

Table 6.2-14 Sensitivity Analysis on Project Cost Overrun of 20% (1)

*** STREAMS OF PROJECT COST AND BENEFIT ***

(UNIT : THOUSAND BAHT)

N	YEAR	INT.COST	REP.COST	O&M.COST	TOTAL	PRO.BEN	NET.BEN
1	1984	26559	0	0	26559	-2350	-29009
2	1985	60602	0	0	60602	-1965	-62567
3	1986	74305	0	0	74305	-1348	-75654
4	1987	120514	0	0	120514	-577	-121091
5	1988	130113	0	0	130113	193	-129920
6	1989	130113	0	3770	133883	12913	-116970
7	1990	118264	0	3770	122034	31521	-90513
8	1991	7168	6000	3770	13838	54422	43484
9	1992	7168	6000	3770	13838	82522	65984
10	1993	0	0	3770	3770	111392	107622
11	1994	0	0	3770	3770	123474	124704
12	1995	0	0	3770	3770	138047	134277
13	1996	0	0	3770	3770	145556	141786
14	1997	0	0	3770	3770	145556	141786
15	1998	0	6000	3770	9770	145556	135786
16	1999	0	0	3770	3770	145556	141786
17	2000	0	0	3770	3770	145556	141786
18	2001	0	0	3770	3770	145556	141786
19	2002	0	0	3770	3770	145556	141786
20	2003	0	0	3770	3770	145556	141786
21	2004	0	6000	3770	9770	145556	135786
22	2005	0	0	3770	3770	145556	141786
23	2006	0	0	3770	3770	145556	141786
24	2007	0	0	3770	3770	145556	141786
25	2008	0	0	3770	3770	145556	141786
26	2009	0	0	3770	3770	145556	141786
27	2010	0	6000	3770	9770	145556	135786
28	2011	0	0	3770	3770	145556	141786
29	2012	0	0	3770	3770	145556	141786
30	2013	0	0	3770	3770	145556	141786
31	2014	0	0	3770	3770	145556	141786
32	2015	0	0	3770	3770	145556	141786
33	2016	0	6000	3770	9770	145556	135786
34	2017	0	0	3770	3770	145556	141786
35	2018	0	0	3770	3770	145556	141786
36	2019	0	0	3770	3770	145556	141786
37	2020	0	0	3770	3770	145556	141786
38	2021	0	0	3770	3770	145556	141786
39	2022	0	6000	3770	9770	145556	135786
40	2023	0	0	3770	3770	145556	141786
41	2024	0	0	3770	3770	145556	141786
42	2025	0	0	3770	3770	145556	141786
43	2026	0	0	3770	3770	145556	141786
44	2027	0	0	3770	3770	145556	141786
45	2028	0	6000	3770	9770	145556	135786
46	2029	0	0	3770	3770	145556	141786
47	2030	0	0	3770	3770	145556	141786
48	2031	0	0	3770	3770	145556	141786
49	2032	0	0	3770	3770	145556	141786
50	2033	0	0	3770	3770	145556	141786

Table 6.2-14 Sensitivity Analysis on Project Cost Overrun of 20% (2)

*** PRESENT WORTH OF BENEFIT ***

(UNIT : THOUSAND BAHT)

N	YEAR	B-STREAM	10.00 (%)	11.00 (%)	12.00 (%)	13.00 (%)	14.00 (%)	15.00 (%)	16.00 (%)	17.00 (%)
1	1984	-2350.	-2136.	-2117.	-2098.	-2080.	-2061.	-2043.	-2026.	-2009.
2	1985	-1858.	-1824.	-1805.	-1786.	-1768.	-1750.	-1732.	-1715.	-1698.
3	1986	-1346.	-1313.	-1294.	-1275.	-1257.	-1239.	-1221.	-1204.	-1187.
4	1987	-877.	-854.	-837.	-820.	-803.	-786.	-769.	-752.	-735.
5	1988	180.	120.	115.	110.	105.	100.	95.	92.	88.
6	1989	12813.	7328.	6804.	6282.	5760.	5238.	4716.	4194.	3672.
7	1990	31524.	15175.	15132.	14938.	14744.	14550.	14356.	14162.	13968.
8	1991	54422.	25889.	25615.	25341.	25067.	24793.	24519.	24245.	23971.
9	1992	62672.	35167.	32418.	29503.	27604.	25705.	23806.	21907.	20008.
10	1993	11392.	42448.	38231.	35555.	32879.	30203.	27527.	24851.	22175.
11	1994	226474.	46228.	40763.	35298.	30833.	26368.	21903.	17438.	12973.
12	1995	138047.	43386.	38458.	33530.	28602.	23674.	18746.	13818.	8890.
13	1996	145556.	42184.	37488.	32560.	27632.	22704.	17776.	12848.	7920.
14	1997	145556.	38339.	33768.	29197.	24626.	19055.	14484.	9913.	5342.
15	1998	145556.	34445.	30422.	26850.	23273.	18702.	14131.	9560.	4969.
16	1999	145556.	31577.	27407.	24851.	21274.	16703.	12132.	7561.	2990.
17	2000	145556.	28707.	24851.	21274.	17626.	13055.	8484.	3913.	1011.
18	2001	145556.	25837.	22244.	18528.	14951.	10374.	5793.	1122.	322.
19	2002	145556.	22967.	20040.	15820.	12243.	7652.	3001.	100.	100.
20	2003	145556.	21288.	18054.	14888.	11262.	7652.	3001.	100.	100.
21	2004	145556.	19609.	16265.	12473.	8892.	5149.	2558.	100.	100.
22	2005	145556.	17930.	14486.	10694.	7377.	4221.	1632.	100.	100.
23	2006	145556.	16251.	12707.	8910.	6557.	3304.	100.	100.	100.
24	2007	145556.	14572.	10914.	7058.	5441.	2005.	100.	100.	100.
25	2008	145556.	12893.	9114.	6057.	4221.	100.	100.	100.	100.
26	2009	145556.	11214.	7214.	5058.	3257.	100.	100.	100.	100.
27	2010	145556.	9535.	5335.	4059.	2258.	100.	100.	100.	100.
28	2011	145556.	7856.	3616.	2860.	1259.	100.	100.	100.	100.
29	2012	145556.	6177.	1897.	1661.	661.	100.	100.	100.	100.
30	2013	145556.	4498.	1178.	942.	362.	100.	100.	100.	100.
31	2014	145556.	2819.	559.	559.	100.	100.	100.	100.	100.
32	2015	145556.	1140.	114.	114.	100.	100.	100.	100.	100.
33	2016	145556.	114.	114.	114.	100.	100.	100.	100.	100.
34	2017	145556.	114.	114.	114.	100.	100.	100.	100.	100.
35	2018	145556.	114.	114.	114.	100.	100.	100.	100.	100.
36	2019	145556.	114.	114.	114.	100.	100.	100.	100.	100.
37	2020	145556.	114.	114.	114.	100.	100.	100.	100.	100.
38	2021	145556.	114.	114.	114.	100.	100.	100.	100.	100.
39	2022	145556.	114.	114.	114.	100.	100.	100.	100.	100.
40	2023	145556.	114.	114.	114.	100.	100.	100.	100.	100.
41	2024	145556.	114.	114.	114.	100.	100.	100.	100.	100.
42	2025	145556.	114.	114.	114.	100.	100.	100.	100.	100.
43	2026	145556.	114.	114.	114.	100.	100.	100.	100.	100.
44	2027	145556.	114.	114.	114.	100.	100.	100.	100.	100.
45	2028	145556.	114.	114.	114.	100.	100.	100.	100.	100.
46	2029	145556.	114.	114.	114.	100.	100.	100.	100.	100.
47	2030	145556.	114.	114.	114.	100.	100.	100.	100.	100.
48	2031	145556.	114.	114.	114.	100.	100.	100.	100.	100.
49	2032	145556.	114.	114.	114.	100.	100.	100.	100.	100.
50	2033	145556.	114.	114.	114.	100.	100.	100.	100.	100.

*** PRESENT WORTH OF BENEFIT ***

Table 6.2-14 Sensitivity Analysis on Project Cost Overrun of 20% (3)

*** PRESENT WORTH OF COST ***

N	YEAR	(UNIT : THOUSAND BAHT)									
		C.STREAM	10.00 (%)	11.00 (%)	12.00 (%)	13.00 (%)	14.00 (%)	15.00 (%)	16.00 (%)	17.00 (%)	
1	1984	26659.	24235.	24017.	23803.	23592.	23385.	23182.	22982.	22785.	
2	1985	60602.	59084.	49186.	48312.	47460.	46631.	45824.	45037.	44271.	
3	1986	74306.	59277.	54332.	52890.	51498.	50154.	48857.	47605.	46394.	
4	1987	120514.	83313.	78368.	76888.	75414.	73954.	72504.	71066.	69642.	
5	1988	190113.	118045.	112823.	107876.	103186.	98738.	94520.	90516.	86713.	
6	1989	193883.	108442.	103658.	98227.	93126.	88331.	83821.	79578.	75583.	
7	1990	122034.	63523.	58775.	55202.	51877.	48769.	45877.	43178.	40651.	
8	1991	10898.	5109.	4746.	4418.	4114.	3834.	3576.	3336.	3115.	
9	1992	16838.	7183.	6641.	6108.	5633.	5208.	4815.	4454.	4123.	
10	1993	3770.	1453.	1328.	1214.	1111.	1017.	932.	855.	784.	
11	1994	3770.	1321.	1196.	1084.	989.	902.	810.	737.	670.	
12	1995	3770.	1201.	1078.	968.	870.	782.	705.	636.	573.	
13	1996	3770.	1082.	971.	864.	770.	685.	613.	546.	480.	
14	1997	3770.	963.	875.	781.	702.	628.	563.	502.	449.	
15	1998	3770.	838.	762.	685.	618.	559.	502.	451.	402.	
16	1999	3770.	720.	650.	585.	524.	469.	418.	371.	326.	
17	2000	3770.	608.	540.	480.	424.	372.	324.	280.	238.	
18	2001	3770.	518.	450.	390.	337.	288.	243.	201.	161.	
19	2002	3770.	448.	380.	320.	267.	218.	174.	134.	102.	
20	2003	3770.	380.	312.	252.	199.	150.	107.	70.	37.	
21	2004	3770.	316.	250.	198.	157.	125.	100.	80.	64.	
22	2005	3770.	261.	203.	158.	123.	96.	75.	59.	46.	
23	2006	3770.	208.	153.	111.	84.	65.	51.	40.	30.	
24	2007	3770.	155.	112.	82.	61.	47.	37.	28.	20.	
25	2008	3770.	108.	80.	59.	44.	33.	24.	18.	13.	
26	2009	3770.	74.	55.	41.	30.	22.	16.	12.	9.	
27	2010	3770.	51.	38.	28.	20.	14.	10.	7.	5.	
28	2011	3770.	32.	23.	17.	12.	8.	6.	4.	3.	
29	2012	3770.	20.	14.	10.	7.	5.	4.	3.	2.	
30	2013	3770.	13.	9.	6.	4.	3.	2.	1.	1.	
31	2014	3770.	8.	5.	3.	2.	1.	1.	0.	0.	
32	2015	3770.	5.	3.	2.	1.	0.	0.	0.	0.	
33	2016	3770.	3.	2.	1.	0.	0.	0.	0.	0.	
34	2017	3770.	2.	1.	0.	0.	0.	0.	0.	0.	
35	2018	3770.	1.	0.	0.	0.	0.	0.	0.	0.	
36	2019	3770.	0.	0.	0.	0.	0.	0.	0.	0.	
37	2020	3770.	0.	0.	0.	0.	0.	0.	0.	0.	
38	2021	3770.	0.	0.	0.	0.	0.	0.	0.	0.	
39	2022	3770.	0.	0.	0.	0.	0.	0.	0.	0.	
40	2023	3770.	0.	0.	0.	0.	0.	0.	0.	0.	
41	2024	3770.	0.	0.	0.	0.	0.	0.	0.	0.	
42	2025	3770.	0.	0.	0.	0.	0.	0.	0.	0.	
43	2026	3770.	0.	0.	0.	0.	0.	0.	0.	0.	
44	2027	3770.	0.	0.	0.	0.	0.	0.	0.	0.	
45	2028	3770.	0.	0.	0.	0.	0.	0.	0.	0.	
46	2029	3770.	0.	0.	0.	0.	0.	0.	0.	0.	
47	2030	3770.	0.	0.	0.	0.	0.	0.	0.	0.	
48	2031	3770.	0.	0.	0.	0.	0.	0.	0.	0.	
49	2032	3770.	0.	0.	0.	0.	0.	0.	0.	0.	
50	2033	3770.	0.	0.	0.	0.	0.	0.	0.	0.	
TOTAL		1005557.	536714.	508392.	485828.	465613.	445179.	427787.	410520.	394276.	

Table 6.2-14 Sensitivity Analysis on Project Cost Overrun of 20% (4)

***** CALCULATION OF INTERNAL RATE OF RETURN *****
(UNIT : THOUSAND BAHT)

DISCOUNT RATE	+++++ PRESENT WORTH +++++ BENEFIT	COST	B/C RATIO
10.00 %	652321.	533714.	1.24
11.00 %	553672.	503392.	1.11
12.00 %	463176.	485828.	0.99
13.00 %	416959.	465913.	0.89
14.00 %	361744.	446179.	0.81
15.00 %	315571.	427787.	0.74
16.00 %	275605.	410520.	0.67
17.00 %	243499.	384276.	0.62

INTERNAL RATE OF RETURN ----- 11.9 %

Table 6.2-15 Sensitivity Analysis on One-Year Delay in Project Construction (1)

*** STREAMS OF PROJECT COST AND BENEFIT ***

(UNIT : THOUSAND SAHT)

N	YEAR	INT.COST	REP.COST	O&M.COST	TOTAL	PRO.BEN	NET.BEN
1	1984	22218	0	0	22218	-2350	-24558
2	1985	50502	0	0	50502	-1365	-52467
3	1986	52634	0	0	52634	-1348	-53982
4	1987	85354	0	0	85354	-577	-85931
5	1988	136754	0	0	136754	193	-136561
6	1989	136754	0	3770	140524	810	-139714
7	1990	85851	0	3770	89621	12913	-76718
8	1991	91143	0	3770	94913	31521	-63392
9	1992	7168	6000	3770	16938	54432	37484
10	1993	0	0	3770	3770	82822	79152
11	1994	0	0	3770	3770	111392	107622
12	1995	0	0	3770	3770	128474	124704
13	1996	0	0	3770	3770	138947	134277
14	1997	0	0	3770	3770	145558	141788
15	1998	0	6000	3770	9770	145558	138788
16	1999	0	0	3770	3770	145558	141788
17	2000	0	0	3770	3770	145558	141788
18	2001	0	0	3770	3770	145558	141788
19	2002	0	0	3770	3770	145558	141788
20	2003	0	0	3770	3770	145558	141788
21	2004	0	8000	3770	9770	145558	138788
22	2005	0	0	3770	3770	145558	141788
23	2006	0	0	3770	3770	145558	141788
24	2007	0	0	3770	3770	145558	141788
25	2008	0	0	3770	3770	145558	141788
26	2009	0	6000	3770	9770	145558	141788
27	2010	0	0	3770	3770	145558	138788
28	2011	0	0	3770	3770	145558	141788
29	2012	0	0	3770	3770	145558	141788
30	2013	0	0	3770	3770	145558	141788
31	2014	0	0	3770	3770	145558	141788
32	2015	0	0	3770	3770	145558	141788
33	2016	0	6000	3770	9770	145558	138788
34	2017	0	0	3770	3770	145558	141788
35	2018	0	0	3770	3770	145558	141788
36	2019	0	0	3770	3770	145558	141788
37	2020	0	0	3770	3770	145558	141788
38	2021	0	0	3770	3770	145558	141788
39	2022	0	6000	3770	9770	145558	138788
40	2023	0	0	3770	3770	145558	141788
41	2024	0	0	3770	3770	145558	141788
42	2025	0	0	3770	3770	145558	141788
43	2026	0	0	3770	3770	145558	141788
44	2027	0	0	3770	3770	145558	141788
45	2028	0	6000	3770	9770	145558	138788
46	2029	0	0	3770	3770	145558	141788
47	2030	0	0	3770	3770	145558	141788
48	2031	0	0	3770	3770	145558	141788
49	2032	0	0	3770	3770	145558	141788
50	2033	0	0	3770	3770	145558	141788

Table 6.2-15 Sensitivity Analysis on One-Year Delay in Project Construction (2)

*** PRESENT WORTH OF BENEFIT ***

N	YEAR	B. STREAM	10.00 (%)	11.00 (%)	12.00 (%)	13.00 (%)	14.00 (%)	15.00 (%)	16.00 (%)	17.00 (%)
1	1984	-2350.	-2135.	-2117.	-2098.	-2080.	-2061.	-2043.	-2025.	-2009.
2	1985	-1965.	-1824.	-1806.	-1788.	-1770.	-1751.	-1733.	-1715.	-1699.
3	1986	-1348.	-1013.	-986.	-959.	-932.	-905.	-878.	-851.	-825.
4	1987	-577.	-394.	-380.	-367.	-354.	-342.	-330.	-318.	-308.
5	1988	130.	115.	115.	110.	105.	100.	96.	92.	88.
6	1989	810.	657.	633.	610.	589.	568.	550.	532.	516.
7	1990	12813.	8676.	8221.	7841.	7488.	7161.	6854.	6563.	6287.
8	1991	31521.	14705.	13678.	12731.	11867.	11050.	10304.	9615.	8977.
9	1992	54422.	23080.	21275.	19635.	18116.	16735.	15470.	14327.	13247.
10	1993	82822.	31970.	28204.	24858.	21428.	18258.	16497.	14957.	13551.
11	1994	113352.	39042.	35343.	32033.	28040.	24557.	22843.	21388.	19907.
12	1995	138474.	49336.	45723.	42475.	38640.	35178.	32013.	29148.	26481.
13	1996	138047.	39887.	36548.	33595.	30640.	28134.	24013.	21543.	19526.
14	1997	145556.	38328.	34788.	32975.	29640.	26571.	24013.	21543.	19526.
15	1998	145556.	34345.	30422.	26593.	23273.	20332.	17888.	15708.	13812.
16	1999	145556.	31577.	27407.	23743.	20586.	17858.	15555.	13543.	11805.
17	2000	145556.	28737.	24891.	21199.	18226.	15891.	13626.	11676.	10090.
18	2001	145556.	26180.	22244.	18928.	16129.	13754.	11752.	10064.	8624.
19	2002	145556.	23800.	20040.	16900.	14274.	12074.	10228.	8676.	7371.
20	2003	145556.	21635.	18054.	15035.	12932.	10951.	9284.	7478.	6300.
21	2004	145556.	19665.	16265.	13473.	11178.	9390.	7733.	6448.	5384.
22	2005	145556.	17881.	14653.	12033.	9882.	8143.	6725.	5682.	4602.
23	2006	145556.	16255.	13201.	10740.	8754.	7143.	5848.	4822.	3862.
24	2007	145556.	14772.	11883.	9690.	7747.	6271.	5085.	4131.	3362.
25	2008	145556.	13443.	10714.	8652.	6856.	5601.	4422.	3561.	2872.
26	2009	145556.	12213.	9652.	7645.	6087.	4825.	3845.	3070.	2456.
27	2010	145556.	11103.	8656.	6836.	5333.	4233.	3343.	2646.	2092.
28	2011	145556.	10099.	7834.	6084.	4752.	3743.	2907.	2281.	1784.
29	2012	145556.	9176.	7058.	5441.	4208.	3257.	2528.	1967.	1533.
30	2013	145556.	8324.	6258.	4858.	3721.	2857.	2188.	1685.	1311.
31	2014	145556.	7531.	5528.	4338.	3283.	2506.	1912.	1462.	1120.
32	2015	145556.	6844.	4845.	3873.	2814.	2138.	1662.	1280.	957.
33	2016	145556.	6217.	4245.	3456.	2475.	1875.	1445.	1088.	818.
34	2017	145556.	5637.	3718.	3098.	2282.	1691.	1257.	936.	699.
35	2018	145556.	5115.	3274.	2757.	2020.	1484.	1093.	807.	588.
36	2019	145556.	4628.	2838.	2431.	1787.	1382.	950.	685.	511.
37	2020	145556.	4238.	2488.	2138.	1582.	1142.	828.	600.	437.
38	2021	145556.	3891.	2192.	1862.	1400.	1001.	718.	517.	373.
39	2022	145556.	3588.	1936.	1612.	1235.	878.	625.	446.	318.
40	2023	145556.	3323.	1739.	1464.	1088.	771.	543.	384.	273.
41	2024	145556.	3087.	1587.	1317.	970.	678.	473.	331.	233.
42	2025	145556.	2876.	1447.	1177.	858.	593.	411.	285.	199.
43	2026	145556.	2687.	1313.	1047.	750.	520.	357.	246.	170.
44	2027	145556.	2517.	1175.	924.	672.	456.	311.	212.	145.
45	2028	145556.	2367.	1057.	804.	596.	400.	270.	183.	124.
46	2029	145556.	2237.	929.	703.	527.	351.	235.	158.	106.
47	2030	145556.	2115.	817.	628.	466.	308.	204.	136.	91.
48	2031	145556.	1999.	722.	562.	412.	278.	178.	117.	78.
49	2032	145556.	1887.	643.	504.	365.	247.	154.	101.	66.
50	2033	145556.	1780.	579.	454.	323.	220.	134.	87.	57.

10111 5550025 6013611 507149 432645 353453 316805 274036 239075 207733

Table 6.2-15 Sensitivity Analysis on One-Year Delay in Project Construction (3)

*** PRESENT WORTH OF COST ***

N	YEAR	(UNIT : THOUSAND BART)									
		C-STREAM	10.00 (%)	11.00 (%)	12.00 (%)	13.00 (%)	14.00 (%)	15.00 (%)	15.00 (%)	15.00 (%)	17.00 (%)
1	1984	2218.	2018.	20014.	19886.	19580.	18488.	18318.	18152.	18088.	
2	1985	50502.	41737.	40988.	40280.	39580.	38880.	38187.	37531.	36882.	
3	1986	52634.	39448.	38488.	37484.	36478.	35526.	34508.	33720.	32863.	
4	1987	86384.	58306.	56282.	54250.	52302.	50542.	48807.	47146.	45555.	
5	1988	136754.	89313.	81167.	77688.	74235.	70926.	67831.	65100.	62375.	
6	1989	140624.	79322.	75130.	71194.	67498.	64021.	60752.	57677.	54782.	
7	1990	35531.	46985.	43172.	40545.	38038.	35820.	33936.	31714.	29886.	
8	1991	44278.	41185.	39334.	35709.	33273.	31027.	28551.	27030.	25423.	
9	1992	18938.	7183.	8621.	8108.	8638.	8209.	8815.	4454.	4123.	
10	1993	3770.	1458.	1328.	1214.	1111.	1017.	932.	858.	784.	
11	1994	3770.	1321.	1198.	1094.	999.	882.	787.	707.	670.	
12	1995	3770.	1201.	1078.	968.	870.	782.	708.	636.	573.	
13	1996	3770.	1092.	971.	864.	770.	686.	613.	546.	480.	
14	1997	3770.	983.	875.	771.	681.	602.	533.	472.	419.	
15	1998	3770.	2388.	2042.	1785.	1582.	1388.	1201.	1054.	927.	
16	1999	3770.	820.	710.	615.	533.	463.	403.	351.	308.	
17	2000	3770.	745.	640.	548.	472.	406.	360.	321.	281.	
18	2001	3770.	678.	578.	490.	418.	356.	305.	261.	223.	
19	2002	3770.	618.	518.	438.	370.	313.	265.	225.	191.	
20	2003	3770.	560.	468.	391.	327.	274.	230.	194.	163.	
21	2004	3770.	1320.	1062.	804.	750.	624.	519.	433.	361.	
22	2005	3770.	483.	380.	312.	256.	211.	174.	144.	118.	
23	2006	3770.	421.	342.	278.	227.	185.	151.	124.	102.	
24	2007	3770.	383.	303.	248.	201.	162.	132.	107.	87.	
25	2008	3770.	343.	278.	222.	178.	142.	115.	92.	74.	
26	2009	3770.	316.	250.	198.	157.	126.	100.	80.	64.	
27	2010	3770.	245.	184.	138.	104.	84.	66.	51.	40.	
28	2011	3770.	291.	203.	158.	123.	96.	75.	59.	46.	
29	2012	3770.	238.	163.	126.	96.	74.	57.	44.	34.	
30	2013	3770.	216.	153.	118.	93.	74.	57.	44.	34.	
31	2014	3770.	199.	148.	112.	86.	68.	50.	39.	30.	
32	2015	3770.	179.	134.	100.	75.	57.	43.	33.	26.	
33	2016	3770.	421.	312.	234.	173.	128.	97.	73.	58.	
34	2017	3770.	148.	108.	80.	58.	44.	33.	24.	18.	
35	2018	3770.	134.	98.	74.	55.	41.	30.	21.	15.	
36	2019	3770.	122.	88.	64.	46.	34.	25.	18.	13.	
37	2020	3770.	111.	78.	57.	41.	30.	21.	15.	11.	
38	2021	3770.	101.	71.	51.	36.	26.	19.	13.	10.	
39	2022	3770.	237.	167.	118.	83.	59.	42.	30.	21.	
40	2023	3770.	83.	58.	41.	28.	20.	14.	10.	7.	
41	2024	3770.	78.	52.	36.	25.	18.	12.	9.	6.	
42	2025	3770.	47.	32.	22.	15.	11.	8.	6.	4.	
43	2026	3770.	63.	42.	28.	19.	13.	9.	6.	4.	
44	2027	3770.	57.	38.	26.	17.	12.	8.	6.	4.	
45	2028	3770.	134.	83.	58.	40.	27.	19.	14.	9.	
46	2029	3770.	47.	31.	21.	14.	9.	6.	4.	3.	
47	2030	3770.	43.	28.	18.	12.	8.	6.	4.	3.	
48	2031	3770.	38.	25.	16.	11.	7.	5.	3.	2.	
49	2032	3770.	33.	21.	13.	9.	6.	4.	3.	2.	
50	2033	3770.	32.	20.	13.	8.	6.	4.	3.	2.	
TOTAL		830045.	440333.	418823.	398959.	380517.	363637.	347613.	332730.	318781.	

Table 6.2-15 Sensitivity Analysis on One-Year Delay in Project Construction (4)

***** CALCULATION OF INTERNAL RATE OF RETURN *****
(UNIT : THOUSAND BAHT)

DISCOUNT RATE	+++++ PRESENT BENEFIT	+++++ COST	B/C RATIO
10.00 %	500981.	440333.	1.36
11.00 %	507043.	418829.	1.21
12.00 %	490845.	398993.	1.08
13.00 %	368453.	380617.	0.97
14.00 %	316926.	363537.	0.87
15.00 %	274036.	347613.	0.79
16.00 %	238079.	332730.	0.72
17.00 %	207731.	318791.	0.65

INTERNAL RATE OF RETURN ----- 12.7 %

Table 6.2-16 Sensitivity Analysis on Two-Year Delay in Project Construction (1)

*** STREAMS OF PROJECT COST AND BENEFIT ***

N	YEAR	INT.COST	REP.COST	O&M.COST	TOTAL	PRO.BEN	NET.BEN
1	1984	22216	0	0	22216	-2350	-24566
2	1985	50502	0	0	50502	-1966	-52468
3	1986	46422	0	0	46422	-1348	-47770
4	1987	85364	0	0	85364	-577	-85941
5	1988	121508	0	0	121508	193	-121315
6	1989	121508	0	3770	125278	810	-124468
7	1990	78503	0	3770	80373	1195	-78178
8	1991	77148	0	3770	80918	12913	-68005
9	1992	77148	6000	3770	86918	31621	-55297
10	1993	0	0	3770	3770	54422	50652
11	1994	0	0	3770	3770	82822	79152
12	1995	0	0	3770	3770	111382	107622
13	1996	0	0	3770	3770	128474	124704
14	1997	0	0	3770	3770	138047	134277
15	1998	0	5000	3770	8770	145556	135786
16	1999	0	0	3770	3770	145556	141786
17	2000	0	0	3770	3770	145556	141786
18	2001	0	0	3770	3770	145556	141786
19	2002	0	0	3770	3770	145556	141786
20	2003	0	0	3770	3770	145556	141786
21	2004	0	6000	3770	9770	145556	135786
22	2005	0	0	3770	3770	145556	141786
23	2006	0	0	3770	3770	145556	141786
24	2007	0	0	3770	3770	145556	141786
25	2008	0	0	3770	3770	145556	141786
26	2009	0	0	3770	3770	145556	141786
27	2010	0	6000	3770	9770	145556	135786
28	2011	0	0	3770	3770	145556	141786
29	2012	0	0	3770	3770	145556	141786
30	2013	0	0	3770	3770	145556	141786
31	2014	0	0	3770	3770	145556	141786
32	2015	0	0	3770	3770	145556	141786
33	2016	0	6000	3770	9770	145556	135786
34	2017	0	0	3770	3770	145556	141786
35	2018	0	0	3770	3770	145556	141786
36	2019	0	0	3770	3770	145556	141786
37	2020	0	0	3770	3770	145556	141786
38	2021	0	0	3770	3770	145556	141786
39	2022	0	6000	3770	9770	145556	135786
40	2023	0	0	3770	3770	145556	141786
41	2024	0	0	3770	3770	145556	141786
42	2025	0	0	3770	3770	145556	141786
43	2026	0	0	3770	3770	145556	141786
44	2027	0	0	3770	3770	145556	141786
45	2028	0	6000	3770	9770	145556	135786
46	2029	0	0	3770	3770	145556	141786
47	2030	0	0	3770	3770	145556	141786
48	2031	0	0	3770	3770	145556	141786
49	2032	0	0	3770	3770	145556	141786
50	2033	0	0	3770	3770	145556	141786

(UNIT : THOUSAND BAHT)

Table 6.2-16 Sensitivity Analysis on Two-Year Delay in Project Construction (2)

*** PRESENT WORTH OF BENEFIT ***

N	YEAR	(UNIT : THOUSAND BAHT)									
		B. STREAM	10.00 (%)	11.00 (%)	12.00 (%)	13.00 (%)	14.00 (%)	15.00 (%)	15.00 (%)	15.00 (%)	17.00 (%)
1	1984	-2350.	-2135.	-2117.	-2088.	-2080.	-2081.	-2043.	-2026.	-2009.	
2	1985	-1355.	-1624.	-1595.	-1555.	-1539.	-1512.	-1486.	-1480.	-1435.	
3	1986	-1348.	-1013.	-986.	-959.	-934.	-910.	-886.	-884.	-842.	
4	1987	-577.	-384.	-380.	-357.	-354.	-342.	-330.	-319.	-308.	
5	1988	183.	120.	115.	110.	105.	100.	96.	92.	88.	
6	1989	810.	467.	433.	410.	389.	369.	350.	332.	318.	
7	1990	1195.	613.	576.	541.	508.	478.	449.	423.	398.	
8	1991	12913.	6024.	5603.	5215.	4857.	4527.	4221.	3933.	3677.	
9	1992	31521.	13358.	12322.	11357.	10483.	9683.	8950.	8289.	7672.	
10	1993	54422.	20882.	19187.	17522.	16032.	14580.	13452.	12307.	11322.	
11	1994	82322.	28064.	26310.	23838.	21518.	19621.	17824.	16204.	14744.	
12	1995	11332.	35483.	31840.	28592.	25598.	23120.	20820.	18765.	16928.	
13	1996	128474.	37214.	33084.	29443.	26230.	23351.	20831.	18558.	16688.	
14	1997	138047.	36352.	32029.	28247.	24842.	22048.	19510.	17283.	15328.	
15	1998	145556.	34845.	30422.	26553.	23278.	20382.	17888.	15709.	13812.	
16	1999	145556.	31677.	27407.	23743.	20586.	17888.	15328.	13543.	11806.	
17	2000	145556.	28787.	24581.	21159.	18226.	15591.	13528.	11676.	10090.	
18	2001	145556.	26180.	22344.	18828.	16129.	13784.	11782.	10064.	8624.	
19	2002	145556.	23800.	20300.	16800.	14274.	12074.	10228.	8678.	7373.	
20	2003	145556.	21826.	18354.	15089.	12592.	10591.	8934.	7479.	6300.	
21	2004	145556.	19685.	16365.	13473.	11179.	9290.	7793.	6448.	5384.	
22	2005	145556.	17881.	14853.	12029.	9882.	8149.	6726.	5558.	4602.	
23	2006	145556.	16255.	13201.	10740.	8754.	7149.	5948.	4752.	3933.	
24	2007	145556.	14778.	11833.	9550.	7747.	6271.	5085.	4131.	3362.	
25	2008	145556.	13434.	10714.	8552.	6856.	5501.	4421.	3561.	2873.	
26	2009	145556.	12213.	9637.	7645.	6097.	4825.	3846.	3070.	2458.	
27	2010	145556.	11106.	8699.	6828.	5389.	4233.	3343.	2545.	2038.	
28	2011	145556.	10093.	7834.	6094.	4752.	3719.	2907.	2219.	1794.	
29	2012	145556.	9175.	7058.	5441.	4205.	3257.	2528.	1967.	1533.	
30	2013	145556.	8342.	6338.	4858.	3721.	2867.	2198.	1685.	1311.	
31	2014	145556.	7583.	5728.	4338.	3330.	2506.	1912.	1452.	1120.	
32	2015	145556.	6894.	5181.	3873.	2972.	2188.	1662.	1280.	957.	
33	2016	145556.	6297.	4639.	3458.	2614.	1988.	1446.	1086.	818.	
34	2017	145556.	5697.	4183.	3088.	2382.	1791.	1267.	938.	688.	
35	2018	145556.	5175.	3773.	2767.	2020.	1584.	1083.	807.	598.	
36	2019	145556.	4709.	3399.	2461.	1787.	1302.	960.	696.	511.	
37	2020	145556.	4281.	3063.	2168.	1582.	1142.	800.	595.	457.	
38	2021	145556.	3881.	2758.	1862.	1400.	1001.	670.	517.	373.	
39	2022	145556.	3538.	2499.	1564.	1139.	878.	615.	443.	315.	
40	2023	145556.	3216.	2239.	1264.	1096.	771.	543.	384.	273.	
41	2024	145556.	2924.	2017.	997.	970.	676.	501.	361.	233.	
42	2025	145556.	2658.	1817.	1247.	938.	653.	470.	331.	199.	
43	2026	145556.	2418.	1637.	1113.	898.	617.	441.	339.	170.	
44	2027	145556.	2187.	1476.	994.	842.	520.	397.	246.	145.	
45	2028	145556.	1987.	1323.	888.	760.	458.	311.	212.	124.	
46	2029	145556.	1815.	1197.	793.	695.	400.	270.	183.	108.	
47	2030	145556.	1650.	1093.	708.	637.	351.	235.	158.	91.	
48	2031	145556.	1500.	974.	632.	582.	308.	204.	138.	78.	
49	2032	145556.	1364.	886.	564.	527.	270.	178.	117.	68.	
50	2033	145556.	1240.	799.	504.	464.	237.	154.	97.	57.	
TOTAL		5799993.	518415.	465212.	364395.	285779.	227766.	186364.	150502.	117332.	

Table 6.2-16 Sensitivity Analysis on Two-Year Delay in Project Construction (5)
*** PRESENT WORTH OF COST ***

		(UNIT : THOUSAND EAHT)									
N	YEAR	C-STREAM	10.00 (%)	11.00 (%)	12.00 (%)	13.00 (%)	14.00 (%)	15.00 (%)	15.00 (%)	15.00 (%)	17.00 (%)
1	1984	22218.	20196.	20014.	19936.	19660.	19489.	19318.	19152.	18988.	
1	1985	50502.	41737.	40968.	40250.	39550.	38860.	38187.	37531.	36892.	
3	1988	48422.	34878.	33843.	33042.	32173.	31334.	30523.	29741.	28985.	
4	1987	86364.	58305.	56232.	54250.	52356.	50542.	48807.	47146.	45535.	
10	1988	121508.	75447.	72108.	68947.	65950.	63108.	60411.	57852.	55421.	
11	1988	125278.	70718.	66878.	63470.	60173.	57075.	54161.	51419.	48938.	
11	1990	80373.	41344.	38712.	36357.	34153.	32120.	30215.	28438.	26750.	
11	1991	80918.	37749.	35112.	32881.	30438.	28367.	26452.	24682.	23044.	
11	1992	86918.	36962.	33978.	31344.	28934.	26728.	24708.	22865.	21156.	
11	1993	3770.	1463.	1328.	1214.	1114.	1017.	932.	855.	784.	
11	1994	3770.	1321.	1186.	1084.	983.	882.	791.	707.	630.	
11	1995	3770.	1201.	1078.	968.	870.	782.	703.	635.	573.	
13	1986	3770.	1052.	931.	824.	730.	648.	573.	508.	450.	
14	1987	3770.	933.	816.	711.	621.	542.	472.	413.	361.	
15	1988	3770.	820.	704.	605.	522.	453.	392.	337.	292.	
16	1989	3770.	748.	640.	549.	472.	403.	342.	291.	250.	
17	2000	3770.	678.	576.	490.	412.	355.	305.	261.	223.	
18	2001	3770.	616.	518.	438.	370.	313.	265.	225.	191.	
19	2002	3770.	560.	463.	381.	327.	280.	239.	194.	163.	
20	2003	3770.	500.	404.	324.	270.	234.	199.	153.	121.	
21	2004	3770.	443.	347.	267.	213.	177.	141.	104.	77.	
22	2005	3770.	388.	292.	212.	158.	122.	86.	50.	24.	
23	2006	3770.	333.	237.	157.	103.	67.	31.	0.	0.	
24	2007	3770.	278.	182.	102.	58.	22.	0.	0.	0.	
25	2008	3770.	223.	127.	47.	0.	0.	0.	0.	0.	
26	2009	3770.	168.	72.	0.	0.	0.	0.	0.	0.	
27	2010	3770.	113.	26.	0.	0.	0.	0.	0.	0.	
28	2011	3770.	58.	0.	0.	0.	0.	0.	0.	0.	
29	2012	3770.	3.	0.	0.	0.	0.	0.	0.	0.	
30	2013	3770.	0.	0.	0.	0.	0.	0.	0.	0.	
31	2014	3770.	0.	0.	0.	0.	0.	0.	0.	0.	
32	2015	3770.	0.	0.	0.	0.	0.	0.	0.	0.	
33	2016	3770.	0.	0.	0.	0.	0.	0.	0.	0.	
34	2017	3770.	0.	0.	0.	0.	0.	0.	0.	0.	
35	2018	3770.	0.	0.	0.	0.	0.	0.	0.	0.	
36	2019	3770.	0.	0.	0.	0.	0.	0.	0.	0.	
37	2020	3770.	0.	0.	0.	0.	0.	0.	0.	0.	
38	2021	3770.	0.	0.	0.	0.	0.	0.	0.	0.	
39	2022	3770.	0.	0.	0.	0.	0.	0.	0.	0.	
40	2023	3770.	0.	0.	0.	0.	0.	0.	0.	0.	
41	2024	3770.	0.	0.	0.	0.	0.	0.	0.	0.	
42	2025	3770.	0.	0.	0.	0.	0.	0.	0.	0.	
43	2026	3770.	0.	0.	0.	0.	0.	0.	0.	0.	
44	2027	3770.	0.	0.	0.	0.	0.	0.	0.	0.	
45	2028	3770.	0.	0.	0.	0.	0.	0.	0.	0.	
46	2029	3770.	0.	0.	0.	0.	0.	0.	0.	0.	
47	2030	3770.	0.	0.	0.	0.	0.	0.	0.	0.	
48	2031	3770.	0.	0.	0.	0.	0.	0.	0.	0.	
49	2032	3770.	0.	0.	0.	0.	0.	0.	0.	0.	
50	2033	3770.	0.	0.	0.	0.	0.	0.	0.	0.	
TOTAL		830055.	435952.	412913.	395591.	374910.	357393.	341194.	326061.	311978.	

Table 6.2-16 Sensitivity Analysis on Two-Year Delay in Project Construction (4)

***** CALCULATION OF INTERNAL RATE OF RETURN *****
(UNIT : THOUSAND BAHT)

DISCOUNT RATE	+++++ PRESENT WORTH	COST	E/C RATIO
	BENEFIT		
10.00 %	545415.	435992.	1.25
11.00 %	456212.	413913.	1.10
12.00 %	384285.	393591.	0.98
13.00 %	325779.	374810.	0.87
14.00 %	277766.	357393.	0.78
15.00 %	238064.	341194.	0.70
16.00 %	205002.	326081.	0.63
17.00 %	177289.	311978.	0.57

INTERNAL RATE OF RETURN ----- 11.8 %

Table 6.2-17 Sensitivity Analysis on 10% Decrease in Target Yields (1)

*** STREAMS OF PROJECT COST AND BENEFIT ***

(UNIT : THOUSAND SAHT)

N	YEAR	INT.COST	REP.COST	O&M.COST	TOTAL	PRO.BEN	NET.BEN
1	1984	22218	0	0	22218	-2350	-24568
2	1985	50502	0	0	50502	-1985	-52487
3	1986	51922	0	0	51922	-1348	-53270
4	1987	100428	0	0	100428	-577	-101005
5	1988	158522	0	0	158522	183	-158339
6	1989	158522	0	3770	162292	10965	-162426
7	1990	88748	0	3770	102518	26553	-78865
8	1991	7168	0	3770	10888	45690	-34762
9	1992	7168	6000	3770	13938	52282	52354
10	1993	0	0	3770	3770	52885	89125
11	1994	0	0	3770	3770	107056	103286
12	1995	0	0	3770	3770	115498	112728
13	1996	0	0	3770	3770	121218	117448
14	1997	0	0	3770	3770	121218	117448
15	1998	0	8000	3770	9770	121218	111448
16	1999	0	0	3770	3770	121218	117448
17	2000	0	0	3770	3770	121218	117448
18	2001	0	0	3770	3770	121218	117448
19	2002	0	0	3770	3770	121218	117448
20	2003	0	0	3770	3770	121218	117448
21	2004	0	5000	3770	9770	121218	117448
22	2005	0	0	3770	3770	121218	117448
23	2006	0	0	3770	3770	121218	117448
24	2007	0	0	3770	3770	121218	117448
25	2008	0	0	3770	3770	121218	117448
26	2009	0	8000	3770	9770	121218	117448
27	2010	0	0	3770	3770	121218	117448
28	2011	0	0	3770	3770	121218	117448
29	2012	0	0	3770	3770	121218	117448
30	2013	0	0	3770	3770	121218	117448
31	2014	0	0	3770	3770	121218	117448
32	2015	0	0	3770	3770	121218	117448
33	2016	0	5000	3770	9770	121218	117448
34	2017	0	0	3770	3770	121218	117448
35	2018	0	0	3770	3770	121218	117448
36	2019	0	0	3770	3770	121218	117448
37	2020	0	0	3770	3770	121218	117448
38	2021	0	0	3770	3770	121218	117448
39	2022	0	8000	3770	9770	121218	117448
40	2023	0	0	3770	3770	121218	117448
41	2024	0	0	3770	3770	121218	117448
42	2025	0	0	3770	3770	121218	117448
43	2026	0	0	3770	3770	121218	117448
44	2027	0	0	3770	3770	121218	117448
45	2028	0	8000	3770	9770	121218	117448
46	2029	0	0	3770	3770	121218	117448
47	2030	0	0	3770	3770	121218	117448
48	2031	0	0	3770	3770	121218	117448
49	2032	0	0	3770	3770	121218	117448
50	2033	0	0	3770	3770	121218	117448

Table 6.2-17 Sensitivity Analysis on 10% Decrease in Target Yields (2)

*** PRESENT WORTH OF BENEFIT ***

(UNIT : THOUSAND BAHT)

N	YEAR	8.00 (%)	10.00 (%)	11.00 (%)	12.00 (%)	13.00 (%)	14.00 (%)	15.00 (%)	16.00 (%)	17.00 (%)
1	1984	-2350.	-2138.	-2117.	-2088.	-2050.	-2061.	-2043.	-2028.	-2009.
2	1985	-1955.	-1824.	-1806.	-1766.	-1738.	-1751.	-1736.	-1720.	-1705.
3	1986	-1348.	-1213.	-1196.	-1156.	-1128.	-1141.	-1126.	-1110.	-1095.
4	1987	-577.	-384.	-367.	-324.	-304.	-312.	-300.	-288.	-276.
5	1988	193.	120.	115.	110.	105.	100.	96.	92.	88.
6	1989	10958.	6190.	5863.	5556.	5257.	4956.	4741.	4501.	4276.
7	1990	26553.	13339.	12056.	10556.	9431.	8431.	7520.	6711.	5981.
8	1991	45590.	21315.	18626.	15453.	13187.	11507.	10036.	8837.	7762.
9	1992	65382.	29387.	24881.	20558.	17366.	15058.	13282.	11658.	10158.
10	1993	82355.	39315.	32716.	26310.	21909.	18921.	16529.	14529.	12705.
11	1994	107056.	52522.	43667.	35778.	29377.	24180.	20174.	17504.	15458.
12	1995	115498.	57120.	47300.	38902.	32748.	27480.	23178.	19915.	17458.
13	1996	121218.	61113.	50113.	41804.	35301.	29360.	24502.	20715.	18058.
14	1997	121218.	61120.	50122.	41804.	35301.	29360.	24502.	20715.	18058.
15	1998	121218.	61116.	50116.	41802.	35299.	29358.	24499.	20712.	18055.
16	1999	121218.	61118.	50118.	41802.	35299.	29358.	24499.	20712.	18055.
17	2000	121218.	61122.	50122.	41806.	35302.	29362.	24502.	20715.	18058.
18	2001	121218.	61120.	50120.	41804.	35300.	29360.	24500.	20713.	18056.
19	2002	121218.	61120.	50120.	41804.	35300.	29360.	24500.	20713.	18056.
20	2003	121218.	61118.	50118.	41802.	35298.	29358.	24498.	20711.	18054.
21	2004	121218.	61120.	50120.	41804.	35300.	29360.	24500.	20713.	18056.
22	2005	121218.	61121.	50121.	41804.	35301.	29360.	24500.	20713.	18056.
23	2006	121218.	61121.	50121.	41804.	35301.	29360.	24500.	20713.	18056.
24	2007	121218.	61120.	50120.	41804.	35300.	29360.	24500.	20713.	18056.
25	2008	121218.	61118.	50118.	41802.	35298.	29358.	24498.	20711.	18054.
26	2009	121218.	61117.	50117.	41802.	35298.	29358.	24498.	20711.	18054.
27	2010	121218.	61115.	50115.	41800.	35296.	29356.	24496.	20709.	18052.
28	2011	121218.	61115.	50115.	41800.	35296.	29356.	24496.	20709.	18052.
29	2012	121218.	61115.	50115.	41800.	35296.	29356.	24496.	20709.	18052.
30	2013	121218.	61118.	50118.	41802.	35298.	29358.	24498.	20711.	18054.
31	2014	121218.	61115.	50115.	41800.	35296.	29356.	24496.	20709.	18052.
32	2015	121218.	61115.	50115.	41800.	35296.	29356.	24496.	20709.	18052.
33	2016	121218.	61115.	50115.	41800.	35296.	29356.	24496.	20709.	18052.
34	2017	121218.	61115.	50115.	41800.	35296.	29356.	24496.	20709.	18052.
35	2018	121218.	61115.	50115.	41800.	35296.	29356.	24496.	20709.	18052.
36	2019	121218.	61115.	50115.	41800.	35296.	29356.	24496.	20709.	18052.
37	2020	121218.	61115.	50115.	41800.	35296.	29356.	24496.	20709.	18052.
38	2021	121218.	61115.	50115.	41800.	35296.	29356.	24496.	20709.	18052.
39	2022	121218.	61115.	50115.	41800.	35296.	29356.	24496.	20709.	18052.
40	2023	121218.	61115.	50115.	41800.	35296.	29356.	24496.	20709.	18052.
41	2024	121218.	61115.	50115.	41800.	35296.	29356.	24496.	20709.	18052.
42	2025	121218.	61115.	50115.	41800.	35296.	29356.	24496.	20709.	18052.
43	2026	121218.	61115.	50115.	41800.	35296.	29356.	24496.	20709.	18052.
44	2027	121218.	61115.	50115.	41800.	35296.	29356.	24496.	20709.	18052.
45	2028	121218.	61115.	50115.	41800.	35296.	29356.	24496.	20709.	18052.
46	2029	121218.	61115.	50115.	41800.	35296.	29356.	24496.	20709.	18052.
47	2030	121218.	61115.	50115.	41800.	35296.	29356.	24496.	20709.	18052.
48	2031	121218.	61115.	50115.	41800.	35296.	29356.	24496.	20709.	18052.
49	2032	121218.	61115.	50115.	41800.	35296.	29356.	24496.	20709.	18052.
50	2033	121218.	61115.	50115.	41800.	35296.	29356.	24496.	20709.	18052.
TOTAL		3095337.	5913567.	4895836.	4035454.	3473521.	3012365.	2657360.	2302264.	2006567.

Table 6.2-17 Sensitivity Analysis on 10% Decrease in Target Yields (3)
*** PRESENT WORTH OF COST ***

N	YEAR	C-STREAM	10.00 (%)	11.00 (%)	12.00 (%)	13.00 (%)	14.00 (%)	15.00 (%)	15.00 (%)	15.00 (%)	17.00 (%)
1	1984	22216.	20196.	20014.	19826.	19569.	19468.	19318.	19152.	18988.	18838.
2	1985	50502.	41737.	40988.	40260.	39550.	38960.	38187.	37531.	36892.	36332.
3	1986	61822.	46223.	45277.	44075.	42915.	41786.	40715.	39671.	38652.	37652.
4	1987	100428.	68094.	66156.	63824.	61594.	59461.	57420.	55466.	53593.	51806.
5	1988	158622.	99113.	84728.	80574.	86537.	82303.	79350.	76588.	73906.	71306.
6	1989	163282.	94231.	87358.	82780.	78480.	74438.	70638.	67069.	63687.	60482.
7	1990	103518.	53121.	49860.	46826.	44001.	41370.	38916.	36628.	34482.	32482.
8	1991	10688.	5103.	4748.	4418.	4114.	3834.	3578.	3336.	3115.	2912.
9	1992	16938.	7183.	6621.	6108.	5638.	5209.	4816.	4464.	4142.	3848.
10	1993	3770.	1453.	1328.	1214.	1111.	1017.	932.	855.	784.	724.
11	1994	3770.	1321.	1196.	1064.	930.	792.	658.	526.	396.	270.
12	1995	3770.	1201.	1078.	958.	870.	782.	706.	636.	574.	524.
13	1996	3770.	1062.	971.	864.	770.	686.	612.	548.	494.	448.
14	1997	3770.	998.	975.	864.	771.	686.	602.	538.	472.	424.
15	1998	3770.	2398.	2042.	1785.	1552.	1358.	1201.	1054.	937.	837.
16	1999	3770.	820.	710.	616.	533.	463.	403.	351.	309.	274.
17	2000	3770.	748.	640.	548.	472.	406.	350.	302.	261.	228.
18	2001	3770.	678.	576.	490.	418.	358.	305.	261.	228.	200.
19	2002	3770.	616.	518.	438.	370.	313.	266.	226.	191.	163.
20	2003	3770.	560.	468.	391.	327.	274.	230.	194.	163.	142.
21	2004	3770.	1320.	1052.	804.	750.	624.	515.	433.	361.	301.
22	2005	3770.	483.	380.	312.	256.	211.	174.	144.	119.	97.
23	2006	3770.	421.	342.	278.	227.	186.	151.	124.	102.	84.
24	2007	3770.	389.	308.	248.	201.	162.	132.	107.	87.	74.
25	2008	3770.	348.	278.	222.	178.	142.	115.	92.	74.	64.
26	2009	3770.	316.	250.	198.	157.	126.	100.	80.	64.	54.
27	2010	3770.	745.	584.	458.	359.	284.	224.	178.	141.	111.
28	2011	3770.	288.	233.	188.	149.	116.	91.	71.	56.	46.
29	2012	3770.	216.	165.	126.	92.	67.	49.	34.	26.	21.
30	2013	3770.	196.	148.	112.	86.	65.	47.	33.	26.	21.
31	2014	3770.	179.	134.	100.	75.	57.	41.	29.	22.	18.
32	2015	3770.	173.	132.	97.	73.	57.	41.	29.	22.	18.
33	2016	3770.	421.	312.	232.	173.	128.	97.	73.	57.	41.
34	2017	3770.	148.	108.	80.	58.	44.	31.	22.	17.	14.
35	2018	3770.	134.	98.	71.	54.	41.	29.	21.	16.	13.
36	2019	3770.	122.	88.	64.	48.	36.	26.	19.	14.	11.
37	2020	3770.	111.	79.	57.	41.	30.	21.	16.	12.	9.
38	2021	3770.	101.	71.	51.	36.	26.	19.	14.	10.	7.
39	2022	3770.	237.	167.	118.	83.	58.	41.	29.	21.	16.
40	2023	3770.	83.	58.	41.	29.	21.	16.	12.	9.	7.
41	2024	3770.	76.	52.	36.	26.	19.	14.	10.	7.	5.
42	2025	3770.	69.	47.	32.	22.	16.	11.	8.	6.	4.
43	2026	3770.	63.	42.	28.	20.	14.	9.	6.	4.	3.
44	2027	3770.	57.	38.	26.	17.	12.	8.	6.	4.	3.
45	2028	3770.	134.	88.	60.	40.	27.	18.	12.	9.	7.
46	2029	3770.	77.	51.	31.	21.	14.	9.	6.	4.	3.
47	2030	3770.	43.	28.	18.	12.	8.	6.	4.	3.	2.
48	2031	3770.	38.	25.	16.	11.	7.	5.	3.	2.	1.
49	2032	3770.	33.	23.	15.	9.	6.	4.	3.	2.	1.
50	2033	3770.	32.	20.	13.	8.	5.	3.	2.	1.	1.
TOTAL		380046.	452563.	431691.	412105.	394004.	377192.	361358.	346573.	332566.	319256.

Table 6.2-17 Sensitivity Analysis on 10% Decrease in Target Yields (4)

***** CALCULATION OF INTERNAL RATE OF RETURN *****

(UNIT : THOUSAND BAHT)

DISCOUNT RATE	+++++ BENEFIT	PRESENT WORTH +++++ COST	B/C RATIO
10.00 %	551891.	452659.	1.22
11.00 %	459555.	431591.	1.09
12.00 %	402546.	412105.	0.98
13.00 %	347252.	394004.	0.88
14.00 %	301295.	377132.	0.80
15.00 %	262790.	361358.	0.73
16.00 %	230293.	346573.	0.66
17.00 %	202881.	332686.	0.61

INTERNAL RATE OF RETURN ----- 11.8 %

Table 6.2-18 Sensitivity Analysis on Five-Year Delay in Reaching Target Yields (1)

*** STREAMS OF PROJECT COST AND BENEFIT ***

N	YEAR	INT.COST	REP.COST	O&M.COST	TOTAL	PRO.BEN	NET.BEN
1	1984	22216	0	0	22216	-2250	-24566
2	1985	50502	0	0	50502	-1965	-52467
3	1986	81922	0	0	81922	-1348	-83270
4	1987	100428	0	0	100428	-577	-101006
5	1988	159622	0	0	159622	183	-159428
6	1989	98748	0	3770	103392	7758	-155634
7	1990	7158	0	3770	103518	17440	-86078
8	1991	7158	8000	3770	10938	28928	17890
9	1992	0	0	3770	18938	43064	26126
10	1993	0	0	3770	3770	57289	59529
11	1994	0	0	3770	3770	71534	67754
12	1995	0	0	3770	3770	85758	81989
13	1996	0	0	3770	3770	100004	96234
14	1997	0	0	3770	3770	114238	110469
15	1998	0	6000	3770	128474	118704	118704
16	1999	0	0	3770	137016	133245	133245
17	2000	0	0	3770	14708	14708	138838
18	2001	0	0	3770	14556	14556	141786
19	2002	0	0	3770	14556	14556	141786
20	2003	0	0	3770	14556	14556	141786
21	2004	0	6000	3770	14556	14556	141786
22	2005	0	0	3770	14556	14556	141786
23	2006	0	0	3770	14556	14556	141786
24	2007	0	0	3770	14556	14556	141786
25	2008	0	0	3770	14556	14556	141786
26	2009	0	0	3770	14556	14556	141786
27	2010	0	6000	3770	14556	14556	141786
28	2011	0	0	3770	14556	14556	141786
29	2012	0	0	3770	14556	14556	141786
30	2013	0	0	3770	14556	14556	141786
31	2014	0	0	3770	14556	14556	141786
32	2015	0	0	3770	14556	14556	141786
33	2016	0	6000	3770	14556	14556	141786
34	2017	0	0	3770	14556	14556	141786
35	2018	0	0	3770	14556	14556	141786
36	2019	0	0	3770	14556	14556	141786
37	2020	0	0	3770	14556	14556	141786
38	2021	0	0	3770	14556	14556	141786
39	2022	0	6000	3770	14556	14556	141786
40	2023	0	0	3770	14556	14556	141786
41	2024	0	0	3770	14556	14556	141786
42	2025	0	0	3770	14556	14556	141786
43	2026	0	0	3770	14556	14556	141786
44	2027	0	6000	3770	14556	14556	141786
45	2028	0	0	3770	14556	14556	141786
46	2029	0	0	3770	14556	14556	141786
47	2030	0	0	3770	14556	14556	141786
48	2031	0	0	3770	14556	14556	141786
49	2032	0	0	3770	14556	14556	141786
50	2033	0	0	3770	14556	14556	141786

Table 6.2-18 Sensitivity Analysis on Five-Year Delay in Reaching Target Yields (2)

*** PRESENT WORTH OF BENEFIT ***

(UNIT : THOUSAND BAHT)

N	YEAR	8. STREAM	10.00 (%)	11.00 (%)	12.00 (%)	13.00 (%)	14.00 (%)	15.00 (%)	16.00 (%)	17.00 (%)
1	1984	-2350.	-2136.	-2117.	-2056.	-2000.	-2061.	-2043.	-2026.	-2005.
2	1985	-1935.	-1624.	-1596.	-1566.	-1538.	-1512.	-1486.	-1450.	-1435.
3	1986	-1343.	-936.	-936.	-934.	-934.	-915.	-896.	-864.	-842.
4	1987	-577.	-354.	-357.	-357.	-354.	-342.	-330.	-308.	-308.
5	1988	153.	115.	110.	110.	105.	100.	96.	82.	88.
6	1989	7758.	5378.	4748.	3930.	3726.	3634.	3354.	3184.	3024.
7	1990	17440.	8949.	8400.	7889.	7413.	6970.	6556.	6173.	5811.
8	1991	29838.	13448.	12809.	11943.	10844.	10108.	9424.	8793.	8210.
9	1992	43064.	18263.	17335.	15528.	14336.	13241.	12341.	11524.	10820.
10	1993	57298.	24091.	22189.	19449.	17890.	16456.	14183.	12958.	12200.
11	1994	71534.	26072.	23957.	20654.	18648.	16826.	14778.	12978.	12112.
12	1995	85769.	27329.	24516.	22015.	19787.	17902.	15931.	14458.	13036.
13	1996	100004.	28668.	25752.	22918.	20417.	18208.	16233.	14523.	12990.
14	1997	114239.	30082.	26752.	23376.	20640.	18245.	16146.	14302.	12883.
15	1998	128474.	30756.	26824.	23471.	20542.	17894.	15785.	13856.	12181.
16	1999	137095.	29818.	25738.	22360.	19387.	16838.	14642.	13112.	11812.
17	2000	142709.	28234.	24208.	20785.	17870.	15284.	13261.	11446.	9932.
18	2001	145556.	26180.	22344.	18828.	16133.	13754.	11752.	10064.	8524.
19	2002	145556.	23900.	20040.	16800.	14234.	12074.	10238.	8576.	7371.
20	2003	145556.	21636.	18064.	15088.	12634.	10591.	8834.	7479.	6333.
21	2004	145556.	19556.	16256.	13473.	11175.	9290.	7733.	6448.	5384.
22	2005	145556.	17681.	14663.	12029.	9892.	8149.	6753.	5558.	4520.
23	2006	145556.	15756.	13201.	10740.	8754.	7149.	5835.	4782.	3933.
24	2007	145556.	14778.	11981.	9560.	7777.	6271.	4942.	4131.	3333.
25	2008	145556.	13434.	10714.	8562.	6857.	5501.	4216.	3551.	2873.
26	2009	145556.	12216.	9652.	7645.	6067.	4826.	3816.	3070.	2496.
27	2010	145556.	11103.	8694.	6625.	5395.	4233.	3393.	2646.	2133.
28	2011	145556.	10033.	7694.	6054.	4792.	3713.	2807.	2281.	1794.
29	2012	145556.	9176.	7066.	5441.	4205.	3257.	2538.	1857.	1533.
30	2013	145556.	8343.	6358.	4833.	3721.	2857.	2133.	1695.	1311.
31	2014	145556.	7593.	5748.	4338.	3233.	2506.	1812.	1450.	1120.
32	2015	145556.	6884.	5161.	3873.	2814.	2188.	1624.	1260.	933.
33	2016	145556.	6257.	4649.	3458.	2575.	1928.	1445.	1088.	818.
34	2017	145556.	5697.	4188.	3088.	2282.	1681.	1257.	938.	698.
35	2018	145556.	5179.	3773.	2757.	2030.	1484.	1093.	807.	584.
36	2019	145556.	4709.	3393.	2461.	1787.	1282.	950.	686.	487.
37	2020	145556.	4281.	3063.	2188.	1581.	1142.	836.	600.	400.
38	2021	145556.	3891.	2758.	1932.	1400.	1001.	719.	517.	323.
39	2022	145556.	3538.	2486.	1702.	1233.	878.	625.	446.	252.
40	2023	145556.	3218.	2239.	1504.	1093.	771.	543.	384.	193.
41	2024	145556.	2924.	2017.	1357.	970.	678.	473.	331.	143.
42	2025	145556.	2648.	1817.	1247.	883.	611.	411.	286.	100.
43	2026	145556.	2418.	1637.	1113.	786.	520.	367.	248.	70.
44	2027	145556.	2217.	1476.	984.	700.	458.	311.	212.	48.
45	2028	145556.	2045.	1326.	868.	635.	400.	270.	183.	33.
46	2029	145556.	1891.	1197.	769.	547.	351.	236.	158.	23.
47	2030	145556.	1756.	1076.	706.	486.	303.	204.	137.	16.
48	2031	145556.	1638.	974.	664.	441.	270.	178.	117.	10.
49	2032	145556.	1534.	876.	604.	403.	237.	154.	101.	6.
50	2033	145556.	1443.	789.	557.	369.	208.	134.	87.	3.
TOTAL		571164.	344231.	450723.	568504.	626407.	676580.	717354.	748920.	778550.

Table 6.2-18 Sensitivity Analysis on Five-Year Delay in Reaching Target Yields (3)
*** PRESENT WORTH OF COST ***

N	YEAR	C-STREAM	10.00 (%)	11.00 (%)	12.00 (%)	13.00 (%)	14.00 (%)	15.00 (%)	16.00 (%)	17.00 (%)
1	1984	22215	20196	20014	19836	19650	19468	19218	19152	18988
2	1985	50502	41737	40989	40260	39550	38860	38187	37531	36892
3	1986	61823	46223	45276	44076	42816	41796	40716	39671	38662
4	1987	100429	68584	66155	63824	61534	59481	57420	55456	53583
5	1988	168622	98113	94726	90674	86937	82903	79350	75999	72805
6	1989	183252	92281	87356	82780	78490	74438	70639	67083	63687
7	1990	103618	63121	49850	45825	44031	41370	38915	36528	34452
8	1991	10539	5103	4745	4414	4114	3834	3576	3336	3116
9	1992	16938	7183	6621	6108	5599	5202	4815	4454	4123
10	1993	3770	1463	1338	1214	1111	1017	932	855	784
11	1994	3770	1321	1195	1084	992	910	837	770	707
12	1995	3770	1201	1079	969	875	792	705	635	573
13	1996	3770	1082	971	864	770	688	613	548	490
14	1997	3770	983	875	771	681	602	532	472	419
15	1998	3770	2339	2042	1785	1552	1369	1201	1054	927
16	1999	3770	820	710	615	532	463	403	351	306
17	2000	3770	746	640	545	471	406	350	302	261
18	2001	3770	678	576	480	418	358	306	261	223
19	2002	3770	616	519	438	370	313	265	225	191
20	2003	3770	560	468	391	327	274	230	194	163
21	2004	3770	1320	1092	904	750	624	518	433	361
22	2005	3770	453	380	312	259	211	174	144	116
23	2006	3770	421	342	278	237	195	161	124	102
24	2007	3770	383	308	246	201	162	132	107	87
25	2008	3770	348	278	222	178	143	116	92	74
26	2009	3770	316	250	198	157	125	100	80	64
27	2010	3770	746	634	468	380	324	274	238	201
28	2011	3770	261	203	158	123	96	76	63	48
29	2012	3770	238	183	141	109	84	65	51	40
30	2013	3770	216	165	126	95	74	57	44	34
31	2014	3770	196	148	112	85	65	50	38	29
32	2015	3770	179	134	100	76	57	43	33	25
33	2016	3770	421	312	232	173	128	97	73	56
34	2017	3770	148	108	80	58	44	33	24	18
35	2018	3770	124	88	62	45	33	23	16	12
36	2019	3770	122	88	64	46	34	24	17	13
37	2020	3770	111	78	57	41	30	21	15	11
38	2021	3770	101	71	51	36	26	18	13	10
39	2022	3770	237	167	118	83	59	42	30	22
40	2023	3770	83	58	41	29	20	14	10	7
41	2024	3770	76	52	36	25	18	12	8	6
42	2025	3770	69	47	32	22	15	11	7	5
43	2026	3770	63	42	28	20	13	9	6	4
44	2027	3770	57	38	26	17	12	8	5	4
45	2028	3770	134	89	60	40	27	18	12	8
46	2029	3770	47	31	21	14	9	6	4	3
47	2030	3770	43	28	18	12	8	5	3	2
48	2031	3770	39	25	16	11	7	5	3	2
49	2032	3770	36	23	15	10	6	4	3	2
50	2033	3770	32	20	13	9	6	4	3	2
TOTAL		850045	452559	431591	412106	394004	377132	361269	346573	332639

Table 6.2-18 Sensitivity Analysis on Five-Year Delay in Reaching Target Yields (4)

***** CALCULATION OF INTERNAL RATE OF RETURN *****

(UNIT : THOUSAND BAHT)

DISCOUNT RATE	+++++ BENEFIT	PRESENT WORTH +++++ COST	B/C RATIO
10.00 %	537920.	452559.	1.19
11.00 %	450729.	431591.	1.04
12.00 %	380504.	412105.	0.92
13.00 %	323407.	394004.	0.82
14.00 %	276580.	377132.	0.73
15.00 %	237964.	361358.	0.66
16.00 %	205620.	346573.	0.59
17.00 %	178580.	332686.	0.54

----- INTERNAL RATE OF RETURN ----- 11.4 %

Table 6.2-19 Sensitivity Analysis Applying IBRD Country
Parameter for Thailand (1980) (1)

*** STREAMS OF PROJECT COST AND BENEFIT ***

(UNIT : THOUSAND BAHT)

N	YEAR	INT.COST	REP.COST	O&M.COST	TOTAL	PRO.BEN	NET.BEN
1	1984	24379	0	0	24379	-2350	-26729
2	1985	55961	0	0	55961	-1985	-57946
3	1986	68202	0	0	68202	-1348	-69550
4	1987	108365	0	0	108365	-577	-108942
5	1988	170370	0	0	170370	193	-170177
6	1989	170370	0	3770	174140	12913	-161227
7	1990	102363	0	3770	106133	31521	-74612
8	1991	7366	0	3770	11136	54422	43286
9	1992	7366	6000	3770	17136	82922	65786
10	1993	0	0	3770	3770	111392	107622
11	1994	0	0	3770	3770	128474	124704
12	1995	0	0	3770	3770	138047	134277
13	1996	0	0	3770	3770	145556	141786
14	1997	0	0	3770	3770	145556	141786
15	1998	0	6000	3770	9770	145556	135786
16	1999	0	0	3770	3770	145556	141786
17	2000	0	0	3770	3770	145556	141786
18	2001	0	0	3770	3770	145556	141786
19	2002	0	0	3770	3770	145556	141786
20	2003	0	0	3770	3770	145556	141786
21	2004	0	6000	3770	9770	145556	135786
22	2005	0	0	3770	3770	145556	141786
23	2006	0	0	3770	3770	145556	141786
24	2007	0	0	3770	3770	145556	141786
25	2008	0	0	3770	3770	145556	141786
26	2009	0	0	3770	3770	145556	141786
27	2010	0	6000	3770	9770	145556	135786
28	2011	0	0	3770	3770	145556	141786
29	2012	0	0	3770	3770	145556	141786
30	2013	0	0	3770	3770	145556	141786
31	2014	0	0	3770	3770	145556	141786
32	2015	0	0	3770	3770	145556	141786
33	2016	0	6000	3770	9770	145556	135786
34	2017	0	0	3770	3770	145556	141786
35	2018	0	0	3770	3770	145556	141786
36	2019	0	0	3770	3770	145556	141786
37	2020	0	0	3770	3770	145556	141786
38	2021	0	0	3770	3770	145556	141786
39	2022	0	6000	3770	9770	145556	135786
40	2023	0	0	3770	3770	145556	141786
41	2024	0	0	3770	3770	145556	141786
42	2025	0	0	3770	3770	145556	141786
43	2026	0	0	3770	3770	145556	141786
44	2027	0	0	3770	3770	145556	141786
45	2028	0	6000	3770	9770	145556	135786
46	2029	0	0	3770	3770	145556	141786
47	2030	0	0	3770	3770	145556	141786
48	2031	0	0	3770	3770	145556	141786
49	2032	0	0	3770	3770	145556	141786
50	2033	0	0	3770	3770	145556	141786

Table 6.2-19 Sensitivity Analysis Applying IBRD Country
Parameter for Thailand (1980) (2)

*** PRESENT WORTH OF COST ***

(UNIT : THOUSAND BAHT)

N	YEAR	C. STREAM	10.00 (%)	11.00 (%)	12.00 (%)	13.00 (%)	14.00 (%)	15.00 (%)	16.00 (%)	17.00 (%)
1	1984	24379.	22163.	21963.	21767.	21574.	21385.	21193.	21016.	20837.
2	1985	55961.	46249.	45419.	44612.	43826.	43060.	42315.	41588.	40880.
3	1986	68202.	51241.	49869.	48545.	47267.	46034.	44844.	43694.	42583.
4	1987	108365.	74015.	71393.	68868.	66462.	64161.	61958.	59849.	57829.
5	1988	170370.	105736.	101106.	96673.	92470.	88485.	84704.	81115.	77708.
6	1989	174140.	98298.	93102.	88225.	83643.	79336.	75296.	71474.	67887.
7	1990	106133.	54463.	51120.	48009.	45113.	42415.	39899.	37553.	35363.
8	1991	11136.	5195.	4832.	4498.	4189.	3904.	3640.	3397.	3171.
9	1992	17136.	7267.	6699.	6179.	5704.	5269.	4871.	4506.	4171.
10	1993	3770.	1453.	1328.	1214.	1111.	1017.	932.	855.	784.
11	1994	3770.	1321.	1196.	1084.	993.	922.	810.	737.	670.
12	1995	3770.	1201.	1078.	968.	870.	782.	705.	635.	573.
13	1996	3770.	1092.	971.	864.	770.	686.	613.	548.	490.
14	1997	3770.	993.	875.	771.	681.	602.	533.	472.	419.
15	1998	9770.	2339.	2042.	1785.	1562.	1369.	1201.	1054.	927.
16	1999	3770.	820.	710.	615.	533.	463.	403.	351.	306.
17	2000	3770.	746.	640.	549.	472.	406.	350.	302.	261.
18	2001	3770.	678.	576.	490.	418.	356.	305.	261.	223.
19	2002	3770.	616.	519.	438.	370.	313.	265.	225.	191.
20	2003	3770.	560.	468.	391.	327.	274.	230.	194.	163.
21	2004	9770.	1320.	1092.	904.	750.	624.	519.	433.	361.
22	2005	3770.	463.	380.	312.	256.	211.	174.	144.	119.
23	2006	3770.	421.	342.	278.	227.	185.	151.	124.	102.
24	2007	3770.	383.	308.	248.	201.	162.	132.	107.	87.
25	2008	3770.	348.	278.	222.	178.	142.	115.	92.	74.
26	2009	3770.	316.	250.	198.	157.	125.	100.	80.	64.
27	2010	9770.	745.	594.	458.	360.	284.	224.	178.	141.
28	2011	3770.	261.	203.	158.	123.	96.	75.	59.	46.
29	2012	3770.	238.	183.	141.	109.	84.	65.	51.	40.
30	2013	3770.	216.	165.	126.	96.	74.	57.	44.	34.
31	2014	3770.	196.	148.	112.	85.	65.	50.	38.	29.
32	2015	3770.	179.	134.	100.	75.	57.	43.	33.	25.
33	2016	9770.	421.	312.	232.	173.	129.	97.	73.	55.
34	2017	3770.	148.	109.	80.	59.	44.	33.	24.	18.
35	2018	3770.	134.	98.	71.	52.	38.	28.	21.	15.
36	2019	3770.	122.	88.	64.	46.	34.	25.	18.	13.
37	2020	3770.	111.	73.	57.	41.	30.	21.	16.	11.
38	2021	3770.	101.	71.	51.	36.	26.	19.	13.	10.
39	2022	9770.	237.	167.	118.	83.	59.	42.	30.	21.
40	2023	3770.	83.	58.	41.	28.	20.	14.	10.	7.
41	2024	3770.	76.	52.	36.	25.	18.	12.	9.	6.
42	2025	3770.	69.	47.	32.	22.	15.	11.	7.	5.
43	2026	3770.	63.	42.	29.	20.	13.	9.	6.	4.
44	2027	3770.	57.	38.	26.	17.	12.	8.	5.	4.
45	2028	9770.	134.	89.	60.	40.	27.	18.	12.	8.
46	2029	3770.	47.	31.	21.	14.	9.	6.	4.	3.
47	2030	3770.	43.	28.	18.	12.	8.	5.	4.	2.
48	2031	3770.	39.	25.	16.	11.	7.	5.	3.	2.
49	2032	3770.	35.	23.	15.	9.	6.	4.	3.	2.
50	2033	3770.	32.	20.	13.	8.	5.	3.	2.	1.
TOTAL		926392.	483535.	461338.	440780.	421661.	403822.	387128.	371468.	356748.

Table 6.2-19 Sensitivity Analysis Applying IBRD Country
Parameter for Thailand (1980) (3)

*** PRESENT WORTH OF BENEFIT ***

(UNIT : THOUSAND BAHT)

N	YEAR	B. STREAM	10.00 (%)	11.00 (%)	12.00 (%)	13.00 (%)	14.00 (%)	15.00 (%)	16.00 (%)	17.00 (%)
1	1984	-2350.	-2136.	-2117.	-2098.	-2080.	-2061.	-2043.	-2026.	-2009.
2	1985	-1965.	-1624.	-1595.	-1566.	-1539.	-1512.	-1486.	-1460.	-1435.
3	1986	-1348.	-1013.	-986.	-959.	-934.	-910.	-886.	-864.	-842.
4	1987	-577.	-334.	-380.	-367.	-354.	-342.	-330.	-319.	-308.
5	1988	193.	120.	115.	110.	105.	100.	96.	92.	88.
6	1989	12913.	7289.	6904.	6542.	6202.	5883.	5583.	5300.	5034.
7	1990	31521.	16175.	15182.	14259.	13398.	12597.	11850.	11153.	10503.
8	1991	54422.	25388.	23615.	21980.	20471.	19078.	17791.	16600.	15498.
9	1992	82922.	35167.	32416.	29903.	27604.	25499.	23572.	21805.	20184.
10	1993	111392.	42946.	39231.	35855.	32815.	30047.	27534.	25251.	23174.
11	1994	128474.	45029.	40763.	36933.	33493.	30399.	27615.	25106.	22844.
12	1995	138047.	43986.	39459.	35433.	31848.	28653.	25802.	23256.	20980.
13	1996	145556.	42162.	37483.	33358.	29717.	26501.	23657.	21139.	18907.
14	1997	145556.	38329.	33768.	29784.	26299.	23247.	20571.	18223.	16160.
15	1998	145556.	34945.	30422.	26593.	23273.	20392.	17888.	15709.	13812.
16	1999	145556.	31677.	27407.	23743.	20596.	17888.	15555.	13543.	11805.
17	2000	145556.	28797.	24691.	21199.	18226.	15691.	13526.	11675.	10090.
18	2001	145556.	26180.	22244.	18928.	16129.	13764.	11762.	10064.	8624.
19	2002	145556.	23800.	20040.	16900.	14274.	12074.	10228.	8676.	7371.
20	2003	145556.	21636.	18054.	15099.	12632.	10591.	8894.	7479.	6300.
21	2004	145556.	19669.	16265.	13473.	11179.	9290.	7733.	6448.	5384.
22	2005	145556.	17881.	14653.	12029.	9892.	8149.	6725.	5558.	4602.
23	2006	145556.	16255.	13201.	10740.	8754.	7149.	5848.	4792.	3933.
24	2007	145556.	14778.	11893.	9590.	7747.	6271.	5085.	4131.	3362.
25	2008	145556.	13434.	10714.	8562.	6856.	5501.	4422.	3561.	2873.
26	2009	145556.	12213.	9652.	7645.	6067.	4825.	3845.	3070.	2456.
27	2010	145556.	11103.	8696.	6826.	5369.	4233.	3343.	2646.	2099.
28	2011	145556.	10093.	7834.	6094.	4752.	3713.	2907.	2281.	1794.
29	2012	145556.	9176.	7058.	5441.	4205.	3257.	2528.	1967.	1533.
30	2013	145556.	8342.	6358.	4858.	3721.	2857.	2198.	1695.	1311.
31	2014	145556.	7593.	5728.	4338.	3293.	2506.	1912.	1462.	1120.
32	2015	145556.	6934.	5161.	3873.	2914.	2198.	1662.	1260.	957.
33	2016	145556.	6267.	4649.	3458.	2579.	1928.	1445.	1086.	818.
34	2017	145556.	5697.	4188.	3088.	2282.	1691.	1257.	936.	699.
35	2018	145556.	5179.	3773.	2757.	2020.	1484.	1093.	807.	598.
36	2019	145556.	4709.	3399.	2461.	1787.	1302.	950.	696.	511.
37	2020	145556.	4281.	3063.	2198.	1582.	1142.	826.	600.	437.
38	2021	145556.	3891.	2759.	1962.	1400.	1001.	719.	517.	373.
39	2022	145556.	3538.	2486.	1752.	1239.	879.	625.	446.	319.
40	2023	145556.	3216.	2239.	1564.	1096.	771.	543.	384.	273.
41	2024	145556.	2924.	2017.	1397.	970.	676.	473.	331.	233.
42	2025	145556.	2658.	1817.	1247.	858.	593.	411.	286.	198.
43	2026	145556.	2416.	1637.	1113.	760.	520.	357.	246.	170.
44	2027	145556.	2197.	1475.	994.	672.	456.	311.	212.	145.
45	2028	145556.	1997.	1329.	888.	595.	400.	270.	183.	124.
46	2029	145556.	1815.	1197.	793.	527.	351.	235.	158.	106.
47	2030	145556.	1650.	1079.	708.	468.	308.	204.	136.	91.
48	2031	145556.	1500.	972.	632.	412.	270.	178.	117.	78.
49	2032	145556.	1364.	875.	564.	365.	237.	154.	101.	66.
50	2033	145556.	1240.	789.	504.	323.	208.	134.	87.	57.
TOTAL		6084772.	662321.	563672.	483176.	416859.	361744.	315571.	276605.	243499.

Table 6.2-19 Sensitivity Analysis Applying IBRD Country
Parameter for Thailand (1980) (4)

***** CALCULATION OF INTERNAL RATE OF RETURN *****

(UNIT : THOUSAND BAHT)

DISCOUNT RATE	***** PRESENT WORTH ***** BENEFIT	COST	B/C RATIO
10.00 %	652321.	483535.	1.37
11.00 %	563672.	461338.	1.22
12.00 %	483176.	440780.	1.10
13.00 %	416859.	421661.	0.99
14.00 %	361744.	403822.	0.90
15.00 %	315571.	387128.	0.82
16.00 %	276605.	371468.	0.74
17.00 %	243499.	356748.	0.68

INTERNAL RATE OF RETURN ----- 12.9 %

Table 6.2-20 Disbursement Schedule of the Economic Initial Project Costs (Case 5)

Description	FY1984		FY1985		FY1986		FY1987		FY1988		FY1989		FY1990		FY1991		FY1992		
	F.C.	L.C.	F.C.	L.C.	F.C.	L.C.	F.C.	L.C.	F.C.	L.C.	F.C.	L.C.	F.C.	L.C.	F.C.	L.C.	F.C.	L.C.	
1. Civil Works (Sub-total)	280,600	179,949	460,549	200	1,332	5,272	10,052	17,005	21,548	45,411	31,585	80,151	45,946	80,151	45,946	52,410	23,546	-	-
1-1 Pre-engineering	1,000	6,660	7,660	200	1,332	300	1,998	300	1,998	200	1,332	-	-	-	-	-	-	-	-
1-2 Preparation	12,430	20,135	32,565	-	-	4,972	8,054	7,458	12,081	-	-	-	-	-	-	-	-	-	-
1-3 Storage Dam A	141,960	49,557	191,517	-	-	-	-	-	-	14,196	4,956	42,588	14,867	42,588	14,867	42,558	14,867	-	-
1-4 Diversion Dam C	45,280	23,087	68,367	-	-	-	-	4,528	2,309	13,584	6,926	13,584	6,926	13,584	6,926	-	-	-	-
1-5 Main Canal	47,190	51,600	98,790	-	-	-	-	4,719	5,160	14,157	15,480	14,157	15,480	14,157	15,480	-	-	-	-
1-6 Lateral Canal	28,970	27,047	56,017	-	-	-	-	-	-	2,897	2,705	8,691	8,114	8,691	8,114	8,691	8,114	-	-
1-7 Improvement of Drainage Facilities	3,770	1,863	5,633	-	-	-	-	377	186	1,131	559	1,131	559	1,131	559	1,131	559	-	-
2. Land Acquisition & Compensation (Sub-total)	-	9,026	9,026	-	1,805	-	2,708	-	2,708	-	1,805	-	-	-	-	-	-	-	-
2-1 Reservoir Area	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-2 Resettlement	-	9,026	9,026	-	1,805	-	2,708	-	2,708	-	1,805	-	-	-	-	-	-	-	-
2-3 Project Area	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3. Construction Equipment	6,000	-	6,000	-	-	-	-	6,000	-	-	-	-	-	-	-	-	-	-	-
4. Project Facilities	-	7,400	7,400	-	740	-	3,700	-	2,960	-	2,960	-	-	-	-	-	-	-	-
5. Project Administration	-	11,913	11,913	-	1,191	-	1,787	-	1,787	-	1,787	-	1,787	-	1,787	-	1,787	-	-
6. Consulting Services	55,000	25,160	80,160	9,600	5,328	14,400	7,992	3,100	1,184	7,750	2,960	7,750	2,960	7,750	2,960	4,650	1,776	-	-
7. On-farm Development	10,120	22,465	32,585	-	-	-	-	-	-	-	-	-	-	2,024	4,493	2,024	4,493	2,024	4,493
Total (1 to 7)	351,720	255,913	607,633	9,800	10,396	19,672	26,239	26,105	30,187	53,161	38,137	89,925	55,186	89,925	55,186	59,084	31,596	2,024	4,493
8. Contingency	35,172	25,591	60,763	980	1,040	1,967	2,624	2,611	3,019	3,814	8,993	5,518	8,992	5,518	5,908	3,160	202	449	202
Total (1 to 8)	386,892	281,504	668,396	10,780	11,436	21,639	28,863	28,716	33,206	58,477	41,951	98,918	60,704	98,917	60,704	64,992	34,756	2,226	4,942
9. Price Escalation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Grand Total (1 to 9)	386,892	281,504	668,396	10,780	11,436	21,639	28,863	28,716	33,206	58,477	41,951	98,918	60,704	98,817	60,704	64,992	34,756	2,226	4,942

(Unit: ¥ '000)

Table 6.2-21 Disbursement Schedule of the Economic Initial Project Costs (Case 6)

Description	FY1984		FY1985		FY1986		FY1987		FY1988		FY1989		FY1990		FY1991		FY1992		
	F.C.	L.C.	F.C.	L.C.	F.C.	L.C.	F.C.	L.C.	F.C.	L.C.	F.C.	L.C.	F.C.	L.C.	F.C.	L.C.	F.C.	L.C.	
1. Civil Works (Sub-total)	269,280	167,818	437,198	200	1,332	5,156	9,661	16,063	20,092	42,772	28,739	76,842	42,630	76,842	42,630	51,405	22,834	-	-
1-1 Pre-engineering	1,000	6,660	7,660	200	1,332	300	1,998	300	1,332	200	1,332	-	-	-	-	-	-	-	-
1-2 Preparation	12,140	19,158	31,298	-	-	4,856	7,663	7,284	11,495	-	-	-	-	-	-	-	-	-	-
1-3 Storage Dam A	141,960	49,557	191,517	-	-	-	-	-	-	14,196	4,956	42,588	14,867	42,588	14,867	42,588	14,867	-	-
1-4 Diversion Dam D	39,000	21,210	60,210	-	-	-	3,900	2,121	11,700	6,363	11,700	6,363	11,700	6,363	-	-	-	-	-
1-5 Main Canal	45,790	44,777	90,567	-	-	-	4,579	4,478	13,737	13,433	13,737	13,433	13,737	13,433	-	-	-	-	-
1-6 Lateral Canal	25,620	24,693	50,313	-	-	-	-	-	-	2,562	2,469	7,686	7,408	7,686	7,408	7,686	7,408	-	-
1-7 Improvement of Drainage Facilities	3,770	1,863	5,633	-	-	-	-	-	-	377	186	1,131	559	1,131	559	1,131	559	-	-
2. Land Acquisition & Compensation (Sub-total)	-	3,996	3,996	-	799	-	1,199	-	1,199	-	799	-	-	-	-	-	-	-	-
2-1 Reservoir Area	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-2 Resettlement	-	3,996	3,996	-	799	-	1,199	-	1,199	-	799	-	-	-	-	-	-	-	-
2-3 Project Area	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3. Construction Equipment	6,000	-	6,000	-	-	-	6,000	-	-	-	-	-	-	-	-	-	-	-	-
4. Project Facilities	-	7,400	7,400	-	740	-	3,700	-	3,700	-	2,960	-	-	-	-	-	-	-	-
5. Project Administration	-	11,913	11,913	-	1,191	-	1,787	-	1,787	-	1,787	-	1,787	-	1,787	-	1,787	-	1,787
6. Consulting Services	55,000	25,160	80,160	9,600	5,328	14,400	7,992	3,100	1,184	7,750	2,960	7,750	2,960	7,750	2,960	4,650	1,776	-	-
7. On-farm Development	9,180	20,380	29,560	-	-	-	-	-	-	-	-	1,836	4,076	1,836	4,076	1,836	4,076	1,836	4,076
Total (1 to 7)	339,460	236,767	576,227	9,800	9,390	19,556	24,339	25,163	27,222	50,522	34,285	86,428	51,453	86,428	51,453	57,891	30,473	1,836	4,076
8. Contingency	33,946	23,677	57,623	980	939	1,960	2,434	2,516	2,722	5,052	3,429	8,642	5,145	8,642	5,145	5,790	3,047	184	408
Total (1 to 8)	373,406	260,444	633,850	10,780	10,329	21,516	26,773	27,679	29,944	55,574	37,714	95,070	56,598	95,070	56,598	63,681	33,520	2,020	4,484
9. Price	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Grand Total (1 to 9)	373,406	260,444	633,850	10,780	10,329	21,516	26,773	27,679	29,944	55,574	37,714	95,070	56,598	95,070	56,598	63,681	33,520	2,020	4,484

(Unit: P '000)

Table 6.2-22 Economic Evaluation on Hydropower Development (1)

*** PRESENT WORTH OF BENEFIT ***				*** PRESENT WORTH OF COST ***			
(UNIT : THOUSAND BAHT)				(UNIT : THOUSAND BAHT)			
N	YEAR	B.STREAM	8.00 (%)	N	YEAR	C.STREAM	8.00 (%)
1	1991	0.	0.	1	1991	27250.	25231.
2	1992	0.	0.	2	1992	27250.	23362.
3	1993	2207.	1752.	3	1993	175.	139.
4	1994	2207.	1622.	4	1994	175.	129.
5	1995	2207.	1502.	5	1995	175.	119.
6	1996	2207.	1391.	6	1996	175.	110.
7	1997	2207.	1288.	7	1997	175.	102.
8	1998	2207.	1192.	8	1998	175.	95.
9	1999	2207.	1104.	9	1999	175.	88.
10	2000	2207.	1022.	10	2000	175.	81.
11	2001	2207.	947.	11	2001	175.	75.
12	2002	2207.	876.	12	2002	175.	69.
13	2003	2207.	812.	13	2003	175.	64.
14	2004	2207.	751.	14	2004	175.	60.
15	2005	2207.	696.	15	2005	175.	55.
16	2006	2207.	644.	16	2006	175.	51.
17	2007	2207.	596.	17	2007	175.	47.
18	2008	2207.	552.	18	2008	175.	44.
19	2009	2207.	511.	19	2009	175.	41.
20	2010	2207.	474.	20	2010	175.	38.
21	2011	2207.	438.	21	2011	175.	35.
22	2012	2207.	406.	22	2012	175.	32.
23	2013	2207.	376.	23	2013	175.	30.
24	2014	2207.	348.	24	2014	175.	28.
25	2015	2207.	322.	25	2015	7175.	1048.
26	2016	2207.	298.	26	2016	175.	24.
27	2017	2207.	276.	27	2017	175.	22.
28	2018	2207.	256.	28	2018	175.	20.
29	2019	2207.	237.	29	2019	175.	19.
30	2020	2207.	219.	30	2020	175.	17.
31	2021	2207.	203.	31	2021	175.	16.
32	2022	2207.	188.	32	2022	175.	15.
33	2023	2207.	174.	33	2023	175.	14.
34	2024	2207.	161.	34	2024	175.	13.
35	2025	2207.	149.	35	2025	175.	12.
36	2026	2207.	138.	36	2026	175.	11.
37	2027	2207.	128.	37	2027	175.	10.
38	2028	2207.	118.	38	2028	175.	9.
39	2029	2207.	110.	39	2029	175.	9.
40	2030	2207.	102.	40	2030	175.	8.
41	2031	2207.	94.	41	2031	175.	7.
42	2032	2207.	87.	42	2032	175.	7.
43	2033	2207.	81.	43	2033	175.	6.
44	2034	2207.	75.	44	2034	175.	6.
45	2035	2207.	69.	45	2035	175.	5.
46	2036	2207.	64.	46	2036	175.	5.
47	2037	2207.	59.	47	2037	175.	5.
48	2038	2207.	55.	48	2038	175.	4.
49	2039	2207.	51.	49	2039	175.	4.
50	2040	2207.	47.	50	2040	175.	4.
TOTAL		105936.	23064.	TOTAL		69900.	51445.

Table 6.2-22 Economic Evaluation on Hydropower Development (2)

*** STREAMS OF PROJECT COST AND BENEFIT ***

(UNIT : THOUSAND BAHT)

N	YEAR	INT.COST	REP.COST	O&M.COST	TOTAL	PRO.BEN	NET.BEN
1	1991	27250	0	0	27250	0	-27250
2	1992	27250	0	0	27250	0	-27250
3	1993	0	0	175	175	2207	2032
4	1994	0	0	175	175	2207	2032
5	1995	0	0	175	175	2207	2032
6	1996	0	0	175	175	2207	2032
7	1997	0	0	175	175	2207	2032
8	1998	0	0	175	175	2207	2032
9	1999	0	0	175	175	2207	2032
10	2000	0	0	175	175	2207	2032
11	2001	0	0	175	175	2207	2032
12	2002	0	0	175	175	2207	2032
13	2003	0	0	175	175	2207	2032
14	2004	0	0	175	175	2207	2032
15	2005	0	0	175	175	2207	2032
16	2006	0	0	175	175	2207	2032
17	2007	0	0	175	175	2207	2032
18	2008	0	0	175	175	2207	2032
19	2009	0	0	175	175	2207	2032
20	2010	0	0	175	175	2207	2032
21	2011	0	0	175	175	2207	2032
22	2012	0	0	175	175	2207	2032
23	2013	0	0	175	175	2207	2032
24	2014	0	0	175	175	2207	2032
25	2015	0	7000	175	7175	2207	-4968
26	2016	0	0	175	175	2207	2032
27	2017	0	0	175	175	2207	2032
28	2018	0	0	175	175	2207	2032
29	2019	0	0	175	175	2207	2032
30	2020	0	0	175	175	2207	2032
31	2021	0	0	175	175	2207	2032
32	2022	0	0	175	175	2207	2032
33	2023	0	0	175	175	2207	2032
34	2024	0	0	175	175	2207	2032
35	2025	0	0	175	175	2207	2032
36	2026	0	0	175	175	2207	2032
37	2027	0	0	175	175	2207	2032
38	2028	0	0	175	175	2207	2032
39	2029	0	0	175	175	2207	2032
40	2030	0	0	175	175	2207	2032
41	2031	0	0	175	175	2207	2032
42	2032	0	0	175	175	2207	2032
43	2033	0	0	175	175	2207	2032
44	2034	0	0	175	175	2207	2032
45	2035	0	0	175	175	2207	2032
46	2036	0	0	175	175	2207	2032
47	2037	0	0	175	175	2207	2032
48	2038	0	0	175	175	2207	2032
49	2039	0	0	175	175	2207	2032
50	2040	0	0	175	175	2207	2032

Table 6.2-22 Economic Evaluation on Hydropower Development (3)

***** CALCULATION OF INTERNAL RATE OF RETURN *****

(UNIT : THOUSAND BAHT)

DISCOUNT RATE	***** PRESENT WORTH ***** BENEFIT	***** COST	B/C RATIO
8.00 %	23064.	51445.	0.45

INTERNAL RATE OF RETURN ----- ? %

Table 6.3-1 Financial Crop Production Costs 'without' Project

Item	Production			Cost (₱/rai)				Total Cost	Net Return (₱)
	Yield (ton/rai)	Price (₱/ton)	Gross Value (₱)	Seed	Manure	Ferti-lizer	Pesti-cide		
Paddy (Glutinous)	.290	4,110	1,192	88	196	22	-	5	881
Groundnuts	.170	6,110	1,039	298	6	-	-	5	730
Others	.882	1,412	1,245	37	-	-	3	5	1,200

Wet Season

Table 6.3-2 Financial Crop Production Costs 'with' Project

Item	Production			Cost (₹/rai)				Net Return (₹)	
	Yield (ton/rai)	Price (₹/ton)	Gross Value	Seed	Ferti-lizer	Pesti-cide	Others Mulching		Total Cost
<u>Wet Season</u>									
Paddy (Glutinous)	.580	4,110	2,384	56	292	253	-	601	1,783
(Non-Glutinous)	.660	4,450	2,937	56	292	253	-	601	2,336
Soybeans	.270	8,130	2,195	164	302	131	-	597	1,598
Sugarcane	8.000	680	5,440	263	804	-	-	1,067	4,373
Groundnuts	.250	6,110	1,528	198	201	174	-	573	955
<u>Dry Season</u>									
Groundnuts	.300	6,110	1,833	198	201	174	-	573	1,260
Soybeans	.300	8,130	2,439	263	302	131	-	597	1,842
Tobacco	2.600	1,510	3,926	250	836	191	-	1,277	2,649
Garlic	.700	23,580	16,506	2,850	804	48	2,370	6,072	10,434

Table 6.3-3 Financial Net Farm Income 'without' Project

Item	Area (rai)	Yield (ton/rai)	Production (ton)	Farm Gate Price (£/ton)	Gross Value of Production (£)	Production Cost (£/rai)	Total Production Cost ('000 £)	Net Value of Production ('000 £)
<u>Wet Season</u>								
Paddy	6	.290	1.740	4,110	7,151	311	1,866	5,285
Groundnuts	0.5	.160	0.080	6,110	489	309	155	334
Others	1.5	.882	1.323	1,412	1,868	45	68	1,800
Total	8.0		3.143		9,508		2,089	7,419

Table 6.3-4 Financial Net Farm Income 'with' Project (5 rai)

Item	Area (rai)	Yield (ton/rai)	Production (ton)	Farm Gate Price (฿/ton)	Gross Value of Production (฿)	Production Cost (฿/rai)	Total Production Cost (฿)	Net Value of Production (฿)
<u>Wet Season</u>								
Paddy	4.0	.628	2.512	4,134	10,385	601	2,404	7,981
Soybeans	0.4	.270	.108	8,130	878	597	239	639
Groundnuts	0.6	.250	.150	6,110	917	573	344	573
<u>Sub-total</u>	<u>5.0</u>		<u>2.77</u>		<u>12,180</u>		<u>2,987</u>	<u>9,193</u>
<u>Dry Season</u>								
Tobacco	1.0	2.600	2.600	1,510	3,926	1,277	1,277	2,649
Garlic	0.5	.700	.350	23,580	8,253	6,072	3,036	5,217
<u>Sub-total</u>	<u>1.5</u>		<u>2.950</u>		<u>12,179</u>		<u>4,313</u>	<u>7,866</u>
Total	6.5		5.720		24,359		7,300	17,059

Table 6.3-5 Financial Net Farm Income 'with' Project (8 rai)

Item	Area (rai)	Yield (ton/rai)	Production (ton)	Farm Gate Price (฿/ton)	Gross Value of Production (฿)	Production Cost (฿/rai)	Total Production Cost (฿)	Net Value of Production (฿)
<u>Wet Season</u>								
Paddy	6.5	.628	4.082	4,134	16,875	601	3,907	12,968
Soybeans	0.6	.270	0.302	8,130	2,455	597	358	2,097
Groundnuts	0.9	.250	0.225	6,110	1,375	573	516	859
<u>Sub-total</u>	<u>8.0</u>		<u>4.609</u>		<u>20,705</u>		<u>4,781</u>	<u>15,924</u>
<u>Dry Season</u>								
Groundnuts	1.1	.300	0.330	6,110	2,016	573	630	1,386
Soybeans	0.8	.300	0.240	8,130	1,951	597	478	1,473
Garlic	0.6	.700	0.420	23,580	9,904	6,072	3,643	6,261
<u>Sub-total</u>	<u>2.5</u>		<u>0.990</u>		<u>13,871</u>		<u>4,751</u>	<u>9,120</u>
<u>Total</u>	<u>10.5</u>		<u>5.599</u>		<u>34,576</u>		<u>9,532</u>	<u>25,044</u>

Table 6.3-6 Financial Net Farm Income 'with' Project (12 rai)

Item	Area (rai)	Yield (ton/rai)	Production (ton)	Farm Gate Price (£/ton)	Gross Value of Production (£)	Production Cost (£/rai)	Total Production Cost (£)	Net Value of Production (£)
<u>Wet Season</u>								
Paddy	10.0	.628	6.280	4,134	25,962	601	6,010	19,952
Soybeans	1.0	.270	0.270	8,130	2,195	597	597	1,598
Groundnuts	1.0	.250	0.250	6,110	1,528	573	573	955
<u>Sub-total</u>	<u>12.0</u>		<u>6.800</u>		<u>29,685</u>		<u>7,180</u>	<u>22,505</u>
<u>Dry Season</u>								
Groundnuts	2.0	.300	0.600	6,110	3,666	573	1,146	2,520
Soybeans	1.4	.300	0.420	8,130	3,415	597	836	2,579
Garlic	0.2	.700	0.140	23,580	3,301	6,072	1,214	2,087
<u>Sub-total</u>	<u>3.6</u>		<u>1.160</u>		<u>10,382</u>		<u>3,196</u>	<u>7,186</u>
<u>Total</u>	<u>15.6</u>		<u>7.960</u>		<u>40,067</u>		<u>10,376</u>	<u>29,691</u>

