

**PART 4**  
**APPENDIX**



**TABLE A2.2.1 Berth Capacity of New Queen Elizabeth Terminal**

Precondition: a) 40' Container Ratio: JCT 30%—40% of total boxes

b) Three-shift \*365day Operation (8736Hr/Yr)

c) Productivity of Container Crane:

Min JM18JF5/QM18/QF18NGS/NQ2S Box/Hr Cr

Max JM20JF5/QM18/QF18SCS/NQ2S Box/Hr Cr

d) JCT Cloth Berth-South: \*2 Container Crane

e) QEO Rehabilitation: QEO No.2-3 Berth from Conventional to Container Terminal (Co. Cr-6 sets)

f) New north Pier Development

g) JCT No.1-2 Berth: \*1 Container Crane

h) New QEO-WEST Terminal Development (Double Wharf Type)

Name of the berth	Quay Length (m)	Quay Depth (m)	Number of Berth	Unit Berth Length (m)	Average Ld/Dis Boxes per Ship (Box)	Container Crane			Berth Occupancy Ratio (%)	Berthing Time(Max)			Number of Ship Calls (Max)	40' Container Ratio (%)	Unit Berth Capacity		Total Berth Capacity (1000TEU)	Berth Capacity per Unit Length (Max)			
						Productivity (Box/Hr.Cr)	Number of Crane per Berth	Effective Number of Crane		Net Handling Time	Idle Time	Start & End Time			(1,000 Box/Yr)	(1,000 TEU/Yr)					
																			Min	Max	Ratio (%)
JCT No1-2	632	12/13	2	M	316	18	20	3.0	2.40	10.42	1.84	1.25	485	0.3	0.4	243	340	573	679	1,075	
JCT No3-4	660	13.5/14	2	M	330	18	20	3.0	2.40	10.42	1.84	1.25	485	0.3	0.4	243	340	573	679	1,029	
JCT CRB(s)	170	9	1	F	170	15	15	2.0	1.90	17.54	3.10	1.25	299	0.3	0.4	150	210	195	210	1,232	
JCT CRB(n)	180	9	1	F	180	8	8	2.0	1.80	34.72	6.13	1.25	156	0.3	0.4	78	109	101	109	605	
JCT Total	1642		6		996			14.0	11.50				2,396			1,198	1,677	1,442	1,677	1,021	
QCT No 5-6	380	14.0	1	M	380	18	20	3	2.40	10.42	1.84	1.25	485	0.3	0.4	243	340	286	340	894	
QCT No 4	200	10.8	1	F	200	15	15	2	1.90	12.63	2.23	1.25	407	0.3	0.4	146	205	190	205	1,025	
QEO No2	200	10.8	1	F	200	15	15	2	1.90	12.63	2.23	1.25	407	0.3	0.4	146	205	190	205	1,025	
QEO No3	220	10.8	1	F	220	15	15	2	1.90	12.63	2.23	1.25	407	0.3	0.4	146	205	190	205	932	
QEO/QCT Total	1000		4		1000			9	8.10				1,705			682	955	857	955	955	
QETNo7	350	16.0	1	M	350	25	25	4	2.90	6.90	1.22	1.25	700	0.3	0.4	350	490	455	490	1,399	
QETNo8	350	16.0	1	M	350	25	25	4	2.90	6.90	1.22	1.25	700	0.3	0.4	350	490	455	490	1,399	
New QET Total	700		2		700			8	5.80				1,399			700	980	910	980	1,399	
New North Pier	190	7.5/11	1	F	190	15	15	1	1.00	24.00	4.24	1.25	222	0.3	0.4	80	112	0	0	-	
Total	3,532		13		2,886								5,722			2,659	3,723	3,209	3,611	1022	

**TABLE A2.2.2 Yard And Terminal Capacity of New Queen Elizabeth Terminal in 2005**

- a) Import and Export Container: 30% and Transshipment Container: 70%  
b) YOR: 60%  
c) Dwelling Time: 7 days

Name of the Berth	Approximate Terminal Area				Number of Ground Slots (TEU)	Dwelling Time (Days)	Rotation Rate (Rev/Yr)	Average Stacking Height (Tier)	Yard Storage Capacity (TEU)	Yard Handling Capacity (1000TEU/Yr)	Berth Capacity (1000TEU/Yr)		Remarks
	Terminal Area (Ha)	Yard Area (Ha)	Ratio (%)	No of Slots per Area (TEU/ha)							Min	Max	
JCT No1-2					Dry 4,092 Ref 144 SubTotal 4,236	7.0	52.1	1.80	7,366	591			
JCT No3-4	26.1	18.5	70.76	229		7.0	52.1	1.80	7,625	21			
JCT Empty Con.					Dry 3,936 Ref 234 Sub Total 4,170	7.0	52.1	2.40	9,446	758			
JCT Total	21.7	14.8	68.51	281		7.0	52.1	1.80	421	34			
	47.8	35.7	74.74	255	Empov 720 Total 9,126	7.0	52.1	4.80	3,456	277			
New North Pier	3.3	1.7	50.00	200		7.0	52.1	2.30	20,948	1,680	1,442	1,677	
JCT+NNP Total	51.1	37.4			Dry 330 Total 9,456	7.0	52.1	1.80	594	48			Inter Terminal Shift
						7.0	52.1	2.28	21,542	1,728	1,442	1,677	Berth Neck
QEQ/OCT					Dry 1,700 Ref 80 SubTotal 1,780	7.0	52.1	2.40	4,080	327			
QEQ/OCT Additional	10.8	6.8	63.33	260		7.0	52.1	1.80	144	12			
					Dry 4,290 Ref 235 SubTotal 4,526	7.0	52.1	2.37	4,224	339			
QEQ/OCT Total	25.9	18.1	70.00	250		7.0	52.1	2.40	10,297	826			
	36.7	24.9	68.04	253		7.0	52.1	1.80	424	34			
					6,306	7.0	52.2	2.37	10,721	860			
New QEQ West									14,945	1,200	857	955	Berth Neck
New QEQ West Total	36.1	25.3	70.00	250									
					Dry 5,984 Ref 332 6,316	7.0	52.1	2.40	14,361	1,152			
						7.0	52.1	1.80	598	48			
Queen Elizabeth Total	72.8	50.2		251					14,959	1,200	910	980	Berth Neck
					12,622								
									29,903	2,400	1,735	1,900	Berth Neck
Total	123.9	87.6	70.71	252									
					22,078								
									51,446	4,128	3,177	3,577	
													3,612

TABLE A2.3.1 Transition of Container Handling Capacity and Container Traffic

(1,000TEU)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Container Throughput (Actual)	595	669	676	858	973	1,049										
Traffic Forecast (Low Case)						1,080	1,207	1,334	1,461	1,588	1,715	1,842	1,968	2,095	2,222	(Max)
(High Case)						1,190	1,446	1,662	1,898	2,134	2,370	2,606	2,842	3,078	3,315	3,551
JCT																
Berth	538	538	538	538	538	905	1,293	1,293	1,442	1,442	1,442	1,442	1,442	1,442	1,442	1,442 - 1,677
Yard	612	612	612	612	612	1,403	1,403	1,403	1,680	1,680	1,680	1,680	1,680	1,680	1,680	1,680 - 1,680
New North Pier																0
Berth											104	104	104	104	104	0 - 0
Yard											48	48	48	48	48	0 - 0
JCT+NNP Total																
Berth	538	538	538	538	538	905	1,293	1,293	1,442	1,442	1,546	1,546	1,546	1,546	1,546	1,442 - 1,677
Yard	612	612	612	612	612	1,403	1,403	1,403	1,680	1,680	1,728	1,728	1,728	1,728	1,728	1,680 - 1,680
Total	538	538	538	538	538	905	1,293	1,293	1,442	1,442	1,546	1,546	1,546	1,546	1,546	1,442 - 1,677
QEQ/QCT																
Berth	446	446	446	446	446	494	494	494	494	494	537	848	848	848	848	857 - 955
Yard	217	217	217	217	217	217	217	217	217	217	339	339	339	339	339	1,200 - 1,200
Total	217	217	217	217	217	217	217	217	217	217	339	339	339	339	339	857 - 955
New Queen Elizabeth Terminal																
Berth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	910 - 980
Yard	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,200 - 1,200
Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	910 - 980
Queen Elizabeth Total																
Berth	446	446	446	446	446	494	494	494	494	494	537	848	848	848	848	1,767 - 1,935
Yard	217	217	217	217	217	217	217	217	217	217	339	339	339	339	339	2,400 - 2,400
Total	217	217	217	217	217	217	217	217	217	217	339	339	339	339	339	1,767 - 1,935
JCT+QE Terminal Grand Total	755	755	755	755	755	1,122	1,510	1,510	1,659	1,659	1,885	1,885	1,885	1,885	1,885	3,209 - 3,612

Note: ( ) Potential Capacity Neck Process

FIGURE A2.6.1 The Results of the Traffic Survey

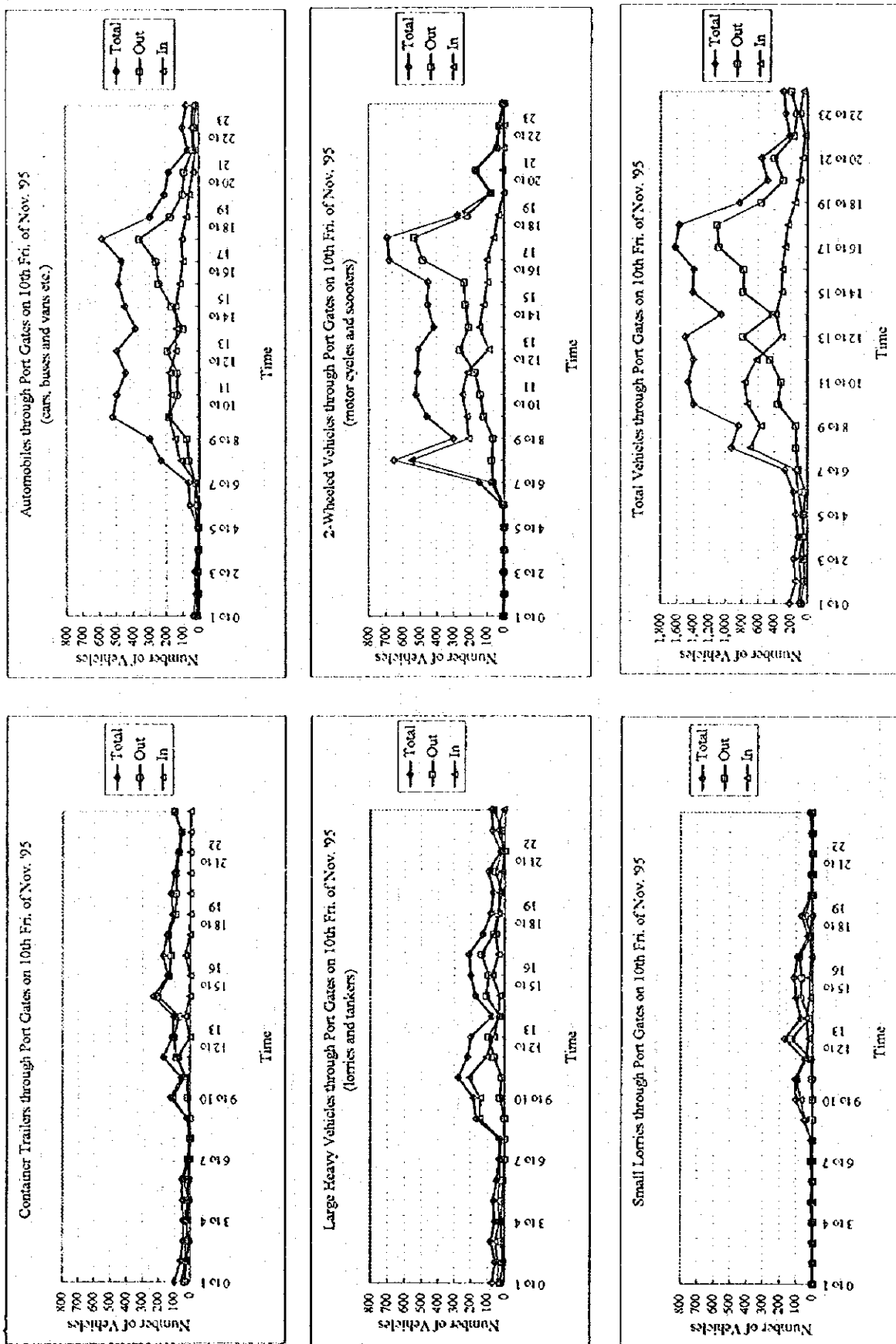
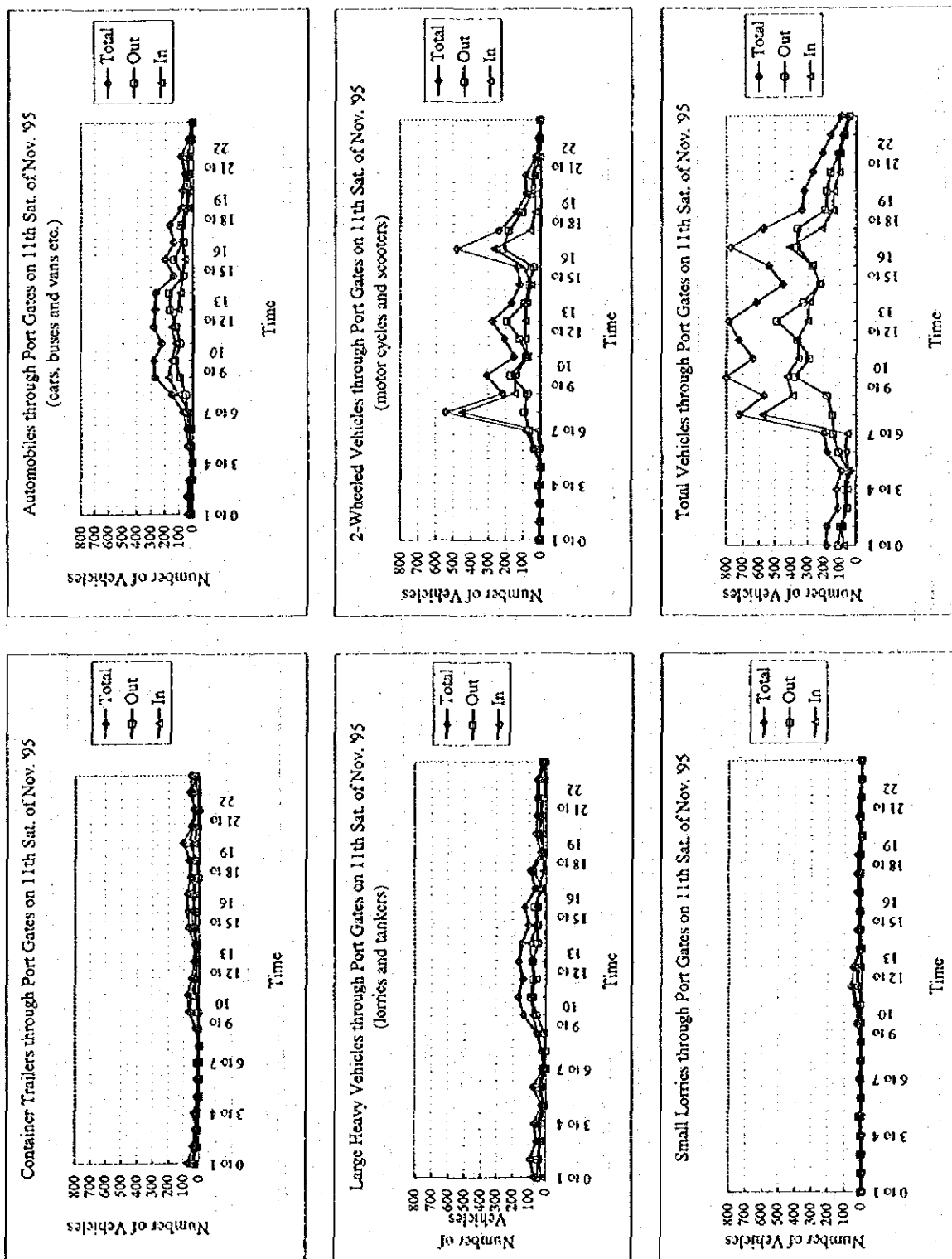


FIGURE A2.6.2 The Results of the Traffic Survey



**FIGURE A2.6.3 Vehicle Counting Sheet - Location No.1**

Date (13/2/1996)

Name of Junction/ Gate No. near by (1)

Day of the week (Tuesday) Name of Surveyor (Statistics Section, SLPA)

1. Time	2. Container Trailers										3. Large Heavy Vehicles (lorries and tankers)										4. Small Lorries carrying capacity more than 3 metric tonnes										5. Forklifts, Toplifters, & Cranes etc.										6. Other Automobiles (cars, buses vans & tractors etc.)										7. 2 or 3- Wheeled Vehicles																		
	North-bound					South-bound					North-bound					South-bound					North-bound					South-bound					North-bound					South-bound					North-bound					South-bound					North-bound					South-bound													
	40' carrier	20' carrier	20' no cont.	40' no cont.	no cont.	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total																					
10 to 11	2	2	2	2	2	10	2	2	2	2	2	2	2	2	10	2	2	2	2	2	2	2	2	2	2	2	2	10	2	2	2	2	10	2	2	2	2	10	2	2	2	2	10	2	2	2	2	10	2	2	2	2	10																
11 to 12	2	2	2	2	2	10	2	2	2	2	2	2	2	2	10	2	2	2	2	2	2	2	2	2	2	2	2	10	2	2	2	2	10	2	2	2	2	10	2	2	2	2	10	2	2	2	2	10	2	2	2	2	10																
12 to 13	2	2	2	2	2	10	2	2	2	2	2	2	2	2	10	2	2	2	2	2	2	2	2	2	2	2	2	10	2	2	2	2	10	2	2	2	2	10	2	2	2	2	10	2	2	2	2	10	2	2	2	2	10																
13 to 14	2	2	2	2	2	10	2	2	2	2	2	2	2	2	10	2	2	2	2	2	2	2	2	2	2	2	2	10	2	2	2	2	10	2	2	2	2	10	2	2	2	2	10	2	2	2	2	10	2	2	2	2	10																
14 to 15	2	2	2	2	2	10	2	2	2	2	2	2	2	2	10	2	2	2	2	2	2	2	2	2	2	2	2	10	2	2	2	2	10	2	2	2	2	10	2	2	2	2	10	2	2	2	2	10	2	2	2	2	10																
15 to 16	2	2	2	2	2	10	2	2	2	2	2	2	2	2	10	2	2	2	2	2	2	2	2	2	2	2	2	10	2	2	2	2	10	2	2	2	2	10	2	2	2	2	10	2	2	2	2	10	2	2	2	2	10																
16 to 17	2	2	2	2	2	10	2	2	2	2	2	2	2	2	10	2	2	2	2	2	2	2	2	2	2	2	2	10	2	2	2	2	10	2	2	2	2	10	2	2	2	2	10	2	2	2	2	10	2	2	2	2	10																
17 to 18	2	2	2	2	2	10	2	2	2	2	2	2	2	2	10	2	2	2	2	2	2	2	2	2	2	2	2	10	2	2	2	2	10	2	2	2	2	10	2	2	2	2	10	2	2	2	2	10	2	2	2	2	10																
18 to 19	2	2	2	2	2	10	2	2	2	2	2	2	2	2	10	2	2	2	2	2	2	2	2	2	2	2	2	10	2	2	2	2	10	2	2	2	2	10	2	2	2	2	10	2	2	2	2	10	2	2	2	2	10																
19 to 20	2	2	2	2	2	10	2	2	2	2	2	2	2	2	10	2	2	2	2	2	2	2	2	2	2	2	2	10	2	2	2	2	10	2	2	2	2	10	2	2	2	2	10	2	2	2	2	10	2	2	2	2	10																
20 to 21	2	2	2	2	2	10	2	2	2	2	2	2	2	2	10	2	2	2	2	2	2	2	2	2	2	2	2	10	2	2	2	2	10	2	2	2	2	10	2	2	2	2	10	2	2	2	2	10	2	2	2	2	10																
21 to 22	2	2	2	2	2	10	2	2	2	2	2	2	2	2	10	2	2	2	2	2	2	2	2	2	2	2	2	10	2	2	2	2	10	2	2	2	2	10	2	2	2	2	10	2	2	2	2	10	2	2	2	2	10																
22 to 23	2	2	2	2	2	10	2	2	2	2	2	2	2	2	10	2	2	2	2	2	2	2	2	2	2	2	2	10	2	2	2	2	10	2	2	2	2	10	2	2	2	2	10	2	2	2	2	10	2	2	2	2	10																
23 to 24	2	2	2	2	2	10	2	2	2	2	2	2	2	2	10	2	2	2	2	2	2	2	2	2	2	2	2	10	2	2	2	2	10	2	2	2	2	10	2	2	2	2	10	2	2	2	2	10	2	2	2	2	10																
0 to 1	2	2	2	2	2	10	2	2	2	2	2	2	2	2	10	2	2	2	2	2	2	2	2	2	2	2	2	10	2	2	2	2	10	2	2	2	2	10	2	2	2	2	10	2	2	2	2	10	2	2	2	2	10																
1 to 2	2	2	2	2	2	10	2	2	2	2	2	2	2	2	10	2	2	2	2	2	2	2	2	2	2	2	2	10	2	2	2	2	10	2	2	2	2	10	2	2	2	2	10	2	2	2	2	10	2	2	2	2	10																
2 to 3	2	2	2	2	2	10	2	2	2	2	2	2	2	2	10	2	2	2	2	2	2	2	2	2	2	2	2	10	2	2	2	2	10	2	2	2	2	10	2	2	2	2	10	2	2	2	2	10	2	2	2	2	10																
3 to 4	2	2	2	2	2	10	2	2	2	2	2	2	2	2	10	2	2	2	2	2	2	2	2	2	2	2	2	10	2	2	2	2	10	2	2	2	2	10	2	2	2	2	10	2	2	2	2	10	2	2	2	2	10																
4 to 5	2	2	2	2	2	10	2	2	2	2	2	2	2	2	10	2	2	2	2	2	2	2	2	2	2	2	2	10	2	2	2	2	10	2	2	2	2	10	2	2	2	2	10	2	2	2	2	10	2	2	2	2	10																
5 to 6	2	2	2	2	2	10	2	2	2	2	2	2	2	2	10	2	2	2	2	2	2	2	2	2	2	2	2	10	2	2	2	2	10	2	2	2	2	10	2	2	2	2	10	2	2	2	2	10	2	2	2	2	10																
6 to 7	2	2	2	2	2	10	2	2	2	2	2	2	2	2	10	2	2	2	2	2	2	2	2	2	2	2	2	10	2	2	2	2	10	2	2	2	2	10	2	2	2	2	10	2	2	2	2	10	2	2	2	2	10																
7 to 8	2	2	2	2	2	10	2	2	2	2	2	2	2	2	10	2	2	2	2	2	2	2	2	2	2	2	2	10	2	2	2	2	10	2	2	2	2	10	2	2	2	2	10	2	2	2	2	10	2	2	2	2	10																
8 to 9	2	2	2	2	2	10	2	2	2	2	2	2	2	2	10	2	2	2	2	2	2	2	2	2	2	2	2	10	2	2	2	2	10	2	2	2	2	10	2	2	2	2	10	2	2	2	2	10	2	2	2	2	10																
9 to 10	2	2	2	2	2	10	2	2	2	2	2	2	2	2	10	2	2	2	2	2	2	2	2	2	2	2	2	10	2	2	2	2	10	2	2	2	2	10	2	2	2	2	10	2	2	2	2	10	2	2	2	2	10																
Total	3417	44	113	1923	28	137238	8	0	3	271	183	3	9	136	583	12	0	2	111	39	3	4	75	246	87	96	1083	498	408	906	649	543	1197	20	0	2	111	39	3	4	75	246	87	96	1083	498	408	906	649	543	1197	20	0	2	111	39	3	4	75	246	87	96	1083	498	408	906	649	543	1197



FIGURE A2.6.4 Vehicle Counting Sheet - Location No.1

Date (13/2/1996) Name of Junction/ Gate No. near by (2)

Day of the week ( Tuesday ) Name of Surveyor (Statistics Section, SLPA)

Time	1. Container Trailers										2. Large Heavy Vehicles (lorries and tankers)										3. Small Lorries carrying capacity - 3 or less metric tonnes										4. Forklifts, Telelifters, & Cranes etc.										5. Other Automobiles (cars, buses vans & tractors etc.)										6. 2 or 3- Wheeled Vehicles																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
	North-bound					South-bound					North-bound					South-bound					North-bound					South-bound					North-bound					South-bound					North-bound					South-bound					North-bound					South-bound					North-bound					South-bound																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
	40' carrier	20' carrier	20' no container	40' no container	20' no container	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Total	Break Bulk	Dry Bulk

FIGURE A2.6.5 Vehicle Counting Sheet - Location No.1

Date (15/2/1996) Name of Junction/ Gate No. near by (Port Access Road)  
 Day of the week (Tuesday) Name of Surveyor (Statistics Section, S.L.P.A.)

Time	1. Container Trailers										2. Large Heavy Vehicles (lorries and tankers)										3. Small Lorries carrying capacity = 3 or less metric tonnes										4. Forklifts, Toplifters, & Cranes etc.										5. Other Automobiles (cars, buses & vans & tractors etc.)										6. 2 or 3- Wheeled Vehicles																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
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Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk	no Cargo	Break Bulk	Dry Bulk	Liquid Bulk

**TABLE A2.9.1 Monthly Water Consumption in 1996**

	Domestic (ton)	Ship Supply		Total (ton)
		Foreign (ton)	Local (ton)	
January	163	14,606	874	15,643
February	135	13,788	1,708	15,631
March	148	12,700	1,339	14,187
April	146	13,311	1,147	14,604
May	116	13,169	1,228	14,513
June	98	11,987	1,555	13,640
July	118	14,479	527	15,124
<b>Total for 7 months</b>	<b>924</b>	<b>94,040</b>	<b>8,378</b>	<b>103,342</b>

*Source: SLPA*

TABLE A2.9.2 Bunker Water (Medium Growth Case -Present Pattern)

Ship Type	1994		2005		2015	
	Total Supplied	Ratio	Total Supplied	Ratio	Total Supplied	Ratio
	No. of Ships	(%)	No. of Ships	(%)	No. of Ships	(%)
Container (fully)	1,786	37	4,724	37	7,267	37
Semi Container	195	86	525	86	917	86
Conventional	677	94	428	94	249	94
Dry Bulk	196	80	425	80	472	80
Oil Tanker	130	55	157	55	191	55
Ro/Ro	132	9	276	9	434	9
Other	111	32	137	32	217	32
Sub-total			133,908		252,068	
Tugs/Barges/Dredgers	504		40,860		40,860	
<b>Total</b>			<b>174,768</b>		<b>292,928</b>	

Source: SLPA

(Medium Growth Case -High Demand)

Ship Type	1994		2005		2015	
	Total Supplied	Ratio	Total Supplied	Ratio	Total Supplied	Ratio
	No. of Ships	(%)	No. of Ships	(%)	No. of Ships	(%)
Container (fully)	1,786	37	4,724	37	7,267	37
Semi Container	195	86	525	86	917	86
Conventional	677	94	428	94	249	94
Dry Bulk	196	80	425	80	472	80
Oil Tanker	130	55	157	55	191	55
Ro/Ro	132	9	276	9	434	9
Other	111	32	137	32	217	32
Sub-total			133,908		252,068	
Tugs/Barges/Dredgers	504		40,860		40,860	
<b>Total</b>			<b>174,768</b>		<b>373,585</b>	

Source: SLPA

FIGURE A.4.3.1 Standard Cross Section of Rubble Mound Type A Seawall ①  
(0.0 m to -7.0 m deep alongside)

Unit: meter

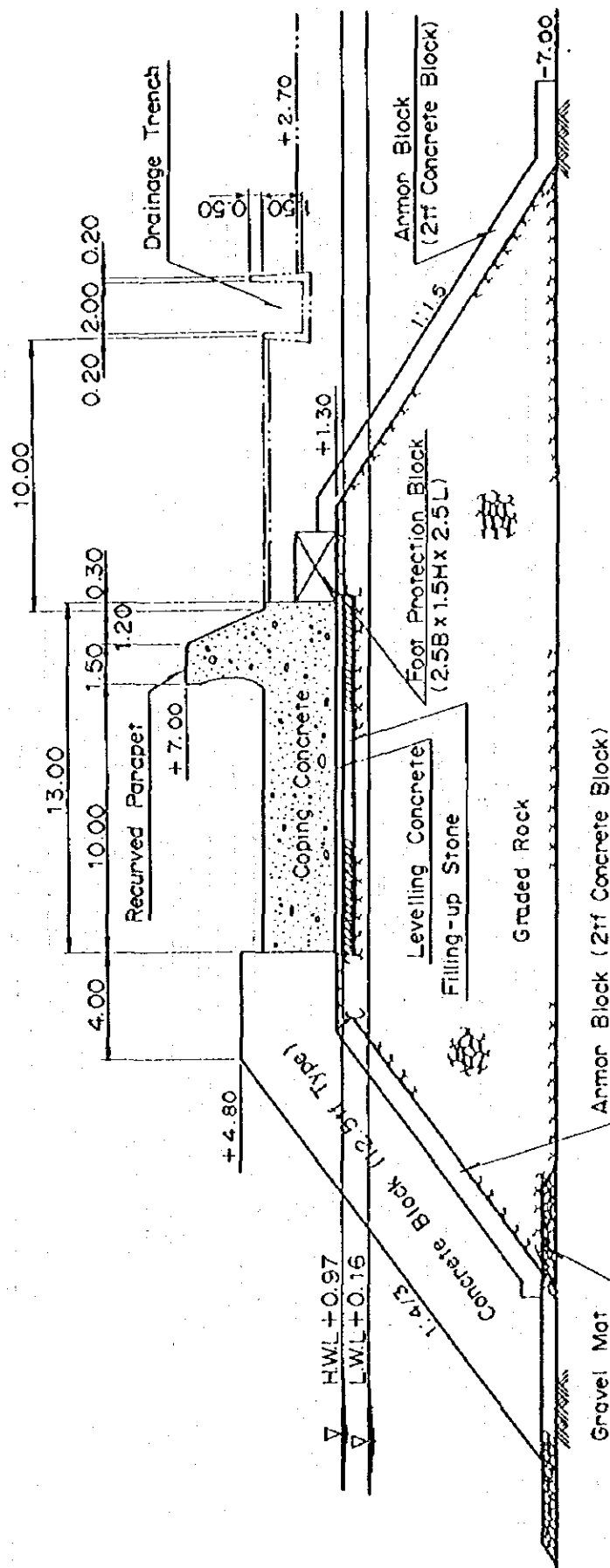


FIGURE A.4.3.2

Standard Cross Section of Concrete Caisson Type B Sea Wall ②

(-7.0 m to -12.0 m deep alongside)

Unit: meter

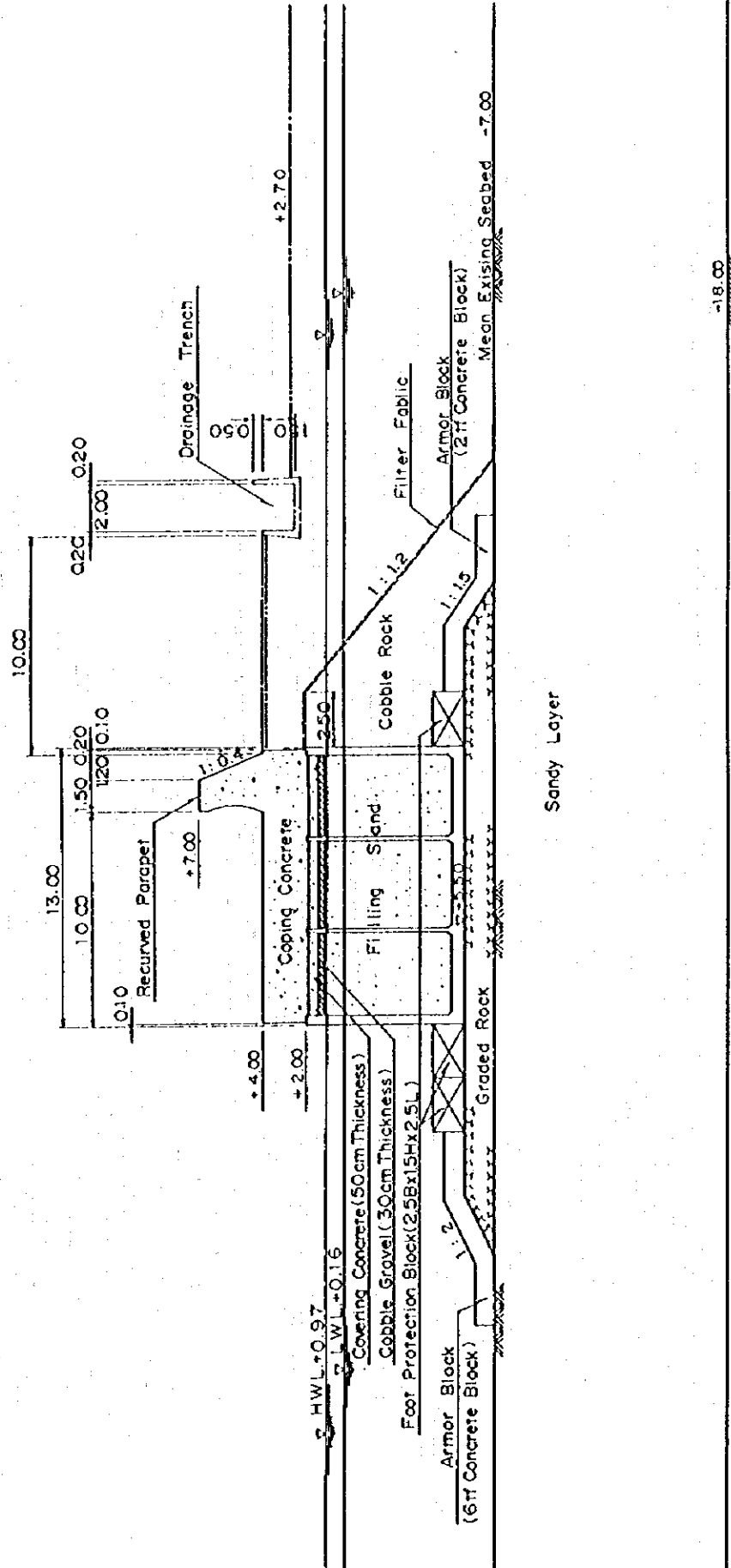


FIGURE A.4.3.3

Standard Cross Section of Concrete Caisson Type C Seawall ③

(-12.0 m to -15.0 m deep alongside)

Unit: meter

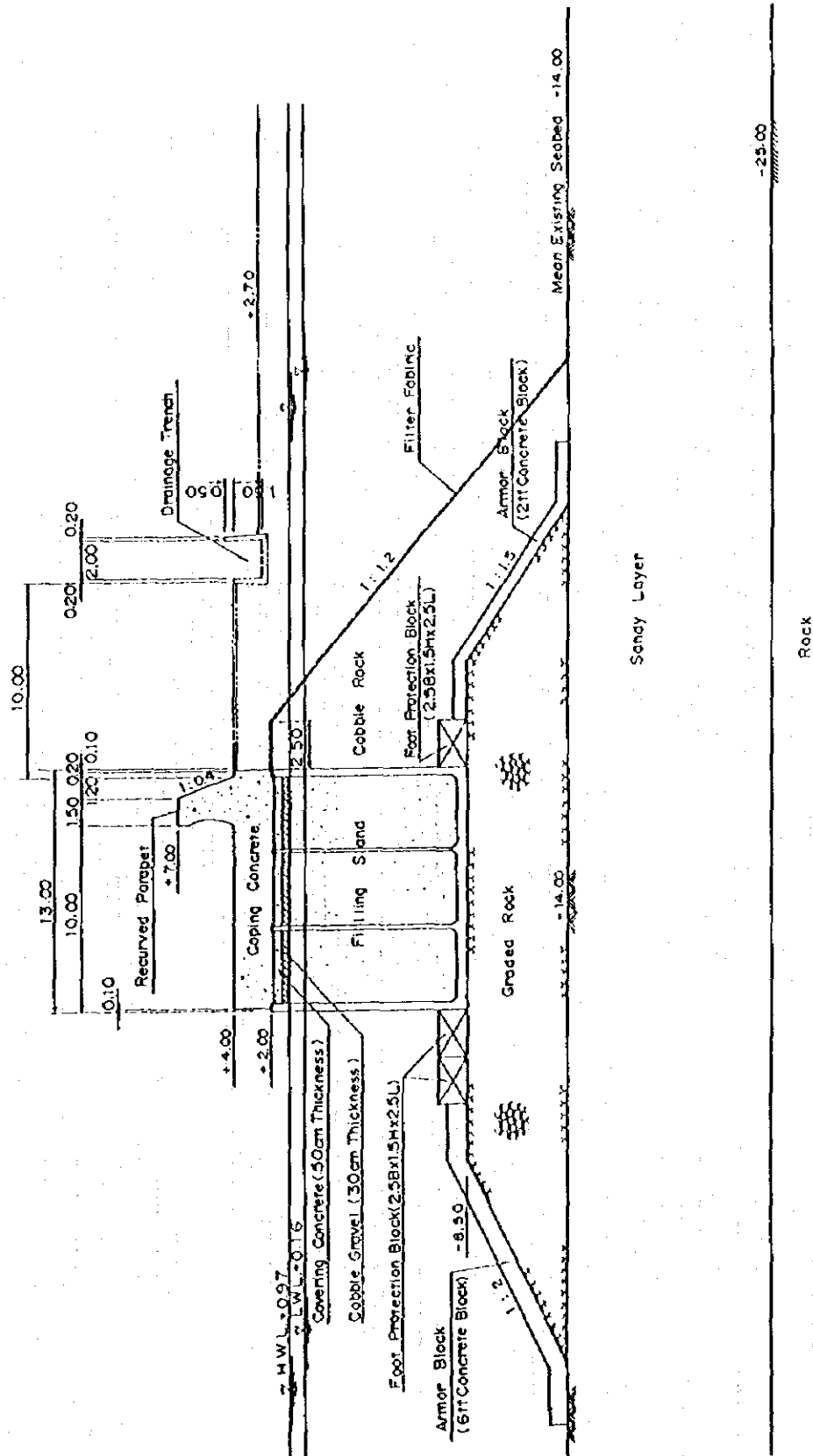


FIGURE A.4.3.4 Standard Cross Section of Concrete Caisson Type D Seawall ④

Unit: meter

(-15.0 m deep alongside)

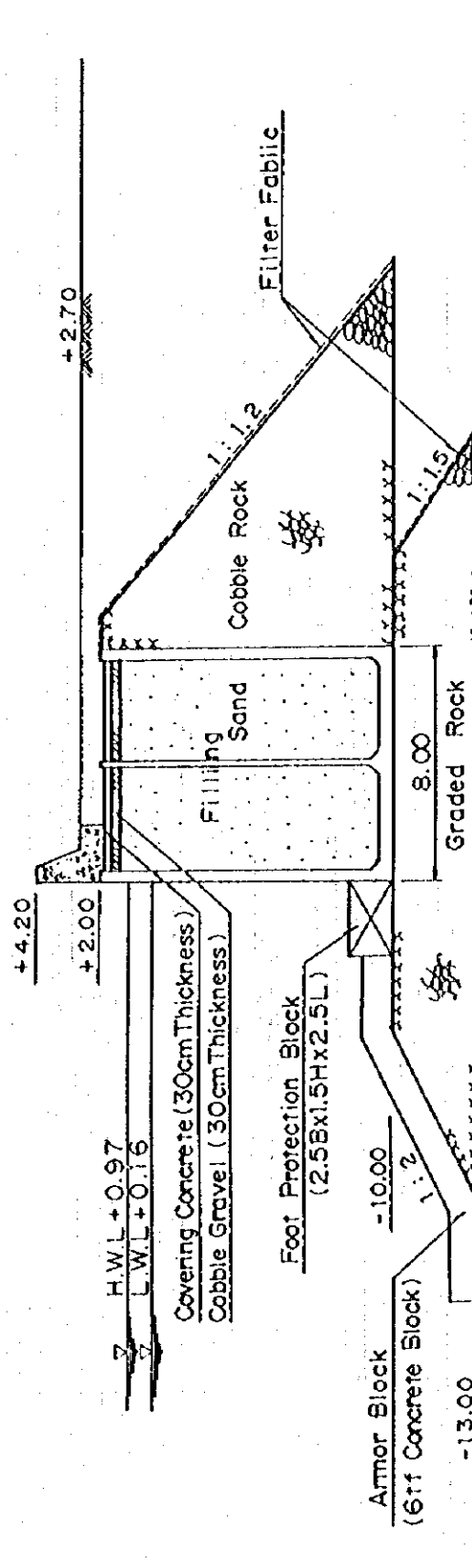




FIGURE A.4.3.5 Standard Cross Section of Concrete Caisson Type A Breakwater ⑤

(~15.0 m deep alongside)

Unit: meter

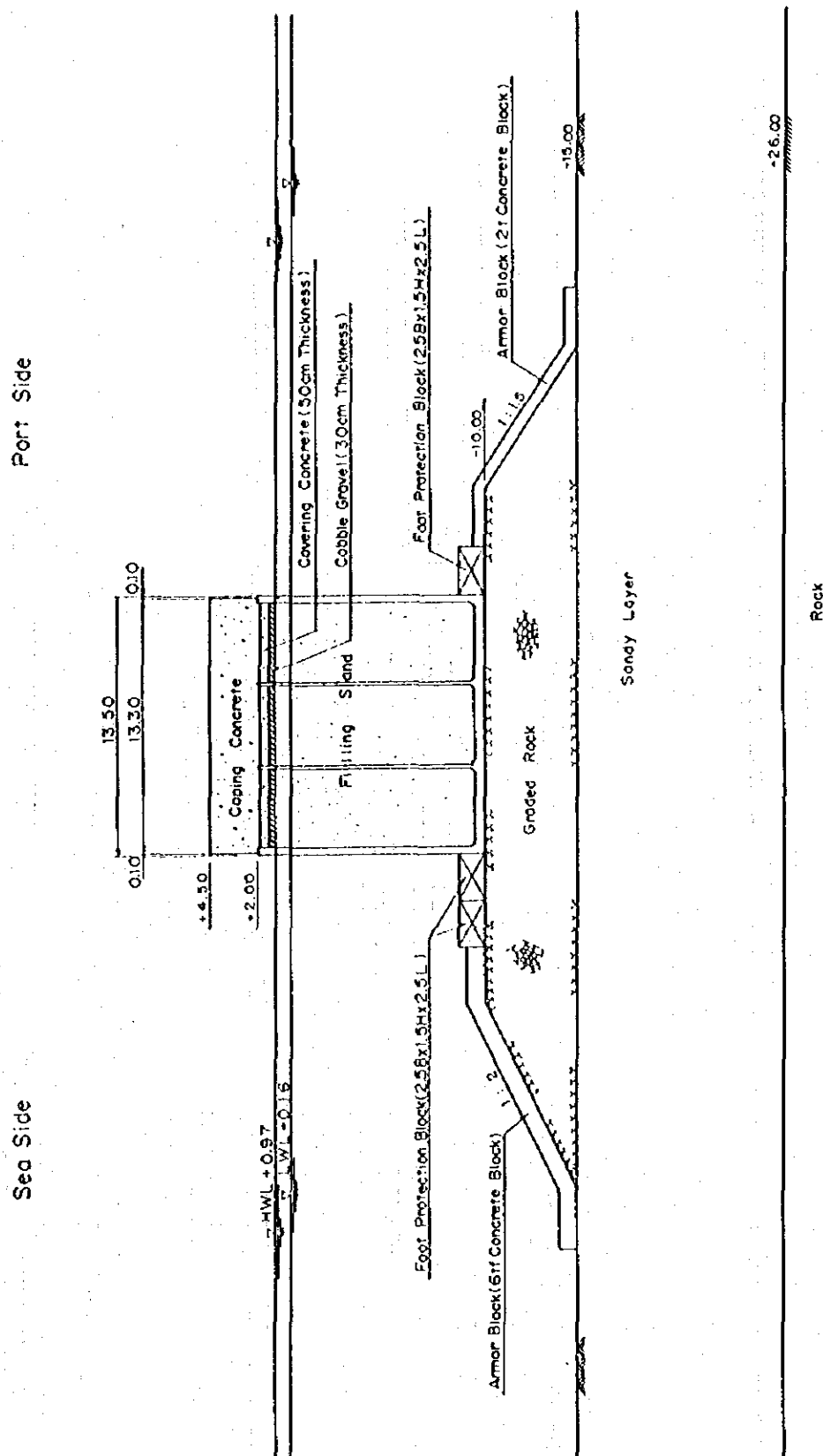
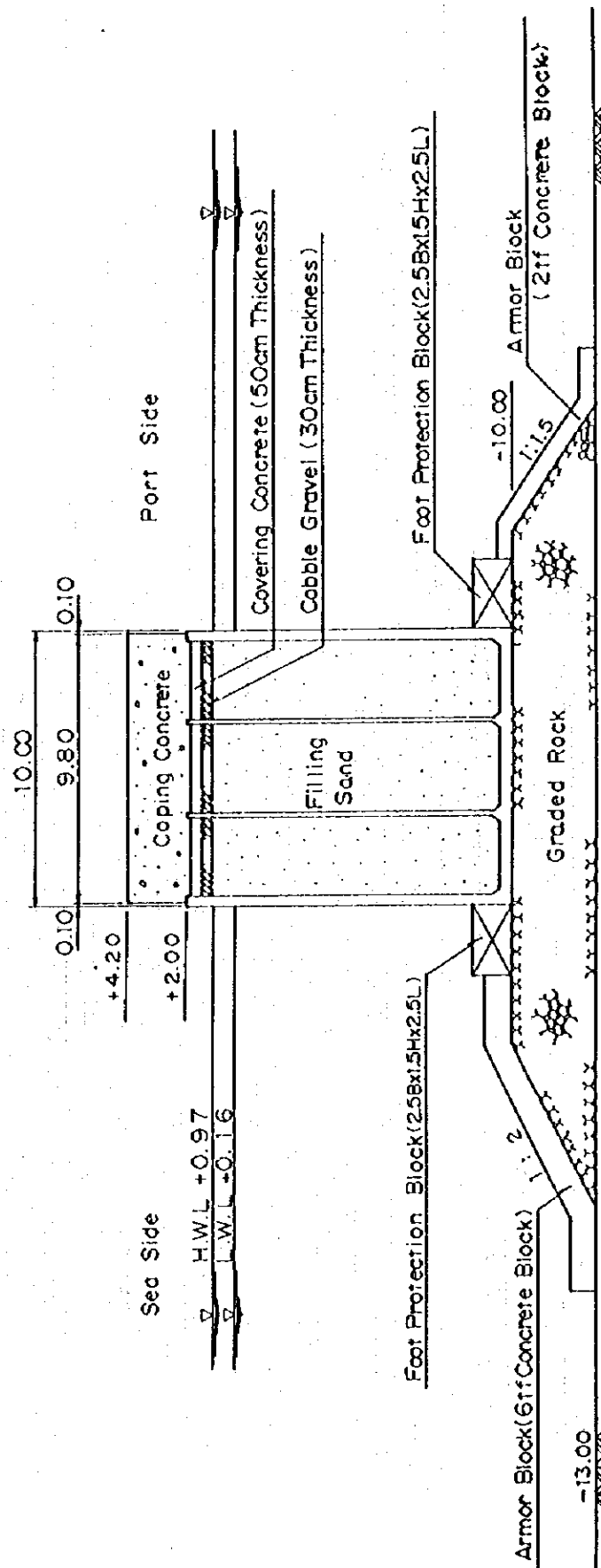


FIGURE A.4.3.6 Standard Cross Section of Concrete Caisson Type B Inner Breakwater ⑥

(-13.0 m deep alongside)

Unit: meter



Unit meter



FIGURE A.4.3.8 Standard Cross Section of -16.0 m Quaywall ⑧  
(Concrete Caisson type)

Unit: meter

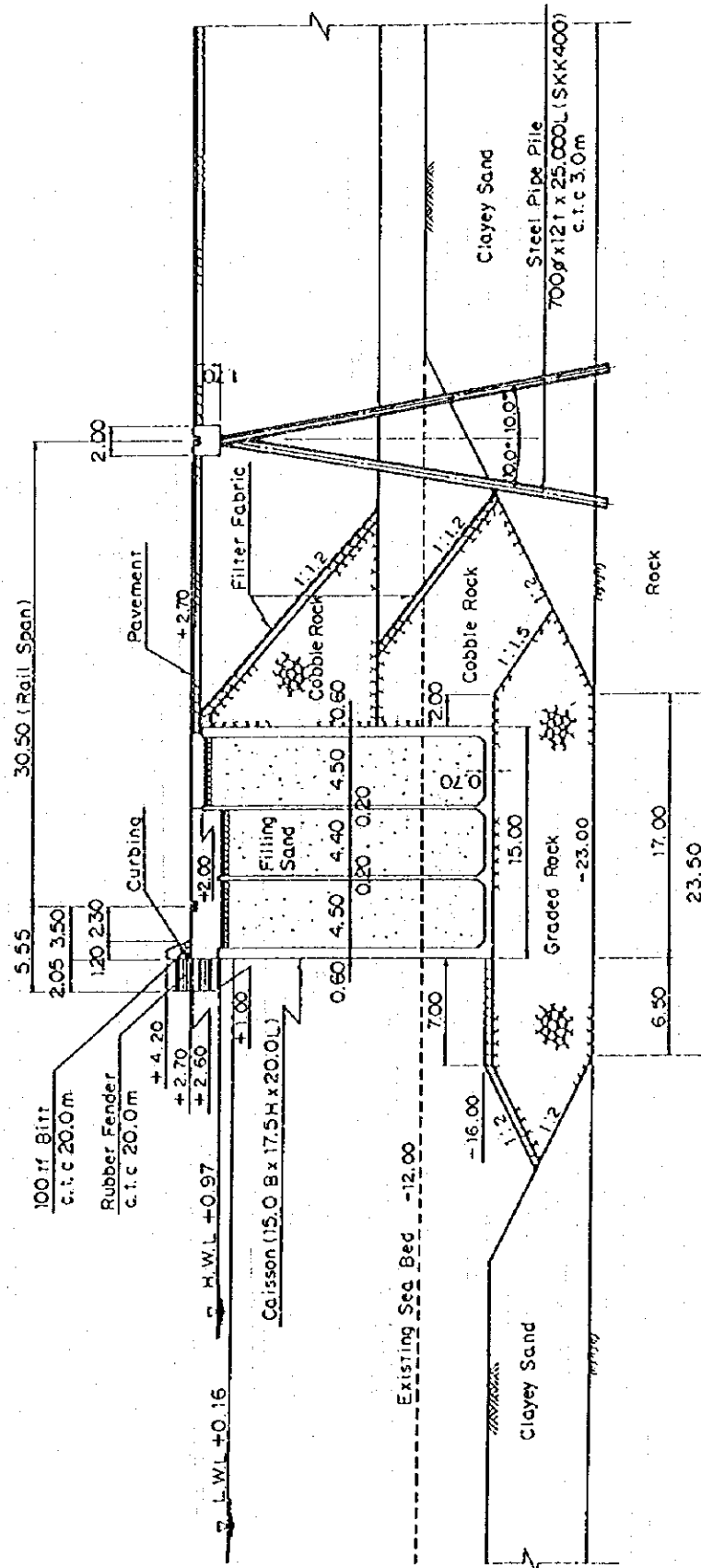
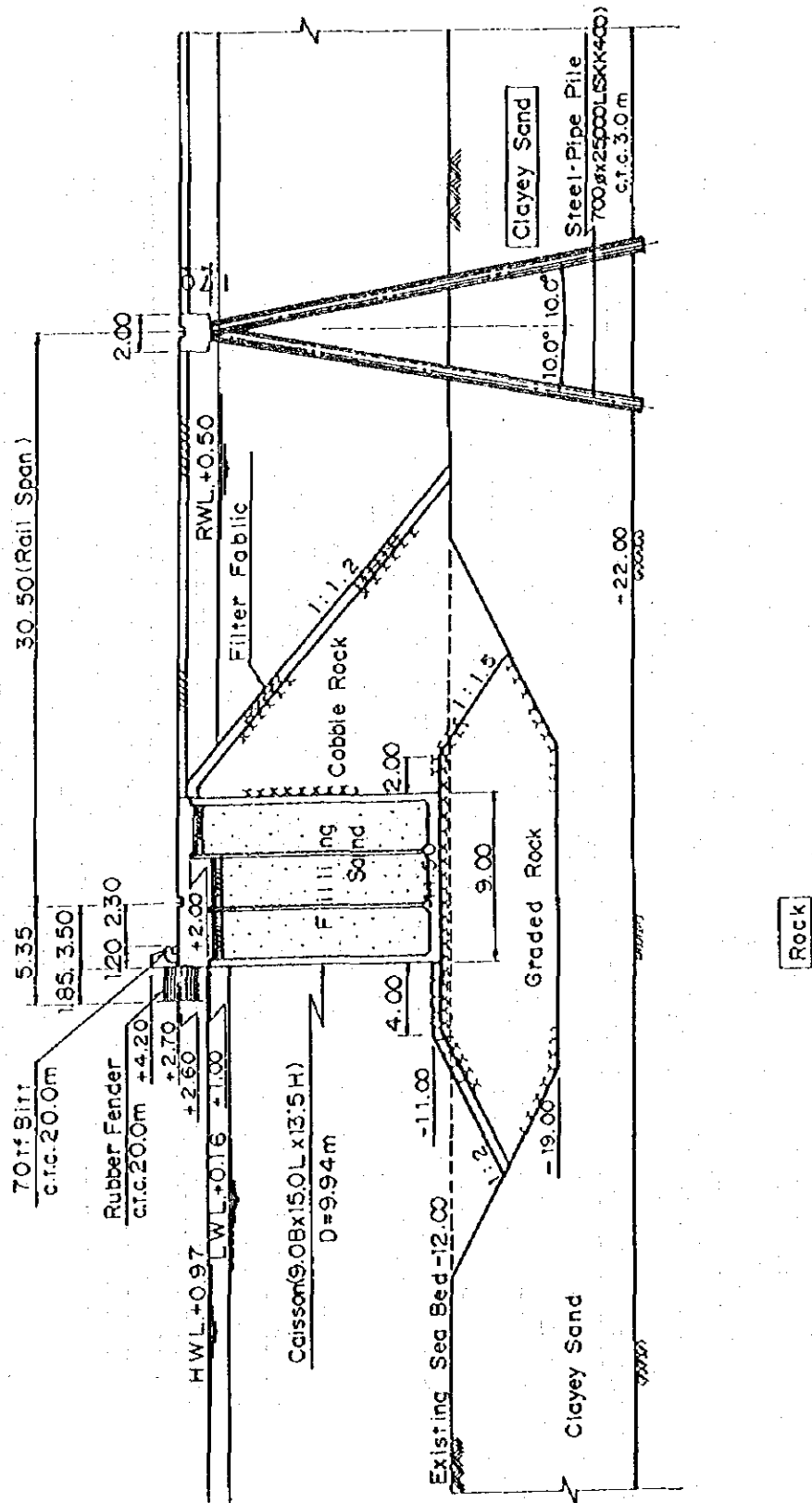


FIGURE A.4.4.1 Standard Cross Section of -11.0 m Quaywall  
(Concrete Caisson Type)

Unit: meter



**FIGURE A4.5.1 RELOCATION OF OIL PIPELINE AND SEWER OUTFALL**

The map illustrates the proposed relocation of an oil pipeline and a sewer outfall. It features a grid system with coordinates ranging from 20 to 30 on the horizontal axis and 10 to 30 on the vertical axis. The map includes topographic contour lines and various labels for geographical features and infrastructure. Key labels include 'OIL PIPELINE', 'SEWER OUTFALL', 'KELANI GALA', 'Restricted Area', and 'see Note!'. A scale bar indicates 1:30,000. The map also shows existing structures like 'Water Tower' and 'Water Pump'.

**A4-20**

**TABLE A.5.2 (1) Change of Unit Prices in Past Year  
for Graded Rock and Filling Materials**

**In Sri Lanka Rupees**

No.	Description	Specification	Unit	1995		1990		1988	
				Unit Price	Percent	Unit Price	Percent	Unit Price	Percent
1	Quarry-Rum	0-40 mm	m <sup>3</sup>	760	380.0	-		200	100.0
2	Metal	3/4 inch	m <sup>3</sup>	1,100	500.0	690	313.6	220	100.0
3	Boulder	200-500 kg	m <sup>3</sup>	850	340.0	600	240.0	250	100.0
4	Boulder	3,000 kg	m <sup>3</sup>	1,340	343.6	630	161.5	390	100.0
5	River Sand		m <sup>3</sup>	500	294.1	177	104.1	170	100.0
6	Laterite		m <sup>3</sup>	300	375.0	100	125.0	80	100.0
Data Source				SLPA Tender Price		Coast Conservation		SLPA Tender Price	
Investigation				1995, October		1990, November		1988, December	
Conversion Rate				Rs.1 = Yen 2.0000 US\$ = Rs.50.0000		Rs.1 = Yen 3.14 US\$ = Rs. 40.38		Rs.1 = Yen 3.8 US\$ = Rs. 33.03	

**In Japanese Yen**

No.	Description	Specification	Unit	1995		1990		1988	
				Unit Price	Percent	Unit Price	Percent	Unit Price	Percent
1	Quarry-Rum	0-40 mm	m <sup>3</sup>	1,520	200.0	-		760	100.0
2	Metal	3/4 inch	m <sup>3</sup>	2,200	263.2	2,167	259.2	836	100.0
3	Boulder	200-500 kg	m <sup>3</sup>	1,700	178.9	1,884	198.3	950	100.0
4	Boulder	3,000 kg	m <sup>3</sup>	2,680	180.8	1,978	133.5	1,482	100.0
5	River Sand		m <sup>3</sup>	1,000	154.8	556	86.0	646	100.0
6	Laterite		m <sup>3</sup>	600	197.4	314	103.3	304	100.0

**In US Dollar**

No.	Description	Specification	Unit	1995		1990		1988	
				Unit Price	Percent	Unit Price	Percent	Unit Price	Percent
1	Quarry-Rum	0-40 mm	m <sup>3</sup>	15.2	251.0	-		6.1	100.0
2	Metal	3/4 inch	m <sup>3</sup>	22.0	330.3	17.1	256.5	6.7	100.0
3	Boulder	200-500 kg	m <sup>3</sup>	17.0	224.6	14.9	196.3	7.6	100.0
4	Boulder	3,000 kg	m <sup>3</sup>	26.8	227.0	15.6	132.1	11.8	100.0
					194.3				
5	River Sand		m <sup>3</sup>	10.0	247.7	4.4	85.2	5.1	100.0
6	Laterite		m <sup>3</sup>	6.0		2.5	102.2	2.4	100.0

**TABLE A.5.2 (2) Change of Unit Prices in Past Years  
for Steel Products and Oil Products**

**In Sri Lanka Rupees**

No.	Description	Specification	Unit	1995		1990		1988	
				Unit Price	Percent	Unit Price	Percent	Unit Price	Percent
1	Deformed Bar	10-25 mm	ton	32,500	192.3	23,400	138.5	16,900	100.0
2	Shaped Steel	Angle, Flats	ton	31,000	170.3	23,900	131.3	18,200	100.0
3	Asphalt		liter	17.1	210.3	9.7	119.3	8.1	100.0
4	Gasoline		liter	42.0	311.1	25.0	185.2	13.5	100.0
5	Diesel		liter	12.6	155.6	11.0	135.8	8.1	100.0
Data Source				Steel Corporation		Steel Corporation		Steel Corporation	
Investigation				1995, April		1990, February		1988, December	
Conversion Rate				Rs.1 = Yen 2.0000 US\$ = Rs.50.0000		Rs.1 = Yen 3.14 US\$ = Rs. 40.38		Rs.1 = Yen 3.8 US\$ = Rs. 33.03	

**In Japanese Yen**

No.	Description	Specification	Unit	1995		1990		1988	
				Unit Price	Percent	Unit Price	Percent	Unit Price	Percent
1	Deformed Bar	10-25 mm	ton	65,000	101.2	73,476	114.4	64,220	100.0
2	Shaped Steel	Angle, Flats	ton	62,000	89.6	75,046	108.5	69,160	100.0
3	Asphalt		liter	34	110.7	30	98.6	31	100.0
4	Gasoline		liter	84	163.7	79	153.0	51	100.0
5	Diesel		liter	25	81.9	35	112.2	31	100.0

**In US Dollar**

No.	Description	Specification	Unit	1995		1990		1988	
				Unit Price	Percent	Unit Price	Percent	Unit Price	Percent
1	Deformed Bar	10-25 mm	ton	650.0	127.0	579.5	113.3	511.7	100.0
2	Shaped Steel	Angle, Flats	ton	620.0	112.5	591.9	107.4	551.0	100.0
3	Asphalt		liter	0.34	138.9	0.24	97.6	0.25	100.0
4	Gasoline		liter	0.84	205.5	0.62	151.5	0.41	100.0
5	Diesel		liter	0.25	102.8	0.27	111.1	0.25	100.0



**TABLE A.5.2 (3) Change of Unit Prices in Past Years  
for Cement, Concrete and Concrete Products**

**In Sri Lanka Rupees**

No.	Description	Specification	Unit	1995		1990		1988	
				Unit Price	Percent	Unit Price	Percent	Unit Price	Percent
1	Cement	Ordinary Portland Cement	50 kg	300	169.5	164	92.7	177	100.0
2	Concrete	Ready Mixed concrete (240g)	m³	4,400	228.6	2,781	144.5	1,925	100.0
3	Concrete Product		m³	17,700	188.3	13,930	148.2	9,400	100.0
4			m³	2,421	219.1	1,295	117.2	1,105	100.0
5			m³	13,500					
6			m³	11,744	164.0	9,990	139.5	7,163	100.0
7			m³	10,950	178.2	9,400	152.9	6,146	100.0
8			m³	8,154	165.1	6,734	136.3	4,940	100.0
9			m³	8,560	178.3	6,737	140.4	4,800	100.0
Data Source				SDCC		SDCC		SDCC	
Investigation				1995, November		1990, April		1988, March	
Conversion Rate				Rs. 1 = Yen 2.0000 US\$ = Rs. 50.0000		Rs. 1 = Yen 3.14 US\$ = Rs. 40.38		Rs. 1 = Yen 3.8 US\$ = Rs. 33.03	
SDCC: State Development & Construction Corporation									

*SDCC: State Development & Construction Corporation*

**In Japanese Yen**

No.	Description	Specification	Unit	1995		1990		1988	
				Unit Price	Percent	Unit Price	Percent	Unit Price	Percent
1	Cement	Ordinary Portland Cement	50 kg	600	89.2	515	76.6	673	100.0
2	Concrete	Ready Mixed Concrete(240g)	m <sup>3</sup>	8,800	120.3	8,732	119.4	7,315	100.0
3	Concrete Product	RCC Pile	m <sup>3</sup>	35,400	99.1	43,740	122.5	35,720	100.0
4		Vibro Hollow Building Blocks	m <sup>3</sup>	4,812	115.3	4,066	96.8	4,199	100.0
5		Paving Slabs (Reinforced)	m <sup>3</sup>	27,000					
6		PS-Beam 40'-0" long unit	m <sup>3</sup>	23,488	86.3	31,369	115.2	27,219	100.0
7		PS-Beam 14'-0" long unit	m <sup>3</sup>	21,900	93.8	29,516	126.4	23,355	100.0
8		RC-Pipes 2'0" dia x 8'0" long	m <sup>3</sup>	16,368	86.9	21,145	112.6	18,722	100.0
9		RC-Pipes 4'0" dia x 8'0" long	m <sup>3</sup>	17,120	93.9	21,145	116.0	18,240	100.0

**In US Dollar**

No.	Description	Specification	Unit	1995		1990		1988	
				Unit Price	Percent	Unit Price	Percent	Unit Price	Percent
1	Cement	Ordinary Portland Cement	50 kg	60	112.0	4.1	75.8	5.4	100.0
2	Concrete	Ready Mixed Concrete(240g)	m <sup>3</sup>	88.0	151.0	68.9	118.2	58.3	100.0
3	Concrete Product	RCC Pile	m <sup>3</sup>	354.0	124.4	345.0	121.2	284.6	100.0
4		Vibro Hollow Building Blocks	m <sup>3</sup>	48.4	144.7	32.1	95.9	33.5	100.0
5		Paving Slabs (Reinforced)	m <sup>3</sup>	270.0					
6		PS-Beam 40'-0" long unit	m <sup>3</sup>	234.9	108.3	247.4	114.1	216.9	100.0
7		PS-Beam 14'-0" long unit	m <sup>3</sup>	219.0	117.7	232.8	125.1	186.1	100.0
8		RC-Pipes 2'0" dia x 8'0" long	m <sup>3</sup>	163.1	109.0	166.8	111.5	149.6	100.0
9		RC-Pipes 4'0" dia x 8'0" long	m <sup>3</sup>	171.2	117.8	166.8	114.8	145.3	100.0

**TABLE A.5.2 (4) Change of Unit Prices in Past Years for Local Engineer and Labour**

**In Sri Lanka Rupees**

No.	Description	Unit	1995		1988	
			Unit Price	Percent	Unit Price	Percent
1	Foreman	day	800	533.3	150	100.0
2	Welder	day	700	583.3	120	100.0
3	Rigger	day	500	384.6	130	100.0
4	Operator	day	500	384.6	130	100.0
5	Skilled Labour	day	500	416.7	120	100.0
6	Unskilled Labour	day	300	375.0	80	100.0
7	Surveyor	day	1,400			
8	Engineer	day	2,000			

Investigation		1995, October		1988, December	
Conversion Rate		Rs. 1 = Yen 2.0000		Rs. 1 = Yen 3.8	
		US\$1 = Rs. 50.0000		US\$1 = Rs. 33.03	

**In Japanese Yen**

No.	Description	Unit	1995		1988	
			Unit Price	Percent	Unit Price	Percent
1	Foreman	day	1,600	280.7	570	100.0
2	Welder	day	1,400	307.0	456	100.0
3	Rigger	day	1,000	202.4	494	100.0
4	Operator	day	1,000	202.4	494	100.0
5	Skilled Labour	day	1,000	219.3	456	100.0
6	Unskilled Labour	day	600	197.4	304	100.0
7	Surveyor	day	2,800			
8	Engineer	day	4,000			

**In US Dollar**

No.	Description	Unit	1995		1988	
			Unit Price	Percent	Unit Price	Percent
1	Foreman	day	16.0	352.3	4.5	100.0
2	Welder	day	14.0	385.4	3.6	100.0
3	Rigger	day	10.0	254.1	3.9	100.0
4	Operator	day	10.0	254.1	3.9	100.0
5	Skilled Labour	day	10.0	275.3	3.6	100.0
6	Unskilled Labour	day	6.0	247.7	2.4	100.0
7	Surveyor	day	28.0			
8	Engineer	day	40.0			

**TABLE A7.6.1 Cost/Benefit Analysis of Short-term Plan (High Growth Case)**

High Case

(Unit: Million US\$)

Year	Cost				Benefit			Benefit - Cost	Net Present Value (NPV)		
	Construc- tion	Renewal Cost	Mainte- nance	Total	Benefit	Residual Value	Total		Benefit	Cost	Benefit - Cost
1997	46		0	46	0		0	-46	0	46	-46
1998	64		0	64	0		0	-64	0	53	-53
1999	115		0	115	0		0	-115	0	79	-79
2000	129		0	129	0		0	-129	0	74	-74
2001	41		6	47	109		109	62	52	22	29
2002	66		6	72	109		109	37	43	28	15
2003	154		6	160	109		109	-51	36	52	-17
2004	132		6	138	109		109	-29	30	37	-8
2005	106		12	117	149		149	32	33	26	7
2006	0		18	18	201		201	183	37	3	34
2007	0		18	18	201		201	183	31	3	28
2008	0	11	18	29	201		201	172	26	4	22
2009	0		18	18	201		201	183	21	2	20
2010	0	11	18	29	201		201	172	18	3	15
2011	0		18	18	290		290	272	21	1	20
2012	0	66	18	84	290		290	206	18	5	13
2013	0	22	18	39	290		290	251	15	2	13
2014	0		18	18	290		290	272	12	1	11
2015	0	22	18	39	290		290	251	10	1	9
2016	0	11	18	29	290		290	261	8	1	8
2017	0	104	18	122	290		290	168	7	3	4
2018	0		18	18	290		290	272	6	0	5
2019	0		18	18	290		290	272	5	0	4
2020	0	11	18	29	290		290	261	4	0	4
2021	0	22	18	39	290		290	251	3	0	3
2022	0		18	18	290		290	272	3	0	3
2023	0		18	18	290		290	272	2	0	2
2024	0	78	18	95	290		290	195	2	1	1
2025	0	19	18	37	290		290	253	2	0	1
2026	0		18	18	290		290	272	1	0	1
2027	0		18	18	290		290	272	1	0	1
2028	0		18	18	290		290	272	1	0	1
2029	0	112	18	129	290		290	161	1	0	0
2030	0	14	18	32	290		290	258	1	0	1
2031	0		18	18	290		290	272	1	0	0
2032	0	11	18	29	290		290	261	0	0	0
2033	0		18	18	290		290	272	0	0	0
2034	0		18	18	290		290	272	0	0	0
2035	0	34	18	51	290	104	394	343	0	0	0
Total	853	549	562	1,964	6,107	104	8,944	6,980	450	450	0

EIRR= 0.20521

**TABLE A7.6.2 Cost/Benefit Analysis of Short-term Plan (Medium Growth Case)**

Medium Case

(Unit: Million US\$)

Year	Cost				Benefit			Benefit - Cost	Net Present Value (NPV)		
	Construc- tion	Renewal Cost	Mainte- nance	Total	Benefit	Residual Value	Total		Benefit	Cost	Benefit - Cost
1997	46		0	46	0		0	-46	0	46	-46
1998	64		0	64	0		0	-64	0	54	-54
1999	115		0	115	0		0	-115	0	81	-81
2000	129		0	129	0		0	-129	0	77	-77
2001	41		0	41	36		36	-5	18	21	-3
2002	66		0	66	73		73	7	31	28	3
2003	154		2	155	109		109	-46	39	56	-17
2004	132		3	135	129		129	-6	39	41	-2
2005	106		5	110	149		149	39	38	28	10
2006	0		6	6	162		162	156	35	1	33
2007	0		8	8	175		175	168	31	1	30
2008	0		9	9	201		201	192	30	1	29
2009	0		11	11	201		201	191	26	1	24
2010	0	11	12	23	201		201	178	22	3	19
2011	0		14	14	223		223	210	20	1	19
2012	0	66	15	81	246		246	164	19	6	13
2013	0	22	17	38	268		268	229	17	2	15
2014	0		18	18	290		290	272	16	1	15
2015	0	22	18	39	290		290	251	13	2	11
2016	0	11	18	29	290		290	261	11	1	10
2017	0	104	18	122	290		290	168	9	4	5
2018	0		18	18	290		290	272	8	0	7
2019	0		18	18	290		290	272	7	0	6
2020	0	11	18	29	290		290	261	6	1	5
2021	0	22	18	39	290		290	251	5	1	4
2022	0		18	18	290		290	272	4	0	4
2023	0		18	18	290		290	272	3	0	3
2024	0	78	18	95	290		290	195	3	1	2
2025	0	19	18	37	290		290	253	2	0	2
2026	0		18	18	290		290	272	2	0	2
2027	0		18	18	290		290	272	2	0	2
2028	0		18	18	290		290	272	1	0	1
2029	0	112	18	129	290		290	161	1	1	1
2030	0	14	18	32	290		290	258	1	0	1
2031	0		18	18	290		290	272	1	0	1
2032	0	11	18	29	290		290	261	1	0	1
2033	0		18	18	290		290	272	1	0	1
2034	0		18	18	290		290	272	1	0	0
2035	0	34	18	51	290	104	394	343	1	0	1
Total	853	549	485	1,876	6,197	104	8,656	6,781	462	462	0

EIRR= 0.18708

**TABLE A7.6.3 Cost/Benefit Analysis of Short-term Plan (Low Growth Case)**

Low Case

(Unit: Million US\$)

Year	Cost				Benefit			Benefit - Cost	Net Present Value (NPV)		
	Construction	Renewal Cost	Maintenance	Total	Benefit	Residual Value	Total		Benefit	Cost	Benefit - Cost
1997	46		0	46	0		0	-46	0	46	-46
1998	64		0	64	0		0	-64	0	58	-58
1999	115		0	115	0		0	-115	0	92	-92
2000	129		0	129	0		0	-129	0	93	-93
2001	41		0	41	0		0	-41	0	27	-27
2002	66		0	66	0		0	-66	0	38	-38
2003	154		2	155	17		17	-139	9	81	-72
2004	132		3	135	34		34	-101	16	63	-47
2005	106		5	110	50		50	-60	21	46	-25
2006	0		6	6	67		67	61	25	2	23
2007	0		8	8	84		84	76	28	3	26
2008	0		9	9	101		101	92	30	3	28
2009	0		11	11	117		117	107	32	3	29
2010	0	11	12	23	134		134	111	33	6	27
2011	0		14	14	151		151	137	33	3	30
2012	0	66	15	81	168		168	86	33	16	17
2013	0	22	17	38	184		184	146	32	7	26
2014	0		18	18	201		201	183	32	3	29
2015	0	22	18	39	210		210	171	30	6	24
2016	0	11	18	29	219		219	190	28	4	24
2017	0	104	18	122	228		228	106	26	14	12
2018	0		18	18	237		237	219	24	2	22
2019	0		18	18	246		246	228	22	2	21
2020	0	11	18	29	254		254	225	21	2	19
2021	0	22	18	39	263		263	224	19	3	16
2022	0		18	18	272		272	255	18	1	17
2023	0		18	18	281		281	264	17	1	16
2024	0	78	18	95	290		290	195	15	5	10
2025	0	19	18	37	290		290	253	14	2	12
2026	0		18	18	290		290	272	12	1	12
2027	0		18	18	290		290	272	11	1	10
2028	0		18	18	290		290	272	10	1	9
2029	0	112	18	129	290		290	161	9	4	5
2030	0	14	18	32	290		290	258	8	1	7
2031	0		18	18	290		290	272	7	0	7
2032	0	11	18	29	290		290	261	6	1	6
2033	0		18	18	290		290	272	6	0	5
2034	0		18	18	290		290	272	5	0	5
2035	0	34	18	51	290	104	394	343	6	1	6
Total	853	549	485	1,876	6,197	104	7,100	5,224	639	639	0

EIRR= 0.11480

**TABLE A7.6.4 Cost/Benefit Analysis of Short-term Plan (High Growth Case)**

High Case (Sensitivity: Benefit-10%, Maintenance+10%)

(Unit: Million US\$)

Year	Cost				Benefit			Benefit - Cost	Net Present Value (NPV)		
	Construction	Renewal Cost	Maintenance	Total	Benefit	Residual Value	Total		Benefit	Cost	Benefit - Cost
1997	46		0	46	0		0	-46	0	46	-46
1998	64		0	64	0		0	-64	0	54	-54
1999	115		0	115	0		0	-115	0	82	-82
2000	129		0	129	0		0	-129	0	78	-78
2001	41		6	48	98		98	50	50	24	26
2002	66		6	72	98		98	26	42	31	11
2003	154		6	160	98		98	-62	35	58	-22
2004	132		6	138	98		98	-40	30	42	-12
2005	106		13	118	134		134	16	35	30	4
2006	0		19	19	181		181	162	39	4	35
2007	0		19	19	181		181	162	33	4	30
2008	0	11	19	31	181		181	150	28	5	23
2009	0		19	19	181		181	162	24	3	21
2010	0	11	19	31	181		181	150	20	3	17
2011	0		19	19	261		261	242	24	2	22
2012	0	66	19	86	261		261	175	20	7	14
2013	0	22	19	41	261		261	220	17	3	15
2014	0		19	19	261		261	242	15	1	14
2015	0	22	19	41	261		261	220	12	2	10
2016	0	11	19	31	261		261	230	10	1	9
2017	0	104	19	124	261		261	137	9	4	5
2018	0		19	19	261		261	242	7	1	7
2019	0		19	19	261		261	242	6	0	6
2020	0	11	19	31	261		261	230	5	1	5
2021	0	22	19	41	261		261	220	4	1	4
2022	0		19	19	261		261	242	4	0	3
2023	0		19	19	261		261	242	3	0	3
2024	0	78	19	97	261		261	164	3	1	2
2025	0	19	19	39	261		261	222	2	0	2
2026	0		19	19	261		261	242	2	0	2
2027	0		19	19	261		261	242	2	0	1
2028	0		19	19	261		261	242	1	0	1
2029	0	112	19	131	261		261	130	1	1	1
2030	0	14	19	33	261		261	228	1	0	1
2031	0		19	19	261		261	242	1	0	1
2032	0	11	19	31	261		261	230	1	0	1
2033	0		19	19	261		261	242	1	0	1
2034	0		19	19	261		261	242	0	0	0
2035	0	34	19	53	261	114	354	302	1	0	0
Total	853	537	618	2,020	7,956	114	8,049	6,030	489	489	0

EIRR= 0.18487

**TABLE A7.6.5 Cost/Benefit Analysis of Short-term Plan (Medium Growth Case)**

Medium Case (Sensitivity: Benefit-10%, Maintenance+10%)

(Unit: Million US\$)

Year	Cost				Benefit			Benefit - Cost	Net Present Value (NPV)		
	Construction	Renewal Cost	Maintenance	Total	Benefit	Residual Value	Total		Benefit	Cost	Benefit - Cost
1997	46		0	46	0		0	-46	0	46	-46
1998	64		0	64	0		0	-64	0	55	-55
1999	115		0	115	0		0	-115	0	84	-84
2000	129		0	129	0		0	-129	0	81	-81
2001	41		0	41	33		33	-9	17	22	-5
2002	66		0	66	65		65	-1	30	30	-0
2003	154		2	156	98		98	-57	38	61	-22
2004	132		3	135	116		116	-19	39	45	-6
2005	106		5	111	134		134	24	38	31	7
2006	0		7	7	146		146	139	35	2	34
2007	0		8	8	158		158	149	33	2	31
2008	0		10	10	181		181	171	32	2	30
2009	0		12	12	181		181	169	27	2	26
2010	0	11	13	25	181		181	156	23	3	20
2011	0		15	15	201		201	186	22	2	21
2012	0	66	17	83	221		221	138	21	8	13
2013	0	22	18	40	241		241	201	19	3	16
2014	0		19	19	261		261	242	18	1	17
2015	0	22	19	41	261		261	220	15	2	13
2016	0	11	19	31	261		261	230	13	2	12
2017	0	104	19	124	261		261	137	11	5	6
2018	0		19	19	261		261	242	10	1	9
2019	0		19	19	261		261	242	8	1	8
2020	0	11	19	31	261		261	230	7	1	6
2021	0	22	19	41	261		261	220	6	1	5
2022	0		19	19	261		261	242	5	0	5
2023	0		19	19	261		261	242	4	0	4
2024	0	78	19	97	261		261	164	4	1	2
2025	0	19	19	39	261		261	222	3	0	3
2026	0		19	19	261		261	242	3	0	3
2027	0		19	19	261		261	242	2	0	2
2028	0		19	19	261		261	242	2	0	2
2029	0	112	19	131	261		261	130	2	1	1
2030	0	14	19	33	261		261	228	1	0	1
2031	0		19	19	261		261	242	1	0	1
2032	0	11	19	31	261		261	230	1	0	1
2033	0		19	19	261		261	242	1	0	1
2034	0		19	19	261		261	242	1	0	1
2035	0	34	19	53	261	104	365	312	1	0	1
Total	853	537	534	1,924			7,801	5,877	495	495	0

EIRR= 0.17043

**TABLE A7.6.6 Cost/Benefit Analysis of Short-term Plan (Low Growth Case)**

Low Case (Sensitivity: Benefit-10%, Maintenance+10%)

(Unit: Million US\$)

Year	Cost				Benefit			Benefit - Cost	Net Present Value (NPV)		
	Construction	Renewal Cost	Maintenance	Total	Benefit	Residual Value	Total		Benefit	Cost	Benefit - Cost
1997	46		0	46	0		0	-46	0	46	-46
1998	64		0	64	0		0	-64	0	58	-58
1999	115		0	115	0		0	-115	0	94	-94
2000	129		0	129	0		0	-129	0	96	-96
2001	41		0	41	0		0	-41	0	28	-28
2002	66		0	66	0		0	-66	0	40	-40
2003	154		2	156	15		15	-140	8	86	-77
2004	132		3	135	30		30	-105	15	67	-52
2005	106		5	111	45		45	-65	20	50	-29
2006	0		7	7	60		60	54	25	3	22
2007	0		8	8	75		75	67	28	3	25
2008	0		10	10	90		90	81	30	3	27
2009	0		12	12	106		106	94	32	3	28
2010	0	11	13	25	121		121	96	33	7	26
2011	0		15	15	136		136	121	34	4	30
2012	0	66	17	83	151		151	68	34	19	15
2013	0	22	18	40	166		166	126	34	8	26
2014	0		19	19	181		181	162	33	4	30
2015	0	22	19	41	189		189	148	31	7	25
2016	0	11	19	31	197		197	166	30	5	25
2017	0	104	19	124	205		205	81	28	17	11
2018	0		19	19	213		213	194	26	2	24
2019	0		19	19	221		221	202	25	2	23
2020	0	11	19	31	229		229	198	23	3	20
2021	0	22	19	41	237		237	196	22	4	18
2022	0		19	19	245		245	226	20	2	19
2023	0		19	19	253		253	234	19	1	18
2024	0	78	19	97	261		261	164	18	7	11
2025	0	19	19	39	261		261	222	16	2	14
2026	0		19	19	261		261	242	15	1	13
2027	0		19	19	261		261	242	13	1	12
2028	0		19	19	261		261	242	12	1	11
2029	0	112	19	131	261		261	130	11	5	5
2030	0	14	19	33	261		261	228	10	1	9
2031	0		19	19	261		261	242	9	1	8
2032	0	11	19	31	261		261	230	8	1	7
2033	0		19	19	261		261	242	7	1	7
2034	0		19	19	261		261	242	7	0	6
2035	0	34	19	53	261	104	365	312	8	1	7
Total	853	537	534	1,924			6,400	4,476	683	683	0

EIRR= 0.10471



**TABLE A8.1.1(1) Revenues from the Berths Operated by SLPA  
- Scenario 1 (Medium Growth Case)**

(a) Unit Revenue		
(a1) Container Domestic (US\$/1,000TEU)		163.47
(a2) Container Transshipment (US\$/1,000TEU)		43.77
(a3) Conventional Cargo Total (US\$/1,000tons)		3.18

	1994 -	2005 -	2015 -
Container Domestic (000TEU)	288	767	1,444
Share (%)	30.2%	26.3%	27.4%
Container Transshipment (000TEU)	666	2,145	3,835
Share (%)	69.8%	73.7%	72.6%
Container Total (000TEU)	954	2,912	5,279
Share (%)	100.0%	100.0%	100.0%

Revenue from the berths operated by SLPA

Cargo Volume (Low Growth Case)					Total Revenue	Cargo Volume (Medium Growth Case)					Total Revenue
Year	Container Domestic	Container Transshipment	Container Total	Conventional Cargo Total	(1)*(a1)+ (2)*(a2)+ (4)*(a3)	Year	Container Domestic	Container Transshipment	Container Total	Conventional Cargo Total	(1)*(a1)+ (2)*(a2)+ (4)*(a3)
1997	0	0	0	0	0	1997	0	0	0	0	0
1998	0	0	0	0	0	1998	0	0	0	0	0
1999	0	0	0	0	0	1999	0	0	0	0	0
2000	0	0	0	0	0	2000	0	0	0	0	0
2001	0	0	0	0	0	2001	91	209	300	0	23,973
2002	20	45	65	0	5,187	2002	144	334	478	0	38,195
2003	58	134	191	0	15,284	2003	151	349	500	0	39,954
2004	96	222	318	0	25,382	2004	151	349	500	0	39,954
2005	117	327	444	0	33,434	2005	263	737	1000	0	75,301
2006	165	460	625	38	47,154	2006	339	947	1286	38	96,935
2007	202	566	768	38	57,967	2007	401	1,121	1522	38	114,759
2008	240	672	912	38	68,780	2008	431	1,206	1637	38	123,389
2009	278	777	1,055	38	79,594	2009	431	1,206	1637	38	123,389
2010	316	883	1,199	38	90,407	2010	431	1,206	1637	38	123,389
2011	354	989	1,343	38	101,220	2011	431	1,206	1637	38	123,389
2012	391	1,095	1,486	38	112,033	2012	431	1,206	1637	38	123,389
2013	429	1,201	1,630	38	122,846	2013	431	1,206	1637	38	123,389
2014	431	1,206	1,637	38	123,389	2014	431	1,206	1637	38	123,389
2015	448	1,189	1,637	38	125,376	2015	448	1,189	1637	38	125,376
2016	448	1,189	1,637	38	125,376	2016	448	1,189	1637	38	125,376
2017	448	1,189	1,637	38	125,376	2017	448	1,189	1637	38	125,376
2018	448	1,189	1,637	38	125,376	2018	448	1,189	1637	38	125,376
2019	448	1,189	1,637	38	125,376	2019	448	1,189	1637	38	125,376
2020	448	1,189	1,637	38	125,376	2020	448	1,189	1637	38	125,376
2021	448	1,189	1,637	38	125,376	2021	448	1,189	1637	38	125,376
2022	448	1,189	1,637	38	125,376	2022	448	1,189	1637	38	125,376
2023	448	1,189	1,637	38	125,376	2023	448	1,189	1637	38	125,376
2024	448	1,189	1,637	38	125,376	2024	448	1,189	1637	38	125,376
2025	448	1,189	1,637	38	125,376	2025	448	1,189	1637	38	125,376
2026	448	1,189	1,637	38	125,376	2026	448	1,189	1637	38	125,376
2027	448	1,189	1,637	38	125,376	2027	448	1,189	1637	38	125,376
2028	448	1,189	1,637	38	125,376	2028	448	1,189	1637	38	125,376
2029	448	1,189	1,637	38	125,376	2029	448	1,189	1637	38	125,376
2030	448	1,189	1,637	38	125,376	2030	448	1,189	1637	38	125,376
2031	448	1,189	1,637	38	125,376	2031	448	1,189	1637	38	125,376
2032	448	1,189	1,637	38	125,376	2032	448	1,189	1637	38	125,376
2033	448	1,189	1,637	38	125,376	2033	448	1,189	1637	38	125,376
2034	448	1,189	1,637	38	125,376	2034	448	1,189	1637	38	125,376
2035	448	1,189	1,637	38	125,376	2035	448	1,189	1637	38	125,376

**TABLE A8.1.1(2) Other Revenues - Scenario 1 (Medium Growth Case)**

(u) Unit Revenue (Marine Service, etc.)	
(u1) Container Domestic (US\$/1,000TEU)	1.223
(u2) Container Transhipment (US\$/1,000TEU)	0.611
(u3) Conventional Cargo Total (US\$/1,000tons)	0.119

Revenue from Marine Service, etc (for the ships which use QEQ NO9-11 opened in 2013)

Cargo Volume (Low Growth Case)						Cargo Volume (Medium Growth Case)					
Year	Container Domestic	Container Transhipment	Container Total	Conventional Cargo Total	Total Revenue (1)*(u1)+(2)*(u2)+(4)*(u3)	Year	Container Domestic	Container Transhipment	Container Total	Conventional Cargo Total	Total Revenue (1)*(u1)+(2)*(u2)+(4)*(u3)
(1)	(2)	(1)+(2)=(3)	(4)			(1)	(2)	(1)+(2)=(3)	(4)		
1997	0	0	0	0	0	1997	0	0	0	0	0
1998	0	0	0	0	0	1998	0	0	0	0	0
1999	0	0	0	0	0	1999	0	0	0	0	0
2000	0	0	0	0	0	2000	0	0	0	0	0
2001	0	0	0	0	0	2001	0	0	0	0	0
2002	0	0	0	0	0	2002	0	0	0	0	0
2003	0	0	0	0	0	2003	0	0	0	0	0
2004	0	0	0	0	0	2004	0	0	0	0	0
2005	0	0	0	0	0	2005	0	0	0	0	0
2006	0	0	0	0	0	2006	0	0	0	0	0
2007	0	0	0	0	0	2007	0	0	0	0	0
2008	0	0	0	0	0	2008	0	0	0	0	0
2009	0	0	0	0	0	2009	0	0	0	0	0
2010	0	0	0	0	0	2010	0	0	0	0	0
2011	0	0	0	0	0	2011	229	640	869	0	671
2012	0	0	0	0	0	2012	291	815	1106	0	854
2013	8	22	30	0	23	2013	354	989	1343	0	1,037
2014	45	128	173	0	134	2014	405	1,132	1537	0	1,187
2015	87	230	317	0	247	2015	420	1,117	1537	0	1,197
2016	126	335	461	0	359	2016	420	1,117	1537	0	1,197
2017	165	439	604	0	470	2017	420	1,117	1537	0	1,197
2018	205	543	748	0	582	2018	420	1,117	1537	0	1,197
2019	244	648	891	0	694	2019	420	1,117	1537	0	1,197
2020	283	752	1,035	0	806	2020	420	1,117	1537	0	1,197
2021	322	856	1,179	0	918	2021	420	1,117	1537	0	1,197
2022	362	961	1,322	0	1,030	2022	420	1,117	1537	0	1,197
2023	401	1,065	1,466	0	1,141	2023	420	1,117	1537	0	1,197
2024	420	1,117	1,537	0	1,197	2024	420	1,117	1537	0	1,197
2025	420	1,117	1,537	0	1,197	2025	420	1,117	1537	0	1,197
2026	420	1,117	1,537	0	1,197	2026	420	1,117	1537	0	1,197
2027	420	1,117	1,537	0	1,197	2027	420	1,117	1537	0	1,197
2028	420	1,117	1,537	0	1,197	2028	420	1,117	1537	0	1,197
2029	420	1,117	1,537	0	1,197	2029	420	1,117	1537	0	1,197
2030	420	1,117	1,537	0	1,197	2030	420	1,117	1537	0	1,197
2031	420	1,117	1,537	0	1,197	2031	420	1,117	1537	0	1,197
2032	420	1,117	1,537	0	1,197	2032	420	1,117	1537	0	1,197
2033	420	1,117	1,537	0	1,197	2033	420	1,117	1537	0	1,197
2034	420	1,117	1,537	0	1,197	2034	420	1,117	1537	0	1,197
2035	420	1,117	1,537	0	1,197	2035	420	1,117	1537	0	1,197

2006 -	
Royalty Revenue	7,618

**TABLE A8.1.1(3) Revenues from the Berths Operated by SLPA  
- Scenario 1 (Low Growth Case)**

(u) Unit Revenue	1997 -	2001 -	2011 -	1994 -	2005 -	2015 -
				Cont. Domestic (000TEU)	767	1,444
(u1) Container Domestic (US\$/1,000TEU)	163.47	163.47	163.47	Share (%)	30.2%	27.4%
(u2) Container Transhipment (US\$/1,000TEU)	43.77	49.97	57.40	Cont. T / S (000TEU)	655	2,145
(u3) Conventional Cargo Total (US\$/1,000tons)	3.18	3.18	3.18	Share (%)	69.8%	72.6%
				Container Total (000TEU)	954	2,912
				Share (%)	100.0%	100.0%

Revenue from the berths operated by SLPA

Cargo Volume (Low Growth Case)					Total Revenue (1)*(u1)+ (2)*(u2)+ (4)*(u3)	Cargo Volume (Medium Growth Case)					Total Revenue (1)*(u1)+ (2)*(u2)+ (4)*(u3)
Year	Container Domestic (1)	Container Transhipment (2)	Container Total (1)+(2)=(3)	Conventional Cargo Total (4)		Year	Container Domestic (1)	Container Transhipment (2)	Container Total (1)+(2)=(3)	Conventional Cargo Total (4)	
1997	0	0	0	0	0	1997	0	0	0	0	0
1998	0	0	0	0	0	1998	0	0	0	0	0
1999	0	0	0	0	0	1999	0	0	0	0	0
2000	0	0	0	0	0	2000	0	0	0	0	0
2001	0	0	0	0	0	2001	91	209	300	0	25,270
2002	20	45	65	0	5,467	2002	144	334	478	0	40,263
2003	58	134	191	0	16,111	2003	151	349	500	0	42,116
2004	95	222	318	0	26,755	2004	151	349	500	0	42,116
2005	117	327	444	0	35,459	2005	263	737	1000	0	79,863
2006	165	450	625	38	50,003	2006	339	947	1286	38	102,800
2007	202	555	768	38	61,471	2007	401	1,121	1522	38	121,704
2008	240	672	912	38	72,940	2008	431	1,205	1637	38	130,856
2009	278	777	1,055	38	84,408	2009	431	1,205	1637	38	130,856
2010	315	883	1,199	38	95,876	2010	431	1,205	1637	38	130,856
2011	354	989	1,343	38	114,694	2011	431	1,205	1637	38	139,818
2012	391	1,095	1,486	38	126,949	2012	431	1,205	1637	38	139,818
2013	429	1,201	1,630	38	139,203	2013	431	1,205	1637	38	139,818
2014	431	1,206	1,637	38	139,818	2014	431	1,205	1637	38	139,818
2015	448	1,189	1,637	38	141,579	2015	448	1,189	1,637	38	141,579
2016	448	1,189	1,637	38	141,579	2016	448	1,189	1,637	38	141,579
2017	448	1,189	1,637	38	141,579	2017	448	1,189	1,637	38	141,579
2018	448	1,189	1,637	38	141,579	2018	448	1,189	1,637	38	141,579
2019	448	1,189	1,637	38	141,579	2019	448	1,189	1,637	38	141,579
2020	448	1,189	1,637	38	141,579	2020	448	1,189	1,637	38	141,579
2021	448	1,189	1,637	38	141,579	2021	448	1,189	1,637	38	141,579
2022	448	1,189	1,637	38	141,579	2022	448	1,189	1,637	38	141,579
2023	448	1,189	1,637	38	141,579	2023	448	1,189	1,637	38	141,579
2024	448	1,189	1,637	38	141,579	2024	448	1,189	1,637	38	141,579
2025	448	1,189	1,637	38	141,579	2025	448	1,189	1,637	38	141,579
2026	448	1,189	1,637	38	141,579	2026	448	1,189	1,637	38	141,579
2027	448	1,189	1,637	38	141,579	2027	448	1,189	1,637	38	141,579
2028	448	1,189	1,637	38	141,579	2028	448	1,189	1,637	38	141,579
2029	448	1,189	1,637	38	141,579	2029	448	1,189	1,637	38	141,579
2030	448	1,189	1,637	38	141,579	2030	448	1,189	1,637	38	141,579
2031	448	1,189	1,637	38	141,579	2031	448	1,189	1,637	38	141,579
2032	448	1,189	1,637	38	141,579	2032	448	1,189	1,637	38	141,579
2033	448	1,189	1,637	38	141,579	2033	448	1,189	1,637	38	141,579
2034	448	1,189	1,637	38	141,579	2034	448	1,189	1,637	38	141,579
2035	448	1,189	1,637	38	141,579	2035	448	1,189	1,637	38	141,579
2036	448	1,189	1,637	38	141,579	2036	448	1,189	1,637	38	141,579
2037	448	1,189	1,637	38	141,579	2037	448	1,189	1,637	38	141,579
2038	448	1,189	1,637	38	141,579	2038	448	1,189	1,637	38	141,579
2039	448	1,189	1,637	38	141,579	2039	448	1,189	1,637	38	141,579
2040	448	1,189	1,637	38	141,579	2040	448	1,189	1,637	38	141,579

**TABLE A8.1.1(4) Other Revenues - Scenario 1 (Low Growth Case)**

(u) Unit Revenue (Marine Service, etc.)	
(u1) Container Domestic (US\$/1,000TEU)	1.223
(u2) Container Transshipment (US\$/1,000TEU)	0.611
(u3) Conventional Cargo Total (US\$/1,000tons)	0.119

Revenue from Marine Service, etc (for the ships which use new 3 berths opened in 2011)

Cargo Volume (Low Growth Case)					Total Revenue (1)*(u1)+ (2)*(u2)+ (4)*(u3)	Cargo Volume (Medium Growth Case)					Total Revenue (1)*(u1)+ (2)*(u2)+ (4)*(u3)
Year	Container Domestic (1)	Container Transshipment (2)	Container Total (1)+(2)=(3)	Conventional Cargo Total (4)		Year	Container Domestic (1)	Container Transshipment (2)	Container Total (1)+(2)=(3)	Conventional Cargo Total (4)	
1997	0	0	0	0	0	1997	0	0	0	0	0
1998	0	0	0	0	0	1998	0	0	0	0	0
1999	0	0	0	0	0	1999	0	0	0	0	0
2000	0	0	0	0	0	2000	0	0	0	0	0
2001	0	0	0	0	0	2001	0	0	0	0	0
2002	0	0	0	0	0	2002	0	0	0	0	0
2003	0	0	0	0	0	2003	0	0	0	0	0
2004	0	0	0	0	0	2004	0	0	0	0	0
2005	0	0	0	0	0	2005	0	0	0	0	0
2006	0	0	0	0	0	2006	0	0	0	0	0
2007	0	0	0	0	0	2007	0	0	0	0	0
2008	0	0	0	0	0	2008	0	0	0	0	0
2009	0	0	0	0	0	2009	0	0	0	0	0
2010	0	0	0	0	0	2010	0	0	0	0	0
2011	0	0	0	0	0	2011	229	640	869	0	671
2012	0	0	0	0	0	2012	291	815	1106	0	854
2013	8	22	30	0	23	2013	354	989	1343	0	1,037
2014	46	128	173	0	134	2014	405	1,132	1537	0	1,187
2015	87	230	317	0	247	2015	420	1,117	1537	0	1,197
2016	126	335	461	0	359	2016	420	1,117	1537	0	1,197
2017	165	439	604	0	470	2017	420	1,117	1537	0	1,197
2018	205	543	748	0	582	2018	420	1,117	1537	0	1,197
2019	244	648	891	0	694	2019	420	1,117	1537	0	1,197
2020	283	752	1,035	0	805	2020	420	1,117	1537	0	1,197
2021	322	856	1,179	0	918	2021	420	1,117	1537	0	1,197
2022	362	961	1,322	0	1,030	2022	420	1,117	1537	0	1,197
2023	401	1,065	1,466	0	1,141	2023	420	1,117	1537	0	1,197
2024	420	1,117	1,537	0	1,197	2024	420	1,117	1537	0	1,197
2025	420	1,117	1,537	0	1,197	2025	420	1,117	1537	0	1,197
2026	420	1,117	1,537	0	1,197	2026	420	1,117	1537	0	1,197
2027	420	1,117	1,537	0	1,197	2027	420	1,117	1537	0	1,197
2028	420	1,117	1,537	0	1,197	2028	420	1,117	1537	0	1,197
2029	420	1,117	1,537	0	1,197	2029	420	1,117	1537	0	1,197
2030	420	1,117	1,537	0	1,197	2030	420	1,117	1537	0	1,197
2031	420	1,117	1,537	0	1,197	2031	420	1,117	1537	0	1,197
2032	420	1,117	1,537	0	1,197	2032	420	1,117	1537	0	1,197
2033	420	1,117	1,537	0	1,197	2033	420	1,117	1537	0	1,197
2034	420	1,117	1,537	0	1,197	2034	420	1,117	1537	0	1,197
2035	420	1,117	1,537	0	1,197	2035	420	1,117	1537	0	1,197
2036	420	1,117	1,537	0	1,197	2036	420	1,117	1537	0	1,197
2037	420	1,117	1,537	0	1,197	2037	420	1,117	1537	0	1,197
2038	420	1,117	1,537	0	1,197	2038	420	1,117	1537	0	1,197
2039	420	1,117	1,537	0	1,197	2039	420	1,117	1537	0	1,197
2040	420	1,117	1,537	0	1,197	2040	420	1,117	1537	0	1,197

2006 -	
Royalty Revenue	7,618

TABLE A8.1.1(5) Total Revenues - Scenario 2

(a) Unit Revenue		
(u1) Container Domestic (US\$/1,000TEU)	153.47	
(u2) Container Transshipment (US\$/1,000TEU)	43.77	
(u3) Conventional Cargo Total (US\$/1,000tons)	3.18	

	1994 -	2005 -	2015 -
Container Domestic (000TEU)	288	767	1,444
Share (%)	30.2%	26.3%	27.4%
Container Transshipment (000TEU)	666	2,145	3,835
Share (%)	69.8%	73.7%	72.6%
Container Total (000TEU)	954	2,912	5,279
Share (%)	100.0%	100.0%	100.0%

Cargo Volume (Low Growth Case)					Total	Cargo Volume (Medium Growth Case)					Total
Year	Container Domestic (1)	Container Transshipment (2)	Container Total (1)+(2)=(3)	Conventional Cargo Total (4)	Revenue (1)*(u1)+(2)*(u2)+(4)*(u3)	Year	Container Domestic (1)	Container Transshipment (2)	Container Total (1)+(2)=(3)	Conventional Cargo Total (4)	Revenue (1)*(u1)+(2)*(u2)+(4)*(u3)
1997	0	0	0	0	0	1997	0	0	0	0	0
1998	0	0	0	0	0	1998	0	0	0	0	0
1999	0	0	0	0	0	1999	0	0	0	0	0
2000	0	0	0	0	0	2000	0	0	0	0	0
2001	0	0	0	0	0	2001	91	209	300	0	23,973
2002	20	45	65	0	5,187	2002	144	334	478	0	38,196
2003	58	134	191	0	15,284	2003	151	349	500	0	39,954
2004	95	222	318	0	25,382	2004	151	349	500	0	39,954
2005	117	327	444	0	33,434	2005	263	737	1000	0	75,301
2006	165	460	625	38	47,154	2006	339	947	1286	38	95,935
2007	202	566	768	38	57,957	2007	401	1,121	1522	38	114,759
2008	240	672	912	38	68,780	2008	431	1,206	1637	38	123,389
2009	278	777	1,055	38	79,594	2009	431	1,206	1637	38	123,389
2010	316	883	1,199	38	90,407	2010	431	1,206	1637	38	123,389
2011	354	989	1,343	38	101,220	2011	650	1,819	2469	38	186,054
2012	391	1,095	1,486	38	112,033	2012	713	1,993	2706	38	203,878
2013	429	1,201	1,630	38	122,846	2013	775	2,168	2943	38	221,702
2014	467	1,306	1,773	38	133,660	2014	826	2,311	3137	38	236,340
2015	524	1,393	1,917	38	146,800	2015	858	2,279	3137	38	240,149
2016	564	1,497	2,061	38	157,788	2016	858	2,279	3137	38	240,149
2017	603	1,601	2,204	38	168,776	2017	858	2,279	3137	38	240,149
2018	642	1,706	2,348	38	179,763	2018	858	2,279	3137	38	240,149
2019	681	1,810	2,491	38	190,751	2019	858	2,279	3137	38	240,149
2020	721	1,914	2,635	38	201,738	2020	858	2,279	3137	38	240,149
2021	760	2,019	2,779	38	212,726	2021	858	2,279	3137	38	240,149
2022	799	2,123	2,922	38	223,713	2022	858	2,279	3137	38	240,149
2023	839	2,227	3,066	38	234,701	2023	858	2,279	3137	38	240,149
2024	858	2,279	3,137	38	240,149	2024	858	2,279	3137	38	240,149
2025	858	2,279	3,137	38	240,149	2025	858	2,279	3137	38	240,149
2026	858	2,279	3,137	38	240,149	2026	858	2,279	3137	38	240,149
2027	858	2,279	3,137	38	240,149	2027	858	2,279	3137	38	240,149
2028	858	2,279	3,137	38	240,149	2028	858	2,279	3137	38	240,149
2029	858	2,279	3,137	38	240,149	2029	858	2,279	3137	38	240,149
2030	858	2,279	3,137	38	240,149	2030	858	2,279	3137	38	240,149
2031	858	2,279	3,137	38	240,149	2031	858	2,279	3137	38	240,149
2032	858	2,279	3,137	38	240,149	2032	858	2,279	3137	38	240,149
2033	858	2,279	3,137	38	240,149	2033	858	2,279	3137	38	240,149
2034	858	2,279	3,137	38	240,149	2034	858	2,279	3137	38	240,149
2035	858	2,279	3,137	38	240,149	2035	858	2,279	3137	38	240,149
2036	858	2,279	3,137	38	240,149	2036	858	2,279	3137	38	240,149
2037	858	2,279	3,137	38	240,149	2037	858	2,279	3137	38	240,149
2038	858	2,279	3,137	38	240,149	2038	858	2,279	3137	38	240,149
2039	858	2,279	3,137	38	240,149	2039	858	2,279	3137	38	240,149
2040	858	2,279	3,137	38	240,149	2040	858	2,279	3137	38	240,149

TABLE A8.1.1(6) Total Revenues - Scenario 3

(u) Unit Revenue (Marine Service, etc)		
(u1) Container Domestic (US\$/1,000TEU)	1.223	
(u2) Container Transhipment (US\$/1,000TEU)	0.611	
(u3) Conventional Cargo Total (US\$/1,000tons)	0.119	

Revenue from Marine Service, etc (for the ships which use new 3 berths opened in 2011)

Cargo Volume (Low Growth Case)					Total Revenue (1)*(u1)+ (2)*(u2)+ (4)*(u3)	Cargo Volume (Medium Growth Case)					Total Revenue (1)*(u1)+ (2)*(u2)+ (4)*(u3)
Year	Container Domestic (1)	Container Transhipment (2)	Container Total (1)+(2)=(3)	Conventional Cargo Total (4)		Year	Container Domestic (1)	Container Transhipment (2)	Container Total (1)+(2)=(3)	Conventional Cargo Total (4)	
1997	0	0	0	0	0	1997	0	0	0	0	0
1998	0	0	0	0	0	1998	0	0	0	0	0
1999	0	0	0	0	0	1999	0	0	0	0	0
2000	0	0	0	0	0	2000	0	0	0	0	0
2001	0	0	0	0	0	2001	91	209	300	0	239
2002	20	45	65	0	52	2002	144	334	478	0	381
2003	58	134	191	0	152	2003	151	349	500	0	398
2004	95	222	318	0	253	2004	151	349	500	0	398
2005	117	327	444	0	343	2005	263	737	1000	0	773
2006	165	460	625	38	487	2006	339	947	1286	38	998
2007	202	556	768	38	598	2007	401	1,121	1522	38	1,181
2008	240	672	912	38	709	2008	431	1,206	1637	38	1,269
2009	278	777	1,055	38	820	2009	431	1,206	1637	38	1,269
2010	316	883	1,199	38	931	2010	431	1,206	1637	38	1,269
2011	354	989	1,343	38	1,042	2011	650	1,819	2469	38	1,912
2012	391	1,095	1,486	38	1,153	2012	713	1,993	2706	38	2,095
2013	429	1,201	1,630	38	1,264	2013	775	2,168	2943	38	2,278
2014	467	1,306	1,773	38	1,374	2014	826	2,311	3137	38	2,428
2015	524	1,393	1,917	38	1,497	2015	858	2,279	3137	38	2,447
2016	564	1,497	2,061	38	1,609	2016	858	2,279	3137	38	2,447
2017	603	1,601	2,204	38	1,721	2017	858	2,279	3137	38	2,447
2018	642	1,706	2,348	38	1,833	2018	858	2,279	3137	38	2,447
2019	681	1,810	2,491	38	1,945	2019	858	2,279	3137	38	2,447
2020	721	1,914	2,635	38	2,056	2020	858	2,279	3137	38	2,447
2021	760	2,019	2,779	38	2,168	2021	858	2,279	3137	38	2,447
2022	799	2,123	2,922	38	2,280	2022	858	2,279	3137	38	2,447
2023	839	2,227	3,066	38	2,392	2023	858	2,279	3137	38	2,447
2024	858	2,279	3,137	38	2,447	2024	858	2,279	3137	38	2,447
2025	858	2,279	3,137	38	2,447	2025	858	2,279	3137	38	2,447
2026	858	2,279	3,137	38	2,447	2026	858	2,279	3137	38	2,447
2027	858	2,279	3,137	38	2,447	2027	858	2,279	3137	38	2,447
2028	858	2,279	3,137	38	2,447	2028	858	2,279	3137	38	2,447
2029	858	2,279	3,137	38	2,447	2029	858	2,279	3137	38	2,447
2030	858	2,279	3,137	38	2,447	2030	858	2,279	3137	38	2,447
2031	858	2,279	3,137	38	2,447	2031	858	2,279	3137	38	2,447
2032	858	2,279	3,137	38	2,447	2032	858	2,279	3137	38	2,447
2033	858	2,279	3,137	38	2,447	2033	858	2,279	3137	38	2,447
2034	858	2,279	3,137	38	2,447	2034	858	2,279	3137	38	2,447
2035	858	2,279	3,137	38	2,447	2035	858	2,279	3137	38	2,447
2036	858	2,279	3,137	38	2,447	2036	858	2,279	3137	38	2,447
2037	858	2,279	3,137	38	2,447	2037	858	2,279	3137	38	2,447
2038	858	2,279	3,137	38	2,447	2038	858	2,279	3137	38	2,447
2039	858	2,279	3,137	38	2,447	2039	858	2,279	3137	38	2,447
2040	858	2,279	3,137	38	2,447	2040	858	2,279	3137	38	2,447

2006 -	
Royalty Revenue	7,618

2001 -	2005 -	2006 -
Berth Lease Revenue	7,872	15,745
		23,617

**TABLE A8.1.1(7) Total Revenues - from the Point of View of the Private Company which Implements BOT**

(u) Unit Revenue		1994 -	2005 -	2015 -
(u1) Container Domestic (US\$ 1,000TEU)	139.73	288	767	1,444
(u2) Container Transhipment (US\$ 1,000TEU)	31.34	Share (%)	30.2%	26.3%
(u3) Conventional Cargo Total (US\$ 1,000tons)	0.86	666	2,145	3,835
		Share (%)	69.8%	73.7%
		954	2,912	5,279
		Share (%)	100.0%	100.0%

Revenue from the berths operated by the private company which implements BOT

Cargo Volume (Low Growth Case)					Total Revenue (1)*(u1) + (2)*(u2) + (4)*(u3)	Cargo Volume (Medium Growth Case)					Total Revenue (1)*(u1) + (2)*(u2) + (4)*(u3)
Year	Container Domestic (1)	Container Transhipment (2)	Container Total (1)+(2) (3)	Conventional Cargo Total (4)		Year	Container Domestic (1)	Container Transhipment (2)	Container Total (1)+(2) (3)	Conventional Cargo Total (4)	
1997	0	0	0	0	0	1997	0	0	0	0	0
1998	0	0	0	0	0	1998	0	0	0	0	0
1999	0	0	0	0	0	1999	0	0	0	0	0
2000	0	0	0	0	0	2000	0	0	0	0	0
2001	0	0	0	0	0	2001	0	0	0	0	0
2002	0	0	0	0	0	2002	0	0	0	0	0
2003	0	0	0	0	0	2003	0	0	0	0	0
2004	0	0	0	0	0	2004	0	0	0	0	0
2005	0	0	0	0	0	2005	0	0	0	0	0
2006	0	0	0	0	0	2006	0	0	0	0	0
2007	0	0	0	0	0	2007	0	0	0	0	0
2008	0	0	0	0	0	2008	0	0	0	0	0
2009	0	0	0	0	0	2009	0	0	0	0	0
2010	0	0	0	0	0	2010	0	0	0	0	0
2011	0	0	0	0	0	2011	219	613	832	0	49,839
2012	0	0	0	0	0	2012	282	787	1069	0	64,014
2013	0	0	0	0	0	2013	344	962	1306	0	78,190
2014	36	100	136	0	8,169	2014	395	1,105	1500	0	89,832
2015	77	203	280	0	17,076	2015	410	1,090	1500	0	91,481
2016	116	308	424	0	25,834	2016	410	1,090	1500	0	91,481
2017	155	412	567	0	34,592	2017	410	1,090	1500	0	91,481
2018	194	515	711	0	43,350	2018	410	1,090	1500	0	91,481
2019	234	621	854	0	52,108	2019	410	1,090	1500	0	91,481
2020	273	725	998	0	60,865	2020	410	1,090	1500	0	91,481
2021	312	829	1,142	0	69,623	2021	410	1,090	1500	0	91,481
2022	352	934	1,285	0	78,381	2022	410	1,090	1500	0	91,481
2023	391	1,038	1,429	0	87,139	2023	410	1,090	1500	0	91,481
2024	410	1,090	1,500	0	91,481	2024	410	1,090	1500	0	91,481
2025	410	1,090	1,500	0	91,481	2025	410	1,090	1500	0	91,481
2026	410	1,090	1,500	0	91,481	2026	410	1,090	1500	0	91,481
2027	410	1,090	1,500	0	91,481	2027	410	1,090	1500	0	91,481
2028	410	1,090	1,500	0	91,481	2028	410	1,090	1500	0	91,481
2029	410	1,090	1,500	0	91,481	2029	410	1,090	1500	0	91,481
2030	410	1,090	1,500	0	91,481	2030	410	1,090	1500	0	91,481
2031	410	1,090	1,500	0	91,481	2031	410	1,090	1500	0	91,481
2032	410	1,090	1,500	0	91,481	2032	410	1,090	1500	0	91,481
2033	410	1,090	1,500	0	91,481	2033	410	1,090	1500	0	91,481
2034	410	1,090	1,500	0	91,481	2034	410	1,090	1500	0	91,481
2035	410	1,090	1,500	0	91,481	2035	410	1,090	1500	0	91,481
2036	410	1,090	1,500	0	91,481	2036	410	1,090	1500	0	91,481
2037	410	1,090	1,500	0	91,481	2037	410	1,090	1500	0	91,481
2038	410	1,090	1,500	0	91,481	2038	410	1,090	1500	0	91,481
2039	410	1,090	1,500	0	91,481	2039	410	1,090	1500	0	91,481
2040	410	1,090	1,500	0	91,481	2040	410	1,090	1500	0	91,481

**TABLE A8.1.2(1) Project Costs of the Port of Colombo - Scenario 1**

	Initial Investment Costs by Facilities				Maintenance Cost	Depreciation Period	Depreciation Per Year
	Direct Cost	P.Contingency	Engineering	Total			
South Port Development	734,342	64,621	39,948	838,911	14,017		28,764
Civil Work	504,471	50,447	27,746	582,664	5,625		11,658
Quaywall (QEQ No.6)	27,904	2,790	1,535	32,229	322	50	644
Revetment (QEQ No.6)	8,955	896	493	10,343	103	50	207
Quaywall (Outer QEQ)	79,164	7,916	4,354	91,434	914	50	1,827
Revetment (Outer QEQ)	57,799	5,780	3,179	66,758	668	50	1,334
Seawall (Outer QEQ)	170,059	17,006	9,353	196,418	1,964	50	3,924
Inner Breakwater (Outer QEQ)	8,957	896	493	10,345	103	50	207
Breakwater Demolition (Outer QEQ)	17,499	1,750	962	20,211			
Dredging	25,062	2,506	1,378	28,947	289		
Reclamation	25,227	2,523	1,387	29,137	291	100	291
Paving	83,845	8,385	4,611	96,841	968	30	3,225
Building, Electric and Water Supply	53,590	5,360	2,947	61,896	619		
CFS	9,445	945	519	10,909	109	25	436
Gate Building	960	96	53	1,109	11	35	32
Administration Building	7,196	720	396	8,311	83	35	237
Maintenance Shop	2,099	210	115	2,424	24	25	97
Facilities Building	720	72	40	832	8	35	24
Power Station Building	1,049	105	58	1,212	12	35	35
Sump and Pump House	510	51	28	589	6	25	24
Electric Supply etc. in Yard	17,218	1,722	947	19,887	199	15	1,324
Generator	6,325	633	348	7,305	73	8	912
Sub Station Equipment	6,887	689	379	7,954	80	8	993
Water Supply and Drainage	1,181	118	65	1,364	14	40	34
Cargo Handling Equipment	176,281	8,814	9,255	194,350	7,774		17,106
Container Crane	98,951	4,948	5,195	109,093	4,364	12	9,082
Transfer Crane	57,144	2,857	3,000	63,001	2,520	12	5,245
Trailer Chassis	20,186	1,009	1,060	22,255	890	8	2,779
Renovation of Bandaranaike Quay	14,007	1,401	1,401	16,809	141		
Construction Work	14,007	1,401	1,401	16,809	141		
Demolition of Warehouse	2,227	223	223	2,672			
Paving	5,273	527	527	6,328	63	30	211
Rehabilitation of Wharf	4,460	446	446	5,352	54	50	107
Yard Lighting	2,047	205	205	2,457	25	10	245
Navigation Assistance	28,600	2,860	2,002	33,462	1,338		3,343
Communication System	3,200	320	224	3,744	150	10	374
Tug Boat	24,000	2,400	1,680	28,080	1,123	10	2,805
Navigation Aids	1,400	140	98	1,638	66	10	164
Widening Main Channel	22,795	2,280	1,596	26,670	188		597
Mobilization	2,000	200	140	2,340			
Dredging	5,110	511	358	5,979	60	10	597
Hard Material	11,000	1,100	770	12,870	129		
Demolition of NW Breakwater	4,685	469	328	5,481			
Road Development	15,385	1,539	1,539	18,461	185	20	922
North Channel Dredging	5,005	501	501	6,007	10		97
Mobilization	2,000	200	200	2,400			
Dredging	805	81	81	966	10	10	97
Hard Material	2,200	220	220	2,640			
Physical Contingency	73,202						
Engineering Service	46,985						
<b>Total</b>	<b>940,321</b>	<b>73,200</b>	<b>46,985</b>	<b>940,321</b>	<b>14,343</b>		<b>29,686</b>



**TABLE A8.1.2(2) Project Costs of the Port of Colombo - Scenario 2**

	Initial Investment Costs by Facilities				Maintenance Cost	Depreciation Period	Depreciation Per Year
	Direct Cost	P. Contingency	Engineering	Total			
South Port Development	1,000,919	85,369	54,314	1,140,602	20,964		43,841
Civil Work	646,557	64,656	35,561	746,774	7,286		15,312
Quaywall (QEQ No.6)	25,114	2,511	1,381	29,006	290	50	580
Revetment (QEQ No.6)	8,060	806	443	9,309	93	50	186
Quaywall (Outer QEQ)	162,852	16,285	8,957	188,094	1,881	50	3,758
Revetment (Outer QEQ)	41,915	4,191	2,305	48,412	484	50	967
Seawall (Outer QEQ)	151,152	15,115	8,313	174,581	1,746	50	3,488
Breakwater (Outer QEQ)	35,880	3,588	1,973	41,442	414	50	828
Breakwater Demolition (Outer QEQ)	15,749	1,575	866	18,190			
Dredging	22,572	2,257	1,241	26,071	261		
Reclamation	57,330	5,733	3,153	66,216	662	100	661
Paving	125,933	12,593	6,926	145,453	1,455	30	4,844
Building, Electric and Water Supply	59,882	5,989	3,293	69,163	692		
CFS	8,501	850	468	9,818	98	25	392
Gate Building	864	86	48	998	10	35	28
Administration Building	6,476	648	356	7,480	75	35	214
Maintenance Shop	1,889	189	104	2,182	22	25	87
Facilities Building	648	65	36	748	7	35	21
Power Station Building	944	94	52	1,090	11	35	31
Sump and Pump House	459	46	25	530	5	25	21
Electric Supply etc. in Yard	22,137	2,214	1,218	25,569	256	15	1,703
Generator	7,590	759	417	8,766	88	8	1,095
Sub Station Equipment	8,855	886	487	10,228	102	8	1,277
Water Supply and Drainage	1,518	152	84	1,754	18	40	44
Cargo Handling Equipment	294,480	14,724	15,460	324,664	12,987		28,529
Container Crane	169,205	8,460	8,883	186,549	7,462	12	15,530
Transfer Crane	92,573	4,629	4,860	102,062	4,082	12	8,497
Trailer Chassis	32,702	1,635	1,717	36,053	1,442	8	4,502
Renovation of Bandaranaike Quay	14,007	1,401	1,401	16,809	141		
Construction Work	14,007	1,401	1,401	16,809	141		
Demolition of Warehouse	2,227	223	223	2,672			
Paving	5,273	527	527	6,328	63	30	211
Rehabilitation of Wharf	4,460	446	446	5,352	54	50	107
Yard Lighting	2,047	205	205	2,457	25	10	245
Navigation Assistance	28,600	2,860	2,002	33,462	1,338		3,343
Communication System	3,200	320	224	3,744	150	10	374
Tug Boat	24,000	2,400	1,680	28,080	1,123	10	2,805
Navigation Aids	1,400	140	98	1,638	66	10	161
Widening Main Channel	22,795	2,280	1,596	26,670	188		597
Mobilization	2,000	200	140	2,340			
Dredging	5,110	511	358	5,979	60	10	597
Hard Material	11,000	1,100	770	12,870	129		
Demolition of NW Breakwater	4,685	469	328	5,481			
Road Development	15,385	1,539	1,539	18,461	185	20	922
North Channel Dredging	5,005	501	501	6,007	10		97
Mobilization	2,000	200	200	2,400			
Dredging	805	81	81	966	10	10	97
Hard Material	2,200	220	220	2,640			
Physical Contingency	93,950						
Engineering Service	61,351						
<b>Total</b>	<b>1,242,012</b>	<b>93,948</b>	<b>61,352</b>	<b>1,242,012</b>	<b>21,290</b>		<b>44,763</b>

**TABLE A8.1.2(3) Project Costs of the Port of Colombo - Scenario 3**

Unit: 000US\$

	Initial Investment Costs by Facilities				Maintenance Cost	Depreciation Period	Depreciation Per Year
	Direct Cost	P.Contingency	Engineering	Total			
South Port Development	420,389	42,040	23,121	485,550	0		8,431
Civil Work	420,389	42,039	23,121	485,549	0		8,431
Quaywall (QEQ No.6)	27,904	2,790	1,535	32,229	0	50	644
Revetment (QEQ No.6)	8,955	896	493	10,343	0	50	207
Quaywall (Outer QEQ)	79,164	7,916	4,354	91,434	0	50	1,827
Revetment (Outer QEQ)	57,799	5,780	3,179	66,758	0	50	1,334
Seawall (Outer QEQ)	170,059	17,006	9,353	196,418	0	50	3,924
Inner Breakwater (Outer QEQ)	8,957	896	493	10,345	0	50	207
Breakwater Demolition (Outer QEQ)	17,499	1,750	962	20,211	0		0
Dredging	25,062	2,506	1,378	28,947	0		0
Reclamation	24,990	2,499	1,374	28,863	0	100	288
Paving	0	0	0	0	0	30	0
Building, Electric and Water Supply	0	1	0	0	0		0
CFS	0	0	0	0	0	25	0
Gate Building	0	0	0	0	0	35	0
Administration Building	0	0	0	0	0	35	0
Maintenance Shop	0	0	0	0	0	25	0
Facilities Building	0	0	0	0	0	35	0
Power Station Building	0	0	0	0	0	35	0
Sump and Pump House	0	0	0	0	0	25	0
Electric Supply etc. in Yard	0	0	0	0	0	15	0
Generator	0	0	0	0	0	8	0
Sub Station Equipment	0	0	0	0	0	8	0
Water Supply and Drainage	0	0	0	0	0	40	0
Cargo Handling Equipment	0	0	0	0	0		0
Container Crane	0	0	0	0	0	12	0
Transfer Crane	0	0	0	0	0	12	0
Trailer Chassis	0	0	0	0	0	8	0
Renovation of Bandaranaike Quay	0	0	0	0	0		0
Construction Work	0	0	0	0	0		0
Demolition of Warehouse	0	0	0	0	0		0
Paving	0	0	0	0	0	30	0
Rehabilitation of Wharf	0	0	0	0	0	50	0
Yard Lighting	0	0	0	0	0	10	0
Navigation Assistance	0	0	0	0	0		0
Communication System	0	0	0	0	0	10	0
Tug Boat	0	0	0	0	0	10	0
Navigation Aids	0	0	0	0	0	10	0
Widening Main Channel	0	0	0	0	0		0
Mobilization	0	0	0	0	0		0
Dredging	0	0	0	0	0	10	0
Hard Material	0	0	0	0	0		0
Demolition of NW Breakwater	0	0	0	0	0		0
Road Development	0	0	0	-1	0	20	-0
North Channel Dredging	0	0	0	1	0		0
Mobilization	0	0	0	0	0		0
Dredging	0	0	0	0	0	10	0
Hard Material	0	0	0	0	0		0
Physical Contingency	42,042						
Engineering Service	23,120						
<b>Total</b>	<b>485,551</b>	<b>42,040</b>	<b>23,121</b>	<b>485,550</b>	<b>0</b>		<b>8,431</b>

**TABLE A8.1.2(4) Project Costs of the Port of Colombo Borne by the Private Company which Implements BOT**

Unit:000US\$

	Initial Investment Costs by Facilities				Maintenance Cost	Depreciation Period	Depreciation Per Year
	Direct Cost	P.Contingency	Engineering	Total			
South Port Development	367,858	28,869	19,836	416,563	9,403		4,952
Civil Work	196,572	19,657	10,811	227,041	2,270		4,952
Quay wall (QEQ No.6)	0	0	0	0	0	50	0
Revetment (QEQ No.6)	0	0	0	0	0	50	0
Quay wall (Outer QEQ)	101,783	10,178	5,598	117,559	1,176	50	2,349
Revetment (Outer QEQ)	0	0	0	0	0	50	0
Seawall (Outer QEQ)	0	0	0	0	0	50	0
Inner Breakwater (Outer QEQ)	0	0	0	0	0	50	0
Breakwater Demolition (Outer QEQ)	0	0	0	0	0		0
Dredging	0	0	0	0	0		0
Reclamation	38,710	3,871	2,129	44,710	447	100	447
Paving	56,079	5,608	3,084	64,771	648	30	2,157
Building, Electric and Water Supply	12,945	1,295	712	14,951	150		0
CFS	0	0	0	0	0	25	0
Gate Building	0	0	0	0	0	35	0
Administration Building	0	0	0	0	0	35	0
Maintenance Shop	0	0	0	0	0	25	0
Facilities Building	0	0	0	0	0	35	0
Power Station Building	0	0	0	0	0	35	0
Sump and Pump House	0	0	0	0	0	25	0
Electric Supply etc. in Yard	7,379	738	406	8,523	85	15	568
Generator	2,108	211	116	2,435	24	8	304
Sub Station Equipment	2,952	295	162	3,410	34	8	426
Water Supply and Drainage	506	51	28	584	6	40	15
Cargo Handling Equipment	158,341	7,917	8,313	174,571	6,983		0
Container Crane	96,477	4,824	5,065	106,366	4,255	12	0
Transfer Crane	45,715	2,286	2,400	50,401	2,016	12	0
Trailer Chassis	16,149	807	848	17,804	712	8	0
Renovation of Bandaranaike Quay	0	0	0	0	0		0
Construction Work	0	0	0	0	0		0
Demolition of Warehouse	0	0	0	0	0		0
Paving	0	0	0	0	0	30	0
Rehabilitation of Wharf	0	0	0	0	0	50	0
Yard Lighting	0	0	0	0	0	10	0
Navigation Assistance	0	0	0	0	0		0
Communication System	0	0	0	0	0	10	0
Tug Boat	0	0	0	0	0	10	0
Navigation Aids	0	0	0	0	0	10	0
Widening Main Channel	0	0	0	0	0		0
Mobilization	0	0	0	0	0		0
Dredging	0	0	0	0	0	10	0
Hard Material	0	0	0	0	0		0
Demolition of NW Breakwater	0	0	0	0	0		0
Road Development	0	0	0	0	0	20	0
North Channel Dredging	0	0	0	0	0		0
Mobilization	0	0	0	0	0		0
Dredging	0	0	0	0	0	10	0
Hard Material	0	0	0	0	0		0
Physical Contingency	28,869						
Engineering Service	19,836						
Total	416,563	28,869	19,836	416,563	9,403		4,952

**TABLE A8.4.1(1) The Result of FIRR Calculation - Scenario 1 (Medium Growth Case)**

Original Case	5.3%	
Sensitivity Analysis 1	4.8%	Revenue 3.4% Down
Sensitivity Analysis 2	4.4%	Cost 6.2% Up
Sensitivity Analysis 3	3.8%	Revenue 3.4% Down, Cost 6.2% Up

Unit: 1,000US\$

Year	Revenues			Cost			Revenue-Cost	Net Present Value		
	Operating Revenues	Subsidy (G. Fund)	Total	Investment	Expense	Total		Revenues	Cost	Difference
1997	0		0	51,610	0	51,610	-51,610	0	51,610	-51,610
1998	0		0	71,558	0	71,558	-71,558	0	67,940	-67,940
1999	0		0	124,539	10	124,549	-124,549	0	112,274	-112,274
2000	0		0	141,215	10	141,225	-141,225	0	120,870	-120,870
2001	23,973		23,973	46,228	5,554	51,792	-27,819	19,480	42,086	-22,606
2002	38,196		38,196	73,348	5,554	78,912	-40,716	29,469	60,882	-31,413
2003	39,954		39,954	170,096	5,554	175,660	-135,705	29,267	128,672	-99,406
2004	39,954		39,954	145,582	5,554	151,146	-111,192	27,787	105,119	-77,331
2005	75,301		75,301	116,146	21,179	137,325	-62,024	49,723	90,678	-40,955
2006	96,935		96,935	0	40,874	40,874	56,061	60,772	25,625	35,147
2007	114,759		114,759	0	40,874	40,874	73,885	68,309	24,330	43,979
2008	123,389		123,389	0	40,874	40,874	82,514	69,732	23,100	46,633
2009	123,389		123,389	966	40,874	41,840	81,548	66,207	22,450	43,757
2010	123,389		123,389	0	40,874	40,874	82,514	62,860	20,823	42,037
2011	131,678		131,678	0	53,480	53,480	78,198	63,691	25,868	37,823
2012	131,661		131,661	0	53,480	53,480	78,381	60,555	24,560	35,995
2013	132,044		132,044	0	53,480	53,480	78,564	57,573	23,318	34,255
2014	132,194		132,194	29,560	53,480	83,041	49,153	54,725	34,377	20,348
2015	134,191		134,191	0	53,480	53,480	80,711	52,743	21,020	31,723
2016	134,191		134,191	10,644	53,480	64,125	70,066	50,077	23,930	26,147
2017	134,191		134,191	8,187	53,480	61,667	72,524	47,545	21,849	25,696
2018	134,191		134,191	180,282	53,480	233,762	-99,571	45,141	78,635	-33,495
2019	134,191		134,191	8,187	53,480	61,667	72,524	42,859	19,695	23,163
2020	134,191		134,191	7,658	53,480	61,139	73,052	40,692	18,540	22,152
2021	134,191		134,191	3,314	53,480	56,795	77,396	38,635	16,352	22,283
2022	134,191		134,191	3,314	53,480	56,795	77,396	36,682	15,525	21,157
2023	134,191		134,191	32,875	53,480	86,355	47,836	34,827	22,412	12,415
2024	134,191		134,191	3,314	53,480	56,795	77,396	33,066	13,995	19,071
2025	134,191		134,191	3,314	53,480	56,795	77,396	31,395	13,287	18,107
2026	134,191		134,191	9,458	53,480	62,949	71,242	29,807	13,983	15,825
2027	134,191		134,191	8,611	53,480	62,092	72,099	28,300	13,095	15,206
2028	134,191		134,191	3,077	53,480	56,557	77,634	26,870	11,325	15,545
2029	134,191		134,191	0	53,480	53,480	80,711	25,511	10,167	15,344
2030	134,191		134,191	0	53,480	53,480	80,711	24,221	9,653	14,568
2031	134,191		134,191	195,170	53,480	248,650	-114,459	22,997	42,612	-19,615
2032	134,191		134,191	37,748	53,480	91,228	42,963	21,834	14,844	6,991
2033	134,191		134,191	8,187	53,480	61,667	72,524	20,730	9,527	11,204
2034	134,191		134,191	8,187	53,480	61,667	72,524	19,682	9,045	10,637
2035	134,191		134,191	6,692	53,480	60,173	74,018	18,687	8,360	10,308
Total	4,145,027	0	4,145,027	1,509,081	1,584,831	3,093,912	1,051,115	1,412,453	1,412,453	0

**TABLE A8.4.1(2) The Result of FIRR Calculation - Scenario 1 (Low Growth Case)**

Original Case	4.8%	
Sensitivity Analysis 1	4.4%	Revenue 3.4% Down
Sensitivity Analysis 2	4.1%	Cost 6.2% Up
Sensitivity Analysis 3	3.7%	Revenue 3.4% Down, Cost 6.2% Up

Unit: 1,000US\$

Year	Revenues			Cost			Revenue-Cost	Net Present Value		
	Operating Revenues	Subsidy (G. Fund)	Total	Investment	Expense	Total		Revenues	Cost	Difference
1997	0		0	51,610	0	51,610	-51,610	0	51,610	-51,610
1998	0		0	71,558	0	71,558	-71,558	0	68,297	-68,297
1999	0		0	124,539	10	124,549	-124,549	0	113,458	-113,458
2000	0		0	141,215	10	141,225	-141,225	0	122,787	-122,787
2001	0		0	46,228	5,564	51,792	-51,792	0	42,978	-42,978
2002	5,467		5,467	73,348	5,564	78,912	-73,444	4,330	62,500	-58,170
2003	16,111		16,111	170,096	5,564	175,660	-159,548	12,179	132,787	-120,608
2004	26,755		26,755	145,582	5,564	151,146	-124,391	19,304	109,051	-89,747
2005	35,459		35,459	116,146	18,392	134,538	-99,079	24,418	92,645	-68,227
2006	50,003		50,003	0	37,642	37,642	12,361	32,864	24,740	8,124
2007	61,471		61,471	0	37,642	37,642	23,830	38,561	23,613	14,948
2008	72,940		72,940	0	37,642	37,642	35,298	43,670	22,537	21,133
2009	84,408		84,408	955	37,642	38,608	45,800	48,234	22,062	26,172
2010	95,876		95,876	0	37,642	37,642	58,235	52,291	20,530	31,761
2011	122,312		122,312	0	45,399	45,399	76,913	63,670	23,633	40,037
2012	134,567		134,567	0	45,399	45,399	89,167	66,857	22,556	44,301
2013	146,844		146,844	0	45,399	45,399	101,445	69,633	21,528	48,105
2014	147,570		147,570	29,560	45,399	74,960	72,610	66,789	33,926	32,863
2015	149,444		149,444	0	45,399	45,399	104,044	64,555	19,611	44,944
2016	149,556		149,556	10,644	45,399	56,044	93,512	61,660	23,106	38,554
2017	149,667		149,667	8,187	45,399	53,587	95,081	58,895	21,087	37,808
2018	149,779		149,779	180,282	45,399	225,681	-75,902	56,253	84,760	-28,507
2019	149,891		149,891	8,187	45,399	53,587	95,305	53,730	19,209	34,522
2020	150,003		150,003	7,658	45,399	53,058	95,945	51,321	18,153	33,168
2021	150,115		150,115	3,314	45,399	48,714	101,401	49,019	15,907	33,112
2022	150,226		150,226	3,314	45,399	48,714	101,513	46,820	15,182	31,638
2023	150,338		150,338	32,875	45,399	78,274	72,064	44,720	23,284	21,436
2024	150,394		150,394	3,314	45,399	48,714	101,680	42,698	13,830	28,868
2025	150,394		150,394	3,314	45,399	48,714	101,680	40,753	13,200	27,553
2026	150,394		150,394	9,468	45,399	54,868	95,526	38,896	14,190	24,706
2027	150,394		150,394	8,611	45,399	54,011	95,383	37,124	13,332	23,792
2028	150,394		150,394	3,077	45,399	48,476	101,917	35,432	11,421	24,012
2029	150,394		150,394	0	45,399	45,399	104,994	33,818	10,209	23,609
2030	150,394		150,394	0	45,399	45,399	104,994	32,277	9,744	22,534
2031	150,394		150,394	195,170	45,399	240,570	-90,176	30,807	49,278	-18,472
2032	150,394		150,394	37,748	45,399	83,147	67,247	29,403	16,256	13,147
2033	150,394		150,394	8,187	45,399	53,587	96,807	28,063	9,999	18,064
2034	150,394		150,394	8,187	45,399	53,587	96,807	26,785	9,544	17,241
2035	150,394		150,394	6,692	45,399	52,092	98,302	25,564	8,855	16,710
Total	4,153,529	0	4,153,529	1,509,081	1,363,852	2,872,942	1,280,587	1,431,396	1,431,396	-0

**TABLE A8.4.1(3) The Result of FIRR Calculation - Scenario 2**

Original Case	7.1%	
Sensitivity Analysis 1	6.6%	Revenue 3.4% Down
Sensitivity Analysis 2	6.3%	Cost 6.2% Up
Sensitivity Analysis 3	5.7%	Revenue 3.4% Down, Cost 6.2% Up

Unit: 1,000US\$

Year	Revenues			Cost			Revenue - Cost	Net Present Value		
	Operating Revenues	Subsidy (G. Fund)	Total	Investment	Expense	Total		Revenues	Cost	Difference
1997	0		0	51,593	0	51,593	-51,593	0	51,593	-51,593
1998	0		0	71,536	0	71,536	-71,536	0	66,778	-66,778
1999	0		0	132,914	10	132,924	-132,924	0	115,831	-115,831
2000	0		0	141,120	10	141,130	-141,130	0	114,802	-114,802
2001	23,973		23,973	46,212	5,521	51,734	-27,761	18,204	39,284	-21,081
2002	38,196		38,196	73,299	5,521	78,821	-40,624	27,075	55,872	-28,797
2003	39,954		39,954	170,020	5,521	175,541	-135,587	26,438	116,156	-89,718
2004	39,954		39,954	145,488	5,521	151,009	-111,055	24,680	93,278	-68,598
2005	75,301		75,301	116,059	21,137	137,196	-61,895	43,420	79,109	-35,689
2006	96,935		96,935	58,775	47,821	106,596	-9,660	52,177	57,377	-5,200
2007	114,759		114,759	58,755	47,821	106,576	8,183	57,663	53,551	4,112
2008	123,389		123,389	58,755	47,821	106,576	16,813	57,875	49,989	7,886
2009	123,389		123,389	59,721	47,821	107,542	15,847	54,026	47,088	6,939
2010	123,389		123,389	58,758	47,821	106,579	16,810	50,433	43,562	6,871
2011	186,054		186,054	0	87,370	87,370	98,685	70,989	33,336	37,653
2012	203,878		203,878	0	87,370	87,370	116,508	72,616	31,119	41,497
2013	221,702		221,702	0	87,370	87,370	134,332	73,713	29,049	44,664
2014	236,340		236,340	44,820	87,370	132,189	104,151	73,354	41,028	32,326
2015	240,149		240,149	0	87,370	87,370	152,779	69,579	25,314	44,265
2016	240,149		240,149	10,644	87,370	98,014	142,135	64,951	26,509	38,442
2017	240,149		240,149	8,187	87,370	95,557	144,592	60,631	24,126	36,506
2018	240,149		240,149	295,798	87,370	384,167	-144,019	56,599	90,542	-33,943
2019	240,149		240,149	8,187	87,370	95,557	144,592	52,835	21,023	31,811
2020	240,149		240,149	7,658	87,370	95,028	145,121	49,321	19,516	29,804
2021	240,149		240,149	4,261	87,370	91,631	148,518	46,041	17,567	28,473
2022	240,149		240,149	4,261	87,370	91,631	148,518	42,979	16,399	26,580
2023	240,149		240,149	49,081	87,370	136,451	103,698	40,120	22,795	17,324
2024	240,149		240,149	4,261	87,370	91,631	148,518	37,452	14,290	23,162
2025	240,149		240,149	4,261	87,370	91,631	148,518	34,961	13,340	21,621
2026	240,149		240,149	10,415	87,370	97,785	142,364	32,636	13,289	19,347
2027	240,149		240,149	8,611	87,370	95,981	144,168	30,465	12,176	18,289
2028	240,149		240,149	3,077	87,370	90,447	149,702	28,439	10,711	17,728
2029	240,149		240,149	0	87,370	87,370	152,779	26,548	9,658	16,889
2030	240,149		240,149	0	87,370	87,370	152,779	24,782	9,016	15,766
2031	240,149		240,149	310,294	87,370	397,664	-457,515	23,134	38,308	-15,174
2032	240,149		240,149	53,007	87,370	140,376	99,773	21,595	12,623	8,972
2033	240,149		240,149	8,187	87,370	95,557	144,592	20,159	8,021	12,138
2034	240,149		240,149	8,187	87,370	95,557	144,592	18,818	7,488	11,330
2035	240,149		240,149	6,692	87,370	94,062	146,087	17,567	6,881	10,686
2036	240,149		240,149	39,527	87,370	126,897	113,252	16,398	8,665	7,733
2037	240,149		240,149	39,527	87,370	126,897	113,252	15,308	8,089	7,219
2038	240,149		240,149	38,821	87,370	126,190	113,959	14,290	7,509	6,781
2039	240,149		240,149	36,363	87,370	123,733	116,416	13,339	6,873	6,466
2040	240,149		240,149	0	87,370	87,370	152,779	12,452	4,530	7,922
Total	7,891,085	0	7,891,085	2,248,135	2,903,433	5,151,568	2,739,517	1,574,061	1,574,061	0

**TABLE A8.4.1(4) The Result of FIRR Calculation - Scenario 3**

Original Case	4.2%	
Sensitivity Analysis 1	3.8%	Revenue 6.2% Down
Sensitivity Analysis 2	3.9%	Cost 5.3% Up
Sensitivity Analysis 3	3.5%	Revenue 6.2% Down, Cost 5.3% Up

Unit: 1,000US\$

Year	Revenues			Cost			Revenue-Cost	Net Present Value		
	Operating Revenues	Subsidy (G. Fund)	Total	Investment	Expense	Total		Revenues	Cost	Difference
1997	0		0	49,799	0	49,799	-49,799	0	49,799	-49,799
1998	0		0	58,263	0	58,263	-58,263	0	55,900	-55,900
1999	0		0	60,142	0	60,142	-60,142	0	55,364	-55,364
2000	0		0	46,609	0	46,609	-46,609	0	41,167	-41,167
2001	8,111		8,111	46,620	0	46,620	-38,509	6,874	39,507	-32,633
2002	8,253		8,253	72,873	0	72,873	-64,620	6,710	59,251	-52,541
2003	8,270		8,270	73,894	0	73,894	-65,624	6,452	57,645	-51,194
2004	8,270		8,270	55,314	0	55,314	-47,043	6,190	41,401	-35,211
2005	16,517		16,517	22,727	0	22,727	-6,210	11,862	16,321	-4,460
2006	24,615		24,615	0	0	0	24,615	16,960	0	16,960
2007	24,798		24,798	0	0	0	24,798	16,393	0	16,393
2008	24,886		24,886	0	0	0	24,886	15,785	0	15,785
2009	24,886		24,886	0	0	0	24,886	15,145	0	15,145
2010	24,886		24,886	0	0	0	24,886	14,531	0	14,531
2011	33,147		33,147	0	0	0	33,147	18,570	0	18,570
2012	33,330		33,330	0	0	0	33,330	17,915	0	17,915
2013	33,513		33,513	0	0	0	33,513	17,283	0	17,283
2014	33,663		33,663	0	0	0	33,663	16,657	0	16,657
2015	33,682		33,682	0	0	0	33,682	15,991	0	15,991
2016	33,682		33,682	0	0	0	33,682	15,342	0	15,342
2017	33,682		33,682	0	0	0	33,682	14,720	0	14,720
2018	33,682		33,682	0	0	0	33,682	14,123	0	14,123
2019	33,682		33,682	0	0	0	33,682	13,551	0	13,551
2020	33,682		33,682	0	0	0	33,682	13,001	0	13,001
2021	33,682		33,682	0	0	0	33,682	12,474	0	12,474
2022	33,682		33,682	0	0	0	33,682	11,969	0	11,969
2023	33,682		33,682	0	0	0	33,682	11,483	0	11,483
2024	33,682		33,682	0	0	0	33,682	11,018	0	11,018
2025	33,682		33,682	0	0	0	33,682	10,571	0	10,571
2026	33,682		33,682	0	0	0	33,682	10,143	0	10,143
2027	33,682		33,682	0	0	0	33,682	9,731	0	9,731
2028	33,682		33,682	0	0	0	33,682	9,337	0	9,337
2029	33,682		33,682	0	0	0	33,682	8,958	0	8,958
2030	33,682		33,682	0	0	0	33,682	8,595	0	8,595
2031	33,682		33,682	0	0	0	33,682	8,247	0	8,247
2032	33,682		33,682	0	0	0	33,682	7,912	0	7,912
2033	33,682		33,682	0	0	0	33,682	7,591	0	7,591
2034	33,682		33,682	0	0	0	33,682	7,284	0	7,284
2035	33,682		33,682	0	0	0	33,682	6,988	0	6,988
Total	1,014,473	0	1,014,473	486,240	0	486,240	528,233	416,355	416,355	0

**TABLE A8.4.1(5) The Result of FIRR Calculation - from the Point of View of the Private Company which Implements BOT**

Result of Calculation - from the point of view of the private company which implements BOT

Original Case	11.1%	
Sensitivity Analysis 1	10.0%	Revenue 6.2%Down
Sensitivity Analysis 2	10.2%	Cost 5.3%Up
Sensitivity Analysis 3	9.3%	Revenue 6.2%Down, Cost 5.3%Up

Unit: 1,000US\$

Year	Revenues			Cost			Revenue-Cost	Net Present Value		
	Operating Revenues	Subsidy (G. Fund)	Total	Investment	Expense	Total		Revenues	Cost	Difference
1997	0	0	0	0	0	0	0	0	0	0
1998	0	0	0	0	0	0	0	0	0	0
1999	0	0	0	0	0	0	0	0	0	0
2000	0	0	0	0	0	0	0	0	0	0
2001	0	0	0	0	0	0	0	0	0	0
2002	0	0	0	0	0	0	0	0	0	0
2003	0	0	0	0	0	0	0	0	0	0
2004	0	0	0	0	0	0	0	0	0	0
2005	0	0	0	0	0	0	0	0	0	0
2006	0	0	0	83,313	0	83,313	-83,313	0	32,304	-32,304
2007	0	0	0	83,313	0	83,313	-83,313	0	29,077	-29,077
2008	0	0	0	83,313	0	83,313	-83,313	0	26,171	-26,171
2009	0	0	0	83,313	0	83,313	-83,313	0	23,557	-23,557
2010	0	0	0	83,313	0	83,313	-83,313	0	21,203	-21,203
2011	49,839	0	49,839	0	15,226	15,226	34,612	11,417	3,488	7,929
2012	64,014	0	64,014	0	15,226	15,226	48,788	13,199	3,139	10,059
2013	78,190	0	78,190	0	15,226	15,226	62,963	14,511	2,826	11,685
2014	89,832	0	89,832	2,435	15,226	17,661	72,171	15,005	2,950	12,055
2015	91,481	0	91,481	0	15,226	15,226	76,255	13,754	2,289	11,465
2016	91,481	0	91,481	0	15,226	15,226	76,255	12,380	2,061	10,319
2017	91,481	0	91,481	0	15,226	15,226	76,255	11,143	1,855	9,288
2018	91,481	0	91,481	0	15,226	15,226	76,255	10,030	1,669	8,360
2019	91,481	0	91,481	23,649	15,226	38,875	52,606	9,027	3,836	5,191
2020	91,481	0	91,481	0	15,226	15,226	76,255	8,125	1,352	6,773
2021	91,481	0	91,481	0	15,226	15,226	76,255	7,314	1,217	6,096
2022	91,481	0	91,481	0	15,226	15,226	76,255	6,583	1,096	5,487
2023	91,481	0	91,481	156,767	15,226	171,993	-80,512	5,925	11,140	-5,215
2024	91,481	0	91,481	0	15,226	15,226	76,255	5,333	888	4,445
2025	91,481	0	91,481	0	15,226	15,226	76,255	4,800	799	4,001
2026	91,481	0	91,481	8,523	15,226	23,749	67,732	4,321	1,122	3,199
2027	91,481	0	91,481	0	15,226	15,226	76,255	3,889	647	3,242
2028	91,481	0	91,481	23,649	15,226	38,875	52,606	3,500	1,487	2,013
2029	91,481	0	91,481	0	15,226	15,226	76,255	3,151	524	2,626
2030	91,481	0	91,481	0	15,226	15,226	76,255	2,836	472	2,364
2031	91,481	0	91,481	0	15,226	15,226	76,255	2,552	425	2,128
2032	91,481	0	91,481	0	15,226	15,226	76,255	2,297	382	1,915
2033	91,481	0	91,481	0	15,226	15,226	76,255	2,068	344	1,724
2034	91,481	0	91,481	0	15,226	15,226	76,255	1,861	310	1,551
2035	91,481	0	91,481	0	15,226	15,226	76,255	1,675	279	1,396
2036	91,481	0	91,481	156,767	15,226	171,993	-80,512	1,508	2,835	-1,327
2037	91,481	0	91,481	23,649	15,226	38,875	52,606	1,357	577	780
2038	91,481	0	91,481	0	15,226	15,226	76,255	1,222	203	1,018
2039	91,481	0	91,481	0	15,226	15,226	76,255	1,100	183	917
2040	91,481	0	91,481	0	15,226	15,226	76,255	990	165	825
Total	2,660,385	0	2,660,385	812,000	456,790	1,268,790	1,391,596	182,872	182,872	-0





TABLE A8.4.2(1) The Financial Statements - Scenario 1 (Medium Growth Case)

PROFIT AND LOSS STATEMENT (UNIT: '000 US\$)		1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Operating Revenue		0	0	0	0	23,973	38,196	39,954	39,954	75,301	96,935	114,759	123,389	123,389	123,389	131,678	131,861	132,044	132,194	134,191
Operating Cost		0	0	106	106	6,511	6,511	6,511	6,511	22,126	70,561	70,561	70,561	70,561	70,561	83,167	83,167	83,167	83,167	83,167
Personnel		0	0	0	0	4,274	4,274	4,274	4,274	17,286	22,109	22,109	22,109	22,109	22,109	32,614	32,614	32,614	32,614	32,614
Operations, maintenance & repair		0	0	10	10	435	435	435	435	435	14,343	14,343	14,343	14,343	14,343	14,343	14,343	14,343	14,343	14,343
Administrations		0	0	0	0	855	855	855	855	3,457	4,422	4,422	4,422	4,422	4,422	6,523	6,523	6,523	6,523	6,523
Depreciation costs		0	0	97	97	947	947	947	947	947	29,686	29,686	29,686	29,686	29,686	29,686	29,686	29,686	29,686	29,686
Net Operating Income		0	0	-106	-106	17,462	31,685	33,443	33,443	53,175	26,375	44,199	52,828	52,828	52,828	48,511	48,694	48,877	49,027	51,024
Non-operating Revenues		0	0	0	0	0	0	0	0	0	0	0	0	0	2,199	4,506	6,326	8,265	10,227	11,857
Interest on deposit		0	0	0	0	0	0	0	0	0	0	0	0	0	2,199	4,506	6,326	8,265	10,227	11,857
Non-operating Expenses		0	2,248	5,724	12,065	19,969	22,179	24,293	30,593	36,567	40,374	38,057	32,908	27,328	24,369	22,098	19,941	17,963	16,403	15,199
Interest on long-term loans		0	2,248	5,364	10,788	16,761	18,352	20,697	26,771	31,619	34,934	32,607	29,908	26,986	24,369	22,098	19,941	17,963	16,403	15,199
Interest on short-term loans		0	0	360	1,277	3,209	3,827	3,597	3,822	4,948	5,441	5,450	3,000	342	0	0	0	0	0	0
Net Income Before Tax		0	-2,248	-5,830	-12,171	-2,508	9,507	9,150	2,850	16,608	-14,000	6,142	19,920	25,500	30,658	30,919	35,080	39,179	42,852	47,683
Business Turnover Tax		0	0	0	0	1,199	1,910	1,998	1,998	3,765	4,847	5,738	6,169	6,169	6,169	6,584	6,593	6,602	6,610	6,710
Income Tax		0	0	0	0	0	3,419	3,219	384	5,779	0	182	6,188	8,699	11,020	10,951	12,819	14,660	16,309	18,438
Deemed Dividend Tax		0	0	0	0	0	1,045	983	117	1,766	0	56	1,891	2,658	3,367	3,346	3,917	4,479	4,983	5,634
Net Income After Tax		0	-2,248	-5,830	-12,171	-3,706	3,134	2,950	352	5,298	-18,846	167	5,672	7,974	10,101	10,038	11,751	13,438	14,950	16,901
Retained Earnings		0	-2,248	-8,077	-20,248	-23,954	-20,821	-17,870	-17,519	-12,221	-31,068	-30,901	-25,229	-17,255	-7,153	2,885	14,636	28,074	43,023	59,925

CASH FLOW STATEMENT (Unit: '000US\$)		1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Cash Beginning		0	-2,248	-7,981	-20,055	-23,920	-22,479	-23,889	-30,925	-34,005	-34,061	-18,749	-2,139	13,742	28,161	39,541	51,659	63,919	74,106	83,178
Cash Inflow (excluding G. Funds)		51,610	71,558	124,529	141,206	64,636	105,980	204,486	179,973	170,268	56,061	73,885	82,514	83,480	84,713	82,704	84,707	86,829	88,941	92,568
Net operating income		0	0	-106	-106	17,462	31,685	33,443	33,443	53,175	26,375	44,199	52,828	52,828	52,828	48,511	48,694	48,877	49,027	51,024
Depreciation costs		0	0	97	97	947	947	947	947	947	29,686	29,686	29,686	29,686	29,686	29,686	29,686	29,686	29,686	29,686
Long-term loans		51,610	71,558	124,539	141,215	46,228	73,348	170,096	145,582	116,146	0	0	0	966	0	0	0	0	0	0
Interest on deposits		0	0	0	0	0	0	0	0	0	0	0	0	0	2,199	4,506	6,326	8,265	10,227	11,857
Cash Outflow (excluding G. Funds)		51,610	73,803	130,263	153,280	68,502	104,539	205,897	187,008	173,348	56,118	58,573	65,904	67,599	70,295	71,324	72,589	74,569	78,753	83,496
Investment		51,610	71,558	124,539	141,215	46,228	73,348	170,096	145,582	116,146	0	0	0	0	0	0	0	0	0	0
Repayment for long-term loans		0	0	0	0	1,106	2,639	5,308	8,334	9,325	10,896	14,541	18,748	22,745	25,369	28,345	29,319	30,865	34,449	37,516
Interest on long-term loans		0	2,248	5,364	10,788	16,761	18,352	20,697	26,771	31,619	34,934	32,607	29,908	26,986	24,369	22,098	19,941	17,963	16,403	15,199
Business Turnover Tax		0	0	0	0	1,199	1,910	1,998	1,998	3,765	4,847	5,738	6,169	6,169	6,169	6,584	6,593	6,602	6,610	6,710
Income Tax		0	0	0	0	0	3,419	3,219	384	5,779	0	182	6,188	8,699	11,020	10,951	12,819	14,660	16,309	18,438
Deemed Dividend Tax		0	0	0	0	0	1,045	983	117	1,766	0	56	1,891	2,658	3,367	3,346	3,917	4,479	4,983	5,634
Interest on short-term loans		0	0	360	1,277	3,209	3,827	3,597	3,822	4,948	5,441	5,450	3,000	342	0	0	0	0	0	0
Cash Inflow - Cash Outflow		0	-2,248	-5,733	-12,074	-3,865	1,441	-1,411	-7,035	-3,080	-56	15,312	16,610	15,881	14,419	11,360	12,118	12,260	10,188	9,071
Cash Ending		0	-2,248	-7,981	-20,055	-23,920	-22,479	-23,889	-30,925	-34,005	-34,061	-18,749	-2,139	13,742	28,161	39,541	51,659	63,919	74,106	83,178
Cash excess		0	0	0	0	0	0	0	0	0	0	0	0	13,742	28,161	39,541	51,659	63,919	74,106	83,178
Cash shortage		0	-2,248	-7,981	-20,055	-23,920	-22,479	-23,889	-30,925	-34,005	-34,061	-18,749	-2,139	0	0	0	0	0	0	0

BALANCE SHEET (UNIT: '000US\$)		1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
(Assets)																				
Current Assets		0	0	0	0	0	0	0	0	0	0	0	0	13,742	28,161	39,541	51,659	63,919	74,106	83,178
Cash & Deposit		0	0	0	0	0	0	0	0	0	0	0	0	13,742	28,161	39,541	51,659	63,919	74,106	83,178
Fixed Assets		51,610	123,167	247,610	388,729	434,010	506,410	675,559	820,194	935,393	905,706	876,020	846,334	816,647	786,961	757,274	727,588	697,902	668,215	638,529
Construction costs		51,610	123,167	247,707	388,922	435,150	508,498	678,593	824,176	940,321	940,321	940,321	940,321	940,321	940,321	940,321	940,321	940,321	940,321	940,321
Accumulated depreciation		0	0	97	193	1,140	2,087	3,034	3,981	4,928	34,615	64,301	93,988	123,674	153,361	183,047	212,733	242,420	272,106	301,793
Net fixed assets		51,610	123,167	247,610	388,729	434,010	506,410	675,559	820,194	935,393	905,706	876,020	846,334	816,647	786,961	757,274	727,588	697,902	668,215	638,529
Total Assets		51,610	123,167	247,610	388,729	434,010	506,410	675,559	820,194	935,393	905,706	876,020	846,334	830,389	815,122	796,815	779,247	761,820	742,321	721,707
(Liabilities and capital)																				
Liabilities		51,610	125,415	255,687	408,977	457,964	527,231	693,429	837,713	947,614	936,774	906,921	871,562	847,644	822,275	793,930	764,611	733,747	699,298	661,782
Current Liabilities (cross subsidy)		0	2,248	7,981	20,055	23,920	22,479	23,889	30,925	34,005	34,061	18,749	2,139	0	0	0	0	0	0	0
Fixed Liabilities (Long-term loan)		51,610	123,167	247,707	388,922	434,044	504,752	669,540	806,788	913,609	902,713	888,172	869,423	847,644	822,275	793,930	764,611	733,747	699,298	661,782
Capital		0	-2,248	-8,077	-20,248	-23,954	-20,821	-17,870	-17,519	-12,221	-31,068	-30,901	-25,229	-17,255	-7,153	2,885	14,636	28,074	43,023	59,925
Investment in Kind By Gov. Funds		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Net Income After Tax		0	-2,248	-5,830	-12,171	-3,706	3,134	2,950	352	5,298	-18,846	167	5,672	7,974	10,101	10,038	11,751	13,438	14,950	16,901
Retained Earnings		0	-2,248	-8,077	-20,248	-23,954	-20,821	-17,870	-17,519	-12,221	-31,068	-30,901	-25,229	-17,255	-7,153	2,885	14,636	28,074	43,023	59,925
Total Liabilities and capital		51,610	123,167	247,610	388,729	434,010	506,410	675,559	820,194	935,393	905,706	876,020	846,334	830,389	815,122	796,815	779,247	761,820	742,321	721,707

FINANCIAL INDICATORS		1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Working Ratio (%)		0.0%	0.0%	0.0%	0.0%	23.2%	14.6%	13.9%	13.9%	28.1%	42.2%	35.6%	33.1%	33.1%	33.1%	40.6%	40.6%	40.5%	40.5%	39.9%
Operating Ratio (%)		0.0%	0.0%	0.0%	0.0%	27.2%	17.0%	16.3%	16.3%	29.4%	72.8%	61.5%	57.2%	57.2%	57.2%	63.2%	63.1%	63.0%	62.9%	62.0%
Rate of Return on Net Fixed Assets		0.0%	0.0%	0.0%	0.0%	4.0%	6.3%	5.0%	4.1%	5.7%	2.9%	5.0%	6.2%	6.5%	6.7%	6.4%	6.7%	7.0%	7.3%	8.0%
Debt Service Coverage Ratio		0.0%	0.0%	-0.2%	-0.1%	103.0%	155.5%	132.2%	98.0%	132.2%	122.3%	156.7%	169.6%	165.9%	165.9%	155.0%	159.1%	160.9%	154.8%	153.1%





TABLE A8.4.2(1) The Financial Statements - Scenario 1 (Medium Growth Case)

PROFIT AND LOSS STATEMENT (UNIT: '000 US\$)																				
	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035
Operating Revenue	134,191	134,191	134,191	134,191	134,191	134,191	134,191	134,191	134,191	134,191	134,191	134,191	134,191	134,191	134,191	134,191	134,191	134,191	134,191	134,191
Operating Cost	83,167	83,167	83,167	83,167	83,167	83,167	83,167	83,167	83,167	83,167	83,167	83,167	83,167	83,167	83,167	83,167	83,167	83,167	83,167	83,167
Personnel	32,614	32,614	32,614	32,614	32,614	32,614	32,614	32,614	32,614	32,614	32,614	32,614	32,614	32,614	32,614	32,614	32,614	32,614	32,614	32,614
Operations, maintenance & repair	14,343	14,343	14,343	14,343	14,343	14,343	14,343	14,343	14,343	14,343	14,343	14,343	14,343	14,343	14,343	14,343	14,343	14,343	14,343	14,343
Administrations	6,523	6,523	6,523	6,523	6,523	6,523	6,523	6,523	6,523	6,523	6,523	6,523	6,523	6,523	6,523	6,523	6,523	6,523	6,523	6,523
Depreciation costs	29,686	29,686	29,686	29,686	29,686	29,686	29,686	29,686	29,686	29,686	29,686	29,686	29,686	29,686	29,686	29,686	29,686	29,686	29,686	29,686
Net Operating Income	51,024	51,024	51,024	51,024	51,024	51,024	51,024	51,024	51,024	51,024	51,024	51,024	51,024	51,024	51,024	51,024	51,024	51,024	51,024	51,024
Non-operating Revenues	13,308	14,525	15,882	17,390	19,057	20,896	22,916	25,130	27,552	30,193	33,070	36,197	39,592	43,618	48,450	54,492	61,929	70,203	79,550	90,688
Interest on deposit	13,308	14,525	15,882	17,390	19,057	20,896	22,916	25,130	27,552	30,193	33,070	36,197	39,592	43,618	48,450	54,492	61,929	70,203	79,550	90,688
Non-operating Expenses	14,280	13,360	12,441	11,522	10,603	9,684	8,765	7,845	6,926	6,007	5,088	4,169	3,300	2,501	1,824	1,285	791	369	114	0
Interest on long-term loans	14,280	13,360	12,441	11,522	10,603	9,684	8,765	7,845	6,926	6,007	5,088	4,169	3,300	2,501	1,824	1,285	791	369	114	0
Interest on short-term loans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Net Income Before Tax	50,053	52,189	54,465	56,892	59,479	62,236	65,176	68,309	71,650	75,211	79,006	83,053	87,316	92,141	97,650	104,231	112,162	120,858	130,461	141,712
Business Turnover Tax	6,710	6,710	6,710	6,710	6,710	6,710	6,710	6,710	6,710	6,710	6,710	6,710	6,710	6,710	6,710	6,710	6,710	6,710	6,710	6,710
Income Tax	19,505	20,466	21,490	22,582	23,746	24,987	26,310	27,720	29,223	30,825	32,534	34,354	36,273	38,444	40,923	43,885	47,453	51,367	55,688	60,751
Deemed Dividend Tax	5,960	6,253	6,566	6,900	7,256	7,635	8,039	8,470	8,929	9,419	9,941	10,497	11,083	11,747	12,504	13,409	14,500	15,695	17,016	18,563
Net Income After Tax	17,879	18,760	19,699	20,700	21,767	22,905	24,117	25,410	26,788	28,257	29,822	31,492	33,250	35,241	37,513	40,228	43,499	47,086	51,048	55,689
Retained Earnings	77,804	96,564	116,263	136,964	158,731	181,636	205,753	231,163	257,951	286,207	316,030	347,521	380,771	416,012	453,525	493,753	537,251	584,338	635,385	691,074

CASH FLOW STATEMENT (Unit: '000US\$)																				
	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035
Cash Beginning	83,178	90,780	99,263	108,685	119,108	130,598	143,225	157,065	172,198	188,708	206,688	226,233	247,447	272,614	302,811	340,575	387,054	438,770	497,190	566,800
Cash Inflow (excluding G. Funds)	94,019	95,236	96,593	98,100	99,768	101,606	103,627	105,841	108,262	110,904	113,781	116,908	120,302	124,329	129,161	135,203	142,639	150,914	160,261	171,399
Net operating income	51,024	51,024	51,024	51,024	51,024	51,024	51,024	51,024	51,024	51,024	51,024	51,024	51,024	51,024	51,024	51,024	51,024	51,024	51,024	51,024
Depreciation costs	29,686	29,686	29,686	29,686	29,686	29,686	29,686	29,686	29,686	29,686	29,686	29,686	29,686	29,686	29,686	29,686	29,686	29,686	29,686	29,686
Long-term loans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Interest on deposits	13,308	14,525	15,882	17,390	19,057	20,896	22,916	25,130	27,552	30,193	33,070	36,197	39,592	43,618	48,450	54,492	61,929	70,203	79,550	90,688
Cash Outflow (excluding G. Funds)	86,417	86,753	87,171	87,677	88,278	88,979	89,787	90,709	91,752	92,925	94,236	95,694	97,136	98,641	100,191	101,887	103,629	105,417	107,251	109,131
Investment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Repayment for long-term loans	39,964	39,964	39,964	39,964	39,964	39,964	39,964	39,964	39,964	39,964	39,964	39,964	37,770	34,729	29,436	23,434	21,470	18,353	11,123	4,936
Interest on long-term loans	14,280	13,360	12,441	11,522	10,603	9,684	8,765	7,845	6,926	6,007	5,088	4,169	3,300	2,501	1,824	1,285	791	369	114	0
Business Turnover Tax	6,710	6,710	6,710	6,710	6,710	6,710	6,710	6,710	6,710	6,710	6,710	6,710	6,710	6,710	6,710	6,710	6,710	6,710	6,710	6,710
Income Tax	19,505	20,466	21,490	22,582	23,746	24,987	26,310	27,720	29,223	30,825	32,534	34,354	36,273	38,444	40,923	43,885	47,453	51,367	55,688	60,751
Deemed Dividend Tax	5,960	6,253	6,566	6,900	7,256	7,635	8,039	8,470	8,929	9,419	9,941	10,497	11,083	11,747	12,504	13,409	14,500	15,695	17,016	18,563
Interest on short-term loans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cash Inflow - Cash Outflow	7,602	8,483	9,422	10,423	11,490	12,627	13,840	15,133	16,511	17,979	19,545	21,214	23,166	25,367	27,763	30,386	33,240	36,333	39,676	43,269
Cash Ending	90,780	99,263	108,685	119,108	130,598	143,225	157,065	172,198	188,708	206,688	226,233	247,447	272,614	302,811	340,575	387,054	438,770	497,190	566,800	647,239
Cash excess	90,780	99,263	108,685	119,108	130,598	143,225	157,065	172,198	188,708	206,688	226,233	247,447	272,614	302,811	340,575	387,054	438,770	497,190	566,800	647,239
Cash shortage	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

BALANCE SHEET (UNIT: '000US\$)																				
	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035
(Assets)																				
Current Assets	90,780	99,263	108,685	119,108	130,598	143,225	157,065	172,198	188,708	206,688	226,233	247,447	272,614	302,811	340,575	387,054	438,770	497,190	566,800	647,239
Cash & Deposit	90,780	99,263	108,685	119,108	130,598	143,225	157,065	172,198	188,708	206,688	226,233	247,447	272,614	302,811	340,575	387,054	438,770	497,190	566,800	647,239
Fixed Assets	608,842	579,156	549,470	519,783	490,097	460,410	430,724	401,038	371,351	341,665										





TABLE A8.4.2(2) The Financial Statements - Scenario 1 (Low Growth Case)

PROFIT AND LOSS STATEMENT (UNIT: '000 US\$)																			
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Operating Revenue	0	0	0	0	0	5,467	16,111	26,755	35,459	50,003	61,471	72,940	84,408	95,876	122,312	134,567	146,844	147,570	149,444
Operating Cost	0	0	106	106	6,511	6,511	6,511	6,511	19,339	67,328	67,328	67,328	67,328	75,086	75,086	75,086	75,086	75,086	75,086
Personnel	0	0	0	0	4,274	4,274	4,274	4,274	14,964	19,415	19,415	19,415	19,415	19,415	25,880	25,880	25,880	25,880	25,880
Operations, maintenance & repair	0	0	10	10	435	435	435	435	435	14,343	14,343	14,343	14,343	14,343	14,343	14,343	14,343	14,343	14,343
Administrations	0	0	0	0	855	855	855	855	2,993	3,883	3,883	3,883	3,883	3,883	5,176	5,176	5,176	5,176	5,176
Depreciation costs	0	0	97	97	947	947	947	947	947	29,686	29,686	29,686	29,686	29,686	29,686	29,686	29,686	29,686	29,686
Net Operating Income	0	0	-106	-106	-6,511	-1,044	9,600	20,244	16,120	-17,325	-5,857	5,612	17,080	28,548	47,227	59,481	71,758	72,484	74,358
Non-operating Revenues	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Interest on deposit	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Non-operating Expenses	0	2,248	5,467	11,143	17,629	20,338	23,757	30,720	36,451	41,168	40,783	39,674	37,983	36,158	34,259	31,910	29,520	27,352	25,651
Interest on long-term loans	0	2,248	5,364	10,788	16,761	18,352	20,697	26,771	31,619	34,934	32,607	29,908	26,986	24,369	22,098	19,941	17,963	16,403	15,199
Interest on short-term loans	0	0	103	355	868	1,986	3,060	3,949	4,832	6,234	8,176	9,766	10,997	11,789	12,161	11,969	11,557	10,949	10,452
Net Income Before Tax	0	-2,248	-5,573	-11,249	-24,140	-21,381	-14,156	-10,476	-20,331	-58,493	-46,639	-34,062	-20,903	-7,610	12,967	27,571	42,238	45,132	48,707
Business Turnover Tax	0	0	0	0	0	273	806	1,338	1,773	2,500	3,074	3,647	4,220	4,794	6,116	6,728	7,342	7,378	7,472
Income Tax	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3,083	9,379	15,703	16,989	18,556
Deemed Dividend Tax	0	0	0	0	0	0	0	0	0	0	0	0	0	0	942	2,866	4,798	5,191	5,670
Net Income After Tax	0	-2,248	-5,573	-11,249	-24,140	-21,655	-14,962	-11,813	-22,104	-60,993	-49,713	-37,709	-25,124	-12,404	2,826	8,597	14,395	15,573	17,010
Retained Earnings	0	-2,248	-7,821	-19,070	-43,210	-64,865	-79,827	-91,640	-113,744	-174,737	-224,450	-262,159	-287,282	-299,686	-296,860	-288,262	-273,868	-258,295	-241,285

CASH FLOW STATEMENT (Unit: '000US\$)																			
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Cash Beginning		0	-2,248	-7,725	-18,877	-43,176	-66,523	-85,845	-105,046	-135,527	-177,730	-212,298	-239,069	-256,285	-264,372	-260,204	-251,239	-238,023	-227,212
Cash Inflow (excluding G. Funds)	51,610	71,558	124,529	141,206	40,664	73,252	180,643	166,774	133,213	12,361	23,830	35,298	47,732	58,235	76,913	89,167	101,445	102,170	104,044
Net operating income	0	0	-106	-106	-6,511	-1,044	9,600	20,244	16,120	-17,325	-5,857	5,612	17,080	28,548	47,227	59,481	71,758	72,484	74,358
Depreciation costs	0	0	97	97	947	947	947	947	947	29,686	29,686	29,686	29,686	29,686	29,686	29,686	29,686	29,686	29,686
Long-term loans	51,610	71,558	124,539	141,215	46,228	73,348	170,096	145,582	116,146	0	0	0	966	0	0	0	0	0	0
Interest on deposits	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cash Outflow (excluding G. Funds)	51,610	73,805	130,006	152,358	64,963	96,598	199,966	185,974	163,694	54,564	58,398	62,069	64,948	66,321	72,745	80,202	88,228	91,359	94,865
Investment	51,610	71,558	124,539	141,215	46,228	73,348	170,096	145,582	116,146	0	0	0	0	0	0	0	0	0	0
Repayment for long-term loans	0	0	0	0	1,106	2,639	5,308	8,334	9,325	10,896	14,541	18,748	22,745	25,369	28,345	29,319	30,865	34,449	37,516
Interest on long-term loans	0	2,248	5,364	10,788	16,761	18,352	20,697	26,771	31,619	34,934	32,607	29,908	26,986	24,369	22,098	19,941	17,963	16,403	15,199
Business Turnover Tax	0	0	0	0	0	273	806	1,338	1,773	2,500	3,074	3,647	4,220	4,794	6,116	6,728	7,342	7,378	7,472
Income Tax	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3,083	9,379	15,703	16,989	18,556
Deemed Dividend Tax	0	0	0	0	0	0	0	0	0	0	0	0	0	0	942	2,866	4,798	5,191	5,670
Interest on short-term loans	0	0	103	355	868	1,986	3,060	3,949	4,832	6,234	8,176	9,766	10,997	11,789	12,161	11,969	11,557	10,949	10,452
Cash Inflow - Cash Outflow	0	-2,248	-5,477	-11,153	-24,299	-23,347	-19,323	-19,200	-30,481	-42,203	-34,568	-26,771	-17,216	-8,087	4,168	8,965	13,216	10,811	9,180
Cash Ending	0	-2,248	-7,725	-18,877	-43,176	-66,523	-85,845	-105,046	-135,527	-177,730	-212,298	-239,069	-256,285	-264,372	-260,204	-251,239	-238,023	-227,212	-218,032
Cash excess	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cash shortage	0	-2,248	-7,725	-18,877	-43,176	-66,523	-85,845	-105,046	-135,527	-177,730	-212,298	-239,069	-256,285	-264,372	-260,204	-251,239	-238,023	-227,212	-218,032

BALANCE SHEET (UNIT: '000US\$)																			
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
(Assets)																			
Current Assets	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cash & Deposit	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fixed Assets	51,610	123,167	247,610	388,729	434,010	506,410	675,559	820,194	935,393	905,706	876,020	846,334	816,647	786,961	757,274	727,588	697,902	668,215	638,529
Construction costs	51,610	123,167	247,707	388,922	435,150	508,498	678,593	824,176	940,321	940,321	940,321	940,321	940,321	940,321	940,321	940,321	940,321	940,321	940,321
Accumulated depreciation	0	0	97	193	1,140	2,087	3,034	3,981	4,928	34,615	64,301	93,988	123,674	153,361	183,047	212,733	242,420	272,106	301,793
Net fixed assets	51,610	123,167	247,610	388,729	434,010	506,410	675,559	820,194	935,393	905,706	876,020	846,334	816,647	786,961	757,274	727,588	697,902	668,215	638,529
Total Assets	51,610	123,167	247,610	388,729	434,010	506,410	675,559	820,194	935,393	905,706	876,020	846,334	816,647	786,961	757,274	727,588	697,902	668,215	638,529
(Liabilities and capital)																			
Liabilities	51,610	125,415	255,431	407,799	477,220	571,275	755,386	911,834	1,049,137	1,080,443	1,100,470	1,108,493	1,103,930	1,086,647	1,054,134	1,015,850	971,770	926,510	879,814
Current Liabilities (cross subsidy)	0	2,248	7,725	18,877	43,176	66,523	85,845	105,046	135,527	177,730	212,298	239,069	256,285	264,372	260,204	251,239	238,023	227,212	218,032
Fixed Liabilities (Long-term loan)	51,610	123,167	247,707																







TABLE A8.4.2(2) The Financial Statements - Scenario 1 (Low Growth Case)

PROFIT AND LOSS STATEMENT (UNIT: '000 US\$)																				
	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035
Operating Revenue	149,556	149,667	149,779	149,891	150,003	150,115	150,226	150,338	150,394	150,394	150,394	150,394	150,394	150,394	150,394	150,394	150,394	150,394	150,394	150,394
Operating Cost	75,086	75,086	75,086	75,086	75,086	75,086	75,086	75,086	75,086	75,086	75,086	75,086	75,086	75,086	75,086	75,086	75,086	75,086	75,086	75,086
Personnel	25,880	25,880	25,880	25,880	25,880	25,880	25,880	25,880	25,880	25,880	25,880	25,880	25,880	25,880	25,880	25,880	25,880	25,880	25,880	25,880
Operations, maintenance & repair	14,343	14,343	14,343	14,343	14,343	14,343	14,343	14,343	14,343	14,343	14,343	14,343	14,343	14,343	14,343	14,343	14,343	14,343	14,343	14,343
Administrations	5,176	5,176	5,176	5,176	5,176	5,176	5,176	5,176	5,176	5,176	5,176	5,176	5,176	5,176	5,176	5,176	5,176	5,176	5,176	5,176
Depreciation costs	29,686	29,686	29,686	29,686	29,686	29,686	29,686	29,686	29,686	29,686	29,686	29,686	29,686	29,686	29,686	29,686	29,686	29,686	29,686	29,686
Net Operating Income	74,470	74,582	74,693	74,805	74,917	75,029	75,141	75,252	75,308	75,308	75,308	75,308	75,308	75,308	75,308	75,308	75,308	75,308	75,308	75,308
Non-operating Revenues	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	276	1,930	3,768	5,977
Interest on deposit	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	276	1,930	3,768	5,977
Non-operating Expenses	24,309	23,053	21,771	20,462	19,127	17,764	16,373	14,954	13,506	12,030	10,526	8,993	7,481	5,910	4,291	2,535	791	369	114	0
Interest on long-term loans	14,280	13,360	12,441	11,522	10,603	9,684	8,765	7,845	6,926	6,007	5,088	4,169	3,300	2,501	1,824	1,285	791	369	114	0
Interest on short-term loans	10,029	9,692	9,329	8,940	8,524	8,080	7,609	7,109	6,580	6,023	5,438	4,824	4,181	3,409	2,466	1,250	0	0	0	0
Net Income Before Tax	50,161	51,529	52,923	54,343	55,790	57,265	58,767	60,298	61,801	63,278	64,782	66,315	67,827	69,398	71,017	72,773	74,792	76,869	78,962	81,285
Business Turnover Tax	7,478	7,483	7,489	7,495	7,500	7,506	7,511	7,517	7,520	7,520	7,520	7,520	7,520	7,520	7,520	7,520	7,520	7,520	7,520	7,520
Income Tax	19,207	19,820	20,445	21,082	21,731	22,392	23,065	23,752	24,427	25,091	25,768	26,458	27,138	27,845	28,574	29,364	30,273	31,207	32,149	33,194
Deemed Dividend Tax	5,869	6,056	6,247	6,442	6,640	6,842	7,048	7,257	7,464	7,667	7,874	8,084	8,292	8,508	8,731	8,972	9,250	9,536	9,823	10,143
Net Income After Tax	17,607	18,169	18,741	19,325	19,920	20,526	21,143	21,772	22,391	23,000	23,621	24,253	24,877	25,525	26,193	26,917	27,750	28,607	29,470	30,428
Retained Earnings	-223,678	-205,510	-186,768	-167,443	-147,523	-126,998	-105,855	-84,082	-61,691	-38,691	-15,070	9,183	34,060	59,585	85,777	112,694	140,444	169,051	198,521	228,949

CASH FLOW STATEMENT (Unit: '000 US\$)																				
	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035
Cash Beginning	-218,032	-210,703	-202,811	-194,347	-185,299	-175,657	-165,408	-154,543	-143,048	-130,934	-118,211	-104,867	-90,891	-74,098	-53,616	-27,173	5,996	41,962	81,903	129,936
Cash Inflow (excluding G. Funds)	104,156	104,268	104,380	104,492	104,603	104,715	104,827	104,939	104,994	104,994	104,994	104,994	104,994	104,994	104,994	104,994	105,270	106,925	108,762	110,971
Net operating income	74,470	74,582	74,693	74,805	74,917	75,029	75,141	75,252	75,308	75,308	75,308	75,308	75,308	75,308	75,308	75,308	75,308	75,308	75,308	75,308
Depreciation costs	29,686	29,686	29,686	29,686	29,686	29,686	29,686	29,686	29,686	29,686	29,686	29,686	29,686	29,686	29,686	29,686	29,686	29,686	29,686	29,686
Long-term loans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Interest on deposits	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	276	1,930	3,768	5,977
Cash Outflow (excluding G. Funds)	96,827	96,376	95,916	95,444	94,961	94,467	93,961	93,444	92,880	92,271	91,651	91,018	88,201	84,512	78,551	71,826	69,304	66,984	60,729	55,793
Investment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Repayment for long-term loans	39,964	39,964	39,964	39,964	39,964	39,964	39,964	39,964	39,964	39,964	39,964	39,964	37,770	34,729	29,436	23,434	21,470	18,353	11,123	4,936
Interest on long-term loans	14,280	13,360	12,441	11,522	10,603	9,684	8,765	7,845	6,926	6,007	5,088	4,169	3,300	2,501	1,824	1,285	791	369	114	0
Business Turnover Tax	7,478	7,483	7,489	7,495	7,500	7,506	7,511	7,517	7,520	7,520	7,520	7,520	7,520	7,520	7,520	7,520	7,520	7,520	7,520	7,520
Income Tax	19,207	19,820	20,445	21,082	21,731	22,392	23,065	23,752	24,427	25,091	25,768	26,458	27,138	27,845	28,574	29,364	30,273	31,207	32,149	33,194
Deemed Dividend Tax	5,869	6,056	6,247	6,442	6,640	6,842	7,048	7,257	7,464	7,667	7,874	8,084	8,292	8,508	8,731	8,972	9,250	9,536	9,823	10,143
Interest on short-term loans	10,029	9,692	9,329	8,940	8,524	8,080	7,609	7,109	6,580	6,023	5,438	4,824	4,181	3,409	2,466	1,250	0	0	0	0
Cash Inflow - Cash Outflow	7,329	7,891	8,464	9,048	9,642	10,248	10,866	11,495	12,114	12,723	13,344	13,976	16,793	20,482	26,443	33,169	35,967	39,940	48,033	55,178
Cash Ending	-210,703	-202,811	-194,347	-185,299	-175,657	-165,408	-154,543	-143,048	-130,934	-118,211	-104,867	-90,891	-74,098	-53,616	-27,173	5,996	41,962	81,903	129,936	185,114
Cash excess	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5,996	41,962	81,903	129,936	185,114
Cash shortage	-210,703	-202,811	-194,347	-185,299	-175,657	-165,408	-154,543	-143,048	-130,934	-118,211	-104,867	-90,891	-74,098	-53,616	-27,173	0	0	0	0	0

BALANCE SHEET (UNIT: '000US\$)																				
	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035
(Assets)																				
Current Assets	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5,996	41,962	81,903	129,936	185,114
Cash & Deposit	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5,996	41,962	81,903	129,936	185,114
Fixed Assets	608,842	579,156	549,470	519,783	490,097	460,410	430,724	401,038	371,351	341,665	311,978	282,292	252,606	222,919	193,233	163,546	133,860	104,173	74,487	44,801
Construction costs	940,321	940,321	940,321	940,321	940,321	940,321	940,321	940,321	940,321	940,321	940,321	940,321	940,321	940,321	940,321	940,321	940,321	940,321	940,321	940,321
Accumulated depreciation	331,479	361,165	390,852	420,538	450,225	479,911	509,597	539,284	568,970	598,657	628,343	658,029	687,716	717,402	747,089	776,775	806,461	836,148	865,834	895,521
Net fixed assets	608,842	579,156	549,470	519,783	490,097	460,410	430,724	401,038	371,351	341,665	311,978	282,292	252,606	222,919	193,233	163,546	133,860	104,173	74,487	44,801
Total Assets	608,842	579,156	549,470	519,783	490,097	460,410	430,724	401,038	371,351	341,665	311,978	282,292	252,606	222,919	193,233	169,542	175,822	186,076	204,423	229,915
(Liabilities and capital)																				
Liabilities	832,521	784,666	736,238	687,226	637,620	587,408	536,579	485,120	433,042	380,356	327,048	273,109	218,546	163,335	107,455	56,848	35,378	17,026	5,902	966
Current Liabilities (cross subsidy)	210,703	202,811	194,347	185,299	175,657	165,408	154,543	143,048	130,934	118,211	104,867	90,891	74,098	53,616	27,173	0	0	0	0	0
Fixed Liabilities (Long-term loan)	621,818	581,854	541,891	501,927	461,963	422,000	382,036	342,072	302,109	262,145	222,181	182,218	144,448	109,719	80,282	56,848	35,378	17,026	5,902	966
Capital	-223,678	-205,510	-186,768	-167,443	-147,523	-126,998	-105,855	-84,082	-61,691	-38,691	-15,070	9,183	34,060	59,585	85,777	112,694	140,444	169,051	198,521	228,949
Investment in Kind By Gov. Funds	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Net Income After Tax	17,607	18,169	18,741	19,325	19,920	20,526	21,143	21,772	22,391	23,000	23,621	24,253	24,877	25,525	26,193	26,917	27,750	28,607	29,470	30,428
Retained Earnings	-223,678	-205,510	-186,768	-167,443	-147,523	-126,998	-105,855	-84,082	-61,691	-38,691	-15,070	9,183	34,060	59,585	85,777	112,694	140,444	169,051	198,521	228,949
Total Liabilities and capital	608,842	579,156	549,470	519,783	490,097	460,410	430,724	401,038	371,351	341,665	311,978	282,292	252,606	222,919	193,233	169,542	175,822	186,076	204,423	229,915





TABLE A8.4.2(3) The Financial Statements - Scenario 2

PROFIT AND LOSS STATEMENT (UNIT: '000 US\$)		1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Operating Revenue		0	0	0	0	23,973	38,196	39,954	39,954	75,301	96,935	114,759	123,389	123,389	123,389	186,054	203,878	221,702	236,340	240,149
Operating Cost		0	0	106	106	6,383	6,383	6,383	6,383	21,999	92,584	92,584	92,584	92,584	92,584	132,133	132,133	132,133	132,133	132,133
Personnel		0	0	0	0	4,274	4,274	4,274	4,274	17,286	22,109	22,109	22,109	22,109	22,109	55,066	55,066	55,066	55,066	55,066
Operations, maintenance & repair		0	0	10	10	393	393	393	393	393	21,290	21,290	21,290	21,290	21,290	21,290	21,290	21,290	21,290	21,290
Administrations		0	0	0	0	855	855	855	855	3,457	4,422	4,422	4,422	4,422	4,422	11,013	11,013	11,013	11,013	11,013
Depreciation costs		0	0	97	97	862	862	862	862	862	44,763	44,763	44,763	44,763	44,763	44,763	44,763	44,763	44,763	44,763
Net Operating Income		0	0	-106	-106	17,589	31,813	33,571	33,571	53,302	4,351	22,175	30,805	30,805	30,805	53,921	71,745	89,569	104,207	108,016
Non-operating Revenues		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	849
Interest on deposit		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	849
Non-operating Expenses		0	2,247	5,722	12,427	20,386	22,655	24,775	31,109	37,118	40,963	43,822	44,637	44,722	45,430	47,199	42,674	36,826	30,138	24,071
Interest on long-term loans		0	2,247	5,362	11,151	17,120	18,710	21,024	27,067	31,883	35,166	35,371	35,203	34,812	34,546	34,425	31,656	28,865	26,290	24,071
Interest on short-term loans		0	0	359	1,277	3,266	3,945	3,750	4,042	5,235	5,797	8,451	9,434	9,910	10,884	12,775	11,019	7,961	3,848	0
Net Income Before Tax		0	-2,247	-5,828	-12,533	-2,797	9,158	8,796	2,462	16,185	-36,612	-21,646	-13,833	-13,918	-14,625	6,722	29,071	52,743	74,069	84,794
Business Turnover Tax		0	0	0	0	1,199	1,910	1,998	1,998	3,765	4,847	5,738	6,169	6,169	6,169	9,303	10,194	11,085	11,817	12,007
Income Tax		0	0	0	0	0	3,262	3,059	209	5,589	0	0	0	0	0	0	8,495	18,746	28,013	32,754
Deemed Dividend Tax		0	0	0	0	0	997	935	64	1,708	0	0	0	0	0	0	2,596	5,728	8,560	10,008
Net Income After Tax		0	-2,247	-5,828	-12,533	-3,995	2,990	2,804	192	5,123	-41,458	-27,384	-20,002	-20,087	-20,795	-2,581	7,787	17,184	25,679	30,024
Retained Earnings		0	-2,247	-8,075	-20,608	-24,604	-21,613	-18,809	-18,618	-13,494	-54,953	-82,337	-102,340	-122,427	-143,221	-145,802	-138,015	-120,832	-95,153	-65,128

CASH FLOW STATEMENT (Unit: '000US\$)		1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Cash Beginning		0	0	-2,247	-7,978	-20,415	-24,654	-23,440	-25,261	-32,718	-36,233	-52,816	-58,966	-61,937	-68,023	-79,842	-68,866	-49,756	-24,052	5,306
Cash Inflow (excluding G. Funds)		51,593	71,536	132,905	141,110	64,664	105,974	204,452	179,921	170,224	99,073	116,880	125,510	126,476	125,512	98,685	116,508	134,332	148,971	153,628
Net operating income		0	0	-106	-106	17,589	31,813	33,571	33,571	53,302	4,351	22,175	30,805	30,805	30,805	53,921	71,745	89,569	104,207	108,016
Depreciation costs		0	0	97	97	862	862	862	862	862	44,763	44,763	44,763	44,763	44,763	44,763	44,763	44,763	44,763	44,763
Long-term loans		51,593	71,536	132,914	141,120	46,212	73,299	170,020	145,488	116,059	49,959	49,942	49,942	50,908	49,944	0	0	0	0	0
Interest on deposits		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	849
Cash Outflow (excluding G. Funds)		51,593	73,783	138,636	153,547	68,903	104,761	206,273	187,378	173,739	115,656	123,029	128,482	132,561	137,331	87,709	97,398	108,628	119,613	122,991
Investment		51,593	71,536	132,914	141,120	46,212	73,299	170,020	145,488	116,059	58,775	58,755	58,755	58,755	58,758	0	0	0	0	0
Repayment for long-term loans		0	0	0	0	1,106	2,638	5,487	8,511	11,072	14,715	18,920	22,914	26,974	31,207	33,440	36,243	41,085	44,150	44,150
Interest on long-term loans		0	2,247	5,362	11,151	17,120	18,710	21,024	27,067	31,883	35,166	35,371	35,203	34,812	34,546	34,425	31,656	28,865	26,290	24,071
Business Turnover Tax		0	0	0	0	1,199	1,910	1,998	1,998	3,765	4,847	5,738	6,169	6,169	6,169	9,303	10,194	11,085	11,817	12,007
Income Tax		0	0	0	0	0	3,262	3,059	209	5,589	0	0	0	0	0	0	8,495	18,746	28,013	32,754
Deemed Dividend Tax		0	0	0	0	0	997	935	64	1,708	0	0	0	0	0	0	2,596	5,728	8,560	10,008
Interest on short-term loans		0	0	359	1,277	3,266	3,945	3,750	4,042	5,235	5,797	8,451	9,434	9,910	10,884	12,775	11,019	7,961	3,848	0
Cash Inflow - Cash Outflow		0	-2,247	-5,731	-12,437	-4,239	1,214	-1,820	-7,457	-3,516	-16,583	-6,149	-2,972	-6,085	-11,819	10,976	19,110	25,704	29,358	30,637
Cash Ending		0	-2,247	-7,978	-20,415	-24,654	-23,440	-25,261	-32,718	-36,233	-52,816	-58,966	-61,937	-68,023	-79,842	-68,866	-49,756	-24,052	5,306	35,943
Cash excess		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5,306	35,943
Cash shortage		0	-2,247	-7,978	-20,415	-24,654	-23,440	-25,261	-32,718	-36,233	-52,816	-58,966	-61,937	-68,023	-79,842	-68,866	-49,756	-24,052	0	0

BALANCE SHEET (UNIT: '000US\$)		1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
(Assets)																				
Current Assets		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5,306	35,943
Cash & Deposit		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5,306	35,943
Fixed Assets		51,593	123,128	255,946	396,970	442,320	514,758	683,915	828,541	943,738	957,750	971,741	985,733	999,725	1,013,719	968,956	924,193	879,430	834,666	789,903
Construction costs		51,593	123,128	256,043	397,163	443,375	516,675	686,694	832,182	948,241	1,007,016	1,065,771	1,124,526	1,183,281	1,242,039	1,242,039	1,242,039	1,242,039	1,242,039	1,242,039
Accumulated depreciation		0	0	97	193	1,055	1,917	2,779	3,641	4,503	49,266	94,030	138,793	183,556	228,320	273,083	317,846	362,609	407,373	452,136
Net fixed assets		51,593	123,128	255,946	396,970	442,320	514,758	683,915	828,541	943,738	957,750	971,741	985,733	999,725	1,013,719	968,956	924,193	879,430	834,666	789,903
Total Assets		51,593	123,128	255,946	396,970	442,320	514,758	683,915	828,541	943,738	957,750	971,741	985,733	999,725	1,013,719	968,956	924,193	879,430	839,972	825,846
(Liabilities and capital)																				
Liabilities		51,593	125,375	264,021	417,578	466,924	536,371	702,724	847,158	957,232	1,012,702	1,054,078	1,088,072	1,122,151	1,156,941	1,114,758	1,062,208	1,000,261	935,125	890,974
Current Liabilities (cross subsidy)		0	2,247	7,978	20,415	24,654	23,440	25,261	32,718	36,233	52,816	58,966	61,937	68,023	79,842	68,866	49,756	24,052	0	0
Fixed Liabilities (Long-term loan)		51,593	123,128	256,043	397,163	442,270	512,931	677,464	814,441	920,999	959,886	995,113	1,026,135	1,054,129	1,077,099	1,045,892	1,012,453	976,210	935,125	890,974
Capital		0	-2,247	-8,075	-20,608	-24,604	-21,613	-18,809	-18,618	-13,494	-54,953	-82,337	-102,340	-122,427	-143,221	-145,802	-138,015	-120,832	-95,153	-65,128
Investment in Kind By Gov. Funds		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Net Income After Tax		0	-2,247	-5,828	-12,533	-3,995	2,990	2,804	192	5,123	-41,458	-27,384	-20,002	-20,087	-20,795	-2,581	7,787	17,184	25,679	30,024
Retained Earnings		0	-2,247	-8,075	-20,608	-24,604	-21,613	-18,809	-18,618	-13,494	-54,953	-82,337	-102,340	-122,427	-143,221	-145,802	-138,015	-120,832	-95,153	-65,128
Total Liabilities and capital		51,593	123,128	255,946	396,970	442,320	514,758	683,915	828,541	943,738	957,750	971,741	985,733	999,725	1,013,719	968,956	924,193	879,430	839,972	825,846

FINANCIAL INDICATORS		1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Working Ratio (%)		0.0%	0.0%	0.0%	0.0%	23.0%	14.5%	13.8%	13.8%	28.1%	49.3%	41.7%	38.8%	38.8%	38.8%	47.0%	42.9%	39.4%	37.0%	36.4%
Operating Ratio (%)		0.0%	0.0%	0.0%	0.0%	26.6%	16.7%	16.0%	16.0%	29.2%	95.5%	80.7%	75.0%	75.0%	75.0%	71.0%	64.8%	59.6%	55.9%	55.0%
Rate of Return on Net Fixed Assets		0.0%	0.0%	0.0%	0.0%	4.0%	6.2%	4.9%	4.1%	5.6%	0.5%	2.3%	3.1%	3.1%	3.0%	5.6%	7.8%	10.2%	12.5%	13.7%
Debt Service Coverage Ratio		0.0%	0.0%	-0.2%	-0.1%	101.2%	153.1%	129.9%	96.8%	130.9%	106.2%	133.6%	139.6%	130.9%	122.8%	150.4%	179.0%	206.3%	221.1%	223.9%







TABLE A8.4.2(3) The Financial Statements - Scenario 2

PROFIT AND LOSS STATEMENT (UNIT: '000 US\$)																									
	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Operating Revenue	240,149	240,149	240,149	240,149	240,149	240,149	240,149	240,149	240,149	240,149	240,149	240,149	240,149	240,149	240,149	240,149	240,149	240,149	240,149	240,149	240,149	240,149	240,149	240,149	240,149
Operating Cost	132,133	132,133	132,133	132,133	132,133	132,133	132,133	132,133	132,133	132,133	132,133	132,133	132,133	132,133	132,133	132,133	132,133	132,133	132,133	132,133	132,133	132,133	132,133	132,133	132,133
Personnel	55,066	55,066	55,066	55,066	55,066	55,066	55,066	55,066	55,066	55,066	55,066	55,066	55,066	55,066	55,066	55,066	55,066	55,066	55,066	55,066	55,066	55,066	55,066	55,066	55,066
Operations, maintenance & repair	21,290	21,290	21,290	21,290	21,290	21,290	21,290	21,290	21,290	21,290	21,290	21,290	21,290	21,290	21,290	21,290	21,290	21,290	21,290	21,290	21,290	21,290	21,290	21,290	21,290
Administrations	11,013	11,013	11,013	11,013	11,013	11,013	11,013	11,013	11,013	11,013	11,013	11,013	11,013	11,013	11,013	11,013	11,013	11,013	11,013	11,013	11,013	11,013	11,013	11,013	11,013
Depreciation costs	44,763	44,763	44,763	44,763	44,763	44,763	44,763	44,763	44,763	44,763	44,763	44,763	44,763	44,763	44,763	44,763	44,763	44,763	44,763	44,763	44,763	44,763	44,763	44,763	44,763
Net Operating Income	108,016	108,016	108,016	108,016	108,016	108,016	108,016	108,016	108,016	108,016	108,016	108,016	108,016	108,016	108,016	108,016	108,016	108,016	108,016	108,016	108,016	108,016	108,016	108,016	108,016
Non-operating Revenues	5,751	10,713	15,922	21,386	27,111	33,106	39,379	46,145	53,438	61,293	69,747	78,838	88,610	99,454	111,572	125,458	141,274	158,500	177,408	198,756	222,529	248,679	276,969	307,538	340,531
Interest on deposit	5,751	10,713	15,922	21,386	27,111	33,106	39,379	46,145	53,438	61,293	69,747	78,838	88,610	99,454	111,572	125,458	141,274	158,500	177,408	198,756	222,529	248,679	276,969	307,538	340,531
Non-operating Expenses	22,137	20,347	18,701	17,199	15,840	14,626	13,412	12,198	10,984	9,770	8,556	7,342	6,178	5,084	4,121	3,295	2,514	1,805	1,262	862	574	345	172	57	-0
Interest on long-term loans	22,137	20,347	18,701	17,199	15,840	14,626	13,412	12,198	10,984	9,770	8,556	7,342	6,178	5,084	4,121	3,295	2,514	1,805	1,262	862	574	345	172	57	-0
Interest on short-term loans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Net Income Before Tax	91,630	98,382	105,237	112,203	119,287	126,496	133,982	141,963	150,470	159,539	169,207	179,512	190,417	202,385	215,468	230,179	246,776	264,711	284,162	305,911	329,971	356,350	384,813	415,497	448,548
Business Turnover Tax	12,007	12,007	12,007	12,007	12,007	12,007	12,007	12,007	12,007	12,007	12,007	12,007	12,007	12,007	12,007	12,007	12,007	12,007	12,007	12,007	12,007	12,007	12,007	12,007	12,007
Income Tax	35,830	38,869	41,954	45,088	48,276	51,520	54,889	58,480	62,308	66,389	70,740	75,377	80,298	85,670	91,557	98,177	105,646	113,717	122,470	132,256	143,083	154,954	167,763	181,570	196,443
Deemed Dividend Tax	10,948	11,876	12,819	13,777	14,751	15,742	16,772	17,869	19,039	20,286	21,615	23,032	24,536	26,177	27,976	29,999	32,281	34,747	37,421	40,412	43,720	47,347	51,261	55,480	60,024
Net Income After Tax	32,844	35,629	38,457	41,331	44,253	47,226	50,315	53,607	57,116	60,857	64,845	69,096	73,607	78,531	83,927	89,996	96,842	104,240	112,264	121,235	131,160	142,041	153,782	166,439	180,073
Retained Earnings	-32,284	3,346	41,803	83,134	127,386	174,613	224,927	278,534	335,650	396,507	461,352	530,447	604,054	682,585	766,512	856,508	953,350	1,057,590	1,169,854	1,291,089	1,422,249	1,564,290	1,718,073	1,884,512	2,064,585

CASH FLOW STATEMENT (Unit: 000US\$)		2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Cash Beginning		35,943	66,955	99,513	133,662	169,445	206,913	246,116	288,407	333,990	383,083	435,916	492,738	553,810	621,586	697,326	784,112	882,964	990,626	1,108,802	1,242,227	1,390,806	1,554,243	1,731,059	1,922,113	2,128,322
Cash Inflow (excluding G. Funds)		158,530	163,492	168,701	174,165	179,891	185,885	192,158	198,924	206,218	214,073	222,526	231,617	241,389	252,233	264,352	278,237	294,054	311,280	330,188	351,536	375,308	401,458	429,749	460,317	493,311
Net operating income		108,016	108,016	108,016	108,016	108,016	108,016	108,016	108,016	108,016	108,016	108,016	108,016	108,016	108,016	108,016	108,016	108,016	108,016	108,016	108,016	108,016	108,016	108,016	108,016	108,016
Depreciation costs		44,763	44,763	44,763	44,763	44,763	44,763	44,763	44,763	44,763	44,763	44,763	44,763	44,763	44,763	44,763	44,763	44,763	44,763	44,763	44,763	44,763	44,763	44,763	44,763	44,763
Long-term loans		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Interest on deposits		5,751	10,713	15,922	21,386	27,111	33,106	39,379	46,145	53,438	61,293	69,747	78,838	88,610	99,454	111,572	125,458	141,274	158,500	177,408	198,756	222,529	248,679	276,969	307,538	340,531
Cash Outflow (excluding G. Funds)		127,519	130,934	134,553	138,382	142,423	146,682	149,867	153,341	157,125	161,239	165,705	170,545	173,613	176,493	177,566	179,385	186,391	193,104	196,763	202,956	211,872	224,642	238,695	254,109	270,972
Investment		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Repayment for long-term loans		46,596	47,834	49,072	50,310	51,549	52,787	52,787	52,787	52,787	52,787	52,787	52,787	50,594	47,554	41,905	35,907	33,943	30,828	23,602	17,419	12,486	9,988	7,491	4,994	2,497
Interest on long-term loans		22,137	20,347	18,701	17,199	15,840	14,626	13,412	12,198	10,984	9,770	8,556	7,342	6,178	5,084	4,121	3,295	2,514	1,805	1,262	862	574	345	172	57	-0
Business Turnover Tax		12,007	12,007	12,007	12,007	12,007	12,007	12,007	12,007	12,007	12,007	12,007	12,007	12,007	12,007	12,007	12,007	12,007	12,007	12,007	12,007	12,007	12,007	12,007	12,007	12,007
Income Tax		35,830	38,869	41,954	45,088	48,276	51,520	54,889	58,480	62,308	66,389	70,740	75,377	80,298	85,670	91,557	98,177	105,646	113,717	122,470	132,256	143,083	154,954	167,763	181,570	196,443
Deemed Dividend Tax		10,948	11,876	12,819	13,777	14,751	15,742	16,772	17,869	19,039	20,286	21,615	23,032	24,536	26,177	27,976	29,999	32,281	34,747	37,421	40,412	43,720	47,347	51,261	55,480	60,024
Interest on short-term loans		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cash Inflow - Cash Outflow		31,012	32,558	34,148	35,784	37,467	39,203	42,291	45,583	49,093	52,834	56,821	61,072	67,776	75,740	86,786	98,852	107,662	118,176	133,425	148,579	163,437	176,816	191,054	206,208	222,339
Cash Ending		66,955	99,513	133,662	169,445	206,913	246,116	288,407	333,990	383,083	435,916	492,738	553,810	621,586	697,326	784,112	882,964	990,626	1,108,802	1,242,227	1,390,806	1,554,243	1,731,059	1,922,113	2,128,322	2,350,660
Cash excess		66,955	99,513	133,662	169,445	206,913	246,116	288,407	333,990	383,083	435,916	492,738	553,810	621,586	697,326	784,112	882,964	990,626	1,108,802	1,242,227	1,390,806	1,554,243	1,731,059	1,922,113	2,128,322	2,350,660
Cash shortage		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

BALANCE SHEET (UNIT: 000US\$)																									
	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
(Assets)																									
Current Assets	66,955	99,513	133,662	169,445	206,913	246,116	288,407	333,990	383,083	435,916	492,738	553,810	621,586	697,326	784,112	882,964	990,626	1,108,802	1,242,227	1,390,806	1,554,243	1,731,059	1,922,113	2,128,322	2,350,660
Cash & Deposit	66,955	99,513	133,662	169,445	206,913	246,116	288,407	333,990	383,083	435,916	492,738	553,810	621,586	697,326	784,112	882,964	990,626	1,108,802	1,242,227	1,390,806	1,554,243	1,731,059	1,922,113	2,128,322	2,350,660
Fixed Assets	745,140	700,376	655,613	610,850	566,087	521,323	476,560	431,797	387,033	342,270	297,507	252,744	207,980	163,217	118,454	73,690	28,927	-15,836	-60,599	-105,363	-150,126	-194,889	-239,653	-284,416	-329,179
Construction costs	1,242,039	1,242,039	1,242,039	1,242,039	1,242,039	1,242,039	1,242,039	1,242,039	1,242,039	1,242,039	1,242,039	1,242,039	1,242,039	1,242,039	1,242,039	1,242,039	1,242,039	1,242,039	1,242,039	1,242,039	1,242,039	1,242,039	1,242,039	1,242,039	1,242,039
Accumulated depreciation	496,899	541,663	586,426	631,189	675,952	720,716	765,479	810,242	855,006	899,769	944,532	989,295	1,034,059	1,078,822	1,123,585	1,168,349	1,213,112	1,257,875	1,302,638	1,347,402	1,392,165	1,436,928	1,481,692	1,526,455	1,571,218
Net fixed assets	745,140	700,376	655,613	610,850	566,087	521,323	476,560	431,797	387,033	342,270	297,507	252,744	207,980	163,217	118,454	73,690	28,927	-15,836	-60,599	-105,363	-150,126	-194,889	-239,653	-284,416	-329,179
Total Assets	812,095	799,890	789,275	780,295	772,999	767,439	764,967	765,787	770,116	778,186	790,244	806,553	829,566	860,543	902,566	956,654	1,019,553	1,092,965	1,181,627	1,285,443	1,404,117	1,536,170	1,682,461	1,843,906	2,021,481
(Liabilities and capital)																									
Liabilities	844,379	796,544	747,472	697,161	645,613	592,826	540,039	487,253	434,466	381,679	328,893	276,106	225,512	177,958	136,054	100,146	66,203	35,375	11,773	-5,646	-18,132	-28,121	-35,612	-40,606	-43,104
Current Liabilities (cross subsidy)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fixed Liabilities (Long-term loan)	844,379	796,544	747,472	697,161	645,613	592,826	540,039	487,253	434,466	381,679	328,893	276,106	225,512	177,958	136,054	100,146	66,203	35,375	11,773	-5,646	-18,132	-28,121	-35,612	-40,606	-43,104
Capital	-32,284	3,346	41,803	83,134	127,386	174,613	224,927	278,534	335,650	396,507	461,352	530,447	604,054	682,585	766,512	856,508	953,350	1,057,590	1,169,854	1,291,089	1,422,249	1,564,290	1,718,073	1,884,512	2,064,585
Investment in Kind By Gov. Funds	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Net Income After Tax	32,844	35,629	38,457	41,331	44,253	47,226	50,315	53,607	57,116	60,857	64,845	69,096	73,607	78,531	83,927	89,996	96,842	104,240	112,264	121,235	131,160	142,041	153,782	166,439	180,073
Retained Earnings	-32,284	3,346	41,803	83,134	127,386	174,613	224,927	278,534	335,650	396,507	461,352	530,447	604,054	682,585	766,512	856,508	953,350	1,057,590	1,169,854	1,291,089	1,422,249	1,564,290	1,718,073	1,884,512	2,064,585
Total Liabilities and capital	812,095	799,890	789,275	780,295	772,999	767,439	764,967	765,787	770,116	778,186	790,244	806,553	829,566	860,543	902,566	956,654	1,019,553	1,092,965	1,181,627	1,285,443	1,404,117	1,536,170	1,682,461	1,843,906	2,021,481





TABLE A8.4.2(4) The Financial Statements - Scenario 3

PROFIT AND LOSS STATEMENT (UNIT: '000 US\$)																			
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Land Lease & Royalty Revenue	0	0	0	0	8,111	8,253	8,270	8,270	16,517	24,615	24,798	24,886	24,886	24,886	33,147	33,330	33,513	33,663	33,682
Operating Cost	0	0	0	0	851	851	851	851	851	8,431	8,431	8,431	8,431	8,431	8,431	8,431	8,431	8,431	8,431
Personnel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Operations, maintenance & repair	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Administrations	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Depreciation costs	0	0	0	0	851	851	851	851	851	8,431	8,431	8,431	8,431	8,431	8,431	8,431	8,431	8,431	8,431
Net Operating Income	0	0	0	0	7,261	7,402	7,420	7,420	15,667	16,184	16,367	16,455	16,455	16,455	24,716	24,899	25,082	25,232	25,252
Non-operating Revenues	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Interest on deposit	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Non-operating Expenses	0	2,169	4,706	7,325	9,184	10,844	13,441	15,923	17,435	17,279	15,879	14,412	13,010	11,755	10,614	9,588	8,740	8,074	7,543
Interest on long-term loans	0	2,169	4,706	7,325	9,184	10,844	13,441	15,923	17,435	17,279	15,879	14,412	13,010	11,755	10,614	9,588	8,740	8,074	7,543
Interest on short-term loans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Net Income Before Tax	0	-2,169	-4,706	-7,325	-1,924	-3,442	-6,021	-8,503	-1,769	-1,095	488	2,043	3,445	4,700	14,102	15,311	16,341	17,158	17,709
Business Turnover Tax	0	0	0	0	406	413	414	414	826	1,231	1,240	1,244	1,244	1,244	1,657	1,666	1,676	1,683	1,684
Income Tax	0	0	0	0	0	0	0	0	0	0	0	359	991	1,555	5,600	6,140	6,600	6,964	7,211
Deemed Dividend Tax	0	0	0	0	0	0	0	0	0	0	0	110	303	475	1,711	1,876	2,017	2,128	2,203
Net Income After Tax	0	-2,169	-4,706	-7,325	-2,329	-3,855	-6,435	-8,916	-2,595	-2,326	-752	330	908	1,426	5,133	5,628	6,050	6,383	6,610
Retained Earnings	0	-2,169	-6,875	-14,200	-16,529	-20,384	-26,819	-35,735	-38,330	-40,655	-41,408	-41,078	-40,170	-38,745	-33,611	-27,983	-21,933	-15,550	-8,940

CASH FLOW STATEMENT (Unit: '000US\$)																			
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Cash Beginning		0	-2,169	-6,875	-14,200	-16,746	-22,066	-31,254	-43,923	-51,269	-52,328	-53,396	-55,618	-58,976	-63,083	-64,465	-66,334	-69,317	-73,524
Cash Inflow (excluding G. Funds)	49,799	58,263	60,142	46,609	54,731	81,126	82,164	63,584	39,244	24,615	24,798	24,886	24,886	24,886	33,147	33,330	33,513	33,663	33,682
Net operating income	0	0	0	0	7,261	7,402	7,420	7,420	15,667	16,184	16,367	16,455	16,455	16,455	24,716	24,899	25,082	25,232	25,252
Depreciation costs	0	0	0	0	851	851	851	851	851	8,431	8,431	8,431	8,431	8,431	8,431	8,431	8,431	8,431	8,431
Long-term loans	49,799	58,263	60,142	46,609	46,620	72,873	73,894	55,314	22,727	0	0	0	0	0	0	0	0	0	0
Interest on deposits	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cash Outflow (excluding G. Funds)	49,799	60,431	64,848	53,934	57,277	86,445	91,353	76,253	46,590	25,673	25,866	27,108	28,244	28,993	34,529	35,199	36,496	37,869	38,828
Investment	49,799	58,263	60,142	46,609	46,620	72,873	73,894	55,314	22,727	0	0	0	0	0	0	0	0	0	0
Repayment for long-term loans	0	0	0	0	1,067	2,316	3,604	4,603	5,602	7,164	8,747	10,982	12,696	13,964	14,946	15,928	17,464	19,021	20,186
Interest on long-term loans	0	2,169	4,706	7,325	9,184	10,844	13,441	15,923	17,435	17,279	15,879	14,412	13,010	11,755	10,614	9,588	8,740	8,074	7,543
Business Turnover Tax	0	0	0	0	406	413	414	414	826	1,231	1,240	1,244	1,244	1,244	1,657	1,666	1,676	1,683	1,684
Income Tax	0	0	0	0	0	0	0	0	0	0	0	359	991	1,555	5,600	6,140	6,600	6,964	7,211
Deemed Dividend Tax	0	0	0	0	0	0	0	0	0	0	0	110	303	475	1,711	1,876	2,017	2,128	2,203
Interest on short-term loans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cash Inflow - Cash Outflow	0	-2,169	-4,706	-7,325	-2,546	-5,320	-9,189	-12,669	-7,346	-1,059	-1,069	-2,221	-3,358	-4,107	-1,382	-1,869	-2,983	-4,207	-5,145
Cash Ending	0	-2,169	-6,875	-14,200	-16,746	-22,066	-31,254	-43,923	-51,269	-52,328	-53,396	-55,618	-58,976	-63,083	-64,465	-66,334	-69,317	-73,524	-78,669
Cash excess	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cash shortage	0	-2,169	-6,875	-14,200	-16,746	-22,066	-31,254	-43,923	-51,269	-52,328	-53,396	-55,618	-58,976	-63,083	-64,465	-66,334	-69,317	-73,524	-78,669

BALANCE SHEET (UNIT: '000US\$)																			
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
(Assets)																			
Current Assets	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cash & Deposit	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fixed Assets	49,799	108,061	168,203	214,812	260,582	332,604	405,647	460,110	481,987	473,556	465,125	456,695	448,264	439,833	431,402	422,972	414,541	406,110	397,679
Construction costs	49,799	108,061	168,203	214,812	261,432	334,305	408,199	463,513	486,240	486,240	486,240	486,240	486,240	486,240	486,240	486,240	486,240	486,240	486,240
Accumulated depreciation	0	0	0	0	851	1,701	2,552	3,402	4,253	12,684	21,114	29,545	37,976	46,407	54,837	63,268	71,699	80,130	88,560
Net fixed assets	49,799	108,061	168,203	214,812	260,582	332,604	405,647	460,110	481,987	473,556	465,125	456,695	448,264	439,833	431,402	422,972	414,541	406,110	397,679
Total Assets	49,799	108,061	168,203	214,812	260,582	332,604	405,647	460,110	481,987	473,556	465,125	456,695	448,264	439,833	431,402	422,972	414,541	406,110	397,679
(Liabilities and capital)																			
Liabilities	49,799	110,230	175,078	229,012	277,111	352,988	432,466	495,846	520,317	514,212	506,533	497,723	488,434	478,578	465,014	450,955	436,474	421,660	406,619
Current Liabilities (cross subsidy)	0	2,169	6,875	14,200	16,746	22,066	31,254	43,923	51,269	52,328	53,396	55,618	58,976	63,083	64,465	66,334	69,317	73,524	78,669
Fixed Liabilities (Long-term loan)	49,799	108,061	168,203	214,812	260,365	330,922	401,212	431,923	469,048	461,884	453,137	442,155	429,459	415,495	400,549	384,621	367,157	348,136	327,950
Capital	0	-2,169	-6,875	-14,200	-16,529	-20,384	-26,819	-35,735	-38,330	-40,655	-41,408	-41,078	-40,170	-38,745	-33,611	-27,983	-21,933	-15,550	-8,940
Investment in Kind By Gov. Funds	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Net Income After Tax	0	-2,169	-4,706	-7,325	-2,329	-3,855	-6,435	-8,916	-2,595	-2,326	-752	330	908	1,426	5,133	5,628	6,050	6,383	6,610
Retained Earnings	0	-2,169	-6,875	-14,200	-16,529	-20,384	-26,819	-35,735	-38,330	-40,655	-41,408	-41,078	-40,170	-38,745	-33,611	-27,983	-2		





TABLE A8.4.2(4) The Financial Statements - Scenario 3

PROFIT AND LOSS STATEMENT (UNIT: '000 US\$)																									
	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Land Lease & Royalty Revenue	33,682	33,682	33,682	33,682	33,682	33,682	33,682	33,682	33,682	33,682	33,682	33,682	33,682	33,682	33,682	33,682	33,682	33,682	33,682	33,682	33,682	33,682	33,682	33,682	33,682
Operating Cost	8,431	8,431	8,431	8,431	8,431	8,431	8,431	8,431	8,431	8,431	8,431	8,431	8,431	8,431	8,431	8,431	8,431	8,431	8,431	8,431	8,431	8,431	8,431	8,431	8,431
Personnel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Operations, maintenance & repair	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Administrations	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Depreciation costs	8,431	8,431	8,431	8,431	8,431	8,431	8,431	8,431	8,431	8,431	8,431	8,431	8,431	8,431	8,431	8,431	8,431	8,431	8,431	8,431	8,431	8,431	8,431	8,431	8,431
Net Operating Income	25,252	25,252	25,252	25,252	25,252	25,252	25,252	25,252	25,252	25,252	25,252	25,252	25,252	25,252	25,252	25,252	25,252	25,252	25,252	25,252	25,252	25,252	25,252	25,252	25,252
Non-operating Revenues	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Interest on deposit	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Non-operating Expenses	7,068	6,592	6,117	5,642	5,166	4,691	4,216	3,740	3,265	2,790	2,315	1,839	1,413	1,043	732	467	247	99	22	-0	0	0	0	0	0
Interest on long-term loans	7,068	6,592	6,117	5,642	5,166	4,691	4,216	3,740	3,265	2,790	2,315	1,839	1,413	1,043	732	467	247	99	22	-0	0	0	0	0	0
Interest on short-term loans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Net Income Before Tax	18,184	18,659	19,135	19,610	20,085	20,560	21,036	21,511	21,986	22,462	22,937	23,412	23,839	24,209	24,519	24,785	25,005	25,153	25,229	25,252	25,252	25,252	25,252	25,252	25,252
Business Turnover Tax	1,684	1,684	1,684	1,684	1,684	1,684	1,684	1,684	1,684	1,684	1,684	1,684	1,684	1,684	1,684	1,684	1,684	1,684	1,684	1,684	1,684	1,684	1,684	1,684	1,684
Income Tax	7,425	7,639	7,853	8,067	8,280	8,494	8,708	8,922	9,136	9,350	9,564	9,778	9,970	10,136	10,276	10,395	10,494	10,561	10,595	10,605	10,605	10,605	10,605	10,605	10,605
Deemed Dividend Tax	2,269	2,334	2,399	2,465	2,530	2,596	2,661	2,726	2,792	2,857	2,922	2,988	3,046	3,097	3,140	3,176	3,207	3,227	3,237	3,241	3,241	3,241	3,241	3,241	3,241
Net Income After Tax	6,806	7,002	7,198	7,394	7,590	7,787	7,983	8,179	8,375	8,571	8,767	8,963	9,139	9,291	9,420	9,529	9,620	9,681	9,712	9,722	9,722	9,722	9,722	9,722	9,722
Retained Earnings	-2,133	4,869	12,067	19,461	27,052	34,838	42,821	51,000	59,374	67,945	76,712	85,675	94,814	104,105	113,525	123,054	132,673	142,354	152,067	161,788	171,510	181,231	190,953	200,674	210,396

CASH FLOW STATEMENT (Unit: '000US\$)																									
	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Cash Beginning	-78,669	-84,097	-89,329	-94,366	-99,206	-103,850	-108,298	-112,549	-116,605	-120,465	-124,129	-127,596	-130,868	-131,847	-130,198	-125,864	-119,440	-110,944	-99,289	-84,463	-67,276	-49,124	-30,972	-12,819	5,333
Cash Inflow (excluding G. Funds)	33,682	33,682	33,682	33,682	33,682	33,682	33,682	33,682	33,682	33,682	33,682	33,682	33,682	33,682	33,682	33,682	33,682	33,682	33,682	33,682	33,682	33,682	33,682	33,682	33,682
Net operating income	25,252	25,252	25,252	25,252	25,252	25,252	25,252	25,252	25,252	25,252	25,252	25,252	25,252	25,252	25,252	25,252	25,252	25,252	25,252	25,252	25,252	25,252	25,252	25,252	25,252
Depreciation costs	8,431	8,431	8,431	8,431	8,431	8,431	8,431	8,431	8,431	8,431	8,431	8,431	8,431	8,431	8,431	8,431	8,431	8,431	8,431	8,431	8,431	8,431	8,431	8,431	8,431
Long-term loans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Interest on deposits	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cash Outflow (excluding G. Funds)	39,111	38,914	38,718	38,522	38,326	38,130	37,934	37,738	37,542	37,346	37,150	36,954	34,661	32,033	29,349	27,258	25,186	22,028	18,856	16,496	15,530	15,530	15,530	15,530	15,530
Investment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Repayment for long-term loans	20,665	20,665	20,665	20,665	20,665	20,665	20,665	20,665	20,665	20,665	20,665	20,665	18,549	16,073	13,517	11,536	9,554	6,457	3,317	966	0	0	0	0	0
Interest on long-term loans	7,068	6,592	6,117	5,642	5,166	4,691	4,216	3,740	3,265	2,790	2,315	1,839	1,413	1,043	732	467	247	99	22	-0	0	0	0	0	0
Business Turnover Tax	1,684	1,684	1,684	1,684	1,684	1,684	1,684	1,684	1,684	1,684	1,684	1,684	1,684	1,684	1,684	1,684	1,684	1,684	1,684	1,684	1,684	1,684	1,684	1,684	1,684
Income Tax	7,425	7,639	7,853	8,067	8,280	8,494	8,708	8,922	9,136	9,350	9,564	9,778	9,970	10,136	10,276	10,395	10,494	10,561	10,595	10,605	10,605	10,605	10,605	10,605	10,605
Deemed Dividend Tax	2,269	2,334	2,399	2,465	2,530	2,596	2,661	2,726	2,792	2,857	2,922	2,988	3,046	3,097	3,140	3,176	3,207	3,227	3,237	3,241	3,241	3,241	3,241	3,241	3,241
Interest on short-term loans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cash Inflow - Cash Outflow	-5,428	-5,232	-5,036	-4,840	-4,644	-4,448	-4,252	-4,056	-3,860	-3,664	-3,468	-3,272	-979	1,650	4,334	6,424	8,496	11,654	14,826	17,186	18,152	18,152	18,152	18,152	18,152
Cash Ending	-84,097	-89,329	-94,366	-99,206	-103,850	-108,298	-112,549	-116,605	-120,465	-124,129	-127,596	-130,868	-131,847	-130,198	-125,864	-119,440	-110,944	-99,289	-84,463	-67,276	-49,124	-30,972	-12,819	5,333	23,485
Cash excess	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cash shortage	-84,097	-89,329	-94,366	-99,206	-103,850	-108,298	-112,549	-116,605	-120,465	-124,129	-127,596	-130,868	-131,847	-130,198	-125,864	-119,440	-110,944	-99,289	-84,463	-67,276	-49,124	-30,972	-12,819	0	0

BALANCE SHEET (UNIT: '000US\$)																									
	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
(Assets)																									
Current Assets	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5,333	23,485
Cash & Deposit	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5,333	23,485
Fixed Assets	389,249	380,818	372,387	363,956	355,526	347,095	338,664	330,233	321,803	313,372	304,941	296,510	288,080	279,649	271,218	262,787	254,357	245,926	237,495	229,064	220,634	212,203	203,772	195,341	186,911
Construction costs	486,240	486,240	486,240	486,240	486,240	486,240	486,240	486,240	486,240	486,240	486,240	486,240	486,240	486,240	486,240	486,240	486,240	486,240	486,240	486,240	486,240	486,240	486,240	486,240	486,240
Accumulated depreciation	96,991	105,422	113,853	122,284	130,714	139,145	147,576	156,007	164,437	172,868	181,299	189,730	198,160	206,591	215,022	223,453	231,883	240,314	248,745	257,176	265,606	274,037	282,468	290,899	299,329
Net fixed assets	389,249	380,818	372,387	363,956	355,526	347,095	338,664	330,233	321,803	313,372	304,941	296,510	288,080	279,649	271,218	262,787	254,357	245,926	237,495	229,064	220,634	212,203	203,772	195,341	186,911
Total Assets	389,249	380,818	372,387	363,956	355,526	347,095	338,664	330,233	321,803	313,372	304,941	296,510	288,080	279,649	271,218	262,787	254,357	245,926	237,495	229,064	220,634	212,203	203,772	200,674	210,396
(Liabilities and capital)																									
Liabilities	391,382	375,949	360,320	344,495	328,474	312,256	295,843	279,234	262,428	245,427	228,229	210,836	193,266	175,544	157,694	139,734	121,683	103,572	85,429	67,276	49,124	30,972	12,819	-0	-0
Current Liabilities (cross subsidy)	84,097	89,329	94,366	99,206	103,850	108,298	112,549	116,605	120,465	124,129	127,596	130,868	131,847	130,198	125,864	119,440	110,944	99,289	84,463	67,276	49,124	30,972	12,819	0	0
Fixed Liabilities (Long-term loan)	307,285	286,620	265,954	245,289	224,624	203,959	183,294	162,629	141,963	121,298	100,633	79,968	61,419	45,346	31,830	20,294	10,740	4,283	966	-0	-0	-0	-0	-0	-0
Capital	-2,133	4,869	12,067	19,461	27,052	34,838	42,821	51,000	59,374	67,945	76,712	85,675	94,814	104,105	113,525	123,054	132,673	142,354	152,067	161,788	171,510	181,231	190,953	200,674	210,396
Investment in Kind By Gov. Funds	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Net Income After Tax	6,806	7,002	7,198	7,394	7,590	7,787	7,983	8,179	8,375	8,571	8,767	8,963	9,159	9,291	9,420	9,529	9,620	9,681	9,712	9,722	9,722	9,722	9,722	9,722	9,722
Retained Earnings	-2,133	4,869	12,067	19,461	27,052	34,838	42,821	51,000	59,374	67,945	76,712	85,675	94,814	104,105	113,525	123,054	132,673	142,354	152,067	161,788	171,510	181,231	190,953	200,674	210,396
Total Liabilities and capital	389,249	380,818	372,387	363,956	355,526	347,095	338,664	330,233	321,803	313,372	304,941	296,510	288,080	279,649	271,218	262,787	254,357	245,926	237,495	229,064	220,634	212,203	203,772	200,674	210,396







**TABLE A8.4.2(5) The Financial Statements - from the Point of View of the Private  
Company which Implements BOT**

PROFIT AND LOSS STATEMENT (UNIT: '000 US\$)																			
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Operating Revenues	0	0	0	0	0	0	0	0	0	0	0	0	0	0	49,839	64,014	78,190	89,832	91,481
Operating Cost	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20,179	20,179	20,179	20,179	20,179
Personnel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4,853	4,853	4,853	4,853	4,853
Operations, maintenance & repair	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9,403	9,403	9,403	9,403	9,403
Administrations	0	0	0	0	0	0	0	0	0	0	0	0	0	0	971	971	971	971	971
Depreciation costs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4,952	4,952	4,952	4,952	4,952
Net Operating Income	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29,660	43,836	58,011	69,653	71,302
Non-operating Revenues	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Interest on deposit	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Non-operating Expenses	0	0	0	0	0	0	0	0	0	0	7,082	14,871	23,440	32,449	42,432	43,194	42,759	41,673	40,577
Interest on long-term loans	0	0	0	0	0	0	0	0	0	0	7,082	14,163	21,245	27,910	34,158	32,908	31,242	29,159	27,077
Interest on short-term loans	0	0	0	0	0	0	0	0	0	0	0	708	2,195	4,539	8,274	10,286	11,517	12,514	13,500
Royalty	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7,618	7,618	7,618	7,618	7,618
Net Income Before Tax	0	0	0	0	0	0	0	0	0	0	-7,082	-14,871	-23,440	-32,449	-12,772	641	15,252	27,980	30,726
Business Turnover Tax	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,492	3,201	3,909	4,492	4,574
Income Tax	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5,104	10,570	11,768
Deemed Dividend Tax	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,560	3,230	3,596
Net Income After Tax	0	0	0	0	0	0	0	0	0	0	-7,082	-14,871	-23,440	-32,449	-15,264	-2,559	4,679	9,689	10,788
Retained Earnings	0	0	0	0	0	0	0	0	0	0	-7,082	-21,953	-45,393	-77,842	-93,106	-95,666	-90,987	-81,298	-70,510

CASHFLOW STATEMENT (Unit: '000US\$)																			
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Cash Beginning	0	0	0	0	0	0	0	0	0	0	0	-7,082	-21,953	-45,393	-82,743	-102,856	-115,165	-125,137	-134,999
Cash Inflow (excluding G. Funds)	0	0	0	0	0	0	0	0	0	83,313	83,313	83,313	83,313	83,313	34,612	48,788	62,963	74,606	76,255
Net operating income	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29,660	43,836	58,011	69,653	71,302
Depreciation costs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4,952	4,952	4,952	4,952	4,952
Long-term loans	0	0	0	0	0	0	0	0	0	83,313	83,313	83,313	83,313	83,313	0	0	0	0	0
Interest on deposits	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cash Outflow (excluding G. Funds)	0	0	0	0	0	0	0	0	0	83,313	90,394	98,184	106,753	120,662	54,726	61,097	72,935	84,468	85,019
Investment	0	0	0	0	0	0	0	0	0	83,313	83,313	83,313	83,313	83,313	0	0	0	0	0
Repayment for long-term loans	0	0	0	0	0	0	0	0	0	0	0	0	0	4,901	9,801	14,702	19,603	24,504	24,504
Interest on long-term loans	0	0	0	0	0	0	0	0	0	0	7,082	14,163	21,245	27,910	34,158	32,908	31,242	29,159	27,077
Business Turnover Tax	0	0	0	0	0	0	0	0	0	0	0	0	0	2,492	3,201	3,909	4,492	4,574	4,574
Income Tax	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5,104	10,570	11,768
Deemed Dividend Tax	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,560	3,230	3,596
Interest on short-term loans	0	0	0	0	0	0	0	0	0	0	0	708	2,195	4,539	8,274	10,286	11,517	12,514	13,500
Cash Inflow - Cash Outflow	0	0	0	0	0	0	0	0	0	0	-7,082	-14,871	-23,440	-37,350	-20,113	-12,309	-9,972	-9,862	-8,764
Cash Ending	0	0	0	0	0	0	0	0	0	0	-7,082	-21,953	-45,393	-82,743	-102,856	-115,165	-125,137	-134,999	-143,763
Cash excess	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cash shortage	0	0	0	0	0	0	0	0	0	0	-7,082	-21,953	-45,393	-82,743	-102,856	-115,165	-125,137	-134,999	-143,763

BALANCE SHEET (UNIT: '000US\$)																			
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
(Assets)																			
Current Assets	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cash & Deposit	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fixed Assets	0	0	0	0	0	0	0	0	0	83,313	166,625	249,938	333,250	416,563	411,611	406,658	401,706	396,754	391,801
Construction costs	0	0	0	0	0	0	0	0	0	83,313	166,625	249,938	333,250	416,563	416,563	416,563	416,563	416,563	416,563
Accumulated depreciation	0	0	0	0	0	0	0	0	0	0	0	0	0	4,952	9,905	14,857	19,809	24,762	24,762
Net fixed assets	0	0	0	0	0	0	0	0	0	83,313	166,625	249,938	333,250	416,563	411,611	406,658	401,706	396,754	391,801
Total Assets	0	0	0	0	0	0	0	0	0	83,313	166,625	249,938	333,250	416,563	411,611	406,658	401,706	396,754	391,801
(Liabilities and capital)																			
Liabilities	0	0	0	0	0	0	0	0	0	83,313	173,707	271,891	378,643	494,405	504,717	502,324	492,693	478,051	462,311
Current Liabilities (cross subsidy)	0	0	0	0	0	0	0	0	0	0	7,082	21,953	45,393	82,743	102,856	115,165	125,137	134,999	143,763
Fixed Liabilities (Long-term loan)	0	0	0	0	0	0	0	0	0	83,313	166,625	249,938	333,250	411,662	401,861	387,159	367,556	343,052	318,548
Capital	0	0	0	0	0	0	0	0	0	0	-7,082	-21,953	-45,393	-77,842	-93,106	-95,666	-90,987	-81,298	-70,510
Investment in Kind By Gov. Funds	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Net Income After Tax	0	0	0	0	0	0	0	0	0	0	-7,082	-14,871	-23,440	-32,449	-15,264	-2,559	4,679	9,689	10,788
Retained Earnings	0	0	0	0	0	0	0	0	0	0	-7,082	-21,953	-45,393	-77,842	-93,106	-95,666	-90,987	-81,298	-70,510
Total Liabilities and capital	0	0	0	0	0	0	0	0	0	83,313	166,625	249,938	333,250	416,563	411,611	406,658	401,706	396,754	391,801

FINANCIAL INDICATORS																			
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Working Ratio (%)	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	30.6%	23.8%	19.5%	16.9%	16.6%
Operating Ratio (%)	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	40.5%	31.5%	25.8%	22.5%	22.1%
Rate of Return on Net Fixed Assets	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	7.2%	10.8%	14.4%	17.6%	18.2%
Debt Service Coverage Ratio	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	78.7%	102.5%	125.8%	139.0%	147.8%





**TABLE A8.4.2(5) The Financial Statements - from the Point of View of the Private  
Company which Implements BOT**

PROFIT AND LOSS STATEMENT (UNIT: '000 US\$)		2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Operating Revenues		91,481	91,481	91,481	91,481	91,481	91,481	91,481	91,481	91,481	91,481	91,481	91,481	91,481	91,481	91,481	91,481	91,481	91,481	91,481	91,481	91,481	91,481	91,481	91,481	91,481
Operating Cost		20,179	20,179	20,179	20,179	20,179	20,179	20,179	20,179	20,179	20,179	20,179	20,179	20,179	20,179	20,179	20,179	20,179	20,179	20,179	20,179	20,179	20,179	20,179	20,179	20,179
Personnel		4,853	4,853	4,853	4,853	4,853	4,853	4,853	4,853	4,853	4,853	4,853	4,853	4,853	4,853	4,853	4,853	4,853	4,853	4,853	4,853	4,853	4,853	4,853	4,853	4,853
Operations, maintenance & repair		9,403	9,403	9,403	9,403	9,403	9,403	9,403	9,403	9,403	9,403	9,403	9,403	9,403	9,403	9,403	9,403	9,403	9,403	9,403	9,403	9,403	9,403	9,403	9,403	9,403
Administrations		971	971	971	971	971	971	971	971	971	971	971	971	971	971	971	971	971	971	971	971	971	971	971	971	971
Depreciation costs		4,952	4,952	4,952	4,952	4,952	4,952	4,952	4,952	4,952	4,952	4,952	4,952	4,952	4,952	4,952	4,952	4,952	4,952	4,952	4,952	4,952	4,952	4,952	4,952	4,952
Net Operating Income		71,302	71,302	71,302	71,302	71,302	71,302	71,302	71,302	71,302	71,302	71,302	71,302	71,302	71,302	71,302	71,302	71,302	71,302	71,302	71,302	71,302	71,302	71,302	71,302	71,302
Non-operating Revenues		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,885	5,211	8,673	12,279
Interest on deposit		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,885	5,211	8,673	12,279
Non-operating Expenses		39,370	38,114	36,806	35,444	34,026	32,549	31,011	29,410	27,743	26,008	24,200	22,735	21,135	19,397	17,512	15,477	12,868	10,151	7,322	4,376	1,309	0	0	0	0
Interest on long-term loans		24,994	22,911	20,828	18,745	16,663	14,580	12,497	10,414	8,331	6,248	4,166	2,499	1,250	417	0	0	0	0	0	0	0	0	0	0	0
Interest on short-term loans		14,376	15,203	15,978	16,699	17,363	17,969	18,515	18,996	19,412	19,759	20,035	20,235	19,886	18,980	17,512	15,477	12,868	10,151	7,322	4,376	1,309	0	0	0	0
Royalty		7,618	7,618	7,618	7,618	7,618	7,618	7,618	7,618	7,618	7,618	7,618	7,618	7,618	7,618	7,618	7,618	7,618	7,618	7,618	7,618	7,618	7,618	7,618	7,618	7,618
Net Income Before Tax		31,932	33,189	34,497	35,859	37,277	38,753	40,291	41,892	43,559	45,295	47,102	48,568	50,167	51,906	53,790	55,825	58,435	61,152	63,981	66,927	69,994	73,188	76,513	79,976	83,581
Business Turnover Tax		4,574	4,574	4,574	4,574	4,574	4,574	4,574	4,574	4,574	4,574	4,574	4,574	4,574	4,574	4,574	4,574	4,574	4,574	4,574	4,574	4,574	4,574	4,574	4,574	4,574
Income Tax		12,311	12,877	13,465	14,078	14,716	15,381	16,073	16,793	17,543	18,324	19,138	19,797	20,517	21,299	22,147	23,063	24,237	25,460	26,733	28,059	29,439	30,876	32,373	33,931	35,553
Deemed Dividend Tax		3,762	3,935	4,114	4,302	4,497	4,700	4,911	5,131	5,360	5,599	5,848	6,049	6,269	6,508	6,767	7,047	7,406	7,779	8,168	8,573	8,995	9,434	9,892	10,368	10,864
Net Income After Tax		11,285	11,804	12,343	12,905	13,490	14,099	14,733	15,394	16,081	16,797	17,543	18,147	18,807	19,524	20,302	21,141	22,218	23,338	24,505	25,720	26,986	28,303	29,675	31,103	32,591
Retained Earnings		-59,225	-47,421	-35,078	-22,173	-8,683	5,416	20,149	35,543	51,624	68,421	85,964	104,112	122,919	142,443	162,745	183,886	206,103	229,442	253,947	279,667	306,653	334,956	364,631	395,734	428,325

CASH FLOW STATEMENT (Unit: '000US\$)		2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Cash Beginning		-143,763	-152,029	-159,777	-166,985	-173,632	-179,693	-185,145	-189,963	-194,121	-197,591	-200,345	-202,353	-198,857	-189,799	-175,124	-154,771	-128,677	-101,507	-73,217	-43,759	-13,086	18,852	52,107	86,734	122,790
Cash Inflow (excluding G. Funds)		76,255	76,255	76,255	76,255	76,255	76,255	76,255	76,255	76,255	76,255	76,255	76,255	76,255	76,255	76,255	76,255	76,255	76,255	76,255	76,255	76,255	76,255	76,255	76,255	76,255
Net operating income		71,302	71,302	71,302	71,302	71,302	71,302	71,302	71,302	71,302	71,302	71,302	71,302	71,302	71,302	71,302	71,302	71,302	71,302	71,302	71,302	71,302	71,302	71,302	71,302	71,302
Depreciation costs		4,952	4,952	4,952	4,952	4,952	4,952	4,952	4,952	4,952	4,952	4,952	4,952	4,952	4,952	4,952	4,952	4,952	4,952	4,952	4,952	4,952	4,952	4,952	4,952	4,952
Long-term loans		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Interest on deposits		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,885	5,211	8,673	12,279
Cash Outflow (excluding G. Funds)		84,521	84,003	83,463	82,901	82,316	81,707	81,073	80,413	79,725	79,009	78,263	77,558	76,798	76,025	75,190	74,294	73,338	72,322	71,245	70,107	68,918	67,678	66,388	65,048	63,658
Investment		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Repayment for long-term loans		24,504	24,504	24,504	24,504	24,504	24,504	24,504	24,504	24,504	24,504	24,504	24,504	24,504	24,504	24,504	24,504	24,504	24,504	24,504	24,504	24,504	24,504	24,504	24,504	24,504
Interest on long-term loans		24,994	22,911	20,828	18,745	16,663	14,580	12,497	10,414	8,331	6,248	4,166	2,499	1,250	417	0	0	0	0	0	0	0	0	0	0	0
Business Turnover Tax		4,574	4,574	4,574	4,574	4,574	4,574	4,574	4,574	4,574	4,574	4,574	4,574	4,574	4,574	4,574	4,574	4,574	4,574	4,574	4,574	4,574	4,574	4,574	4,574	4,574
Income Tax		12,311	12,877	13,465	14,078	14,716	15,381	16,073	16,793	17,543	18,324	19,138	19,797	20,517	21,299	22,147	23,063	24,237	25,460	26,733	28,059	29,439	30,876	32,373	33,931	35,553
Deemed Dividend Tax		3,762	3,935	4,114	4,302	4,497	4,700	4,911	5,131	5,360	5,599	5,848	6,049	6,269	6,508	6,767	7,047	7,406	7,779	8,168	8,573	8,995	9,434	9,892	10,368	10,864
Interest on short-term loans		14,376	15,203	15,978	16,699	17,363	17,969	18,515	18,996	19,412	19,759	20,035	20,235	19,886	18,980	17,512	15,477	12,868	10,151	7,322	4,376	1,309	0	0	0	0
Cash Inflow - Cash Outflow		-8,266	-7,748	-7,208	-6,646	-6,061	-5,452	-4,818	-4,158	-3,470	-2,754	-2,008	-1,253	-572	907	1,665	2,371	3,017	3,603	4,129	4,595	4,911	5,077	5,103	5,039	4,881
Cash Ending		-152,029	-159,777	-166,985	-173,632	-179,693	-185,145	-189,963	-194,121	-197,591	-200,345	-202,353	-198,857	-189,799	-175,124	-154,771	-128,677	-101,507	-73,217	-43,759	-13,086	18,852	52,107	86,734	122,790	160,333
Cash excess		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18,852	52,107	86,734	122,790	160,333
Cash shortage		-152,029	-159,777	-166,985	-173,632	-179,693	-185,145	-189,963	-194,121	-197,591	-200,345	-202,353	-198,857	-189,799	-175,124	-154,771	-128,677	-101,507	-73,217	-43,759	-13,086	0	0	0	0	0

BALANCE SHEET (UNIT: '000US\$)		2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
(Assets)																										
Current Assets		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18,852	52,107	86,734	122,790	160,333
Cash & Deposit		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18,852	52,107	86,734	122,790	160,333
Fixed Assets		386,849	381,896	376,944	371,992	367,039	362,087	357,135	352,182	347,230	342,278	337,325	332,373	327,420	322,468	317,516	312,563	307,611	302,659	297,706	292,754	287,801	282,849	277,897	272,944	267,992
Construction costs		416,563	416,563	416,563	416,563	416,563	416,563	416,563	416,563	416,563	416,563	416,563	416,563	416,563	416,563	416,563	416,563	416,563	416,563	416,563	416,563	416,563	416,563	416,563	416,563	416,563
Accumulated depreciation		29,714	34,667	39,619	44,571	49,524	54,476	59,428	64,381	69,333	74,286	79,238	84,190	89,143	94,095	99,047	104,000	108,952	113,905	118,857	123,809	128,762	133,714	138,666	143,619	148,571
Net fixed assets		386,849	381,896	376,944	371,992	367,039	362,087	357,135	352,182	347,230	342,278	337,325	332,373	327,420	322,468	317,516	312,563	307,611	302,659	297,706	292,754	287,801	282,849	277,897		

