APPENDIX — D

COST ESTIMATE

APPENDIX-D COST ESTIMATE

CONTENTS

- D-1 PROJECT COST OF DEVELOPMENT PLAN
- D-2 ECONOMIC COST OF DEVELOPMENT PLAN
- D-3 ANNUAL EXPENDITURE
- D-4 CIVIL WORK COST OF THE PROJECT

D-1 PROJECT COST OF DEVELOPMENT PLAN

Project Cost of Development Plan (Case-1 , 1st Stage)

Daganladian	Lam Ta Khong Project		
Description	F. C.	L. C.	Total
1. Preliminary Works	0.00	126. 95	126. 95
2. Environmental Mitigation	0.00	149. 24	149. 24
3. Civil Works	1, 268, 77	1, 468. 59	2, 737, 36
4. Hydraulic Equipment	570. 94	362.77	933. 71
5. Electro-mechanical Equipment	2, 593. 77	402. 51	2, 996, 28
6. Transmission System	164. 37	69. 23	233. 60
7. EGAT Administration	0.00	218.55	218. 55
8. Engineering Service	152. 54	61. 29	213. 83
9. Import Dutles and Taxes	0.00	390.04	390, 04
10. Interest During Construction	0.00	1, 516. 74	1, 516. 74
TOTAL PROJECT COST	4, 750. 40	4, 765, 90	9, 516, 30

Docarlation	Lam Ta Kh Description		ı Ta Khong Proj	ect
Description		F. C.	L, C.	Total
1. Preliminary Works		0.00	102. 31	102. 31
2. Environmental Mitigation	1 1. A	0.00	149, 24	149. 24
3. Civil Works		965. 71	1, 201. 60	
4. Hydraulic Equipment		518.60	280. 50	799. 10
5. Electro-mechanical Equipm	ent	2, 459. 80	388. 21	2,848.01
6. Transmission System		557.04	234. 62	791.66
7. EGAT Administration		0.00	220. 21	220, 21
8. Engineering Service		152.54	61.29	213. 83
9. Import Duties and Taxes		0.00	453, 51	453. 51
10. Interest During Construct	ion	0.00	1, 422, 94	1, 422, 94
TOTAL PROJECT COST	 	4, 653. 69	4, 514. 43	9, 168. 12

Project Cost of Development Plan (Case-2 , 1st Stage)

	Description	Lar	n Ta Khong Proj	ect
		F. C.	L. C.	Total
1.	Preliminary Works	0.00	164. 32	164. 32
2.	Environmental Mitigation	0.00	161.68	161. 68
3.	Civil Works	1, 690. 50	1, 863, 87	3, 554. 37
4.	Hydraulic Equipment	570. 94	400.99	971.94
5.	Electro-mechanical Equipment	2, 548. 14	399. 29	2, 947. 44
6.	Transmission System	164. 37	69. 23	233.60
7.	EGAT Administration	0.00	243. 44	243. 44
8.	Engineering Service	170. 66	68. 94	239. 60
9.	Import Duties and Taxes	0.00	384.92	384.92
10.	Interest During Construction	0.00	1,718.35	1.718.35
	TOTAL PROJECT COST	5, 144. 62	5, 475. 05	10, 619, 66

Project Cost of Development Plan (Case-2 , 2nd Stage)

(Million Baht)

	Lam Ta Khong Project Description			ect
hescription	F	. C.	L.C.	Total
1. Preliminary Works		0.00	32. 49	32. 49
2. Environmental Mitigation		0.00	111.93	111, 93
3. Civil Works		292.42	440.44	732.86
4. Hydraulic Equipment		505. 38	233. 49	738.87
5. Electro-mechanical Equipmen	9	371 79	378. 79	2, 750, 50
				· · · · · · · · · · · · · · · · · · ·
6. Transmission System		557. 04	234. 62	791.66
7. EGAT Administration		0.00	170. 10	170. 10
8. Engineering Service		115. 74	48. 96	164.70
9. Import Duties and Taxes		0.00	442. 15	442. 15
10. Interest During Construction		0.00	1, 029. 77	1, 029.77
TOTAL PROJECT COST	3	. 842. 30	3, 122. 75	6, 965. 05

Project Cost of Development Plan (Case-3 , 1st Stage)

	Description		Lam Ta Khong Project		
	Description		F. C.	L. E.	Total
1.	Preliminary Works		0.00	186. 69	186. 69
2.	Environmental Mitigation		0.00	186. 55	186. 55
3.	Civil Works		1, 889, 50	2, 145. 32	4, 034. 82
4.	Hydraulic Equipment		1, 076. 32	703.84	1,780.16
5.	Blectro-mechanical Equipo	nent	2, 546. 41	398. 58	2, 944. 98
6.	Transmission System	•	164.37	69. 23	233.60
7.	EGAT Administration		0.00	281.68	281.68
8.	Engineering Service		197.84	80. 42	278. 27
9.	Import Duties and Taxes		0.00	441.42	441. 42
10.	Interest During Construc	tion	0.00	1, 994. 04	1, 994. 04
	TOTAL PROJECT COST		5, 874. 44	6, 487, 77	12, 362, 21

Project Cost of Development Plan (Case-3 , 2nd Stage)

		Lan	n Ta Khong Proj	ect
	Description	F. C.	L. C.	Total
1.	Preliminary Works	0.00	0.00	0.00
2.	Environmental Miligation	0.00	71, 99	71.99
3.	Civil Works	5. 62	38. 10	43.71
4.	Hydraulic Equipment	0.00	0.00	0.00
5.	Electro-mechanical Equipment	1, 945. 81	231. 33	2, 177. 14
6.	Transmission System	533. 65	225. 57	759. 22
7.	EGAT Administration	0.00	115. 06	115. 06
8.	Engineering Service	80. 19	33. 92	114. 12
9.	Import Duties and Taxes	0.00	342.90	342. 90
10.	Interest During Construction	0.00	553. 42	553.42
	TOTAL PROJECT COST.	2, 577. 62	1, 693. 54	4, 271. 15

Project Cost of Development Plan (Case-4)

	Lam	Ta Khong Proj	ect
Description	F. C.	L. C.	Total
1. Preliminary Works	0.00	183. 12	183. 12
2. Environmental Mitigation	0.00	248. 73	248. 73
3. Civil Works	1,894.61	2, 181. 79	4, 076, 40
4. Hydraulic Equipment	1, 076. 32	703. 84	1, 780. 16
5. Blectro-mechanical Equipment	4,625.98	729.47	5, 355. 45
6. Transmission System	639. 23	269. 24	908. 46
7. EGAT Administration	0.00	373. 35	373. 35
8. Engineering Service	261. 27	107. 21	368. 48
9. Import Duties and Taxes	0.00	776. 48	776.48
10. Interest During Construction	0.00	2, 603. 20	2, 603. 20
TOTAL PROJECT COST	8, 497. 39	8, 176. 43	16, 673. 83

Project Cost of Development Plan (Alternative-1,1st Stage)

Description	Lam Ta Khong Project			
Description	F.C.	L. C.	Total	
1. Preliminary Works	0.00	151.00	151.00	
2. Environmental Mitigation	0.00	155.46	155. 46	
3. Civil Works	1, 552. 35	1,694.49	3, 246, 84	
4. Hydraulic Equipment	581.78	410.06	991. 84	
5. Electro-mechanical Equipment	2, 548. 14	399. 29	2, 947. 44	
6. Transmission System	164.37	69. 23	233. 60	
7. EGAT Administration	0.00	232. 37	232. 37	
8. Engineering Service	162. 77	65. 61	228. 37	
9. Import Duties and Taxes	0.00	386.14	386.14	
10. Interest During Construction	0.00	1,646.22	1.646.22	
TOTAL PROJECT COST	5, 009. 42	5, 209. 87	10, 219. 29	

Project Cost of Development Plan (Alternative-1, 2nd Stage)

	Lam Ta Khong Project		
Description	F. C.	L. C.	Total
1. Preliminary Works	0.00	51.51	51, 51
2. Environmental Mitigation	0.00	118.15	118. 15
3. Civil Works	483. 73	651. 53	1, 135. 26
4. Hydraulic Equipment	506. 88	333. 32	840. 20
5. Blectro-mechanical Equipment	2, 371. 72	378. 79	2,750.50
6. Transmission System	557.04	234. 62	791. 66
7. EGAT Administration	0.00	171. 82	171. 82
8. Engineering Service	118.53	46. 92	
9. Import Duties and Taxes	0.00		
10. Interest During Construction	0.00	1,145.89	1, 145. 89
TOTAL PROJECT COST	4,037.90	3, 574. 88	7, 612, 7

Project Cost of Development Plan (Alternative-2:)

	Lar	ect	
Description	F. C.	L. C.	Total
1. Preliminary Works	0.00	144.45	144. 45
2. Environmental Mitigation	0.00	149. 24	149. 24
3. Civil Works:	1, 401. 42	1, 707. 29	3, 108.71
4. Hydraulic Equipment	481, 78	367. 69	849.47
5. Blectro-mechanical Equipment	2, 525. 01	385. 98	2, 910. 98
6. Transmission System	146, 11	61.54	207. 65
7. EGAT Administration	0.00	221.77	221.77
8. Engineering Service	155. 24	62.42	217.66
9. Import Duties and Taxes	0.00	368.41	368. 41
10. Interest During Construction	0.00	1, 560. 53	1,560.53
TOTAL PROJECT COST	4,709.55	5, 029. 32	9, 738. 87

D-2 ECONOMIC COST OF DEVELOPMENT PLAN

Economic Cost of Development Plan (CASE-1.1st Stage)

Do-utiation	Lam Ta Khong Project			
Description	F.C.	L. C.	Total	
1. Preliminary Werks	0.00	119.46	119.46	
2. Environmental Mitigation	0.00	132.00	132.00	
3. Civil Works	1, 109. 90	1, 279. 08	2, 388. 98	
4. Hydraulic Equipment	475. 09	308.99	784.08	
5. Electro-mechanical Equipment	2, 137. 41	337.50	2, 474. 91	
6. Transmission System	134. 82	57.78	192. 60	
7. EGAT Administration	0.00	187.00	187.00	
8. Englneering Service	133. 10	53.90	187.00	
TOTAL ECONOMIC COST	3, 990, 32	2, 475, 71	6, 466. 03	

Boonomic Cost of Development Plan (CASE-1, 2nd Stage)

	Lam	Ta Khong Proj	ect
Description	F. C.	L. C.	Total
1. Preliminary Works	0.00	96. 69	96. 69
2. Environmental Mitigation	0.00	132. 00	132.00
3. Civil Works	844.79	1,046.54	1,891.33
4. Hydraulic Equipment	431. 53	238.92	670. 45
5. Electro-mechanical Equipment	2, 026. 89	325. 50	2, 352. 40
6. Transmission System	456.89	195. 81	652. 70
7. EGAT Administration	0.00	187.00	187.00
8. Engineering Service	133.10	53. 90	187.00
TOTAL ECONOMIC COST	3, 893. 20	2, 276, 36	6, 169. 56

Boonomic Cost of Development Plan (CASE-2.1st Stage)

	Lan	n Ta Khong Proj	ect
Description	F. C.	L. C.	Total
1. Preliminary Works	0.00	154.00	154. 00
2. Environmental Mitigation	0.00	143.00	143.00
3. Civil Works	1, 478. 82	1, 623. 36	3, 102. 18
4. Hydraulic Equipment	475.09	341.55	816. 64
5. Electro-mechanical Equipment	2, 099. 76	334.80	2, 434. 57
6. Transmission System	134. 82	57.78	192. 60
7. EGAT Administration	0.00	209.00	209.00
8. Engineering Service	148. 50	60.50	209. 00
TOTAL ECONOMIC COST	4, 337. 00	2, 923. 99	7, 260. 99

Boonomic Cost of Development Plan (CASE-2, 2nd Stage)

	Lam	ı Ta Khong Proj	ect
Description	F. C.	L. C.	Total
1. Preliminary Works	0.00	31. 24	
2. Environmental Mitigation	0.00	99.00	99.00
3. Civil Works	255. 81	383. 60	639.41
4. Hydraulic Equipment	420.53	198.88	619.41
5. Blectro-mechanical Equipment	1, 954. 22	317.59	2, 271. 83
6. Transmission System	456.89	195. 81	652.70
7. EGAT Administration	0.00	143. 00	143.00
8. Engineering Service	100.10	42.90	143.00
TOTAL ECONOMIC COST	3, 187. 55	1, 412. 03	4, 599. 58

Economic Cost of Development Plan (CASE-3, 1st Stage)

	Lam	Ta Khong Proj	ect '
Description			
	F.C.	ե. С.	Total
1. Preliminary Works	0.00	174.68	174. 68
2. Environmental Mitigation	0.00	165.00	165.00
3. Civil Works	1, 652, 90	1, 868. 48	3, 521. 39
4. Hydraulic Equipment	895. 62	599.50	1, 495. 12
5. Blectro-mechanical Equipment	2, 098. 33	334. 20	2, 432, 54
6. Transmission System	134.82	57.78	192.60
7. EGAT Administration	0.00	242.00	242.00
8. Engineering Service	171.60	70.40	242.00
TOTAL ECONOMIC COST	4, 953, 28	3, 512. 05	8, 465. 32

Economic Cost of Development Plan (CASE-3, 2nd Stage)

	Lan	n Ta Khong Proj	ect
Description	F. C.	L. C.	Total
1. Preliminary Works	0.00	0.00	0.00
2. Environmental Mitigation	0.00	66,00	66.00
3. Civil Works	4.73	32. 56	37. 29
4. Hydraulic Equipment	0.00	0.00	0.00
5. Electro-mechanical Equipment	1,732.87	279, 90	2, 012. 78
6. Transmission System	456.89	195. 81	652.70
7. EGAT Administration	0.00	99, 00	99. 00
8. Engineering Service	69. 30	29. 70	99.00
TOTAL ECONOMIC COST	2, 263. 80	702. 97	2, 966. 77

Economic Cost of Development Plan (CASE-4)

	Lam	Ta Khong Proj	ect
Description	F. C.	L. C.	Total
1. Preliminary Works	0.00	171. 38	171. 38
2. Environmental Mitigation	0.00	220.00	220.00
3. Civil Works	1, 657, 37	1, 900. 25	3, 557. 62
4. Hydraulic Equipment	895. 62	599. 50	1, 495. 12
5. Electro-mechanical Equipment	3, 811. 56	611.62	4, 423. 16
6. Transmission System	524. 30	224.70	749.00
7. EGAT Administration	0.00	319.00	319.00
8. Engineering Service	225. 50	93.50	319.00
TOTAL ECONOMIC COST	7, 114, 34	4, 139, 94	11, 254, 29

Boonomic Cost of Development Plan (ALTERNATIVE-1,1st Stage)

	Lam	Ta Khong Proj	ect
Description	F.C.	L. C.	Total
1. Preliminary Works	0.00	141. 69	141. 69
2. Environmental Mitigation	0.00	137. 50	137.50
3. Civil Works	1,357.97	1, 475. 83	2, 833. 80
4. Hydraulic Equipment	484.11	349, 27	833. 38
5. Electro-mechanical Equipment	2, 099. 76	334.80	2, 434. 57
6. Transmission System	134.82	57.78	192.60
7. EGAT Administration	0.00	199.42	199. 42
8. Engineering Service	141.79	57. 62	199.42
TOTAL ECONOMIC COST	4, 218. 46	2, 753. 91	6, 972, 37

Economic Cost of Development Plan (ALTERNATIVE-1, 2nd Stage)

	Lan	n Ta Khong Proj	ect
Description	F. C.	L. C.	Total
1. Preliminary Works	0.00	49. 53	49. 53
2. Environmental Mitigation	0.00	104.50	104, 50
3. Civil Works	423, 16	567.46	990. 62
4. Hydraulic Equipment	421.78	283. 91	705.69
5. Electro-mechanical Equipment	1, 954. 22	317. 59	2, 271. 83
6. Transmission System	456.89	195.81	652, 70
7. EGAT Administration	0.00	145. 71	145, 71
8. Engineering Service	104. 19	41.51	145. 71
TOTAL ECONOMIC COST	3, 360. 25	1, 706. 02	5, 086. 2

Economic Cost of Development Plan (ALTERNATIVE-2)

D		Lam	Ta Khong Proj	ect
Description		F. C.	L. C.	Total
1. Preliminary Works		0. 00	135. 64	135. 64
2. Buvironmental Mitigation		0.00	132.00	132.00
3. Civil Works		1, 225. 94	1, 486. 98	2,712.92
4. Hydraulic Equipment		400.90	313, 18.	714. 08
5. Blectro-mechanical Equipmen	<u> </u>	2, 080. 67	323.50	2, 404. 19
6. Transmission System		119, 84	51.36	171. 20
7. EGAT Administration		0.00	190.27	190. 27
8. Engineering Service		135. 39	54.88	190. 27
TOTAL ECONOMIC COST		3, 962. 74	2, 687. 82	6,650.56

D-3 ANNUAL EXPENDITURE

	₹	NNUAL EXPE	INDITURE (C	ASE-1 . 1st	Stare)			*				
	BASE	E COST (1991 PRICE	()	3				.*			-
DESCRIPTION		TOTAL		1992		1993		1994		1995		1996
	F. C	L. C	MIS	F.C	r. c	F. C	ر. د د	F.C	ŀ	o.	ر د۔	ري ري
1. PRELIMINARY WORKS	00.0	108.80	108.60	0,00	50.00	0.00	58, 60	0.09	ı	0.00	0.0	0.00
2. ENVIRONMENTAL MITIGATION	0.00	120.00	120.00	0.00	12.00	0.00	24.00	0.00		0.00	36.00	00.0
3. CIVIL WORKS	1,009.00	1, 162, 80	2, 171, 80	0,00	00.00	276.47	153.49	437.91	395, 35	222, 99	488.38	71.64
4. HYDRAULIC EQUIPMENT	431.90	280.30	712.80	00.00	0.00	0,00	0.00	51, 83		215.95	179, 78	164. 12
5. ELECTRO-MECHANICAL EQUIP.						%	-					
TURBINE, GENERATOR & OTHERS	1, 882, 23	302.67	2, 184.	0.00	0.00	169, 40	27.24	0.00	0.00	696.43	111, 99	847.00
-MAIN TRANSFORMER	115, 35	12, 75	128.	0,00	00.00	00.00	00.00	0.00	00.00	11.54	1: 28	103.82
6. TRANSMISSION SYSTEM	126.00	55.00	180,00	00.0	0.00	0,00	0.00	00.0	00.0	50, 40	21.60	75.60
7. EGAT ADMINISTRATION	0,00	170.00	170	0,00	1.86	0.0	21. 28	0.00	28.81	0.00	61.09	90
8. ENGINEERING SERVICE			111		•		-				-	
-D/D AND TENDER PREPARATION	30,00	10.00	40	24,00	8.00	6.00	2 00	0 0	00.0	0.0	000	0.00
-CONSTRUCTION SUPERVISION	91.00	39.00	130.00	0,00	00.0	13, 65	33	27.30	11.70	22, 75	9, 75	22, 75
9. IMPORT DUTIES & TAXES	0.00	304.50	30.	0,00	0.0	0.00	19.31	0.00	5.91	0.00	116.34	0.0
			,				•				-	

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0.00 12.00 125.58 61.80

(UNIT: MILLION BAHT

169.40 0.90 0.90

136.20 11.48 32.40 49.25

	*	ANNUAL EXPENDITURE		CASE-1, 1st Stage,	tage)				t.						
	SAHA	PHYSICAL CONTINGENCY	NGENCY									1)	UNIT: MILE	MILLION BAHT)	
DESCRIPTION	ta.	TOTAL		1992		1993		1994		1995		1996		1997	
	0	J. C	Suk	F. C	J. J.	F. C	J. C	F. C	1. C	F.C	r. c	F. C	ر. د	F. C	r. C
1. PRELININARY WORKS	00.0	10.88	10.86	0.00	5.00	0.00		0.00		0,00		0.00	0.00	0.00	0.00
2. ENVIRONMENTAL MITIGATION	0.00	12.00	12.00	0.00	1.20	0.0		00.00		0.00		0.00	1.20	0,00	0,0
3. CIVIL WORKS	100.90	116.28	217, 18	0 0	0.00	27.65	15.35	43. 79	39, 54	22.30	48.84	7. 16	12, 56	9,00	0.00
4. HYDRAUL IC EQUIPMENT	43, 19	28.09	71. 28	00.00	00 0	0.00	0.00	5. 18	3,93	21.60		16. 41	6.18	0 0	00.00
5. ELECTRO-MECHANICAL EQUIP.		<i>2</i> '			::-	2					- '				
-TURBINE, GENERATOR & OTHERS	131.76	21. 19	152.94	00.00	00.00	11.86		0 0		48 75	7 84	59, 29		11.88	1.91
-MAIN TRANSFORMER	8.07	a. 88	8, 97	0,00	00.0	8		0.00		0.81	0.0	7.27		00.0	0.0
6. TRANSMISSION SYSTEM	8.82	3.78	12, 60	0.00	0.00	0.0	0.00	0.0		3. 53	1, 51	5. 23 5. 23		0.0	0.00
7. EGAT ADMINISTRATION	0.0	17.00	17.00	0,00	0.19	0,00	1.95	0.00	2.88	0.00	5.31	0.00	ಹ ಣ	0.00	2.84
8. ENGINEERING SERVICE													•		
-D/D AND TENDER PREPARATION	3,00	3	4.00	2,40		0.60		0.00	9.3				00.0	00.0	8
-CONSTRUCTION SUPERVISION	9, 10	3, 90	13.00	00.00	0.0	1.37	0.39	2.73	1.17	2.28	0.98	2. 28	86 0	0.46	0.20
9. IMPORT DUTIES & TAXES	0.00	22. 79	22. 79	0.00		0.00		0; 00	0 20				10.62	0.00	1.35
SUM OF PHYSICAL CONTINGENCY	304.84	237. 78	542.62	2.40	7. 19	41.47	29.60	51. 70	51.71	99.25	95.02	97.70	47.97	12.31	6, 29

56.22

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582.09

0.4.0 0.80

0.00 9.75 143.63

0,00 24,00

3, 685, 48

SUM OF BASE COST

517.03

	₹	ANNUAL EXPENDITURE (CAS	VDITURE (C.	ASE-1, 1st Stage)	stage)					•					
	PRIC	PRICE CONTINGENCY	INCY.										UNIT: MIL!	MILLION BAHT >	
DESCRIPTION		TOTAL		1992		1993		1994		1995		1996		1997	
	F. C	ر. د	*NS	FC	ن.	D. C.		O.	J. C	F.C	T. C	F.C	1.0	F. C	۲. د
1. PRELIMINARY WORKS	0.00	7.49	7.49	0.00	2, 20	00.00	5.29	00.0		0.00		0.00	Ċ	0.00	0.00
2. ENVIRONMENTAL MITIGATION	00.00	17.24	17.24	0.00	0.53	0.00	2, 16	00.00		0 0		0.00	8	9	0,00
3. CIVIL WORKS	158.87	189.51	348, 38	0.00	0.00	27.37	13.84	66.47	54.38	46, 11	91.33	18.91	29.98	0.00	0.00
4. HYDRAULIC EQUIPMENT	95.85	53.78	149, 63	0.00	0.00	0.00	0.00	7.87		44.66		43.33	7	0.00	0.00
5. ELECTRO-MECHANICAL EQUIP.					· ·	;	:			٠					
-TURBINE, GENERATOR & OTHERS	427.39	62, 11	489.50	0.00	0.00	16.31	2.39	0.00		140.09	20.37	217.51	31.62	53, 47	7.72
-MAIN TRANSFORMER	28.98	2, 90	31.88	0.00	0.00	0.00	00	0.00	0.00	2,32	0.23	28. 99 28. 99	2.66	0.00	0.00
6. TRANSMISSION SYSTEM	29, 55	11.45	41.00	0.00	0.00	00.00	00.0	0.00		10.14	3.93	19.41	7.52	0.00	00.0
7. EGAT ADMINISTRATION	0.00	31, 55	31.55	0.00	0,08	00 0	1.30	0.00		0.00	11. 29	0.00	11.52	0.00	2.80
8. ENGINEERING SERVICE												:	-		
-D/D AND TENDER PREPARATION	1.76	0.53	2 20	1.16	0.35		0.18	0.00	00.0	00.0	0.00	0.0	00.0	0.00	
-CONSTRUCTION SUPERVISION	17,68	6.86	24.54	0.00	0.00		53	4.14	1,61	4.70	1.82	6.01	2.33	1.48	0.57
9. IMPORT DUTIES & TAXES	0.00	62.74	62.74	00.00	0.00	0.00	1.69	0.00	0.81	0.00	21.29	0.00	33.47	00.00	5.48
SUM OF PRICE CONTINGENCY	760.08	di la	446, 15 1206, 23	1.16	10	45.63	27. 99	78.49	71. 10	248.03	190. 61	331, 83	136. 72	54.95	16.56

	A 2007 1040	ANNUAL EXPENDITURE (CA	IDITURE (C.	SE-1, 1st	Stage)								INET. BOTT	V TENG MOT 1700	
DESCRIPTION	DASE COST INCLUDE PRISICAL CONT	TOTAL TRI	ווחח קשוני	1992		1993		1994		1995		1986		1997	
	F.C	ر. د د	Mins	F. C	د د	ر د د	L. C	π. O)]	. C	J. C	F. C	J. C	Р. С	ပ ယ
1. PRELIMINARY WORKS	0.08	119.46	119.46	00.0	25.00	0,00	64. 46	0.00	0.00			0.00	0.00	0.00	0.00
2. ENVIRONMENTAL MITIGATION	800	132.00	132,00	0.00	13. 20	0.00	26.40	0.0	39, 60	0.00	39.60	0.0	13.20	9.0	0.00
3. CIVIL WORKS	1109.90	1279.08	2388.98	0.00	0.00	304, 11	168.84	481.70	434.89	245, 29	537. 21	78, 80	138.14	0.00	0.00
4. HYDRAULIC EQUIPMENT	475.09	308, 99	784.08	0.00	0.0	0,00	00.00	57.01		237, 55	197.75	180, 53	67.98	0.00	0
5. ELECTRO-MECHANICAL EQUIP.										:*·.					
-TURBINE, GENERATOR & OTHERS	2013.99	323.86	2337.84	0.00	00 0	181.26	29, 15	0.00	0	745, 17	119.83	906.29	145.74	181.26	29, 15
-MAIN TRANSFORMER	123.42	13.64	137.07	00.00	00.0	0.0	0.00	0.0	0.00	12.34	1.36	111.08	12.28	0.00	000
6. TRANSMISSION SYSTEM	134.82	57.78	192.80	90.0	00	0.0	0.00	00.0	0.0	53.93	23.11	80.89	34.67	0.00	0
7. EGAT ADMINISTRATION	0.00	187.00	187.00	0.00	2 3	0.0	23, 23	0.0	31.69	00.00	66.39	0.00	53.09	0000	10.55
8. ENGINEERING SERVICE					:						:			٠,	
-D/D AND TENDER PREPARATION	33.88	11.00	44.00	26.40	8 8 8	6, 60		0.0		0.0		9	.00 .00	0.00	0.00
-CONSTRUCTION SUPERVISION	100, 10	42, 90	143.00	0.00	00.00	15, 02	6.44	30.03	12.87	25.03	10.73	25.03	10.73	5.01	2, 15
9. IMPORT DUTIES & TAXES	0.00	327.30	327, 30	0.00		0.00	20.66	0.00		0.00	125. 23	0.00	154.24	0.00	20.86
			· ·		-										
TOTAL	3990.32	2803.01	6793.33	26. 40	79, 05	506.99	341.37	568.74	568, 81	1319.30	1121.22	1382 63	630.08	186.26	62 51
ECONOMIC COST	3990, 32	3990, 32 2475, 71	6466.03	26.40	79.05	506.99	320, 71	568.74	562. 31	1319.30	995. 99	1382.63	475.81	186. 26	41.84

- d													4			
	PESCRIPTION		TOTAL		1992		1993		1994		1995		1996		1997	
1. Cl c		7 ·) T	NOS.	F. C	ر ت	J J	J 1	F C	T. C	F. C	ر .	FC	J . T	я С	ر د
જાં ત	I. PRELIMINARY WORKS	0.00	126.95	126.95	0.00	57 20	0.00	69.73	0.00	0.00	0.00		0.00	0.00	0.00	0,00
•	2. ENVIRONMENTAL MITIGATION	00.00	149.24	149.24	0.00	13 73	00.0	28, 56	00.0	44.55	0.00		0.00	16.06	0.0	000
3	3. CIVIL WORKS	1268.77	1468.59	2737.36	0.00	0.00	331, 48	182.68	548.17	489. 25	291.40	628.54	97.72	168.12	0.0	9
4. H	4. HYDRAULIC EQUIPMENT	570.94	362.77	933. 71	0.00	0.0	0.00	0.00	64, 88	48.67	282. 20		223, 86	82.73	0,00	0,0
ry m	5. ELECTRO-MECHANICAL EQUIP.			- 1-3 2		-			•				<i>i</i>		ir '	
<u>T</u>	TURBINE, GENERATOR & OTHERS	2441.37	385.97	2827.34	0.00	000	197.57	31.54	00.00	0.00	885. 27	140.20	1123.80	177.36	234. 73	36.87
₹ -	-MAIN TRANSFORMER	152, 40	16.54	168.94	0.00	0.00	0.00	0.00	0,00	0.00	14.66	1.60	137.74	14.94	00.00	9
Ġ	6. TRANSMISSION SYSTEM	164. 37	69.23	233.60	0.00	0.00	000	0.00	0,00	0.00	94.07	27.04	100.31	42, 19	8	00
7.	7. EGAT ADMINISTRATION	0.00	218.55	218.55	0.00	2.13	0.00	25.13	0.00	35.66	0.00	77.68	0.00	64. 61	0.00	13, 35
.ш œ	8. ENGINEERING SERVICE					:	54 ⁷ 25									
7	-D/D AND TENDER PREPARATION	34, 76	11, 53	46.29	27.56		7, 19	2.38	00.00		000	0 00	0.0	000	8	00 0
<u>ှာ</u>	-CONSTRUCTION SUPERVISION	117.78	49. 76	167.54	0.00		16.37	6.98	34. 17	14.48	28.73	12, 55	31.03	13,05	6. 48	2.71
<u></u>	9. IMPORT DUTIES & TAXES	0.0	390.04	390.04	0.0	000	0.00	22.36	0.00		0.00	146.51	0.00	187.72	0.00	26.14
	TOTAL (W/O Inc.)	4750.40	20,066	7000 58	97 56	80.91			64.7 99		1587 22		1714 48	786 78	241 91	
-		200	1516 74	1516.74		1 02	20.00	70.00	5		00.00	371.6	200	447.28	100	
	THEAL PROJECT CAST	4750.40	4765.90	9516.30	27.56	. 66	552.62		647.22	781.08	1567, 33	1583. 48	1714. 46	1214.02	241.21	625.98
D					٠.											
															-	
2		-				*										
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										•						

	BAS	BASE COST (1991 PRICE)	1991 PRICE		1							~	CUNIT: MILLION	CION BAHT >	
DESCRIPTION		TOTAL		1st	year	2nd year	ar	3rd year	3ar	4th year	3.5	5th year	ar	6th year	2.5
	F. C	r C	SUK	F.	1, 0	ت ن	0	C)	ر د	J.	ر د.	5.C	J.1.	ಬ	ر د د
1. PRELIMINARY WORKS	00.00	87.90	87.90	ı	50.00	0.00	37.90	00.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2. ENVIRONMENTAL MITIGATION	0.00	120.00	120.00	0.00	12.00	0,00	24.00	00.0	38.00	0.0		0.00	12.00	0.00	0.00
3. CIVIL WORKS	767.99	951, 40	1, 719, 39	0.00	00	210.43	125, 58	333, 31	323, 48	169, 73	399, 59	54.53	102.75	0.00	0.00
4. HYDRAULIC EQUIPMENT	392, 30			0.00	00.0	0.00	0.00	47.08	30.41	196.15	139, 01	149.07	47.78	00.00	0.00
5. ELECTRO-MECHANICAL EQUIP.															
-TURBINE, GENERATOR & OTHERS	1, 778, 94		291.46 2,070.40	0.00	0.00	160, 10	26.23	0,0	0.00	658, 21	107.84	800, 52	131.16	160, 10	26.23
-MAIN TRANSFORMER	115.35	12, 75	128. 10	0.00	0.00	0.00	0.00	0.00	0.00	11.54	1. 28	103.82	11.48	00.00	0.00
6. TRANSMISSION SYSTEM	427.00	183.00	610,00	0.00	0.00	0.0	0.00	0.00	00.00	170.80	73.20	256.20	109,80	00.00	0.00
7. EGAT ADMINISTRATION	0.00		170.00	0.00	1.86	0.00	17.53	0.00	23.11	00.00	58.90	0.00	53, 37	0.0	15.23
8. ENGINEERING SERVICE															
-D/D AND TENDER PREPARATION	30,00	10.00	40 00	24.00	8,00	9.00	2.00	0.00	0.00	00.00	00.00	0.00	00 0	00 00	00.00
-CONSTRUCTION SUPERVISION	91.00		130.00	0.00	8	13.65	5.85	27, 30	11.70	22, 75	9.75	22, 75	9.75	4.55	<u>छ</u> -1
9. IMPORT DUTIES & TAXES	0.00	354.01	354.01	00.00	00.00	00.00	18.25	0 00	5.37	0.00	136.05	0.00	176.09	0.00	18, 25
SUM OF BASE COST	3, 602, 58	3, 602, 58 2, 436, 72 6, 039, 30	6. 039.30	24, 00	7.86	390 18	257.35	407, 68	430.06	1, 229, 17	961.61	1, 386, 89	654, 18	164, 65	61,66

		i de													:
	***	ANNUAL EXPENDITURE (C.	TTURE (C/	ASE-1, 2nd Stage	(32)	٠.			.:	٠.					
	PHYS	PHYSICAL CONTINGENCY	,					-				n)	UNIT: MILLION	ON BAET)	
DESCRIPTION		TOTAL		1st year		2nd year		3rd year	<u>.</u>	4th yea	ı	5th year		6th year	
	F, C	ر ن ن	158	F. C.	ب	r L	i.	ند:	J. C	F.C	J. C	F. C.	J. C	F.C	ယ
1. PRELIMINARY WORKS	0,00	8, 79	8 27	0.00	5.00			0.00	0.00			0.00	0.00	0.00	0.00
2. ENVIRONMENTAL MITIGATION	0.00	12.00	12.00	0.00	1, 20	0.00	2.40	o. 8	3.60	0, 00	3.60	0.00	1.20	0.00	9
3. CIVIL WORKS	76.80	95.14	171.94	0.00				33.33	32.35			5.45	10.28	0.00	9
4. HYDRAULIC EQUIPMENT	39.23	21.72	80 95	0.00				4.71	3.02			14.91	4. 78	0.00	0.00
5. ELECTRO-MECHANICAL EQUIP.							٠.							٠.	·
-TURBINE, GENERATOR & OTHERS	124.53	20.40	144.93	0.00	00.0			0.00	0.00	46.07	7, 55	56.04	o; ∞		₹
-WAIN TRANSFORMER	8.07	0.88	8.97	0.00	00.0			0.00	000	0,81	0.00	7.27	0.80		00.0
6. TRANSMISSION SYSTEM	29, 89	12.81	42, 70	0.0	8	00.00	000	0.00	00.0	11.96	τ. []	17.93	7. 69	0,00	9
7. EGAT. ADMINISTRATION	0.00	17.00	17.00	0.00	0.19			9	2.31	0.00	4.97	0.00	4.07		88 69
3. ENGINEERING SERVICE					· 				<u></u>						- 1
-D/D AND TENDER PREPARATION	3, 00	1.00	4.00			0.60			0.00				0.00		
-CONSTRUCTION SUPERVISION	9.10	3.90	13.00	0.00	00.00	1.37	0.59	2. 73	1.17	2.28	0.98	2.28	0.98	0.46	0.20
9. IMPORT DUTIES & TAXES	9.0	28. 12	26.12	0.00		0.00			0.54				12.84		
SUM OF PHYSICAL CONTINGENCY	290. 62	290, 62 219, 78 510, 40	510, 40	2.40	7.19	34, 22	24 23	40.77	43.01	97. 70	86. 38.	103.87	21.80	11.66	7. 19

	AN	ANNUAL EXPENDITURE (CASE-1, 2nd Stage	DITURE (CA	NSE-1, 2nd 8	stage)									٠	
	PRIC	PRICE CONTINGENCY	NCY			İ						7	UNIT: MILLION	JON BAHT >	
DESCRIPTION		TOTAL		1st year	9ar	2nd year	ar	3rd yea	11	4th year		5th year	11.	6th year	¥
	F. C	۲. د	SUM.	F. C	J. C	F. C	T. C	o,	ن	٠. د د	ر د د	F. C) · (F.C	ပ ပ
1. PRELIMINARY WORKS	0.00	5.62	5.62		2, 20	0.00	3, 42	0.00	00.00	0.00	0.00	0, 00		0.00	0.00
2. ENVIRONMENTAL MITIGATION	00.00	17.24	17.24		0, 53	0.00	2.18	9.0		0.00	6. 73	0,00		00.00	0.0
3. CIVIL WORKS	120, 92	155.06	275.98	0.0	00.0	20.83	11.33	50, 60	44. 48	35.10	74.72	14.40	24. 53	00.00	8
4. HYDRAULIC EQUIPMENT	87.07	41.58	128.65	0.00	0.00	0.00	0.00	7, 15	4. 18	40.56	25.99	39, 36		0.00	o 8
S. ELECTRO-MECHANICAL EQUIP.		٠.					-		!						
-TURBINE, GENERATOR & GTHERS	403.93	59.81	463.74	00.0	0.00	15.42		00.0		132, 41		205, 57		50,54	
-MAIN TRANSFORMER	28.98	2 30	31.88	0 0	0.00	0.00	00.00	00.0	0.0	2.32	0.23	26.66	2.66	0,00	00.00
6. TRANSMISSION SYSTEM	100, 15	38.81	138.96	0.00	00.00	0.00	00.00	0.00		34.36	13, 32	65, 79		00 0	
7. EGAT ADMINISTRATION	0.0	33. 21	33. 21	00.00	0.0	0.00	1.57	00.00		0.00		00.0		0.00	
8. ENGINEERING SERVICE															
-D/D AND TENDER PREPARATION	1.76	0.53	2, 29	1.16	0.35	0, 59		0,00	0.00	0.00	0.00	0.00	00.00	0.00	
-CONSTRUCTION SUPERVISION	17.68	98 96	24.54	0.0	0.00	1.35	0.53	4, 14	1.61	4.70	1.82	6.01	2.33	1, 48	0.57
9. IMPORT DUTIES & TAXES	0.00	73. 37	73.37	0.00	0.00	0.00		0.00	0.74	0.00	24.86	0.00	41.00	99.	
SUM OF PRICE CONTINGENCY	760.49 434.99 1195.48	434.99	1195.48	1. 16	3.16	38. 20	23.09	61.89	59, 13	249. 45	178.15	357.78	153, 20	52.01	18.25

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											•					
		2					-								-	
		-8°	ANNUAL EXPENDITURE (CA	VDITURE (C.	ASE-1, 2nd Stage	Stage)							•			
		BASE COST INCLUDE PHYSICAL CONT	NCLUDE PHY	SICAL CONT						.,)	UNIT: MILLION BAHT	LION BAHT	
	DESCRIPTION		TOTAL		1st year	ear	2nd year	ear	3rd year	ar	4th year	ar	5th year	18.	6th year	냻
		P. C	r.c	NOS.	F. C	J. C	FC	L, C	C)) ၂	F.C	. C	F. C	7.7	J.	ر د ا
	1. PRELIMINARY WORKS	00.00	96.59	96.69	0	55.00		41.69		0.00	0.00	0.00	0.0	0.00	9	
	2. ENVIRONMENTAL MITIGATION	0.00	132, 00	132, 00	0	13, 20		26.40	0, 00	39. 60	000		00.00	13.20	000	
	3. CIVIL WORKS	844. 79	1046, 54	1891.33	0.00	0.00	Ñ	138.14	366. 64	355.82	186.70	439.55	59, 98	113.03	00.0	
-	4. HYDRAULIC EQUIPMENT	431.53	238.92	670.45	0.00	0.00		0.00	51.78	33.45	215.77		163.98	52. 56	0,00	
	5. ELECTRO-MECHANICAL EQUIP.				. •					-:-		1		•		
	-TURBINE, GENERATOR & OTHERS	1903.47	311,86	2215.33	0 0	00.0	171.31	28.07	0,0	0.00	704.28	115, 39	856, 56	140.34	171.31	• •
	-MAIN TRANSFORMER	123.42	13.64	137.07	0.00	00.0	0.00	0.00	0.00	0.00	15 S2	1.36	111.08	12, 28	90	
_	6. TRANSMISSION SYSTEM	456.89	185.81	652, 70	Ó	00 0	0.00	0.00	00.0	00	182.76	78.32	274, 13	117.49	00.0	o
	7. EGAT ADMINISTRATION	0.00	187.00	187.00	0.00	2 05	0,00	19, 11	0,00	25.42	0.0	63.87	9.00	57.44	0.00	
	8. ENGINEERING SERVICE												٠.			
	-D/D AND TENDER PREPARATION	- 8.8	11.00	44.00	26, 40	8.80	6. 60	2.20	0 0		00.00	0.0	00.00	00	0.00	
	-CONSTRUCTION SUPERVISION	100, 10	42.90	143,00	0.00	0.00	15.02	6.44	30, 03	12.87	25.03	10, 73	25.03	10, 73	5.01	
	9. IMPORT DUTIES & TAXES	0.0	380.14	380. 14	0.0	0.00	00:00	19. 53	0,00	5.90	0.00	146.24	0.00	188.93	0.00	
7.	707AL	3893. 20	2656. 50	6549. 70	26. 40	79.05	424. 40	281. 58	448, 45	473.06	1326.87	1047.97	1490. 76	705.99	176.32	88
<u> </u>										-			-			
	ECONOMIC COST	3893.20	3893, 20 2276, 36	6169.56	26.40	79 05	424.40	262.05	448, 45	467, 16	1326.87	901.73	1490, 76	517.05	176.32	49, 33

25.0.0.42 12.00.05 85 87. 10 530. 80 617. 90 000 6th year UNIT: MILLION BAHT) 8888 8888 8 2 8 888 228.3 122 0,00 0000 0.00 16.06 137,55 63.97 3 1 8 2888 288 859. 423. 1282. 51 4 4 68 8 68 13.0 year 0.00 0.00 74.38 203.34 137.74 137.74 339.93 0.00 888 2882 1848. 0.00 12.55 171.10 135.01 1.60 91.64 74.73 2388 8868 1226. 242. year 836. 69 14. 66 217. 11 0. 00 828 888 8888 1576. 0. (1576. (0. 221. 256. ဝတ္လ ဝ 0.00 44.55 400.30 37.63 8888 8 2 2 28.2 ဝဝ*ဝ*ထွ 532. 122. 655. year 8888 8888 828 282 ં જું છે 510. 510. ರರದರ 45.11 28.56 149.47 0.00 8889 88 88 E 5 4 5 369. 369. 00000 2.6.2 2nd year 7, 19 16, 37 0, 00 462, 60 0, 00 462, 60 0.00 0.00 252.30 0.00 186.0 0.0 0.00 0.00 0.00 ANNUAL EXPENDITURE (CASE-1, 2nd Stage) (BASE COST INCLUDE PHYSICAL & PRICE CONTINGENCIES) 7388 8838 ន្តន st year 0 0 0 0 0 0 0 0 0 0 0 8888 888 2883 200 2.02. SUM 102.31 149.24 2167.31 799.10 2679.07 168.94 791.66 220.21 22 22 23 7745. 1422. 9168. 46. 167. 453. 3091. 49 1422. 94 4514. 43 102.31 149.24 1201.60 280.50 52825 22 22 23 371. 16. 234. 220. 0.00 0.00 0.00 965.71 518.60 2307.40 152.40 557.04 0.00 4653.69 0.00 4653.69 34.76 117.78 0.00 PROJECT COST 1. PRELIMINARY WORKS
2. ENVIRONMENTAL MITICATION
3. CIVIL WORKS
4. HYDRAULIC EQUIPMENT
5. ELECTRO-MECHANICAL EQUIP. -D/D AND TENDER PREPARATION -TURBINE, GENERATOR & OTHERS -CONSTRUCTION SUPERVISION OTAL (W/O IDC 6. TRANSMISSION SYSTEM
7. EGAT ADMINISTRATION
8. ENGINEERING SERVICE TOTAL PROJECT COST -MAIN TRANSFORMER

	A	ANNIAL EXPENDITURE (C.	VDTTURE (C	ASE-2 1st	Stage)		1								
	BASE	BASE COST (1991 PRICE	1991 PRICE							 -			UNIT: MILL	ION BART	
DESCRIPTION		TOTAL		1992		1993		1994		1995		1996		1997	: .
	я. С	L. C	SUM	π .	7.7	J.	r. c	F. C	J.7	ာ သ	J. C	F. C	L. C	P. C	C.C
1. PRELININARY WORKS	0,00	1	140.00 140.00		50.00		90.06	0.00	0.00	0.00	0.00	00.0		0.00	0.00
2. ENVIRONMENTAL MITTIGATION	0.00	130,00	130.00	- , '	13.00		26.00	000	39.00	00.00	39.00	0.00		00 0	00.00
3. CIVIL WORKS	1, 344, 38	1, 475, 78	2,820.16		0.00	368.36	194.80	583.46	501.77	297, 11	619.83	95.45	159.38	0 0	9
4. HYDRAULIC EQUIPMENT	431, 90	431, 90 310, 50 742, 40	742. 40	0.00	0.00		00.0	51.83	43, 47	215, 95	198.72	164.12		8	00 0
5. ELECTRO-MECHANICAL EQUIP.					7.3 1.										1.
-TURBINE, GENERATOR & OTHERS	1,847.05	300, 15	300, 15 2, 147, 20		0.00	166.23	27.01	0.00	000	683. 41	111.06	831.17		166.23	27.01
-MAIN TRANSFORMER	115,35	12, 75	128.10		0.00	0.00	0,00	0.00	00.0	11.54	1.28	103.82	11.48	0.00	0.00
6. TRANSMISSION SYSTEM	126,00	54.00	180.00		00.0	0.00	00.00	0.00	0.00	50.40	21. 60	75.50		0.0	0.00
7. EGAT ADMINISTRATION	0,00	150.00	190.00	0,00	1.89	0.00	26. 17	0.00	36.59	0.0	67.50	0.00		0.00	7.16
8. ENGINEERING SERVICE						·:.	:			· · ·			. 		
-D/D AND TENDER PREPARATION	30.00	10.00	40.00		8	6.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	000	8
-CONSTRUCTION SUPERVISION	105,00	45.00	150.00	00.00	0.00	15, 75	6.75	31.50	13, 50	26. 25	11.25	26.25	11.25	5.25	2 25
9. IMPORT DUTIES & TAXES	0.00	300.49	300.49	j.	0.00	0.00	18, 95	0.00	5.91	00.0	114.86	0.00	141.82	9	18.95
SUM OF BASE COST	3, 999, 68 2, 968, 67 6, 968, 35	2, 968, 67	6, 968. 35	24.00	72.89	556.34	391, 69	666, 79	640.23	1, 284, 65	1, 185, 08	08 1, 296, 41	623, 41	171.48	55.38

	7	ANNUAL EXPENDITURE (C	DITURE (C.	ASE-2, 1st	Stage)										
	PHY	PHYSICAL CONTINGENCY	NGENCY							. i . i			UNIT: HILLION	ION BAHT)	
DESCRIPTION		TOTAL		1992		1993		1884		1995		1996		1997	
	F.C	J.	SUM	F.C	٦. ر	F. C	Γ. C	F. C	L. C	F. C	L. C	F.C	1.0	r. C	L. C.
1. PRELIMINARY WORKS	0,0	14.00	14.00	0.00	5.00	0.00		0.00	0.00	0.00	0.00	0.00		00.00	0.00
2. ENVIRONMENTAL MITIGATION	0.00	13.00	13.00	0.00	1.30	0.00		0.00	30	0 0	3.90	0.00		00.00	0.0
3. CIVIL WORKS	134,44	147, 58	282.02	0.00	0.00	36.84	19. 48	58.35	50.18	29. 71	61.98	S. 53	15.94	0.00	0.00
4. HYDRAULIC EQUIPMENT	43.19	31.05	74.24	00.00	0.00	0.00		5. 18	4, 35	21.60	19.87	16.41		0.00	00.0
5. ELECTRO-MECHANICAL EQUIP.	:	. :			· . ·							٠			
-TURBINE, GENERATOR & OTHERS	129, 29	21, 01	150.30	0.00	00 0	11.64		0.00		47 84	7 4	58.18		11.63	1 80
-MAIN TRANSFORMER	8.07	0.89	8.97	0.00	000	00.0		0.00		0.81	00	7.27		0.00	0.00
6. TRANSMISSION SYSTEM	8,82	3, 78	12.60	0.00 00.00		000	0,00	0.0	0.00	3 53	1.51	52	2.27	0.00	8
7. EGAT ADMINISTRATION	0.00	19, 00	19.00	9	0 18	00.0		0.00		0,00	5.96	o 80 90		0.00	2, 75
8. ENGINEERING SERVICE			<u> </u>		<u></u>							J.S			
-D/D AND TENDER PREPARATION	3.00	1.00	4.00	2, 40		0.60		0.00			00.00	o. 00.	0.00		
-CONSTRUCTION SUPERVISION	10, 50	4.50	15.00	0.00	00.00	1.58	0.68	3.15	I. 33	2 63	1.13	2.63	ক ∴	0.53	8
8. IMPORT DUTIES & TAXES	0.00	22, 51	22.51	0.00		0.0		0.00			∞ 2.	0.00	10,49		
SUM OF PHYSICAL CONTINGENCY	337.32	278.32	615.64	2.40	7. 29	50.65	37.62	66.68	64.02	106. 10	110.99	99, 32	52. 21	12. 16	6.19

ANNUAL EXPENDITURE (CASE-2, 1st Stage)
PRICE CONTINGENTY

	PRI	PRICE CUNITINGENCY	SNCY						:	:		~	UNIT: MILL	ION BAHT	
DESCRIPTION		TOTAL		1992		1993	-	1994		1995	-	1996		1997	
	ပ	r.c	SUM	O.	J J	F.C	3 7	ر ا	J. C	я С	. C	F.C		C L	ر د :
1. PRELIMINARY WORKS	0.00	10, 32	10.32	0.0		0.00	8, 12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2. ENVIRONMENTAL MITIGATION	0.00	18.68	18.58	0.00		0,00	2.35	0,00	5.38	0.00	7.29	0.0	3	00.0	00 0
3. CIVIL WORKS	211.68	240, 52	452, 19	0,00		36, 47	17.57	88. 57		61.44	115.91	25, 20	38.05	000	00.0
4. HYDRAULIC EQUIPMENT	95, 85	59.44	155, 30	00.00	000	0.00	0.0	7.87	က တ	44.66	37. 16	43, 33	16.31	0.0	00 0
5. ELECTRO-MECHANICAL EQUIP.										i -					:
-TURBINE, GENERATOR & OTHERS	419, 40	61.59	480.99	0.00	0.00	16.01		0,00		137.47	20.20	213.45	31.36	52.47	7.66
-MAIN TRANSFORMER	28.98	2.90	31.88	0,00	0.00	0.0		0.00		2, 32	0.23	26.66	2, 66	00.00	00.0
6. TRANSMISSION SYSTEM	29, 55	11.45	41.00	0.00	0.00	0.00	00.0	0.00	0.00	10, 14	3, 93	19.41	7.52	0.00	00 0
7. EGAT ADMINISTRATION	00.00	34, 44	34.44	0.00	0.08	0.00		0.00		00.0	12.49	0.00	11.87	00.00	2 63
8. ENGINEERING SERVICE	• .		:		[a] [i
-D/D AND TENDER PREPARATION	1.76	0.53	2.29	1, 16		0.59	0.18	0.00		000	00.00	00.0	00 0	0.00	
-CONSTRUCTION SUPERVISION	20, 40	7.91	28.31	00.0		1.56	0.61	4.78		5.43	2.10	69	2 69	1 70	
9. IMPORT DUTIES & TAXES	0.00	61,92	61.92	0.00	00.0	00.0	1.66	0.00	0.81	0.00	21.02	00:0	33.05	0.00	5.37
SUN OF PRICE CONTINGENCY	807.62	500.70	509.70 1317.39	- -	6	7.4 63	20 20	101 22	60 88	261 48	220	337 08	200	A. 10	20
		,				5		101.00	3	40.75	3		70.0	2	

ANNUAL EXPENDITURE (CASE-2.1st Stage)

	BASE COST INCLUDE PHYSICAL CONT	VCLUDE PHYS	ICAL CONTIN	NGENCIES									UNIT: MILL	TON BAHT	
DESCRIPTION		TOTAL		1992		1993		1994		1995		1996		1997	
	F. C	L. C	SUM	٦. د د	T. C	J J	L. C	F, C	J. C	P. C	J. C	F. C	7° C	F. C	j. C
L. PRELIMINARY WORKS	00.0	154.00	154, 00	0.00	55.00	0.0	99.00	0.00	0.00	0.00	0.00	00.00		0.00	0.00
2. ENVIRONMENTAL MITIGATION	00.0	143.00	143.00	0.00	14.30	0.00		0.00	42.90	0.00	42.90	0.00		0 0	000
3. CIVIL WORKS	1478.82	1623.36	3102.18	0.00	00.0	405.20	214, 28	641.81	551.94	326.82	681.81	105.00	175.32	8	0.00
4. HYDRAULIC BOUTPMENT	475.09	341.55	816.64	00.0	0.00	0.00		57.01	47.82	237.55	218.59			0.00	0.00
5. ELECTRO-MECHANICAL EQUIP.			· · · · · · · · · · · · · · · · · · ·							1 1					
-TURBINE, GENERATOR & OTHERS	1976.34	321. 16	2297. 50	000		177.87	28.90	00.00	0 0	731. 25	118.83	889, 35		177.87	28.90
-MAIN TRANSFORMER	123.42	13.64	137.07	000		0.00	0.00	0.00	000	12.34	1.36	111.08		000	0.00
6. TRANSMISSION SYSTEM	134.82	57, 78	192.60	000	00.0	0.00	0.00	0.00	00.0	53, 93	23.11	80.89	34.67	0 0	0.0
7. EGAT ADMINISTRATION	0.00	209.00	209.00	0.00		0.00	28, 62	0.00	40.24	00.00	73, 45	0.00		0.0	6.6
8. ENGINEERING SERVICE			<u></u>												+ j4
-D/D AND TENDER PREPARATION	33.00	11.00	44, 00	26.40	80.80	6. 60		0.00	0.00	0.00	0.00		S. 3	0.0	00.00
-CONSTRUCTION SUPERVISION	115, 50	49.50	165.00	000	0.00	17.33	7. 43	34.65		28.88	12.38	28.88	12,38	5.78	2,48
9. IMPORT DUTIES & TAXES	0.8	323.01	323.01	0.00	0.00	0.00	20.28	00.00		0.00				0.00	20.28
							:						· ·		
TOTAL	4337.00	3247.00	7583.99	26.40	80.18	606.99	429.31	733. 47	704.25	1390, 76	1296.08	1395.73	675.61	183.65	61.57
FCONDATE COST	4337 00	4837 00 2923 99 7260 99	7260 99	26 40	S	60, 909	409.03	733 47	697 75	1390.78	1172 44	1395 73	523.30	183 65	41 20
2000			24.												

Oda William	ANNUAL EXPENDITURE (CASE-2.1st Stage)	ANNUAL EXPENDITURE (CASE-2 1st Stage)	DITURE (CA	SE-2, 1st S	tage) Ice convita	INCEMPTED)			:			J	HATT. MILLIAN RAHT	TON RAHT	
DESCRIPTION	1000	TOTAL	TOTOLOGIC STATE	1992	11100 001	1993		1994		1995		1996		1997	
	C.	1.0	35	0.1	l o	F. C	27.7	J.	2,1	ر نو	ر د د	J.	J. 1	C)	ن
1. PRELIMINARY WORKS	0.00	164.32	164, 32		1	0 0	107.12	00.00	00.0		0.00	0.0	0.00	0.00	0.00
2. ENVIRONMENTAL MITIGATION	0.0	٠,	161, 68	0.0	14.87	0.00	30.95	00.00	48.26	90	50, 19	0,00	17.40	0.00	0 0 0
3. CIVIL WORKS	1690, 50		3554.37	0.0	0.0	441.66	231.85	730.38	620.93		797, 72	130.20	213.37	8,0	000
4. HYDRAULIC EQUIPMENT	570.94	400.99	971.92	0.00	0,0	0.00	0.00	64.88	53.79		255. 75	223.86	91.45	0.00	00.0
5. ELECTRO-MECHANICAL EQUIP.								• :	-	• .					
-TURBINE, GENERATOR & OTHERS	2395. 74	382.75	2778.50	00.00	0.00	193.88	31, 27	0.00	0.00	868, 72	139.03	1102.80	175.88	230.34	36.56
-MAIN TRANSFORMER	152.40	16.54	168.94	0.00	0.00	0.00	0.00	0 0	0.00	14, 66	1.60	137.74	14.94	0,00	0.0
6. TRANSMISSION SYSTEM	164.37	69, 23	233. 60	0.00		0.00	0.00	0.00	0.00	64, 07	27 04	100.31	42.19	0.00	000
7. EGAT ADMINISTRATION	0.0	243.44	243, 44	0.0		0.0	30,96	0.00	45.27	0,00	85.94	0.0	66.58	0.00	12.54
8. ENGINEERING SERVICE					_	- 1.			<u> </u>						
-D/D AND TENDER PREPARATION	24.76 76	11.53	46, 29	27:56		7. 19		0.00	00.00	0°	0.0	0.00	90.0	8	S
-CONSTRUCTION SUPERVISION	135.90	57.41	193, 31	0.00	0.0	18 88 .88	80.03	39.43	16.71	34, 30	14, 48	35.81	15.06	7.48	3.13
9. IMPURT DUTIES & TAXES	0.00	384.92	384. 92	0.00	0.00	0.00	21.94	00.00	7.31	S S	144.66	0.00	185, 37	0.00	25.65
TOTAL (W/G (BC)	5144 69	3756 70	8901.31		83 30	661 62		834 69		1652, 22	1516.41	1730, 71	822. 22	237, 82	77.89
	00.0	1718.35			41.77	0.00		00.0	167, 60	0.0	318, 17	0.00	504.82	000	606.54
TOTAL PROJECT COST	5144.62	5475.05	10619.66	27.56	125.16	661. 62	543.96	834. 69	959.88	1652. 22	1834. 58	1730.71	1327.04	237.82	684.43
															ſ

	BASE	NNUAL EXPE	ANNUAL EXPENDITURE (CA	ANNUAL EXPENDITURE (CASE-2, 2nd Stage)	tage)	,						Ç	UNIT: WILLION BAHT	ION BAHT	
DESCRIPTION		TOTAL	1000	İst year	Į.	2nd year	3.r	3rd year	ar	4th yea	11	5th ye	year	6th year	3.5
	P. C	ں ئـ	SilM		. J	į,	ر ا ا	C.	J I	FC	ر د د	P. C	3.1	F. C	1. C
I. PRELIMINARY WORKS	0.00	28. 40	28.40	0,00	28.40	0.00	00.0	0.00	0.00	0.00	0.00	0.00	00 0	0.00	0.00
2. ENVIRONMENTAL MITIGATION	00.00	90.00	80.08	0.00	0.00	00	18.00	0.00	27.00	0,00	27.00	0.00	9.00	0.00	0.00
3. CIVIL WORKS	232, 55	348, 73	581.28	0.00	0.00	63, 72	46.03			51, 39	146.47	16.51	37.66	00.0	0.00
4. HYDRAULIC EQUIPMENT	382, 30	180, 80	563. 10	0.00	0.00	0.00	0.00	45.88	25.31	191, 15	115, 71	145.27	39. 78	00.0	0.00
5. ELECTRO-MECHANICAL EQUIP.							,			· .					
-TURBINE, GENERATOR & OTHERS	1,711.03	284, 07	284, 07 1, 995, 10	0.00	0.00	153,99	25.57	0.00	0.00	633. 08	105, 11	769, 96	127.83	153, 99	25.57
MAIN TRANSFORMER	115.35	12.75	128, 10	0.00	0.00	0.00	0.00	0.00	0.00	11.54	1, 28	103.82	11.48	0.00	0,00
6. TRANSMISSION SYSTEM	427.00	183,00	610.00	0.00	0.00	0,00	0,00	00.00	0.00	170.80	73.20	256.20		0.00	0.00
7. EGAT ADMINISTRATION	0.00	130,00	130 00	0.00	1. 12	0.00	9. 22	0.00	9.53	0.00		0.00	48.82	0, 00	15.51
8. ENGINEERING SERVICE			•		•										
-D/D AND TENDER PREPARATION	14.00	6,00	20.00	14.00	6.00	0.00	0.0	0.00	0.00	00.00	0.00	0.00	00.0	0.00	00.00
-CONSTRUCTION SUPERVISION	71.99	83 83	110.00	0.00	0.00	11.55		23, 10	9.90	19.25	% 52 52	19, 25	Ω ∞	3,85	 32
9. IMPORT DUTIES & TAXES	0.00	345.13	345.13	0.00	0.00	0.00	17.56	0.00	5.23	0.00	132.61	0.00	172.18	08 r	17.56
SUM OF BASE COST	2, 959, 23	2, 959, 23 1, 641, 88 4, 601, 11	4, 601, 11	14.00	44.52	229. 26	121. 32	169.90	195, 54	1, 077. 21	655. 43	1,311.01	564. 79	157.84	60.28

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			7.			Ş.									
1. 1.	AN	ANNUAL EXPENDITURE (CA	DITURE (CA	SE-2, 2nd	Stage)	• .	÷			.*		1)	IINIT- MILL	MILLION RAFT	
DESCRIPTION		TOTAL	1000	1st year		2nd year		3rd year	1	4th year	-	5th year		6th year	
	ت د	ر ان	NS.	F. C	ر ر	F.C	0	F. C	ı. C	ري نعر	ر. د د	F, C	J. C	я. О	1, C
1. PRELIMINARY WORKS	0.00	2.84	2.84	0.00	2.84	0.0	0.00	0.00	0.00	0, 00		0.00	0.00	00.00	0.00
2 ENVIRONMENTAL MITIGATION	00.00	9.00	9.00	00.00	0.90	0.00	1.80	00.00	2, 70	00.00	2.70	0.0	0.90	0.00	0.00
3. CIVIL WORKS	23. 26	34, 87	58.13	0.00	0.00	6.37		10.09	11.86	5.14		1.65	3.77	00.0	0
4. HYDRAULIC EQUIPMENT	38. 23	18, 08	56 31	00.00	000	0.00	0 0	4.59	2.53	19.12	11.57	14.53		0.00	00.0
5. ELECTRO-MECHANICAL EQUIP.				• .•	- :		 							24	
-TURBINE, GENERATOR & OTHERS	119.77	19.88	139 66	0.00	0.0	10. 78	1.79	0.00	000	44.32		53, 90	8	10.78	<u>က</u>
-MAIN TRANSFORMER	8.07	0, 89	8.97	0.00	0.0		00 0	0.00	0.00	0.81	0.09	7.27	0.80	0.00	000
6. TRANSMISSION SYSTEM	29.83	12, 81	42. 70	0.00	0.00	0,00	0.00		0.00	11.96	57	17.93	1.69	0.00	8
7. EGAT ADMINISTRATION	0.00	13.00	13.00	0.00	0.11	0.00	0.76	0.0	0.95	0.0	89 89	0.00	3.64	0.00	3,85
8. ENGINEERING SERVICE						:		:			- (
-D/D AND TENDER PREPARATION	1,40	0, 60	200	1.40	0.60	0.00		00.00	0.0	0.00		0.00	0.00	0.00	0.00
-CONSTRUCTION SUPERVISION	7. 70	3.30	11.00	0.00	0.00	1.16	0.50	2,31	0.99	1.93	0.83	1.93		0,39	0.17
9. IMPORT DUTIES & TAXES	0.00	25, 47	25.47	0.00	0.00	0.00	1. 23	0, 00	0.52	0.00	9,94	00 0	12 55	00.00	-:
SUM OF PHYSICAL CONTINGENCY	228. 32	228. 32 140. 75	369.07	1.40	4, 45	18.31	10.68	16, 99	19, 55	83. 26	55.93	97. 20	43.10	11.16	7.03

Stage)
(CASE-2, 2nd
EXPENDITURE
ANNUAL

	PRI	PRICE CONTINGENCY	.K.i		. i							<i>ټ</i>	CNIT: MIL	CION BAHT >	
DESCRIPTION		TOTAL		lst y	year	2nd year	381	3rd year	ear	4th year	ar	5th year	12	6th year	3.
	F. C	J. C	SUM	F. C	ر ا	F. C	2	F. C	J. C	ن	ပ ပ	C)	ر. د	F.C	3
I. PRELIMINARY WORKS	0.0	1.25	1.25	6 6 6		0.00	0,0	0.00	0.00	0,00	0.0	0.00	0.00	0.00	0,00
2. ENVIRONMENTAL MITIGATION	0.00	12.93	12.93	0.00	0.40	0.00	1.62	0.00	3.71	0.00	5.05	00.00	2, 15	00.00	0,00
3. CIVIL WORKS	36.62	56.83	93.45	00.00		6.31	4.15	15, 32	16, 30	10.63	27.39	4, 36	8 8	0.00	0,00
4. HYDRAULIC EQUIPMENT	84.85	34.61	119.46	00.00		0.00	0.00	6.96		39, 53	21.64	38.35	6,49	0.00	ි ර
5. ELECTRO-MECHANICAL EQUIP.					•						-	٠.			 ;-
-TURBINE, GENERATOR & OTHERS	388.51	58, 29	446.81		00.00	14, 83		000	0.00	127,35	19, 12	197 73		48.61	7,23
-MAIN TRANSFORMER	88 88 88	2.30	31.88	0.00	00.0	00.0	00.00	0.0	00.00	2, 32	0.23	26.66	2.66	0.00	00,00
6. TRANSMISSION SYSTEM	100 15	38 88	138.96		00.00	0.00		0.00	0.00	34.36	13. 32	65. 79		00.0	0,00
7. EGAT ADMINISTRATION	0.00	27. 10	27.10		0.05	0.00		0.0	1.31	00.00	8.41	0.00		0.00	5, 13
8, ENGINEERING SERVICE	17	ÿ.									<u> </u>				
-D/D AND TENDER PREPARATION	0.68	0, 26	0.04	0.68		0.00			0.00	0.00	0.00	0.00	0.00	0.00	0,00
-CONSTRUCTION SUPERVISION	14.96	5.80	20.76	0.00	0.00	1.14	0,45	3.51	1.36	3.98	1.54	5.08	1.97	1.33	0, 48
9. IMPORT DUTIES & TAXES	00.00	71. 56	71.56	0.00		0.00	1.54		0.72	0.00	24. 23	0.00	40,09	0.00	4, 98
SUM OF PRICE CONTINGENCY	654, 75	310, 35	965. 10	0.68	1.96	22. 28	10.82	25. 79	26. 89	218.17	120.93	337.97	131.91	49,86	17.84

ANNUAL EXPENDITURE (CASE-2, 2nd Stage)

	BASE COST INCLUDE PHYSICAL CONTI	CLUDE PHYS	ICAL CONT	INGENCIES								`	UNIT: MILI	LION BAHT)	
DESCRIPTION		TOTAL		lst year	32 r	2nd year	ar	3rd year	3.5	4th year	ar	5th year	ar	6th year	a.
	P. C	ر د	MIS	F. C	r, c	٦ د	ر 1	F. C	3.7	F. C	1. 0	F, C	ر. ر د. ر	F. C	ပ
1. PREL IMINARY WORKS	00.00	31.24	31.24	0.00	31.24	0.00	0.00	0.00	0.00	0.00	00.00	0.00	0.00	0.00	0,00
2. ENVIRONMENTAL MITIGATION	00 0	99 00	99,00	0.00		00.0	19.80	0.00	29.70	0.0	29. 70	00 0	90	00.0	00
3. CIVIL WORKS	255.81	383, 60	639.41	0.00	0.00	70.09	50.64	111.02	130.43	56.53	161.11	18.16	41, 43	00.0	o, 00
4. HYDRAULIC EQUIPMENT	420.53	198,88	619.41	0.0		0.00	0.00	50.46	27.84	210, 27	127. 28	159.80	43, 75	0.00	o.00
5. ELECTRO-MECHANICAL EQUIP.			٠.					:		٠.	· ·		÷		
-TURBINE, GENERATOR & OTHERS	1830.80	303, 95	2134, 76	00.00	0.00	164.77	27, 36	00.00	0.00	677.40	112, 46	823.86	136.78	164.77	27, 36
-MAIN TRANSFORMER	123.42	13,64	137.07	0.00	0.0	00.0	00.0	0.00	0.00	12.34	1.36	111.08	12, 28	0.00	8
6. TRANSMISSION SYSTEM	456.89	195, 81	652.70	0.00	0.00	0.00	0.00	0.00	0.00	182, 76	78.32	274.13	117.49	00.0	00.00
7. EGAT ADMINISTRATION	0.00	143.00	143.00	0.00	1. 23	0.00	98	0.00	10.48	0.00	49.49	0.00	52, 46	0.00	19.36
8. ENGINEERING SERVICE			45.	11	•						:		-		
-D/D AND TENDER PREPARATION	15.40	6. 60	22.00	15.40		0.00	0.00	0.00	0.00	0.00	0.0	0.00	0.0	00.00	800
-CONSTRUCTION SUPERVISION	84. 70	36, 30	121.00	0.0	0.00	12. 71	5.45	25,41	10.89	21, 18	80.6	21.18	80 80 80	4.24	1.83
9. IMPORT DUTIES & TAXES	000	370.60	370.60	0.00		00.00	18, 78	0,00	5,73	0.00	142.55	00.	184, 73	0.00	18.78
	2107 GE	9107 EE 1700 R3 4070 18	4070 18	т. С	48 07	247 57	139	28.89	215 00	1160 47	71138	1408 22	807.80	189 01	27.21
10185	3101. 33	1 (02, 03	4210.10	£ 5: 40		631.07	102.	*CO: CO	213	7400.21	201	4400.75	25	103.01	01, 31
ECONOMIC COST	3187.55	3187.55 1412.03 4599.58	4599. 58	15.40	48.97	247.57	113, 22	186.89	209.34	1160.47	568. 81	1408, 22	423, 16	169.01	48.53

	-10	ANNUAL EXPENDITURE (CASE-2.	VDITURE (C.	2nd	Stage)				. 4						٠
TOTAL PROJ	ECT COST (TOTAL PROJECT COST (BASE COST INCLUDE PHYS	INCLUDE PH	CAL & P	PRICE CONTIN	GENCIES)						`	UNIT: MILL	LION BAHT)	
DESCRIPTION		TOTAL		1st year	-	2nd year	ar	3rd yea	25	4th ye	year	5th year	2.5	6th year	L.
	ۍ. ن	۲. C	SUM	F. C.)]]	r. C	T, C	ر. د	_i	9. C	ر د	₽, C	ر. د	٠. د	٠,
1. PRELIMINARY WORKS	0.0	32.49	32.49	0.00	نما	0.0	0.00	0,00		0.00		0.00	0,00	0.00	0.00
2. ENVIRONMENTAL MITTIGATION	0, 00	111.93	111, 93	0.00	10, 30	0,00	21, 42	0.00	33, 41	000	34. 75	00.00	12,05	00.00	0,00
3. CIVIL WORKS	292. 42	440, 44	732.86	0.00	0.00	76.40	54. 79	126.34		67.16		22. 52	50,42	0,00	ر 3
4. HYDRAULIC EQUIPMENT	505, 38	233, 49	738.87	0.00	0.0	0.00	0 00	57.43		249.79	148.92	198.15	53.25	0.00	90.0
5. ELECTRO-MECHANICAL EQUIP.											- +		····		
-TURBINE, GENERATOR & OTHERS	2219.32	362, 25	2581, 56	0.00	0.00	179.60	29.60	00.00	0,00	804. 75	131.58	1021, 59	166.46	213, 38	34.61
-MAIN TRANSFORMER	152, 40	16, 54	168, 94	0.00	00.00	0.00	0.00	0.00	0.00	14.66		137.74	14,94	0, 00	9
6. TRANSMISSION SYSTEM	557.04	234.62	791.66	0.00	0.00	000	00.0	00.00	0.00	217.11	91.64		142, 98	0.00	9
7. EGAT ADMINISTRATION	0 00	170, 10	170, 10	0.00	1.28	0.00	10.80	0.00	11.79	0.00		0.00	63.84	0.0	24. 49
8. ENGINEERING SERVICE			-	*:			<u> </u>		·	4				٠,	7,
-D/D AND TENDER PREPARATION	16.08	5,86	22, 94	16.08		0.00		0.00	0.00	0.00	0 0	0.00	00.00	00.00	0.00
-CONSTRUCTION SUPERVISION	99.66	42, 10	141.76	0.00	00.0	13.85	9. 89.	28, 92		25. 16	10.62	26. 26	11.04	5.48	2,30
9. IMPORT DUTIES & TAXES	0.00	442, 15	442, 15	00 0		00.00	20.32	0,00		0.0	166.78	0.00	224.81	0.00	23. 76
TOTAL (W/N IDC)	3842, 30	2092 98	5935 28	16.08	50 93			212.68		1378,64		1746. 19	739.80	218.86	
	0.00	٠		00.00	30, 74	00.0	45.48	00.0	73.77	0.8	156, 62	0.0	311.78	00	
TOTAL PROJECT COST	3842, 30		6965.05	16.08	81.67			212. 68		1378.64		1746. 19	1051, 56	218.86	496, 55

	₩	ANNUAL EXPENDITURE (T 3	ASE-3 . 1st Stage)	Stage)			* * * ;	12.0		-	٠			
	BAS	BASE COST (1991 PRIC	1991 PRICE)								~	UNIT: WILLION BAHT	ION BAHT	
DESCRIPTION		TOTAL		1892		1993	-	1994		1995		1986		1997	
	я. С	ن ن	#IS	F. C	ر د د	F.C	p. C	P. C	ر. د	F.C	1, 0	F. C	r. C	F. C	L.C
1. PRELIMINARY WORKS	0.0	158.80	158.80	80	50.00	0.00	108.80	0.00		0.00		0.00	0.00	0.00	00.00
2. ENVIRONMENTAL MITIGATION	9.0	150.00	150.00	0.00	15.00	0.00	30 00	0.00	45.00	0.00	45.00	0.00	15.00	0.00	8
3. CIVIL WORKS	1, 502. 64	1, 698, 62	3, 201, 26	0.00	0.0	411.72	224. 22	652, 15		332.08		106.69	183, 45	9 8	000
4. HYDRAULIC EQUIPMENT	814.20	545.00	545, 00 1, 359, 20	0.00	0.00	0.0	0.0	97.70		407.10	348.80	309.40		0.00	00.0
5. ELECTRO-MECHANICAL EQUIP.			•						-	;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;				 	
-TURBINE, GENERATOR & OTHERS	1, 845, 71		2, 145, 30	0.0	00.0	166.11	26. 96.	00.00	0.0	682, 91	110.85	830.57	134.82	166, 11	88
-MAIN TRANSFORMER			12, 75 128, 10	0.00	.o.	0.00	0.00	0.00	0.0	11.54	1.28	103.82	11.48	0.00	9
6. TRANSMISSION SYSTEM	126.00	54.00	180,00	0.0	0.00	00.00	00.0	0.0	0.0	50.40	21.60	75.60	32.40	0.0	0.00
7. EGAT ADMINISTRATION	0.00	220.00	220,00	8	1.95	0.00	29, 03	0.0	43,46	0.00	81.75	00.0	57, 69	0.0	6.11
8, ENGINEERING SERVICE											:				:
-D/D AND TENDER PREPARATION	39.00	10.00	40.00	8	8.00		2,00	0.00	0.00	0.00	00.0	0.00	0 0	0.00	00
-CONSTRUCTION SUPERVISION	126.00	54.	180 00	00.0	0.00	18.90	8. 10	37.80	16 20	31.50	13, 50	31, 50	13, 50	6.30	2.70
9. IMPORT DUTIES & TAXES	0.00	343.92	343.92	0.00	0.00	00.00	18, 94	0.00	11.14	0.00	136. 59	0.0	158.32	8	18.94
SUM OF BASE COST	4, 559, 90	4, 559, 90 3, 546, 68 8, 106, 58	8, 106, 58	24.00	74.95	602. 74	448.05	787. 65	769.63	1, 515, 53	1, 472, 79	1, 457, 57	726.55	172, 41	54.71
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												•	Tree Grant		
	PHYS	PHYSICAL CONTINGENCY	GENCY					,				_	UNIT: MILL	MILLION BAHT)	
DESCRIPTION		TOTAL	<u> </u>	1992		1993		1994		1995		1996		1997	
	3.5	ر. د. د	SUM	r. O	ر. ر	F. C	L. C	F.C	L. C	F. C	L. C	F. C	r.	F, C	r. c
1. PRELIMINARY WORKS	9.0	15.88	15.88	0,0	5.00	0.00	10.88	0.00	0.00	0.00	0.00	0.00		0.00	0.00
2 ENVIRONMENTAL MITIGATION	0.00	15.00	15.00	0,00	1.50	00.00	3.00	0.00	4.50	0.00	4.50	0.00		0.00	0.0
3 CIVIL WORKS	150.28	169,86	320, 13	0.00	0.00	41.17	22, 42	65.21	57.75	33. 21	71.34	10.67	18.35	0.00	9
4. HYDRAULIC EQUIPMENT	81. 42	54.50	135.92	0.00	0 0	0.00	0.00	9. 77	7.63	40.71	34.88	30.94	11.99	0,00	0.0
5. ELECTRO-MECHANICAL EQUIP.		- 1					·		-						
-TURBINE, GENERATOR & OTHERS	129.20	20, 97	150, 17	00.00	00.00	11.63	.:	0.0	0.00	47.80	7.76	58.14	9,44	11.63	1 89
-MAIN TRANSFORMER	03 03	0.89	8, 93	00.00	0.00	0.00	00.00	00.0	0,00	0.81	0.09	7.27	0.80	00.00	0
6 TRANSMISSION SYSTEM	82	3, 78	12.60	0.00	00.0	00.0	0.00	0.00	0.00	3.53	1.51	5, 29	2.27	0.00	00.0
7. EGAT ADMINISTRATION	0.00	22.00	23	0.00	0.20	0.00	2.73	0.00	4,35	0.00	 88	00.00	4.70	0.00	2.65
8. ENCINEERING SERVICE															
-D/D AND TENDER PREPARATION	3.00	1:00	4.00	2,40	0.80	0.60	0.20	0.00	00.0	0.00	0.00	0,00	<u>ූ</u>	8.8	0
-CONSTRUCTION SUPERVISION	12.60	5.40	18.00	0.00	0,00	1.89	0.81	3. 78	29	3, 15	1.35	3, 15	: 3	0, 63	0.27
9, IMPORT DUTIES & TAXES	0.00	26.86	26.86	0.00	0.00	0.00	1.33	0.00	1. 11	0.00	10.95	0.00	12. 14	0.00	1.33
SUM OF PHYSICAL CONTINGENCY	393. 38	336. 14	729, 52	2, 40	7. 50	55, 29	43, 25	78.76	76.96	129. 21	139.77	115.46	62. 53	12.26	6. 13

ANNUAL EXPENDITURE (CASE-3, 1st Stage)

	PRIC	PRICE CONTINGENCY	ENCY	 				•		•		_	UNIT: MIL	LION BAHT	-
DESCRIPTION		TOTAL		1992		1993		1994	-	1995		1996		1997	
	٦. د	1. C	SUM	F. C	0	F. C.	l C	FC	J. J.	0	نا	C)	J 7	F.C	ر 1 د
1. PRELIMINARY WORKS	0.00	12.01	12.01	9.8	2.20	0.00	9.81	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0,00
2. ENVIRONMENTAL MITTIGATION	0.00	21.55	21.55	0.00	0,66	00.00	2 7	0.00	6.19	000	8,42	0.00	3.58	0.00	0.00
3. CIVIL WORKS	236.60	276, 83	513.43	0.0	6	40, 76	20.22	00 66	79.41	68, 67	133, 41	28.17	43.79	00.00	0.00
4. HYDRAULIC EQUIPMENT	180.70	104.34	285.04	0,00	00.00	00 0	00 0	14 83	10.49	84.19	65.23	81.68	28.62	0,0	0,00
5. ELECTRO-MECHANICAL BOUIP.			: •		;. ;		· ·) 		;					
-TURBINE, GENERATOR & OTHERS	419, 10	61.48	480, 57	0.0	8	16.00	2.37	0.00	00	137, 37	20.16	213, 29	31, 30	52, 43	7.65
-MAIN TRANSFORMER	28 98	2.90	31.88	0.0	0,0	000	0	00 0	0.0	2,32		26.86	2. 66	0.0	9
6. TRANSMISSION SYSTEM	29, 55	11.45	41.00		00.0	0.00	0.00	0.00	00.0	10.14		19.41	7.52	0.00	0.0
7. EGAT ADMINISTRATION	00.00	39.68	39.68		00	0.00	2.60	00 0	. Kr	6		00.0	13.54	0.00	2,33
8. ENGINEERING SERVICE															
-D/D AND TENDER PREPARATION	1.76	0.53	2.20	1.16	0, 35	0.59	0.18	0,00		0.00		0.00	0.00	00.0	0.00
-CUNSTRUCTION SUPERVISION	24. 48	9.49	33.98	00.00	00.0	1.87	0 2	5, 74		6,51	c,	3, 32	3.22	2.04	0.79
9. IMPORT DUTIES & TAXES	0.00	70.64	70.64	0,00	0.00	0.00	1.66	0.00	1.53	0.00	ध्र	0.00	35, 99	0.00	5.37
SUM OF PRICE CONTINGENCY	921. 16	921. 16 610. 90 1532. 06	1532.06	1.16	ි ස	59. 22	40.29	119, 57	105.82	309. 21	274, 13	377, 53	17. 23.	54, 48	16, 12

ANNUAL EXPENDITURE (CASE-3, 1st Stage)

	T AND COLOURS	THE DISCOURSE OF THE POST			/1991				٠.			,	Take metal	, #11 C 11C1	
	BASE CUSI INCLUDE PHISICAL CUNI	NULLUE PRY	SICAL CUNI	INCENCIES)	UNIT: MIL	IUN BAHI	
DESCRIPTION		TOTAL		1992		1993		1994		1995		1996		1997	
	J 4	1. C	MIS	F.C	ر. د	7. C	υ J	J L	٦. د د	to to	၁ :	F. C	r. c	F.C	1, 0
1. PREL IMINARY WORKS	00.00	174 68	174.68		55,00	0.0		00 0	0.00	0.0	00.0	8		0.00	0.00
2. ENVIRONMENTAL MITIGATION	8	165.00	165.00	0.00	16, 50	0.00		0.00				000		00.0	0.0
3. CIVIL WORKS	1652, 90	1868.48	3521.39	0.00	00.0	452, 90	246.64	717, 36	635. 28	365, 29	784. 76	117.36	201.80	0.00	00.0
4. HYDRAULIC EQUIPMENT	895. 62	599, 50	1495, 12	0.0	0,00	0,00		107.47				340.34		00.00	00.0
5. ELECTRO-MECHANICAL EQUIP.									_	.:				1.	
-TURBINE, GENERATOR & OTHERS	1974.91	320.56	2295. 47		0,00	177.74	28.85	0.00	0.00	730, 72	118.61	888. 71	144.25	177.74	28.85
-WAIN TRANSFORMER	123.42	3 CI	137.07	0.00		0.0	00.0	0.00	0.00	12.34	1.36	111.08	12.28	0.00	0.0
6. TRANSMISSION SYSTEM	134.82	57.78	192, 60	Ċ,		8	000	0.00	00.0	53.83	23.11	80.88	34.67	0.00	0.00
7, EGAT ADMINISTRATION	0.00	242,00	242, 00	Ö	2, 15	0.00	31. 76	0.00	47.81	00.00	89, 13	0.00	62.39	0.00	8.76
8. ENGINEERING SERVICE				:										3.	
-D/D AND TENDER PREPARATION	33.00	11.00	44.00	26. 40	8.80	6.60	2.20	0.00	00.0	0.00	00.00	90.0	0.00	00.00	
-CONSTRUCTION SUPERVISION	138.60	59.40	198.00	0,00	0.0	20. 79	8.91	41.58	17.82	34, 65	14.85	34, 65	14.85	6.93	2.97
9, IMPORT DUTIES & TAXES	0.0	370.78	370.78	00.00	0.00	0.00		0.00	12, 25	0.00	147.55	0.00	170.46	0.00	
					<u> </u>										
TOTAL	4953, 28	4953, 28 3882, 83 8836, 11	8836.11	26.40	82. 45	658.03	491.31	866.41	846.59	1644. 74	1612.56	1573.03	28 28 28	184.67	98
ECONOMIC COST	4953. 28	4953, 28 3512, 05 8465, 32	8465.32	26.40	82. 45	658.03	471.04	866.41	834.34	1644. 74	1465.01	1573, 03	618.63	134.67	40, 58

		ANNIAL EXPENDITURE (C.	INTTIME (C	SF-3 1st	Stage)			-			: .			-	
TOTAL PROJ	TOTAL PROJECT COST (BASE COST INCLUDE PHY	BASE COST	INCLUDE PH	SICAL &	TICE CUNTIN	(GENCIES))	UNIT: MILI	(THAN NOT.	i
DESCRIPTION		TOTAL		1992	 	1993		1954		1995	-	1996		1997	
	ں ا	1. C	SUM	٦. د د	J. C	<u>د</u> .	L, C	F, C	ر. ر	٦.	ر. د	F. C	T. C	F.C	ι, C
1. PRELIMINARY WORKS	0.00	186.69	186, 69	00 00	57, 20	0.00	129.49	0.00	0.00	00.00	0.00	0.00	0.00	0.00	0,00
2. ENVIRONMENTAL MITIGATION	0,00	186.55	186.55	1	17.16	0.00	35.71	0.00	55.69	0.00	57.92	00.00	20.08	0.00	0,0
3. CIVIL WORKS	1889.50	2145, 32	4034.82	00.00	8	493, 66	266.86	816.36	714.69	433.97	918, 17	145, 52	245.59	0.00	00.00
4. HYDRAULIC BOUIPMENT	1076, 32	703.84	1780.16	0, 00	0.00	0.0	00.00	122, 31	94, 42	532.00	448, 91	422, 02	160.51	0.00	0.00
5. ELECTRO-MECHANICAL EQUIP.									•						
-TURBINE, GENERATOR & OTHERS	2394.01	382.04	2776.04	0, 00		193.74	31.22	0.00	00.0	868.09	138, 77	1102,00	175.56	230. 18	36, 50
-MAIN TRANSFORMER	152, 40	16.54	168.94	00,00		0.00	00.00	0.00	0.00	14.66	1.80	137 74	14.94	9.0	0.00
6. TRANSMISSION SYSTEM	164.37	69 23	233.60	0,00	0.00	00.00	00.00	00.0	00.00	64: 07	27.04	100.31	42, 19	0.00	00.0
7. EGAT ADMINISTRATION	00 00	281.68	281.68	0,00		00.0	34.37	0,00	53.78	0.00	104, 29	00.0	75.93	0.00	11.08
8. ENGINEERING SERVICE	30 - 30 							٠,							
-D/D AND TENDER PREPARATION	SZ. ZS	11.53	46.29	27, 56	9, 15	7, 19	2.38	00,00	0.0	0.00	0.00	0.00	8	0.00	0.0
-CONSTRUCTION SUPERVISION	163, 08	68.89	231.98	0,00	0.00	22.66	9.64	47.32	20.02	41.16	17, 37	42.97	18.07	8.97	3, 76
9. IMPORT DUTIES & TAXES	00.00	441. 42	441.42	0,00	0.00	0.00	21.92	0, 00	13.78	0.00	172, 63	0.00	207.45	0.00	25.63
TOTAL (W/A the)	5874 44	, s ²	4493 73 10368 17	97.56		717 25		985 98		1953 95	1886 69	1950 55	960 32	239 15	76.96
	00.0		1994, 04	, S	47.31	00 0	88.70	00	190, 24	0.0	371, 26	00.00	591, 10	0.0	705, 43
TOTAL PROJECT COST	5874, 44	6487.77	_	27.56		717. 25		985.98		1953, 95	2257, 95	1950, 55	1551. 42	239, 15	782, 39

	₹ (0#0	₹ 5	NDITURE (C/	EXPENDITURE (CASE-3, 2nd Stage)	Stage)						7.1111.7	THIT. HILL DAET	Dauff)
ARSCRIPTION	DAGE		TANT LUICE	104 1000		, F. C		6 60		446 11002	1	T: MILLION DA	DAGI /
10000	62	T C	N. 75	131 7		Trac nuz		I C		2 2	1	3 2	1
1. PRELIMINARY WORKS	0.0	0.00	0.00	7	0.00	00.0	00 0	0.00	0.00	8	00.0	0.00	0.00
2. ENVIRONMENTAL MITIGATION	0.00	60.00	90.00	0.0	9	0.00	38.00		8	00.00	00.0	0.00	0.00
3. CIVIL WORKS	4.30	28.60	33, 90	000	00 0	0.00	00	00.0	00	4.30	29.60	0.0	0,00
4. HYDRAULIC EQUIPMENT	0.00	0.00	00.00	00	00 0	0.00	00		00	000	000	0.00	0.00
5. ELECTRO-MECHANICAL EQUIP.									:				
-TURBINE, GENERATOR & OTHERS	1504.16	248.84	1, 753, 00	0.00	0.00	150, 42	24.88	451.25	74.65	752.08	124. 42	150.42	24. 88
-MAIN TRANSFORMER	115.35	12, 75	128, 10	0.00	0.00	0.00	0.00	11,54	1. 28	103.81	11.47		00.0
6. TRANSMISSION SYSTEM	427.00	183.00	610.00	0.00	0.00	0.00	00.0	170.80	73.20	256. 20	109.80		0.00
7. EGAT ADMINISTRATION	0.00	90.00	90.00	0.00	0.18	0.00	8,9	0.00	24.02	00.00	41.75	00.00	17.71
8. ENGINEERING SERVICE													
-D/D AND TENDER PREPARATION	7.00	3.00	10.00	7.00	3.00	0.00	0.00	0.00	00.00	0.0	0.00	0.00	00.00
-CONSTRUCTION SUPERVISION	56.00	24.00	80.00	0.00	0.00	8.40	3.60	16.80	7. 20	16.80	7. 20	14.00	6.00
9. IMPORT DUTIES & TAXES	0.00	277.97	277.97	0.00	0.00	00.00	17.15	0.00	90.08	00 0	153.58	0.00	17.15
SUM OF BASE COST	2, 113, 81	929. 16	3, 042, 97	7,00	81.6	158.82	87.97	650, 39	288, 45	1, 133, 19	477.82	164.42	65.74

65, 74

	¥		DI TURE	(CASE-3, 2nd Stage)	tage)		*. #						. :-
	PHY	SICAL CONTI	NGENCY						-		NO O	UNIT: MILLION BAHT	(BAHT)
DESCRIPTION		TOTAL		1st year	ar	2nd year	ar	3rd year	ar	4th year	ā.	5th year	.2r
	F. C	r. c	SUM	F. C	ပ	. C	 C)	F. C	1. C	ر د د	ر د ا	F.C	J. C
PRELIMINARY WORKS	0.00	0.00	0.00	00.00	0.00	0.00	0.0	0.00	0.0	00 0	0.0	0.00	0.00
ENVIRONMENTAL MITIGATION	0.00	6, 00	9	0.00	0.60		3.60	0.0	8	0.0	0.00	00.00	00.0
. CIVIL WORKS	0.43	2. 96. 7.	3,39	0.00	0.00	0.00	0.00	0.0	0.0	0.43	2.96	0.0	0.00
. HYDRAULIC EQUIPMENT	0.00	000	90.0	0.00	0,00	0.00	0,00	0.0	0.00	0.00	0.00	00.0	00.0
. ELECTRO-MECHANICAL EQUIP.							<u> </u>						
-TURBINE, GENERATOR & OTHERS	105.29	17.	122.71	0.0	00.0	10.53	1.74	31.59	5.23	52.65	8 71	10.53	1.74
-MAIN TRANSFORMER	8.07	0.89	8, 97	0.00	000	0.00	0.0	0.81	0.0	7 27	0.80	0.00	0.00
TRANSMISSION SYSTEM	29.88	12.81	42, 70	0.00	00.0	0.00	0.00	11.96	5. 12	17.93	7.69	0.8	00.0
EGAT ADMINISTRATION	8.0		8	0.0	0.05	0.0	0.48	0.0	1. 70	0.00	2.95	0,0	3 36
ENGINEERING SERVICE							25 25 25						
-D/D AND TENDER PREPARATION	0.70	0.30	1.00	0.70	0.30	0.00	0.00	0.00	° 8	0.00	0.00	00.00	0.00
-CONSTRUCTION SUPERVISION	5.60	2.40	8.00	0.00	0.00	9.84	0.36	1.68	0.72	1.68	0.72	1.40	0.0
INPORT DUTIES & TAXES	0.00	19.46	19.46	0.00	0.00	0.00	1. 20	0.00	6.31	0.00	10.75	0.00	1.20
SUM OF PHYSICAL CONTINGENCY	149.99	71.24	221. 22	0.70	0.92	11. 37	7. 38	46.03	20.96	79.96	34. 58	11.93	7.40

ANNUAL EXPENDITURE (CASE-3, 2nd Stage)

	PRIC		SNCY	i		•	-			. ;	=	JNIT: MILLI	IN BAHT)
DESCRIPTION		TOTAL		1st y	уеаг	2nd year	ear	3rd year	ar	4th year	ar	5th year	
	F.C	J. C	SUM	F.C	ι. Ω	F. C	L. C	F. C	C.C	F.C	2.7	J. J.	۲. د
1. PRELIMINARY WORKS	0.00	0.0		0.00	00.0	000	0.00		0.00	0.00	0.00	0,00	0.00
2. ENVIRONMENTAL MITIGATION	0.00	5.99	5.99	0.0	0.26	0.00	3 23			00.00	0.00	0.00	0.00
3. CIVIL WORKS	0.89	5.54	6.42	0.0	0.00	00.0	0.00	0.00	0.00	0.89	5.54	0.00	0.00
4. HYDRAULIC EQUIPMENT	0.00	000	0.00	0.00	00 0	0.00	0.00			00.0	0.00	0.00	0.00
5. ELECTRO-MECHANICAL EQUIP.											:		
-TURBINE, GENERATOR & OTHERS	204, 40	30.59		00.0	0.00	14.49		0.00	0 0	151.29	22 63	38. 63	
-MAIN TRANSFORMER	20, 88	2.09		0.00	0.00	9.00		0.00	000	20 88	2.09	0, 00	
6. TRANSMISSION SYSTEM	76, 76	29. 76	106, 52	0.00	90.00	0.0	00.0	25, 22	9. 79	51.54	19.97	00.00	0.00
7. EGAT ADMINISTRATION	0,00	16.06		800	0.0	0.0		0.00	3. 21	0.00	7. 60	00.00	
8. ENGINEERING SERVICE													
-D/D AND TENDER PREPARATION	0.34	0, 13	0.47	0.34	0.13	0.00		0.00	00.00	0.00	0.00	0.00	
-CONSTRUCTION SUPERVISION	10.55	4.09	14, 65	0.0	0.00	0.83	0.32	2.55	0.99	3, 47	1. 35	3, 70	1.43
9. IMPORT DUTIES & TAXES	0.00	45.47	45.47	0.00	0.00	0.00		0.00	12.05	0.00	27.94	0,00	
SUM OF PRICE CONTINGENCY	313.82	139.72	453, 54	0.34	0.40	15.32	7.82	27.77	28. 52	228.07	87.11	42, 32	15.87

ANNUAL EXPENDITURE (CASE-3, 2nd Stage)

	BASE COST INCLUDE PHYSICA	NCLUDE PHY	SICAL CONT	INCLUDE PHYSICAL CONTINGENCIES	1000	:						1)	UNIT: MILLION BAHT	
DESCRIPTION		TOTAL		1st year	38.	2nd year	31	3rd year	L, to	4th year	ar	5th year	\$-q	,
	<u>د</u>	L.C	SUM	F. C	L. C	F. C	T. C	F. C	2 ?	P. C	J. C	F. C	r.c	
I. PRELIMINARY WORKS	0.00	0.00	00.0	0.00	0.00	00.0	0.00	00.0	0.0	0, 00	0.00	0.00	0.00	
2. ENVIRONMENTAL MITICATION	0.0	66.00	99.00	0.00	6.60	0.00	39.60	0,00	19.80	00.00	0.00	00.00	0.00	
3. CIVIL WORKS	4.73	32, 56	37, 29	0 0		0.0			0.00	4, 73	32, 56	0,00	0.00	
4. HYDRAULIC EQUIPMENT	0,00	0.00	00.00	0.00	0.00	0.00	0.00	0.00	0.00	0 0	0.00	00'00	0.00	
5. ELECTRO-MECHANICAL EQUIP.		: : : : : : : : : : : : : : : : : : :			- 1		<u> </u>							
-TURBINE, GENERATOR & OTHERS	1609, 45	266.26	1875, 71		00.00	160.95	26.63	482.84	79.88	804, 73	133, 13	160,95		
-MAIN TRANSFORMER	123, 42	13.64	137, 07	0.0	0.00	0.00	0.00	12, 35	1.37	111.08	12.27	0.00		
6. TRANSMISSION SYSTEM	456.89	195.81	652, 70			0.00	0.00	182, 76	78.32	274.13	117.49	00.00	0.00	
7. EGAT ADMINISTRATION	0.00	99.00	99.00	0.00	0.20	0.00	6.82	0.00	25. 72	0.00	44. 70	0.00		
8. ENGINEERING SERVICE					-			:						
-D/D AND TENDER PREPARATION	7, 70	3,30	11.00	7. 70	90 80	. 00:0	0.00	0.00	00	0000	0.00	0.00	0.00	
-CONSTRUCTION SUPERVISION	61.60	26.40	88.00	0.00	0.00	9.24	3.98 8.98	18, 48	7.92	18, 48	7.92	15,40	6. 60	
9. IMPORT DUTIES & TAXES	00.0	297, 42	297. 42	00.00	00 0	0.00	18.35	0,00	96.40	0 00	164	0,00	18.35	
	1	-										• 1	-	
TOTAL	2263, 80	1000,40	3264, 19	7.70	10 10	170. 19	95, 35	696. 42	309. 41	1213, 15	512.40	176.35	73.14	
ECONOMIC COST	2263.80	2263, 80 702, 97 2966, 77	2966. 77	7. 70	10, 10	170.19	77.00	696. 42	213.01	1213. 15	348.07	176.35	54. 79	

		ANNUAL EXPENDITURE	DITURE (C)	(CASE-3, 2nd Stage)	<u>ب</u>			· .		.7				
TOTAL PRO	TOTAL PROJECT COST (BASE COST INCLUDE	BASE COST	NCLUDE PH	PHYSICAL & PRICE CON		NGENCIES)						1)	UNIT: MIL	LON BAHT >
DESCRIPTION		TOTAL		1st year		2nd year	11	3rd year	ar	4th year	3.7	5th year	L,	
	F, C	r. c	SUM	F.C		F. C	ر ر	U See	2,1	F.	L. C	F. C	ပ	
. PRELIMINARY WORKS	00.0	0.00	0.00	}	0.00	00.0	0.00	0.00	0.00	0.00	0.00		0.00	
LENVIRONMENTAL MITIGATION	00.00	71.99	71.99	0.00	6.86	00.0	42.85	00.0	22, 28	0,00	0 00		0.00	,
S. CIVIL WORKS	5.62	38, 10	43.71	00.00	0.00	00.0	00 0	0.00	0.00	5.62	38, 10	0 00	0.00	
L HYDRAULIC EQUIPMENT	0.00	0,00	00.0	0,00	0,00	00	00.0	0.00	0.00	00.00	00		0.00	
. ELECTRO-MECHANICAL BOUIP.		v V		·									:	
-TURBINE, GENERATOR & OTHERS	1813.85	216.97	2030, 83	0,00	0.00	175, 43	28.81	482.84	0.00	956.01	155.76	199, 57	32, 40	
-MAIN TRANSFORMER	131.96	14.36	146.32	0.00	0.00	00.0	0.00	0.00	0.00	131.96	14, 36	0.00	0,00	
3. TRANSMISSION SYSTEM	533.65	225.57	759.22	0.00	00.00	0.00	0.00	207.98	88.11	325, 67	137.46	0.00	0.00	
. EGAT ADMINISTRATION	0.00	115.06		0.00	0.21	0.00	7.37	0.00	28. 93	0.00	52, 30	0.00	26.24	
3. ENGINEERING SERVICE			-											
-D/D AND TENDER PREPARATION	8.04	3.43	11.47	8.04	3.43	00.0	0.00	00:00	00.0	00.00	0.00	0.0	0.00	
-CONSTRUCTION SUPERVISION	72, 15	30.49	102, 65	0.00	0.00	10.07	4. 28	21.03	8.91	21.95	9.2	19, 10	8.03	
I IMPORT DUTIES & TAXES	0.00	342.90	342, 90	0.00	00.00	0 0	19.85	0.00	108.45	0.00	192, 26	00.00	22, 33	-
TOTAL (W/0 1DC)	2577.62	1140.12	3717.73	2.	0.50	185, 50		724.19	337, 93	1441.22		218.67	89.01	
2 0 1	0.00	553.42	553, 42	0.00	19.88	0.0	29.32	0.00	72.44	0.00	174.03	900	257.72	1
TOTAL PROJECT COST	2577.62	1693. 54	4271. 15	04	38 .03	185, 50		724. 19	410.37	1441. 22	773.54	218.67	346. 73	

		ANNUAL EXPENDITURE (C	ND TURE (C	ASE-4)	:										
	. BAG	BASE COST (1991 PRICE	1991 PRICE									_	UNIT: MIL	MILLION BAHT	:
DESCRIPTION		TOTAL		1992		1993		1984		1995		1996		1997	
	9. O	ე <u>?</u>	MIS.	G.	ن	7 L	ر.	C)	ر. د. د	υ u	د.	ر د د) () ()	F. C	2,1
L. PRELIMINARY WORKS	0.00	155.80	155.80	8	20 00	90	105.80	0.0	0.00	0.00	0.00	0.00	i _•	0,0	
2. ENVIRONMENTAL MITIGATION	0.00	200.00	200.00	0.00	20.00	0.00	40.00	0.00	60.00	0.00	88.88	0.0	20.00	00 0	
3. CIVIL WORKS	1, 506, 70	1, 727, 50 3, 234, 20	3, 234, 20	0.00	00.00	412.84	228.03	653.91	587.35	332.98	725.55	106.98	186.57	0,00	000
4. HYDRAULIC EQUIPMENT	814, 20	545, 00	545, 00 1, 359, 20	0.00	0.00	0.00	00.0	97, 70	76.30	407, 10	348,80	309.40	119.90	0,00	
5. ELECTRO-MECHANICAL EQUIP.				:					-	:	:	1.			
-TURBINE, GENERATOR & OTHERS	3, 331, 50		3,877,50	0.00	0.00	299.84	49.15	0,00	0.00	1, 232, 66	202.06	1, 499, 18	245.75	299.84	49, 15
-MAIN TRANSFORMER	230, 70	25.50	25, 50 256, 20		0.00	0.00	00.0	0.0	000	23.07	2.55	207, 63	22.95	0,00	0.00
6. TRANSMISSION SYSTEM	490.00	210.00	700.00		0.00	00.0	0.00	0.00	0.00	196,00	84.00	294.00	126.00	0,00	0.00
7. EGAT ADMINISTRATION	00.0		290,002		2, 10	0.00	34.07	0.00	44. 26	0.00	108.44	0.00	94, 15	0.00	8. 98
8. ENGINEERING SERVICE	4 4)				•								-		
-D/D AND TENDER PREPARATION	30,00	10.00	40.00	24.00	8 00	00.9	2.00	0.00	0.00	0.0	00.0	0.00	0.00	0,00	0,0
-CONSTRUCTION SUPERVISION	175.00	75.00	250.00	0.00	00.0	26. 25	11.25	52, 50	22, 50	43, 75	18.75	43.75		8. 33	3, 75
9. IMPORT DUTIES & TAXES	0,00	606.02	606.02	0.00	0.00	0.00	34, 18	0.00	11, 14	0,00	232. 41	0.00	294, 12	9 8	34, 18
SUM OF BASE COST	6, 578, 10 4, 390, 92 10, 969, 02	4, 390, 92	10, 969, 02	24.00	80, 10	744.92	504.48	804.11	801.55	2, 235. 56	1, 782, 56	2, 460, 93	1, 128, 18	308, 59	96

	PHYS	PHYSICAL CONTINGENCY	NGENCY				٠				,	Ų.	UNIT: MILL	(ILLION BAHT)	
DESCRIPTION		TOTAL	_	1992		1993	 	1994		1965	-	1996		1997	
	U L	T. C	SUM	J.	1, C	F.C	ر د ر	۳. د	r, c	F.C	r. c	F.C	r. c	F.C	Γ. C
1. PRELIMINARY WORKS	0.00	15.58	15.58	0.00	5.00	0.00	10.58	0; 00	0.00	0.00		0.00	0,00	0.00	0.00
2. ENVIRONMENTAL MITIGATION	0,00	20.00	20.00	0.00	2.00	0.0	4.00	0.00	6.00	0.00	6. 90	0.00	2.00	0.00	0.00
3. CIVIL WORKS	150.67	172, 75	323. 42	0.00	0.00	41.28	22.80	65, 39	58, 74	33, 30	72, 56	10, 70	18, 66	000	00.0
4. HYDRAULIC EQUIPMENT	81.42	<u></u> 25	135, 92	0,00	0.00	00.0	0.00	9,77	7. 63	40.71	34.88	30.94	11.99	0.00	0,00
5. ELECTRO-MECHANICAL EQUIP.						'.					 .				<u> </u>
-TURBINE, GENERATOR & OTHERS	233. 21	38, 23	271. 43	0.00	0.00	20.89	3.44	0,00	000	86. 29	14.14	104.94	17.20	20, 99	3,44
-MAIN TRANSFORMER	16, 15	1. 79	17.93	0.00	0.00	0.00	0.00	0,00	00.0	1.61	0.18	14.53	1.61	0.00	00.00
6. TRANSMISSION SYSTEM	34, 30	14, 70	49.00	0.00	0.00	0.00	0.00	0,00	0.00	13, 72	2 88	20.28	8. 8.	0.00	0,00
7. EGAT ADMINISTRATION	0,0	29.00	29.00	0.00	0.21	0.00	3.00	0.00	4, 43	0.00	8 28	00.00	7.26	0.00	4, 73
8. ENGINEERING SERVICE			<u>: : -</u>		<u></u>		-								
-D/D AND TENDER PREPARATION	3,00	1.00	4.00	2.40	0.80	0.60	0.20	0,00	00.0	0000	000	0.00 0	000	00 o	00.00
-CONSTRUCTION SUPERVISION	17.50	7.50	25.00	0.0	0,00	2.63	٠. ت	5, 25	12.	4.38	1.88	4.38	. 88	0.88	0.38
9. IMPORT DUTIES & TAXES	0.00	45.21	45.21	0.00	0.00	0.00	2.39	9	1.11	0.00	17.66	0.00	21.65	0.00	2.39
SUM OF PHYSICAL CONTINGENCY	536. 24	536. 24 400. 25	936. 49	2,40	8.01	65, 50	47.63	80, 41	80, 15	180.00	162, 45	186.07	91.06	21.86	10,94

ANNUAL EXPENDITURE (CASE-4)

ANNUAL EXPENDITURE (CASE-4)

	PRIC	PRICE CONTINGENCY	SNCY									<u> </u>	UNIT: MILL	ION BAHT)	
DESCRIPTION		TOTAL		1992		1993		1994		1995		1996		1997	
	F. C	ر. د	NIS.	C)	ر ا ا	FC	I. C	F. C	ن	F. C	7.0	ت. د	r. c	P. C	ن. ن
1. PRELIMINARY WORKS	0.00	11.74	11.74	0.0	2, 20	0.00	5.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2. ENVIRONMENTAL MITIGATION	0.0	28, 73	28, 73	0.00	0.88	0.00	3. 61	0.00	% 23	0.00	11.22	0.00	4.77	0.00	0.0
3. CIVIL WORKS	237.24	281.54	518, 78	0.0	0.0	40.87	20.57	99. 26	80. 76	68.86	135,68	28. 24	44, 53	0.00	0.00
4. HYDRAULIC EQUIPMENT	180.70	104.34	285.04	0.00	0.00	0,00	0.00	14.83	10.49	84. 19	65.23	81.68	28.62	0.00	0.0
5. ELECTRO-MECHANICAL EQUIP.			•					,		-			•.		
-TURBINE, GENERATOR & OTHERS	756.47	112.06	868.53	0.00	00.0	28.87	4.31	0.00	0.00	247, 96	36. 75	384.99	57.06	94, 64	13.94
-MAIN TRANSFORMER	57, 96	5. 79	63, 75	0.00	0.00	0.00	0.00	0.00	00.00	4 64	0,46	53.32	5,33	0.00	0.00
6. TRANSMISSION SYSTEM	114.93	44.54	159, 46	0 0	0.00	0.00	00.0	0.00	0.00	39.43	15.28	75, 50	29.26	00 0	0.00
7. EGAT ADMINISTRATION	0.00	54	54, 35	0.00	0.00	00.0	3,03	0.00	6.00	0.00	20.01	0.0	22 01	0.00	3, 10
8. ENGINEERING SERVICE				٠.,				. N.							
-D/D AND TENDER PREPARATION	1.76	0.53	53 53	1.16	0.35	0.59	0.18	0.00	0.00	0.00	0.00	0.00	00.00	0.00	0.00
-CONSTRUCTION SUPERVISION	8.01 10.28	13, 18	47, 19	0.00	0.00	2, 60	1.01	7.97	3,09	9.05	3.51	11.55	4.48	2.34	1,09
9. IMPORT DUTIES & TAXES	0.00	125.25	125, 25	0.00	0.0	00.00	3.00	0.00	1. 53	0.00	42.51	0.00	88. 52	0.00	9,69
SUM OF PRICE CONTINGENCY	1383.05		782. 06 2165, 11	1.16	3.52	72.94	45.27	122.06	110, 21	454, 13	330, 65	635. 28	264. 57	97. 48	27.83

ANNUAL EXPENDITURE (CASE-4)

	BASE COST INCLUDE PHYSICAL CONT	NCLUDE PHY	SICAL CONTI	NGENCIES								•	UNIT: MILI	MILLION BAHT)	
DESCRIPTION		TOTAL		1992		1993		1994		1995		1996		1997	
	F. C	5. C	MOS	٦. د	r. c	F. C	J. C	F. C.	L.C	F. C	۲. C	F.C	r. C	F. C	ر. د
I. PRELIMINARY WORKS	0.00	171, 38	171, 38	0,00	55.00	8	116.38	00.0	0.00	0.00		00,00	0.00	00.00	0.00
2. ENVIRONMENTAL MITIGATION	00.0	220,00	220.00	0.00	22 00	00.00	44,00	0.00	66.00	00 0		0, 00		0.00	0.00
3. CIVIL WORKS	1657, 37	1900.25	3557.62	0.00	0.00	454, 12	250.83	719.30	646.09	366. 28	798.11	117.67	205.23	0.00	000
4. HYDRAULIC EQUIPMENT	895, 62	599, 50	1495, 12	0 8	000	0.0	8	107.47	83.93	447.81		340, 34		0.00	0.00
5. ELECTRO-MECHANICAL EQUIP.			: ;			. T.								.**	
-TURBINE, GENERATOR & OTHERS	3564, 71	584, 33	4149.03	0.00	0 00	320,82	52, 59		0.00	1318.94	216.20	1604, 12		320, 82	52, 59
-MAIN TRANSFORMER	246.85	27. 29	274. 13	0.00	0 0	8.8	9.0		00.0	24. 68	2, 73	222. 16		00.00	0.00
6. TRANSMISSION SYSTEM	524.30	224. 70	749.00	99	00.0	0.0	0.00	00.00	0.0	209. 72	89.88	314, 58	134.82	00.00	0.0
7. EGAT ADMINISTRATION	0.00	319,00	319, 00	0.00	2.31	00.0	37.16		48.68	0.00	117.72	0.00		00.00	11.71
8. ENGINEERING SERVICE					-		:								
-D/D AND TENDER PREPARATION	33.00	11.00	44.00		80			00.00	0 0	00 0	000	0,00			0.00
-CONSTRUCTION SUPERVISION	192, 50	82.50	275.00	0.00	00 0	28.88	12.38	57.75	24. 75	48.13	20.63	48, 13	20.63	6.63	4.13
9. IMPORT DUTIES & TAXES	0.00	651, 23	651.23		0.0			0.00	12, 25	0.00	250.07	0,00			36.57
		:.													
TOTAL	7114.34	7114.34 4791.17 11905.52	11905, 52	26. 40	88.11	810.42	552, 11	884.52	881. 70	2415.56	1945.01	2647,00	1219.24	330, 45	105.00
							-				1				
ECONOMIC COST	7114.34	7114.34 4139.94 11254.29	11254, 29	26.40	88. 11	810.42	515.54	884, 52	869. 45	2415.56	1694. 94	2647,00	903.47	330.45	68.43

	: : :	ANNITAL EXPENDITIBE (CAS)	WITHRE (C.	SF-4)						.:				5	i, '
TOTAL PROJ	TOTAL PROJECT COST (BASE COST INCLUDE PHYS	BASE COST	INCLUDE PH	SICAL & PR	ICE CONTIN	(SENCIES)						Ξ	UNIT: MILL	TON BAHT)	
DESCRIPTION		TOTAL		1992		1993		1994		1995		1996		1997	
	F. C	J T	SUM	F, C	υ U	r C	J	F.C		F.C	J 7	F. C	7.0	F. C	ر د د
1. PRELIMINARY WORKS	0.00	183, 12	183.12	0.00	57.20	00.0	125.92	0.00	00.0	00.0	0.00	0, 00		00.0	0,00
2. ENVIRONMENTAL MITIGATION	0.00	248, 73	248.73	0.00	22.88	0.00	47.61	0.00		00 0	77. 22	0.00	26. 77	0.8	o 80
3. CIVIL WORKS	1894.61	2181, 79	4076, 40	00.00	00	484. 99	271, 40	818.56		435, 14	933. 78	145.91		00.0	0,00
4. HYDRAULIC EQUIPMENT	1076.32	703,84	1780.16	0.00	0.0	0.00	0.00	122, 31	94. 42	532, 00	448.91	422.02		0.00	00
5. ELECTRO-MECHANICAL EQUIP.		1 11		· ·					- j 		_				-
-TURRINE, GENERATOR & OTHERS	4321. 17	686, 39	5017.58	0.00		349.70	56.90	0.00	0.00	1566.90	252.96	1989, 11	320, 01	415.47	66, 53
-MAIN TRANSFORMER	304.81	33, 08	337.89	00.00		0.00	0.00	0.00	0.00	29.33	3 10	275.48	29.89	0.00	00.0
6. TRANSMISSION SYSTEM	639, 23	269, 24	908.46	0.00	0 0	0.00	00.0	0.00	0.00	249, 15	105.16	390, 08	164.08	0.0	00.00
7. EGAT ADMINISTRATION	0.00	373, 35	373.35	0.00	2.40	0.00	40.21	00.0	54, 77	0 0	137.73	0.00	123, 42	0.00	14.82
8. ENGINEERING SERVICE						7. . 5 ⁸									
-D/D AND TENDER PREPARATION	37 Kg	11.53	46. 29	27.56		7. 19		0.00	00.0	0.00	0.00	0.0	0.00	0.00	00.00
-CONSTRUCTION SUPERVISION	226.51	95.68	322, 19	0.00	00 0	31.47	13.39	65, 72	27.84	57 17	24.13	59.68	55.10	12,46	5.22
9. IMPORT DUTIES & TAXES	0.00	776, 48	776, 48	9.0		0.0		0.00	13.78	0.00	292. 58	0,00	384. 28	0.00	46.27
				į								4000		i i	
TOTAL (W/O IDC)	8497, 39		14070.63	27.56		883.36		1006, 59	881.81	2869. 68	2275. 66	3282, 27	1483.81	427.93	
) a I	0.00	2603, 20	2603. 20	0.00	67. 15	0.00	115.91	00.0	227.66	0.00	451.04	0.00	775.90	0.00	965, 54
TOTAL PROJECT COST	8497.39	8176.43	16673.83	27. 56		883, 36	713.30	1006, 59	1219.57	2869, 68	2726.70	3282, 27	2259. 71	427.93	

Stage)
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TIVE-1
(AL TERNAT
EXPENDITURE
ANNUAL

		2 2000	THE POST OF THE PO	į,	וועודות די ופן מותפני	, à							4	. 631.0	
	BAS	BASE CUSI (1991 PRICE	TAN LANGE	_	:					-		_	UNIT: MILL	IUN BAHI	
DESCRIPTION		TOTAL		1992		1993		1994	-	1995	 	1996		1997	
	ن د.	1, 0	SUM	F.	ر د د	٦, C	J. C	F. C	ر د د	۳. ت	ز.	ب ب	J. C	F.C	ر. د
1. PRELIMINARY WORKS	0.00	128.81	128.81	0.00	20.00	0:00	78.81	0.00	0.00	0, 00	0.00	0.00	0.00	0.00	0.00
2. ENVIRONMENTAL MITIGATION	0.00	125,00	125.00	0.00	12, 50	0.0	25.00	00 0	37, 50	0.00	37, 50	00.00	12, 50	0.00	0.00
3. CIVIL WORKS	1234. 52	1341.66	2, 576, 18	0.00	0.00	338. 26	177.09	535. 79	456, 16	272, 83	563, 50	87.64	144.91	00 0	0,00
4. HYDRAULIC EQUIPMENT	446, 10	317.52	757. 62	0.00	0.00	0.00	00	52.81	44.46	220,05	203, 22	167, 24	69, 84	0.00	0,00
5. ELECTRO-MECHANICAL EQUIP.					·			•				•	-		
-TURBINE, GENERATOR & OTHERS	1,847.05	300, 15	2, 147, 20	00.00	0.00	166.23	27.01	0.00	0.00	683, 41	111.05	831, 17	135.07	166.24	27.02
-MAIN TRANSFORMER	115.35	12.75	12.75 128.10	0:00	0.00	0.00	0 0	0.00	0,00	11,54	1.28	103, 81	11.47	0, 00	0.00
6. TRANSMISSION SYSTEM	126.00	54.00	180.00	0.00	00.0	0.00	0.00	0.00	0,00	50, 40	21.60	75.60	32, 40	0,00	0,00
7. EGAT ADMINISTRATION	0.00	181. 29	181. 29	0.00	1.88	0,00	24, 37	0.00	33, 80	0,00	65, 29	00.00	50, 15	0.00	
8. ENGINEERING SERVICE							,								
-D/D AND TENDER PREPARATION	30.00	10.00	40.00	24.00	8.00	6.00	2.00	0.00	0,00	0,00	00.00	0.00	0.00	0.00	0.00
-CONSTRUCTION SUPERVISION	98.90	42, 39	141. 29	0.00	0.00	14.84	6.36	29. 67	12.72	24, 73	10.60	24. 73	10.60	4.95	2, 12
9. IMPORT DUTIES & TAXES	0.00	301, 43	301.43	0.00	0.00	0.00	18.95	0.00	6,02	0.00	115, 33	0, 00	142, 18	0.0	18.95
SUM OF BASE COST	3, 891, 92	3,891,92 2,814,99 6,706,91	6, 706, 91	24.00	72.38	525, 33	359, 59	618.27	590.66	1, 262, 96	1, 129, 37	1, 290, 19	609.12	171. 19	53.89

ANNUAL EXPENDITURE (ALTERNATIVE-1, 1st Stage)

	NV.	ANNUAL EXPENDITURE (ALTH	DITURE (AL	TEKNALIVE	1, 181 5138	(Q)									
	PHYS	PHYSICAL CONTINGENCY	NGENCY		.								UNIT: MILL	IUN BAHI	
DESCRIPTION		TOTAL		1992		1993		1994		1995		1996		1997	
	2 4	ت	N. 12.	F. C.	C C	C C	ن	D.) T	J. C	ر د د	ت .	ر د د	٤. C	۲, د
1 PRELIMINARY WIRKS	0 0	12.88	12.88	8	5.00	0.00	7.88	0.00	0.00	0.0	0,00	0.00	0.00	0.00	0.00
2 ENVIRONMENTAL MITTERATION	00.00	12.50	12,50	000	1. 25	0.00	2.50	0.00	3. 75	0.00		0,00	1.23	00 °C	0,00
S CIVIL WORKS	123, 45	134 17	257, 62	0.0	0,0	33.83	17.71	53.58	45.62	27. 28	56.35	8, 76	14, 49	0,00	0.0
4. HYDRAULIC EQUIPMENT	44 01	31.75	75.76	0.00	0.00	0.00	0.00	5.28	4.45	22, 01		16.72	93 93	0,00	0,00
5. ELECTRO-MECHANICAL EQUIP.							. Leve	·.		÷. '	<u>:</u>			:	
-TUPBINE GENERATOR & OTHERS	129.29	21.01	150.30	00.00		11.64		00.0	0.00	47.84	7.77	58. 18	9. 53.	11.64	
-MAIN TRANSFORMER	80.07	08	9, 97	00.00		00 0		0.00	00.0	0.81	0.09	7. 27	0.80	0.00	
S TRANSMISSION CYSTRIA	8 82	3 78	12.60	0.00		0.00		00.0	0.00	: :3	1.51	5.29	2.27	00,00	
7. EGAT. ADMINISTRATION	00.0	18.13	18 13	0.00	0.0	8	2.26	0.0	3.38	0.00	5.74	0.00	ж 8	000	23
8. ENGINEERING SERVICE			-									- ;			
-D/D AND TENDER PREPARATION	3.00	1.00	4.00		0.80	0, 60	0.20	0.00		0.00		0.00		a. 00	
-CONSTRUCTION SUPERVISION	68 68	4.24	14.13	00.0	0.00	1.48	0.64	2.97	1.27	2.47	1.08	2.47		0.49	0.21
9. IMPORT DUTIES & TAXES	00.00	22.61	22.61		0.00	0.00	1.33	00.00		0.00		0.0		6.0	
											3	i c	ę E	Ş	q
SUM OF PHYSICAL CONTINGENCY		326.54 262.95	289.49	2.40	7. 24	47.55	34.4]	61.83	28. O.J	103.94	105.42	38.10	20. 30.	12. 10	9

ANNUAL EXPENDITURE (ALTERNATIVE-1, 1st Stage)
PRIOR CONTINCENCY

	7100	DOICE CONTINCENCY	NOV VALUE	HERMANINE L' 131 GIAGE,	7, 1010	921						*	INTT: MILLION	TON BAHT)	
DESCRIPTION	Alm	TOTAL	-	1992		1993		1994		1995		1996		1 1	
	ر د د	J. C	SEK	F. C.		F. C	3 3	i.	ردا	5. C	1, C	P. C	ں نہ	U U	1. C
1. PRELIMINARY WORKS	0.00	9.31	9.31	0.00	2.20	0,00	7.11	0.08	0.00	0.00	0.00	8	0.00	0.00	0.00
2. ENVIRONMENTAL MITIGATION	00 0	17.96	17, 96	0.00	0.55	0,0	2.28	0.00	5.16	0.00	7.01	0.00	2.98	0,00	0.00
3. CIVIL WORKS	194.38	218.66	413.04	00.00	000	33.49	15.97	81.33	62. 72	56.42	105.37	23.14	34, 59	0.0	0.00
4. HYDRAULIC EQUIPMENT	97.67	60. 79	158.46	000	0.00	00.00	0.00	8.02	6.11	45.51	38.00	44.15	16.67	0.00	0.00
5. ELECTRO-MECHANICAL EQUIP.														٠.	
-TURBINE, GENERATOR & OTHERS	419.40	61.58	480.99	00.00	00.00	16.01	2.37	0.00	00.00	137.47	20 20	213.44	31, 36	52, 47	1.66
-MAIN TRANSFORMER	28.98	2 3	31, 88	00 0	0.00	00.0	0.00	0.00	0.00	2.32	0.23	26. 66	2.66	00	0.00
6. TRANSMISSION SYSTEM	29.55	11. 45	41.00	0 00	0.0	0.00	0.00	0.00	000	10.14	3.93	19.41	7.52	00.0	0.00
7. EGAT ADMINISTRATION	00.00	32.96	32, 96	0 0	0.08	0.00	2.18	0.00	4.65	00.00	12.07	0.00	11.74	0,00	2.23
8. ENGINEERING SERVICE			•											٠	
-D/D AND TENDER PREPARATION	1.76	0.53	2, 29	1.16	0.35	0.59	0.18	0.00	000	0.0 0.0	0.00	0.00	0.00	80.0	
-CONSTRUCTION SUPERVISION	19, 22	7,45	26.67	0.00	0.00	I. 47	0.57	4.50	1.75	5.11		6.53	2.53	1.60	0.62
9. IMPORT DUTIES & TAXES	0.00	62.11	62, 11	0.00	0.00	0.00	1.66	00.00	0.83	0.00	21. 11	0.00	33.14	0.00	
SUM OF PRICE CONTINGENCY	790.96	790.96 485.70 1276.66	1276.66	1. 16	.3 18	51.56	32.31	93.85	81. 22	256.98	209, 91	333.33	143.20	54. 08	15.88

ANNUAL EXPENDITURE (ALTERNATIVE-1, 1st Stage)

	BASE COST INCLUDE PHYSICAL CONTIN	ACLUDE PHYS	ICAL CONTI	NGENCIES			. •			 			UNIT: MILL	ION BAHT)	
DESCRIPTION		TOTAL		1992		1993		1994		1995	-	1996		1997	
	ري يوا	3.7	SUM	P. C	ر د	U L	٦, د	P. C	ပ - i	U.	r. c	7. C	1.0	F. C	L. C
I. PRELIMINARY WORKS	0.00	141, 69	141, 69	00.00	55.00	0.00	86. 59	0.0	0.00	0.00	0.00	0.00	0.00	00.00	0.00
2. ENVIRONMENTAL MITIGATION	0.00	137, 50	137, 50	00.0	13.75	00.0	27.50	0,00	41, 25	00 0	41.25	0.00	13, 75	00.00	000
3. CIVIL WORKS	1357.97	1475.83	2833, 80	00 0	000	372, 09	194.80	589.37	501.78	300, 11	619.85	96.40	159, 40	000	0.00
4. HYDRAULIC EQUIPMENT	484.11	349.27	833, 38	0.00	0.00	0.00	0.00	58,08	48,91	242, 06	223, 54	183.96	76.82	0,00	8
5. ELECTRO-MECHANICAL EQUIP.															
-TURBINE, GENERATOR & OTHERS	1976.34	321. 16	2297. 50	00.0		177.87		0.00	900	731, 25	118.82	889, 35	144. 52	177, 88	
-MAIN TRANSFORMER	123, 42	13.64	137.07	0.00		00:00		0,00	8	12, 35	1.37	111.08	12, 27	8	
6. TRANSMISSION SYSTEM	134.82	57.78	192, 60	0.00	0.00	00.00		0.00	0.00	53.93	23.11	80.89	34, 67	00.00	0.00
7. EGAT ADMINISTRATION	8.8	199. 42	199, 42	0.00		0.00	26. 6 <u>4</u>	0.00	37.18	0.00	71.03	o. 90.	54, 09	0.00	8.41
8. ENGINEERING SERVICE															
-D/D AND TENDER PREPARATION	33.00	11.00	44.00	26.40	8 8	6,60	5.30	0.00 0.00	0.0	0.00	0,00	8	0.00	0.00	0 0
-CONSTRUCTION SUPERVISION	108.79	46, 62	155. 42	0,00	0.0	16, 32	66 90	32, 64	13.99	27. 20	11.66	27.20		5.44	33
8. IMPORT DUTIES & TAXES	0.00	324.03	324.03	9	0,00	0.00	20.28	0.0	6.62	00.0	124, 15	0.00		0.00	20. 28
	4918 46	4918 46 3077 95	7296 41	26.40	19 62	572, 87	394.00	680.10	649.72	1366.89	1234, 79	1388.89	629.89	183.32	20
20101	27.07.0														
ECONOMIC COST	4218.46	4218.46 2753.91 6972.37	6972. 37	26.40	79.61	572, 87	373.72	680.10	643.10	1366.89	1110, 63	1388.89	507. 19	183, 32	39.56

		ANNUAL EXPENDITURE (ALTE	VDITURE (A	RNATI	Æ-1, 1st Stage,	ge)									
- 1	JECT COST (TUTAL PROJECT COST (BASE COST INCLUDE PHYS)	NCLUDE PH	3	ICE CONTI	NGENCIES)							UNIT: MILLION		
UESCKIPTIUN		TUTAL		1992		1993		1994		1995		1996		1997	
	F. C	L. C	SUM	ပ မ	J.1	ρ. Ο	ن	ت ن	ပ	ن	3.3	د . د	23	F.C	ر. ن
I. PRELIMINARY WORKS	0.00	151.00	151.00	0.0	57.20	0.00	93, 80	0.00	0.00	0.00	نـ ا	0.00	0.00	0.00	0,00
2. ENVIRONMENTAL MITIGATION	0.00	155, 46	155.46	0,00	14.30	00	29. 76	00 0	46.41	00.0	48, 26	00.0		0.00	0,00
3. CIVIL WORKS	1552, 35	1694, 49	3246 84	00.0	00.0	405, 57	210.77	670.70	564.50	356, 53	725. 22	119.54	193, 99	0.00	00
4. HYDRAULIC EQUIPMENT	581, 78	410.06	991 84	0.00	0000	900	00.00	66, 11	55.02	287.58	261, 54	228. 12		0.00	0.00
5. ELECTRO-NECHANICAL EQUIP.			:												
TURBINE, GENERATOR & OTHERS	2395.74	382, 75	2778.50	0.0	0,00	193, 87	31. 27	9.0	0.00	868.72	139.02	1102, 80	175.89	230.35	36, 57
-MAIN TRANSFORMER	152, 40	16, 54	168.94	0.00	0.00	00.00	0.00	0.00	0.00	14, 67	1.60	137, 74	14, 94	0.00	0.00
6. TRANSHISSION SYSTEM	164. 37	69, 23	233.60	0.00	0.00	0.00	00	00	00	64.07	27.04	100.31	42, 19	0.00	0,00
7. EGAT ADMINISTRATION	0.00	232, 37	232, 37	00'00	2. 35	0.00	28.82	0.00	41.83	00.0	83.10	00.0	65.83	00.00	10.64
8. ENGINEERING SERVICE							} }	3	}	;	5) }	3	•	,
-D/D AND TENDER PREPARATION	34. 76	11.53	46.29	27, 56	9, 15	7. 19	23	00.0	00.0	0.00	0,00	00.00	0.0	0.00	0,00
-CONSTRUCTION SUPERVISION	128.01	54.08	182 08	0.00	ن 00 ن	17:79	7.57	37 14	15.74	32, 31	13.64	33, 73	14, 19	7.04	2.95
9. IMPORT DUTIES & TAXES	0 0	386, 14	386, 14	0.00	0.00	0.00	21.94	0.00	7.45	0.00	145.26	00:00	185.84	0.00	25.65
66.6	0 0 0 1	5000		. :											
I U I A.L (N/U 1UC)	5009, 42		8573.07	27.56	% %	624. 43	426.30	773.95	730.94	1623.87	1444, 70	1722. 22	803.09	237, 39	75.82
3	8 6		1646.22	0.30		0,00		00 0		0.00		0.00		0.00	585, 18
TOTAL PROJECT COST	5009. 42	5209, 87	5209, 87 10219, 29	27, 56		624, 43	502. 44	773, 95		1623.87		1722, 22	1287, 49	237, 39	661.00

	AA.	ANNITAL EXPENDITE	/ EditTink	AI TERNATIVE-1 2nd	-1. 2nd St	Stage)							4		
	BASE	BASE COST (1991			•	,		· 1	.)	UNIT: MILLION BAHT	ION BAHT)	
DESCRIPTION		TOTAL		ist year		2nd year	ar	3rd year	1.1	4th year	ar	5th ye	year	6th year	H
	24	1. د	MOS	F. C	ပ	P. C	1 . C	FC	T. C	F. C	ר. כ	ۍ. د	J. C	F.C	ı.
1. PRELIMINARY WORKS	0.0	45.03	45.03	0.00	45.03	0.00	00.0	0.00	00:00	0.00	0.00	0.00	0.00	0.00	
2. ENVIRONMENTAL MITIGATION	0.00	95.00	95.00	0.00	9.50	0 0	19 00	0.00	28, 50	0.00	28.50	0.00	9, 50	0, 00	
3. CIVIL WORKS	384. 69	515.87	900, 56	00 00	0.00	105.41	68, 10	166.95	175, 39	85.02	216.67	27.31	55.71	0.00	
4. HYDRAULIC EQUIPMENT	383.44	258, 10	641.54	00.00	0.00	00.0	0.00	46, 02	36. 14	191.72	165.19	145.70	56.77	00.00	
5. ELECTRO-MECHANICAL EQUIP.									- 		1 ,			2	
-TURBINE, GENERATOR & OTHERS	1711.03	284, 07	1, 995, 10	0.00	00.0	153, 99	22.23	0.00	0.00	633, 08	105.11	769.97		153, 99	
-MAIN TRANSFORMER	115, 35	12, 75	128.10	0.0	8	0.00	0.00	0.00	0.0	11.54		103.81		0.00	
6. TRANSMISSION SYSTEM	427.00	183.00	0 910.00	0.00	0.00	0.00	0.0	0.00	0.00	170.80	73.20	256.20	109.80	0.00	
7. EGAT ADMINISTRATION	0.00	132, 46	132.46	0.00	1.64	0.00	11.16	0.00	13, 59	0.00		0.00		0, 00	
8. ENGINEERING SERVICE			7.				3		-			1.			
-D/D AND TENDER PREPARATION	30.00	10.00	40.00	24.00		9	2 00	0.00	0.0	0.00	00 0	0.00		0,00	٠.
-CONSTRUCTION SUPERVISION	64, 72	27.74	92.46	0.00	0.00	9. 7.1	4.16	19.42	8.32	16.18	6.93	16.18		3.24	
9. IMPORT DUTIES & TAXES	000	345. 26	345. 26	0.00		0 0	17.55	.0. 00.		0.00	132.68	0.00	172. 23	0,00	-
SUM OF BASE COST	3, 116, 23 1, 909, 28 5, 025.	1,909,28	5, 025, 51	24.00	64, 17	275. 11	147.54	232. 39	267. 19	1, 108, 34	780 03	1,319,17	600.47	157. 23	7

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	•	ANNUAL EXPENDITURE	ټ	ALTERNATIVE-1, 2nd Stare	-1, 2nd St	ike)									
	PHYS	PHYSICAL CONTINGENCY	į) >	UNIT: MILLION	ION BAHT	
DESCRIPTION		TOTAL		Ist year	31	2nd year	ar	3rd year	ar	4th ye	year	5th year	LT.	6th ye	year
	J .	. C	SUK	F.C	J. C	F, C	L, C	P. C	r. c	F. C	ر. د	F. C	ر. د	F. C	ر. د
1. PRELIMINARY WORKS	0.0	4.50	4.50	0.00	4.50	0.00		00.00	0.00	0.00	0.00	0.00		0.00	0.0
2. ENVIRONMENTAL MITTIGATION	0.00	60 60	9.50	0.00	0, 95	0.00		0.00	2, 85	0 8	2, 85	0.00		0.0	Ö
3. CIVIL WORKS	38.47	51.59	90.06	0.00	0.00	10.54	6.81	16.70	17, 54	8.50	21.67	2, 73	5.57	0.0	9.0
4. HYDRAULIC EQUIPMENT	38.34	25.81	64.15	0.00	0.00	0.00		4.60	3,61	19. 17	16.52	14. 57		0.00	0.0
5. ELECTRO-MECHANICAL EQUIP.		. **	-					3°							
-TURBINE, GENERATOR & OTHERS	119, 77	19.88	139, 66	0.00	0.00	10. 78	1.79	0.00	0,00	44.32	7, 36	53, 90	8.95	10, 78	7
-MAIN TRANSFORMER	8.07	0.80	8.97	00.00	0.00	0.00	0.00	0.00	0.00	0.81	0.09	7, 27	0.80	0.0	0,0
6 TRANSMISSION SYSTEM	29, 89	12.81	42.70	0.00	00:00	0.00	0.00	0.00	0.00	11.96	5, 12	17, 93	7. 69	0.00	0.0
7. EGAT ADMINISTRATION	8	13.25	13.25	0.00	0.16	0.00	0.92	0.00	1.36	0.00	4, 15	0.00	3.78	00.00	જે.
8. ENGINEERING SERVICE					<u>. 4 1 2</u>			-							
-D/D AND TENDER PREPARATION	3.00	1.00	4.00	2.40		0. 60		0.00		00.00		9,0	000	හි ජ	0.0
-CONSTRUCTION SUPERVISION	6.47	2.77	9, 25	00.00	0.0	0.97	0.42	1.94		1.62	0.69	1.62	0.69	0.32	-i -0
9. IMPORT DUTIES & TAXES	0.00	25.48	25.48	0.00		0.00		0.00	0.52	0.00	96.00	0, 00	12. 55	00:00	1.2
SUM OF PHYSICAL CONTINGENCY	244.02	244.02 167.49 411.5	411.51	2.40	6.42	22, 89	13, 30	23.24	26. 72	86.37	68.39	98.02	46.66	11. 10	5.0

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	PRIC	PRICE CONTINUENCY	101											1.17.	
DESCRIPTION		TOTAL		1st year	31	2nd year	J.	3rd year	1	4th year	1.r	5th ye	year	6th year	ar
	7 C	01	¥ns	F.	ن	J 3	U L	C.	J J	ر د	ں ث	r.	7.7	C)	
1. PRELIMINARY WORKS	0.00	1.98	1.98	0.00		0.00	1-:	0.00	0.00	0.00	98	0.0	0.00	0,0	
2. ENVIRONMENTAL MITIGATION	0.00	13, 65	13,65	0.00		0.00		00.0		0.00	5.33	0,00	2.27	0,00	
3. CIVIL WORKS.	60, 57	84.07	144.64	0.00	00	10.44	9.14		24.12	17.58		7,21	13.30	0, 00	9
4. HYDRAULIC BOUITMENT	85, 10	49.41	134, 51	0.00		000		90		39, 65	30.89	38, 46	13, 55	0,00	
5. BLECTRO-MECHANICAL EQUIP.				:		} :		,		:					
-TURBINE, GENERATOR & OTHERS	388. 51	58, 29	446.81	0.00		14.83		00.0	00			197, 73	29.68	48.61	7.2
-MAIN TRANSFORMER	28. 98	2.80	31.88	0.00	00.0	0.00	0.00	0.00	00	2, 32	0.23	26.66	2.66	0.00	0.00
6. TRANSMISSION SYSTEM	100, 15	38.81	138.96	0.00		00.00		000	0.00			65, 79		0,0	Ó
7. EGAT ADMINISTRATION	0,00	26.12	26.12	0.00		00.00		0.00			9. 28	0.00		0,00	23
8. ENGINEERING SERVICE		٠										, 4 12 1			
-D/D AND TENDER PREPARATION	1.76	0.53	2.29	1.16				0.00	00	000	0.00	00.0		0.00	
-CONSTRUCTION SUPERVISION	12.58	4.88	17.45	00.0		0.98	0.38	83	1.14		1.30	4. 27	1.66	1.05	
9. IMPORT DUTIES & TAXES	00.00	71.58	71.58	0.00	00.0		1.54	0.00	0.72	0.00	24. 25	00.00	40, 10	0.00	4.98
SUM OF PRICE CONTINGENCY	677, 65	352, 22	352, 22 1029, 87	1.16	2, 82	26.82	13.19	35. 28	36.74	224.61	144, 23	340.13	140.43	49.66	14.8

	AN	ANNUAL EXPENDITURE (DITURE (4L TERNATI VE	LTERNATIVE-1, 2nd Stage	ige)									
æ	BASE COST INCLUDE PHYSICAL CONT	CLUDE PHYS	ICAL CONT	INGENCIES		;			-)	UNIT: MILLION	ION BAHT)	
DESCRIPTION		TOTAL	-	1st year	ar	2nd year	ž.	3rd year	ar	4th year	3r	5th ye	year	6th year	
	F. C	1. C	TES.	F. C.	ن	F. C	J. C	ر ن	ن	ري دي	ر. د	٦. د	J. C	F. C	ر. د
I. PRELIMINARY WORKS	00.00	49, 53	49, 53	0.00	49, 53	00.0	0.00	80.0		00.0	00.0	0.00	0.00	0.00	0
2. ENVIRONMENTAL MITIGATION	00.0	104, 50	104, 50	0.00	10, 45	0 0	20.90	0.00		0.00		00.0	10, 45	0.0	9
3. CIVIL WORKS	423, 16	567.46	990. 62	0.00	00.0	115.95	74,91	183, 65	192, 93	93, 52	238, 34	30.04	61.28	0.00	000
4. HYDRAULIC EQUIPMENT	421, 78	283, 91	705.69	0.00	0.00	9.8	00.0	50.62		210,89		160.27	62, 45	0.0	0.00
5. ELECTRO-MECHANICAL EQUIP.	•					J.º					<u> </u>		-	-	
-TURBINE, GENERATOR & OTHERS	1830.80	303.95	2134. 76	0.00	0, 00	164, 77	27.35	0.0	0.00	677.40	112.47	823. 87	136, 79	164. 77	27.35
-MAIN TRANSFORMER	123. 42	13.64	137.07	0.00	0.00	0.00	0.00	0.00	0,00	12, 35		111.08	12, 27	0, 00	00.0
6. TRANSMISSION SYSTEM	456.89	195.81	652, 70	0.00	000	00 0	0.00	00.00	00.00	182, 76	78.32	274, 13	117. 49	0.00	00.00
7. EGAT ADMINISTRATION	0.00	145.71	145.71	00:00	1.80	0, 00	12, 12	0.0	14, 95	0.00		0.00	97. 15.	0.00	8, 22
8. ENGINEERING SERVICE			_							:			:		
-D/D AND TENDER PREPARATION	33.00	11.00	44, 00	26. 40	88	9.60	2.20	0.00	0,00	0.00	0 0	0.00	0.00	0.00	00
-CONSTRUCTION SUPERVISION	71.19	30.51	101.71	0.0	00.0	10.68		21.36	, 13 13	17.80	7, 63	17.80	7.63	3 56	:: ::
9. IMPORT DUTIES & TAXES	9.3	370.74	370, 74	0.00	0.00	0.00	18.78	0.00	5, 77	0.00	142.62	0.00	184. 78		18.78
					1					ì		1			1
TOTAL	3360, 25	3360, 25 2076, 77 5437, 02	5837.02	26.40	20.28	298.00	160, 84	255. 63	293, 91	1194, 71	848.42	1417.19	647.14	168, 33	82
ECONOMIC COST	3380, 25	1706.02	5066. 28	26.40	70. 58	298.00	142.05	255. 63	288. 14	1194. 71	705.80	1417. 19	462, 36	168, 33	37.10

ANNUAL EXPENDITURE (ALTERNATIVE-1, 2nd Stage)

I Dad I IVALUE	A CCT CBST (ANNUAL EXPENDITURE (AL	ADITURE (TERNAT	IVE-1, 2nd St	Stage)	٠.			11			NIT: MILL	I'UN BAHT	
DESCRIPTION	1000	TOTAL		Ist	2.	2nd year	a.	3rd year	12	4th year	8.5	5th year	11	6th year	<u> </u>
	F. C	J. J.	SUM	F, C	i.c	F. C	ر. د	C C	۲. د	7 C	J. C	F. C	L. C.	F. C	۲. د
1. PRELIWINARY WORKS	0.00	51.51	51. 51	0.00	51.51	0.00	0.00	0.00		0.00	0.00	00.00	0.00	0.00	00.0
2. ENVIRONMENTAL MITIGATION	0.0	118.15	118.15	0.00	10.87	0,00	22. 61	0.00	35 27	0.00	36.68	0.00	12. 72	0.00	0.00
3. CIVIL WORKS	483, 73	651.53	1135.26	00.0	00.0	126, 39	81: 05	208.99	217,05	111, 10	278.85	37, 25	74.58	0.00	000
4. HYDRAULIC EQUIPMENT	506.88	333, 32	840.20	00 0	00.0	0.00	0.00	57, 61	44 72	250, 54	212.60	198.73	76 00	0.00	00.0
5. ELECTRO-MECHANICAL EQUIP.			- <u>:</u> 2,			- 13		1			- ,			:.	
-TURBINE, GENERATOR & OTHERS	2219, 32	362, 25	2581.56	0.00	0,00	179.60	29. 59	80	0.00	804, 75	131, 59	1021.60	166.47	213.38	34.60
-WAIN TRANSFORMER	152, 40	16.54	168, 94	0.00	0.0	0.00	0.00	0 0	0.00	14. 67	1.60	137.74	14.94	0.00	000
6. TRANSMISSION SYSTEM	557,04	234.62	791.66	0.00	00.0	0.00	0.00	00.0	0.00	217, 11	91.64	339.93	142, 98	0.00	000
7. EGAT ADMINISTRATION	000	171.82	171.82	0.00	1.87	0.00	13, 11	0.00	16.82	0,00	63.90	0.00	65. 72	0.00	10.40
8. ENGINEERING SERVICE			-						14:	:.	-		- 		
-D/D AND TENDER PREPARATION	34, 76	11.53	46.29	27, 56		7.19		0.00	0.00	0,00	0.00	0.00	000	0.00	0,00
-CONSTRUCTION SUPERVISION	83, 77	35.39	119, 16	0.00	0.00	11.64	4.95	24.31	10.30	21. 14	8.92	22.07	9. 28	4.61	33
9. IMPORT DUTIES & TAXES	0,00	442, 32	442.32	00.00		0.00		00.0	6 40	0.00	166.87	0.00	224. 88	000	23.78
Ver 0/25/) 1 # 0 #	00.000	100	0000	Ę		00				00 011		5		20	0
1 G 1 W 1 T M 1 T M 1	4037, 90	2428. 33	900.03	20° 13	73.44	324. 82		250. 50		1419, 32	288.00	16.7611		27:32	80 'A'
7 6 7	0.0	1145.89	1145.89	00.00	33, 20	0.00	51, 66	0.00	87,99	0,00 00,00	182, 14	u. 00	344.94	0.00	445.96
TOTAL PROJECT COST	4037, 90	3574.88	7612, 78	27.56	106, 61	324.82		290, 90		1419, 32	1174. 79	1757.31	1132, 51	217.99	516.65

ANNUAL EXPENDITURE (ALTERNATIVE-2)

	9.4S	BASE COST (1991 PRICE	1991 PRICE	· · · · · · · · · · · · · · · · · · ·									UNIT: MILL	MILLION BAHT)	
DESCRIPTION		TOTAL		1992		1993		1994		1995	-	1996		1997	
	F. C	ر ز	Š	C)	ا. ر	7. C.	ر.	F. C.	2.1	F. C	1.0	F. C	 C.	O.	ر ت
1. PRELIMINARY WORKS	00.00	123. 31	123, 31	0.00	20.00	0.0	73.31	0.00	0.00	0.00	0.00	0, 00	L_1	0.00	0.00
2. ENVIRONMENTAL MITIGATION	0.00	120.00	120,00	0.00	12.00	0.00	24.00	0.00	36.00	9.8	36.00	0.00	12,00	90.	0.00
3. CIVIL WORKS	1, 114, 49	1, 114, 49 1, 351, 80 2, 466, 29	2, 466, 29	00 0	0.00	305.37	178.44	483, 69	459.61	246.30	567.76	79, 13	145.99	0,00	0.00
4. HYDRAULIC EQUIPMENT	364, 45	284, 71	649, 16	0.00	00.0	00.00	0.00	43, 74	39, 86	182.23	182. 22	138, 48	62, 63	0.00	0,00
5. ELECTRO-MECHANICAL EQUIP.					-				· ·						
-TURBINE, GENERATOR & OTHERS	1, 829, 21	289, 59	289.59 2.118.87	00 0	0.0	164.62	26.06	0.00	0.00	676 81	105.67	823.14		164.64	27 54
-MAIN TRANSFORMER	115.35	12, 75	128, 10	800	00.00	0.00	0.00	0.00	0.0	11.54	1.28	103.81	11.47	0,00	0.00
6. TRANSMISSION SYSTEM	112, 00	48.00	160.00		0.00	0.0	0.00	0.00	0,0	44.80	19.20	67.20		0.00	0.00
7. EGAT ADMINISTRATION	00.00	172.97	172.97		1.86	0.00	23, 15	0.00	31.89	0.00	62. 21	00.00		00.00	5.77
8. ENGINEERING SERVICE															
-D/D AND TENDER PREPARATION	30.00	10.00	40.00		8.00	6.00		0,00	0.00	0.0	0.00	0.00	0,00	0.00	0.00
-CONSTRUCTION SUPERVISION	93, 08	39, 89	132, 97	0.00	0.00	13.96	5, 98	27. 92	11.97	23. 27	9.97	23. 27	9, 97	4.65	1.99
9. IMPORT DUTIES & TAXES	0.00	287.71	287. 71	0.00	0.0	00.00		0.00	4.99	0.00	109.04	00,00	136, 15	0.00	18.77
SUM OF BASE COST	3, 658, 58	3, 658, 58 2, 740, 74 6, 399, 39	6, 399, 39	24.00	71.86	489.95	351.71	555, 35	584. 31	1, 184, 95	1, 184, 95 1, 093, 36	1, 235, 03	585, 42	169.29	54.07

	A.	ANNUAL EXPENDITURE (A	DITURE (A	LTERNATIVE-2	2)	. 1									
	PHYS	PHYSICAL CONTINGENCY	NGENCY										UNIT: MILLION	ION BAHT)	
DESCRIPTION		TOTAL		1992		1993		1994		1995		1996		1997	
	٦. د	1 C	SUM	F. C.	J. C	٦ ر	 J.	C C	ر آ۔	٦. د) T	FC	3.3	F. C	1, C
1. PRELIMINARY WORKS	0.00	12.33	12.33		2 00	0.00	7.33	0.00		0.00		0.00		0.00	0.00
2 ENVIRONMENTAL MITIGATION	0.00	12,00	12.00		1.20	0.00	2.40	800		0.00		0.00		00 0	0.00
3. CIVIL WORKS	111.45	135, 18	246.63		0.00	30.54	17.84	48.37		24.63		7.91		0.00	0.00
4. HYDRAULIC EQUIPMENT	36, 45	28. 47	64.92	00.00	0.00	0.00	0.00	4, 37	3.99	18.22	18.22	13, 85	e. 28	0.00	00.0
5. ELECTRO-MECHANICAL BOUIP.															
-TURBINE, GENERATOR & OTHERS	128.04	20, 27	148.32	o	0.00	11.52			0.00	47.38	7.40	57.62		11.52	
-WAIN TRANSFORMER	8.07	0.89	8.97	0.00	00.00	0.00			00.00	0.81	0.09	7.27		00.00	
6. TRANSMISSION SYSTEM	7.84	3,36	11. 20	0.00	0.00	00.00			0.00	3.14	1.34	4. 70		0.00	
7. ECAT ADMINISTRATION	0,00	17.30	17, 30	0	0.19	0.0	2.14	0,0	3, 19	0.00	5.45	0.00	3. 76	0.0	2.57
8. ENGINEERING SERVICE			. :												
-D/D AND TENDER PREPARATION	3.00	1.8	4.00	ં	0.80	0.60	0.20	0.00	0.00			0.00	00.00		000
-CONSTRUCTION SUPERVISION	9.31	3, 99	13, 30	0	00.0	1.40		2.79		2 33	1.00	2, 33	-1	0.47	0.20
9. IMPORT DUTIES & TAXES	00.00	21.39	21.39		0.00	0.00	1.31	0.00	0.50	0.00		0.00		0.00	1.31
SUM OF PHYSICAL CONTINGENCY	304.15		256. 18 560, 34	2, 40	7. 19	44.06	33, 66	55.54	58. 43	96.50	102, 13	93.68	48. 77	11.99	6.01

ANNUAL EXPENDITURE (ALTERNATIVE-Z)

	PRIC	PRICE CONTINGENCY	SNCY								1 .	_	UNIT: MILL	LION BAHT	
DESCRIPTION		TOTAL		1992		1993		1994		1995		1996		1987	
	ر پ	J.1	SUM	۳. د	J. C	F. C	J. C	F. C) i	F. C.	J :1	F. C	7.7	P. C	ι. C
1. PRELIMINARY WORKS	00.0	8.81	8.81	0,00	2.20	0.00	6,61	0,0	0.00	0.00	0.00	0.00	0,00	0.00	0.00
2. ENVIRONMENTAL MITIGATION	0.00	17.24	17.24	00.0	0.53	0.0	2, 16	00.00	4.95	00.0	6. 73	0.00	2.88	0.00	00.00
3. CIVIL WORKS	175, 48	220.31	395, 79	0.0	0.00	30, 23	16.10	73.42	63.20	50.93	106.17	20.89	34.85	0.00	0.00
4. HYDRAULIC EQUIPMENT	80,88	54.51	135.39	0.00	00.0	0.00	0.00	6.64	5 48	37.89	34.08	36.56	14.95	0.00	00.00
5. ELECTRO-MECHANICAL EQUIP.			-												7 .
-TURBINE, GENERATOR & OTHERS	415,35	59.58	474, 93	0,00	000	15,85		0,00	0.00	136, 15	19.22	211.38	30, 26	51.97	7.31
-WAIN TRANSFORMER	28.98	2.90	31.88	0 8	0,00	0.00	00.0	0,00	0,00	2:35	0.23	26.66	2.68	0.00	0.00
6. TRANSMISSION SYSTEM	26, 27	10.18	36. 45	0.00	0.00	0.00		0,00	00.0	9.01	3,49	17.26	69.	0.0	0.00
7. EGAT ADMINISTRATION	0.00	31.50	31.50	0.00	0, 08	00:00		0.00	4. 88	0.0	11.50	0.00	11.25	0.00	2.21
8. ENGINEERING SERVICE			-				-				٠.				
-D/D AND TENDER PREPARATION	1.76	0.53	2, 29	1.16	6.35	0.59	0. 18	00.00	00.00	0.00	0.00	0.00	0.00	0.00	
-CONSTRUCTION SUPERVISION	18.09	7.01	25.10	0.00	0.00	1.38	0.54	4.24	1, 65	4.81	.i 88	6.14	2, 38	1.51	0, 58
9. IMPORT DUTIES & TAXES	0.00	59, 31	59.31	0.00	0.00	0.00	1.65	0.00	0.69	0.00	19.94	0.00	31.72	0.00	
SUM OF PRICE CONTINGENCY	746, 81	471.88	471.88 1218.68	1.16	3.16	48.06	31. 60	84.30	80.34	240, 91	203, 23	318.89	137.62	53, 48	15.92

ANNUAL EXPENDITURE (ALTERNATIVE-2)

	BASE COST INCLUDE PHYSICAL CONT	NCLUDE PHY	SICAL CONT	INGENCIES			٠.,			.	.		UNIT: MILL	ION BAHT >	
DESCRIPTION		TOTAL		1992		1993		1994		1995		1996		1997	
	F. C	ر. د	SUM	F. C	T. C	F. C	ີ່ ເ	F.C	۱. د د	F. C	١. ٤	F. C	L. C	F, C	ر. د
1. PRELIMINARY WORKS	0,00	135.64	135.64	0.00	55.00	0.00	80.64	0.00	0.00	0.00	0.00	00:00	0.00	0.00	0.00
2. ENVIRONMENTAL MITIGATION	0.00	132,00	132.00	000	13.20	0.0	26.40	0.00	39. 60	0 0		0.00	13, 20	0.0	0.0
3. CIVIL WORKS	1225, 94	1486, 98	2712, 92	0.00	0.0	335, 91	196, 28	532: 06	505.57	270.93	624. 54	87.04	180, 59	9	000
4. HYDRAULIC EQUIPMENT	400.90	313, 18	714.08	0.00	00.0	0.00	0.00	48.11	43.85	200, 45		152. 33	68.89	0.00	000
S. ELECTRO-MECHANICAL EQUIP.		1.			_		- -								- :
-TURBINE, CENERATOR & OTHERS	1957. 25	309.86	2267, 12	.0 00 00	000	176.14	27.88	0,00	000	724. 19	113.07	880, 76		176, 16	29.47
-MAIN TRANSFORMER	123, 42	13.64	137.00	0.00	0.00	0.00	0.00	0.00	0.00	12, 35	1.37	111.08		o 8	00.0
6. TRANSMISSION SYSTEM	119.84	51.36	171.20	00.0	0.0	0.0	0.00	0.00	0,00	47, 94	25. 25.	71.90	30.83 83.83	0 8	0.0
7. EGAT ADMINISTRATION	0.0	190. 27	190.27	0.00	2.05	00.00	25, 30	0.00	35.08	0.00	67.66	0.00		0,0	8. 8.
8. ENGINEERING SERVICE													:		
-D/D AND TENDER PREPARATION	33.00	11:00	44.00	26, 40	8 80	6.60	2.20	0.0	0.00	0.0	0.0	0.00	0.00	0.0	8
-CONSTRUCTION SUPERVISION	102, 39	43.88	146.27	0.00	0.0	15.36	6.58	30, 72	13, 16	25.60	10.97	25. 60	10.97	5.12	2. 39
9. IMPORT DUTIES & TAXES	0.00	309, 10	309, 10	0.00	0.00	0.00	20.08	0.00	5, 48	0.00	117, 30	0.00	146, 15	0.00	20.08
	17 6302	2006 01	6050 AK	26. An	70 05	534 01	385 37	610 89	642 74	1281 45	1195 49	1328 71	634 10	181	80
1 0 1 0 1	0.000		0000		36 -51	2, 1, 2,								2	3
ECONOMIC COST	3962, 74	3962, 74 2687, 82	6650.56	26.40	79.05	534.01	365, 29	610,89	637.26	1281. 45	1078.19	1328.71	488.03	181, 28	40.00

	Ž	ANNUAL EAPENDITUKE (AL	ADITOKE (AL	- EKNALIVE-	~	: : :									
TOTAL PRI	TOTAL PROJECT COST (BASE COST INCLUDE PHYS	BASE COST	INCLUDE PHY	SICAL & PR	ICE CONTIN	(GENCIES)					İ	~	UNIT: MILL	ION BAHT)	
DESCRIPTION		TOTAL		1992		1993		1994		1995		1996		1997	
	F.C	J. C	SUM	C)	ر. ر	F. C	3.1	7. C))]	رے دی	T. C	F.C	J. C	F, C	L. C
1. PRELIMINARY WORKS	0.00	144. 45	144.45	00.00	57 20	0.00	i. •	0.00	00.0	00.00		0.0	0.00	93.0	00
2. ENVIRONMENTAL MITIGATION	00.00	149, 24	149.24	00	13, 73	0.0		0.00		00.00	46.33	0.00	16.06	0.0	0.00
3. CIVIL WORKS	1401. 42	1707. 29	3108, 71	0.00	0.00	366, 14	212, 38	605.48	568, 77	321.86	730. 71	107, 93	195.44	0.00	0.00
4. HYDRAULIC EQUIPMENT	481.78	367.69	849, 47	00.00	00.0	00.0		54, 75		238.14	234, 52	188.89	83.84	0.00	0.00
5. ELECTRO-MECHANICAL EQUIP.						:							•		
-TURBINE, GENERATOR & OTHERS	2372, 61	369, 44	2742.04	0.00	0.00	192.00	30, 17	0.00	0.00	860,33	132, 29	1092, 14	169.70	228.13	37.28
-MAIN TRANSFORMER	152.40	16.54	168.94	0,00	0.00	0.00	0.00	0.00	0.00	14.67	1.60	137,74	14.94	0, 00	0.00
6. TRANSMISSION SYSTEM	146.11	61.54	207.65	0.00	00.0	00.00	00	0.0	000	56.95	24.02	89, 16	37, 50	0.00	00.00
7. EGAT ADMINISTRATION	00.00	221.77	221.77	00.00	2	00.0	27. 37	0.00	39, 46	00.00	79, 16	0,00	63.10	0.00	10.55
8. ENGINEERING SERVICE															
-0/D AND TENDER PREPARATION	34.76	11.53	46, 29	27, 56	9, 15	7.19	2.38	9	0.0	000	0, 00	0,00	000	0.00	0.00
-CONSTRUCTION SUPERVISION	120.48	50.89	171, 37	0,00	00.0	16.74	-1	34, 96	14, 81	30.41	12.84	31, 74	13, 35	6.63	2.78
E. IMPORT DUTIES & TAXES	0.00	368. 41	368.41	0.00	0.00	0.00	21.73	0, 00	6, 17	0.00	137, 24	0,00	177.87	0.00	25.40
\ \Q\ \Q\ \&\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \	7200	0070	0	, c		500	4.			00 0011	2000	00 1101		3L 760	100
()GT 0 /W \ 1 W \ 0 1	4/09.55	3405. 18	81.18. 34	27.30		282. 07		682. 18		1322, 30	1398. 72	1047.00		7.74.10	5
100	0.00	1560.53	1560, 53	0.00	38, 48	00.00	72, 23	0.00	149, 45	0.00	285, 09	0,00	459.22	0.00	556.06
TOTAL PROJECT CAST	4709.55	5029.32	9738, 87	27. 56		582, 07		632, 19		1522, 36	1683, 81	1647, 60		234. 76	632.06