

Table Q 51. CASH FLOW OF PROPOSED DAM SCHEMES

Unit: \$ 106

Bamseonggol (C)

Year	Year in Order	Economic Benefit				Economic Cost				
		M&I Water Supply	Irrigation	Power	Flood Control	Production Foregone	Dam O&M	Dam Facilities	Power O&M	Total
2003.6	1	-	-	-	-	-	10.33	-	-	13.41
	2	-	-	-	-	-	20.65	-	-	26.80
	3	-	-	-	-	-	20.65	-	-	26.80
	4	-	-	-	-	-	20.65	-	-	26.80
	5	-	-	-	-	-	10.33	-	-	13.41
2008.6	6	3.25	-	6.82	0.08	-0.70	-	0.39	0.60	0.99
	7	5.76	0.15	6.82	0.08	-0.70	-	0.39	0.60	0.99
	8	5.76	0.31	6.82	0.08	-0.70	-	0.39	0.60	0.99
	9	5.76	0.44	6.82	0.08	-0.70	-	0.39	0.60	0.99
	10	5.76	0.44	6.82	0.08	-0.70	-	0.39	0.60	0.99
2013.6	.	.	.	.	.	.	.	.	.	.

2033.6	30	.	.	.	.	.	.	.	.	.
	31	.	.	.	.	.	.	.	.	.
	32	.	.	.	.	.	0.36	0.39	0.60	0.99
	33	.	.	.	.	.	0.73	0.39	0.60	2.80
	34	.	.	.	.	.	0.73	0.39	0.60	4.62
	35	.	.	.	.	.	0.73	0.39	0.60	4.62
2038.6	36	ditto	ditto	ditto	ditto	ditto	0.36	0.39	0.60	2.80
	37	.	.	.	.	.	-	0.39	0.60	0.99
	38	.	.	.	.	.	-	0.39	0.60	0.99
	39	.	.	.	.	.	-	0.39	0.60	0.99
	40	.	.	.	.	.	-	0.39	0.60	0.99
2043.6	41	.	.	.	.	.	-	0.39	0.60	0.99
	42	.	.	.	.	.	-	0.39	0.60	0.99
	43	.	.	.	.	.	-	0.39	0.60	0.99
	44	.	.	.	.	.	-	0.39	0.60	0.99
	45	.	.	.	.	.	-	0.39	0.60	0.99
	46	.	.	.	.	.	-	0.39	0.60	0.99
2048.6	47	.	.	.	.	.	-	0.39	0.60	0.99
	48	5.76	0.44	6.82	0.08	-0.70	-	0.39	0.60	0.99
	49	5.76	0.44	6.82	0.08	-0.70	-	0.39	0.60	0.99
2052.6	50	5.76	0.44	6.82	0.08	-0.70	-	0.39	0.60	0.99

Table Q 51 Continued (2)

Unit: \$ 10⁶

Hongcheon (C)

Year	Year in Order	Economic Benefit				Economic Cost						
		M&I Water Supply	Irrigation	Power	Flood Control	Production Foregone	Total	Dam O&M	Power Facilities	Power O&M	Total	
2003.6	1	-	-	-	-	-	-	10.17	-	4.00	-	14.17
	2	-	-	-	-	-	-	20.33	-	8.00	-	28.33
	3	-	-	-	-	-	-	20.33	-	8.00	-	28.33
	4	-	-	-	-	-	-	20.33	-	8.00	-	28.33
	5	-	-	-	-	-	-	10.17	-	4.00	-	14.17
2008.6	6	2.14	-	8.40	0.32	-1.87	8.99	-	0.35	-	0.80	1.15
	7	4.29	0.15	8.40	0.32	-1.87	11.29	-	0.35	-	0.80	1.15
	8	6.43	0.31	8.40	0.32	-1.87	13.59	-	0.35	-	0.80	1.15
	9	6.86	0.46	8.40	0.32	-1.87	14.17	-	0.35	-	0.80	1.15
	10	6.86	0.51	8.40	0.32	-1.87	14.22	-	0.35	-	0.80	1.15
2013.6	11	6.86	0.64	8.40	0.32	-1.87	14.35	-	0.35	-	0.80	1.15
	12	6.86	0.64	8.40	0.32	-1.87	14.35	-	0.35	-	0.80	1.15

	.	.	.	.	.	.	.	.	ditto	.	ditto	ditto

2033.6	30	.	.	.	.	.	.	.	.	.	.	.
	31	.	.	.	.	.	.	.	.	.	.	.
	32	.	.	.	.	.	.	1.09	0.35	2.93	0.80	5.17
	33	.	.	.	.	.	.	2.17	0.35	5.85	0.80	9.17
	34	ditto	ditto	ditto	ditto	ditto	ditto	2.17	0.35	5.85	0.80	9.17
	35	.	.	.	.	.	.	2.17	0.35	5.85	0.80	9.17
2038.6	36	.	.	.	.	.	.	1.09	0.35	2.93	0.80	5.17
	37	.	.	.	.	.	.	-	0.35	-	0.80	1.15
	.	.	.	.	.	.	.	-	0.35	-	0.80	1.15
	.	.	.	.	.	.	.	-	0.35	-	0.80	1.15
	.	.	.	.	.	.	.	-	0.35	-	0.80	1.15
	.	.	.	.	.	.	.	-	0.35	-	0.80	1.15
2048.6	46	.	.	.	.	.	.	-	0.35	-	0.80	1.15
	47	.	.	.	.	.	.	-	0.35	-	0.80	1.15
	48	6.86	0.64	8.40	0.32	-1.87	14.35	-	0.35	-	0.80	1.15
	49	6.86	0.64	8.40	0.32	-1.87	14.35	-	0.35	-	0.80	1.15
2052.6	50	6.86	0.64	8.40	0.32	-1.87	14.35	-	0.35	-	0.80	1.15

Table Q 51 Continued (3)

Unit: \$ 10⁶

Hongcheon (V)

Year	Order	Year in	Economic Benefit				Economic Cost						
			M&I Water Supply	Irrigation	Power	Flood Control	Production Foregone	Total	Dam O&M	Dam	Power Facilities	Power O&M	Total
2003.6	1		-	-	-	-	-	-	10.17	-	-	-	10.17
	2		-	-	-	-	-	-	20.33	-	-	-	20.33
	3		-	-	-	-	-	-	20.33	-	-	-	20.33
	4		-	-	-	-	-	-	20.33	-	-	-	20.33
	5		-	-	-	-	-	-	10.17	-	-	-	10.17
2008.6	6		2.36	-	-	0.32	-1.87	0.81	-	0.35	-	-	0.35
	7		4.72	0.15	-	0.32	-1.87	3.32	-	0.35	-	-	0.35
	8		7.08	0.31	-	0.32	-1.87	5.84	-	0.35	-	-	0.35
	9		9.44	0.46	-	-	-	8.35	-	-	-	-	-
	10		11.80	0.61	-	-	-	10.86	-	-	-	-	-
2013.6	11		14.16	0.76	-	-	-	13.37	-	-	-	-	-
	12		16.52	0.92	-	-	-	15.89	-	-	-	-	-
	13		18.88	1.07	-	-	-	18.40	-	-	-	-	-
	14		21.24	1.22	-	-	-	20.91	-	-	-	-	-
	15		23.60	1.38	-	-	-	23.43	-	-	-	-	-
2018.6	16		25.96	1.53	-	-	-	25.94	-	-	-	-	-
	17		28.32	1.68	-	-	-	28.45	-	-	-	-	-
	18		30.68	1.84	-	-	-	30.97	-	-	-	-	-
	19		33.05	1.99	-	-	-	33.49	-	-	-	-	-
	20		35.40	2.14	-	-	-	35.99	-	-	-	-	-
2023.6	21		37.76	2.30	-	-	-	38.51	-	-	-	-	-
	22		38.71	2.45	-	-	-	39.61	-	-	-	-	-
	23		38.71	2.60	-	ditto	ditto	39.76	-	-	-	-	-
	24		38.71	2.66	-	-	-	39.82	-	-	-	-	-
	25		-	-	-	-	-	-	-	-	-	-	-
2033.6	30		-	-	-	-	-	-	-	-	-	-	-
	31		-	-	-	-	-	-	-	0.35	-	-	0.35
	32		-	-	-	-	-	-	1.09	0.35	-	-	1.44
	33		-	-	-	-	-	-	2.17	0.35	-	-	2.52
	34		-	-	-	-	-	-	2.17	0.35	-	-	2.52
2038.6	35		ditto	ditto	-	-	-	ditto	2.17	0.35	-	-	2.52
	36		-	-	-	-	-	-	1.09	0.35	-	-	1.44
	37		-	-	-	-	-	-	-	0.35	-	-	0.35
	38		-	-	-	-	-	-	-	0.35	-	-	0.35
	39		-	-	-	-	-	-	-	0.35	-	-	0.35
2048.6	46		-	-	-	-	-	-	-	ditto	-	-	ditto
	47		-	-	-	-	-	-	-	-	-	-	-
	48		38.71	2.66	-	0.32	-1.87	39.82	-	0.35	-	-	0.35
	49		38.71	2.66	-	0.32	-1.87	39.82	-	0.35	-	-	0.35
	50		38.71	2.66	-	0.32	-1.87	39.82	-	0.35	-	-	0.35

Table Q 51 Continued (4)

Unit: \$ 10⁶

Dalcheon (V)

Year	Year in Order	Economic Benefit				Economic Cost				Total	
		M&I Water Supply	Irrigation	Power	Flood Control	Production Foregone	Dam	Dam O&M	Power Facilities		Power O&M
2003.6	1	-	-	-	-	-	7.07	-	-	-	7.07
	2	-	-	-	-	-	14.16	-	-	-	14.16
	3	-	-	-	-	-	14.16	-	-	-	14.16
	4	-	-	-	-	-	14.16	-	-	-	14.16
	5	-	-	-	-	-	7.07	-	-	-	7.07
2008.6	6	2.13	-	-	0.71	-3.62	-	0.24	-	-	0.24
	7	4.25	0.15	-	0.71	-3.62	-	0.24	-	-	0.24
	8	6.38	0.31	-	0.71	-3.62	-	0.24	-	-	0.24
	9	8.51	0.46	-	-	-	-	-	-	-	-
	10	10.63	0.61	-	-	-	-	-	-	-	-
2013.6	11	12.76	0.77	-	-	-	-	-	-	-	-
	12	14.89	0.92	-	-	-	-	-	-	-	-
	13	17.01	1.07	-	-	-	-	-	-	-	-
	14	19.14	1.22	-	-	-	-	-	-	-	-
2018.6	15	21.27	1.38	-	-	-	-	-	-	-	-
	16	23.40	1.53	-	-	-	-	ditto	-	-	ditto
	17	25.52	1.68	-	-	-	-	-	-	-	-
	18	27.65	1.84	-	-	-	-	-	-	-	-
	19	29.78	1.99	-	-	-	-	-	-	-	-
2023.6	20	30.63	2.14	-	-	-	-	-	-	-	-
	21	30.63	2.30	-	-	-	-	-	-	-	-
	22	30.63	2.36	-	-	-	-	-	-	-	-
	30	-	-	-	-	-	-	-	-	-	-
2033.6	31	-	-	-	-	-	-	-	-	-	-
	32	-	-	-	ditto	-	1.14	0.24	-	-	0.24
	33	-	-	-	-	ditto	2.28	0.24	-	-	1.38
	34	ditto	ditto	-	-	-	2.28	0.24	-	-	2.52
2038.6	35	-	-	-	-	-	2.28	0.24	-	-	2.52
	36	-	-	-	-	-	1.14	0.24	-	-	1.38
	37	-	-	-	-	-	-	0.24	-	-	0.24
	46	-	-	-	-	-	-	-	-	-	-
2048.6	47	-	-	-	-	-	-	-	-	-	-
	48	30.63	2.36	-	0.71	-3.62	-	0.24	-	-	0.24
	49	30.63	2.36	-	0.71	-3.62	-	0.24	-	-	0.24
2052.6	50	30.63	2.36	-	0.71	-3.62	-	0.24	-	-	0.24

Table Q 51 Continued (5)

Unit: \$ 10⁶

Ganhyeon (V)

Year	Year in Order	Economic Benefit				Economic Cost						
		M&I Water Supply	Irrigation	Power	Flood Control	Production Foregone	Total	Dam	Dam O&M	Power Facilities	Power O&M	Total
2003.6	1	-	-	-	-	-	-	4.33	-	-	-	4.33
	2	-	-	-	-	-	-	8.65	-	-	-	8.65
	3	-	-	-	-	-	-	8.65	-	-	-	8.65
	4	-	-	-	-	-	-	8.65	-	-	-	8.65
	5	-	-	-	-	-	-	4.33	-	-	-	4.33
2008.6	6	2.12	-	-	0.90	-2.80	0.22	-	0.13	-	-	0.13
	7	4.24	0.15	-	0.90	-2.80	2.49	-	0.13	-	-	0.13
	8	6.36	0.31	-	0.90	-2.80	4.77	-	0.13	-	-	0.13
	9	8.48	0.46	-	-	-	7.04	-	-	-	-	-
	10	10.59	0.61	-	-	-	9.30	-	-	-	-	-
2013.6	11	12.71	0.77	-	-	-	11.58	-	-	-	-	-
	12	14.83	0.92	-	-	-	13.85	-	-	-	-	-
	13	16.95	1.07	-	-	-	16.12	-	-	-	-	-
	14	19.07	1.22	-	-	-	18.39	-	-	-	-	-
	15	21.19	1.38	-	-	-	20.67	-	-	-	-	-
2018.6	16	23.31	1.53	-	-	-	22.94	-	ditto	-	-	ditto
	17	25.43	1.68	-	-	-	25.21	-	-	-	-	-
	18	27.54	1.84	-	-	-	27.48	-	-	-	-	-
	19	29.67	1.99	-	-	-	29.76	-	-	-	-	-
	20	29.88	2.14	-	-	-	30.12	-	-	-	-	-
2023.6	21	29.88	2.30	-	-	-	30.28	-	-	-	-	-
	22	29.88	2.31	-	-	-	30.29	-	-	-	-	-
2033.6	30	-	-	-	ditto	ditto	-	-	-	-	-	-
	31	ditto	ditto	-	-	-	-	1.04	0.13	-	-	0.13
	32	-	-	-	-	-	-	2.09	0.13	-	-	1.17
	33	-	-	-	-	-	ditto	2.09	0.13	-	-	2.22
	34	-	-	-	-	-	-	2.09	0.13	-	-	2.22
2038.6	35	-	-	-	-	-	-	2.09	0.13	-	-	2.22
	36	-	-	-	-	-	-	1.04	0.13	-	-	1.17
2048.6	46	-	-	-	-	-	-	-	0.13	-	-	0.13
	47	-	-	-	-	-	-	-	0.13	-	-	1.17
	48	29.88	2.31	-	0.90	-2.80	30.29	-	ditto	-	-	ditto
	49	29.88	2.31	-	0.90	-2.80	30.29	-	0.13	-	-	0.13
	50	29.88	2.31	-	0.90	-2.80	30.29	-	0.13	-	-	0.13

Table Q 51 Continued (6)

Unit: \$ 10⁶

Imha (C)

Year	Year in Order	Economic Benefit				Economic Cost					
		M&I Water Supply	Irrigation	Power	Flood Control	Production Foregone	Total	Dam O&M	Dam Facilities	Power O&M	Total
1985.1	1	-	-	-	-	-	-	10.79	-	-	14.03
	2	-	-	-	-	-	-	21.58	-	3.24	28.06
	3	-	-	-	-	-	-	21.58	-	6.48	28.06
	4	-	-	-	-	-	-	21.58	-	6.48	28.06
	5	-	-	-	-	-	-	10.79	-	6.48	14.03
1990.1	6	0.92	-	4.83	1.90	-1.06	6.59	-	0.33	0.60	0.93
	7	1.87	0.41	4.83	1.90	-1.06	7.95	-	0.33	0.60	0.93
	8	2.82	0.81	4.83	1.90	-1.06	9.30	-	0.33	0.60	0.93
	9	3.78	1.19	-	-	-	10.64	-	-	-	-
	10	4.73	1.57	-	-	-	11.97	-	-	-	-
1995.1	11	5.68	1.95	-	-	-	13.30	-	-	-	-
	12	6.62	2.33	-	-	-	14.62	-	-	-	-
	13	6.89	2.71	-	-	-	15.27	-	-	-	-
	14	6.89	3.09	-	-	-	15.65	-	-	-	-
	15	6.89	3.20	-	-	-	15.76	-	-	-	-
2000.1	16	6.89	3.20	-	-	-	15.76	-	-	-	-
	17	6.89	3.20	-	-	-	15.76	-	-	-	-
	18	-	-	-	-	-	-	-	-	-	-
	19	-	-	-	-	-	-	-	-	-	-
	20	-	-	-	-	-	-	-	-	-	-
2015.1	30	-	-	-	-	-	-	-	0.33	-	0.93
	31	-	-	-	-	-	-	0.94	0.33	2.35	4.22
	32	-	-	-	-	-	-	1.88	0.33	4.70	7.51
	33	-	-	-	-	-	-	1.88	0.33	4.70	7.51
	34	ditto	ditto	ditto	ditto	ditto	ditto	1.88	0.33	4.70	7.51
2020.1	35	-	-	-	-	-	-	0.94	0.33	2.35	4.22
	36	-	-	-	-	-	-	-	0.33	-	0.93
	37	-	-	-	-	-	-	-	0.33	-	0.93
	38	-	-	-	-	-	-	-	-	-	-
	39	-	-	-	-	-	-	-	-	-	-
2030.1	46	-	-	-	-	-	-	-	-	-	-
	47	-	-	-	-	-	-	-	-	-	-
	48	6.89	3.20	4.83	1.90	-1.06	15.76	-	0.33	0.60	0.93
	49	6.89	3.20	4.83	1.90	-1.06	15.76	-	0.33	0.60	0.93
2034.1	50	6.89	3.20	4.83	1.90	-1.06	15.76	-	0.33	0.60	0.93

Table Q 51 Continued (7)

Unit: \$ 10⁶

Imha (V)

Year	Year in Order	Economic Benefit				Economic Cost						
		M&I Water Supply	Irrigation	Power	Flood Control	Production Foregone	Total	Dam O&M	Dam	Power Facilities	Power O&M	Total
1985.1	1	-	-	-	-	-	-	9.38	-	-	-	9.38
	2	-	-	-	-	-	-	18.76	-	-	-	18.76
	3	-	-	-	-	-	-	18.76	-	-	-	18.76
	4	-	-	-	-	-	-	18.76	-	-	-	18.76
	5	-	-	-	-	-	-	9.38	-	-	-	9.38
1990.1	6	0.86	-	-	1.82	-0.95	1.73	-	0.29	-	-	0.29
	7	1.74	0.41	-	1.82	-0.95	3.02	-	0.29	-	-	0.29
	8	2.63	0.81	-	1.82	-0.95	4.31	-	0.29	-	-	0.29
	9	3.52	1.19	-	-	-	5.58	-	-	-	-	-
1995.1	10	4.40	1.57	-	-	-	6.84	-	-	-	-	-
	11	5.29	1.95	-	-	-	8.11	-	-	-	-	-
	12	6.16	2.33	-	-	-	9.36	-	-	-	-	-
	13	7.04	2.71	-	-	-	10.62	-	-	-	-	-
	14	7.92	3.09	-	-	-	11.88	-	-	-	-	-
	15	8.80	3.47	-	-	-	13.14	-	-	-	-	-
	16	8.98	3.84	-	-	-	13.69	-	ditto	-	-	ditto
2000.1	17	8.98	4.22	-	-	-	14.07	-	-	-	-	-
	18	8.98	4.45	-	-	-	14.30	-	-	-	-	-
	19	8.98	4.45	-	-	-	14.30	-	-	-	-	-
	20	-	-	-	-	-	-	-	-	-	-	-
2005.1	21	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	ditto	ditto	-	-	-	-	-	-
2015.1	30	-	-	-	-	-	-	-	0.29	-	-	0.29
	31	-	-	-	-	-	-	0.93	0.29	-	-	1.22
	32	-	-	-	-	-	-	1.87	0.29	-	-	2.16
	33	-	ditto	-	-	-	-	1.87	0.29	-	-	2.16
	34	-	-	-	-	-	-	1.87	0.29	-	-	2.16
2020.1	35	-	-	-	-	-	-	0.93	0.29	-	-	1.22
	36	-	-	-	-	-	-	-	0.29	-	-	0.29
	37	-	-	-	-	-	-	-	0.29	-	-	0.29
2034.1	48	8.98	4.45	-	1.82	-0.95	14.30	-	0.29	-	-	0.29
	49	8.98	4.45	-	1.82	-0.95	14.30	-	0.29	-	-	0.29
	50	8.98	4.45	-	1.82	-0.95	14.30	-	0.29	-	-	0.29
	-	-	-	-	-	-	-	-	-	-	-	-

Table Q 51 Continued (8)

Unit: \$ 10⁶

Juam (V): Main Stream

Year	Year in Order	M&I Water Supply	Economic Benefit				Economic Cost				
			Irrigation	Power	Flood Control	Production Foregone	Total	Dam O&M	Dam Facilities	Power O&M	Total
1981.0	1	-	-	-	-	-	9.58	-	-	-	9.58
	2	-	-	-	-	-	19.15	-	-	-	19.15
	3	-	-	-	-	-	19.15	-	-	-	19.15
	4	-	-	-	-	-	19.15	-	-	-	19.15
1986.0	5	-	-	-	-	-	9.58	-	-	-	9.58
	6	1.76	-	0.14	-1.57	-	-	0.23	-	-	0.23
	7	3.55	0.52	0.14	-1.57	0.33	-	0.23	-	-	2.64
	8	5.31	0.57	0.14	-1.57	4.45	-	0.23	-	-	4.45
	9	7.09	0.62	-	-	6.28	-	-	-	-	6.28
	10	8.85	0.68	-	-	8.10	-	-	-	-	8.10
1991.0	11	10.34	0.73	-	-	9.64	-	-	-	-	9.64
	12	11.82	0.79	-	-	11.18	-	-	-	-	11.18
	13	13.31	0.84	-	-	12.72	-	-	-	-	12.72
	14	14.79	0.90	-	-	14.26	-	-	-	-	14.26
	15	16.28	0.96	-	-	15.81	-	-	-	-	15.81
1996.0	16	17.76	1.02	-	-	17.35	-	-	-	-	17.35
	17	19.25	1.08	-	-	18.90	-	-	-	-	18.90
	18	20.76	1.13	-	-	20.46	-	-	-	-	20.46
	19	22.24	1.18	-	-	21.99	-	-	-	-	21.99
	20	23.73	1.24	-	-	23.54	-	-	-	-	23.54
2001.0	21	25.21	1.29	-	-	25.07	-	-	-	-	25.07
	22	26.70	1.35	-	-	26.62	-	-	-	-	26.62
	23	28.21	1.40	-	-	28.18	-	-	-	-	28.18
	24	29.70	1.46	-	-	29.73	-	-	-	-	29.73
	25	31.18	1.51	-	-	31.26	-	-	-	-	31.26
2006.0	26	32.66	1.56	-	-	32.79	-	-	-	-	32.79
	27	34.15	1.62	-	-	34.34	-	-	-	-	34.34
	28	35.66	1.67	-	-	35.90	-	-	-	-	35.90
	29	37.15	1.73	-	-	37.45	-	-	-	-	37.45
	30	39.90	1.76	-	-	40.23	-	-	-	-	40.23
2011.0	31	40.12	1.76	-	-	40.45	-	-	-	-	40.45
	32	41.60	1.76	-	-	41.93	-	-	-	-	41.93
	33	43.11	1.76	-	-	43.44	-	-	-	-	43.44
	34	44.60	1.76	-	-	44.93	-	-	-	-	44.93
	35	46.08	1.76	-	-	46.41	-	-	-	-	46.41
2016.0	36	47.57	1.76	-	-	47.90	-	-	-	-	47.90
	37	49.05	1.76	-	-	49.38	-	-	-	-	49.38
	38	50.56	1.76	-	-	50.89	-	-	-	-	50.89
	39	51.14	1.76	-	-	51.47	-	-	-	-	51.47
	40	ditto	ditto	-	-	ditto	-	-	-	-	ditto
	41	ditto	ditto	-	-	ditto	-	-	-	-	ditto
	42	ditto	ditto	-	-	ditto	-	-	-	-	ditto
	43	ditto	ditto	-	-	ditto	-	-	-	-	ditto
	44	ditto	ditto	-	-	ditto	-	-	-	-	ditto
	45	ditto	ditto	-	-	ditto	-	-	-	-	ditto
	46	ditto	ditto	-	-	ditto	-	-	-	-	ditto
	47	ditto	ditto	-	-	ditto	-	-	-	-	ditto
	48	51.14	1.76	0.14	-1.57	51.47	-	-	-	-	51.47
	49	51.14	1.76	0.14	-1.57	51.47	-	-	-	-	51.47
2030.0	50	51.14	1.76	0.14	-1.57	51.47	-	-	-	-	51.47
	51	ditto	ditto	-	-	ditto	-	-	-	-	ditto
	52	ditto	ditto	-	-	ditto	-	-	-	-	ditto
	53	ditto	ditto	-	-	ditto	-	-	-	-	ditto
	54	ditto	ditto	-	-	ditto	-	-	-	-	ditto
	55	ditto	ditto	-	-	ditto	-	-	-	-	ditto
	56	ditto	ditto	-	-	ditto	-	-	-	-	ditto
	57	ditto	ditto	-	-	ditto	-	-	-	-	ditto
	58	ditto	ditto	-	-	ditto	-	-	-	-	ditto
	59	ditto	ditto	-	-	ditto	-	-	-	-	ditto
	60	ditto	ditto	-	-	ditto	-	-	-	-	ditto
	61	ditto	ditto	-	-	ditto	-	-	-	-	ditto
	62	ditto	ditto	-	-	ditto	-	-	-	-	ditto
	63	ditto	ditto	-	-	ditto	-	-	-	-	ditto
	64	ditto	ditto	-	-	ditto	-	-	-	-	ditto
	65	ditto	ditto	-	-	ditto	-	-	-	-	ditto
	66	ditto	ditto	-	-	ditto	-	-	-	-	ditto
	67	ditto	ditto	-	-	ditto	-	-	-	-	ditto
	68	ditto	ditto	-	-	ditto	-	-	-	-	ditto
	69	ditto	ditto	-	-	ditto	-	-	-	-	ditto
	70	ditto	ditto	-	-	ditto	-	-	-	-	ditto
	71	ditto	ditto	-	-	ditto	-	-	-	-	ditto
	72	ditto	ditto	-	-	ditto	-	-	-	-	ditto
	73	ditto	ditto	-	-	ditto	-	-	-	-	ditto
	74	ditto	ditto	-	-	ditto	-	-	-	-	ditto
	75	ditto	ditto	-	-	ditto	-	-	-	-	ditto
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	79	ditto	ditto	-	-	ditto	-	-	-	-	ditto
	80	ditto	ditto	-	-	ditto	-	-	-	-	ditto
	81	ditto	ditto	-	-	ditto	-	-	-	-	ditto
	82	ditto	ditto	-	-	ditto	-	-	-	-	ditto

Table Q 51. Continued (9)

Unit: \$ 10⁶

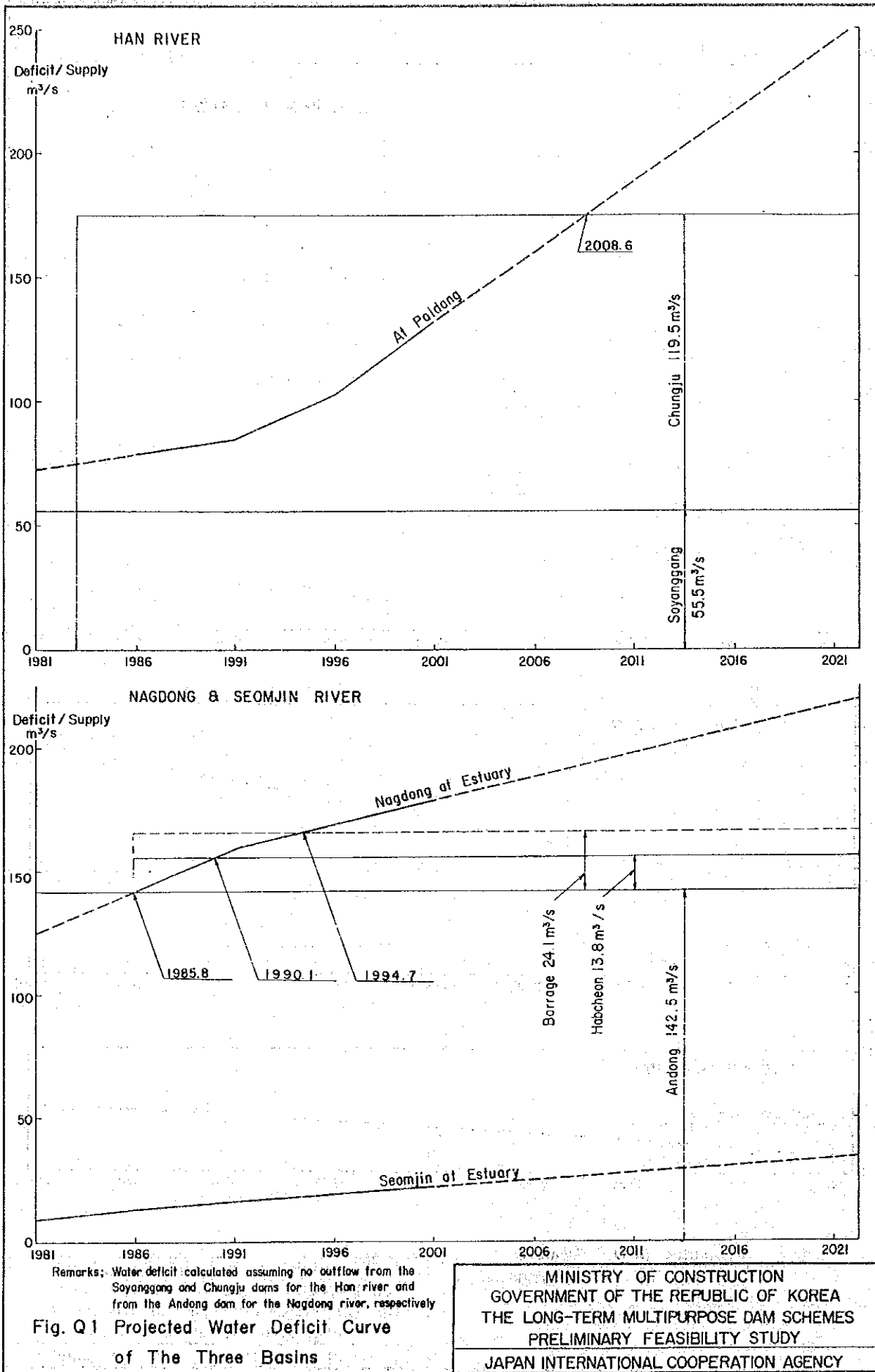
Juam (V): Diversion

Year	Year in Order	Economic Benefit					Economic Cost				
		M&I Water Supply	Irrigation	Power	Flood Control	Production Foregone	Dam O&M	Dam O&M	Power Facilities	Power O&M	Total
1981.0	1	-	-	-	-	-	10.92	-	-	-	10.92
	2	-	-	-	-	-	21.85	-	-	-	21.85
	3	-	-	-	-	-	21.85	-	-	-	21.85
	4	-	-	-	-	-	21.85	-	-	-	21.85
	5	-	-	-	-	-	10.92	-	-	-	10.92
1986.0	6	1.70	-	-	0.21	-1.88	-	0.27	-	-	0.27
	7	3.44	0.52	-	0.21	-1.88	-	0.27	-	-	0.27
	8	5.14	0.57	-	0.21	-1.88	-	0.27	-	-	0.27
	9	6.87	0.62	-	-	-	-	-	-	-	-
	10	8.58	0.68	-	-	-	-	-	-	-	-
1991.0	11	10.02	0.73	-	-	-	-	-	-	-	-
	12	11.45	0.79	-	-	-	-	-	-	-	-
	13	12.89	0.84	-	-	-	-	-	-	-	-
	14	14.33	0.90	-	-	-	-	-	-	-	-
	15	15.77	0.96	-	-	-	-	-	-	-	-
1996.0	16	17.21	1.02	-	-	-	-	-	-	-	-
	17	18.65	1.08	-	-	-	-	-	-	-	-
	18	20.11	1.13	-	-	-	-	-	-	-	-
	19	21.55	1.18	-	-	-	-	-	-	-	-
	20	22.99	1.24	-	-	-	-	-	-	-	-
2001.0	21	24.43	1.29	-	-	-	-	ditto	-	-	ditto
	22	25.87	1.35	-	-	-	-	-	-	-	-
	23	27.33	1.40	-	-	-	-	-	-	-	-
	24	28.77	1.46	-	-	-	-	-	-	-	-
	25	30.21	1.51	-	ditto	ditto	-	-	-	-	-
2006.0	26	31.65	1.56	-	-	-	-	-	-	-	-
	27	33.08	1.57	-	-	-	-	-	-	-	-
	28	34.55	1.57	-	-	-	-	-	-	-	-
	29	35.99	1.57	-	-	-	-	-	-	-	-
	30	37.43	1.57	-	-	-	-	-	-	-	-
2011.0	31	38.86	1.57	-	-	-	-	0.27	-	-	0.27
	32	40.30	1.57	-	-	-	1.09	0.27	-	-	1.36
	33	41.77	1.57	-	-	-	2.18	0.27	-	-	2.45
	34	42.89	1.57	-	-	-	2.18	0.27	-	-	2.45
	35	-	-	-	-	-	1.09	0.27	-	-	1.36
2016.0	36	-	-	-	-	-	-	0.27	-	-	0.27
	37	-	-	-	-	-	-	0.27	-	-	0.27
	38	-	-	-	-	-	-	-	-	-	-
	39	-	-	-	-	-	-	-	-	-	-
	40	-	-	-	-	-	-	-	-	-	-
	41	-	-	-	-	-	-	-	-	-	-
	42	-	-	-	-	-	-	-	-	-	-
	43	-	-	-	-	-	-	-	-	-	-
	44	-	-	-	-	-	-	-	-	-	-
	45	-	-	-	-	-	-	-	-	-	-
	46	-	-	-	-	-	-	-	-	-	-
	47	-	-	-	-	-	-	-	-	-	-
	48	42.89	1.57	-	0.21	-1.88	-	0.27	-	-	0.27
	49	42.89	1.57	-	0.21	-1.88	-	0.27	-	-	0.27
2030.0	50	42.89	1.57	-	0.21	-1.88	-	0.27	-	-	0.27

Table Q 52 ESTIMATED VALUES OF EIRR

(Unit : %)

	A	B	C	D	E	F
	Normal	Benefit 10% Down	Cost 20% Up	Benefit 1-Year Delay	B+C	B+C+D
Bamseonggol (C)	8.5	7.6	7.0	7.8	6.1	5.7
Hongcheon (C)	8.8	7.9	7.3	8.1	6.4	6.0
Hongcheon (V)	14.4	13.7	13.1	13.5	12.4	11.6
Dalcheon (V)	15.3	14.5	13.9	14.2	13.1	12.3
Ganhyeon (V)	20.2	19.2	18.5	18.6	17.6	16.3
Imha (C)	8.8	8.0	7.4	8.2	6.6	6.2
Imha (V)	9.8	9.1	8.6	9.2	7.9	7.5
Juan (V) : Main Stream	12.9	12.3	11.8	12.2	11.1	10.6
Juan (V) Diversion	11.7	11.1	10.6	11.1	10.0	9.5



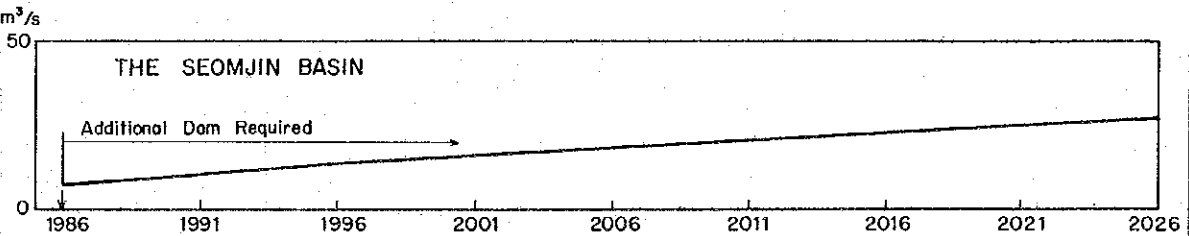
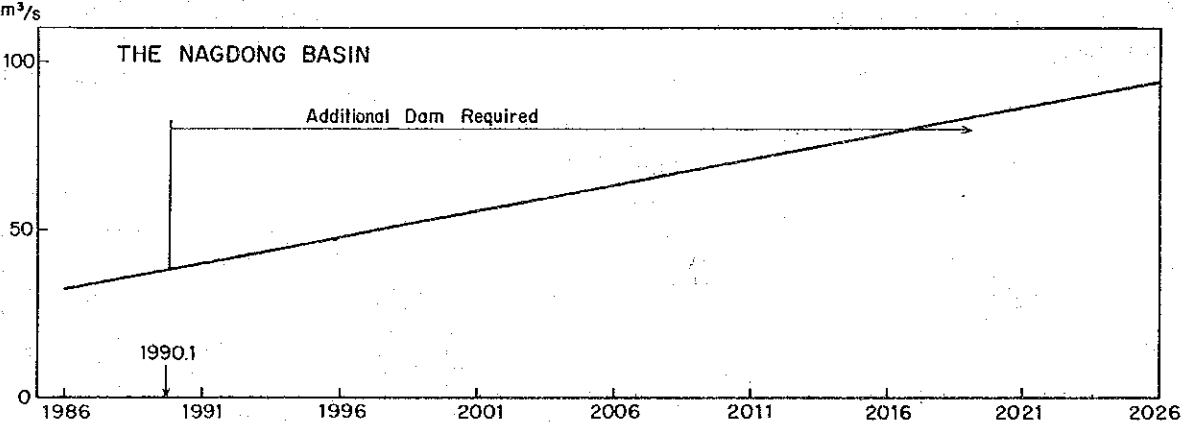
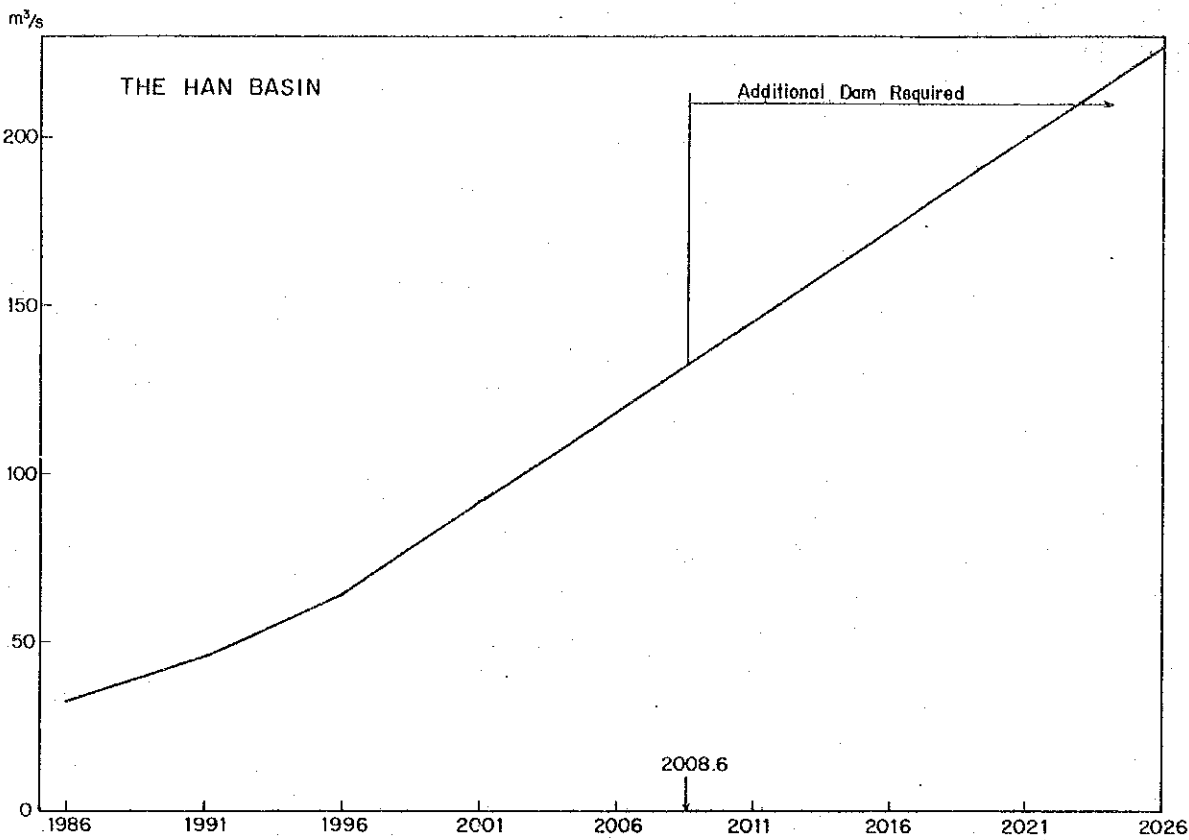


Fig. Q 2 Projected M & I Demand Curve of the Three Basins

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 GOVERNMENT OF THE REPUBLIC OF KOREA
 THE LONG-TERM MULTIPURPOSE DAM SCHEMES
 PRELIMINARY FEASIBILITY STUDY
 JAPAN INTERNATIONAL COOPERATION AGENCY

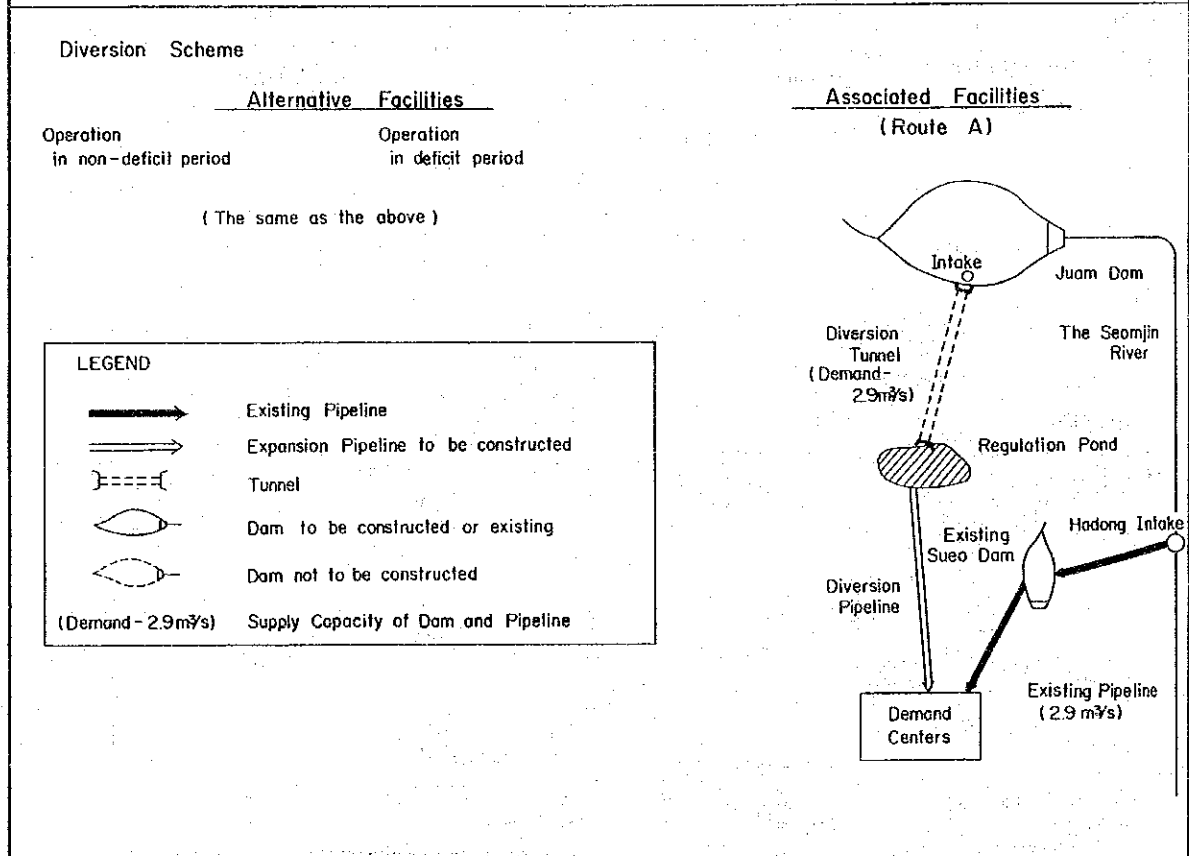
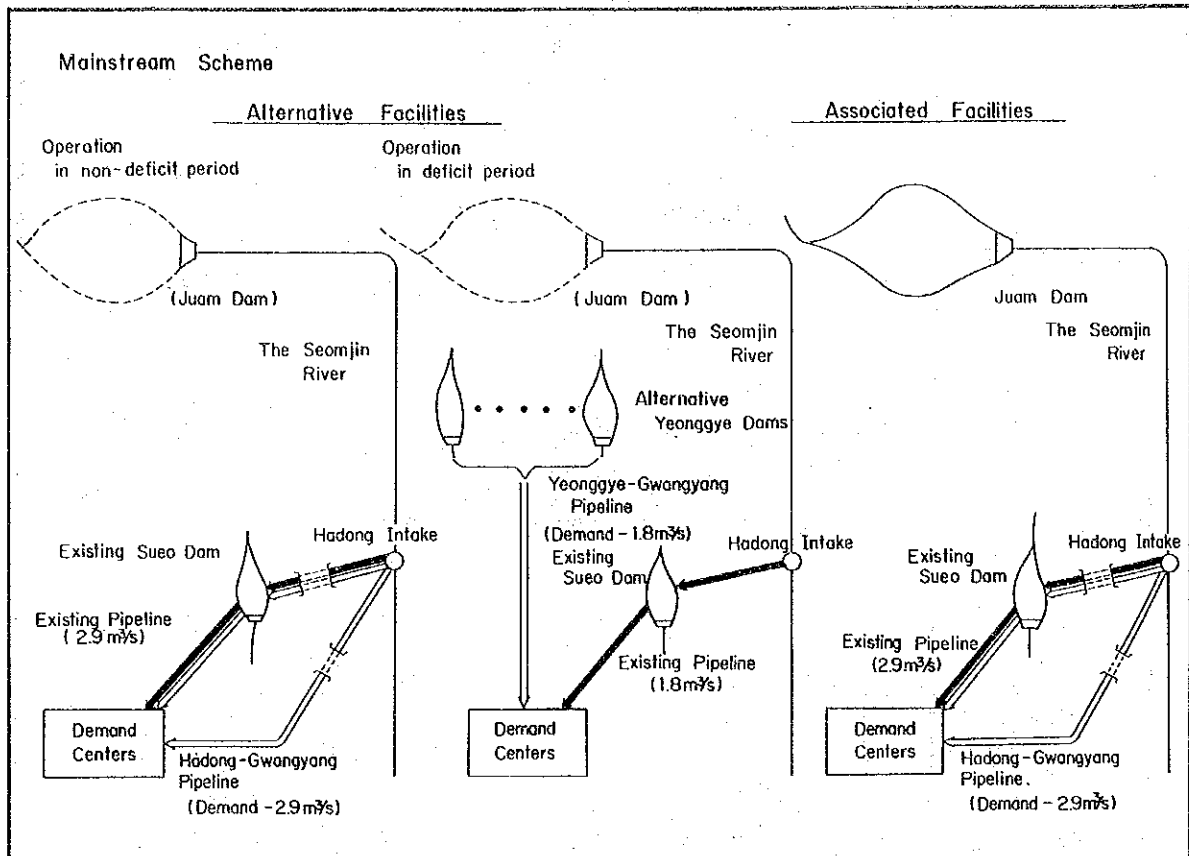


Fig. Q3 Alternative Facilities and Associated Facilities of the Juam Dam Schemes

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 THE LONG-TERM MULTIPURPOSE DAM SCHEMES
 PRELIMINARY FEASIBILITY STUDY
 JAPAN INTERNATIONAL COOPERATION AGENCY

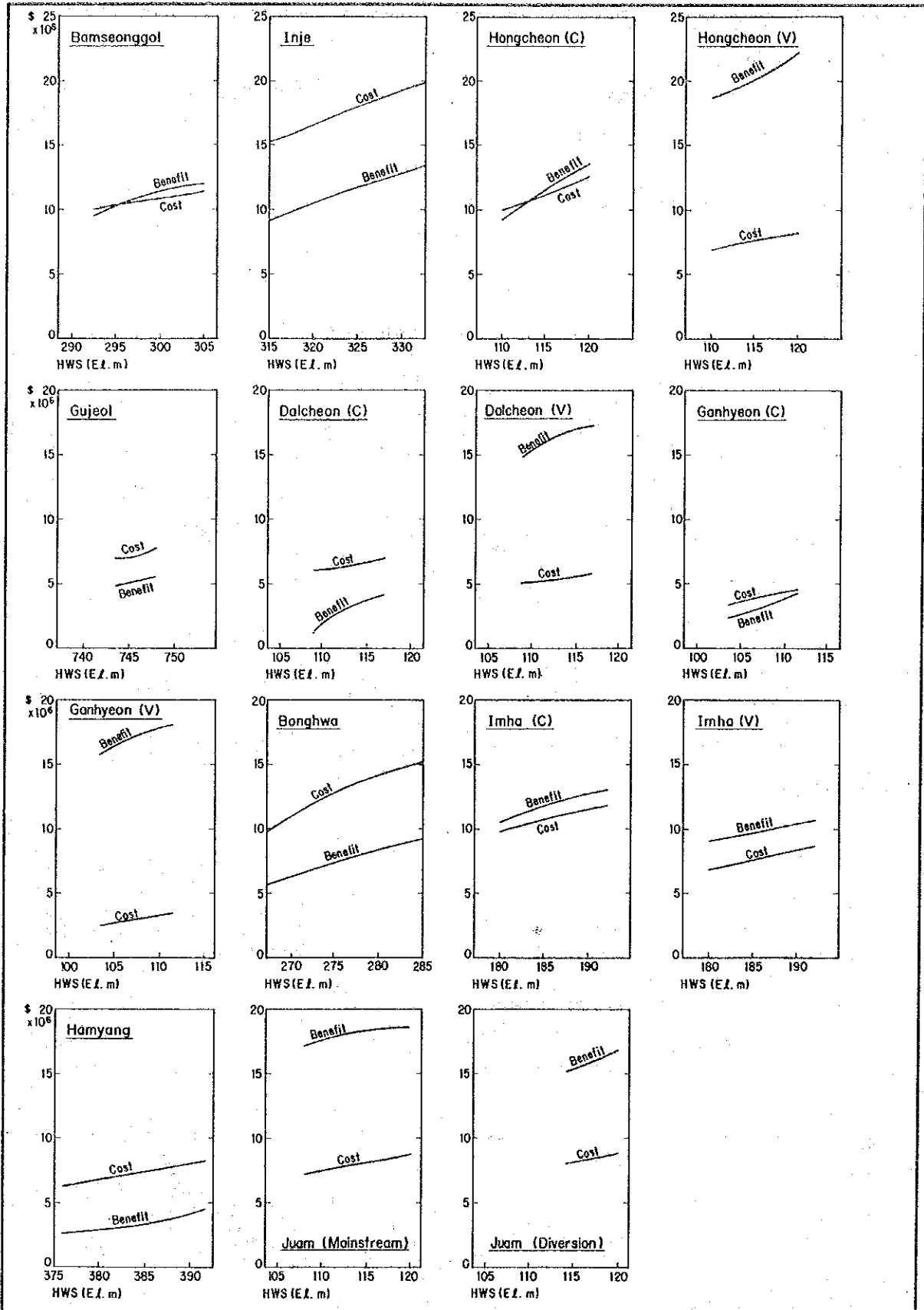
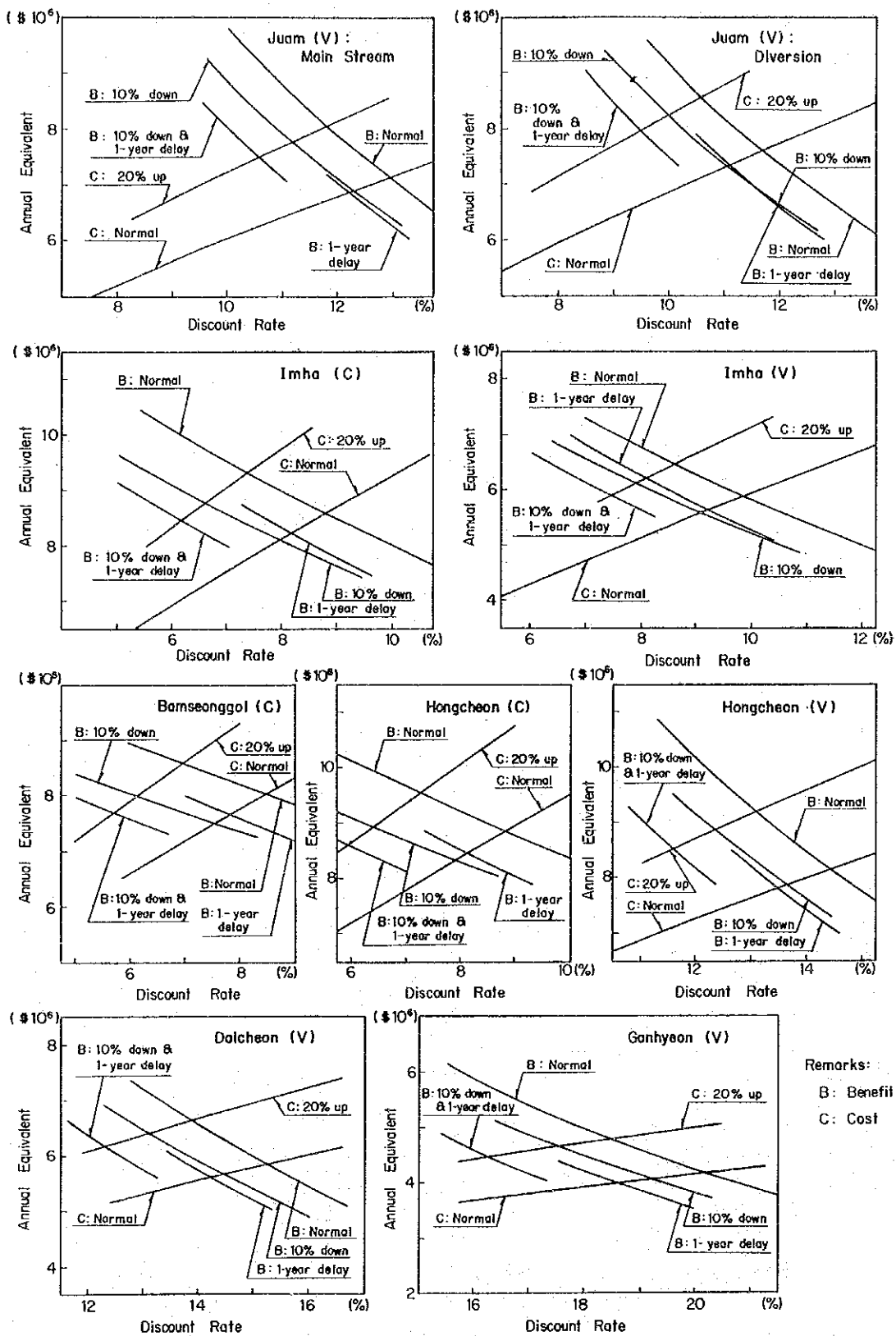


Fig. Q 4 Annual Benefit and Cost of the Proposed Dam Schemes

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 THE LONG-TERM MULTIPURPOSE DAM SCHEMES
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Remarks:
 B: Benefit
 C: Cost

Fig. Q 5 Results of Cash Flow Analysis

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