

Attachments

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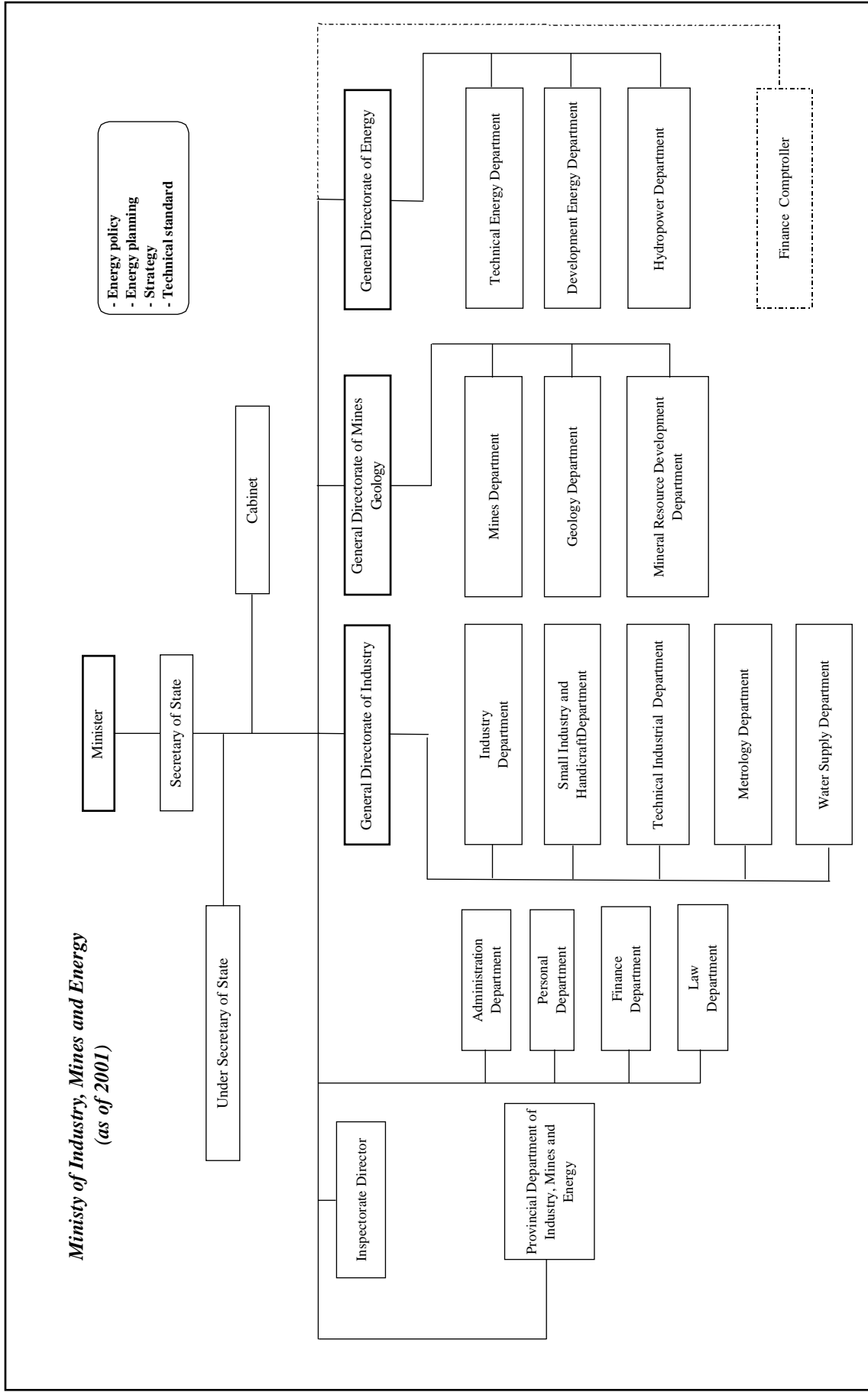
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**Ministry of Industry, Mines and Energy
(as of 2001)**

- Energy policy
- Energy planning
- Strategy
- Technical standard

Electricity Authority of Cambodia (EAC)
(Established in March 2001)



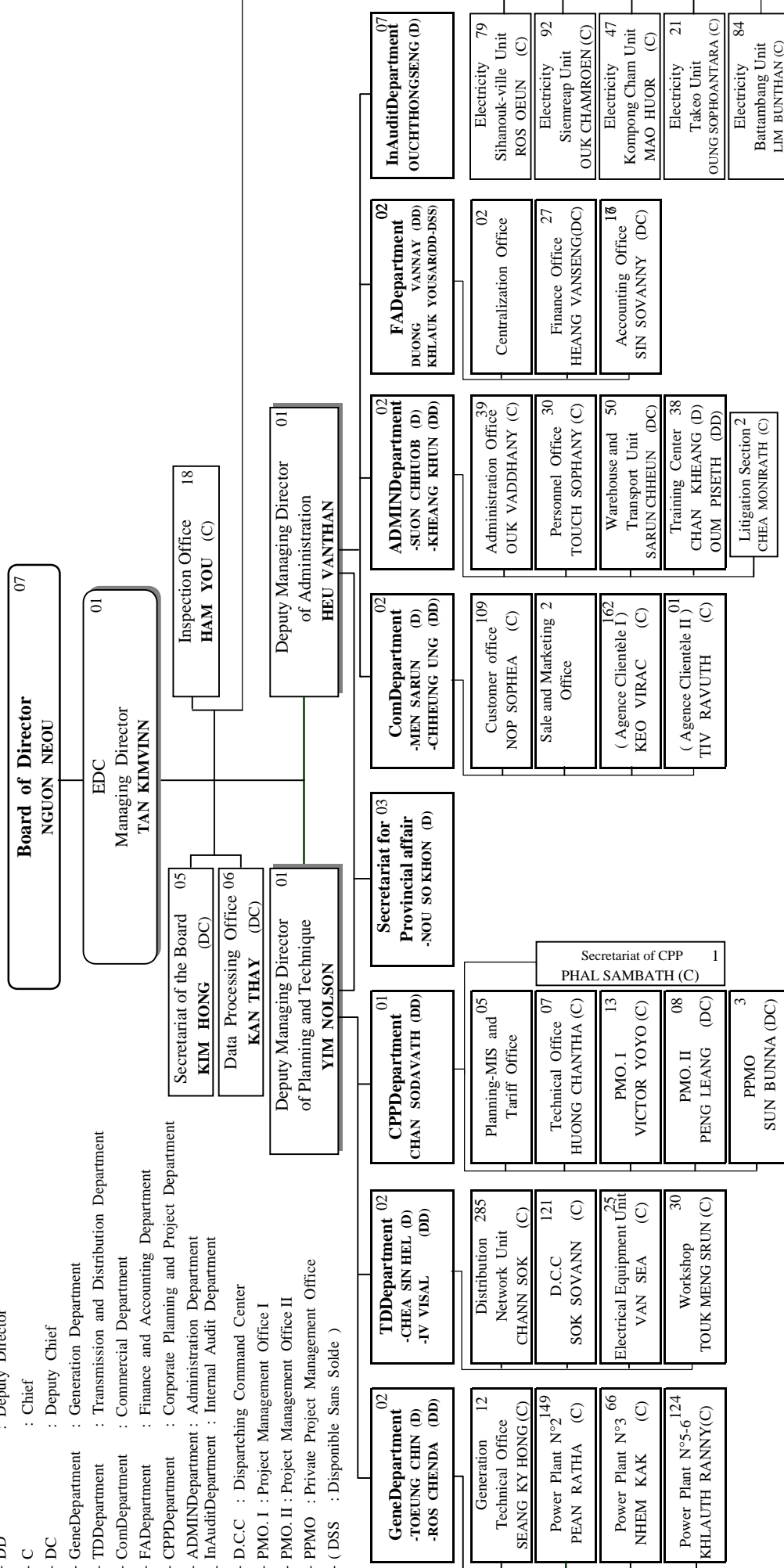
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Attachment 1.1 Organization Chart of MIME and EAC

(Rectified according to decision 1st session meeting on 08-12-2000 and 2nd session meeting on 26-12-2000 of Board of Directors EDC (2nd mandate))

*** ABBREVIATIONS**

- D : Director
- DD : Deputy Director
- C : Chief
- DC : Deputy Chief
- GeneDepartment : Generation Department
- TDDDepartment : Transmission and Distribution Department
- CombDepartment : Commercial Department
- FADDepartment : Finance and Accounting Department
- CPPDepartment : Corporate Planning and Project Department
- ADMINDepartment : Administration Department
- In.AuditDepartment : Internal Audit Department
- D.C.C : Dispatching Command Center
- PMO. I : Project Management Office I
- PMO. II : Project Management Office II
- PPMO : Private Project Management Office
- (DSS : Disposable Sans Solde)



Total : EDC Phnom Penh 1379 p (November 2001)
 Total : EDC Province 323 p (November 2001)
Grand total : 1702 p

Attachment 1.2 Organization Chart of EDC

Attachment 1.3 EDC Operation Status

Installed Capacity	MW	1993	1994	1995	1996	1997	1998	1999	2000
PHN's (Total)		48.64	40.32	50.32	85.32	120.62	77.80	98.20	112.00
EDC's		48.64	40.32	50.32	85.32	85.62	42.80	63.20	62.00
IPP's-I		-	-	-	-	35.00	35.00	35.00	35.00
IPP' (Jupiter)		-	-	-	-	-	-	-	15.00
SHV's		3.76	3.76	3.76	3.76	5.56	10.56	10.00	10.00
SRP's		1.88	1.88	2.16	2.96	2.96	2.96	4.04	4.04
EDC's Private Generator		1.88	1.88	2.16	2.96	2.96	2.96	2.50	2.50
		-	-	-	-	-	-	1.54	1.54
KGC's (Private Generator)		2.66	2.60	2.60	3.30	3.30	3.30	2.03	2.03
Takeo (Private Generator)		0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.12
Total		56.94	48.56	58.84	95.34	132.44	94.62	114.27	129.19
		1993	1994	1995	1996	1997	1998	1999	2000
1. Yearly Energy Generation	GWh								
PHN's (Total)		132.35	132.99	168.80	223.16	286.59	341.51	358.22	380.01
EDC's		132.35	132.99	168.80	223.16	167.74	161.46	146.00	158.47
IPP's-I		-	-	-	-	118.85	180.05	212.22	208.29
IPP' (Jupiter)		-	-	-	-	-	-	-	13.25
SHV's		9.03	9.48	10.91	11.08	11.58	11.50	13.96	14.82
SRP's		2.19	4.55	6.29	7.35	8.25	10.02	9.46	12.16
KGC's		2.80	2.71	3.00	3.40	3.85	4.40	5.13	5.46
Takeo		0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.55
Total		146.37	149.73	189.00	244.99	310.27	367.43	386.77	414.00
2. Yearly Electric Energy Sales	GWh								
PHN's		78.60	82.24	93.81	170.16	218.40	265.74	264.22	320.4
SHV's		5.52	5.89	6.96	7.52	8.04	8.06	9.86	12.72
SRP's		-	2.11	2.78	3.60	4.32	5.13	6.13	10.32
KGC's		1.37	1.36	1.50	2.12	2.58	3.37	3.99	3.99
Takeo		-	-	-	-	-	-	-	1.1
Total		85.49	91.60	105.05	183.40	233.34	282.30	284.20	348.53
3. System Losses of EDC	%								
PHN's		40.6%	38.2%	44.4%	23.7%	23.8%	22.2%	26.2%	15.7%
SHV's		38.9%	37.9%	36.2%	32.1%	30.6%	29.9%	29.4%	14.2%
SRP's		-	53.6%	55.8%	51.0%	47.6%	48.8%	35.2%	15.1%
KGC's		51.1%	49.8%	50.0%	37.6%	33.0%	23.4%	22.2%	26.9%
Takeo		-	-	-	-	-	-	-	29.0%
Total		-	38.8%	44.4%	25.1%	24.8%	23.2%	26.5%	15.8%
4. Fuel Expenses	M.Riel								
PHN's		25,982	23,547	33,686	48,522	37,328	46,806	33,868	49,798
Heavy Fuel Oil		-	-	-	-	-	-	10,046	26,394
Diesel Oil		25,982	23,547	33,686	48,522	37,328	46,806	23,822	23,404
SHV's		-	-	-	-	-	-	-	-
SRP's		-	-	-	-	-	-	-	-
KGC's		-	-	-	-	-	-	-	-
Takeo		-	-	-	-	-	-	-	-
Total		-	-	-	-	-	-	-	-
5. EDC's Energy Sales	GWh								
PHN's		78.62	82.19	93.85	170.27	127.82	125.62	107.75	133.59
Exchange Rate	1US\$=			2,530	2,700	3,120	3,740	3,810	3,900
6. Generation Cost at P/S	(4/1)								
PHN's	Riel/kWh	196.31	177.06	199.56	217.43	222.53	289.89	231.97	314.24
PHN's	USc/kWh	-	-	7.89	8.05	7.13	7.75	6.09	8.06
7. Production Cost at End User	(4/5)								
PHN's	Riel/kWh	330.48	286.49	358.93	284.97	292.04	372.6	314.32	372.77
PHN's	USc/kWh	-	-	14.19	10.55	9.36	9.96	8.25	9.56
8. Purchase Price of IPP's-I									
Energy Purchase (a)	M.Riel	-	-	-	-	33,133	58,061	73,693	-
Energy Purchase (a)	000'US\$	-	-	-	-	15,517	15,517	19,356	22,797
Unit Price (b)=(a)/1. IPP's-I	Riel/kWh	-	-	-	-	278.78	-	-	-
Unit Price in US\$ Expression	USc/kWh	-	-	-	-	8.94	8.62	9.12	10.94
9. Total Customers	Nos.	-	-	7,557	20,758	21,694	49,556	103,162	117,028
Annual Increase	%	-	-		175%	5%	128%	108%	13%

Source: "Electricite du Cambodge 1998", February, 1999, "Electricite du Cambodge 2000", and at EDC November, 2001 for Generation and Sales in 2000.

Note: System loss from 1997 to 2000 are calculation value based on item 1. and 2. above.

The current EDC system was established in Year 1996.

N.A means Not Available.

Attachment 1.4 Statement of Operation for EDC

Statements of Operations for EDC in 1997

(Unit: Riel '000)

	Phnom Penh Operations	Sihanoukville Branch Operation	Siem Reap Branch Operation	Kampong Cham Branch Operation	Total
Turnover	78,890,179	4,700,010	4,015,890	1,707,501	89,313,580
Cost of Sales	74,782,224	3,550,854	3,005,020	1,502,354	82,840,452
Gross Profit /Loss	4,107,955	1,149,156	1,010,870	205,147	6,473,128
Operating Expenses	14,828,501	1,351,381	958,940	164,794	17,303,616
Operating Profit/Loss	-10,720,546	-202,225	51,930	40,353	-10,830,488
Other Income-Net	-2,877,980	-261,736	35,289	-3,842	-3,108,269
Loss before Provision for Minimum Tax	-13,598,526	-463,961	87,219	36,511	-13,938,757
Provision for Minimum Tax	0	18,414	1,624	6,909	26,947
Other Adjustment	-5,229,413	-424,100	148,160	0	-5,505,353
Net Profit/Loss for the Year	-8,369,113	-58,275	-62,565	29,602	-8,460,351

Statements of Operations for EDC in 1998

(Unit: Riel '000)

	Phnom Penh Operations	Sihanoukville Branch Operation	Siem Reap Branch Operation	Kampong Cham Branch Operation	Total
Turnover	103,609,767	6,556,020	6,016,952	2,227,615	118,410,354
Cost of Sales	109,917,640	2,888,303	4,185,054	1,795,743	118,786,740
Gross Profit /Loss	-6,307,873	3,667,717	1,831,898	431,872	-376,386
Operating Expenses	40,538,562	2,339,667	2,136,251	366,759	45,381,239
Operating Profit/Loss	-46,846,435	1,328,050	-304,353	65,113	-45,757,625
Other Income-Net	-2,781,005	-1,492,150	227,846	7,402	-4,037,907
Loss before Provision for Minimum Tax	-49,627,440	-164,100	-76,507	72,515	-49,795,532
Provision for Minimum Tax	988,131	65,535	1,343	10,140	1,065,149
Net Profit/Loss for the Year	-50,615,571	-229,635	-77,850	62,375	-50,860,681

Accumulated Loss at Beginning of Year	-8,369,113	-58,275	-62,565	29,602	-8,460,351
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Accumulated Loss at End of Year	-58,984,684	-287,910	-140,415	91,977	-59,321,032
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Note: Operating Expenses include Provision of Bad Debt (Allowance for doubtful power revenue, which will be collected in FY 2000.)

Statements of Operations for EDC in 1999

(Unit: Riel '000)

	Phnom Penh Operations	Sihanoukville Branch Operation	Siem Reap Branch Operation	Kampong Cham Branch Operation	Total
Turnover	145,739,874	6,453,953	6,584,196	2,783,249	161,561,272
Cost of Sales	131,707,666	5,469,654	4,437,015	2,089,850	143,704,185
Gross Profit /Loss	14,032,208	984,299	2,147,181	693,399	17,857,087
Operating Expenses	13,776,339	2,175,829	2,729,431	542,882	19,224,481
Operating Profit/Loss	255,869	-1,191,530	-582,250	150,517	-1,367,394
Other Income-Net	-2,840,620	472,553	168,184	-26,067	-2,225,950
Loss before Provision for Minimum Tax	-2,584,751	-718,977	-414,066	124,450	-3,593,344
Provision for Minimum Tax	1,508,044	64,539	4,091	4,954	1,581,628
Net Profit/Loss for the Year	-4,092,795	-783,516	-418,157	119,496	-5,174,972

Accumulated Loss at Beginning of Year	-58,984,684	-277,910	-140,415	91,977	-59,311,032
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Accumulated Loss at End of Year	-63,077,479	-1,061,426	-558,572	211,473	-64,486,004
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Note: Cost of Sales includes a) Fuel, b) Energy Purchase, c) Repair & Maintenance and d) Wages & Salaries.

Operating Expenses includes e) Other operation expenses, f) Operating Income, g) Depreciation, and h) Interest payment.

Source: EDC Annual Report 1998, November 1999 and Finance and Accounting Department of EDC in September 2001.

Attachment 1.5 Tariff Structure of EDC (as of November 2001)

I. Phnom Penh Operation (Effective in August 2000)		Existing Power Tariff	
		Riel/kWh	c/kWh (IUS\$=3900 Riel)
Sector			
I. Residential Sector			
	0-50 kWh/month	350	8.97
	51-100 kWh/month	550	14.10
	>100 kWh/month	650	16.67
II. Industrial & Handicraft Sector			
	<45,000 kWh/month	600	15.38
	45,000 - 80,000 kWh/month	550	14.10
	80,000 - 130,000 kWh/month	550	14.10
	>130,000 kWh/month	500	12.82
	Midium Voltage	480	12.31
III. Commercial & Service Sectors			
	<45,000 kWh/month	650	16.67
	45,000 - 80,000 kWh/month	600	15.38
	80,000 - 130,000 kWh/month	600	15.38
	>130,000 kWh/month	500	12.82
	Midium Voltage	480	12.31
IV. Hotels & Guest Houses			
	<45,000 kWh/month	650	16.67
	45,000 - 80,000 kWh/month	600	15.38
	80,000 - 130,000 kWh/month	600	15.38
	>130,000 kWh/month	500	12.82
	Midium Voltage	480	12.31
V. Embassy, Foreigners' Houses, NGO Go		800	20.51
VI. Government Institutions		700	17.95

2. Sihanoukville Operation (Effective in Feb. & Jul. 1999)		Riel/kWh	c/kWh
Sector			
I. Residential Sector		500	12.82
II. Industrial & Handicraft Sector			
	<20,000 kWh/month	670	17.18
	20,000 - 50,000 kWh/month	670/610 a)	17.18 15.64
	50,000 - 110,000 kWh/month	670/560	17.18 14.36
	>110,000 kWh/month	670/513	17.18 13.15
III. Commercial & Service Sector			
	<20,000 kWh/month	740	18.97
	20,000 - 50,000 kWh/month	685	17.56
	50,000 - 110,000 kWh/month	625	16.03
	>110,000 kWh/month	570	14.62
IV. Hotel & Guest Houses			
	<20,000 kWh/month	760	19.49
	20,000 - 50,000 kWh/month	700	17.95
	50,000 - 110,000 kWh/month	650	16.67
	>110,000 kWh/month	610	15.64
V. Houses for Foreigners		740	18.97
VI. Embassy, Government Institutions		760	19.49

Note: a) 670/610 - night/day time

3. Siem Reap Operation (Effective in July 1999)		Riel/kWh	c/kWh
Sector			
Overall Sector			
	<20,000 kWh/month	875	22.44
	20,000 - 50,000 kWh/month	735	18.85
	50,000 - 110,000 kWh/month	670	17.18
	>110,000 kWh/month	620	15.90

4. Kampong Cham Operation		Riel/kWh	c/kWh
Sector			
Flat Rate		850	21.79

Attachment 2.1 Total Demand Forecast

- Base Case -

Year	Energy Generated (GWh)	Growth Rate (%)	Average Load Factor (%)	Peak Generation (MW)	Growth Rate (%)	Remarks
1999	552		61	103		actual
2000	559	1	59	109	6	actual
2001	633	13	58	125	15	forecast
2002	719	14	57	144	15	forecast
2003	798	11	56	163	13	forecast
2004	884	11	55	183	12	forecast
2005	978	11	54	206	13	forecast
2006	1,069	9	53	228	11	forecast
2007	1,187	11	53	258	13	forecast
2008	1,303	10	52	288	12	forecast
2009	1,441	11	51	324	13	forecast
2010	1,588	10	50	363	12	forecast
2011	1,747	10	49	407	12	forecast
2012	1,901	9	48	451	11	forecast
2013	2,082	10	47	503	12	forecast
2014	2,279	9	46	561	12	forecast
2015	2,492	9	46	625	11	forecast
2016	2,722	9	45	696	11	forecast

**Attachment 2.2 (1/4) Development Program until 2016 for Cambodia System
(Base Case)**

Year	Name of Project	Installed Capacity (Units x MW)	Additional Capacity (MW)	Supply Capacity (MW)	Demand (MW)	Margin	Reserve Margin (%)	LOLP	Remarks
2000	Total			110.2	70.0	40.2	57.43%	12	
	Existing			95.2					
	Hydro								
	Thermal			15.0					
	Temporary IPP	1 x 15.0	15.0						
2001	Total			110.2	80.3	29.9	37.24%	59	
	Existing			110.2					
	Hydro								
	Thermal								
2002	Total			110.2	94.8	15.4	16.24%	218	
	Existing			110.2					
	Hydro								
	Thermal								
2003	Total			122.2	107.6	14.6	13.57%	277	
	Existing			110.2					
	Hydro			12.0					
	Kirirom	1 x 12.0	12.0						
2004	Total			187.2	130.6	56.6	43.34%	0	
	Existing			122.2					
	Hydro								
	Thermal			-15.0					
	Temporary IPP	-1 x 15.0	-15.0						
Import			80.0						
2005	Total			165.0	147.0	18.0	12.24%	51	
	Existing			187.2					
	Hydro								
	Thermal			-22.2					
	Diesel	-1 x 22.2	-22.2						
2006	Total			255.0	168.2	86.8	51.61%	10	
	Existing			165.0					
	Hydro								
	Thermal			90.0					
	Sihanoukville	1 x 90.0	90.0						
2007	Total			245.0	191.2	53.8	28.14%	59	
	Existing			255.0					
	Hydro								
	Thermal			-10.0					
	Diesel	-1 x 10.0	-10.0						
2008	Total			335.0	213.6	121.4	56.84%	8	
	Existing			245.0					
	Hydro								
	Thermal			90.0					
	Sihanoukville	1 x 90.0	90.0						

Attachment 2.3 (1/2) Generated Energy Forecast GWh until 2016 for Cambodia(Base Case)

		2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	
Energy Demand(GWh)		379	433	508	569	668	742	831	927	1,021	1,190	1,311	1,442	1,619	1,775	1,943	2,135	2,586	
Thermal Generation(GWh)		379	432	506	513	482	399	731	800	953	1,094	1,186	1,270	1,369	1,079	1,199	890	680	
Hydro Generation(GWh)		0	0	0	53	53	53	53	53	53	53	53	53	53	641	641	1,199	1,867	
Import from Vietnam(GWh)		0	0	0	0	133	289	47	73	14	42	71	120	196	55	103	46	39	
Emergency Energy(GWh)		0	0	2	3	0	0	0	1	0	1	0	0	1	0	0	0	0	
Thermal Unit	C2	36 (23%)	52 (33%)	75 (48%)	77 (49%)	85 (54%)													
	C3	3 (2%)	6 (5%)	13 (11%)	15 (12%)	1 (1%)	4 (5%)	1 (1%)											
	C5	1 (1%)	2 (2%)	5 (5%)	6 (6%)	0 (0%)	3 (4%)	0 (0%)	1 (2%)	0 (0%)	1 (1%)	1 (1%)	0 (0%)	0 (0%)	1 (1%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)
	C6	76 (48%)	93 (59%)	114 (72%)	115 (73%)	130 (82%)	126 (80%)	33 (21%)	45 (28%)	10 (6%)	19 (12%)	27 (17%)	38 (24%)	54 (34%)	20 (13%)	30 (19%)	0 (0%)	0 (0%)	0 (0%)
	IPP-1	254 (83%)	262 (85%)	266 (87%)	266 (87%)	267 (87%)	266 (87%)	140 (46%)	163 (53%)	62 (20%)	85 (28%)	105 (34%)	126 (41%)	155 (51%)	83 (27%)	109 (36%)	59 (19%)	43 (14%)	
	Temporary IPP	10 (7%)	18 (13%)	33 (25%)	35 (26%)														
Hydro Unit	Sihanoukville							557 (71%)	591 (75%)	881 (56%)	990 (63%)	1,054 (67%)	1,105 (70%)	1,159 (74%)	976 (62%)	1,059 (67%)	831 (53%)	637 (40%)	
	Kirirom				53 (50%)	53 (50%)	53 (50%)	53 (50%)	53 (50%)	53 (50%)	53 (50%)	53 (50%)	53 (50%)	53 (50%)	53 (50%)	53 (50%)	53 (50%)	53 (50%)	53 (50%)
	Kamchay																558 (50%)	558 (50%)	
	Stung Atay																588 (61%)	588 (61%)	
	St. Russei Chrum																	668 (61%)	
	Battambang 1&2																		
Import						133 (19%)	289 (41%)	47 (7%)	73 (10%)	14 (2%)	42 (6%)	71 (4%)	120 (7%)	196 (11%)	55 (3%)	103 (6%)	46 (3%)	39 (2%)	

Upper : Generation (GWh)
Lower : Capacity Factor (%)

Attachment 2.3 (2/2) Generated Energy Forecast GWh until 2016 for Cambodia(Low Case)

		2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	
Energy Demand(GWh)		379	428	496	550	639	704	781	862	941	1,087	1,186	1,294	1,440	1,565	1,698	1,850	2,223	
Thermal Generation(GWh)		379	427	494	495	472	392	691	754	810	1,012	1,090	1,172	1,266	1,334	1,015	1,107	952	
Hydro Generation(GWh)		0	0	0	53	53	53	53	53	53	53	53	53	53	53	641	641	1,199	
Import from Vietnam(GWh)		0	0	0	0	115	259	37	55	77	22	42	69	122	178	43	103	72	
Emergency Energy(GWh)		0	0	2	2	0	0	0	0	1	0	1	0	0	1	0	0	0	
Thermal Unit	C2	36 (23%)	51 (32%)	72 (45%)	71 (45%)	79 (50%)													
	C3	3 (2%)	5 (4%)	12 (9%)	13 (10%)	1 (0%)	3 (3%)	0 (0%)											
	C5	1 (1%)	1 (2%)	4 (4%)	5 (5%)	0 (0%)	2 (3%)	0 (0%)	1 (1%)	2 (2%)	0 (0%)	0 (0%)	1 (1%)	0 (0%)	0 (0%)	1 (1%)	0 (0%)	0 (0%)	0 (0%)
	C6	76 (48%)	91 (58%)	111 (70%)	110 (70%)	126 (80%)	120 (76%)	28 (17%)	37 (23%)	46 (29%)	13 (8%)	19 (12%)	26 (16%)	38 (24%)	49 (31%)	17 (11%)	17 (11%)	0 (0%)	0 (0%)
	IPP-1	254 (83%)	262 (85%)	266 (87%)	266 (87%)	267 (87%)	266 (87%)	129 (42%)	147 (48%)	167 (54%)	74 (24%)	84 (28%)	102 (33%)	125 (41%)	146 (48%)	71 (23%)	96 (31%)	70 (23%)	70 (23%)
	Temporary IPP	10 (7%)	17 (13%)	30 (23%)	30 (23%)														
Hydro Unit	Sihanoukville						534 (68%)	53 (50%)	569 (72%)	595 (76%)	925 (59%)	986 (63%)	1,044 (66%)	1,103 (70%)	1,138 (72%)	927 (59%)	1,011 (64%)	883 (56%)	
	Kirirom				53 (50%)	53 (50%)	53 (50%)	53 (50%)	53 (50%)	53 (50%)	53 (50%)	53 (50%)	53 (50%)	53 (50%)	53 (50%)	53 (50%)	53 (50%)	53 (50%)	
	Kamchay																	558 (50%)	
	Stung Atay																588 (61%)	588 (61%)	
	St. Russei Chrum																		
	Battambang 1&2																		
Import						115 (16%)	259 (37%)	37 (5%)	55 (8%)	77 (11%)	22 (3%)	42 (6%)	69 (4%)	122 (7%)	178 (10%)	43 (2%)	103 (6%)	72 (4%)	

Upper : Generation (GWh)
Lower : Capacity Factor (%)

Attachment 3.4 (1/4) Finance Planning for Stage 1 for Case No. 1000

No.	1000	(Unit: Million US\$)									
	Cost as of 2001	Annual Escalation	Construction Period								
			2001	2002	2003	2004	2005	2006	2007	2008	Total
A. Stage-1											
A-1. Foreign Currency Portion	92.3		0.0	0.0	0.0	22.8	51.9	26.9	0.0	0.0	101.6
Land Acquisition and Compensation	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mechanical Works	44.3		0.0	0.0	0.0	9.5	24.4	15.0	0.0	0.0	48.9
Electrical Works	19.3		0.0	0.0	0.0	6.2	12.7	2.2	0.0	0.0	21.1
Civil and Structural Works	8.9	2.4%	0.0	0.0	0.0	2.9	3.9	3.0	0.0	0.0	9.8
Spare Parts and Others	6.7		0.0	0.0	0.0	1.4	3.7	2.3	0.0	0.0	7.4
Consultant Services inc. Training	4.5		0.0	0.0	0.0	1.0	2.5	1.5	0.0	0.0	5.0
Owner's Administration Fee	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Associated Transmission Line	8.6		0.0	0.0	0.0	1.8	4.7	2.9	0.0	0.0	9.4
A-2. Local Currency Portion	18.8		0.0	0.0	0.0	5.1	9.5	6.0	0.0	0.0	20.6
Land Acquisition and Compensation	1.0		0.0	0.0	0.0	0.2	0.6	0.3	0.0	0.0	1.1
Mechanical Works	3.3		0.0	0.0	0.0	0.7	1.8	1.1	0.0	0.0	3.6
Electrical Works	1.2		0.0	0.0	0.0	0.4	0.8	0.1	0.0	0.0	1.3
Civil and Structural Works	8.5	2.4%	0.0	0.0	0.0	2.7	3.7	2.9	0.0	0.0	9.3
Spare Parts and Others	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Consultant Services inc. Training	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Owner's Administration Fee	2.6		0.0	0.0	0.0	0.6	1.4	0.9	0.0	0.0	2.9
Associated Transmission Line	2.2		0.0	0.0	0.0	0.5	1.2	0.7	0.0	0.0	2.4
Grand Total excluding Taxes and Duties	111.1		0.0	0.0	0.0	27.9	61.4	32.9	0.0	0.0	122.2
A-3. Import Duties											
Mechanical Works	48.9	15.0%	0.0	0.0	0.0	1.4	3.7	2.3	0.0	0.0	7.4
Electrical Works	21.1	15.0%	0.0	0.0	0.0	0.9	1.9	0.3	0.0	0.0	3.1
Civil and Structural Works	9.8	10.0%	0.0	0.0	0.0	0.3	0.4	0.3	0.0	0.0	1.0
Spare Parts and Others	7.4	10.0%	0.0	0.0	0.0	0.1	0.4	0.2	0.0	0.0	0.7
Associated Transmission Line	9.4	13.0%	0.0	0.0	0.0	0.2	0.6	0.4	0.0	0.0	1.2
Subtotal	96.6		0.0	0.0	0.0	2.9	7.0	3.5	0.0	0.0	13.4
A-4. Value Added Tax											
F/C portion excluding Consultant Services	96.6	10%	0.0	0.0	0.0	2.2	4.9	2.5	0.0	0.0	9.6
L/C portion excluding Land and Admini.	16.6	10%	0.0	0.0	0.0	0.4	0.8	0.5	0.0	0.0	1.7
Subtotal	113.2		0.0	0.0	0.0	2.6	5.7	3.0	0.0	0.0	11.3
A-5. Total Project Cost excluding IDC											
F/C Portion											
(1) Procurement and Construction	101.6		0.0	0.0	0.0	22.8	51.9	26.9	0.0	0.0	101.6
L/C Portion											
(1) Procurement and Construction	20.6		0.0	0.0	0.0	5.1	9.5	6.0	0.0	0.0	20.6
(2) Import Duties	13.4		0.0	0.0	0.0	2.9	7.0	3.5	0.0	0.0	13.4
(3) Value Added Tax	11.3		0.0	0.0	0.0	2.6	5.7	3.0	0.0	0.0	11.3
Subtotal	146.9		0.0	0.0	0.0	33.4	74.1	39.4	0.0	0.0	146.9
A-6. Official Finance Source - A (Full of F/C Portion)											
(1) Construction Cost share (%)											
Own Finance by RGC (L/C + Taxes)			0.0	0.0	0.0	10.6	22.2	12.5	0.0	0.0	45.3
Source - A Loan (Full F/C Portion)			0.0	0.0	0.0	22.8	51.9	26.9	0.0	0.0	101.6
Source - A Loan Cumulative			0.0	0.0	0.0	22.8	74.7	101.6	101.6	101.6	
(2) Financing Cost (Source - A - MEF)											
IDC to be paid by RGC	1.0%		0.0	0.0	0.0	0.1	0.5	0.9	0.0	0.0	1.5
Disbursement Fee	0.1%		0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1
Front End Fee	0.0%										
(3) Finance Arrangement											
Own Finance by RGC inc. IDC	31.6%		0.0	0.0	0.0	10.7	22.8	13.4	0.0	0.0	46.9
Source - A Loan	68.4%		0.0	0.0	0.0	22.8	51.9	26.9	0.0	0.0	101.6
Total Investment	100.0%		0.0	0.0	0.0	33.5	74.7	40.3	0.0	0.0	148.5
A-7. Official Finance Source - A (Max 85%)											
(1) Construction Cost share (%)											
Own Finance by RGC (Share + Taxes)	0.0%		0.0	0.0	0.0	5.5	12.7	6.5	0.0	0.0	24.7
Source - A Loan	100.0%		0.0	0.0	0.0	27.9	61.4	32.9	0.0	0.0	122.2
Source - A Loan Cumulative			0.0	0.0	0.0	27.9	89.3	122.2	122.2	122.2	
(2) Financing Cost (Source - A - MEF)											
IDC to be paid by RGC	1.0%		0.0	0.0	0.0	0.1	0.6	1.1	0.0	0.0	1.8
Disbursement Fee	0.1%		0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1
Front End Fee/ Top Front Fee	0.0%										
(3) Finance Arrangement											
Own Finance by RGC inc. IDC	17.9%		0.0	0.0	0.0	5.6	13.4	7.6	0.0	0.0	26.6
Finance Source - A Loan	82.1%		0.0	0.0	0.0	27.9	61.4	32.9	0.0	0.0	122.2
Total Investment	100.0%		0.0	0.0	0.0	33.5	74.8	40.5	0.0	0.0	148.8
A-8. Subsidiary Loan Arrangement											
S.- A + MEF less IDC+ Disbursement Fee	146.9		0.0	0.0	0.0	33.4	74.1	39.4	0.0	0.0	146.9
Cumulative of Total Loan			0.0	0.0	0.0	33.4	107.5	146.9	146.9	146.9	
IDC to be paid by EDC	3.5%		0.0	0.0	0.0	0.6	2.5	4.5	0.0	0.0	7.6
A-9. Total Project Cost and Financing	154.5	100.0%	0.0	0.0	0.0	34.0	76.6	43.9	0.0	0.0	154.5
Source - A Loan	122.2	79.1%	0.0	0.0	0.0	27.9	61.4	32.9	0.0	0.0	122.2
Relent by MEF to EDC	24.7	16.0%	0.0	0.0	0.0	5.5	12.7	6.5	0.0	0.0	24.7
EDC	7.6	4.9%	0.0	0.0	0.0	0.6	2.5	4.5	0.0	0.0	7.6

Attachment 3.4 (2/4) Finance Planning for Stage 2 for Case No. 1000

No.	1000		(Unit: Million US\$)								
	Cost as of 2001	Annual Escalation	Construction Period								
			2001	2002	2003	2004	2005	2006	2007	2008	Total
B. Stage-2											
B-1. Foreign Currency Portion											
	65.4		0.0	0.0	0.0	0.0	0.0	16.5	39.3	19.7	75.5
Land Acquisition and Compensation	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mechanical Works	41.1		0.0	0.0	0.0	0.0	0.0	9.3	23.7	14.6	47.6
Electrical Works	14.6		0.0	0.0	0.0	0.0	0.0	4.6	10.4	1.7	16.7
Civil and Structural Works	4.1	2.4%	0.0	0.0	0.0	0.0	0.0	1.4	1.9	1.5	4.8
Spare Parts and Others	3.5		0.0	0.0	0.0	0.0	0.0	0.7	2.1	1.2	4.0
Consultant Services inc. Training	2.1		0.0	0.0	0.0	0.0	0.0	0.5	1.2	0.7	2.4
Owner's Administration Fee	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Associated Transmission Line	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
B-2. Local Currency Portion											
	9.2		0.0	0.0	0.0	0.0	0.0	2.7	4.8	3.1	10.6
Land Acquisition and Compensation	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mechanical Works	3.1		0.0	0.0	0.0	0.0	0.0	0.7	1.8	1.1	3.6
Electrical Works	0.9		0.0	0.0	0.0	0.0	0.0	0.3	0.6	0.1	1.0
Civil and Structural Works	3.9	2.4%	0.0	0.0	0.0	0.0	0.0	1.4	1.7	1.4	4.5
Spare Parts and Others	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Consultant Services inc. Training	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Owner's Administration Fee	1.3		0.0	0.0	0.0	0.0	0.0	0.3	0.7	0.5	1.5
Associated Transmission Line	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Grand Total excluding Taxes and Duties											
	74.6		0.0	0.0	0.0	0.0	0.0	19.2	44.1	22.8	86.1
B-3. Import Duties											
Mechanical Works	47.6	15.0%	0.0	0.0	0.0	0.0	0.0	1.4	3.6	2.2	7.2
Electrical Works	16.7	15.0%	0.0	0.0	0.0	0.0	0.0	0.7	1.6	0.3	2.6
Civil and Structural Works	4.8	10.0%	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.2	0.5
Spare Parts and Others	4.0	10.0%	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.1	0.4
Associated Transmission Line	0.0	13.0%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Subtotal											
	73.1		0.0	0.0	0.0	0.0	0.0	2.3	5.6	2.8	10.7
B-4. Value Added Tax											
F/C portion excluding Consultant Services	73.1	10%	0.0	0.0	0.0	0.0	0.0	1.6	3.8	1.9	7.3
L/C portion excluding Land and Admini.	9.1	10%	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.3	0.9
Subtotal											
	82.2		0.0	0.0	0.0	0.0	0.0	1.8	4.2	2.2	8.2
B-5. Total Project Cost excluding IDC											
F/C Portion											
(1) Procurement and Construction	75.5		0.0	0.0	0.0	0.0	0.0	16.5	39.3	19.7	75.5
L/C Portion											
(1) Procurement and Construction	10.6		0.0	0.0	0.0	0.0	0.0	2.7	4.8	3.1	10.6
(2) Import Duties	10.7		0.0	0.0	0.0	0.0	0.0	2.3	5.6	2.8	10.7
(3) Value Added Tax	8.2		0.0	0.0	0.0	0.0	0.0	1.8	4.2	2.2	8.2
Subtotal											
	105.0		0.0	0.0	0.0	0.0	0.0	23.3	53.9	27.8	105.0
B-6. Official Finance Source - A (Full of F/C Portion)											
(1) Construction Cost share (%)											
Own Finance by RGC (L/C + Taxes)			0.0	0.0	0.0	0.0	0.0	6.8	14.6	8.1	29.5
Source - A Loan (Full F/C Portion)			0.0	0.0	0.0	0.0	0.0	16.5	39.3	19.7	75.5
Source - A Loan Cumulative			0.0	0.0	0.0	0.0	0.0	16.5	55.8	75.5	
(2) Financing Cost (Source - A - MEF)											
IDC to be paid by RGC	1.0%		0.0	0.0	0.0	0.0	0.0	0.1	0.4	0.7	1.1
Disbursement Fee	0.1%		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Front End Fee	0.0%										
(3) Finance Arrangement											
Own Finance by RGC inc. IDC	29.0%		0.0	0.0	0.0	0.0	0.0	6.9	15.0	8.8	30.6
Source - A Loan	71.0%		0.0	0.0	0.0	0.0	0.0	16.5	39.3	19.7	75.5
Total Investment											
	100.0%		0.0	0.0	0.0	0.0	0.0	23.4	54.3	28.5	106.1
B-7. Official Finance Source - A (Max 85%)											
(1) Construction Cost share (%)											
Own Finance by RGC (Share + Taxes)	0.0%		0.0	0.0	0.0	0.0	0.0	4.1	9.8	5.0	18.9
Source - A Loan	100.0%		0.0	0.0	0.0	0.0	0.0	19.2	44.1	22.8	86.1
Source - A Loan Cumulative			0.0	0.0	0.0	0.0	0.0	19.2	63.3	86.1	
(2) Financing Cost (Source - A - MEF)											
IDC to be paid by RGC	1.0%		0.0	0.0	0.0	0.0	0.0	0.1	0.4	0.8	1.3
Commitment Fee	0.1%		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Front End Fee/ Top Front Fee	0.0%										
(3) Finance Arrangement											
Own Finance by RGC inc. IDC	19.0%		0.0	0.0	0.0	0.0	0.0	4.2	10.2	5.8	20.2
Finance Source - A Loan	81.0%		0.0	0.0	0.0	0.0	0.0	19.2	44.1	22.8	86.1
Total Investment											
	100.0%		0.0	0.0	0.0	0.0	0.0	23.4	54.3	28.6	106.3
B-8. Subsidiary Loan Arrangement											
S.-A + MEF less IDC + Disbursement Fee	105.0		0.0	0.0	0.0	0.0	0.0	23.3	53.9	27.8	105.0
Cumulative of Total Loan			0.0	0.0	0.0	0.0	0.0	23.3	77.2	105.0	
IDC to be paid by EDC	3.5%		0.0	0.0	0.0	0.0	0.0	0.4	1.8	3.2	5.4
B-9. Total Project Cost and Financing											
Source - A Loan	86.1	78.0%	0.0	0.0	0.0	0.0	0.0	19.2	44.1	22.8	86.1
Relent by MEF to EDC	18.9	17.1%	0.0	0.0	0.0	0.0	0.0	4.1	9.8	5.0	18.9
EDC	5.4	4.9%	0.0	0.0	0.0	0.0	0.0	0.4	1.8	3.2	5.4

Attachment 3.5 (1/4) Finance Planning for Stage 1 for Case No. 2000

No.	2000	(Unit: Million US\$)									
A. Stage-1	Cost as of 2001	Annual Escalation	Construction Period								
			2001	2002	2003	2004	2005	2006	2007	2008	Total
A-1. Foreign Currency Portion	92.3		0.0	0.0	0.0	22.8	51.9	26.9	0.0	0.0	101.6
Land Acquisition and Compensation	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mechanical Works	44.3		0.0	0.0	0.0	9.5	24.4	15.0	0.0	0.0	48.9
Electrical Works	19.3		0.0	0.0	0.0	6.2	12.7	2.2	0.0	0.0	21.1
Civil and Structural Works	8.9	2.4%	0.0	0.0	0.0	2.9	3.9	3.0	0.0	0.0	9.8
Spare Parts and Others	6.7		0.0	0.0	0.0	1.4	3.7	2.3	0.0	0.0	7.4
Consultant Services inc. Training	4.5		0.0	0.0	0.0	1.0	2.5	1.5	0.0	0.0	5.0
Owner's Administration Fee	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Associated Transmission Line	8.6		0.0	0.0	0.0	1.8	4.7	2.9	0.0	0.0	9.4
A-2. Local Currency Portion	18.8		0.0	0.0	0.0	5.1	9.5	6.0	0.0	0.0	20.6
Land Acquisition and Compensation	1.0		0.0	0.0	0.0	0.2	0.6	0.3	0.0	0.0	1.1
Mechanical Works	3.3		0.0	0.0	0.0	0.7	1.8	1.1	0.0	0.0	3.6
Electrical Works	1.2		0.0	0.0	0.0	0.4	0.8	0.1	0.0	0.0	1.3
Civil and Structural Works	8.5	2.4%	0.0	0.0	0.0	2.7	3.7	2.9	0.0	0.0	9.3
Spare Parts and Others	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Consultant Services inc. Training	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Owner's Administration Fee	2.6		0.0	0.0	0.0	0.6	1.4	0.9	0.0	0.0	2.9
Associated Transmission Line	2.2		0.0	0.0	0.0	0.5	1.2	0.7	0.0	0.0	2.4
Grand Total excluding Taxes and Duties	111.1		0.0	0.0	0.0	27.9	61.4	32.9	0.0	0.0	122.2
A-3. Import Duties											
Mechanical Works	48.9	15.0%	0.0	0.0	0.0	1.4	3.7	2.3	0.0	0.0	7.4
Electrical Works	21.1	15.0%	0.0	0.0	0.0	0.9	1.9	0.3	0.0	0.0	3.1
Civil and Structural Works	9.8	10.0%	0.0	0.0	0.0	0.3	0.4	0.3	0.0	0.0	1.0
Spare Parts and Others	7.4	10.0%	0.0	0.0	0.0	0.1	0.4	0.2	0.0	0.0	0.7
Associated Transmission Line	9.4	13.0%	0.0	0.0	0.0	0.2	0.6	0.4	0.0	0.0	1.2
Subtotal	96.6		0.0	0.0	0.0	2.9	7.0	3.5	0.0	0.0	13.4
A-4. Value Added Tax											
F/C portion excluding Consultant Service	96.6	10%	0.0	0.0	0.0	2.2	4.9	2.5	0.0	0.0	9.6
L/C portion excluding Land and Admini.	16.6	10%	0.0	0.0	0.0	0.4	0.8	0.5	0.0	0.0	1.7
Subtotal	113.2		0.0	0.0	0.0	2.6	5.7	3.0	0.0	0.0	11.3
A-5. Total Project Cost excluding IDC											
F/C Portion											
(1) Procurement and Construction	101.6		0.0	0.0	0.0	22.8	51.9	26.9	0.0	0.0	101.6
L/C Portion											
(1) Procurement and Construction	20.6		0.0	0.0	0.0	5.1	9.5	6.0	0.0	0.0	20.6
(2) Import Duties	13.4		0.0	0.0	0.0	2.9	7.0	3.5	0.0	0.0	13.4
(3) Value Added Tax	11.3		0.0	0.0	0.0	2.6	5.7	3.0	0.0	0.0	11.3
Subtotal	146.9		0.0	0.0	0.0	33.4	74.1	39.4	0.0	0.0	146.9
A-6. Official Finance Source - B (Full of F/C Portion)											
(1) Construction Cost		share (%)									
Own Finance by RGC (L/C + Taxes)			0.0	0.0	0.0	10.6	22.2	12.5	0.0	0.0	45.3
Source - B Loan (Full F/C Portion)			0.0	0.0	0.0	22.8	51.9	26.9	0.0	0.0	101.6
Source - B Loan Cumulative			0.0	0.0	0.0	22.8	74.7	101.6	101.6	101.6	
(2) Financing Cost (Source - B - MEF)											
IDC to be paid by RGC	1.0%		0.0	0.0	0.0	0.1	0.5	0.9	0.0	0.0	1.5
Disbursement Fee	0.0%		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Front End Fee	0.0%										
(3) Finance Arrangement											
Own Finance by RGC exc. IDC	30.5%		0.0	0.0	0.0	10.6	22.2	12.5	0.0	0.0	45.3
Source - B Loan inc. IDC	69.5%		0.0	0.0	0.0	22.9	52.4	27.8	0.0	0.0	103.1
Total Investment	100.0%		0.0	0.0	0.0	33.5	74.6	40.3	0.0	0.0	148.4
A-7. Finance Source - B (Max 90%)											
(1) Construction Cost		share (%)									
Own Finance by RGC (Share + Taxes)	0.0%		0.0	0.0	0.0	5.5	12.7	6.5	0.0	0.0	24.7
Source - B Loan	100.0%		0.0	0.0	0.0	27.9	61.4	32.9	0.0	0.0	122.2
Source - B Loan Cumulative			0.0	0.0	0.0	27.9	89.3	122.2	122.2	122.2	
(2) Financing Cost (Source - B - MEF)											
IDC to be paid by RGC	1.0%		0.0	0.0	0.0	0.1	0.6	1.1	0.0	0.0	1.8
Disbursement Fee	0.0%		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Front End Fee/ Top Front Fee	0.0%										
(3) Finance Arrangement											
Own Finance by RGC exc. IDC	16.6%		0.0	0.0	0.0	5.5	12.7	6.5	0.0	0.0	24.7
Source - B Loan inc. IDC	83.4%		0.0	0.0	0.0	28.0	62.0	34.0	0.0	0.0	124.0
Total Investment	100.0%		0.0	0.0	0.0	33.5	74.7	40.5	0.0	0.0	148.7
A-8. Subsidiary Loan Arrangement											
Source - B Loan + MEF	148.7		0.0	0.0	0.0	33.5	74.7	40.5	0.0	0.0	148.7
Cumulative of Total Loan			0.0	0.0	0.0	33.5	108.2	148.7	148.7	148.7	
IDC to be paid by EDC	3.5%		0.0	0.0	0.0	0.6	2.5	4.5	0.0	0.0	7.6
A-9. Total Project Cost and Financing	156.3	100.0%	0.0	0.0	0.0	34.1	77.2	45.0	0.0	0.0	156.3
Source - B Loan inc. IDC by RGC	124.0	79.3%	0.0	0.0	0.0	28.0	62.0	34.0	0.0	0.0	124.0
Relent by MEF to EDC	24.7	15.8%	0.0	0.0	0.0	5.5	12.7	6.5	0.0	0.0	24.7
EDC	7.6	4.9%	0.0	0.0	0.0	0.6	2.5	4.5	0.0	0.0	7.6

Attachment 3.5 (2/4) Finance Planning for Stage 2 for Case No. 2000

No.		2000		(Unit: Million US\$)								
B. Stage-2	Cost as of 2001	Annual Escalation	Construction Period									
			2001	2002	2003	2004	2005	2006	2007	2008	Total	
B-1. Foreign Currency Portion	65.4		0.0	0.0	0.0	0.0	0.0	0.0	16.5	39.3	19.7	75.5
Land Acquisition and Compensation	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mechanical Works	41.1		0.0	0.0	0.0	0.0	0.0	0.0	9.3	23.7	14.6	47.6
Electrical Works	14.6		0.0	0.0	0.0	0.0	0.0	0.0	4.6	10.4	1.7	16.7
Civil and Structural Works	4.1	2.4%	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.9	1.5	4.8
Spare Parts and Others	3.5		0.0	0.0	0.0	0.0	0.0	0.0	0.7	2.1	1.2	4.0
Consultant Services inc. Training	2.1		0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.2	0.7	2.4
Owner's Administration Fee	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Associated Transmission Line	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
B-2. Local Currency Portion	9.2		0.0	0.0	0.0	0.0	0.0	0.0	2.7	4.8	3.1	10.6
Land Acquisition and Compensation	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mechanical Works	3.1		0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.8	1.1	3.6
Electrical Works	0.9		0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.6	0.1	1.0
Civil and Structural Works	3.9	2.4%	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.7	1.4	4.5
Spare Parts and Others	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Consultant Services inc. Training	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Owner's Administration Fee	1.3		0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.7	0.5	1.5
Associated Transmission Line	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Grand Total excluding Taxes and Duties	74.6		0.0	0.0	0.0	0.0	0.0	0.0	19.2	44.1	22.8	86.1
B-3. Import Duties												
Mechanical Works	47.6	15.0%	0.0	0.0	0.0	0.0	0.0	0.0	1.4	3.6	2.2	7.2
Electrical Works	16.7	15.0%	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.6	0.3	2.6
Civil and Structural Works	4.8	10.0%	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.2	0.5
Spare Parts and Others	4.0	10.0%	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.1	0.4
Associated Transmission Line	0.0	13.0%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Subtotal	73.1		0.0	0.0	0.0	0.0	0.0	0.0	2.3	5.6	2.8	10.7
B-4. Value Added Tax												
F/C portion excluding Consultant Service	73.1	10%	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.8	1.9	7.3
L/C portion excluding Land and Admini.	9.1	10%	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.3	0.9
Subtotal	82.2		0.0	0.0	0.0	0.0	0.0	0.0	1.8	4.2	2.2	8.2
B-5. Total Project Cost excluding IDC												
F/C Portion												
(1) Procurement and Construction	75.5		0.0	0.0	0.0	0.0	0.0	0.0	16.5	39.3	19.7	75.5
L/C Portion												
(1) Procurement and Construction	10.6		0.0	0.0	0.0	0.0	0.0	0.0	2.7	4.8	3.1	10.6
(2) Import Duties	10.7		0.0	0.0	0.0	0.0	0.0	0.0	2.3	5.6	2.8	10.7
(3) Value Added Tax	8.2		0.0	0.0	0.0	0.0	0.0	0.0	1.8	4.2	2.2	8.2
Subtotal	105.0		0.0	0.0	0.0	0.0	0.0	0.0	23.3	53.9	27.8	105.0
B-6. Finance Source - B (Full of F/C Portion)												
(1) Construction Cost		share (%)										
Own Finance by RGC (L/C + Taxes)			0.0	0.0	0.0	0.0	0.0	0.0	6.8	14.6	8.1	29.5
Source - B Loan (Full F/C Portion)			0.0	0.0	0.0	0.0	0.0	0.0	16.5	39.3	19.7	75.5
Source - B Loan Cumulative			0.0	0.0	0.0	0.0	0.0	0.0	16.5	55.8	75.5	
(2) Financing Cost (Source - B - MEF)												
IDC to be paid by RGC	1.0%		0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.4	0.7	1.1
Disbursement Fee	0.0%		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Front End Fee	0.0%											
(3) Finance Arrangement												
Own Finance by RGC exc. IDC	28.0%		0.0	0.0	0.0	0.0	0.0	0.0	6.8	14.6	8.1	29.5
Source - B Loan inc. IDC	72.0%		0.0	0.0	0.0	0.0	0.0	0.0	16.6	39.7	20.4	76.6
Total Investment	100.0%		0.0	0.0	0.0	0.0	0.0	0.0	23.4	54.3	28.5	106.1
B-7. Finance Source - B (Max 90 %)												
(1) Construction Cost		share (%)										
Own Finance by RGC (Share + Taxes)	0.0%		0.0	0.0	0.0	0.0	0.0	0.0	4.1	9.8	5.0	18.9
Source - B Loan	100.0%		0.0	0.0	0.0	0.0	0.0	0.0	19.2	44.1	22.8	86.1
Source - B Loan Cumulative			0.0	0.0	0.0	0.0	0.0	0.0	19.2	63.3	86.1	
(2) Financing Cost (Source - B - MEF)												
IDC to be paid by RGC	1.0%		0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.4	0.8	1.3
Disbursement Fee	0.0%		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Front End Fee/ Top Front Fee	0.0%											
(3) Finance Arrangement												
Own Finance by RGC exc. IDC	17.8%		0.0	0.0	0.0	0.0	0.0	0.0	4.1	9.8	5.0	18.9
Source - B Loan inc. IDC	82.2%		0.0	0.0	0.0	0.0	0.0	0.0	19.3	44.5	23.6	87.4
Total Investment	100.0%		0.0	0.0	0.0	0.0	0.0	0.0	23.4	54.3	28.6	106.3
B-8. Subsidiary Loan Arrangement												
Source - B Loan + MEF	106.3		0.0	0.0	0.0	0.0	0.0	0.0	23.4	54.3	28.6	106.3
Cumulative of Total Loan			0.0	0.0	0.0	0.0	0.0	0.0	23.4	77.7	106.3	
IDC to be paid by EDC	3.5%		0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.8	3.2	5.4
B-9. Total Project Cost and Financing	111.7	100.0%	0.0	0.0	0.0	0.0	0.0	0.0	23.8	56.1	31.8	111.7
Source - B Loan inc. IDC by RGC	87.4	78.2%	0.0	0.0	0.0	0.0	0.0	0.0	19.3	44.5	23.6	87.4
Relent by MEF to EDC	18.9	16.9%	0.0	0.0	0.0	0.0	0.0	0.0	4.1	9.8	5.0	18.9
EDC	5.4	4.8%	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.8	3.2	5.4

Attachment 3.6 (1/4) Finance Planning for Stage 1 for Case No. 3000

No.	3000		(Unit:Million US\$)								
A. Stage-1	Cost as of 2001	Annual Escalation	Construction Period								Total
			2001	2002	2003	2004	2005	2006	2007	2008	
A-1. Foreign Currency Portion	92.3		0.0	0.0	0.0	22.8	51.9	26.9	0.0	0.0	101.6
Land Acquisition and Compensation	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mechanical Works	44.3		0.0	0.0	0.0	9.5	24.4	15.0	0.0	0.0	48.9
Electrical Works	19.3		0.0	0.0	0.0	6.2	12.7	2.2	0.0	0.0	21.1
Civil and Structural Works	8.9	2.4%	0.0	0.0	0.0	2.9	3.9	3.0	0.0	0.0	9.8
Spare Parts and Others	6.7		0.0	0.0	0.0	1.4	3.7	2.3	0.0	0.0	7.4
Consultant Services inc. Training	4.5		0.0	0.0	0.0	1.0	2.5	1.5	0.0	0.0	5.0
Owner's Administration Fee	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Associated Transmission Line	8.6		0.0	0.0	0.0	1.8	4.7	2.9	0.0	0.0	9.4
A-2. Local Currency Portion	18.8		0.0	0.0	0.0	5.1	9.5	6.0	0.0	0.0	20.6
Land Acquisition and Compensation	1.0		0.0	0.0	0.0	0.2	0.6	0.3	0.0	0.0	1.1
Mechanical Works	3.3		0.0	0.0	0.0	0.7	1.8	1.1	0.0	0.0	3.6
Electrical Works	1.2		0.0	0.0	0.0	0.4	0.8	0.1	0.0	0.0	1.3
Civil and Structural Works	8.5	2.4%	0.0	0.0	0.0	2.7	3.7	2.9	0.0	0.0	9.3
Spare Parts and Others	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Consultant Services inc. Training	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Owner's Administration Fee	2.6		0.0	0.0	0.0	0.6	1.4	0.9	0.0	0.0	2.9
Associated Transmission Line	2.2		0.0	0.0	0.0	0.5	1.2	0.7	0.0	0.0	2.4
Grand Total excluding Taxes and Duties	111.1		0.0	0.0	0.0	27.9	61.4	32.9	0.0	0.0	122.2
A-3. Import Duties (Exempted)											
Mechanical Works	48.9	0.0%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Electrical Works	21.1	0.0%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Civil and Structural Works	9.8	0.0%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Spare Parts and Others	7.4	0.0%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Associated Transmission Line	9.4	0.0%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Subtotal	96.6		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
A-4. Value Added Tax											
F/C portion excluding Consultant Service	96.6	10%	0.0	0.0	0.0	2.2	4.9	2.5	0.0	0.0	9.6
L/C portion excluding Land and Admini.	16.6	10%	0.0	0.0	0.0	0.4	0.8	0.5	0.0	0.0	1.7
Subtotal	113.2		0.0	0.0	0.0	2.6	5.7	3.0	0.0	0.0	11.3
A-5. Total Project Cost excluding IDC											
F/C Portion											
(1) Procurement and Construction	101.6		0.0	0.0	0.0	22.8	51.9	26.9	0.0	0.0	101.6
L/C Portion											
(1) Procurement and Construction	20.6		0.0	0.0	0.0	5.1	9.5	6.0	0.0	0.0	20.6
(2) Import Duties	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
(3) Value Added Tax	11.3		0.0	0.0	0.0	2.6	5.7	3.0	0.0	0.0	11.3
Subtotal	133.5		0.0	0.0	0.0	30.5	67.1	35.9	0.0	0.0	133.5
A-6. Loan Arrangement-1											
(1) Construction Cost	share (%)										
Equity Porttion	25.4%		0.0	0.0	0.0	7.7	17.0	9.1	0.0	0.0	33.8
Debt Portion	74.6%		0.0	0.0	0.0	22.8	50.1	26.8	0.0	0.0	99.7
OIL	60.0%		0.0	0.0	0.0	13.7	30.1	16.1	0.0	0.0	59.9
Bank Syndicate Loan	40.0%		0.0	0.0	0.0	9.1	20.0	10.7	0.0	0.0	39.8
(2) OIL US\$ Loan	LIBOR= 3.46% as of October 02, 2001										
Cumulative Amount			0.0	0.0	0.0	13.7	43.8	59.9	59.9	59.9	
IDC (LIBOR + 1.0%)	4.46%		0.0	0.0	0.0	0.3	1.3	2.3	0.0	0.0	3.9
Commitment Fee	0.25%		0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1
Top Front Fee	1.00%		0.0	0.0	0.0	0.6					0.6
(3) Bank Syndicate US\$ Loan											
Cumulative Amount			0.0	0.0	0.0	9.1	29.1	39.8	39.8	39.8	
IDC (LIBOR + 2.5%)	5.96%		0.0	0.0	0.0	0.3	1.1	2.1	0.0	0.0	3.5
Commitment Fee	0.50%		0.0	0.0	0.0	0.2	0.1	0.0	0.0	0.0	0.3
Front End Fee	1.25%		0.0	0.0	0.0	0.5					0.5
(4) Total Disbursement											
Own Finance Portion	30.0%		0.0	0.0	0.0	9.7	19.5	13.5	0.0	0.0	42.7
OIL US\$ Loan	42.1%		0.0	0.0	0.0	13.7	30.1	16.1	0.0	0.0	59.9
Bank Syndicate US\$ Loan	28.0%		0.0	0.0	0.0	9.1	20.0	10.7	0.0	0.0	39.8
Total Disbursement	100.0%		0.0	0.0	0.0	23.4	49.6	29.6	0.0	0.0	142.4

Attachment 3.6 (2/4) Finance Planning for Stage 2 for Case No. 3000

No.	3000		(Unit: Million US\$)								
	Cost as of 2001	Annual Escalation	Construction Period								
			2001	2002	2003	2004	2005	2006	2007	2008	Total
B. Stage-2											
B-1. Foreign Currency Portion											
	65.4		0.0	0.0	0.0	0.0	0.0	16.5	39.3	19.7	75.5
Land Acquisition and Compensation	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mechanical Works	41.1		0.0	0.0	0.0	0.0	0.0	9.3	23.7	14.6	47.6
Electrical Works	14.6		0.0	0.0	0.0	0.0	0.0	4.6	10.4	1.7	16.7
Civil and Structural Works	4.1	2.4%	0.0	0.0	0.0	0.0	0.0	1.4	1.9	1.5	4.8
Spare Parts and Others	3.5		0.0	0.0	0.0	0.0	0.0	0.7	2.1	1.2	4.0
Consultant Services inc. Training	2.1		0.0	0.0	0.0	0.0	0.0	0.5	1.2	0.7	2.4
Owner's Administration Fee	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Associated Transmission Line	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
B-2. Local Currency Portion											
	9.2		0.0	0.0	0.0	0.0	0.0	2.7	4.8	3.1	10.6
Land Acquisition and Compensation	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mechanical Works	3.1		0.0	0.0	0.0	0.0	0.0	0.7	1.8	1.1	3.6
Electrical Works	0.9		0.0	0.0	0.0	0.0	0.0	0.3	0.6	0.1	1.0
Civil and Structural Works	3.9	2.4%	0.0	0.0	0.0	0.0	0.0	1.4	1.7	1.4	4.5
Spare Parts and Others	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Consultant Services inc. Training	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Owner's Administration Fee	1.3		0.0	0.0	0.0	0.0	0.0	0.3	0.7	0.5	1.5
Associated Transmission Line	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Grand Total excluding Taxes and Duties	74.6		0.0	0.0	0.0	0.0	0.0	19.2	44.1	22.8	86.1
B-3. Import Duties (Exempted)											
Mechanical Works	47.6	0.0%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Electrical Works	16.7	0.0%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Civil and Structural Works	4.8	0.0%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Spare Parts and Others	4.0	0.0%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Associated Transmission Line	0.0	0.0%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Subtotal	73.1		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
B-4. Value Added Tax											
F/C portion excluding Consultant Services	73.1	10%	0.0	0.0	0.0	0.0	0.0	1.6	3.8	1.9	7.3
L/C portion excluding Land and Admini.	9.1	10%	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.3	0.9
Subtotal	82.2		0.0	0.0	0.0	0.0	0.0	1.8	4.2	2.2	8.2
B-5. Total Project Cost excluding IDC											
F/C Portion											
(1) Procurement and Construction	75.5		0.0	0.0	0.0	0.0	0.0	16.5	39.3	19.7	75.5
L/C Portion											
(1) Procurement and Construction	10.6		0.0	0.0	0.0	0.0	0.0	2.7	4.8	3.1	10.6
(2) Import Duties	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
(3) Value Added Tax	8.2		0.0	0.0	0.0	0.0	0.0	1.8	4.2	2.2	8.2
Subtotal	94.3		0.0	0.0	0.0	0.0	0.0	21.0	48.3	25.0	94.3
B-6. Loan Arrangement-1											
(1) Construction Cost share (%)											
Equity Portion	25.4%		0.0	0.0	0.0	0.0	0.0	5.3	12.3	6.4	24.0
Debt Portion	74.6%		0.0	0.0	0.0	0.0	0.0	15.7	36.0	18.6	70.3
OIL	60.0%		0.0	0.0	0.0	0.0	0.0	9.4	21.6	11.2	42.2
Bank Syndicate Loan	40.0%		0.0	0.0	0.0	0.0	0.0	6.3	14.4	7.4	28.1
(2) OIL US\$ Loan LIBOR= 3.46% as of October 02, 2001											
Cumulative Amount			0.0	0.0	0.0	0.0	0.0	9.4	31.0	42.2	
IDC (LIBOR + 1.0%)	4.46%		0.0	0.0	0.0	0.0	0.0	0.2	0.9	1.6	2.7
Commitment Fee	0.25%		0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1
Top Front Fee	1.00%		0.0	0.0	0.0	0.0	0.0	0.4			0.4
(3) Bank Syndicate US\$ Loan											
Cumulative Amount			0.0	0.0	0.0	0.0	0.0	6.3	20.7	28.1	
IDC (LIBOR + 2.5%)	5.96%		0.0	0.0	0.0	0.0	0.0	0.2	0.8	1.5	2.5
Commitment Fee	0.50%		0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1
Front End Fee	1.25%		0.0	0.0	0.0	0.0	0.0	0.4			0.4
(4) Total Disbursement											
Own Finance Portion	30.1%		0.0	0.0	0.0	0.0	0.0	6.7	14.0	9.5	30.2
OIL US\$ Loan	42.0%		0.0	0.0	0.0	0.0	0.0	9.4	21.6	11.2	42.2
Bank Syndicate US\$ Loan	28.0%		0.0	0.0	0.0	0.0	0.0	6.3	14.4	7.4	28.1
Total Disbursement	100.0%		0.0	0.0	0.0	0.0	0.0	16.1	35.6	20.7	100.5

Attachment 3.7 (1/4) Finance Planning for Stage 1 for Case No. 4000

No. 4000		(Unit: Million US\$)									
A. Stage-1	Cost as of 2001	Annual Escalation	Construction Period								Total
			2001	2002	2003	2004	2005	2006	2007	2008	
A-1. Foreign Currency Portion	92.3		0.0	0.0	0.0	22.8	51.9	26.9	0.0	0.0	101.6
Land Acquisition and Compensation	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mechanical Works	44.3		0.0	0.0	0.0	9.5	24.4	15.0	0.0	0.0	48.9
Electrical Works	19.3		0.0	0.0	0.0	6.2	12.7	2.2	0.0	0.0	21.1
Civil and Structural Works	8.9	2.4%	0.0	0.0	0.0	2.9	3.9	3.0	0.0	0.0	9.8
Spare Parts and Others	6.7		0.0	0.0	0.0	1.4	3.7	2.3	0.0	0.0	7.4
Consultant Services inc. Training	4.5		0.0	0.0	0.0	1.0	2.5	1.5	0.0	0.0	5.0
Owner's Administration Fee	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Associated Transmission Line	8.6		0.0	0.0	0.0	1.8	4.7	2.9	0.0	0.0	9.4
A-2. Local Currency Portion	18.8		0.0	0.0	0.0	5.1	9.5	6.0	0.0	0.0	20.6
Land Acquisition and Compensation	1.0		0.0	0.0	0.0	0.2	0.6	0.3	0.0	0.0	1.1
Mechanical Works	3.3		0.0	0.0	0.0	0.7	1.8	1.1	0.0	0.0	3.6
Electrical Works	1.2		0.0	0.0	0.0	0.4	0.8	0.1	0.0	0.0	1.3
Civil and Structural Works	8.5	2.4%	0.0	0.0	0.0	2.7	3.7	2.9	0.0	0.0	9.3
Spare Parts and Others	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Consultant Services inc. Training	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Owner's Administration Fee	2.6		0.0	0.0	0.0	0.6	1.4	0.9	0.0	0.0	2.9
Associated Transmission Line	2.2		0.0	0.0	0.0	0.5	1.2	0.7	0.0	0.0	2.4
Grand Total excluding Taxes and Duties	111.1		0.0	0.0	0.0	27.9	61.4	32.9	0.0	0.0	122.2
A-3. Import Duties											
Mechanical Works	48.9	15.0%	0.0	0.0	0.0	1.4	3.7	2.3	0.0	0.0	7.4
Electrical Works	21.1	15.0%	0.0	0.0	0.0	0.9	1.9	0.3	0.0	0.0	3.1
Civil and Structural Works	9.8	10.0%	0.0	0.0	0.0	0.3	0.4	0.3	0.0	0.0	1.0
Spare Parts and Others	7.4	10.0%	0.0	0.0	0.0	0.1	0.4	0.2	0.0	0.0	0.7
Associated Transmission Line	9.4	13.0%	0.0	0.0	0.0	0.2	0.6	0.4	0.0	0.0	1.2
Subtotal	96.6		0.0	0.0	0.0	2.9	7.0	3.5	0.0	0.0	13.4
A-4. Value Added Tax											
F/C portion excluding Consultant Services	96.6	0%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
L/C portion excluding Land and Admini.	16.6	0%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Subtotal	113.2		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
A-5. Total Project Cost excluding IDC											
F/C Portion											
(1) Procurement and Construction	101.6		0.0	0.0	0.0	22.8	51.9	26.9	0.0	0.0	101.6
L/C Portion											
(1) Procurement and Construction	20.6		0.0	0.0	0.0	5.1	9.5	6.0	0.0	0.0	20.6
(2) Import Duties	13.4		0.0	0.0	0.0	2.9	7.0	3.5	0.0	0.0	13.4
(3) Value Added Tax	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Subtotal	135.6		0.0	0.0	0.0	30.8	68.4	36.4	0.0	0.0	135.6
A-6. Official Finance source - A (Full of F/C Portion)											
(1) Construction Cost share (%)											
Own Finance by RGC (L/C + Taxes)			0.0	0.0	0.0	8.0	16.5	9.5	0.0	0.0	34.0
Source - A Loan (Full F/C Portion)			0.0	0.0	0.0	22.8	51.9	26.9	0.0	0.0	101.6
Source - A Loan Cumulative			0.0	0.0	0.0	22.8	74.7	101.6	101.6	101.6	
(2) Financing Cost (Source - A - MEF)											
IDC to be paid by RGC	1.0%		0.0	0.0	0.0	0.1	0.5	0.9	0.0	0.0	1.5
Disbursement Fee	0.1%		0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1
Front End Fee	0.0%										
(3) Finance Arrangement											
Own Finance by RGC inc. IDC	25.9%		0.0	0.0	0.0	8.1	17.1	10.4	0.0	0.0	35.6
Source - A Loan	74.1%		0.0	0.0	0.0	22.8	51.9	26.9	0.0	0.0	101.6
Total Investment	100.0%		0.0	0.0	0.0	30.9	69.0	37.3	0.0	0.0	137.2
A-7. Official Finance Source - A (Max 85%)											
(1) Construction Cost share (%)											
Own Finance by RGC (Share + Taxes)	0.0%		0.0	0.0	0.0	2.9	7.0	3.5	0.0	0.0	13.4
Source - A Loan	100.0%		0.0	0.0	0.0	27.9	61.4	32.9	0.0	0.0	122.2
Source - A Loan Cumulative			0.0	0.0	0.0	27.9	89.3	122.2	122.2	122.2	
(2) Financing Cost (Source - A - MEF)											
IDC to be paid by RGC	1.0%		0.0	0.0	0.0	0.1	0.6	1.1	0.0	0.0	1.8
Disbursement Fee	0.1%		0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1
Front End Fee/ Top Front Fee	0.0%										
(3) Finance Arrangement											
Own Finance by RGC inc. IDC	11.1%		0.0	0.0	0.0	3.0	7.7	4.6	0.0	0.0	15.3
Source - A Loan	88.9%		0.0	0.0	0.0	27.9	61.4	32.9	0.0	0.0	122.2
Total Investment	100.0%		0.0	0.0	0.0	30.9	69.1	37.5	0.0	0.0	137.5
A-8. Subsidiary Loan Arrangement											
S. - A + MEF less IDC+ Disbursement Fee	135.6		0.0	0.0	0.0	30.8	68.4	36.4	0.0	0.0	135.6
Cumulative of Total Loan			0.0	0.0	0.0	30.8	99.2	135.6	135.6	135.6	
IDC to be paid by EDC	3.5%		0.0	0.0	0.0	0.5	2.3	4.1	0.0	0.0	6.9
A-9. Total Project Cost and Financing	142.5	100.0%	0.0	0.0	0.0	31.3	70.7	40.5	0.0	0.0	142.5
Source - A Loan	122.2	85.8%	0.0	0.0	0.0	27.9	61.4	32.9	0.0	0.0	122.2
Relent by MEF to EDC	13.4	9.4%	0.0	0.0	0.0	2.9	7.0	3.5	0.0	0.0	13.4
EDC	6.9	4.8%	0.0	0.0	0.0	0.5	2.3	4.1	0.0	0.0	6.9

Attachment 3.7 (2/4) Finance Planning for Stage 2 for Case No. 4000

(Unit:Million US\$)

No.	4000											
	Cost as of 2001	Annual Escalation	Construction Period									
			2001	2002	2003	2004	2005	2006	2007	2008	Total	
B. Stage-2												
B-1. Foreign Currency Portion												
	65.4		0.0	0.0	0.0	0.0	0.0	0.0	16.5	39.3	19.7	75.5
Land Acquisition and Compensation	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mechanical Works	41.1		0.0	0.0	0.0	0.0	0.0	0.0	9.3	23.7	14.6	47.6
Electrical Works	14.6		0.0	0.0	0.0	0.0	0.0	0.0	4.6	10.4	1.7	16.7
Civil and Structural Works	4.1	2.4%	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.9	1.5	4.8
Spare Parts and Others	3.5		0.0	0.0	0.0	0.0	0.0	0.0	0.7	2.1	1.2	4.0
Consultant Services inc. Training	2.1		0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.2	0.7	2.4
Owner's Administration Fee	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Associated Transmission Line	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
B-2. Local Currency Portion												
	9.2		0.0	0.0	0.0	0.0	0.0	0.0	2.7	4.8	3.1	10.6
Land Acquisition and Compensation	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mechanical Works	3.1		0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.8	1.1	3.6
Electrical Works	0.9		0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.6	0.1	1.0
Civil and Structural Works	3.9	2.4%	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.7	1.4	4.5
Spare Parts and Others	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Consultant Services inc. Training	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Owner's Administration Fee	1.3		0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.7	0.5	1.5
Associated Transmission Line	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Grand Total excluding Taxes and Duties	74.6		0.0	0.0	0.0	0.0	0.0	0.0	19.2	44.1	22.8	86.1
B-3. Import Duties												
Mechanical Works	47.6	15.0%	0.0	0.0	0.0	0.0	0.0	0.0	1.4	3.6	2.2	7.2
Electrical Works	16.7	15.0%	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.6	0.3	2.6
Civil and Structural Works	4.8	10.0%	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.2	0.5	
Spare Parts and Others	4.0	10.0%	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.1	0.4	
Associated Transmission Line	0.0	13.0%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Subtotal	73.1		0.0	0.0	0.0	0.0	0.0	0.0	2.3	5.6	2.8	10.7
B-4. Value Added Tax												
F/C portion excluding Consultant Services	73.1	0%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
L/C portion excluding Land and Admini.	9.1	0%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Subtotal	82.2		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
B-5. Total Project Cost excluding IDC												
F/C Portion												
(1) Procurement and Construction	75.5		0.0	0.0	0.0	0.0	0.0	0.0	16.5	39.3	19.7	75.5
L/C Portion												
(1) Procurement and Construction	10.6		0.0	0.0	0.0	0.0	0.0	0.0	2.7	4.8	3.1	10.6
(2) Import Duties	10.7		0.0	0.0	0.0	0.0	0.0	0.0	2.3	5.6	2.8	10.7
(3) Value Added Tax	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Subtotal	96.8		0.0	0.0	0.0	0.0	0.0	0.0	21.5	49.7	25.6	96.8
B-6. Official Finance Source - A (Full of F/C Portion)												
(1) Construction Cost share (%)												
Own Finance by RGC (L/C + Taxes)			0.0	0.0	0.0	0.0	0.0	0.0	5.0	10.4	5.9	21.3
Source - A Loan (Full F/C Portion)			0.0	0.0	0.0	0.0	0.0	0.0	16.5	39.3	19.7	75.5
Source - A Loan Cumulative			0.0	0.0	0.0	0.0	0.0	0.0	16.5	55.8	75.5	
(2) Financing Cost (Source - A - MEF)												
IDC to be paid by RGC	1.0%		0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.4	0.7	1.1
Disbursement Fee	0.1%		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Front End Fee	0.0%											
(3) Finance Arrangement												
Own Finance by RGC inc. IDC	23.0%		0.0	0.0	0.0	0.0	0.0	0.0	5.1	10.8	6.6	22.4
Source - A Loan	77.0%		0.0	0.0	0.0	0.0	0.0	0.0	16.5	39.3	19.7	75.5
Total Investment	100.0%		0.0	0.0	0.0	0.0	0.0	0.0	21.6	50.1	26.3	97.9
B-7. Official finance Source - A (Max 85%)												
(1) Construction Cost share (%)												
Own Finance by RGC (Share + Taxes)	0.0%		0.0	0.0	0.0	0.0	0.0	0.0	2.3	5.6	2.8	10.7
Source - A Loan	100.0%		0.0	0.0	0.0	0.0	0.0	0.0	19.2	44.1	22.8	86.1
Source - A Loan Cumulative			0.0	0.0	0.0	0.0	0.0	0.0	19.2	63.3	86.1	
(2) Financing Cost (Source - A - MEF)												
IDC to be paid by RGC	1.0%		0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.4	0.8	1.3
Commitment Fee	0.1%		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Front End Fee/ Top Front Fee	0.0%											
(3) Finance Arrangement												
Own Finance by RGC inc. IDC	12.2%		0.0	0.0	0.0	0.0	0.0	0.0	2.4	6.0	3.6	12.0
Source - A Loan	87.8%		0.0	0.0	0.0	0.0	0.0	0.0	19.2	44.1	22.8	86.1
Total Investment	100.0%		0.0	0.0	0.0	0.0	0.0	0.0	21.6	50.1	26.4	98.1
B-8. Subsidiary Loan Arrangement												
S.- A + MEF less IDC + Disbursement Fee	96.8		0.0	0.0	0.0	0.0	0.0	0.0	21.5	49.7	25.6	96.8
Cumulative of Total Loan			0.0	0.0	0.0	0.0	0.0	0.0	21.5	71.2	96.8	
IDC to be paid by EDC	3.5%		0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.6	2.9	4.9
B-9. Total Project Cost and Financing												
Source - A Loan	86.1	84.7%	0.0	0.0	0.0	0.0	0.0	0.0	19.2	44.1	22.8	86.1
Relent by MEF to EDC	10.7	10.5%	0.0	0.0	0.0	0.0	0.0	0.0	2.3	5.6	2.8	10.7
EDC	4.9	4.8%	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.6	2.9	4.9

