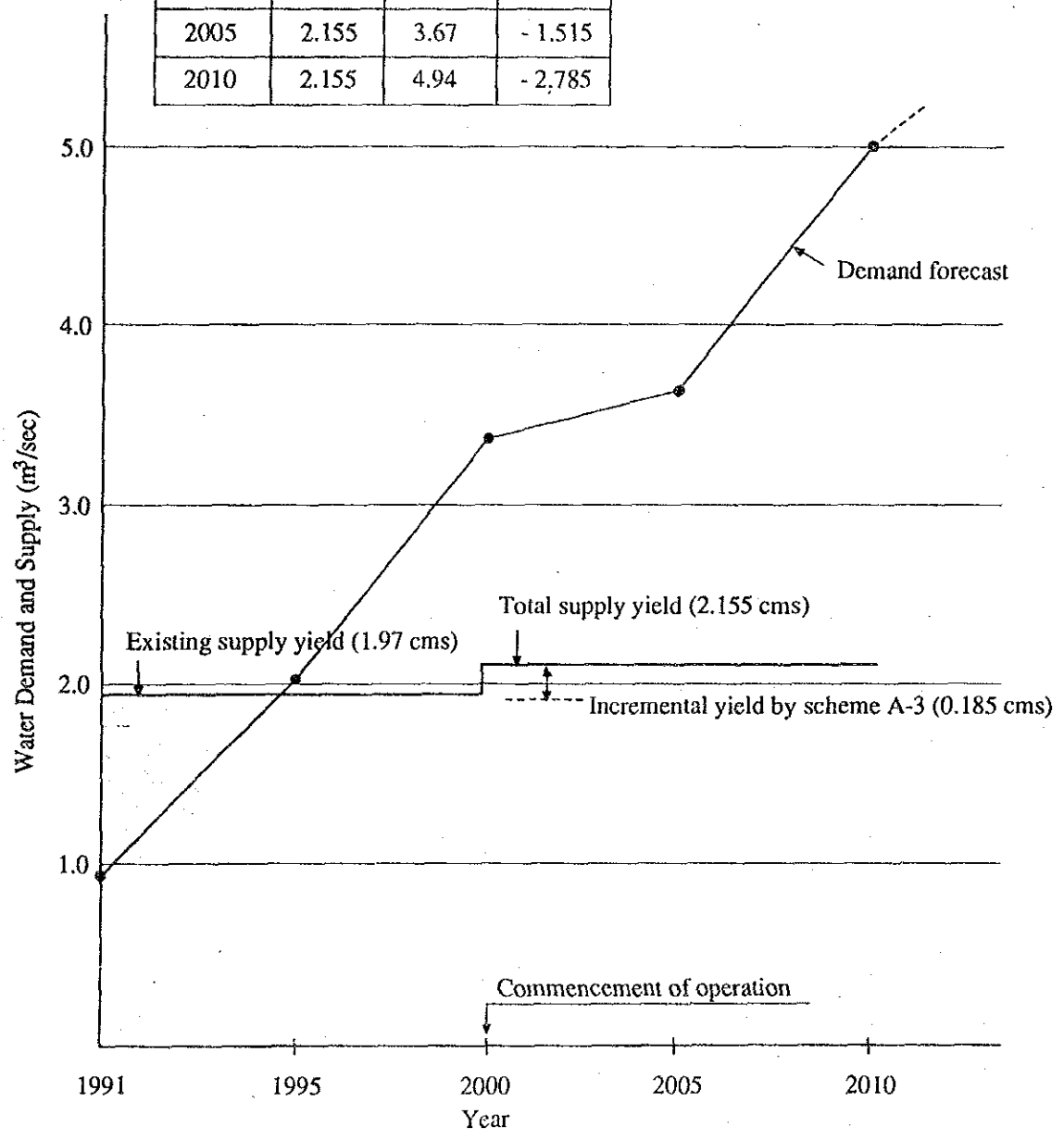
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Fig. F-42

Unit: cms)

Year	Supply	Demand	Balance
1991	1.97	0.86	+1.11
1995	1.97	2.06	-0.09
2000	2.155	3.30	-1.145
2005	2.155	3.67	-1.515
2010	2.155	4.94	-2.785



Water Demand and Supply Program by Scheme A-3


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