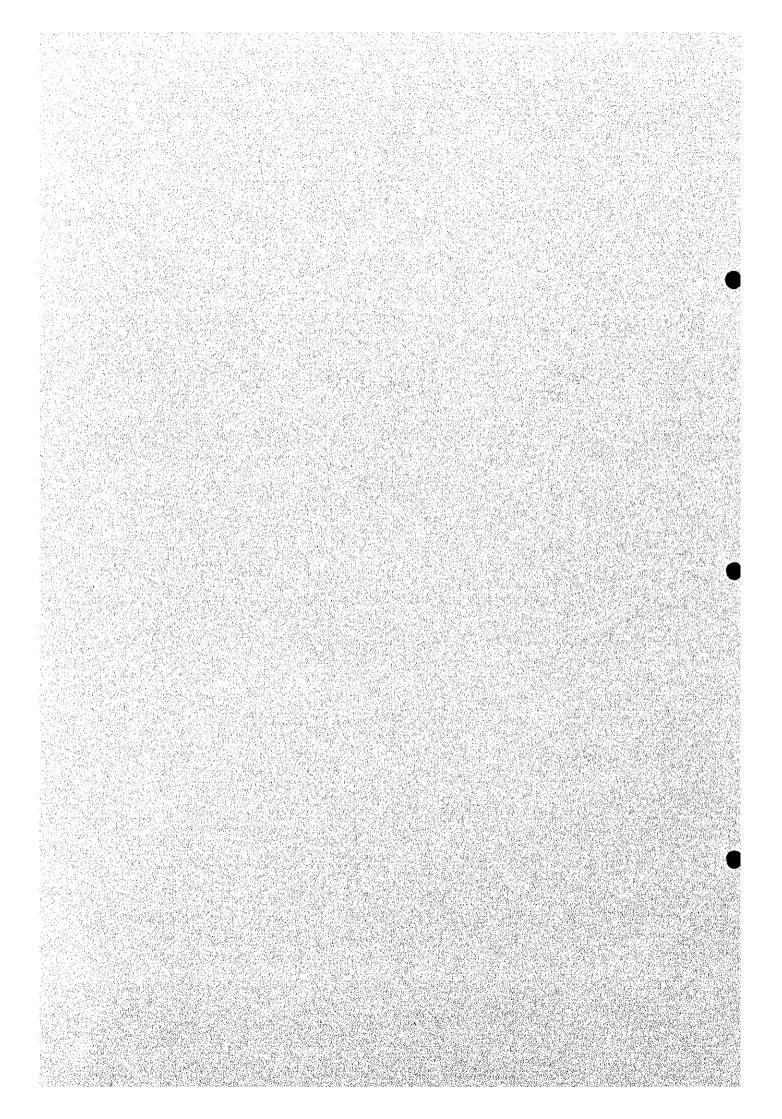
APPENDIX

for

CHAPTER 12



Appendix 12.4-1 Construction Cost for Financial Analysis

	Subt	anemission	Line	Distri	bution Subet	ation	Teles	communica	tion .	Dis	tribution Sys	tem	Total
	Total	Value	Construction	Total	Value	Construction	Total	Value	Construction	Total	Value	Construction	Construction
FY	Construction	Added	Cost	Construction	Added	Cost	Construction	Added	Cost	Construction	Added	Cost	Cost for
1	Cost	• Так	Analysis	Cost	Тах	Analysis	Cost	Tax	Analysis	Cost	Tax	Analysis	Analysis
	· A	<u>B</u>	C-A-B	D	<u> </u>	F=D-E	<u> </u>	н	<u>1=G+H</u>	20.245	K	L=J+K	Ç+F+1+L
996	. 0	0	0	57,248	3,259	53,990	0	473	0776	38 345	2,183	36,162	90,15
997	28,048	-	26,451	125,444	7 142	118,303	2,948	173		104 784	5,969	98,815	246,34
998	23,690	1,347	22,343		5,152	85,316	2,433	143			4,448	73,644	183,59
999	39,904	2,272		102,597	5,838	96,759	2,059	121	1,938	96,827	5,513	91,313	227.64
2000	116,044	6,616			8,692	144,073	3,088	181		182,118	10,375		428,15
2001	13,655	778	12,877	103,299	5,882	97,417	2,948	173	2,775	80,310	4,577	75,734	188,80
2002	0	0	0	0	- 0	. 0	· 0	0	0	0	0	. 0	
003	0	0	0	0	0	• 0	0	. 0	0	0	0	0	÷ .
004	0	0	0	· · · 0	0	0	. 0	0	. 0	0	0	0	
005	0	. 0	0	156,370	8,901	147,469		0	0	104,737	5,962	98,775	
006	330,478	18,839	311,639	234,556	13,352	221,204	6,784	398	6,386	383,004	21,828	361,176	900,40
007	0	. 0	0	0	<u> </u>	0	0	0	0	0	. 0	. 0	
800	0	. 0	0	0	0	0	0	0	0	0	. 0	0	
009	0	0	0	0	0	0	0	0	0	0	0	0	
010		0	0	107,226	6,103	- 101,122	0	. 0	0	71,820	4,088		168,85
011	53,935	3,071	50,864	160,838	9,155	151,683	3,861	227	3,634	146,441	8,340	138,100	344,28
012	0		. 0	0	O	0	0	0	O	0	0	0	1
013	0	0	0	0	. 0	0	0	C	0	0	0	0	· · · ·
014	0	0 ¹¹	0	0	0	0	0	C	0	0	0	0	
015		· 0			5,141			Ċ	-	60,511	3,443	1	142,20
016	82,344	4,695	77,649	135,512	7,710	127,801	3,064	180	2,884	147,972	8,429	139,543	347.8
		- ·							;				
otal	688,097	39,213	648,884	1,516,665	86,327	1,430,338	27,184	1,595	25,589	1,494,960	85,156	1,409,804	<u>3,514,6</u>

Appendix 12.4-2 Calculation of FIRR

Discounit					Cost			. Ber	efit	
ate	No.	·FY	Construction	O&M	Energy Purchase	Total	PV	Energy Sales	PV	NPV
1.7922%	1	1996	90,152	0	1998 - Alexandre State (1997) Alexandre State (1997)	90,152	80,642		0	-80,642
	2	1997	246.344	0	eesting terret	246,344	197,114		0	-197,114
	3	1998	183,593	10,110	149,811	343,514	245,873	182,224	130,428	-115,444
The Second	4	1999	227 643	17,331	311 580	556 554	356,337	376,884	241,303	-115,035
$-10^{10} M_{\odot} M_{\odot}$	5	2000	428,151	24 078	480,371	932,600	534,120	580,228	332,309	-201,811
	6	2001	188,802	38,457	672,390	899,650	460,899	808,025	413,958	-46,940
	7	2002	0	49 544	838,744	888,287	407,075	1,006,645	461,314	54,240
	8	2003	0	49 544	1,000,908	1,050,452	430,611	1,200,263	492,023	61,412
	. 9	2004	0	49,544	1,170,404	1,219,947	447,341	1,402,634	514,330	66,989
an shine An an	10	2005	246,244	49,544	1,343,158	1,638,945	537,589	1,608,895	527,733	-9,857
	11	2006	900,406	49,544	1,518,269	2,468,218	724,200	1,818,283	533,502	-190,697
	12	2007	0	89,824	1,695,955	1,785,779	468,696	2,030,450	532,912	64,210
	13	2008	0	89,824	1,875,911	1,965,735	461,506	2,245,326	527,147	65,64
	14	2009	0	89,824	2,058,138	2,147,960	451,094	2,462,911	517,237	66,14
	15		168,854	89.824	2,242,571	2,501,249	469,879	2,683,136	504,048	34,16
	16		344,281	89 824	2,429,937	2,864,042	481,280	2,906,140	488,354	7,07
	17	2012	0	108,755	2,585,826	2,694,581	405,040	3,092,255	464,817	59,77
	18		0	108,755	2,741,774	2,850,529	383,284	3,278,439	440,821	57,53
	19		0	108,755	2,897,664	3,006,419	361,604	3,464,554	416,707	55,10
	20		142,268	108,755	3,053,554	3,304,576	355,540	3,650,669	392,776	37,23
	21			108,755	3,211,154	3,667,786	352,992	3,836,853	369,263	16,27
	22	2017		126,555	3,211,154	3,337,710	287,342	3,836,853	330,312	42,97
	23	2018		126,555	3,211,154	3,337,710	257,032	3,836,653	295,470	38,43
	24			126,555	3,211,154	3,337,710	229,919	3,836,853	264,303	34,38
	25			126,555	3,211,154	3,337,710	205,667	3,836,853	236,424	30,75
	26	2021	a ng ding din	126,555	3,211,154	3,337,710	183,972	3,830,853	211,485	27,51
	27	2022		128,555	3,211,154	3,337,710	164,567	3,836,853	189,177	
	28			126,555	3,211,154	3,337,710	147,208	3,836,853	169,222	22,01
	29			126,555	3,211,154	3,337,710	131,680	3,836,853	151,372	
·. · ·	30		and the second second	126,555		3,337,710	117,790	3,836,853	135,405	17,61
ter e se ter	31	2026		126,555		3,337,710	105,365	3,836,853	121,122	15,75
1.1.1	32			126,555		3,337,710	94,251	3,836,853	108,346	14,09
· ·	33	2028		126,555		3,337,710	84,309	3,836,853	96,917	12,60
	34			126,555		3,337,710	75,416	3,836,853	85,694	11,27
an a	~	1								
		Total	3,514,615	2 975 808	74,023,123	80,513,543	10,697,232	88,513,900	10,697,232	l o

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B-C B/C 0

1.0000

		Construction Subtramsmin				Construction Substa			İ	Construction Telecomme		на на 1911 година 1911 година		Construction Distribution			Total Const Cor
	Total (Foreign	Local	Local Vet	Total	Foreign	Local	Local Vat	Total	Foreign	Local	Local Vet	Total	Foreign	Local	Local Val	a+b+d+e
FY	(a)+(b)	(a)	(0)	(c)	(đ]+{+)	ശ	(0)	0	(a)+(h)	(0)	(h)	0	@+@	0	0 .)		a+h+i+k
1996	0	0	0	٥	57 248	32,393	24,855	3,259	0	Q	. 0	0	38,345	21,697	16,648	2 183	95,5
1997	28,048	13,558	14,490	1,597	85,872	48,590	37,283	4,688	2,948	1,722	1,226	173	78,278	42,780	35,498	4 459	195,1
	28,048				143,121				2,948				116,623				290,7
1997	0	0	0	· 0	39,572	24,525	15,047	2,254	0	0	0	0	26,505	16,427	10.078	1,509	66,0
1998	23,690	7,490	16,200	1,347	59,358	36,788	22,570		2,433	1,421	1,012	143	57,255	30,609	26,646	3 262	142.7
1.	23,690				98,930				2,433				83,760				208.8
1998	0	. 0	0	0	31,110	19.967	11,143	1,772	0	. 0	0	0	20,837	13,374	7,463	1,187	51,9
1999	39,904	19,367	20,536	2,272	46,664	29,951	16,713		2,059	1 204	855	121	59,382	33,840	25,523	3,383	147.9
	39,904				77.774				2.059				80,200				199.5
1999	0	0	0	Q	55,933	33,114	22,820	3 181	0	0	0	0	37.464	22,180	15,285	2,131	93.3
2000	116,044	72,430	43,614	8,616	83,900	49,670	34,229		3,088	1.805	1,283	181	135 991	82,992	52,999	7,749	339,0
[115,044				139,833				3,068	.,	-1		173,455		02,040	1,1-5	432.4
2000	0	0	0	0	68,856	40,474	28,392	3,921	0	0	0	. 0	46,127	27,110	19,017	2,626	114.9
2001	13,655	7,878	5,777	778	103 299	60,711	42,588	5,882	2,948	1,722	1,226	173	80,310	47,094	33,216	4.577	200,2
[13,655				172 165				2,948				126,437				315.2
2005	0	. 0	0	· 0	156,370	96,509	59,861	8,901	0	. 0	. 0	. 0	104,737	64,642	40,095	5,962	261.1
2006	330,478	202,350	128,128	18,839	234,556	144 764	89,792	13,352	6,784	3,961	2,823	398	383,004	235,151	147,853	21,828	954,8
[330,478	1.	1.1		390,926				6,784				487,741				1,215.9
2010	0	0	0	0	107,226	61,330	45,895	5,103	0	0	.0	0	71,820	41,079	30,741	4.088	179,0
2011	53,935	27,335	26,600	3.071	160,838	91,996	68,642	9,155	3,861	2,257	1,503	227	146,441	81,440	65,001	8,340	365,0
. Í	53,935				268.064				3,861	-,201	.,		218,261	,	00,001	0,340	<u>565,0</u> 544,1
2015	0	0	0	0	90,341	53,388	36,953	5,141	0	0	0	0	60,511	35,759	24,751	3.443	150,8
2016	82,344	50,921	31:423	4,695	135,512	80,082	55,429	7,710	3,064	1,788	1,276	180	147 972	88 944	59,028	8,429	368,8
. 1	82,344				225,853				3.064	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		100	208,483	00,811	53,028	0,425	519,7
									- 0,00 1	· 1							
tal	668,097	401.329	286,768	39,213	1.518.665	904 252	612,413	86,327	27,184	15,880	11,304	1.595	1,494,960	885 116	609.843	85,156	3,726,9

Appendix 12.5-2 Calculation of Interest during Construction

	1. A.	Luction Cost with before Escala			ruction Cost Tafter Escale			nterest during Construction		Finar	cing for Cons	truction
FY	Foreign a+d+a+i	Local b-c+ e-l+h-i+k-j	Total	Foreign	Local	Total	Foreign	Local	Total	Foreign	Local	Grand
1996	54,090	36,062	90,152	55,280	37,637	92,918	1,935	2,446	4,381	57,215	40.084	97,299
1997	106,649	77,380	184,029	111,394	84,310	195,704	7 768	10 373	18 141	119,162	94.683	213,845
			274,181			288,621			22,523			311,144
1997	40,952	21,362	62,314	42,774	23,204	65,977	1,497	1,508	3.005	44,271	24,712	68,982
1998	76,307	58,297	134,605	81,455	66,357	147,813	5,845	7,330	13 175		73,687	160,987
			196,919			213,790			16,180			229,970
1998	33,341	15,647	48,988	35,590	17,675	53,265	1,246	1 149	2,395	36,836	18,824	55,660
1999	84,362	55,195	139,557	92,034	65,399	157,433	5 712	6 549	12,261	97,746	71,948	169,694
			188,545		ан. 1913 - С.	210,698		1	14 656			225,354
1999	55,293	32,793	88,086	60,322	38,917	99,239	2 111	2,530	4 641	62,433	41,447	103,880
2000	206,899	112,808	319,706	230,682	138,849	369,530	12 296	14.084	26,381	242,978	152,933	395,911
	1. 1. A. A.	<u> </u>	407,792		1.11	468,769		1.5	31,022		gewoden.	499,791
2000	67,584	40,861	108,445	75,352	50,511	125,863	2,637	3,283	5,921	77 989	53,794	131,783
2001	117,405	71,397	188,802	133,780	91,935	225,715	9,957	12,542	22,499	143,737	104,477	248,214
			297,247			351,577	- 1999 av 19		28,420		(1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,	379,997
2005	161,151	85,093	246,244	200,328	129,702	330,030	7,011	8,431	15,442	207,340	138,133	345,472
2006	586,226	314,180	900,406	744,774	497,341	1,242,115	40,090	49 188	89 278	784,864	546,529	1 331 393
			1,146,650			1.572,145			104,721			1,676,866
2010		66,445	168,854	141,940	127,577	269,517	4 968	8,292	13,260	146,908	135,869	282,777
2011	203,027	141,254	344,281	287,587	283,791	571,378	20,001	35,031	55,033	307 588	318,823	626,411
			513,136			840,895			68,293			909,188
2015	89,147	53,120	142,268	137,761	126,827	264,588	4,822	8,244	13,065	142,583	135,070	277,653
2016	221,735	126,142	347,878	350,190	310,447	660,637	21,900	36,667	58,566	372,090	347,114	719,203
			490,145		<u> </u>	925,225			71,632		110 58 110	996,857
Total	2,206,578	1 208 026	3 514 815	7 794 742	2 000 479	4,871,721	149,798	207.647	المروح ومروا	2,931,041		5,229,166

Escalation

Foreign Currency Pc 2.2% Local Currency Port 5.0%

 $\{1, j, k\} \in \mathbb{N}$

 $(Z_{1,N}) = \{\chi^{*}, \chi^{*}\}$

1.000

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Interest Rate

Foreign Currency Portion Local Currency Portion

n en trans Vien an tr

7.0% 13.0% Appendix 12.5-3 Operation and Maintenance Cost

		Subtranto	nissien Line		L	Distribution	Substation .	10 A. C. 10	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	Telecomm	unic etcat	1		Ontribution	Facilities		Total
	C٥	minuction Co	mit .	Operation	c	onstruction Cen	t	Operation	Com	stuction Cos	1	Operation	C.	ombuction Con		Operation	Operat
γ	WHOW VAT	· · ·	1.5	and	wethout VAT	:		and	Whow VAT				WHOLE VAT	<u> </u>		-	and
	and it.	Exceletion	Total	Martanarco	and	Escalation	Total	Startonanca	and	Escalation	Total	Martiner, e	2 74	Escalation	Total .	Mentenance	Maintona
	Import Duty	1.1	<u> </u>	Cest	Import Cuty	1.1.1		Cost	Import Duty		12.00	Con	Import Cuty		1.11	Cost	Cost
196	0	0	0	· · 0	51,191	1,595	52,786	0	0	0	0	0	34,288	1,068	35,356	0	
197	25,060	1,732	26,792	0	112,066	6,975	119,041	· 0	2,087	108	2,195	6	93,245	5,904	99,150		
98	21,379	2,652	24,030	804	80,618	7,265	87,883	5,378	1,722	135	1,857	88	69,471	6,733	76,204	4,379	10,0
199	35,653	5 118	40,771	1,551	91,875	11,444	103,319	9 361	1,460	155	1,615	165	86,396	11, 197	97,593	7,766	18
xoo	102,642	15,929	118,571	2,826	136,925	22,361	159,286	12 739	2,190	295	2,485	234	161,929	25,845	187,774	11,213	27
10	12,127	2,443	14,570	6,477	92,149	18,385	110,534	18,946	2,087	342	2,430	340	71,242	14,180	85,422	18,703	44
x02	0	0	0	7,130	0	0	0	26,854	0	0	0	446		0	00,111	24,654	59
03	Ō			7,367	0	'n	9 Z ñ	27 745	0		Ō	459	Ő	ň	Ň	25,472	61
X04	0		0	7,611		0	. 0	28 666	0	0	ò	471	ŏ		ň	26 316	63 (
05	0	0	0	7,865	139,785	48,309	188,094	29,617	ó			485	93,628	32,357	125,986	27,189	65
66	292,616	113,182	405,797	8,126	209,678	81,211	290,889	30,600	4,802	1,557	6,359	498	339,653	131,248	470,900	28,090	67.
07	101.010			20,570	100,010	01.211	. 200,000	50 775	4,002		0,000	766	335,033	131,240	470,900	52,897	125
08	Ö	ő	ŏ	21,254	ŏ	Ň		52 460	Ň		ŏ	788	0		Ň		
09	ő	Å	Ň	21,960	ů	ň		54,200			Ň	810			0	54,650	129
10	ŏ		ŏ	22,690	95,902	58,269	154,171	55,999		Ň		832	64.225	0	402.024	56,462	133
11	48,145	34,667	82,812	23,445	143,853	95,169	239,022	57,857	2,738	1,399	4 426	855	64,235	39,029	103,264	58,334	137
2	-0,1-0	34,007	62,012 D	26,708	143,633	50,105	239,022	75 504	2,135	1,355	4,136	1.044	130,434	87,901	218,335	60,268	142
13	. 0	Ň	0	27,596	0	0	· •	78.010	. v				. 0	0	0	75,130	178
14	0		. 0			Ű			-0			1.074	Ű	0	0	77,621	184
15	. 0	, v		28,514	¥			80,598	.0		0	1,103	0	0	0	80, 194	190
16	72.828	64,715		29,461	80,967	70,946	- 151,913	83 273	2,167	4 676	•	1,134	54,232	47,520	101,752	82,853	196
10	12,020	04,715	137,543	30,441	121,451	114,127	235,578	86,036	2,157	. 1,575	3,742	1,166	131,580	120,843	252,423	85,599	203
				35,579			1.5	104,390				1,348				102,604	243
18	•		3	36,762			1a a 👘	107 854	1.1.1			1,385		Í		106,006	252
19		1 A A		37,984			1.1	111 433		1.1		1,424				109,520	260
20				39,247				115 131				1,463				113,151	268
21			•	40,551			÷	118,951				1,504				116,902	277
22			1	41,899				122,898				1,546				120,778	287
23			4.11	43,292	1 N 1 1 1 1 1	- 19 11 		126,976		10 July 10		1,589			Sec. 1.	124,782	296
24	· ·		1. T	44,731				131,189				1,633				128,919	306
5		· ·		46,218				135,542				1,679				133,193	316
26				47,755				140,040				1,725				137,609	327
27			1.0	49,342				144,687		1.1		1,773				142,171	337,
28			- e	50,982				149,486	1 A 1			1,823	1			146,884	349
29			1.11	52,577				154,448		199		1,873		111 g		151,754	350,
												1		1.1			
ļ	610,449	240,437	850,886	869,415	1,356,460	536,056	1,892,515	2 527 545	19,254	5,567	24,820	33,523	1,330,333	523,824	1,854,158	2,492,063	5,922
			4		1.1.1		1.1								11 A A	S	
		a artigae	114 (1997)			1.11.1	1.5.2					•				1.1	
					-		anti. Attación			-							
		Арр	endix 1	2.5-4	Energy	/ Purch	ase ar	d Sales	5		11						
					÷.	· · · · · · · · · · · · · · · · · · ·	1.1. J.										

Appendix 1	2.5-4 E	Energy P	urchase	and Sales
and the second				

	1.00			y Purchase	<u></u>		Energy	sales	1 (B)
		Incremental	Purchase Price	Purchase	Purchase	Incremental Energy	Sales Price	Sales	Sales
•	FY	Energy	of MEA	Baht	Dollar	without Street Lighting	of MEA	Baht	Dollar
		A	В	C=AxB		D	E :	F=DxE	
		GWh	Baht/kWh	Million Baht	1,000 USS	GWh	Baht/kWh	Million Baht	1,000 USS
	1998	2,696		4,335.61	173,424	2,612	2.0194	5,273.68	210,94
	1999	5,607		9,468.19	378,728	5,401	2.1203	11,452.62	458,10
	2000	8,644		15,327.23	613,089	8,316	2.2263	18,513.35	740,53
	2001	12,099			901,067	11,580	2.3377	27,070.78	1,082,83
	2002	15,093	1.9549	29,504.92	1,180,197	14,427	2.4545	35,411.27	1,416,45
	2003	18,011			1,478,797	17,202	2.5773		1,773,33
	2004	21,061	2.1553		1,815,680	20,102	2.7061	54,398.63	2,175,94
	2005	24,170	2,2630	54,696.55	2,187,862	23,058	2.8414	65,518.02	2,620,72
	2006	27,321	2.3762		2,596,755	26,059	2.9835	77,747.02	3,109,88
	2007	30,518	Lat the second	76,142.30	3,045,692	29,100	3.1327	91,159,89	3,646,39
	2008	33,756	2.6197	88,432.75	3,537,310	32,179	3,2893	105,847,40	4,233,89
	· 2009	37,035		101,874,20	4,074,968	35,297	3,4538	121,909.88	4,876,39
	2010	40,354	2,8883	116,553.62	4,662,145	38,454	3,6265	139,451,19	5,578,04
	2011	43,726		132,606,18	5,304,247	41,650	3,8078	158,593.50	6,343,74
	2012	46,531	3,1843	148,169.04	5,926,762	44,317	3.9982	177,187.63	7,087,50
	2013	49,337	3.3435	164,960,17	6,598,407	46,985	4.1981	197,248.87	7,889,95
	2014	52,143		183,056.32	7,322,253	49,653	4.4080	218,868.88	8,754,75
	2015	54,948	3.6862	202,549.68	8,101,987	52,320	4.6284	242,157.77	9,686,31
	2016	57,784	3.8705	223,653.89	8,946,156	54,988	4,8598	267,233.21	10,689,32
	2017	57,784	4.0641	234,836.59	9,393,463	54,988	5.1028	280,594.87	11,223,79
	2018	57,784	4.2673	246,578.42	9,863,137	54,988	5.3580	294,624.62	11,784,98
	2019	57,784	4,4806	258,907.34	10,356,293	54,988	5.6259	309,355,85	12,374,23
·	2020	57,784	4.7047	271,852.70	10,874,108	54,988	5.9072	324,823.64	12,992,94
÷. *	2021	57,784	4.9399	285,445.34	11,417,814	54,988	6.2025	341,064.82	13,642,59
	2022	57,784	5,1869	299,717.61	11,988,704	54,988	6.5126	358,118.06	14,324,72
	2023	57,784	5.4462	314,703,49	12,588,139	54,988	6.8383	376,023.97	15,040,95
	2024	57,784	5.7185	330,438,66	13,217,546	54,988	7.1802	394,825,16	15,793,00
	2025	57,784	6.0045	346,960.59	13,878,424	54,988	7.5392	414,566.42	16,582,65
	2026	57,784	6.3047	364,308.62	14,572,345	54,988	7.9162	435,294.74	17,411,79
· · · · ·	2027	57,784	6.6199	382,524.05	15,300,962	54,988	8.3120	457,059.48	18,282,37
	2028	57,784	6.9509	401,650.26	16,066,010	54,988	8.7276	479,912.45	19,196,49
	2029	57,784	7.2985	421,732.77	16,869,311	54,988	9,1639	503,908.08	20,156,32
	Total	1,332,022		5,880,794,56	235,231,782	1,268,544		7,029,549,13	281,181,96

i		Financ	ing for Constru	ction	8	epayment of Fi	oreign Currenc	¥.		Repayment of L	ocal Currency	
No.	FY	Foreign	Locat	Total	Interest	Principal	Totai	Balance	Interest	Principal	Total	Balance
ļ	1996	57,215	40,084	97,299								
	1997	119,162	94,683	213,845				176,378				134,76
. 1	1998	. 1			12,348	4,302	16,649	172,075	17,520	10,564	28,084	124,20
2	1999				12,045	4,604	16,649	167,472	16,146	11,937	28,084	112,26
3	2000		. !		11,723	4,926	16,649	162,546	14,594	13,489	28,084	98,77
. 4	2001	· · ·]			11,378	5,271	16,649	157,275	12,841	15,243	28,084	83,53
5	2002	1	1		11,009	5,640	16,649	151,636	10,859	17,224	28,084	65,31
6	2003		·		10,615	6,034	16,649	145,601	8,620	19 463	28,084	46,84
7	2004]		10,192	6,457	16,649	139,145	6,090	21,994	28,084	24,85
8	2005		1	· ·	9,740	6,909	16,649	132,236	3,231	24,853	28,084	
9	2006		1		9,257	7,392	16,649	124,844				
10]	2007				8,739	7,910	16,649	116,934	-		· ·]	
11	2008		1	. .	8,185	8,463	16,649	108 471			1	5
12	2009	- 1 I	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	· · · ·	7,593	9,056	16,649			1 (1 (1 (1)		
13	2010			12	6,959	9,690	16,649			: . I	· ·	
14	2011	l			6,281	10,368	16,649	79,357	.			
15	2012		. 1		5,555	11,094	16,649	68,263				
16	2013				4,778	11,870	16,649	56,393		·	1.5	gia en l'
17	2014		·	·	3,948	12,701	16,649	43,692		4.87		÷.
18	2015	1		- 1 - 1 - 1 - 1	3,058	13,590	16,649	30,101				
19	2016		1		2,107	14,542	16,649	15,560				
20	2017		· · [1,089	15,560	16,649	0	· [2 - A.	1997 - 19	
			1						·			1.1.1
. [Total	176,378	134 766	311,144	156,598	176,378	332,976		89,902	134,766	224,668	1

ndiv 1255 Repow of Schadula of Dahi (Loop Supplied 1996 - 1997) .

Appendix 12.5-6 Repayment Schedule of Debt (Loan Supplied 1997 - 1998)

1.1	.	Financ	ing for Constru	rction	R	epayment of Fe	oreign Currenc	<i>i</i> 1	· · ·	Repayment of L	ocal Currency	
<u> (o</u>	_FY	Foreign	Local	Total	Interest	Principal	Tolai	Batance	Interest	Principal	Total	Balance
	1997	44 271	24,712	68,982	a		1 A A					
	1998	87,301	73.687	160,987				131,571				98,39
- 1	1999	·		· 1	9,210	3,209	12,419	128,362	12,792	7 713	20,505	90,68
- 2]	2000	1	· · · ·		8,985	3,434	12,419	124,928	11,789	8,716	20,505	81,97
3	2001				8,745	3,674	12,419	121,253	10,656	9,849	20,505	72,12
- 4	2002				8,488	3,932	12,419	117,322	9,376	11,129	20,505	60,99
. 5	2003				8,213	4,207	12,419	. 113,115	7,929	12,576	20,505	48,4
6	2004				7,918	4,501	12,419	108,613	6,294	14,211	20,505	34,20
7	2005	· [7,603	4,816	12,419	103,797	4 447	16,058	20,505	18,1
- 8	2006	· · · .			7,266	5,154	12,419	98,643	2,359	18,146	20,505	
9	2007		1. A. 1. A. 1.	· · · ·]	6,905	5,514	12,419	93,129				
10	2008				6,519	5,900	12,419	87,229			5 L L	
11	2009				6,106	6,313	12,419	80,915		:	1.1	i i
12	2010		14 A A	2	5,664	6,755	12,419	74,160		1. S. M. C.		e de la la
.13	2011				5,191	7,228	12,419	66,932		1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 -	- 11 A	4. 1 - A
14	2012	Ì		1	4,685	7,734	12,419	59,198		- 10 A		-1
15	2013	· · •		1 - E	4,144	8,276	12,419	50,922				
16	2014	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		- ee - 1	3,565	8,855	12,419	42,067				5 S. 19
17	2015	- 1 - 1 - 1		11	2,945	9,475	12,419	32 592	÷ •	1 A 1	11000	- i •
18	2016	.			2,281	10,138	12,419	22,454	8 - 1 - 1 - 1	- 1543 - A	$\{ (x,y) \in \mathcal{X} \}$	
19	2017				1,572	10,848	12,419	11,607				
20	2018	· ·	. 1	·	812	11,607	12,419	0				
			· · ·				Marka ang	· · · · ·	and an in the second			· ·
	Total	131,571	98,398	229,970	116,817	131,571	248,388		65,641	98,398	164,039	11 A.
۰.		1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1			De la composición de		1. A. 18.	1 N N			114	÷
11					1.1		and Angel	1999 - 1999 -	1911 - 1920 - 19	l viteri.		N. 197
		Appendix 12	5-7 Repay	ment Scheo	Jule of Debt	(Loan Suppi	lied 1998 - 1	999)	Le per la companya	and generation	100 B	

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	· L	Finan	cing for Constn	uction	<u> </u>	epayment of Fo	preign Currency	2 A 19 A	<u></u>	Repayment of t	ocal Currency	
4	FY	Foreign	Local	Total	interest	Principal	Total	Balance	Interest	Principal	Total	Balance
1	1998	36,836	18,824	55,660		· · ·	419 - 6124		R. A.	and the second	122.0	
	1999	97,746	71,948	169,694				134,582	1	1.5	1.44	90,7
1	2000			i	9,421	3,283	12,704	131,299	11,800	7,115	18,916	83,6
2	2001	. 1	•	•	9,191	3,513	12,704	127,787	10,875	8,040	18,916	75,6
3	2002			127	8,945	3,759	12,704	124,028	9,830	9,066	18,916	66,5
4	2003		t an t		8,682	4,022		120,006	8,649	10,267	18,916	56,2
5	2004				8,400	4,303	12,704	115,703	7 314	11,601	18,916	44,6
6	2005			÷.,	8,099	4,604	12,704	111,099	5,806	13,109	18,916	31,5
7	2006				7,777	4,927	12,704	106,172	4 102	14,814	18,916	16,7
8	2007	- et - 19 - 1		$(1,1,2,\dots,2,1)$	7,432	5,272	12,704	100,901	2 176	16,739	18,916	
9	2008			·	7,063	5,641	12,704	95,260				7.1
0	2009				6,668	6,035	12,704	89,225	1.000	14.5.5		- <u>-</u>
11	2010	in di si		· · · ·	6,246	6,458	12,704	82,767				
2	2011				5,794	6,910	12,704	75,857				ji ta s
3	2012		· · }	1.5	5,310	7,394	12,704	68,463				
4	2013			1.1	4,792	7,911	12,704	60,552	1.1.1.1.1.1			1997) 1997 - Maria Maria
5	2014	. <u>5</u>			4,239	8,465	12,704	52.087				in the second
6	2015				3,646	9,057	12,704	43,030				
7	2016	11 - A 14		() (3,012	9,692	12,704	33 338			1 - E 1 - E	1.15
8	2017	1. Sec. 1.	- A - A - A - A - A - A - A - A - A - A		2,334	10,370	12,704	22,968				1996 - 199 1
9	2018	- 11 (1		s. 1. 1.	1,608	11,096	12,704	11.873		- X		Section 1
0	2019				831	11,873	12,704	0				
		1.1.1.1			s a tradition of the			20 13.d	15 9 6 6			1997 F
Ľ	Total	134,582	90,772	225,354	119.490	134.582	254,072	an a saide i	60,553	90,772	151,325	44 - Million 1997 - Million

	. (Finan	cing for Constr	iction	, R	epayment of Fo	reion Currency	<u> </u>	٩	Repayment of Lo	cal Currency	<u></u>
vo_	5FY [Foreign	Local	Total	Interest	Principal	Total	Balance	Interest	Principal	Total	Balance
	1999	62,433	41,447	103,880								
÷.	2000	242,978	152,933	395,911				305,411				194,38
1	2001				21,379	7,450	28,829	297,962	25,269	15,237	40,506	179,14
2	2002	· · ·		· .	20,857	7,971	28,829	289,990	23,289	17,218	40,506	161,92
3	2003	· ·			20,299	8,529	28,829	281,461	21,050	19,456	40,506	142,46
4	2004			· · · ·	19,702	9,126	28,829	272 334	18,521	21,985	40,506	120,48
5	2005			- 1 T 1	19,063	9,765	28,829	262 569	15,663	24,843	40,506	95,64
6	2006	1.1			18,380	10,449	28,829	252 120	12,433	28,073	40,506	67,56
7	2007	4 - C	- A.	$(1,1,2,\dots,2^{n-1})$	17,648	11,180	28,829	240 940	8,784	31,722	40,506	35,84
8	2008		1997 - A.		16,866	11,963	28 829	228,977	4,660	35,846	40,506	
9	2009				16,028	12,800	28,829	216 177		· ·		
10	2010				15,132	13,696	28 829	202 481		ĺ		
11	2011				14,174	14,655	28,829	187,826				
12	2012				13,148	15,681	28,829	172 145		ľ	1	
13	2013				12,050	16,779	28,829	155,366			1	
14	2014				10,876	17,953	28,829	137 413	1	1	1	
15	2015				9,619	19,210	28,829	118,203	1		ſ	· · ·
16	2016				8,274	20,554	28,829	97,649				
17	2017				6,835	21,993	28,829	75 656				
18	2018				5,296	23,533	28,829	52 123				1.1
19	2019				3,649	25,180	28,829	26 943	1			· . ·
20	2020				1,886	26,943	28,829	ō		1		
-0					.,							
-	Total	305,411	194,380	499,791	271,162	305,411	576.574	1. ¹	129,669	194,380	324,049	÷.,

Appendix 12.5-8 Repayment Schedule of Debt (Loan Supplied 1999 - 2000)

Appendix 12.5-9 Repayment Schedule of Debt (Loan Supplied 2000 - 2001)

· 1	1	Finan	ting for Constn	uction.	.	epayment of F	oreign Currence	y <u>''</u>		Repayment of	Local Currency	
No.	FÝ [Foreign	Locai	Total	Interest	Principa!	Total	Baiance	Interest	Principal	Total	Balance
:	2000	77,989	53,794	131,783				1	100 A.A.A.A.A.A.A.A.A.A.A.A.A.A.A.A.A.A.A			
14 e	2001	143 737	104,477	248.214				221,726	= 10000			158,27
1	2002		·	$(X_{i}) = (Y_{i})$	15,521	5,409	20,929	216 318	20,575	12,406	32,982	145,86
2	2003	1 . L. Z	1 - A	- 81 Fe	15,142	5,787	20,929	210,531	18,962	14,019	32,982	131,84
3	2004	Sec. 1	an she		14,737	6,192	20,929	204,338	17,140	15,842	32,982	116,00
- 4	2005	12.15	se te i	111 B. N.	14,304		20,929	197,713	15,080	17,901	32,982	98,10
5	2006		1	pine e l	13,840		20,929		12,753	20,228	32,982	77,87
6	2007				13,344	7,586	20,929	183,037	10 124		32,982	55,01
7	2008				12,813	8,117	20,929	174,921	7,152	25,829		29,18
А	2009	1.2011.001		1. A.	12,244	8,685	20,929	166,236	3,794	29,187	32,982	
: g	2010				11,636		20,929					ttan an a
10	2011			i	10,986		20,929	146 999				
11	2012				10,290		20,929	136,360				
12	2013			:	9,545	11,384	20,929	124 976			1	1 A A
13	2014				8,748		20,929	112,795			1	4 4 <u>5</u> 5
14	2015	· · ·		· · ·	7,896		20,929	99,761	,			a stalling i
15	2016	:		:	6,983		20,929	85,815		-		
16	2017	.:			6,007	14,922	20,929	70,892				1. A. A.
17	2018		· ·		4,962		20,929	54,925			1	
18		а та			3,845		20,929	37,841	2	2	1	
19				. · · ·	2,649		20,929	19,560				, 19 - 11 1
20				1	2,049		20,929		,			1.
20	2021	it , ,			1,309	19,000	20,929	: V	· .	1.1		
н Х. с. 1	Total.	221 726	158,271	379,997	196,862	221,726	418,588	1.14	105,581	158,271	263,852	8 . E . L

Appendix 12.5-10 Repayment Schedule of Debt (Loan Supplied 2005 - 2006)

1	[Financing for Construction			Repayment of Foreign Currency				Repayment of Local Currency			
No.	_FY [Foreign	Local	Total	Interest	Principal	Total	Balance	Interest	Principal	Total	Balance
	2005	207,340	138,133	345,472	1.1					. 1		
1	2006	784,864	546,529	1,331,393		. 1		992,204				684,6
1	2007				69,454	24,203	93,657	968,001	89,006	53,668	142,674	630,9
2	2008	1. A. I.		· · · ·	67,760	25,897	93,657	942,104	82,029	60,645	142,674	570,3
3	2009			· · · ·	65,947	27,710	93,657	914,394	74 145	68,529	142,674	501,8
4	2010				64,008	29,649	93,657	884,745	65 236	77,438	142,674	424,3
5	2011		- 1.	. 1	61,932	31,725	93,657	853,020	55,170	87,505	142,674	336,8
6	2012			I	59,711	33,946	93,657	819,075	43,794	98,881	142,674	237,9
7	2013		· ·		57,335	36,322	93,857	782,753	30,939	111,735	142,674	126,2
8	2014	- · · · ·			54,793	38,864	93,657	743,888	16,414	126,261	142,674	
- ēl	2015	[1	52,072	41,585	93,657	702,304				
10	2016				49,161	44,496	93,657	657,808	· [1		
11	2017				46,047	47,610	93,657	610,197				
12	2018	· ·			42,714	50,943	93,657	559,254	[1	
13	2019	4	- 1 - L - L - L	*	39,148	54,509	93,657	504,745	1	11 I.		
14	2020				35,332	58,325	93,657	446,420	.			
15	2021	1.10			31,249	62,408	93,657	384,012				
18	2022				26,881	66,776	93,657	317,236		ł		
17	2023				22,207	71,450	93,657	245,786	.: I		J	
18	2024			1 A	17,205	76,452		169,334				
19	2025				11,853	81,804	93,657	87,530	1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 -	·		
20	2026				6,127	87,530		o				
- 1	•			el a car				general 👌				
	Total	992,204	684 662	1,676,866	880,937	992,204	1 873,141		455 734	684,662	1,141,395	· · · ·

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Appendix 12.5-11 Repayment Schedule of Debt (Loan Supplied 2010 - 2011)

	· · · · · · · · · · · · · · · · · · ·			·			(1,000 US)						
	' L	Finance			Repayment of t	ocal Currency							
No	FY	Foreign	Local	Tolai	Interest	Principal	Total	Balance	Interest	Principal	Total	Balance	
	2010	146,906	135,869	282,777			1 1 A						
	2011	307,588	318,823	626,411				454,496				454,692	
- 1	2012	1			31,815	11,086	42,901	443,409	59,110	35,642	94,752	419,050	
2	2013		· ·		31,039	11,863	42,901	431,547	54,477	40,275	94,752	378,775	
- 3	2014	·		1.1	30,208	12,693	42,901	418,854	49,241	45,511	94,752	333,264	
- 4]	2015	·			29,320	13,581	42,901	405,272	43,324	51,427	94,752	281,837	
5	2016			Í	28,369	14,532	42,901	390,740	36,639	58 113	94,752	223,723	
6	2017	[1		27,352	15,549	42,901	375,191	29,084	65,668	94,752	158,056	
7	2018	1 A A A			26,263	16,638	42,901	358,553	20,547	74,205	94,752	83,851	
8	2019	1			25,099	17,802	42,901	340,751	10,901	83,851	94,752	0	
័ទ	2020	·	· · [23,853	19,049	42,901	321,702					
10	2021	1		-	22,519	20,382	42,901	301,320	1				
11	2022		1		21,092	21,809	42,901	279,511		[1		
12	2023	1	[19,566	23,335		256,176	1		1		
13	2024]	1	17,932	24,969		231,207		1			
14	2025				16,184	26,717	42,901	204,490	· · [1			
15	2026				14,314	28,587	42,901	175,903					
16	2027	1	1		12,313	30,588		145,315	·	1			
17	2028				10,172	32,729	42,901	112,586	· · · •		[
18	2029		· ·]		7,881	35,020	42,901	77,566			ľ	•	
19	2030				5,430	37,472	42,901	40,095				- 1 - 1	
20			· [2,807	40,095	42,901	ol	((5	
					,_#/					· ·	· 1	1	
·	Total	454,496	454,692	909,188	403,528	454,496	858,023		303,322	454,692	758,014		

Appendix 12.5-12 Repayment Schedule of Debt (Loan Supplied 2015 - 2016)

		Financing for Construction			A	epayment of F	oraion Cumano			1,000 US\$)		
No.	FY ·	Foreign	Local	Total	Interest	Principal	Total	Balance	Interest	Principal	Local Currency Total	Balance
	2015	142,583		the second s			10.4			C. NE XVIDAN	1948	Dakarice
	2016	372,090	347 114					514,672				482,184
1	2017		a si ta si t		36,027	12,554	48,581	502,118	62,684	37,797	100,481	444,388
2	2018				35,148	13,433		488,685	57 770	42,710		401,677
3	2019				34,208	14,373	48,581	474,311	52,218	48,263	100,481	353,414
4	2020				33,202	15,380	48,581	458,932	45,944	54,537	100,481	298,877
5	2021	e de la composición d	- · · · · ·		32,125	16,456		442,476	38,854	61,627	100,481	237,251
6	2022				30,973	17,608	48,581	424,867	30,843	69,638		167,612
7	2023		•		29,741	18,841	48,581	406,027	21,790	78,691	100,481	88,921
8	2024				28,422	20,160	48,581	385,867	11,560	88,921	100,481	00,021
9	2025				27,011	21,571	48,581	364,296	,		100,701	
10	2026				25,501	23,081	48,581	341,216	· · · · ·		-	
11	2027				23,885	24,696	48,581	316,519	· · .		:	
12	2028		·	:	22,156	26,425	48,581	290,094				
13	2029				20,307	28,275	48,581	261,819				
14	2030	3	. 1		18,327	30,254	48,581	231,565			1	
15	2031	· · · ·			16,210	32,372	48,581	199,193				
16	2032				13,944	34,638		164,556			:	
17	2033			1	11,519	37,063	48,581	127,493				
18	2034				8,925	39,657	48,581	87,836				
19	2035				6,149	42,433	48,581	45,403				
20	2036				3,178	45,403			[1.1
					2,			័	. 1			
	Total	514,672	482,184	996,857	456,956	514,672	971,629		321,662	482,184	803,847	

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Appendix 12.5-13 Statement of Profit and Loss

					· · · · · · · · · · · · · · · · · · ·				(1,000 US\$)
				Business	Expenses			Financial	
			O&M	Energy			Business	Cost	Net
	FY	Revenue	Cost	Purchase	Depreciation	Total	Profit	(Interest)	Profit
		A .	В	С	D	E=8+C+D	F=A-E	G	H≃F⋅G
	1998	210,947	10,648	173,424	14,143	198,215	12,732	29,866	17,134
1	1999	458,105	18,843	378,728	24,596	422,166	35,939	50,193	-14,255
	2000	740,534	27,012	613,089	34,839	674,940	65,594	68,313	-2,719
	2001	1,082,831	44,465	901,067	57,557	1,003,090	79,741	110,335	-30,593
	2002	1,416,451	59,085	1,180,197	74,830	1,314,111	102,339	138,749	-36,410
	2003	1,773,335	61,042	1,478,797	74,830	1,614,669	158,665	128,161	30,504
	2004	2,175,945	63,065	1,815,680	74,830	1,953,575	222,370	116,309	106,061
	2005	2,620,721	65,155	2,187,862	74,830	2,327,847	292,874	103,036	189,837
	2006	3,109,881	67,314	2,596,755	74,830	2,738,899	370,982	88,167	282,816
	2007	3,646,396	125,008	3,045,692	151,051	3,321,751	324,645	233,612	91,033
	2008	4,233,896	129,151	3,537,310	151,051	3,817,512	416,384	213,047	203,337
	2009	4,876,395	133,432	4,074,968	151,051	4,359,451	516,944	192,527	324,417
	2010	5,578,047	137,855	4,662,145	151,051	4,951,051	626,997	174,882	452,115
	2011	6,343,740	142,425	5,304,247	151,051	5,597,723	746,017	159,527	586,490
	2012	7,087,505	178,387	5,926,762	192,378	6,297,526	789,979	233,418	556,561
	2013	7,889,955	184,300	6,598,407	192,378	6,975,085	914,870	209,100	705,770
	2014	8,754,755	190,409	7,322,253	192,378	7,705,040	1,049,716	182,030	867,685
	2015	9,686,311	196,721	8,101,987	192,378	8,491,086	1,195,225	151,880	1,043,345
	2016	10,689,328	203,242	8,946,156	192,378	9,341,775	1,347,553	136,827	1,210,726
	2017	11,223,795	243,922	9,393,463	237,689	9,875,074	1,348,721	219,031	1,129,690
	2018	11,784,985	252,007	9,863,137	237,689	10,352,833	1,432,151	195,122	1,237,030
	2019	12,374,234	260,361	10,356,293	237,689	10,854,344	1,519,890	169,898	1,349,992
	2020	12,992,946	268,992	10,874,108	223,546	11,366,646	1,626,299	142,865	1,483,434
	2021	13,642,593	277,909	11,417,814	213,093	11,908,816	1,733,777	126,117	1,607,660
	2022	14,324,722	287,121	11,988,704	202,850	12,478,675	1,846,047	109,789	1,736,258
	2023	15,040,959	296,639	12,588,139	180,132	13,064,911	1,976,048	93,303	1,882,745
	2024	15,793,007	306,473	13,217,546	162,860	13,686,879	2,106,128	75,119	2,031,009
	2025	16,582,657	316,632	13,878,424	162,860	14,357,916	2,224,741	55,049	2,169,693
•	2026	17,411,790	327,129	14,572,345	162,860	15,062,333	2,349,456	45,942	2,303,514
1	2027	18,282,379	337,973	15,300,962	162,860	15,801,795	2,480,584	36,198	2,444,386
	2028	19,196,498	349,177	16,066,010	162,860	16,578,047	2,618,451	32,328	2,586,123
•	2029	20,156,323	360,753	16,869,311	86,638	17,316,702	2,839,621	28,188	2,811,434
								$\mathcal{L} = \mathcal{L} - \mathcal{L}_{\mathcal{L}}$	
	Total	281,181,965	5,922,648	235,231,782	4,656,054	245,810,484	35,371,481	4,048,927	31,322,553

Appendix 12.5-14 Cash Flow

(1,000 USS) Cash Inflow Cash Outflow Balance FY Financing Net Profit Depreciation Total Investment* Repayment Total Total Accumulated of Principal, 97,299 1996 92,918 92,918 97,299 0 -4,381 -4,381 261,681 1997 261,681 282,827 0 282,827 -21.147 -25,528 1998 201,078 17,134 216,647 14,143 198.087 14.866 231,513 58.955 -33.427 1999 -92,979 256.672 14,255 24,596 267.013 273.574 27,463 301.037 -34,024 2000 495,393 -2.719 34,839 527,513 527,695 40,963 568,658 -41,144 -134,123 2001 225,715 -30,593 57,557 252,678 248,214 68,276 316,490 -63,811 -197,934 2002 36,410 74,830 38,420 93,772 93,772 -55,352 -253,287 2003 30,504 74,830 105,334 104,360 104,360 974 -252,313 -187,635 2004 106.061 74,830 180.891 116.212 116,212 64,678 594,697 2005 330 030 189,837 74.830 345 472 129,485 474,957 119,740 -67,895 2006 1,242,115 282,816 74,830 1,599,760 1,331,393 116,272 1,447,665 152,095 84,200 2007 91,033 151,051 242,084 186,652 186,652 139,632 55,431 2008 203,337 151,051 354,388 188,302 188,302 166,086 305,718 2009 324,417 151.051 475.468 168,316 612.870 168.316 307,152 2010 269 517 452,115 151,051 872,682 282.777 152,980 435 756 436,926 1,049,796 2011 571,378 586,490 151,051 1,308,919 626,411 168,334 794,745 514,174 1,563,970 2012 556,561 192,378 748,939 232,096 232,096 516,842 2,080,812 2013 705,770 192,378 898,148 256,414 256,414 641,734 2,722,546 867,685 283,484 2014 192.378 1.060.063 283,484 776 579 3,499,125 264,588 192,378 277.653 170,960 2015 1,043,345 1,500,311 448,613 4.550.822 1,051,697 2016 660,637 1,210,726 192,378 2,063,741 719,203 186,013 905,216 1,158,525 5,709,347 2017 1,129,690 237,689 1,367,379 252,872 252,872 1,114,508 6,823,855 2018 1,237,030 8,038,442 237,689 1,474,719 260,132 260,132 1,214,587 1,349,992 2019 237,689 1.587.682 272,936 272.936 9,353,187 1.314.745 1.483.434 2020 223 546 1,706,980 192,513 192,513 10 867 655 1,514,467 2021 1,607,660 213,093 1,820,754 180,433 180,433 1,640,321 12,507,975 2022 1,736,258 202,850 1,939,108 175,831 175,831 1,763,276 14,271,252 2023 1,882,745 180,132 2,062,877 192,318 192,318 1,870,559 16,141,811 2.031.009 162,860 2.193.868 210,502 210,502 2024 1,983,367 18,125,178 162,860 130,091 2025 2,169,693 2.332.552 130.091 2,202,461 20.327.639 2026 2,303,514 162,860 2,466,374 139,197 139,197 2,327,176 22,654,815 2027 2,444,386 162,860 2,607,245 55,284 55,284 2,551,961 25,206,777 162,860 2,748,982 59,154 2028 2,586,123 59,154 2,689,828 27,896,605 2029 2.811.434 86,638 2,898,072 63,295 63.295 2,834,777 30,731,382 4 656 054 40 850 328 4 889 780 Tota 4 871 72 31 322 553 5,229,166 10 118 946 30 731

* Note: Investment including interest during construction

Appendix 12.5-15	Calculation of Debt Service	Ratio

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	T						nt of Debt		(1,000 US\$)
-			and Procured	· · · · · · · · · · · · · · · · · · ·		Debl			
FY	Business Profit	Depreciation	Total	Accumulated	Interest	Principal	Total	Accumulated	Service
1996				(A)	·			(B)	Ratio(A/B)
1997							1		· · ·
1998		14,143	26,875	26,875	29,866	14 000	44 700	4.4 700	
1999	35,939	24,596							0.60
2000		34,839	100,433					4 · · · · · · · · · · · · · · · · · · ·	0.71
2001	79,741	57,557	137,298	325,141		1 · · · ·		231,665	0.81
2002	102,339	74,830		502,310		4		410,276	0.79
2003	158,665	74,830	233,495	735,805			F		0.78
2004	222,370	74,830	233,495						
2005	292,874	74,830	367,704	1,033,005		F '		1,107,840	0.93
2006	370,982			1,400,709				1,340,362	1.05
2007	324,645	151,051	445,612	1,846,521	88,167		4	1,544,800	
2008	416,384	151,051		2,322,217	233,612		420,265	1,965,065	
2009	516,944	151,051	567,435	2,889,651		188,302	401,349	2,366,413	1.22
2003	626,997	151,051	667,995	3,557,646		· ·		2,727,256	1.30
2010	746,017		778,048	4,335,694	174,882			3,055,118	1.42
2012	740,017	151,051	897,068	5,232,762	159,527	168,334	327,861	3,382,979	1.55
2012	914,870		982,357	6,215,119	233,418			3,848,493	1.61
2013		192,378	1,107,248	7,322,367	209,100	256,414	465,514	4,314,007	1.70
2014	1,049,716	192,378	1,242,093	8,564,460	182,030	283,484	465,514	4,779,522	1.79
2015	1,195,225	192,378	1,387,603	9,952,063	151,880	170,960		5,102,362	1.95
2010	1,347,553	192,378	1,539,931	11,491,994	136,827	186,013	322,840	5,425,201	2.12
2017	1,348,721	237,689	1,586,410	13,078,404	219,031	252,872	471,902	5,897,104	2.22
	1,432,151	237,689	1,669,841	14,748,244	195,122	260,132	455,253	6,352,357	2.32
2019	1,519,890	237,689		16,505,824	169,898	272,936	442,834	6,795,191	2.43
2020 2021	1,626,299	223,546	1,849,846	18,355,669	142,865	192,513	335,379	7,130,569	2.57
	1,733,777	213,093	1,946,871	20,302,540	126,117	180,433	306,550	7,437,119	2.73
2022 2023	1,846,047	202,850	2,048,897	22,351,437	109,789	175,831	285,620	7,722,740	2.89
	1,976,048	180,132	2,156,180	24,507,617	93,303	192,318	285,620	8,008,360	3.06
2024	2,106,128	162,860	2,268,987	26,776,604	75,119	210,502	285,620	8,293,981	3.23
2025	2,224,741	162,860	2,387,601	29,164,205	55,049	130,091	185,140	8,479,120	3.44
2026 2027	2,349,456	162,860	2,512,316	31,676,521	45,942	139,197	185,140	8,664,260	3.66
	2,480,584	162,860	2,643,444	34,319,964	36,198	55,284	91,483	8,755,743	3.92
2028	2,618,451	162,860	2,781,311	37,101,275	32,328	59,154	91,483	8,847,225	4.19
2029	2,839,621	86,638	2,926,260	40,027,535	28,188	63,295	91,483	8,938,708	4.48
Total	35,371,481	4,656,054	40,027,535		4,048,927	4,889,780	8,938,708		

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