

Appendix 9.7 COMPARISON FOR FLEXIBLE AND RIGID PAVEMENT

The cost for flexible and rigid pavement is compared by using the unit cost estimated in the Project. Import duty is excluded from the unit cost. The comparison was made for the Phase-1 construction.

Flexible Pavement

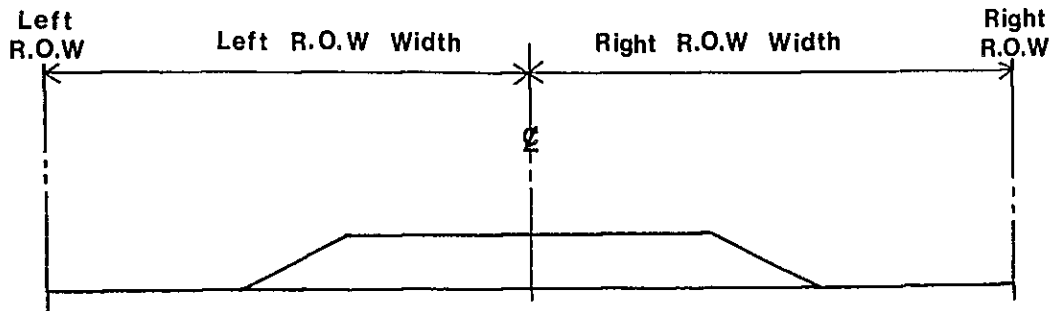
	<u>Quantity</u>	<u>Unit Cost</u>	<u>Amount (Rp.)</u>
As. Base Course (t = 5 cm)	0.102 t	26,681	2,721
As. Treated Base Course (t = 25 cm)	0.525 t	18,666	9,800
Ssandy Gravel Base Course (t = 25 cm)	0.25 M ³	8,541	2,135
Total:			14,656 Rp.

Rigid Pavement

Cement Concrete Slab (t = 25 cm)	1 M ²	13,315	13,315 M ²
Sandy Gravel Base Course	0.2 M ³	8,541	1,708
Total:			15,023 Rp.

Appendix 9.8 PRELIMINARY RIGHT-OF-WAY WIDTH

The preliminary right-of-way width was made by the station of 500 m pitches plus additional stations along the alignment of Harbour Road and Tg. Priok Access.



1. Harbour Road

Left R.O.W. Width(M)	Station	Right R.O.W. Width(M)	Left R.O.W. Width(M)	Station	Right R.O.W. Width (M)
34	14+600	34	50	23+0	50
32	15+00	32	35	+500	25
26	+500	26	37	24+0	37
30	16+0	37	29	+500	33
25	+500	25	38	25+0	41
42	17+0	25	33	+500	40
Ancol Canal	+500	Ancol Canal		Tg. Priok JC/IC	
27	19+300	40	36	27+0	42
	Ancol IC.		39	+500	45
25	20+0	25	30	28+0	30
26	+500	38	32	+500	35
26	21+0	37	36	29+0	35
45	+500	55	37	+500	37
20	22+0	34	28	30+0	29
22	+500	38	51	+500	36
				Cilincing JC/IC	

2. Tg. Priok Access

Left R.O.W. Width(M)	Station	Right R.O.W. Width(M)
32	0-450	32
	Tg. Priok JC/IC	
28.5	1+00	28.5
28.5	+800	28.5
35	2+0	35
34	+500	34
22	3+0	17

Appendix 9.9 ALTERNATIVE R.O.W. PLAN OF DKI JAKARTA

The tentative right-of-way plan was presented by DKI Jakarta. The study was therefore conducted to the extent on promoting traffic efficiency and service based on the right-of-way conditions shown on the DKI plan.

1. Principles of DKI Jakarta R.O.W. Plan

The DKI R.O.W. plan was made for the section between Kota and Cilincing. The alignment of the plan is the same as the alignment established in the Project except Ancol-Sunter area. The following is the principles of the plan.

- Frontage roads (so called arterial street) located on both sides of Harbour Road;
- Two interchanges with the arterial streets of Harbour Road and access to Ancol area;
One located in Kemayoran Airport and the other connected Sunter with Jakarta Fair.
- A interchange between Jl. Melati and arterial street of Harbour Road; and
- Jl. Trobosan Gunung Sahari - Martadinata connected to the arterial street of Harbour Road, but not connected to Jl. Martadirata.

2. Studied Plan

The interchanges in DKI plan lacks some access ramps of Sunter IC and Jl. Trobosan Gunung Sahari - Martadinata IC. (T.G.S.M.I.C.). These are listed below.

- Sunter IC. - East/West bound ramps from Sunter/Jakarta Fair.
- T.G.S.M.I.C. - West bound ramp from Jl. Gunung Sahari Ancol.

In order to attain full service the interchange type was revised base on the future traffic predicted in the Project as shown in Drawing attached on the back of this APPENDIX. The intersections at-grade was analized in Figs. 9.20 and 9.21.

The construction cost will not be big difference between this studied plan and the Project plan. The plan will be reviewed in the detailed design through discussion with relevant agencies.

Fig. 9.20 Sunter Interchange Ramp Intersection

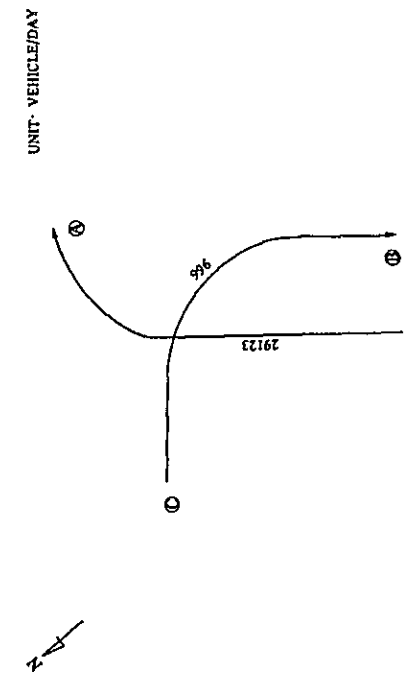
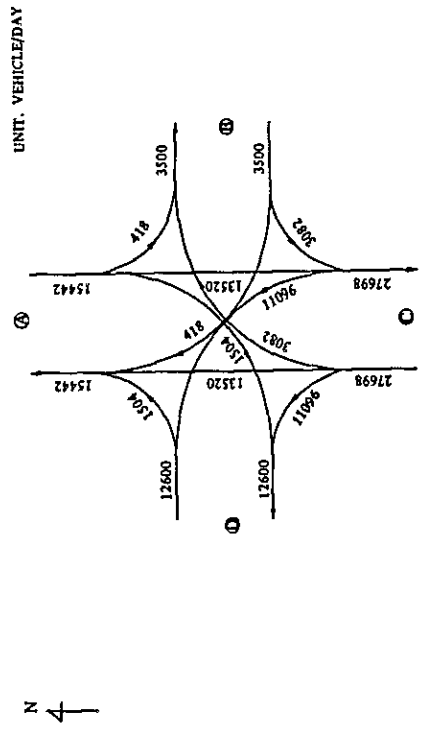
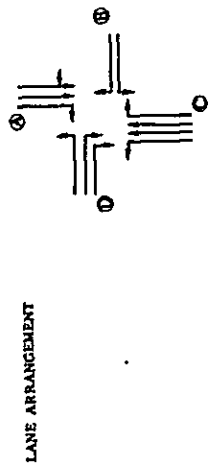


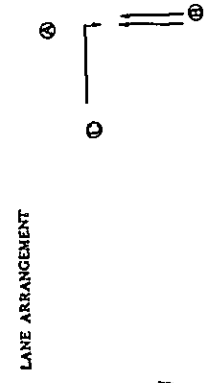
Fig. 9.21 Jl. Trobosan Gunung Sahari - Martadinata Ramp Intersection

Traffic Phase	Traffic Volume Q (VEH/HR)	Possible Capacity S (VEH/HR)	Integrated Congestion Ratio P=Q/S	Phase Time (SEC)
1	Q _{ASL} = 1355 Q _{CS} = 1217 Q _{CL} = 999	S _{ASL} = 2 x 2000 = 4000 S _{CS} = 2 x 2000 = 4000 S _{CL} = 1 x 1800 = 1800	P _{ASL} = 0.319* P _{CS} = 0.304 P _{CL} = 0.555	18 + 3
2	Q _{AR} = 135 Q _{CR} = 277 Q _{CL} = 999	S _{AR} = 1 x 1800 = 1800 S _{CR} = 1 x 1800 = 1800 S _{CL} = 1 x 1800 = 1800	P _{AR} = 0.075 P _{CR} = 0.154 P _{CL} = 0.555 (0.2316*)	29 + 3
3	Q _{BR} = 38 Q _{BL} = 277 Q _{DR} = 999 Q _{DL} = 135	S _{BR} = 1 x 1800 = 1800 S _{BL} = 1 x 1800 = 1800 S _{DR} = 2 x 1800 = 3600 S _{DL} = 1 x 1800 = 1800	P _{BR} = 0.021 P _{BL} = 0.154 P _{DR} = 0.278* P _{DL} = 0.075	34 + 3
4				
TOTAL			0.833	110



LANE ARRANGEMENT

Traffic Phase	Traffic Volume Q (VEH/HR)	Possible Capacity S (VEH/HR)	Integrated Congestion Ratio P=Q/S	Phase Time (SEC)
1	Q _{BS} = 2621	S _{BS} = 2 x 2000 = 4000	P _{BS} = 0.655*	50 + 3
2	Q _{CR} = 90	S _{CR} = 1 x 1800 = 1800	P _{CR} = 0.050*	4 + 3
3				
4				
TOTAL			0.705	60



LANE ARRANGEMENT

Appendix 10.1 Major Materials Required for Phase-I Construction

Materials	Sand	Gravel	Cobble	Crushed Stone	Embankment Borrow	Cement	Asphalt	Reinforcing Bar	Structural Steel	P.C. Steel
Section	M ³	M ³	M ³	M ³	M ³	TON	TON	TON	TON	TON
SECTION I	135,072	15,228	126	15,519	313,790	5,527	819	3,838	601	114
SECTION II	117,566	80,977	5	6,051	118,910	30,979	13,422	16,062	19,133	303
SECTION III	674,556	47,642	127	37,847	1,230,700	18,127	8,397	5,049	925	200
SECTION IV	627,665	97,522	810	73,103	1,473,020	37,850	17,961	11,824	4,344	341
TOTAL	1,554,859	241,369	1,068	132,520	3,136,420	92,483	40,599	36,773	25,003	958

**Appendix 10.2 PROJECT COST OF CONSTRUCTION SEGMENTS
(IN DEC. 1980 PRICES)**

Construction segments and sections are shown in Fig. 11.1 of the Main Report. The breakdown of 20 construction segments were calculated by using a computer and shown for Case-1 as follows.

PROJECT COST LIST

PAGE # 2

CASE# 11-SEGMENT NO. 1		UNIT# 1000RP									
DESCRIPTION	QUANTITY	(1) P.C	(2) L.C	SUBTOTAL (1)+(2)	(3) TAX	(4) PPH	(5) IMPORT DUTY	(6) SUBSIDY	(7) LOCAL (2)+(4)+(5)	(8) TOTAL (1)+(7)	
WDRP ITEM 1	0	43031	23316	66347	4262	3178	3927	951	16703	77256	
WCPA ITEM 2	0	164133	101383	265517	16987	12712	15750	3804	140011	310945	
SUB TOTAL		205167	124729	331896	21209	15890	19687	4755	183514	388681	
WDRP ITEM 3	353A0	1988	1168	3136	10	142	334	127	1633	5621	
WDRP ITEM 4	0	0	0	0	0	0	0	0	0	0	
WDRP ITEM 5	0	0	0	0	0	0	0	0	0	0	
WDRP ITEM 6	0	0	0	0	0	0	0	0	0	0	
WDRP ITEM 7	0	185	103	291	1	13	0	18	117	306	
WDRP ITEM 8	0	0	0	0	0	0	0	0	0	0	
WDRP ITEM 9	132608	165421	86594	252017	17738	11959	20044	6193	133537	297558	
WDRP ITEM 10	24930	320192	172234	497433	1806	22466	10927	25916	217621	532619	
WDRP ITEM 11	0	0	0	0	0	0	0	0	0	0	
WDRP ITEM 12	16213	10117	5545	15662	49	707	1200	715	7500	17617	
WDRP ITEM 13	45470	189354	86209	273565	50053	14563	2544	954	151308	340724	
SUB TOTAL		687249	354854	1042103	65655	49849	35038	33922	505396	1192643	
WDRP ITEM 14	0	0	0	0	0	0	0	0	0	0	
WDRP ITEM 15	0	0	0	0	0	0	0	0	0	0	
WDRP ITEM 16	0	0	0	0	0	0	0	0	0	0	
WDRP ITEM 17	0	0	0	0	0	0	0	0	0	0	
WDRP ITEM 18	0	0	0	0	0	0	0	0	0	0	
WDRP ITEM 19	0	0	0	0	0	0	0	0	0	0	
WDRP ITEM 20	0	0	0	0	0	0	0	0	0	0	
WDRP ITEM 21	186	1412	4837	6969	1061	320	47	5	8065	7477	
WDRP ITEM 22	1861	4015	11521	155367	25901	8157	1786	207	151035	191186	
WDRP ITEM 23	0	0	0	0	0	0	0	0	0	0	
WDRP ITEM 24	19	429	1462	1871	320	99	12	1	1873	2302	
WDRP ITEM 25	0	0	0	0	0	0	0	0	0	0	
SUB TOTAL		41992	121310	163302	27263	8575	1825	213	158973	200965	
WDRP ITEM 26	36537	4384	3637	8002	26	361	804	256	6808	9192	
WDRP ITEM 27	9306	48763	30496	79259	223	3577	1759	2987	34035	84818	
WDRP ITEM 28	22188	206327	171878	380134	3322	18616	14198	17582	232924	446501	
WDRP ITEM 29	4334	78564	51852	130116	11900	8404	3227	3792	75386	153948	
WDRP ITEM 30	1412	7009	2837	16904	1895	846	693	93	11331	20340	
WDRP ITEM 31	37495	3656	4448	8106	565	390	792	38	6195	9832	
WDRP ITEM 32	0	0	0	0	0	0	0	0	0	0	
WDRP ITEM 33	0	0	0	0	0	0	0	0	0	0	
SUB TOTAL		348956	274188	623143	47861	30194	23473	24647	375096	724651	
WDRP ITEM 34	0	1092141	696717	1788858	91137	84600	82183	4328	954637	2646778	

PROJECT COST LIST

PAGE # 3

CASE# 11-SEGMENT NO. 1		UNIT# 1000RP									
DESCRIPTION	QUANTITY	(1) P.C	(2) L.C	SUBTOTAL (1)+(2)	(3) TAX	(4) PPH	(5) IMPORT DUTY	(6) SUBSIDY	(7) LOCAL (2)+(4)+(5)	(8) TOTAL (1)+(7)	
WDRP ITEM 35	0	0	0	0	0	0	0	0	0	0	
WDRP ITEM 36	0	0	0	0	0	0	0	0	0	0	
SUB TOTAL		1092141	696717	1788858	91137	84600	82183	4328	954637	2646778	
WDRP ITEM 37	0	0	0	0	0	0	0	0	0	0	
WDRP ITEM 38	2473	5531	15837	19339	1328	939	14	45	14207	21819	
WDRP ITEM 39	19170	310	1685	1995	36	92	0	39	1215	2126	
WDRP ITEM 40	400	5723	1734	6957	302	327	1452	4	1915	9057	
WDRP ITEM 41	1861	17691	1433	19174	43	864	3346	17	5754	23449	
WDRP ITEM 42	1722	2885	6112	9097	1489	476	112	11	1189	11174	
WDRP ITEM 43	1540	5282	834	13425	2236	714	205	21	11403	16774	
WDRP ITEM 44	9	26	587	623	119	31	1	1	254	779	
WDRP ITEM 45	9	69	10341	10430	2049	582	2	1	14994	13064	
WDRP ITEM 46	0	0	0	0	0	0	0	0	0	0	
WDRP ITEM 47	1930	247	985	1150	140	59	91	12	1213	1460	
WDRP ITEM 48	58	37034	30809	107843	9136	5204	11324	2	76536	133571	
WDRP ITEM 49	11	82499	19581	102080	1848	4767	16926	0	45116	122618	
WDRP ITEM 50	4	390116	125238	515353	29961	24343	86592	55	266187	656503	
WDRP ITEM 51	0	0	0	0	0	0	0	0	0	0	
WDRP ITEM 52	0	0	0	0	0	0	0	0	0	0	
SUB TOTAL		565216	242654	807870	50845	38844	119973	288	657157	1017172	
SUB-TOTAL		2940720	1816452	4757172	303989	227752	262179	68153	2650377	5571092	
OVERHEAD AND PROFIT		753180	454113	1189293	75997	56938	70343	17038	657593	1392773	
T O T A L		3673900	2270565	5946465	379986	284690	352723	85191	3287965	6963865	
FINAL ENGINEERING		167036	90823	237859	15199	11388	14709	3468	73519	278557	
SUPERVISORIAL		220554	136234	356788	22799	17081	21163	5171	197278	417832	
LAND ACQUISITION		0	2050050	2050050	0	0	0	0	2050050	2050050	
COMPENSATION		0	721500	721500	0	0	0	0	721500	721500	
PHYSICAL CONTINGENCY		551385	756317	1307702	56998	61612	52908	12779	927635	1479902	
TOTAL PROJECT COST		4594876	4025489	10620364	474983	374571	440904	106489	7315916	11910822	

PROJECT COST LIST

CASE# 11-SEGMENT NO. 2

UNIT# 1000RP

DESCRIPTION	QUANTITY	(1) F.C.	(2) L.C.	SUBTOTAL (1)+(2)	(3) TAX	(4) PPN	(5) IMPORT DUTY	(6) SUBSIDY	(7)LECTAL (2)+(4)+(5)	(8) TOTAL (1)+(2)
WDR ITEM 1	0.	32133.	26615.	58747.	4347.	2830.	2199.	1670.	35791.	67923.
WDR ITEM 2	0.	128531.	165659.	234190.	17384.	11321.	8797.	5879.	141103.	271691.
SUB TOTAL		160664.	137074.	292737.	21731.	14151.	10996.	7348.	174933.	339617.
WDR ITEM 3	0.56A.	545.	315.	899.	3.	41.	90.	36.	474.	1039.
WDR ITEM 4	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WDR ITEM 5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WDR ITEM 6	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WDR ITEM 7	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WDR ITEM 8	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WDR ITEM 9	10AAA3.	276064.	123565.	359609.	19603.	17065.	28002.	8758.	389835.	426478.
WDR ITEM 10	2L86L6.	703723.	382546.	1,093,116.	3944.	49378.	43998.	56981.	4,04882.	1,170,632.
WDR ITEM 11	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WDR ITEM 12	5594.	3691.	1913.	5604.	17.	244.	414.	246.	2588.	6074.
WDR ITEM 13	21100.	96304.	42827.	139131.	25456.	7400.	1294.	685.	74984.	173288.
SUB TOTAL		1040177.	558196.	1,598,359.	49043.	76133.	54399.	66566.	735762.	1,775,934.
WDR ITEM 14	4119.	90045.	239493.	325529.	59201.	17268.	1609.	325.	312561.	402407.
WDR ITEM 15	P2.	2445.	5634.	8080.	1439.	428.	46.	10.	7541.	9987.
WDR ITEM 16	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WDR ITEM 17	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WDR ITEM 18	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WDR ITEM 19	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WDR ITEM 20	48.	44654.	149950.	194604.	3404.	10291.	1147.	124.	195472.	240130.
WDR ITEM 21	82.	623.	7053.	2676.	459.	141.	21.	2.	7074.	3296.
WDR ITEM 22	1359.	29321.	84133.	113453.	14915.	3957.	1290.	151.	110294.	139614.
WDR ITEM 23	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WDR ITEM 24	28.	432.	2125.	2758.	472.	145.	17.	2.	2760.	3392.
WDR ITEM 25	16.	789.	2625.	3264.	548.	122.	25.	3.	3218.	4088.
SUB TOTAL		168514.	481853.	650367.	114117.	34402.	3947.	617.	634320.	802834.
WDR ITEM 26	24452.	2934.	2621.	5355.	17.	242.	538.	171.	3218.	6182.
WDR ITEM 27	12493.	44997.	40645.	105636.	298.	4767.	2344.	391.	48084.	113089.
WDR ITEM 28	45716.	23967.	201562.	441029.	38521.	21580.	16438.	20264.	278128.	517500.
WDR ITEM 29	5377.	79198.	57270.	131468.	11996.	6456.	5266.	323.	75991.	155189.
WDR ITEM 30	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WDR ITEM 31	27414.	2174.	7645.	4819.	330.	232.	471.	22.	3084.	5854.
WDR ITEM 32	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WDR ITEM 33	1912.	610.	653.	1264.	78.	60.	100.	12.	898.	1504.
SUB TOTAL		389376.	300195.	689571.	51248.	33337.	25186.	28274.	409966.	799342.
WDR ITEM 34	0.	302359.	249810.	552177.	43774.	26818.	12147.	2151.	332557.	634916.

PROJECT COST LIST

CASE# 11-SEGMENT NO. 2

UNIT# 1000RP

DESCRIPTION	QUANTITY	(1) F.C.	(2) L.C.	SUBTOTAL (1)+(2)	(3) TAX	(4) PPN	(5) IMPORT DUTY	(6) SUBSIDY	(7)LECTAL (2)+(4)+(5)	(8) TOTAL (1)+(2)
WDR ITEM 35	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WDR ITEM 36	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SUB TOTAL		302359.	249810.	552177.	43774.	26818.	12147.	2151.	332557.	634916.
WDR ITEM 37	595.	4811.	5179.	9990.	1342.	510.	449.	70.	7488.	12292.
WDR ITEM 38	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WDR ITEM 39	40888.	434.	1877.	2311.	42.	99.	0.	42.	1951.	2294.
WDR ITEM 40	4838.	63164.	25964.	84104.	3056.	3949.	17550.	53.	49119.	109261.
WDR ITEM 41	2717.	25829.	2169.	27993.	92.	1264.	4045.	141.	4907.	3423.
WDR ITEM 42	5434.	435.	8923.	13281.	2174.	695.	143.	14.	11958.	16313.
WDR ITEM 43	2740.	4198.	6575.	10423.	1759.	556.	166.	17.	4967.	13078.
WDR ITEM 44	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WDR ITEM 45	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WDR ITEM 46	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WDR ITEM 47	1976.	509.	1801.	2377.	330.	121.	187.	24.	2499.	3004.
WDR ITEM 48	141.	138652.	123517.	242170.	22211.	12797.	27537.	0.	184602.	324715.
WDR ITEM 49	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WDR ITEM 50	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WDR ITEM 51	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WDR ITEM 52	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SUB TOTAL		241754.	170931.	412685.	31586.	19992.	50931.	168.	273641.	513195.
SUB-TOTAL		2302834.	1891058.	4193896.	311501.	202833.	157677.	105325.	2563700.	4867834.
OVERHEAD AND PROFIT		575719.	473245.	1048974.	77875.	50708.	39402.	2633.	643250.	1216959.
TOTAL		2878549.	2364323.	5244870.	389377.	253541.	197009.	131656.	3204250.	6084797.
FINAL INCREMENTAL		115147.	94653.	209795.	15575.	10142.	7880.	3766.	128291.	243392.
SUPERVISION		172715.	141979.	314692.	21363.	15212.	11821.	7899.	192375.	363088.
LAND ACQUISITION		0.	2074000.	2074000.	0.	0.	0.	0.	2074000.	2074000.
COMPENSATION		0.	1024000.	1024000.	0.	0.	0.	0.	1024000.	1024000.
PHYSICAL CONTINGENCY		431782.	829548.	1252331.	58407.	58983.	29551.	19748.	987489.	1399272.
TOTAL PROJECT COST		3598185.	6527503.	10125688.	486721.	337878.	246261.	166570.	7594364.	11196549.

PROJECT COST LIST

PAGE # 6

CASE# 11-SEGMENT NO. 3		UNIT 1000RP									
DESCRIPTION	QUANTITY	(1) F.C	(2) L.C	SUBTOTAL (1)+(2)	(3) TAX	(4) PPN	(5) IMPORT DUTY	(6) SUBSIDY	(7) LC TOTAL (2)+(4)+(5)	(8) TOTAL (1)+(7)	
WORK ITEM 1	0.	6056.	5913.	12009.	1164.	593.	811.	141.	9481.	15577.	
WORK ITEM 2	0.	24384.	23652.	48037.	4655.	2371.	3246.	562.	33925.	58309.	
SUB TOTAL		30440.	29565.	60046.	5819.	2964.	4057.	703.	62406.	72886.	
WORK ITEM 3	4982.	294.	174.	468.	1.	21.	50.	19.	247.	541.	
WORK ITEM 4	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 6	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 7	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 8	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 9	21084.	30972.	16214.	47186.	2572.	2239.	3755.	1160.	24776.	55750.	
WORK ITEM 10	10209.	34535.	19000.	33195.	194.	2418.	1174.	2782.	23844.	52279.	
WORK ITEM 11	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 12	1645.	1026.	563.	1589.	5.	72.	122.	72.	761.	1787.	
WORK ITEM 13	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
SUB TOTAL		66724.	36011.	102739.	2773.	4748.	5099.	4034.	44630.	115358.	
WORK ITEM 14	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 15	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 16	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 17	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 18	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 19	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 20	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 21	41.	311.	1027.	1338.	229.	719.	10.	1.	1337.	1644.	
WORK ITEM 22	535.	11541.	33121.	44663.	7446.	2345.	508.	59.	47420.	54962.	
WORK ITEM 23	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 24	6.	134.	455.	591.	101.	31.	4.	0.	591.	727.	
WORK ITEM 25	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
SUB TOTAL		11989.	34603.	46592.	7777.	2447.	522.	61.	45348.	57337.	
WORK ITEM 26	2434.	292.	241.	533.	2.	24.	54.	17.	320.	612.	
WORK ITEM 27	1699.	8903.	3568.	14470.	41.	653.	321.	345.	6583.	15485.	
WORK ITEM 28	4284.	44542.	32513.	82055.	2160.	4010.	3083.	3221.	21741.	94329.	
WORK ITEM 29	841.	12387.	8175.	20562.	1874.	1010.	824.	598.	11086.	24273.	
WORK ITEM 30	572.	2839.	4009.	6849.	748.	343.	281.	38.	9400.	8240.	
WORK ITEM 31	7151.	694.	844.	1537.	107.	74.	150.	7.	1175.	1869.	
WORK ITEM 32	2309.	224.	279.	503.	35.	24.	48.	2.	387.	611.	
WORK ITEM 33	1597.	749.	267.	316.	32.	25.	43.	5.	360.	614.	
SUB TOTAL		70155.	56896.	127051.	10030.	6149.	4785.	4984.	77878.	146034.	
WORK ITEM 34	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	

PROJECT COST LIST

PAGE # 7

CASE# 11-SEGMENT NO. 3		UNIT 1000RP									
DESCRIPTION	QUANTITY	(1) F.C	(2) L.C	SUBTOTAL (1)+(2)	(3) TAX	(4) PPN	(5) IMPORT DUTY	(6) SUBSIDY	(7) LC TOTAL (2)+(4)+(5)	(8) TOTAL (1)+(7)	
WORK ITEM 35	140.	84467.	179143.	263610.	32127.	12633.	3556.	74.	232456.	296921.	
WORK ITEM 36	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
SUB TOTAL		84467.	179143.	263610.	32127.	12633.	3556.	74.	232456.	296921.	
WORK ITEM 37	1360.	12957.	13947.	26904.	3615.	1373.	1210.	1.	27655.	33109.	
WORK ITEM 38	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 39	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 40	100.	1306.	474.	1780.	76.	87.	363.	1.	954.	2259.	
WORK ITEM 41	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 42	1070.	858.	1757.	2615.	428.	137.	32.	3.	2354.	3217.	
WORK ITEM 43	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 44	5.	13.	332.	345.	50.	19.	0.	1.	417.	433.	
WORK ITEM 45	4.	31.	4605.	4636.	970.	250.	0.	1.	5775.	5804.	
WORK ITEM 46	1.	13.	1553.	1566.	326.	94.	0.	1.	2174.	2187.	
WORK ITEM 47	0.	0.	291.	291.	52.	19.	0.	0.	309.	470.	
WORK ITEM 48	18.	17707.	15768.	33475.	2875.	1434.	3515.	1.	23753.	41454.	
WORK ITEM 49	4.	30009.	7121.	37130.	1395.	1733.	6154.	0.	14407.	46407.	
WORK ITEM 50	2.	130103.	61248.	171351.	9267.	8182.	28838.	1.	87729.	218834.	
WORK ITEM 51	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 52	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
SUB TOTAL		193905.	87553.	281458.	19683.	13523.	60140.	216.	161099.	354163.	
SUB-TOTAL		436884.	429770.	866654.	83408.	42483.	58150.	11077.	607944.	1044701.	
OVERHEAD AND PROFIT		109221.	105942.	215163.	20852.	10621.	14539.	2519.	151954.	261175.	
TOTAL		546105.	529712.	1075817.	104260.	53103.	72689.	12596.	759771.	1305876.	
FINAL ENGINEERING		21844.	21188.	43033.	4170.	2124.	2908.	54.	30394.	52235.	
SUPERVISION		32766.	31783.	64549.	6256.	3186.	4362.	754.	45504.	78353.	
LAND ACQUISITION		0.	360050.	360050.	0.	0.	0.	0.	167050.	360050.	
COMPENSATION		0.	255500.	255500.	0.	0.	0.	0.	255500.	255500.	
PHYSICAL CONTINGENCY		81916.	171789.	253705.	15639.	12120.	10904.	1889.	213453.	292369.	
TOTAL PROJECT COST		682632.	1370023.	2052654.	130325.	70534.	90868.	15745.	1661751.	2344382.	

PROJECT COST LIST

PAGE = 4

CASE/ SEGMENT NO. 4		UNITS 1000P									
DESCRIPTION	QUANTITY	(1) F.C	(2) L.C	SUBTOTAL (1)+(2)	(3) TAX	(4) PPN	(5) IMPORT DUTY	(6) SUBSIDY	(7) LCTOTAL (2)+(3)+(5)	(8) TOTAL (1)+(7)	
WORK ITEM 1	0.	45849.	40520.	126369.	4972.	8001.	4253.	1027.	14046.	143915.	
WORK ITEM 2	0.	343477.	162080.	505556.	27887.	24005.	18210.	4109.	232183.	573640.	
SUB TOTAL		429347.	202600.	631947.	34859.	30006.	22763.	5136.	290228.	719975.	
WORK ITEM 3	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 4	0.	33.	270.	303.	0.	2.	18.	0.	280.	312.	
WORK ITEM 5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 6	1.	38165.	26716.	64881.	7633.	3263.	0.	0.	37612.	75777.	
WORK ITEM 7	4.	151.	82.	233.	1.	11.	0.	15.	94.	245.	
WORK ITEM 8	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 9	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 10	2431.	8200.	4539.	12739.	66.	575.	280.	666.	3440.	13640.	
WORK ITEM 11	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 12	8011.	4998.	2740.	7737.	24.	349.	593.	352.	1706.	8705.	
WORK ITEM 13	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
SUB TOTAL		51948.	34346.	85894.	7706.	4212.	877.	1034.	67137.	98684.	
WORK ITEM 14	1240.	27108.	70891.	97999.	17521.	5198.	424.	98.	94034.	121142.	
WORK ITEM 15	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 16	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 17	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 18	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 19	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 20	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 21	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 22	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 23	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 24	12.	271.	911.	1182.	202.	62.	7.	1.	1183.	1454.	
WORK ITEM 25	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
SUB TOTAL		27379.	71802.	99180.	17523.	5261.	431.	99.	95217.	123298.	
WORK ITEM 26	10416.	1250.	1031.	2281.	7.	103.	229.	73.	1371.	2621.	
WORK ITEM 27	2396.	12545.	7843.	20390.	57.	920.	482.	769.	9275.	21820.	
WORK ITEM 28	5527.	5147.	43321.	94788.	8279.	4638.	3337.	4355.	50725.	113243.	
WORK ITEM 29	1370.	20179.	13318.	33497.	3056.	1645.	1343.	974.	19366.	39540.	
WORK ITEM 30	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 31	8060.	782.	951.	1733.	121.	83.	169.	8.	1325.	2104.	
WORK ITEM 32	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 33	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
SUB TOTAL		86222.	64464.	152686.	11322.	7389.	5731.	6179.	91108.	177330.	
WORK ITEM 34	0.	5479802.	2465569.	7945371.	416359.	376278.	281030.	61083.	3539236.	9019038.	

PROJECT COST LIST

PAGE = 9

CASE/ SEGMENT NO. 4		UNITS 1000P									
DESCRIPTION	QUANTITY	(1) F.C	(2) L.C	SUBTOTAL (1)+(2)	(3) TAX	(4) PPN	(5) IMPORT DUTY	(6) SUBSIDY	(7) LCTOTAL (2)+(3)+(5)	(8) TOTAL (1)+(7)	
WORK ITEM 35	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 36	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
SUB TOTAL		5479802.	2465569.	7945371.	416359.	376278.	281030.	61083.	3539236.	9019038.	
WORK ITEM 37	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 38	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 39	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 40	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 41	1240.	11787.	918.	12705.	42.	577.	2230.	64.	3637.	15626.	
WORK ITEM 42	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 43	1240.	14570.	2423.	4773.	791.	250.	72.	7.	4022.	5876.	
WORK ITEM 44	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 45	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 46	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 47	1178.	151.	551.	702.	98.	36.	55.	7.	740.	891.	
WORK ITEM 48	67.	65884.	58693.	124577.	10554.	6081.	13045.	3.	20433.	154297.	
WORK ITEM 49	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 50	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 51	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 52	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
SUB TOTAL		79673.	63195.	142828.	11475.	6944.	15442.	72.	97017.	176688.	
SUB-TOTAL		1533970.	2903938.	9057908.	499645.	430390.	326269.	73674.	4159941.	10313912.	
OVERHEAD AND PROFIT		1538493.	725984.	2264477.	124911.	107522.	81567.	18464.	1039985.	2578674.	
TOTAL		7692463.	3629922.	11322385.	624556.	537612.	407837.	92018.	5199927.	12892390.	
FINAL ENGINEERING		307499.	145197.	452695.	24922.	21504.	16313.	3681.	207997.	515696.	
SUPERVISIN		461564.	217795.	679359.	37473.	32257.	26470.	5921.	311906.	773543.	
LAND ACQUISITION		0.	1162000.	1162000.	0.	0.	0.	0.	1162000.	1162000.	
COMPENSATION		0.	175030.	175030.	0.	0.	0.	0.	175030.	175030.	
PHYSICAL CONTINGENCY		1133869.	766038.	1919908.	93683.	90612.	61170.	13863.	1011500.	2165378.	
TOTAL PROJECT COST		9615579.	6235953.	15851531.	740495.	681985.	509790.	115022.	8204628.	17824007.	

PROJECT COST LIST

PAGE = 10

CASE (1)-SEGMENT NO. 5		UNIT 1000RP									
DESCRIPTION	QUANTITY	(1) F.C	(2) L.C	SUBTOTAL (1)+(2)	(3) TAX	(4) PPN	(5) IMPDPT DUTY	(6) SUBSIDY	(7) LCTOTAL (2)+(3)+(4)+(5)	(8) TOTAL (1)+(7)	
WORK ITEM 1	0.	18076.	9453.	28119.	1673.	1361.	1898.	498.	15355.	43017.	
WORK ITEM 2	0.	74703.	37772.	112475.	4694.	5363.	7590.	2797.	57419.	132122.	
SLB TOTAL		93179.	47215.	140594.	4367.	6701.	9488.	3490.	71776.	165152.	
WORK ITEM 3	4332.	256.	152.	407.	1.	14.	43.	16.	215.	474.	
WORK ITEM 4	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 6	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 7	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 8	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 9	8678.	12744.	4673.	15421.	1059.	927.	1545.	477.	17192.	22964.	
WORK ITEM 10	13366.	43016.	24917.	69933.	236.	3158.	1533.	3643.	22864.	74880.	
WORK ITEM 11	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 12	1568.	974.	516.	1515.	5.	64.	116.	69.	725.	1704.	
WORK ITEM 13	1750.	7294.	3245.	10540.	1979.	501.	98.	37.	5632.	13124.	
SLB TOTAL		66294.	35523.	101817.	1247.	4728.	3357.	4243.	44834.	113124.	
WORK ITEM 14	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 15	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 16	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 17	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 18	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 19	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 20	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 21	50.	380.	1252.	1632.	280.	86.	13.	1.	1031.	2010.	
WORK ITEM 22	660.	14240.	40859.	55099.	9186.	2891.	626.	73.	57564.	67804.	
WORK ITEM 23	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 24	7.	15.	531.	489.	118.	36.	4.	1.	691.	444.	
WORK ITEM 25	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
SLB TOTAL		14777.	42643.	57420.	9584.	3015.	843.	75.	55885.	70602.	
WORK ITEM 26	1488.	437.	360.	797.	3.	36.	80.	25.	475.	915.	
WORK ITEM 27	3036.	15498.	9952.	25451.	73.	1166.	573.	73.	17555.	27651.	
WORK ITEM 28	8075.	25196.	47292.	13888.	32096.	6776.	4783.	8733.	162322.	162322.	
WORK ITEM 29	1540.	22977.	15165.	38142.	3480.	1873.	1529.	1169.	45024.	63024.	
WORK ITEM 30	992.	4924.	6953.	11877.	1331.	594.	487.	65.	7366.	14299.	
WORK ITEM 31	13279.	1244.	1547.	2855.	199.	137.	279.	15.	2182.	3476.	
WORK ITEM 32	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 33	636.	99.	109.	205.	13.	10.	17.	2.	146.	243.	
SLB TOTAL		120314.	97385.	218203.	17195.	10593.	8133.	8532.	133307.	254125.	
WORK ITEM 34	0.	704362.	120517.	1024879.	51860.	48453.	40456.	33574.	461286.	1165648.	

PROJECT COST LIST

PAGE = 11

CASE (1)-SEGMENT NO. 5		UNIT 1000RP									
DESCRIPTION	QUANTITY	(1) F.C	(2) L.C	SUBTOTAL (1)+(2)	(3) TAX	(4) PPN	(5) IMPDPT DUTY	(6) SUBSIDY	(7) LCTOTAL (2)+(3)+(4)+(5)	(8) TOTAL (1)+(7)	
WORK ITEM 35	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 36	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
SLB TOTAL		704362.	120517.	1024879.	51860.	48453.	40456.	33574.	461286.	1165648.	
WORK ITEM 37	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 38	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 39	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 40	660.	8619.	7651.	11470.	499.	539.	2395.	7.	4294.	14917.	
WORK ITEM 41	660.	6274.	576.	6800.	72.	107.	1117.	34.	2642.	8314.	
WORK ITEM 42	1320.	1959.	2167.	3226.	528.	769.	40.	4.	2904.	3963.	
WORK ITEM 43	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 44	4.	13.	263.	276.	53.	15.	4.	0.	333.	344.	
WORK ITEM 45	4.	31.	4675.	4706.	970.	250.	1.	0.	5775.	5804.	
WORK ITEM 46	2.	26.	3107.	3133.	1652.	188.	1.	0.	4342.	4374.	
WORK ITEM 47	895.	115.	419.	534.	74.	27.	4.	0.	565.	677.	
WORK ITEM 48	33.	32451.	24978.	41359.	5108.	2955.	6445.	7.	47507.	75997.	
WORK ITEM 49	4.	30060.	7121.	37120.	1399.	1735.	6136.	0.	14407.	46407.	
WORK ITEM 50	4.	280211.	83492.	161202.	19914.	16394.	37666.	37.	177458.	437461.	
WORK ITEM 51	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 52	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
SLB TOTAL		338795.	133471.	472266.	29680.	22588.	73934.	41.	259671.	598466.	
SUB-TOTAL		1338424.	674754.	2015178.	116933.	96020.	135949.	50026.	1027757.	2367181.	
OVERHEAD AND PROFIT		314606.	169189.	503795.	28983.	24020.	33097.	12504.	257189.	541294.	
TOTAL		1673030.	843943.	2518973.	149916.	120140.	169047.	62530.	1285946.	2958474.	
FINAL ENGINEERING		46921.	31838.	100759.	4997.	4804.	6799.	2401.	57431.	118350.	
SUPERVISION		100382.	50757.	151138.	8995.	7204.	10199.	3752.	47157.	177539.	
LAND ACQUISITION		0.	825250.	825250.	0.	0.	0.	0.	825250.	825250.	
COMPENSATION		0.	514000.	514000.	0.	0.	0.	0.	514000.	514000.	
PHYSICAL CONTINGENT		250955.	327779.	578733.	22487.	27055.	25498.	9380.	402819.	633774.	
TOTAL PROJECT COST		2091288.	2597566.	4688854.	187396.	159165.	212483.	78165.	3154410.	5247894.	

CASE# 13-SEGMENT NO. 6		UNIT# 1000RP									
DESCRIPTION	QUANTITY	(1) P.C	(2) L.C	SUBTOTAL (1)+(2)	(3) TAX	(4) PPN	(5)IMPORT DUTY	(6) SUBSIDY	(7)LCYOTAL (2+3+4+5)	(8) TOTAL (1)+(7)	
WDR ITEM 1	0.	395073.	49148.	296221.	15657.	13944.	11800.	-1156.	160369.	335422.	
WDR ITEM 2	0.	780791.	394571.	1176882.	62628.	55778.	46400.	5823.	561397.	1341488.	
SLR TOTAL		975864.	495739.	1471103.	78286.	69722.	58000.	7279.	701746.	1672109.	
WDR ITEM 3	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WDR ITEM 4	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WDR ITEM 5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WDR ITEM 6	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WDR ITEM 7	4.	151.	32.	237.	1.	11.	6.	15.	94.	245.	
WDR ITEM 8	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WDR ITEM 9	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WDR ITEM 10	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WDR ITEM 11	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WDR ITEM 12	34787.	21769.	11931.	33701.	103.	1521.	2382.	1535.	16136.	37908.	
WDR ITEM 13	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
SLR TOTAL		2192.	12014.	15936.	106.	1532.	2584.	1530.	14433.	38153.	
WDR ITEM 14	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WDR ITEM 15	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WDR ITEM 16	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WDR ITEM 17	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WDR ITEM 18	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WDR ITEM 19	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WDR ITEM 20	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WDR ITEM 21	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WDR ITEM 22	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WDR ITEM 23	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WDR ITEM 24	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WDR ITEM 25	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
SLR TOTAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	
WDR ITEM 26	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WDR ITEM 27	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WDR ITEM 28	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WDR ITEM 29	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WDR ITEM 30	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WDR ITEM 31	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WDR ITEM 32	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WDR ITEM 33	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
SLR TOTAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	
WDR ITEM 34	0.	12887455.	6505072.	19392527.	1025918.	918830.	751885.	95479.	9201705.	22089160.	

CASE# 13-SEGMENT NO. 6		UNIT# 1000RP									
DESCRIPTION	QUANTITY	(1) P.C	(2) L.C	SUBTOTAL (1)+(2)	(3) TAX	(4) PPN	(5)IMPORT DUTY	(6) SUBSIDY	(7)LCYOTAL (2+3+4+5)	(8) TOTAL (1)+(7)	
WDR ITEM 35	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WDR ITEM 36	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
SLR TOTAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	
WDR ITEM 37	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WDR ITEM 38	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WDR ITEM 39	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WDR ITEM 40	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WDR ITEM 41	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WDR ITEM 42	480.	726.	1009.	2395.	392.	125.	79.	3.	2157.	2967.	
WDR ITEM 43	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WDR ITEM 44	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WDR ITEM 45	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WDR ITEM 46	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WDR ITEM 47	4.	52.	424.	678.	214.	177.	1.	2.	1096.	874.	
WDR ITEM 48	1915.	231.	849.	1087.	161.	55.	33.	11.	1141.	1375.	
WDR ITEM 49	96.	94407.	84097.	178699.	15122.	8715.	18749.	4.	124681.	221082.	
WDR ITEM 50	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WDR ITEM 51	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WDR ITEM 52	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
SLR TOTAL		95471.	92769.	188240.	1770.	9270.	18885.	20.	134674.	234160.	
SLR-TOTAL		1390217.	7105594.	21058811.	1122078.	999355.	831311.	104328.	19034569.	24038588.	
OVERHEAD AND PROFIT		3491451.	1776399.	5271451.	260519.	249850.	207833.	26882.	2514889.	8009647.	
T O T A L		17475261.	8861993.	25337256.	1402597.	1249193.	1039164.	130409.	12572467.	30608210.	
FINAL ENGINEERING		690810.	155280.	1154290.	50104.	49968.	41567.	5216.	502971.	1201928.	
SUPERVISION		1048514.	532920.	1581435.	86156.	74952.	62350.	7825.	754377.	1802893.	
LAND ACQUISITION		0.	1384750.	1384750.	0.	0.	0.	0.	1384750.	1384750.	
COMPENSATION		0.	423750.	423750.	0.	0.	0.	0.	423750.	423750.	
PHYSICAL CONTINGENT		2021287.	1403574.	4224861.	210390.	199586.	155875.	19561.	2167624.	4790714.	
TOTAL PROJECT COST		21844074.	13182260.	35026334.	1753246.	1573699.	1208955.	163912.	17808167.	39652245.	

CASE# 12-SEGMENT NO. 7

UNIT: 1000R

DESCRIPTION	QUANTITY	(1) F.C	(2) L.C	SUBTOTAL (1)+(2)	(3) TAX	(4) PPH	(5)IMPORT DUTY	(6) SUBSIDY	(7)LC TOTAL (2)+(4)+(5)	(8) TOTAL (1)+(7)
WPL ITEM 1	0.	6985.	5293.	12278.	834.	590.	418.	252.	7134.	14119.
WPL ITEM 2	0.	27960.	21172.	49111.	3334.	2360.	1671.	1008.	29537.	56476.
SLR TOTAL		34945.	26465.	61380.	4168.	2950.	2008.	1259.	35671.	70596.
WPL ITEM 3	4570.	385.	228.	613.	2.	28.	85.	25.	323.	708.
WPL ITEM 4	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WPL ITEM 5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WPL ITEM 6	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WPL ITEM 7	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WPL ITEM 8	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WPL ITEM 9	49690.	43461.	27893.	66370.	3618.	3149.	5279.	1631.	34852.	78414.
WPL ITEM 10	15017.	12013.	66472.	186633.	677.	8429.	4096.	9723.	79699.	199811.
WPL ITEM 11	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WPL ITEM 12	51112.	19164.	16613.	29977.	93.	1353.	2290.	1565.	14350.	33720.
WPL ITEM 13	7740.	12514.	14451.	46970.	8590.	2501.	437.	164.	25904.	58911.
SLR TOTAL		21504.	114603.	330572.	17983.	15460.	12173.	12000.	155223.	371191.
WPL ITEM 14	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WPL ITEM 15	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WPL ITEM 16	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WPL ITEM 17	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WPL ITEM 18	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WPL ITEM 19	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WPL ITEM 20	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WPL ITEM 21	37.	281.	920.	1207.	207.	64.	9.	1.	1206.	1487.
WPL ITEM 22	491.	10591.	37397.	40990.	6834.	2152.	466.	55.	39849.	50442.
WPL ITEM 23	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WPL ITEM 24	5.	113.	390.	492.	84.	26.	3.	0.	493.	608.
WPL ITEM 25	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SLR TOTAL		10987.	31703.	42690.	7123.	2242.	478.	56.	4548.	52335.
WPL ITEM 26	419A.	504.	415.	919.	3.	41.	92.	29.	552.	1056.
WPL ITEM 27	1000.	524.	327.	8517.	24.	384.	189.	321.	1874.	9114.
WPL ITEM 28	2229.	2075A.	17471.	18227.	1339.	1870.	1627.	1758.	26107.	44863.
WPL ITEM 29	101.	574.	3791.	9536.	870.	468.	382.	277.	5512.	11256.
WPL ITEM 30	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WPL ITEM 31	1755.	364.	443.	807.	56.	39.	29.	4.	617.	981.
WPL ITEM 32	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WPL ITEM 33	1432.	723.	239.	463.	29.	22.	39.	4.	329.	552.
SLR TOTAL		12437.	25617.	58449.	4321.	2826.	2208.	2392.	34991.	67823.
WPL ITEM 34	0.	190381.	152857.	333240.	26519.	16189.	7991.	1383.	203556.	363939.

CASE# 12-SEGMENT NO. 7

UNIT: 1000R

DESCRIPTION	QUANTITY	(1) F.C	(2) L.C	SUBTOTAL (1)+(2)	(3) TAX	(4) PPH	(5)IMPORT DUTY	(6) SUBSIDY	(7)LC TOTAL (2)+(4)+(5)	(8) TOTAL (1)+(7)
WORK ITEM 35	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WORK ITEM 36	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SLR TOTAL		180381.	152857.	333240.	26519.	16189.	7991.	1383.	203556.	363939.
WORK ITEM 37	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WORK ITEM 38	172.	1265.	557.	6819.	519.	331.	4.	10.	4660.	7693.
WORK ITEM 39	7360.	117.	639.	756.	13.	35.	0.	15.	688.	809.
WORK ITEM 40	330.	4369.	1431.	5739.	249.	269.	1146.	4.	1947.	7434.
WORK ITEM 41	235.	2734.	187.	2421.	8.	109.	423.	12.	777.	2961.
WORK ITEM 42	942.	784.	1612.	2400.	393.	124.	29.	3.	2100.	2904.
WORK ITEM 43	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WORK ITEM 44	1.	3.	68.	70.	13.	4.	0.	0.	83.	87.
WORK ITEM 45	3.	23.	3654.	3477.	602.	187.	1.	0.	4331.	4354.
WORK ITEM 46	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WORK ITEM 47	437.	56.	203.	760.	10.	11.	21.	1.	275.	331.
WORK ITEM 48	17.	16717.	14892.	31609.	2678.	1543.	1320.	1.	23433.	39159.
WORK ITEM 49	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WORK ITEM 50	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WORK ITEM 51	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WORK ITEM 52	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SUB TOTAL		25492.	28059.	53551.	4621.	2618.	4993.	53.	49293.	63785.
SUB-TOTAL		500586.	179325.	879912.	59759.	42284.	29934.	18052.	511887.	1011869.
OVERHEAD AND PROFIT		125147.	96831.	219978.	14935.	10571.	7483.	4515.	127821.	252967.
T O T A L		625733.	476156.	1095890.	74674.	52855.	37417.	22565.	639408.	1264838.
FINAL ENGINEERING		25029.	18966.	43996.	2987.	2114.	1497.	903.	25564.	50593.
SUPERVISION		37544.	28449.	65993.	4484.	3171.	2245.	1354.	34346.	75899.
LAND ACQUISITION		0.	60000.	60000.	0.	0.	0.	0.	60000.	60000.
COMPENSATION		0.	54000.	54000.	0.	0.	0.	0.	54000.	54000.
PHYSICAL CONTINGENCY		93860.	88223.	182083.	11201.	8698.	5613.	3345.	113755.	207395.
TOTAL PROJECT COST		782166.	723796.	1505962.	93443.	66839.	46773.	28206.	939748.	1712915.

CASEC 11-SEQUENCE NO. 6		UNIT: 1000PP									
DESCRIPTION	QUANTITY	(1) P.C	(2) L.C	SUBTOTAL (1)+(2)	(3) TAX	(4) PPN	(5) IMPORT DUTY	(6) SUBSIDY	(7) L.E.TOTAL (2)+(3)+(4)+(5)	(8) TOTAL (1)+(7)	
WDRP ITEM 1	0	26407	16542	42949	3265	2009	3472	711	25328	51524	
WDRP ITEM 2	0	105407	65366	170773	12940	8278	13047	2444	101511	206115	
SUB TOTAL		132002	81908	213910	16225	10347	17559	3556	125633	259543	
WDRP ITEM 3	15947	0	528	1613	0	0	150	57	745	1057	
WDRP ITEM 4	0	0	0	0	0	0	0	0	0	0	
WDRP ITEM 5	0	0	0	0	0	0	0	0	0	0	
WDRP ITEM 6	0	0	0	0	0	0	0	0	0	0	
WDRP ITEM 7	0	0	0	0	0	0	0	0	0	0	
WDRP ITEM 8	0	0	0	0	0	0	0	0	0	0	
WDRP ITEM 9	40923	60114	31470	91584	4903	4344	7284	2251	43093	108209	
WDRP ITEM 10	89371	301448	164856	463305	16928	21120	10220	24398	192981	501439	
WDRP ITEM 11	0	0	0	0	0	0	0	0	0	0	
WDRP ITEM 12	4492	4051	2270	6271	19	283	440	70	1103	7054	
WDRP ITEM 13	17000	70873	31518	102391	1874	5451	952	357	54055	127524	
SUB TOTAL		417375	232590	649965	25449	31294	19143	27349	306477	745352	
WDRP ITEM 14	0	0	0	0	0	0	0	0	0	0	
WDRP ITEM 15	0	0	0	0	0	0	0	0	0	0	
WDRP ITEM 16	0	0	0	0	0	0	0	0	0	0	
WDRP ITEM 17	0	0	0	0	0	0	0	0	0	0	
WDRP ITEM 18	5	2437	894	11337	2026	603	47	5	11611	14049	
WDRP ITEM 19	0	0	0	0	0	0	0	0	0	0	
WDRP ITEM 20	0	0	0	0	0	0	0	0	0	0	
WDRP ITEM 21	131	995	3280	4275	713	225	43	4	6272	5264	
WDRP ITEM 22	1747	17492	108153	145845	24315	7657	1656	194	161782	179475	
WDRP ITEM 23	0	0	0	0	0	0	0	0	0	0	
WDRP ITEM 24	18	407	1340	1747	303	43	11	0	1774	2181	
WDRP ITEM 25	0	0	0	0	0	0	0	0	0	0	
SUB TOTAL		41531	121734	163265	27377	8579	1749	204	151435	200977	
WDRP ITEM 26	25035	3004	2478	5483	18	248	531	175	1291	6299	
WDRP ITEM 27	4077	25555	15982	41537	117	1874	922	1564	14895	44451	
WDRP ITEM 28	18577	172882	145007	317889	27228	15589	11083	36439	290915	573902	
WDRP ITEM 29	2707	41197	27190	68387	624	3354	2741	1909	37924	40724	
WDRP ITEM 30	992	4924	6953	11877	3331	594	442	65	2360	14291	
WDRP ITEM 31	4421	2369	2842	5251	346	753	513	24	4014	6382	
WDRP ITEM 32	0	0	0	0	0	0	0	0	0	0	
WDRP ITEM 33	17344	2707	2898	5405	347	268	469	52	3982	6389	
SUB TOTAL		252746	203949	456695	36248	22184	17571	18510	277993	517739	
WDRP ITEM 34	0	153442	129018	282460	22603	13729	6847	1154	172217	325637	

CASEC 11-SEQUENCE NO. 6		UNIT: 1000PP									
DESCRIPTION	QUANTITY	(1) P.C	(2) L.C	SUBTOTAL (1)+(2)	(3) TAX	(4) PPN	(5) IMPORT DUTY	(6) SUBSIDY	(7) L.E.TOTAL (2)+(3)+(4)+(5)	(8) TOTAL (1)+(7)	
WDRP ITEM 35	0	0	0	0	0	0	0	0	0	0	
WDRP ITEM 36	0	0	0	0	0	0	0	0	0	0	
SUB TOTAL		153442	129018	282460	22603	13729	6847	1154	172217	325637	
WDRP ITEM 37	0	0	0	0	0	0	0	0	0	0	
WDRP ITEM 38	1275	10714	1158	9071	748	484	0	23	9628	11240	
WDRP ITEM 39	0	0	0	0	0	0	0	0	0	0	
WDRP ITEM 40	0	0	0	0	0	0	0	0	0	0	
WDRP ITEM 41	0	0	0	0	0	0	0	0	0	0	
WDRP ITEM 42	0	0	0	0	0	0	0	0	0	0	
WDRP ITEM 43	0	0	0	0	0	0	0	0	0	0	
WDRP ITEM 44	0	0	0	0	0	0	0	0	0	0	
WDRP ITEM 45	0	0	0	0	0	0	0	0	0	0	
WDRP ITEM 46	0	0	0	0	0	0	0	0	0	0	
WDRP ITEM 47	0	0	0	0	0	0	0	0	0	0	
WDRP ITEM 48	0	0	0	0	0	0	0	0	0	0	
WDRP ITEM 49	0	0	0	0	0	0	0	0	0	0	
WDRP ITEM 50	0	0	0	0	0	0	0	0	0	0	
WDRP ITEM 51	0	0	0	0	0	0	0	0	0	0	
WDRP ITEM 52	0	0	0	0	0	0	0	0	0	0	
SUB TOTAL		153442	129018	282460	22603	13729	6847	1154	172217	325637	
OVERHEAD & PROFIT		47577	25775	76593	5146	37077	62204	12741	450207	923214	
TOTAL		230547	1401927	1628964	297702	185385	311020	63705	2251035	4616072	
FINAL BIDDING		7647	59567	143150	11622	7415	1241	2548	90041	186643	
SUBSIDY		14177	87810	299734	17442	11123	18661	3822	135062	270964	
CONSTRUCTION		0	433300	433300	0	0	0	0	633300	633300	
OPERATION		0	814004	814000	0	0	0	0	814000	814000	
PHYSICAL COSTS		354754	436684	791440	43005	37577	46653	9556	564519	919275	
TOTAL PROJECT COSTS		2956794	3494304	6456400	363378	241500	388775	79631	4487958	7444254	

PROJECT COST LIST

PAGE = 18

CASE# 33-SEGMENT NO. 9		UNIT 100DRP									
DESCRIPTION	QUANTITY	(1) P.C	(2) L.C	SUBTOTAL (1)+(2)	(3) TAX	(4) PPN	(5) IMPORT DUTY	(6) SUBSIDY	(7) LCTOTAL (2)+(3)+(4)+(5)	(8) TOTAL (1)+(7)	
UCRA ITEM 1	0.	8445.	5607.	13852.	1033.	670.	463.	417.	7572.	16018.	
UCRA ITEM 2	0.	33781.	21627.	55408.	4131.	2879.	1852.	1670.	39289.	64071.	
SUB TOTAL		42226.	27034.	69260.	5164.	3349.	2315.	2087.	37862.	80088.	
UCRA ITEM 3	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
UCRA ITEM 4	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
UCRA ITEM 5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
UCRA ITEM 6	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
UCRA ITEM 7	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
UCRA ITEM 8	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
UCRA ITEM 9	59570.	87435.	45771.	133206.	7261.	6321.	10593.	3772.	60948.	157583.	
UCRA ITEM 10	67513.	227721.	122067.	353268.	1223.	13917.	7764.	1831.	391571.	379792.	
UCRA ITEM 11	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
UCRA ITEM 12	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
UCRA ITEM 13	52750.	13445.	59792.	194242.	35540.	10340.	1400.	677.	107477.	249927.	
SUB TOTAL		44904.	231639.	691214.	44094.	32638.	20145.	22392.	327494.	778102.	
UCRA ITEM 14	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
UCRA ITEM 15	38.	1134.	7611.	3745.	667.	199.	18.	4.	1494.	4628.	
UCRA ITEM 16	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
UCRA ITEM 17	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
UCRA ITEM 18	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
UCRA ITEM 19	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
UCRA ITEM 20	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
UCRA ITEM 21	538.	4084.	13470.	17555.	3011.	925.	130.	16.	17543.	21627.	
UCRA ITEM 22	590.	10774.	39954.	41742.	4959.	2192.	475.	54.	47579.	51367.	
UCRA ITEM 23	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
UCRA ITEM 24	5.	111.	340.	497.	84.	26.	3.	0.	493.	604.	
UCRA ITEM 25	5.	222.	884.	1166.	192.	41.	7.	0.	1144.	1631.	
SUB TOTAL		1640.	42299.	54699.	10917.	3403.	840.	77.	63258.	79659.	
UCRA ITEM 26	9000.	1080.	891.	1971.	6.	89.	198.	63.	1188.	2264.	
UCRA ITEM 27	2075.	10373.	9870.	17473.	51.	798.	593.	464.	9039.	18919.	
UCRA ITEM 28	6998.	4454.	3312.	84714.	7437.	4194.	3199.	3938.	24034.	105384.	
UCRA ITEM 29	917.	13504.	8914.	22421.	2040.	1101.	639.	452.	17960.	26464.	
UCRA ITEM 30	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
UCRA ITEM 31	4240.	400.	974.	1774.	174.	85.	173.	8.	1556.	2154.	
UCRA ITEM 32	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
UCRA ITEM 33	1440.	225.	240.	465.	29.	22.	39.	4.	330.	555.	
SUB TOTAL		73024.	54993.	130019.	9741.	6289.	4906.	5332.	77924.	150940.	
UCRA ITEM 34	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	

PAGE = 19

CASE# 33-SEGMENT NO. 9		UNIT 100DRP									
DESCRIPTION	QUANTITY	(1) P.C	(2) L.C	SUBTOTAL (1)+(2)	(3) TAX	(4) PPN	(5) IMPORT DUTY	(6) SUBSIDY	(7) LCTOTAL (2)+(3)+(4)+(5)	(8) TOTAL (1)+(7)	
WORK ITEM 35	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 36	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
SUB TOTAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 37	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 38	235.	134.	1502.	1831.	145.	89.	1.	4.	1738.	2073.	
WORK ITEM 39	11318.	181.	985.	1166.	23.	53.	0.	23.	1061.	1242.	
WORK ITEM 40	400.	7834.	2601.	10435.	454.	490.	2177.	7.	5722.	13556.	
WORK ITEM 41	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 42	1000.	802.	1642.	2444.	400.	128.	30.	3.	2200.	3002.	
WORK ITEM 43	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 44	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 45	3.	23.	3454.	3477.	696.	187.	1.	0.	4331.	4553.	
WORK ITEM 46	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 47	475.	61.	222.	283.	39.	15.	24.	3.	299.	359.	
WORK ITEM 48	15.	16750.	13160.	27890.	2363.	1361.	2929.	1.	19794.	34544.	
WORK ITEM 49	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 50	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 51	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 52	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
SUB TOTAL		23987.	23546.	67533.	4114.	2324.	3161.	40.	35144.	59131.	
SUB-TOTAL		605249.	387480.	992726.	74020.	48004.	33100.	29918.	542684.	1147930.	
OVERHEAD AND PROFIT		151312.	96870.	248182.	18505.	12001.	8295.	7480.	135671.	286983.	
T O T A L		756558.	484351.	1240908.	92525.	60004.	41475.	37398.	678355.	1436913.	
FINAL ENGINEERING		30262.	19374.	49636.	3701.	2400.	1659.	1496.	27134.	57397.	
SUPERVISION		45393.	29061.	74454.	5551.	3600.	2489.	2244.	40701.	86095.	
LAND ACQUISITION		0.	794000.	794000.	0.	0.	0.	0.	794000.	794000.	
COMPENSATION		0.	487000.	487000.	0.	0.	0.	0.	487000.	487000.	
PHYSICAL CONTINGENCY		113484.	264803.	378286.	13879.	17447.	6221.	5610.	302550.	416034.	
TOTAL PROJECT COST		945697.	2078580.	3024283.	115656.	83652.	51844.	46747.	2329740.	3275437.	

PROJECT COST LIST

CASE# 11-SEGMENT NO. 10		UNIT: 1000P									
DESCRIPTION	QUANTITY	(1) F.C	(2) L.C	SUBTOTAL (1)+(2)	(3) TAX	(4) PPN	(5) IMPORT DUTY	(6) SUBSIDY	(7) LOCAL (2+3+4+5)	(8) TOTAL (1)+(7)	
WORK ITEM 1	0.	66229.	50862.	117091.	2279.	5439.	4193.	2671.	6913.	125122.	
WORK ITEM 2	0.	264919.	703369.	968288.	32936.	22556.	16770.	10790.	276511.	540569.	
SUB TOTAL		331147.	754212.	1085359.	35195.	28195.	20963.	13480.	344564.	675711.	
WORK ITEM 3	12870.	759.	450.	1210.	6.	53.	129.	49.	237.	1397.	
WORK ITEM 4	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 5	1050.	904.	480.	1384.	4.	62.	110.	59.	235.	1564.	
WORK ITEM 6	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 7	2.	75.	41.	116.	1.	5.	10.	7.	23.	127.	
WORK ITEM 8	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 9	271859.	399155.	209050.	608411.	31160.	2887.	48390.	14957.	31044.	718839.	
WORK ITEM 10	144037.	149280.	229056.	252685.	8637.	105080.	5107.	12328.	92144.	249141.	
WORK ITEM 11	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 12	15629.	9628.	5277.	14904.	40.	673.	1146.	679.	1715.	16765.	
WORK ITEM 13	141473.	58901.	262291.	852092.	155903.	45160.	7926.	2971.	471476.	1061277.	
SUB TOTAL		2498327.	1304650.	3802977.	197562.	180114.	108703.	139944.	1793091.	4291414.	
WORK ITEM 14	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 15	152.	4534.	10444.	14978.	2067.	754.	73.	18.	11976.	18512.	
WORK ITEM 16	250.	11701.	25590.	37291.	650.	1971.	264.	67.	34325.	46026.	
WORK ITEM 17	30.	12852.	49746.	62598.	1926.	3524.	183.	85117.	77369.		
WORK ITEM 18	32.	15607.	37179.	52786.	1296.	3850.	299.	35.	74304.	89111.	
WORK ITEM 19	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 20	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 21	2301.	17469.	57012.	75082.	12879.	3958.	580.	67.	75129.	92494.	
WORK ITEM 22	2150.	46384.	133102.	179486.	29926.	9424.	2640.	239.	174490.	220876.	
WORK ITEM 23	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 24	23.	520.	1746.	2265.	387.	119.	14.	2.	2267.	2784.	
WORK ITEM 25	21.	1294.	4045.	5339.	900.	282.	40.	5.	5287.	6284.	
SUB TOTAL		110366.	339485.	449851.	77487.	23730.	3494.	644.	446196.	556502.	
WORK ITEM 26	48985.	5878.	4850.	10726.	36.	486.	1078.	365.	6446.	12324.	
WORK ITEM 27	11494.	60229.	37880.	77894.	276.	4418.	2172.	3690.	46332.	104760.	
WORK ITEM 28	22602.	255667.	218277.	402944.	4166.	2299.	12337.	21593.	226157.	531524.	
WORK ITEM 29	5149.	75840.	50053.	125893.	11687.	6187.	506.	364.	77769.	148809.	
WORK ITEM 30	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 31	45762.	4439.	5400.	9839.	684.	474.	961.	46.	7321.	11969.	
WORK ITEM 32	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 33	6190.	966.	1034.	1999.	124.	96.	167.	19.	1420.	2384.	
SUB TOTAL		402518.	313779.	716298.	53656.	34648.	28901.	29351.	429045.	831563.	
WORK ITEM 34	0.	1123798.	1187851.	2311649.	18204.	112241.	82331.	9325.	1565027.	2688825.	

PROJECT COST LIST

CASE# 11-SEGMENT NO. 10		UNIT: 1000P									
DESCRIPTION	QUANTITY	(1) F.C	(2) L.C	SUBTOTAL (1)+(2)	(3) TAX	(4) PPN	(5) IMPORT DUTY	(6) SUBSIDY	(7) LOCAL (2+3+4+5)	(8) TOTAL (1)+(7)	
CPY ITEM 35	6.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
CPY ITEM 36	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
SUB TOTAL		1123798.	1187851.	2311649.	18204.	112241.	82331.	9325.	1565027.	2688825.	
CPY ITEM 37	794.	7564.	7142.	14706.	2110.	802.	707.	110.	11761.	19326.	
CPY ITEM 38	10502.	14997.	67129.	82126.	4690.	1988.	33.	189.	77659.	92454.	
CPY ITEM 39	6477.	1054.	574.	1601.	132.	312.	137.	4188.	7245.		
CPY ITEM 40	7242.	94559.	31394.	125953.	5475.	5916.	26281.	80.	69444.	163025.	
CPY ITEM 41	4299.	40906.	3496.	44793.	146.	2000.	7730.	224.	13302.	54164.	
CPY ITEM 42	7242.	5934.	11891.	17895.	2897.	927.	217.	27.	15932.	21740.	
CPY ITEM 43	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
CPY ITEM 44	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
CPY ITEM 45	9.	0.	1361.	1361.	2069.	562.	2.	0.	1994.	15084.	
CPY ITEM 46	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
CPY ITEM 47	2443.	314.	1143.	1454.	203.	75.	113.	15.	1530.	1864.	
CPY ITEM 48	117.	115057.	117473.	217545.	18430.	10619.	22830.	5.	154392.	269444.	
CPY ITEM 49	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
CPY ITEM 50	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
CPY ITEM 51	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
CPY ITEM 52	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
SUB TOTAL		240285.	241724.	522009.	37953.	25198.	5794.	775.	362830.	463114.	
SUB-TOTAL		4746461.	3447701.	8194162.	500456.	404727.	300488.	193327.	4939733.	9683194.	
OVERHEAD AND PROFIT		1146619.	910025.	2097534.	147614.	101032.	75117.	48332.	1234888.	2421298.	
TOTAL		5933051.	4554627.	10491696.	738070.	505159.	375585.	241659.	6173441.	12106492.	
FINAL FUTURE		237322.	182145.	419467.	29523.	20206.	15023.	966.	240938.	484260.	
CONSTRUCTION		355985.	273278.	629263.	44284.	30310.	22535.	14500.	370406.	726390.	
LAND ACQUISITION		0.	3864875.	3864875.	0.	0.	0.	0.	3864875.	3864875.	
DEMOLITION		0.	1867500.	1867500.	0.	0.	0.	0.	1867500.	1867500.	
PHYSICAL CONTINGENCY		889954.	1543050.	2433004.	110711.	114467.	58338.	36249.	1824566.	2714524.	
TOTAL PROJECT COST		782254.	12285515.	19701828.	922588.	670142.	469682.	302074.	14347726.	21764040.	

CASE 1)-SEGMENT NO. 11

UNIT 100RPP

DESCRIPTION	QUANTITY	(1) F.C.	(2) L.C.	SUBTOTAL (1)+(2)	(3) TAX	(4) PPN	(5) IMPORT DUTY	(6) SUBSIDY	(7) LC TOTAL (2)+(4)+(5)	(8) TOTAL (1)+(7)
WCPY ITEM 1	0.	20372.	16291.	36663.	2309.	1686.	1879.	620.	21145.	40515.
WCPY ITEM 2	0.	81485.	37164.	118651.	9236.	6653.	7517.	2470.	81972.	162059.
SUB TOTAL		101857.	71455.	173313.	11545.	8339.	9396.	3090.	111714.	202571.
WCPY ITEM 3	5120.	184.	109.	293.	1.	13.	11.	12.	155.	339.
WCPY ITEM 4	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WCPY ITEM 5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WCPY ITEM 6	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WCPY ITEM 7	1.	39.	21.	60.	0.	3.	0.	0.	23.	61.
WCPY ITEM 8	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WCPY ITEM 9	58999.	86679.	45370.	132049.	7198.	6266.	10576.	3243.	61536.	150005.
WCPY ITEM 10	160766.	339884.	182130.	522014.	1915.	25847.	11580.	27510.	265444.	565360.
WCPY ITEM 11	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WCPY ITEM 12	5249.	3775.	1795.	5071.	16.	729.	396.	231.	2727.	5704.
WCPY ITEM 13	18064.	78911.	35048.	113959.	27832.	6061.	1644.	197.	61101.	141811.
SUB TOTAL		508661.	276473.	779134.	29962.	36418.	23580.	31348.	369421.	869283.
WCPY ITEM 14	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WCPY ITEM 15	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WCPY ITEM 16	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WCPY ITEM 17	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WCPY ITEM 18	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WCPY ITEM 19	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WCPY ITEM 20	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WCPY ITEM 21	52.	395.	1302.	1697.	291.	89.	13.	7.	1699.	2099.
WCPY ITEM 22	690.	14887.	47717.	57603.	9603.	3424.	653.	77.	55999.	70888.
WCPY ITEM 23	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WCPY ITEM 24	7.	154.	531.	685.	116.	34.	4.	0.	651.	947.
WCPY ITEM 25	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SUB TOTAL		13440.	44350.	57790.	10012.	3150.	672.	79.	51385.	73824.
WCPY ITEM 26	8889.	1067.	880.	1947.	0.	88.	176.	62.	1177.	2234.
WCPY ITEM 27	2106.	11004.	6882.	17886.	50.	407.	397.	474.	1137.	1914.
WCPY ITEM 28	5515.	53356.	13227.	66582.	8261.	4628.	2334.	4364.	57946.	111001.
WCPY ITEM 29	1472.	21092.	13920.	35012.	3195.	1719.	1403.	1018.	29258.	41337.
WCPY ITEM 30	780.	3872.	5467.	9339.	1047.	467.	383.	51.	7384.	11234.
WCPY ITEM 31	9036.	876.	1066.	1943.	136.	94.	190.	9.	1485.	2367.
WCPY ITEM 32	2863.	276.	364.	620.	43.	30.	90.	3.	476.	752.
WCPY ITEM 33	677.	98.	105.	203.	13.	10.	17.	2.	144.	247.
SUB TOTAL		89640.	71891.	161531.	12750.	7843.	6175.	6166.	98659.	188299.
WCPY ITEM 34	0.	423466.	439339.	863005.	74420.	42184.	24958.	3527.	581101.	1004567.

PROJECT COST LIST

CASE 1)-SEGMENT NO. 11

UNIT 100RPP

DESCRIPTION	QUANTITY	(1) F.C.	(2) L.C.	SUBTOTAL (1)+(2)	(3) TAX	(4) PPN	(5) IMPORT DUTY	(6) SUBSIDY	(7) LC TOTAL (2)+(4)+(5)	(8) TOTAL (1)+(7)
WCPY ITEM 35	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WCPY ITEM 36	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SUB TOTAL		423466.	439339.	863005.	74420.	42184.	24958.	3527.	581101.	1004567.
WCPY ITEM 37	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WCPY ITEM 38	1643.	2342.	10502.	12844.	1015.	644.	8.	30.	12950.	14694.
WCPY ITEM 39	14843.	734.	1295.	15139.	30.	79.	0.	0.	15339.	16353.
WCPY ITEM 40	620.	10717.	3553.	14261.	620.	470.	2970.	9.	7620.	18327.
WCPY ITEM 41	690.	6559.	550.	7109.	23.	521.	144.	34.	7135.	8494.
WCPY ITEM 42	600.	1315.	2693.	4008.	656.	210.	44.	5.	3608.	4923.
WCPY ITEM 43	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WCPY ITEM 44	4.	13.	263.	277.	53.	15.	1.	0.	333.	366.
WCPY ITEM 45	3.	21.	3454.	3477.	696.	107.	1.	0.	4331.	4355.
WCPY ITEM 46	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WCPY ITEM 47	596.	69.	251.	319.	64.	16.	25.	3.	337.	404.
WCPY ITEM 48	17.	16717.	14892.	31609.	2678.	1543.	3370.	1.	27635.	39150.
WCPY ITEM 49	3.	22409.	5360.	27769.	1049.	1300.	4010.	0.	17305.	34905.
WCPY ITEM 50	6.	260211.	13492.	273703.	19934.	16364.	37668.	37.	172458.	432661.
WCPY ITEM 51	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WCPY ITEM 52	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SUB TOTAL		320897.	126239.	447136.	26793.	21320.	6994.	151.	744303.	965031.
SUB-TOTAL		1459062.	1624197.	2684159.	185485.	110234.	134673.	44418.	1441586.	2903544.
OVERHEAD AND PROFIT		364991.	254049.	619040.	41371.	29808.	33698.	11103.	507997.	725887.
TOTAL		1824053.	1788246.	3303199.	226856.	140042.	168371.	55521.	1904483.	3629431.
FINAL ENGINEERING		7999.	5120.	12620.	827.	562.	676.	227.	7779.	14577.
SUPERVISION		109497.	76815.	186312.	12411.	8943.	10100.	3331.	102261.	217766.
LAND ACQUISITION		0.	100190.	100190.	0.	0.	0.	0.	100190.	100190.
COMPENSATION		273743.	167393.	441136.	31028.	30247.	23251.	8328.	433919.	727662.
PHYSICAL CONTINGENCY		273743.	167393.	441136.	31028.	30247.	23251.	8328.	433919.	727662.
TOTAL PROJECT COST		2281191.	2944704.	5225895.	259567.	194194.	210426.	69403.	3607591.	5889062.

CASE 13-SEGMENT NO. 12

UNITS 1000PP

DESCRIPTION	QUANTITY	(1) F.C	(2) L.C	SUBTOTAL (1)+(2)	(3) TAX	(4) PPM	(5) IMPORT DUTY	(6) SUBSIDY	(7) LCTOTAL (2)+(4)+(5)	(8) TOTAL (1)+(7)
WORK ITEM 1	0.	28490.	20345.	48835.	3477.	2361.	2011.	470.	25164.	50841.
WORK ITEM 2	0.	114797.	81379.	196176.	13709.	9445.	8042.	2679.	112575.	227372.
SUB TOTAL		143497.	101723.	245220.	17137.	11806.	10053.	3149.	140719.	286215.
WORK ITEM 3	14100.	955.	547.	1522.	5.	69.	162.	67.	207.	1757.
WORK ITEM 4	1591.	1793.	0.	1077.	0.	0.	0.	0.	0.	0.
WORK ITEM 5	1.	38165.	26716.	64881.	7635.	3265.	0.	0.	37612.	75777.
WORK ITEM 6	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WORK ITEM 7	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WORK ITEM 8	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WORK ITEM 9	35404.	86221.	45130.	131357.	7161.	0231.	10446.	3248.	64977.	155199.
WORK ITEM 10	1156665.	352966.	165376.	518342.	1989.	24785.	12915.	28588.	256157.	587121.
WORK ITEM 11	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WORK ITEM 12	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WORK ITEM 13	4940.	4752.	2389.	7141.	21.	305.	0.	167.	1252.	7391.
WORK ITEM 14	43491.	93492.	43554.	141426.	25876.	7520.	1315.	493.	79253.	176146.
SUB TOTAL		591469.	314397.	905866.	42690.	42252.	24660.	32742.	621979.	1005828.
WORK ITEM 15	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WORK ITEM 16	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WORK ITEM 17	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WORK ITEM 18	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WORK ITEM 19	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WORK ITEM 20	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WORK ITEM 21	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WORK ITEM 22	47.	461.	2178.	2639.	487.	130.	22.	3.	2837.	3497.
WORK ITEM 23	1152.	24954.	71318.	96172.	16074.	5049.	1095.	127.	93494.	118368.
WORK ITEM 24	12.	271.	911.	1182.	292.	02.	7.	1.	1193.	1454.
WORK ITEM 25	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SUB TOTAL		25788.	74407.	100195.	16723.	5261.	1123.	931.	97514.	123300.
WORK ITEM 26	8319.	1325.	845.	1870.	0.	0.	0.	0.	1124.	2144.
WORK ITEM 27	2379.	12790.	7547.	19466.	55.	887.	450.	741.	8944.	21045.
WORK ITEM 28	4384.	4925.	42059.	52027.	8038.	4503.	3634.	4228.	59031.	108002.
WORK ITEM 29	948.	14254.	9410.	23664.	2160.	1162.	949.	887.	11680.	27933.
WORK ITEM 30	372.	2437.	4009.	6849.	788.	343.	281.	38.	5400.	8260.
WORK ITEM 31	8519.	428.	1008.	1834.	128.	88.	179.	0.	1403.	2232.
WORK ITEM 32	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WORK ITEM 33	642.	103.	111.	216.	13.	10.	18.	2.	152.	255.
SUB TOTAL		81121.	65008.	146129.	11168.	7078.	5483.	5768.	88740.	169860.
WORK ITEM 34	0.	93679.	732737.	1668935.	126811.	80809.	41792.	5771.	982149.	1918147.

CASE 13-SEGMENT NO. 12

UNITS 1000PP

DESCRIPTION	QUANTITY	(1) F.C	(2) L.C	SUBTOTAL (1)+(2)	(3) TAX	(4) PPM	(5) IMPORT DUTY	(6) SUBSIDY	(7) LCTOTAL (2)+(4)+(5)	(8) TOTAL (1)+(7)
WORK ITEM 35	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WORK ITEM 36	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SUB TOTAL		93679.	732737.	1668935.	126811.	80809.	41792.	5771.	982149.	1918147.
WORK ITEM 37	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WORK ITEM 38	5870.	8394.	37152.	45546.	1631.	2231.	20.	106.	41452.	51642.
WORK ITEM 39	19246.	16.	1022.	10238.	38.	91.	0.	38.	1804.	2112.
WORK ITEM 40	2374.	3073.	9088.	14074.	59.	257.	0.	992.	21972.	32056.
WORK ITEM 41	582.	5967.	440.	5487.	5631.	922.	295.	69.	5069.	6917.
WORK ITEM 42	2374.	1944.	3743.	5617.	0.	0.	0.	0.	0.	0.
WORK ITEM 43	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WORK ITEM 44	0.	12.	332.	344.	66.	19.	0.	0.	412.	433.
WORK ITEM 45	0.	6.	497.	503.	1380.	375.	1.	0.	4663.	8709.
WORK ITEM 46	0.	57.	2114.	2171.	7104.	377.	1.	0.	1699.	8748.
WORK ITEM 47	443.	124.	451.	574.	0.	29.	45.	0.	605.	720.
WORK ITEM 48	43.	5214.	46426.	51684.	8349.	4810.	10351.	2.	69938.	120564.
WORK ITEM 49	0.	5000.	14241.	19241.	7424.	2798.	3407.	12308.	0.	32814.
WORK ITEM 50	0.	3320.	4769.	17141.	5947.	8182.	2883.	18.	89728.	21831.
WORK ITEM 51	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WORK ITEM 52	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SUB TOTAL		288336.	169764.	458100.	31086.	22016.	60993.	235.	283667.	572203.
SUB-TOTAL		2056787.	1457050.	3513837.	245074.	169220.	164080.	17097.	2016968.	4073753.
OVERHEAD AND PROFIT		314797.	364509.	679306.	61406.	42305.	36022.	11998.	504272.	1018438.
TOTAL		2570984.	1922559.	4593528.	307280.	211525.	180108.	59092.	2521208.	5092191.
FINAL INVESTING		102839.	72902.	175741.	12281.	8461.	7204.	2460.	100848.	203688.
PROVISIONS		154259.	119353.	273612.	18422.	12692.	10806.	3600.	151272.	305531.
LAND ACQUISITION		0.	963925.	963925.	0.	0.	0.	0.	963925.	963925.
CONTINGENT		0.	41325.	401325.	0.	0.	0.	0.	401325.	401325.
PHYSICAL CONTINGENT		385447.	477149.	862596.	44055.	40944.	27016.	2999.	592186.	877832.
TOTAL PROJECT COST		3213729.	3846219.	7061948.	383788.	273622.	225134.	74990.	4730763.	7944692.

PROJECT COST LIST

CASEC 11-SEGMENT NO. 11

UNIT: 1000RP

DESCRIPTION	QUANTITY	(1) F.C	(2) L.C	SUBTOTAL (1)+(2)	(3) TAX	(4) PPH	(5) IMPORT DUTY	(6) SUBSIDY	(7) LC TOTAL (2)+(4)+(5)	(8) TOTAL (1)+(7)
WORK ITEM 1	0.	71140.	36064.	125204.	10000.	6084.	4621.	3047.	74570.	145710.
WORK ITEM 2	0.	284560.	216255.	500815.	40004.	24337.	17684.	12166.	229279.	582439.
SUB TOTAL		355700.	270319.	626019.	50004.	30421.	22105.	15204.	372849.	728549.
WORK ITEM 3	65520.	3864.	2293.	6159.	20.	239.	653.	249.	3746.	7112.
WORK ITEM 4	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WORK ITEM 5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WORK ITEM 6	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WORK ITEM 7	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WORK ITEM 8	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WORK ITEM 9	388616.	570977.	299846.	869723.	47411.	41271.	69174.	21174.	434702.	1027574.
WORK ITEM 10	440618.	1484181.	821514.	2305694.	8360.	104132.	50002.	120145.	984602.	2469789.
WORK ITEM 11	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WORK ITEM 12	24690.	16455.	9128.	25783.	40.	1164.	1973.	1174.	12347.	29001.
WORK ITEM 13	216128.	901934.	400791.	1301730.	239193.	49296.	12103.	4539.	723274.	1621511.
SUB TOTAL		2976619.	1437482.	4509097.	294044.	216141.	134509.	147461.	2177177.	5153792.
WORK ITEM 14	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WORK ITEM 15	258.	7696.	17727.	25423.	4524.	1548.	124.	30.	27225.	31422.
WORK ITEM 16	785.	36741.	89353.	117094.	29411.	6184.	828.	195.	107779.	144520.
WORK ITEM 17	31.	13283.	51404.	64684.	11640.	3435.	149.	19.	64667.	79944.
WORK ITEM 18	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WORK ITEM 19	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WORK ITEM 20	31.	28842.	96842.	125684.	22013.	6646.	741.	60.	124243.	155084.
WORK ITEM 21	3695.	27977.	92265.	120242.	29675.	6339.	929.	117.	127138.	148134.
WORK ITEM 22	3431.	74024.	212406.	246430.	47751.	15034.	3240.	361.	274453.	352477.
WORK ITEM 23	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WORK ITEM 24	35.	791.	2657.	3447.	590.	142.	21.	3.	3451.	4247.
WORK ITEM 25	35.	1971.	4188.	6159.	1372.	429.	63.	4.	9446.	10019.
SUB TOTAL		191323.	559841.	751164.	128920.	39604.	6150.	722.	734521.	925844.
WORK ITEM 26	61071.	9729.	8026.	17755.	57.	802.	1744.	567.	13068.	20396.
WORK ITEM 27	18630.	97621.	61051.	158672.	447.	7160.	3521.	598.	72179.	169800.
WORK ITEM 28	44402.	411671.	368023.	781694.	66314.	32280.	28417.	3498.	487215.	893684.
WORK ITEM 29	8693.	128039.	84505.	212544.	19394.	10437.	8319.	618.	127655.	250844.
WORK ITEM 30	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WORK ITEM 31	72445.	7004.	8525.	15533.	1084.	748.	1517.	72.	11833.	18881.
WORK ITEM 32	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WORK ITEM 33	9880.	1541.	1650.	3191.	198.	152.	267.	30.	2267.	3404.
SUB TOTAL		657409.	511779.	1169188.	87693.	56500.	44023.	47819.	709057.	1357466.
WORK ITEM 34	0.	576299.	665263.	1241562.	102901.	60501.	47744.	5440.	874409.	1452704.

PROJECT COST LIST

CASEC 11-SEGMENT NO. 11

UNIT: 1000RP

DESCRIPTION	QUANTITY	(1) F.C	(2) L.C	SUBTOTAL (1)+(2)	(3) TAX	(4) PPH	(5) IMPORT DUTY	(6) SUBSIDY	(7) LC TOTAL (2)+(4)+(5)	(8) TOTAL (1)+(7)
WORK ITEM 35	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WORK ITEM 36	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SUB TOTAL		576299.	665263.	1241562.	102901.	60501.	47744.	5440.	874409.	1452704.
WORK ITEM 37	2377.	22849.	24376.	47222.	6318.	2400.	2110.	328.	35210.	57454.
WORK ITEM 38	15832.	22751.	101817.	124594.	9846.	4020.	84.	267.	117813.	140563.
WORK ITEM 39	76519.	1224.	6657.	7881.	153.	362.	0.	151.	7172.	8394.
WORK ITEM 40	1501.	45713.	15177.	40889.	2647.	2859.	12709.	39.	31384.	79104.
WORK ITEM 41	4861.	65221.	5468.	70889.	233.	3191.	12339.	357.	21229.	86459.
WORK ITEM 42	4861.	5501.	11266.	16768.	274.	474.	208.	21.	15194.	20597.
WORK ITEM 43	2300.	3432.	5471.	8855.	1469.	464.	133.	14.	7467.	10499.
WORK ITEM 44	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WORK ITEM 45	7.	54.	4058.	4112.	1609.	437.	1.	0.	11107.	10707.
WORK ITEM 46	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WORK ITEM 47	3354.	429.	1570.	1999.	278.	102.	150.	20.	2108.	2537.
WORK ITEM 48	177.	17475.	15404.	329107.	27692.	10044.	34544.	7.	233569.	407621.
WORK ITEM 49	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WORK ITEM 50	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WORK ITEM 51	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WORK ITEM 52	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SUB TOTAL		341024.	334884.	675909.	55160.	32808.	62302.	1225.	483155.	824179.
SUB-TOTAL		5098177.	3474567.	8972939.	716730.	436035.	576815.	217981.	5344167.	10462546.
OVERHEAD & PROFIT		1274593.	968642.	2243235.	179182.	109609.	79209.	54493.	1334042.	2610435.
T O T A L		6372865.	4443209.	11216174.	895912.	545044.	396044.	272476.	6689209.	13053174.
FINAL ENGINEERING		254919.	193728.	448647.	34836.	21802.	15842.	16899.	267208.	323127.
SUPERVISION		382374.	290593.	672967.	53755.	32703.	23761.	16349.	403013.	785190.
LAND ACQUISITION		0.	6317550.	6317550.	0.	0.	0.	0.	6317550.	6317550.
COMPENSATION		0.	1972500.	1972500.	0.	0.	0.	0.	1972500.	1972500.
PHYSICAL CONTINGENCY		955945.	1969989.	2925934.	134387.	137714.	59407.	40871.	2301497.	3257442.
TOTAL PROJECT COST		7968207.	15587569.	23553775.	1119890.	737245.	495053.	340593.	17939777.	25905986.

PROJECT COST LIST

CASE# 11-SEWAGE I.D. 14		UNITS 1000RP									
DESCRIPTION	QUANTITY	(1) F.C	(2) L.C	SUBTOTAL (1)+(2)	(3) TAX	(4) PPN	(5)IMPORT DUTY	(6) SURSIDY	(7)LCYTOTAL (2+3+4+5)	(8) TOTAL (1)+(7)	
WDR ITEM 1	0	7117	5124	12441	897	600	503	362	7124	16441	
WDR ITEM 2	0	29771	20475	49765	3588	2401	2012	1446	24695	37765	
SUB TOTAL		36888	25619	62206	4485	3001	2515	1808	35619	72204	
WDR ITEM 3	18104	0	0	18104	0	0	0	0	18104	18104	
WDR ITEM 4	20	12	135	152	0	0	0	0	152	152	
WDR ITEM 5	0	0	0	0	0	0	0	0	0	0	
WDR ITEM 6	0	0	0	0	0	0	0	0	0	0	
WDR ITEM 7	0	0	0	0	0	0	0	0	0	0	
WDR ITEM 8	0	0	0	0	0	0	0	0	0	0	
WDR ITEM 9	44706	5899	34063	104953	5771	4980	8367	2579	55117	124007	
WDR ITEM 10	21736	176263	94778	271621	985	12267	3481	16131	113971	290815	
WDR ITEM 11	0	0	0	0	0	0	0	0	0	0	
WDR ITEM 12	4374	2490	1479	4177	15	180	320	190	2101	4694	
WDR ITEM 13	18422	76401	34154	110956	27301	5907	1032	387	61394	138194	
SUB TOTAL		324572	160908	490950	27025	23405	15791	17359	235289	559317	
WDR ITEM 14	0	0	0	0	0	0	0	0	0	0	
WDR ITEM 15	37	1704	2542	3446	649	193	18	4	3462	4306	
WDR ITEM 16	0	0	0	0	0	0	0	0	0	0	
WDR ITEM 17	0	0	0	0	0	0	0	0	0	0	
WDR ITEM 18	0	0	0	0	0	0	0	0	0	0	
WDR ITEM 19	0	0	0	0	0	0	0	0	0	0	
WDR ITEM 20	0	0	0	0	0	0	0	0	0	0	
WDR ITEM 21	640	5011	16325	21336	3694	1135	166	19	21521	26531	
WDR ITEM 22	614	13247	34012	41259	4546	2691	583	68	49831	63074	
WDR ITEM 23	0	0	0	0	0	0	0	0	0	0	
WDR ITEM 24	6	134	455	591	101	31	4	0	591	727	
WDR ITEM 25	6	132	1041	1199	235	74	11	1	1379	1379	
SUB TOTAL		19735	58595	78330	13225	4124	781	93	76725	96560	
WDR ITEM 26	11552	1326	1094	2420	0	109	243	77	1454	2781	
WDR ITEM 27	2548	13552	8350	21701	61	970	482	818	9872	23223	
WDR ITEM 28	4136	57133	42094	105232	9192	5149	3927	6835	64362	123500	
WDR ITEM 29	1120	16585	10946	27531	2512	1352	1103	801	15913	32494	
WDR ITEM 30	0	0	0	0	0	0	0	0	0	0	
WDR ITEM 31	10138	981	1199	2180	152	105	213	10	1666	2650	
WDR ITEM 32	0	0	0	0	0	0	0	0	0	0	
WDR ITEM 33	1770	276	296	572	35	27	68	5	406	682	
SUB TOTAL		89641	69976	159636	11960	7722	6016	6546	95074	185336	
WDR ITEM 34	0	0	0	0	0	0	0	0	0	0	

PROJECT COST LIST

CASE# 11-SEWAGE I.D. 14		UNITS 1000RP									
DESCRIPTION	QUANTITY	(1) F.C	(2) L.C	SUBTOTAL (1)+(2)	(3) TAX	(4) PPN	(5)IMPORT DUTY	(6) SURSIDY	(7)LCYTOTAL (2+3+4+5)	(8) TOTAL (1)+(7)	
WDR ITEM 35	0	0	0	0	0	0	0	0	0	0	
WDR ITEM 36	0	0	0	0	0	0	0	0	0	0	
SUB TOTAL		0	0	0	0	0	0	0	0	0	
WDR ITEM 37	0	0	0	0	0	0	0	0	0	0	
WDR ITEM 38	653	664	2883	3527	279	171	2	0	3335	3979	
WDR ITEM 39	11112	174	967	1145	22	53	0	22	1041	1219	
WDR ITEM 40	557	7771	7415	9487	421	455	2021	6	5312	12585	
WDR ITEM 41	1229	11881	940	12467	42	572	2210	64	3803	13484	
WDR ITEM 42	1228	985	7010	3001	491	157	37	4	2702	3686	
WDR ITEM 43	0	0	0	0	0	0	0	0	0	0	
WDR ITEM 44	0	0	0	0	0	0	0	0	0	0	
WDR ITEM 45	4	31	6075	4434	920	250	1	0	1775	3494	
WDR ITEM 46	0	0	0	0	0	0	0	0	0	0	
WDR ITEM 47	618	82	299	180	53	19	30	4	401	481	
WDR ITEM 48	34	13434	29784	43218	5356	3084	6640	1	44868	78100	
WDR ITEM 49	0	0	0	0	0	0	0	0	0	0	
WDR ITEM 50	0	0	0	0	0	0	0	0	0	0	
WDR ITEM 51	0	0	0	0	0	0	0	0	0	0	
WDR ITEM 52	0	0	0	0	0	0	0	0	0	0	
SUB TOTAL		54369	43948	98256	7584	4703	10441	109	87735	121544	
SUB-TOTAL		524414	167205	891618	64278	43015	38044	75918	510642	1034950	
OVERHEAD AND PROFIT		131703	51801	222905	16070	10734	9011	6479	127638	258739	
T. T. A. L.		655517	459006	1114524	80348	53749	45053	32395	638778	1293699	
FINAL ENGINEERING		26221	18360	44581	3214	2151	1802	1294	25227	51768	
SUPERVISION		39331	27540	66871	4821	3226	2703	1944	34291	77622	
LAND ACQUISITION		0	945725	945725	0	0	0	0	945725	945725	
COMPENSATION		0	499200	499200	0	0	0	0	499200	499200	
PHYSICAL ENGINEERING		98328	285590	383917	12052	17819	6758	4859	322219	420646	
TOTAL PROJECT COST		819397	2235621	3054818	100434	76965	56319	40194	2469139	3288536	

CASE# 13-SEGMENT NO. 15		UNIT 100PP									
DESCRIPTION	QUANTITY	(1) F.C	(2) L.C	SUBTOTAL (1)+(2)	(3) TAX	(4) PPN	(5) IMPORT DUTY	(6) SUBSIDY	(7) LOCAL (2)+(4)+(5)	(8) TOTAL (1)+(7)	
WORK ITEM 1	0.	55570.	47823.	103393.	8305.	5026.	3739.	1340.	84804.	120464.	
WORK ITEM 2	0.	222280.	191293.	413573.	33222.	20104.	14536.	5360.	259376.	481854.	
SUB TOTAL		277850.	239116.	516966.	1527.		18695.	6700.	374476.	602320.	
WORK ITEM 3	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 4	547.	457.	3480.	4146.	28.	184.	0.	0.	5905.	4367.	
WORK ITEM 5	75285.	64927.	34403.	99226.	301.	4470.	8281.	4216.	47466.	112287.	
WORK ITEM 6	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 7	30.	1129.	618.	1747.	8.	79.	0.	110.	764.	1834.	
WORK ITEM 8	2150.	34611.	21577.	56188.	6990.	2843.	0.	460.	37902.	67513.	
WORK ITEM 9	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 10	13860.	111444.	8188.	123310.	820.	7819.	3070.	9020.	73932.	185372.	
WORK ITEM 11	57717.	49437.	28009.	76244.	231.	3441.	0.	3750.	34802.	86434.	
WORK ITEM 12	1848.	1151.	632.	1783.	0.	81.	0.	81.	855.	2004.	
WORK ITEM 13	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
SUB TOTAL		263251.	149214.	412465.	8198.	18930.	20225.	17210.	194567.	459818.	
WORK ITEM 14	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 15	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 16	168.	7863.	17190.	25060.	4368.	1324.	177.	42.	29064.	30929.	
WORK ITEM 17	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 18	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 19	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 20	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 21	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 22	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 23	168.	4892.	13367.	18259.	3010.	957.	232.	27.	17560.	22454.	
WORK ITEM 24	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 25	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
SUB TOTAL		12755.	30564.	43319.	7378.	2281.	410.	69.	49652.	53387.	
WORK ITEM 26	86470.	10376.	8361.	18937.	81.	835.	1902.	805.	11370.	21257.	
WORK ITEM 27	28360.	138126.	86302.	224508.	433.	1033.	4984.	8462.	107128.	240254.	
WORK ITEM 28	5328.	194352.	432458.	626810.	79822.	44215.	34303.	43989.	516297.	1072881.	
WORK ITEM 29	19879.	289852.	191309.	481162.	43904.	23627.	19285.	13992.	274116.	567968.	
WORK ITEM 30	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 31	86470.	8388.	10203.	18591.	1297.	895.	1816.	86.	14211.	22399.	
WORK ITEM 32	16491.	1600.	1995.	3595.	247.	173.	346.	16.	2762.	4362.	
WORK ITEM 33	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
SUB TOTAL		944541.	716096.	1660638.	125964.	80397.	62433.	63151.	984892.	1929434.	
WORK ITEM 34	0.	1775725.	903398.	2679123.	124389.	126248.	86125.	8286.	1242160.	3017885.	

CASE# 13-SEGMENT NO. 15		UNIT 100PP									
DESCRIPTION	QUANTITY	(1) F.C	(2) L.C	SUBTOTAL (1)+(2)	(3) TAX	(4) PPN	(5) IMPORT DUTY	(6) SUBSIDY	(7) LOCAL (2)+(4)+(5)	(8) TOTAL (1)+(7)	
WORK ITEM 35	928.	428400.	1184901.	1611301.	245566.	83559.	43507.	493.	1517055.	1643937.	
WORK ITEM 36	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
SUB TOTAL		2202125.	2088299.	4290424.	371953.	209807.	109034.	6770.	2779693.	4981514.	
WORK ITEM 37	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 38	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 39	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 40	1452.	24187.	8028.	32210.	1400.	1512.	6721.	26.	17662.	41463.	
WORK ITEM 41	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 42	0.	7459.	15271.	22729.	3720.	1190.	279.	0.	27661.	27919.	
WORK ITEM 43	3440.	5132.	2108.	8138.	1524.	2164.	493.	0.	11164.	10301.	
WORK ITEM 44	30.	0.	1991.	2087.	395.	112.	0.	0.	7504.	2594.	
WORK ITEM 45	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 46	0.	77.	9371.	9398.	3157.	485.	0.	0.	13145.	13122.	
WORK ITEM 47	0.	463.	2424.	3087.	430.	158.	0.	0.	3255.	3419.	
WORK ITEM 48	4379.	154184.	137533.	291910.	24731.	14249.	10842.	0.	207176.	361562.	
WORK ITEM 49	12.	89999.	21362.	111361.	2197.	520.	18662.	0.	42210.	139220.	
WORK ITEM 50	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 51	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 52	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
SUB TOTAL		281993.	264038.	466031.	40194.	23680.	26371.	114.	324486.	606481.	
SUB-TOTAL		5923514.	3427377.	7409891.	595210.	340228.	267766.	96037.	4657742.	11632587.	
OVERHEAD AND PROFIT		995629.	856832.	1852461.	148805.	90057.	64992.	24067.	1169444.	2158315.	
TOTAL		4978145.	4284159.	9262304.	744024.	450285.	134946.	120037.	5813424.	10791573.	
FIELD ENGINEERING		199126.	171366.	370492.	29761.	18011.	13398.	471.	232537.	431663.	
SUPERVISION		298689.	257050.	555738.	44641.	0.	0.	0.	540190.	540909.	
LAND ACQUISITION		0.	5409900.	5409900.	0.	0.	0.	0.	2124900.	2124900.	
COMPENSATION		746722.	1772844.	2519566.	111604.	118403.	50244.	18068.	2053094.	2799816.	
PHYSICAL CONTINGENCY		6222681.	14020218.	20242900.	930030.	613716.	418701.	150047.	15982665.	22205346.	
TOTAL PROJECT COST											

CASE# 1)-SEGMENT NO. 1A		UNITS 1000PP									
DESCRIPTION	QUANTITY	(1) P.C	(2) L.C	SUBTOTAL (1)+(2)	(3) TAX	(4) PPH	(5) IMPORT DUTY	(6) SUBSIDY	(7) LC/TOTAL (2)+(4)+(5)	(8) TOTAL (1)+(7)	
LCR ITEM 1	0	120372	92427	212799	13399	10654	8701	2872	124781	236114	
LCR ITEM 2	0	51733	164128	215861	61995	42616	14803	11508	507125	1024455	
SLR TOTAL		646662	460133	1106797	78994	53271	43507	14385	631906	1280564	
LCR ITEM 3	0	11474	4154	2667	625	21	299	705	268	3492	
LCR ITEM 4	0	80	67	147	606	5	27	0	271	639	
LCR ITEM 5	0	26546	31461	16699	46160	146	2174	4019	2048	23036	
LCR ITEM 6	0	0	0	0	0	0	0	0	0	0	
LCR ITEM 7	0	29	1092	507	1689	0	74	0	107	681	
LCR ITEM 8	0	370	9179	4721	14876	1255	754	394	122	8723	
LCR ITEM 9	0	78337	56459	29555	26144	46889	46817	68412	21139	451673	
LCR ITEM 10	0	249550	991493	548005	156298	5525	69565	33804	20224	657259	
LCR ITEM 11	0	0	0	0	0	0	0	0	0	0	
LCR ITEM 12	0	43239	26981	14780	41769	130	1885	3200	1908	20003	
LCR ITEM 13	0	71077	29612	131777	428097	78327	22789	3980	1493	236873	
SLR TOTAL		1925339	1014947	2947286	132945	138386	114514	107331	1602812	3328151	
LCR ITEM 14	0	0	0	0	0	0	0	0	0	0	
LCR ITEM 15	0	0	0	0	0	0	0	0	0	0	
LCR ITEM 16	0	31	1451	3173	4624	886	244	33	8	4256	
LCR ITEM 17	0	0	0	0	0	0	0	0	0	0	
LCR ITEM 18	0	0	0	0	0	0	0	0	0	0	
LCR ITEM 19	0	0	0	0	0	0	0	0	0	0	
LCR ITEM 20	0	0	0	0	0	0	0	0	0	0	
LCR ITEM 21	0	0	0	0	0	0	0	0	0	0	
LCR ITEM 22	0	0	0	0	0	0	0	0	0	0	
LCR ITEM 23	0	2320	67556	184593	252149	41563	15217	3209	371	242582	
LCR ITEM 24	0	0	0	0	0	0	0	0	0	0	
LCR ITEM 25	0	0	0	0	0	0	0	0	0	0	
SLB TOTAL		49007	187766	256773	42369	13461	3241	379	24683	315845	
LCR ITEM 26	0	77059	9267	7829	18876	54	762	1685	539	10140	
LCR ITEM 27	0	21845	11800	6929	18092	507	8127	3996	6788	81923	
LCR ITEM 28	0	45938	422725	360062	287837	68815	38349	28490	36199	494827	
LCR ITEM 29	0	15588	200138	132089	332227	30315	16314	13310	9601	192036	
LCR ITEM 30	0	1722	8794	12420	21216	2378	1062	870	117	16736	
LCR ITEM 31	0	78724	7636	9289	16924	1181	815	1653	79	12938	
LCR ITEM 32	0	9600	931	1162	2093	144	101	202	10	1608	
LCR ITEM 33	0	2338	365	390	755	47	36	63	7	536	
SUB TOTAL		785688	592333	1358021	103441	65766	51196	53399	812736	1578624	
LCR ITEM 34	0	482898	3382236	8212134	55217	394531	220640	20917	4592624	9382522	

CASE# 1)-SEGMENT NO. 1A		UNITS 1000PP									
DESCRIPTION	QUANTITY	(1) P.C	(2) L.C	SUBTOTAL (1)+(2)	(3) TAX	(4) PPH	(5) IMPORT DUTY	(6) SUBSIDY	(7) LC/TOTAL (2)+(4)+(5)	(8) TOTAL (1)+(7)	
LCR ITEM 35	0	165771	460653	626424	95468	32485	9159	192	597745	763514	
LCR ITEM 36	0	0	0	0	0	0	0	0	0	0	
SLR TOTAL		4995469	3847899	8843368	450685	427016	229779	30109	5150369	10146034	
LCR ITEM 37	0	0	0	0	0	0	0	0	0	0	
LCR ITEM 38	0	3372	5102	22871	27980	2211	1359	18	64	24456	
LCR ITEM 39	0	44548	1333	7357	2709	149	400	0	169	7929	
LCR ITEM 40	0	1770	2111	7675	31784	1372	1445	6473	19	1488	
LCR ITEM 41	0	4300	3137	2630	38000	112	1535	5413	179	17211	
LCR ITEM 42	0	14358	11519	25576	35091	5743	1858	431	43	31587	
LCR ITEM 43	0	140	23	377	414	101	32	9	1	519	
LCR ITEM 44	0	311	24	554	175	30	1	1	697	692	
LCR ITEM 45	0	67	9216	6271	1819	510	4	0	11551	11613	
LCR ITEM 46	0	57	4214	4261	2104	177	1	2	4696	4748	
LCR ITEM 47	0	4386	587	2148	2733	381	140	210	78	2883	
LCR ITEM 48	0	285172	754043	339216	45682	26340	36610	17	367882	667851	
LCR ITEM 49	0	52499	12441	64960	2448	3033	10070	0	27712	81212	
LCR ITEM 50	0	455362	144110	601479	24083	28648	100919	0	317591	763220	
LCR ITEM 51	0	0	0	0	0	0	0	0	0	0	
LCR ITEM 52	0	0	0	0	0	0	0	0	0	0	
SUB TOTAL		866462	495198	1361660	97120	65845	181359	578	439322	1705781	
SUB-TOTAL		926827	6453248	15864095	110374	763545	623596	206178	9045983	18354871	
OVERHEAD AND PROFIT		2317207	1448817	3966024	275893	190864	135899	51545	2271496	4368702	
TOTAL		11586933	8744085	19830119	1379467	954431	779495	257723	11357679	22943512	
FINAL ENGINEERING		483441	329783	793205	55179	38177	31180	10309	454299	917749	
SUPERVISION		695162	494645	1189807	82748	57266	46770	15663	881669	1376611	
LAND ACQUISITION		0	5170325	5170325	0	0	0	0	5170325	5170325	
CEMENTATION		0	2889500	2889500	0	0	0	0	2889500	2889500	
PHYSICAL CONTINGENCY		1737905	2445587	4183492	206920	197569	116924	32659	2966999	4704904	
TOTAL PROJECT COST		14482542	19573905	34056447	1724334	1247643	974369	322154	23527551	38002593	

PROJECT COST LIST

CASE# 1)-SEGMENT NO. 17

UNIT: 1000R

DESCRIPTION	QUANTITY	(1) F.C	(2) L.C	SUBTOTAL (1)+(2)	(3) TAX	(4) PPN	(5) IMPORT DUTY	(6) SURSTBY	(7) LCTOTAL (2)+(3)+(4)+(5)	(8) TOTAL (1)+(7)
WDRP ITEM 1	0	17992	15152	33144	2542	1606	1116	487	27422	38410
WDRP ITEM 2	0	71992	67610	139602	10148	6625	4441	1930	161646	175606
SUB TOTAL		89984	72762	162746	12290	8231	5557	2613	182762	199052
WDRP ITEM 3	14196	834	497	1331	4	60	142	56	703	1361
WDRP ITEM 4	0	0	0	0	0	0	0	0	0	0
WDRP ITEM 5	180	152	82	234	1	11	20	10	113	207
WDRP ITEM 6	0	0	0	0	0	0	0	0	0	0
WDRP ITEM 7	4	151	82	233	2	11	20	10	113	207
WDRP ITEM 8	0	0	0	0	0	0	0	0	0	0
WDRP ITEM 9	54924	74431	39048	113479	4198	5395	9643	2794	127515	138964
WDRP ITEM 10	54150	189414	104843	294257	1062	13290	6659	15343	325562	315022
WDRP ITEM 11	0	0	0	0	0	0	0	0	0	0
WDRP ITEM 12	2354	5937	3199	9136	28	648	692	417	10272	10164
WDRP ITEM 13	19438	83295	37022	121317	21906	6359	1730	419	149717	149717
SUB TOTAL		354230	164774	519004	29293	25573	17473	19034	557113	611343
WDRP ITEM 14	0	0	0	0	0	0	0	0	0	0
WDRP ITEM 15	40	1791	2748	3942	702	209	19	5	1078	4077
WDRP ITEM 16	0	0	0	0	0	0	0	0	0	0
WDRP ITEM 17	0	0	0	0	0	0	0	0	0	0
WDRP ITEM 18	0	0	0	0	0	0	0	0	0	0
WDRP ITEM 19	0	0	0	0	0	0	0	0	0	0
WDRP ITEM 20	0	0	0	0	0	0	0	0	0	0
WDRP ITEM 21	716	3434	17927	23363	4007	1232	180	21	25347	26781
WDRP ITEM 22	446	14368	4231	15400	9269	2919	632	74	24051	24922
WDRP ITEM 23	0	0	0	0	0	0	0	0	0	0
WDRP ITEM 24	7	133	531	669	118	36	4	1	892	864
WDRP ITEM 25	7	395	1237	1632	224	86	12	2	1999	2008
SUB TOTAL		21551	63675	85226	14370	4482	840	101	85376	104928
WDRP ITEM 26	11948	1439	1187	2625	8	119	26	8	1577	3018
WDRP ITEM 27	2764	14683	9058	23541	66	1062	522	87	17709	25192
WDRP ITEM 28	6656	61981	32170	116150	3921	5385	4240	5245	121986	133964
WDRP ITEM 29	1272	17993	19879	29878	2726	1407	1198	869	17271	35269
WDRP ITEM 30	0	0	0	0	0	0	0	0	0	0
WDRP ITEM 31	10942	1065	1296	2361	165	114	23	11	1205	2870
WDRP ITEM 32	0	0	0	0	0	0	0	0	0	0
WDRP ITEM 33	1917	299	320	619	38	30	52	6	647	739
SUB TOTAL		97266	75909	173175	12975	8377	6520	7102	193787	201052
WDRP ITEM 34	0	668610	639409	1308019	106826	63387	37474	5817	1409606	1540425

PROJECT COST LIST

CASE# 1)-SEGMENT NO. 17

UNIT: 1000R

DESCRIPTION	QUANTITY	(1) F.C	(2) L.C	SUBTOTAL (1)+(2)	(3) TAX	(4) PPN	(5) IMPORT DUTY	(6) SURSTBY	(7) LCTOTAL (2)+(3)+(4)+(5)	(8) TOTAL (1)+(7)
WDRP ITEM 35	0	0	0	0	0	0	0	0	0	0
WDRP ITEM 36	0	0	0	0	0	0	0	0	0	0
SUB TOTAL		668610	639409	1308019	106826	63387	37474	5817	1409606	1540425
WDRP ITEM 37	0	0	0	0	0	0	0	0	0	0
WDRP ITEM 38	488	402	1119	1521	302	185	4	0	1609	4302
WDRP ITEM 39	17045	101	7048	12471	24	57	4	24	1125	1322
WDRP ITEM 40	683	7873	2614	10487	456	492	2186	7	5751	13624
WDRP ITEM 41	1331	12452	9041	13715	45	619	2393	69	4111	16771
WDRP ITEM 42	1332	1061	2187	3253	333	170	40	6	2931	3990
WDRP ITEM 43	0	0	0	0	0	0	0	0	0	0
WDRP ITEM 44	0	0	0	0	0	0	0	0	0	0
WDRP ITEM 45	4	31	4605	4636	920	750	3	0	5773	5808
WDRP ITEM 46	0	0	0	0	0	0	0	0	0	0
WDRP ITEM 47	1892	89	324	412	57	21	33	4	435	524
WDRP ITEM 48	16	55401	31536	46937	5679	3207	7631	1	47505	42004
WDRP ITEM 49	0	0	0	0	0	0	0	0	0	0
WDRP ITEM 50	0	0	0	0	0	0	0	0	0	0
WDRP ITEM 51	0	0	0	0	0	0	0	0	0	0
WDRP ITEM 52	0	0	0	0	0	0	0	0	0	0
SUB TOTAL		58004	46494	104498	8008	5063	11886	118	71252	129256
SUB-TOTAL		1289456	1086031	2375487	182182	115113	79539	34579	1462888	2732744
OVERHEAD AND PROFIT		322466	271508	593972	45544	28778	19890	6445	105221	681186
TOTAL		1612320	1357539	2969459	227728	143891	99449	43724	1821600	3440928
FINAL ENGINEERING		64493	54302	118794	9109	5756	3978	1729	73144	137637
SUPPLEMENTAL		96739	81452	178192	13664	8633	5967	2593	109716	206456
LAND ACQUISITION		0	1024525	1024525	0	0	0	0	1024525	1024525
COMPENSATION		0	540800	540800	0	0	0	0	540800	540800
PHYSICAL CONTINGENCY		241848	638430	880278	34559	32150	14917	6484	519656	761504
TOTAL PROJECT COST		2015400	3497047	5512448	284659	190430	124312	54030	4096449	6111849

PROJECT COST LIST

PAGE = 36

CASE# 33-SUBELEMENT NO. 18		UNITS: 1000RP									
DESCRIPTION	QUANTITY	(1) F.C	(2) L.C	SUBTOTAL (1)+(2)	(3) TAX	(4) PPM	(5) IMPORT DUTY	(6) SUBSIDY	(7) LOCAL (2+3+4+5)	(8) TOTAL (1)+(7)	
WORK ITEM 1	0	61580	52408	113987	8051	5510	4432	2022	71695	182385	
WORK ITEM 2	0	247556	209993	457547	32206	22039	17746	11990	281978	529522	
SUB TOTAL		309136	262401	571534	40257	27549	22175	14862	352473	664935	
WORK ITEM 3	131372	776	4596	12344	39	557	1113	49	1506	18254	
WORK ITEM 4	0	0	0	0	0	0	0	0	0	0	
WORK ITEM 5	800	469	366	1054	0	0	0	45	504	1199	
WORK ITEM 6	0	0	0	0	0	0	0	0	0	0	
WORK ITEM 7	0	0	0	0	0	0	0	0	0	0	
WORK ITEM 8	0	0	0	0	0	0	0	0	0	0	
WORK ITEM 9	261375	205745	154819	455655	26562	21381	53616	11073	234597	532344	
WORK ITEM 10	661267	1488326	223828	2312134	5186	104423	30743	12040	987359	2479885	
WORK ITEM 11	0	0	0	0	0	0	0	0	0	0	
WORK ITEM 12	52278	32621	17879	50501	157	2280	3869	2310	24184	50804	
WORK ITEM 13	66492	272205	129276	491481	73276	29339	3726	1396	221593	498798	
SUB TOTAL		2102336	1124744	3227080	106659	150007	95273	132774	1474745	3579079	
WORK ITEM 14	1325	7268	19000	262778	44922	1389	1131	76	252196	324837	
WORK ITEM 15	250	765	17177	24635	4386	1306	121	40	2299	30447	
WORK ITEM 16	136	6772	13716	19988	3484	1054	141	55	14598	24679	
WORK ITEM 17	30	12852	49746	62598	11266	3326	143	19	64517	77569	
WORK ITEM 18	0	0	0	0	0	0	0	0	0	0	
WORK ITEM 19	30	21652	81962	103616	18563	3427	371	49	164323	128023	
WORK ITEM 20	0	0	0	0	0	0	0	0	0	0	
WORK ITEM 21	250	1899	6260	8158	1399	430	43	7	9152	10050	
WORK ITEM 22	5325	7175	70584	277581	46277	14576	3155	160	267651	343587	
WORK ITEM 23	0	0	0	0	0	0	0	0	0	0	
WORK ITEM 24	36	769	2593	3362	575	176	21	2	3351	4110	
WORK ITEM 25	36	1916	4030	7926	1330	432	56	7	7636	9731	
SUB TOTAL		197240	573385	770626	134239	40719	5234	770	753506	950337	
WORK ITEM 26	69115	9974	8228	18202	56	822	1829	582	14937	20911	
WORK ITEM 27	20074	105189	65782	170970	482	2715	3794	6444	7774	182961	
WORK ITEM 28	62663	663834	133563	817420	71899	39997	10204	37538	515683	959321	
WORK ITEM 29	9040	133739	88247	222006	20257	10902	8898	6454	124324	262064	
WORK ITEM 30	0	0	0	0	0	0	0	0	0	0	
WORK ITEM 31	78128	7578	9219	16798	1172	409	1641	78	12660	20419	
WORK ITEM 32	0	0	0	0	0	0	0	0	0	0	
WORK ITEM 33	0575	1494	1599	3093	192	148	259	29	2197	3691	
SUB TOTAL		701811	516678	1218489	93560	60392	46924	51147	747555	1469366	
WORK ITEM 34	0	755307	1007891	1763198	158463	86475	67920	9791	1329749	2076056	

PROJECT COST LIST

PAGE = 37

CASE# 33-SUBELEMENT NO. 18		UNITS: 1000RP									
DESCRIPTION	QUANTITY	(1) F.C	(2) L.C	SUBTOTAL (1)+(2)	(3) TAX	(4) PPM	(5) IMPORT DUTY	(6) SUBSIDY	(7) LOCAL (2+3+4+5)	(8) TOTAL (1)+(7)	
WORK ITEM 35	0	0	0	0	0	0	0	0	0	0	
WORK ITEM 36	0	0	0	0	0	0	0	0	0	0	
SUB TOTAL		755307	1007891	1763198	158463	86475	67920	9791	1329749	2076056	
WORK ITEM 37	265	2334	2512	4847	651	267	218	36	1620	3741	
WORK ITEM 38	1318	1597	7166	8763	691	625	0	20	3627	9864	
WORK ITEM 39	53823	861	4683	5544	108	254	0	108	5043	5906	
WORK ITEM 40	9378	122449	40854	163102	7090	7659	34033	103	87435	211883	
WORK ITEM 41	6649	63205	5299	68905	226	3093	11955	346	27573	83778	
WORK ITEM 42	15288	10665	21835	32500	5319	1702	399	40	27255	39920	
WORK ITEM 43	240	358	566	924	151	68	16	1	779	1137	
WORK ITEM 44	0	0	0	0	0	0	0	0	0	0	
WORK ITEM 45	12	92	13814	13907	2759	750	0	0	17326	17418	
WORK ITEM 46	0	0	0	0	0	0	0	0	0	0	
WORK ITEM 47	3740	679	1750	2229	310	114	176	22	2351	2830	
WORK ITEM 48	170	167170	148922	316091	26779	15429	33201	7	224331	391300	
WORK ITEM 49	0	0	0	0	0	0	0	0	0	0	
WORK ITEM 50	0	0	0	0	0	0	0	0	0	0	
WORK ITEM 51	0	0	0	0	0	0	0	0	0	0	
WORK ITEM 52	0	0	0	0	0	0	0	0	0	0	
SUB TOTAL		369209	247181	616391	44085	29721	80003	682	410991	770200	
SUB-TOTAL		4455347	3762372	8197718	577024	394863	517840	213026	5052106	9487453	
OVERHEAD AND PROFIT		1108837	940593	2049430	144256	98716	79462	53256	1201027	2371863	
T O T A L		5564185	4702964	10247148	721280	493579	397310	266282	6315133	11659316	
FINAL ENGINEERING		221767	188119	409886	28831	19743	15897	10651	252105	474773	
SUPERVISION		332651	282178	614829	43277	29615	23839	15977	378908	711559	
LAND ACQUISITION		0	558050	558050	0	0	0	0	558050	558050	
COMPENSATION		0	2280500	2280500	0	0	0	0	2280500	2280500	
PHYSICAL CONTINGENCY		831627	1881227	2712854	108192	126947	59396	39942	2175963	3067590	
TOTAL PROJECT COST		6930229	14895038	21823268	901599	669884	496837	332853	16961151	23891388	

PROJECT COST LIST

CASE# 11-SEGMENT NO. 19		UNIT: 1000R									
DESCRIPTION	QUANTITY	(1) F.C	(2) L.C	SUBTOTAL (1)+(2)	(3) TAX	(4) PPN	(5)IMPORT DUTY	(6) SURSIDY	(7)LCCTOTAL (2+3+4+5)	(8) TOTAL (1+7)	
WORK ITEM 1	0.	73107.	53819.	126926.	9161.	6124.	4231.	2862.	21855.	146942.	
WORK ITEM 7	0.	292427.	215275.	507704.	36645.	24496.	18926.	11267.	295349.	587769.	
SUB TOTAL		365536.	269094.	634631.	45807.	30620.	23655.	14069.	369175.	734712.	
WORK ITEM 3	6070.	355.	211.	566.	2.	26.	60.	23.	297.	653.	
WORK ITEM 4	2.	76559.	53411.	129769.	15266.	6526.	0.	0.	75223.	151554.	
WORK ITEM 5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 6	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 7	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 8	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 9	264514.	391215.	204735.	596011.	32490.	28283.	47606.	14667.	512972.	704187.	
WORK ITEM 10	697154.	1676900.	942187.	2605087.	9466.	117555.	57173.	135723.	1112459.	2729360.	
WORK ITEM 11	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 12	7132.	4457.	2439.	6899.	21.	311.	570.	314.	1209.	7759.	
WORK ITEM 13	144900.	521081.	231731.	752815.	137719.	40075.	6999.	2425.	416545.	937428.	
SUB TOTAL		2670534.	1420796.	4091329.	194946.	192876.	112156.	153332.	1920797.	4591322.	
WORK ITEM 14	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 15	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 16	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 17	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 18	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 19	160.	101067.	362688.	463755.	86535.	25653.	1733.	188.	496409.	592651.	
WORK ITEM 20	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 21	342.	2593.	8563.	11159.	1914.	588.	80.	10.	11152.	13748.	
WORK ITEM 22	4542.	98625.	267424.	380840.	61494.	19995.	4329.	566.	379243.	448668.	
WORK ITEM 23	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 24	46.	1057.	7492.	4531.	775.	239.	20.	3.	4534.	5574.	
WORK ITEM 25	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
SUB TOTAL		2033015.	876967.	800707.	152718.	46473.	6177.	82337.	82337.	1055460.	
WORK ITEM 26	35623.	4275.	3527.	7801.	25.	352.	784.	249.	4688.	8922.	
WORK ITEM 27	6060.	45964.	29192.	73246.	206.	3305.	1623.	270.	33319.	78583.	
WORK ITEM 28	22689.	209418.	176249.	385667.	1689.	18372.	14391.	1721.	243222.	436449.	
WORK ITEM 29	1979.	58607.	38680.	97287.	8877.	4777.	3894.	2829.	54236.	114467.	
WORK ITEM 30	992.	4924.	4953.	11877.	1331.	594.	487.	65.	7366.	14299.	
WORK ITEM 31	37905.	3677.	4473.	8150.	569.	392.	790.	38.	9230.	9904.	
WORK ITEM 32	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 33	2067.	322.	345.	667.	41.	32.	50.	6.	474.	797.	
SUB TOTAL		326287.	258428.	584715.	46738.	28325.	22040.	23670.	35552.	679819.	
WORK ITEM 34	0.	1094930.	922217.	2017147.	159715.	97959.	48203.	8682.	1728094.	2323024.	

PROJECT COST LIST

CASE# 11-SEGMENT NO. 19		UNIT: 1000R									
DESCRIPTION	QUANTITY	(1) F.C	(2) L.C	SUBTOTAL (1)+(2)	(3) TAX	(4) PPN	(5)IMPORT DUTY	(6) SURSIDY	(7)LCCTOTAL (2+3+4+5)	(8) TOTAL (1+7)	
WORK ITEM 35	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 36	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
SUB TOTAL		1094930.	922217.	2017147.	159715.	97959.	48203.	8682.	1728094.	2323024.	
WORK ITEM 37	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 38	4520.	6465.	29942.	35407.	2788.	1719.	23.	82.	33463.	39449.	
WORK ITEM 39	144470.	1715.	9258.	10973.	213.	503.	0.	213.	9974.	11074.	
WORK ITEM 40	4068.	96929.	57149.	121118.	5265.	5687.	25272.	77.	64433.	157347.	
WORK ITEM 41	2390.	2107.	1249.	22873.	75.	1033.	3992.	115.	4869.	27972.	
WORK ITEM 42	0.74.	7117.	14942.	22299.	3650.	1168.	27.	27.	21073.	27399.	
WORK ITEM 43	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 44	7.	22.	442.	471.	92.	26.	1.	1.	584.	602.	
WORK ITEM 45	5.	38.	5750.	5798.	1150.	312.	1.	0.	7219.	7258.	
WORK ITEM 46	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 47	1567.	454.	1670.	2154.	294.	108.	167.	21.	2229.	2684.	
WORK ITEM 48	120.	125867.	117129.	217999.	2143.	11617.	24998.	5.	164908.	206777.	
WORK ITEM 49	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 50	5.	325261.	143363.	468624.	24910.	26453.	22282.	40.	221822.	547084.	
WORK ITEM 51	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 52	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
SUB TOTAL		370165.	369515.	739680.	54618.	42628.	126812.	587.	537574.	1110739.	
SUB-TOTAL		5239354.	3537016.	8776370.	654540.	438887.	359051.	207267.	599510.	10530865.	
OVERHEAD & PROFIT		1309837.	964254.	2274091.	164140.	109720.	84763.	50197.	1322877.	2622716.	
TOTAL		6549191.	4721271.	11370462.	820700.	548602.	423014.	250944.	6614387.	13193582.	
FINAL ESTIMATE		261904.	157851.	419755.	32878.	21944.	16953.	10039.	286575.	526543.	
SHIFTS		192952.	280276.	473228.	49242.	32916.	25429.	15059.	396863.	789815.	
LABOR ACQUISITION		0.	457500.	457500.	0.	0.	0.	0.	457500.	457500.	
CONTRIBUTION		0.	457500.	457500.	0.	0.	0.	0.	457500.	457500.	
PHYSICAL CONTINGENT		982379.	800441.	1842820.	123105.	88467.	63572.	37648.	1135384.	2117964.	
TOTAL PROJECT COST		8196493.	7078838.	15265331.	1025875.	691929.	529768.	313729.	9326410.	17512903.	

CASE# 11-SEGMENT NO. 20		UNIT: 1000PP									
DESCRIPTION	QUANTITY	(1) F.C	(2) L.C	SUBTOTAL (1)+(2)	(3) TAX	(4) PPN	(5) IMPORT DUTY	(6) SUBSIDY	(7) LC TOTAL (2)+(3)+(4)+(5)	(8) TOTAL (1)+(7)	
WDRP ITE 1	0.	22153.	20251.	42582.	4006.	2006.	1175.	1017.	27729.	50059.	
WDRP ITE 2	0.	89327.	81005.	170326.	16023.	8386.	5502.	4069.	110915.	200237.	
S R TOTAL		111480.	101256.	212736.	20029.	10482.	6877.	5084.	138644.	250296.	
WDRP ITE 3	59670.	3527.	7018.	5609.	18.	251.	597.	227.	2956.	6477.	
WDRP ITE 4	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WDRP ITE 5	5386.	4605.	2445.	7051.	21.	318.	589.	300.	1373.	7979.	
WDRP ITE 6	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WDRP ITE 7	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WDRP ITE 8	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WDRP ITE 9	117700.	14241.	65178.	267747.	13505.	1175.	19709.	6089.	137095.	292715.	
WDRP ITE 10	151770.	51062.	282796.	793703.	7878.	35846.	17612.	41331.	343938.	862868.	
WDRP ITE 11	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WDRP ITE 12	10699.	12787.	4734.	19022.	59.	859.	1457.	866.	9109.	21394.	
WDRP ITE 13	61200.	25514.	113465.	348609.	67442.	19622.	3427.	1285.	203957.	459099.	
S R TOTAL		94005.	592655.	1647339.	85024.	68655.	43193.	50118.	689427.	1637511.	
WDRP ITE 14	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WDRP ITE 15	115.	3631.	7972.	11332.	2018.	601.	53.	14.	13575.	14008.	
WDRP ITE 16	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WDRP ITE 17	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WDRP ITE 18	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WDRP ITE 19	150.	10825.	467819.	518068.	92718.	27885.	1857.	201.	531067.	640124.	
WDRP ITE 20	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WDRP ITE 21	1643.	12687.	41188.	53676.	9207.	2830.	419.	48.	53639.	60128.	
WDRP ITE 22	1510.	15010.	94719.	127729.	21295.	6706.	1452.	170.	124172.	157182.	
WDRP ITE 23	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WDRP ITE 24	16.	361.	1215.	1576.	270.	83.	10.	1.	1577.	1938.	
WDRP ITE 25	16.	902.	2828.	3730.	624.	196.	3.	3.	4678.	4580.	
S R TOTAL		158652.	557660.	716111.	126130.	37901.	3817.	437.	725508.	883960.	
WDRP ITE 26	27346.	3305.	2726.	6031.	19.	272.	600.	193.	3624.	6929.	
WDRP ITE 27	4395.	5374.	20819.	34083.	152.	2441.	1200.	2038.	24602.	57874.	
WDRP ITE 28	15290.	162185.	119863.	262224.	22904.	12811.	9786.	12069.	163364.	307744.	
WDRP ITE 29	2806.	41103.	27258.	68558.	6258.	3367.	2748.	1994.	39628.	80928.	
WDRP ITE 30	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WDRP ITE 31	25245.	2466.	2979.	5428.	379.	261.	530.	25.	4149.	6598.	
WDRP ITE 32	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WDRP ITE 33	4400.	487.	736.	1423.	88.	68.	119.	13.	1011.	1698.	
S R TOTAL		223190.	174351.	397746.	29799.	19240.	14989.	16312.	238378.	461773.	
WDRP ITE 34	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	

CASE# 11-SEGMENT NO. 20		UNIT: 1000PP									
DESCRIPTION	QUANTITY	(1) F.C	(2) L.C	SUBTOTAL (1)+(2)	(3) TAX	(4) PPN	(5) IMPORT DUTY	(6) SUBSIDY	(7) LC TOTAL (2)+(3)+(4)+(5)	(8) TOTAL (1)+(7)	
WDRP ITE 35	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WDRP ITE 36	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
S R TOTAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	
WDRP ITE 37	4912.	5632.	0708.	11095.	16714.	5972.	5202.	816.	87573.	113897.	
WDRP ITE 38	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WDRP ITE 39	51216.	501.	2718.	3717.	62.	148.	0.	62.	2928.	3427.	
WDRP ITE 40	4591.	59237.	19898.	79829.	1476.	1748.	16657.	50.	45773.	103705.	
WDRP ITE 41	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WDRP ITE 42	141.	245.	5025.	7470.	1224.	392.	92.	9.	4732.	9186.	
WDRP ITE 43	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WDRP ITE 44	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WDRP ITE 45	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WDRP ITE 46	2.	15.	7372.	7389.	440.	125.	0.	0.	7888.	2905.	
WDRP ITE 47	1454.	184.	640.	207.	121.	44.	88.	9.	914.	1100.	
WDRP ITE 48	19.	58351.	36164.	72515.	6142.	3540.	7617.	2.	51466.	89815.	
WDRP ITE 49	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WDRP ITE 50	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WDRP ITE 51	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WDRP ITE 52	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
S R TOTAL		157761.	125414.	283176.	27195.	13967.	29690.	948.	194272.	356033.	
SUB-TOTAL		760364.	1451336.	3151689.	287076.	150244.	98572.	72901.	1987229.	3387572.	
OVERHEAD AND PROFIT		490894.	367814.	742927.	71769.	37561.	24643.	18225.	498807.	896893.	
T C T A L		2600437.	1714170.	3814400.	358845.	187805.	123215.	91126.	2484036.	4484466.	
FINAL F I E E P P I S		80017.	72567.	152584.	14354.	7512.	4929.	3645.	99361.	179379.	
SUPERVISOR		120924.	108850.	228976.	21531.	11268.	7393.	5468.	149042.	249068.	
LABOR ASSISTANT		9.	1500000.	1500000.	0.	0.	0.	0.	1500000.	1500000.	
CLIENT SATIS		7.	600000.	600000.	0.	0.	0.	0.	600000.	600000.	
PHYSICAL COSTS ONLY		390064.	587126.	887190.	53827.	42346.	18482.	13669.	701780.	1001845.	
TOTAL PROJECT COST		2500537.	4682713.	7183250.	448557.	248931.	154019.	113908.	5536220.	8036737.	

Appendix 11.1 ANNUAL WORKING DAY

The existing situation in Indonesia is that the usual working day is 7 hours. However, at construction sites the actual working time is found to range from 7 to 10 hours.

Number of working days in a month

According to the rainfall data, shown in Table 11.1 and 11.2 the number of working days in a month is assumed as follows:

Table 11.1 Number of Working Days in a Month

Month	Dry Season	Rainy Season
	5-10 (6 months)	11-4 (6 months)
Average number of rainy days in a month	6 days	12 days
Working efficiency on a rainy day	65 %	35 %
Number of holidays	5 days	5 days
Number of actual working days in a month	23 days	17 days
Working efficiency in a Month	73% (23/30)	56% (17/30)

Therefore, the working efficiency throughout the year is assumed as follows:

$$\frac{247 \text{ days}}{365} = 67\%$$

Table 11.2 Rainfall Record in the Project Area ^{*1)} (1961 – 1976)

Unit: mm/month

Month Place	1	2	3	4	5	6	7	8	9	10	11	12
Cengkareng	359	279	203	87	88	50	47	40	55	74	83	128
Jakarta *2)	426	355	277	125	113	93	37	43	64	92	123	173
Kemayoran	452	317	219	98	100	49	41	33	39	74	94	132
Cililitan	379	301	247	174	196	62	38	42	75	107	184	195
Average	404	313	237	121	124	64	41	40	58	87	121	157

Table 11.3 Number of Rainy Days in the Project Area ^{*1)} (1961 – 1976)

Unit: days/month

Month Place	1	2	3	4	5	6	7	8	9	10	11	12
Cengkareng	18.9	14.1	11.1	6.8	6.5	3.7	2.2	2.2	3.2	5.4	5.4	8.1
Jakarta *2)	21.1	17.9	16.8	11.2	9.8	6.2	3.2	3.8	4.3	7.8	11.1	14.7
Kemayoran	20.1	15.4	14.1	14.4	8.5	3.9	2.1	4.0	3.7	7.1	9.7	12.9
Cililitan	21.1	18.1	16.6	13.9	12.8	6.3	4.7	4.2	5.9	7.7	12.4	15.6
Average	20.3	16.4	14.7	11.6	9.4	5.0	3.1	3.6	4.3	7.0	9.7	12.8

Notes: *1) Data from Directorate of Meteorology and Geophysics, Department of Communications.

*2) Centre of Jakarta.

Appendix 12.1 DIMENSIONS OF REPRESENTATIVE VEHICLES

<u>Type of Vehicle</u>	<u>Passenger Car</u>	<u>Bus</u>	<u>Truck</u>
<u>Representative Vehicle</u>	<u>TOYOTA CORONA</u>	<u>MERCEDES BENZ</u>	<u>MERCEDES BENZ</u>
	<u>1200</u>	<u>0306</u>	<u>L 911/42</u>
Length (m)	4.260	7.510	4.500
Width (m)	1.645	2.300	2.350
Height (m)	1.395	2.655	2.500
Number of Axles	2	2	2
Number of Wheels	4	6	6
Weight (kg)	1,495		4,200
Loading Capacity	5-passenger	50-passenger	5,100 kg
Size of Tyre	6.45-13	8.25-20	8.25-20
Engine Capacity (cc)	1,968	5,675	5,675
Number of Cylinders	4	6	6
Gross Horsepower	100	130	130
Type of Fuel	Gasoline	Diesel	Diesel
Vehicle Service Life (Year)	10	7	7
Average Year Round Speed (KM.P.H.)	50	40	40

Appendix 12.2 TAX ON SEDAN

The following rate of taxes for sedan have been calculated using the assumptions given below:

	<u>Cost</u>	<u>Tax</u>
- CIF price of the CKD parts	A	
- Import duty 100% of CIF	A	A
- MPO import : 5% of 2A	0.1A	0.1A
- PPN import : 20% of 2.1A	0.42A	0.42A
Sub-total	2.52A	1.52A

It is assumed that the proportions between total assembly material cost and the assembly cost at the manufactures plus general administration/ sales cost including profit and tax will be 70 : 30.

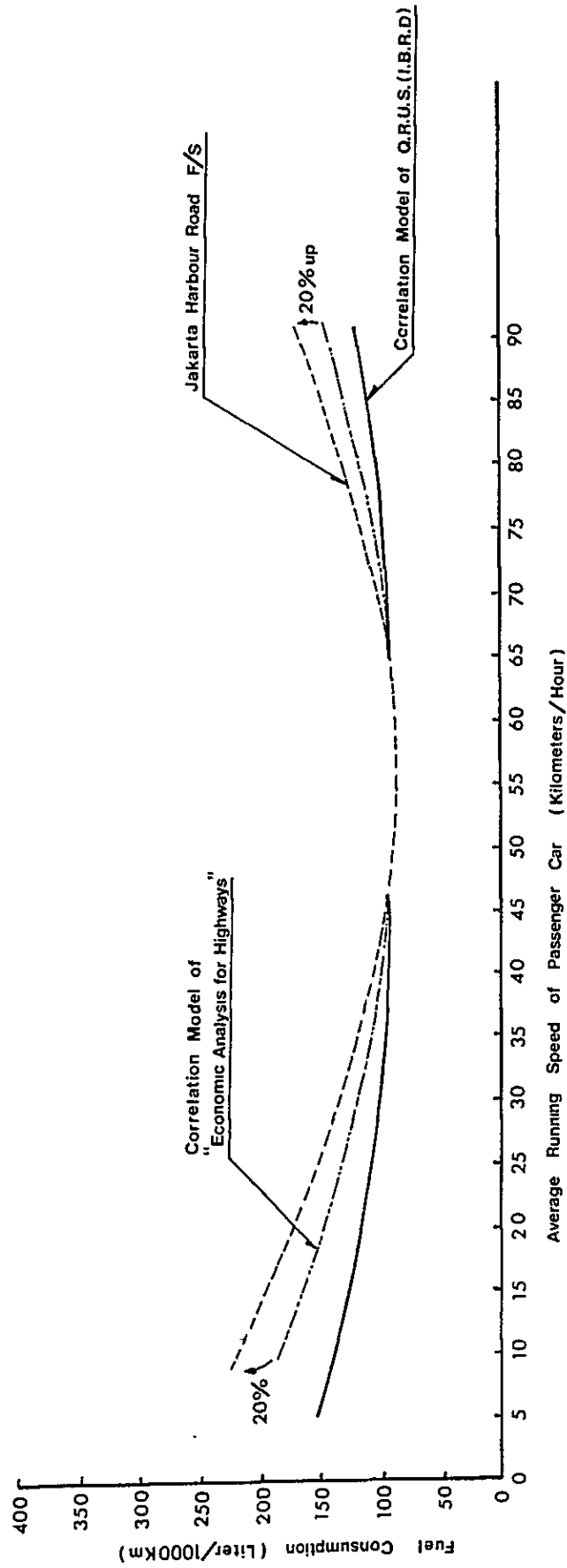
- Material costs and assembly costs : $2.52A \div 0.7 = 3.60A$
- Assembly costs : $3.60A - 2.52A = 1.08A$

It is assumed that the average net profit on the sales amount is at 12%, and the corporate tax at 45.5%.

- PPS : $3.60A \times 0.12 \times 0.455$		0.197A
- PPN DN : $3.60A \times 0.2$	0.72A	0.72A
Sub-total	1.80A	0.917A
- MPO WAPU : 2% of above sub-total	0.086A	0.086A
Total:	4.406A	2.523A (Tax Total)

Rate of Tax is : $2.523A/4.406A = 0.573$

Appendix 12.3 PASSENGER CAR FUEL CONSUMPTION BY SPEED ON LEVEL TANGENT ROAD



Appendix 12.4 EQUATIONS FOR VEHICLE OPERATING COST ESTIMATES

a. Equation of Fuel Consumption

$$\begin{aligned} \text{Passenger Car 2000} & : Y = 0.05865 S^2 - 6.50197 S + 269.02157 \\ \text{Bus} & : Y = 0.14461 S^2 - 16.10285 S + 636.50343 \\ \text{Truck} & : Y = 0.13485 S^2 - 15.12463 S + 592.60931 \end{aligned}$$

where, Y = Volume of fuel consumption, as liter per 1000 kilometers.

S = Running Speed (KM.P.H.)

b. Equation of Engine Oil Consumption

$$\begin{aligned} \text{Passenger Car 2000} & : Y = 0.00036 S^2 - 0.03897 S + 2.14048 \\ \text{Bus} & : Y = 0.00121 S^2 - 0.15257 S + 8.30869 \\ \text{Truck} & : Y = 0.00118 S^2 - 0.13770 S + 7.54073 \end{aligned}$$

where, Y = Volume of engine oil consumption, as liter per 1000 kilometers.

c. Equation of Tyre Wear

$$\begin{aligned} \text{Passenger Car} & : Y = 0.00052 S^2 + 0.04306 S + 0.26182 \\ \text{Bus} & : Y = 0.00075 S^2 + 0.05839 S + 0.39091 \\ \text{Truck} & : Y = 0.00066 S^2 + 0.05773 S + 0.32303 \end{aligned}$$

where, Y = Total tyre wear of vehicle, equated as percentage wear of one tyre per 1000 kilometers.

d. Equation of Maintenance Cost

1. Maintenance Cost on Parts

$$\begin{aligned} \text{Passenger Car} & : Y = 0.00051 S + 0.05848 \\ \text{Bus} & : Y = 0.00001 S^2 + 0.00199 S + 0.23194 \\ \text{Truck} & : Y = 0.00002 S^2 + 0.00032 S + 0.17921 \end{aligned}$$

where, Y = Maintenance parts, equated as the depreciable value of the vehicle per 1000 kilometers.

2. Maintenance Hours of Labour

Passenger Car : $Y = 0.00362 S + 0.36267$

Bus : $Y = 0.02311 S + 1.97733$

Truck : $Y = 0.01511 S + 1.21200$

Where, Y = Hours of labour per 1000 kilometers.

e. Equation of Depreciation

Passenger Car 2000 : $Y = \frac{1}{2.5 S + 125}$

Bus : $Y = \frac{1}{8.756 S + 350}$

Truck : $Y = \frac{1}{6.129 S + 245}$

where, Y = Depreciation as 0.15% per 1000 kilometers, equated as the depreciable value of the vehicle.

f. Equation of Interest

Passenger Car : $Y = \frac{150}{500 S}$

Bus : $Y = \frac{150}{2,500 S}$

Truck : $Y = \frac{150}{1,750 S}$

where, Y = Interest as % per 100 kilometers, equated as 50% of depreciable value of the vehicle.

g. Equation of Insurance

Passenger Car 2000 : $Y = \frac{370 \times 0.5}{500 S}$

Bus : $Y = \frac{365 \times 0.5}{2500 S}$

Truck : $Y = \frac{430 \times 0.5}{1750 S}$

where, Y = Insurance as % per 1000 kilometers, equated as the value of new vehicle. Insured vehicle ratio : 50%.

h. Equation of Travelling Hours for Wage

Bus : $Y = \frac{1000}{S}$

Truck : $Y = \frac{1000}{S}$

where, Y = Travelling time per 1000 kilometers.

Average Number of Crew per Vehicle

Bus	: Driver	1
	Conductor	2
Truck	: Driver	1
	Assistant	1

i. Overhead

Bus : 10% of above sub-total.

Truck : 10% of above sub-total.

**Appendix 12.5 FUEL CONSUMPTION AND FINANCIAL COST BY
SPEED ON LEVEL TOLLWAY (AS LITER AND
COST PER 1000 KM)**

Speed (KM. P. H.)	<u>Passenger Car</u> 2000 cc		<u>Bus</u>		<u>Truck</u>	
	Fuel Consumption (Liter)	(Rp.)	Fuel Consumption (Liter)	(Rp.)	Fuel Consumption (Liter)	(Rp.)
10	209.9	31,485	489.9	25,720	454.8	23,877
15	184.7	27,705	427.5	22,444	396.1	20,795
20	162.4	24,360	372.3	19,546	344.1	18,065
25	143.1	21,465	324.3	17,026	298.8	15,687
30	126.7	19,005	283.6	14,889	250.2	13,661
35	113.3	16,995	250.0	13,125	228.4	11,991
40	102.8	15,420	223.8	11,750	203.4	10,679
45	95.2	14,280	204.7	10,747	185.1	8,718
50	90.5	13,575	192.9	10,127	173.5	9,109
55	88.8	13,320	188.3	9,886	168.7	8,857
60	90.0	13,500	190.9	10,022	170.6	8,957
65	94.2	14,130	200.8	10,542	179.2	9,408
70	101.3	15,195	217.9	11,440	194.6	10,217
75	111.3	16,695	242.2	12,716	216.8	11,382
80	124.2	18,630	273.8	14,375	345.7	12,899
85	140.1	21,015	312.6	16,412	281.3	14,768
90	158.9	23,835	358.6	18,827	323.7	16,994

**Appendix 12.6 FUEL CONSUMPTION AND ECONOMIC COST
BY SPEED ON LEVEL TOLLWAY
(AS LITER AND COST PER 1000 KM)**

Speed (KM.P.H.)	<u>Passenger Car</u> 2000 cc		<u>Bus</u>		<u>Truck</u>	
	Fuel Consumption (Liter)	(Rp.)	Fuel Consumption (Liter)	(Rp.)	Fuel Consumption (Liter)	(Rp.)
10	209.9	31,485	489.9	51,440	454.8	47,754
15	184.7	27,705	427.5	44,888	396.1	41,591
20	162.4	24,360	372.3	39,092	344.1	36,131
25	143.1	21,465	324.2	34,041	298.8	31,374
30	126.7	19,005	283.6	29,778	260.2	27,321
35	113.3	16,995	250.0	26,250	228.4	23,982
40	102.8	15,420	223.8	23,499	203.4	21,357
45	95.2	14,280	204.7	21,494	185.1	19,436
50	90.5	13,575	192.9	20,255	173.5	18,218
55	88.8	13,320	188.3	19,772	168.7	17,714
60	90.0	13,500	190.9	20,045	170.6	17,913
65	94.2	14,130	200.8	21,084	179.2	18,816
70	101.3	15,195	217.9	22,880	194.6	20,433
75	111.3	16,695	242.2	25,431	216.8	22,764
80	124.2	18,630	273.8	28,749	245.7	25,799
85	140.1	21,015	312.6	32,823	281.3	29,537
90	158.9	23,835	356.6	37,653	323.7	33,989

Appendix 12.7 METHOD OF CALCULATION OF DEPRECIATION OF THE VEHICLE

Passenger Car

Average Year-round speed	50 Km/hr.
Average Annual Kilometerage	25,000 Km
Average Service Life of Vehicle	10 Years
Life time Kilometerage	250,000 Km

Formula :

(1) $a = 250 + 3/4 (S-50) \frac{25}{50} = 0.375 S + 6.25$
 where 'a' stands for annual Kilometerage (in 1,000 Km) and 'S' for the specific speed of the Vehicle (Km/hr).

(2) $t = \frac{25 \times (1/3 \times 10)}{a} + 2/3 \times 10 = \frac{83.33}{0.5S} + 6.67$ $a = S \frac{25}{50} = 0.5S$
 where 't' stands for Service life in Years.

(3) $at = (0.375 S + 6.25) \left(\frac{83.33}{0.5 S} + 6.67 \right)$
 $= 0.375 S \left(\frac{83.33}{0.5 S} + 6.67 \right) + 6.25 \left(\frac{83.33}{0.5 \times 50} + 6.67 \right)$
 $= 2.5 S + 125.0$
 where 'at' stands for life time Kilometerage (in 1,000 Km)

(4) $d = \frac{1}{at} = \frac{1}{2.5 S + 125.0}$
 where 'd' stands for depreciation per 1,000 Km expressed as percentage of the depreciable value of the Vehicle.

Bus

Average year-round speed	40 Km/hr.
Average annual Kilometerage	100,000 Km
Average Service life of Vehicle	7 Years
Life Time Kilometerage	700,000 Km

Formula:

(1) $a = 100.0 + 3/4 (S - 40) \frac{100}{40} = 1.875 S + 25.0$

(2) $t = \frac{100 \times (1/3 \times 7)}{a} + 2/3 \times 7 = \frac{233.31}{2.5 S} + 4.67$ $a = S \frac{100}{40} = 2.5 S$

$$\begin{aligned}
 (3) \quad at &= (1.875 S + 25.0) \left(\frac{233.31}{2.5 S} + 4.67 \right) \\
 &= 1.875 S \left(\frac{233.31}{2.5 S} + 4.67 \right) + 25.0 \left(\frac{233.31}{2.5 \times 40} + 4.67 \right) \\
 &= 8.756 S + 350.0
 \end{aligned}$$

$$(4) \quad d = \frac{1}{at} = \frac{1}{8.756 S + 350.0}$$

TRUCK

Average Year-round speed	40 km/hr.
Average annual Kilometerage	70,000 km
Average Service life of Vehicle	7 Years
Life time Kilometerage	490,000 km

Formula:

$$(1) \quad a = 70 + 3/4 (S - 40) \frac{70}{40} = 1.3125 S + 17.5$$

$$(2) \quad t = \frac{70 \times (1/3 \times 7)}{a} + 2/3 \times 7 = \frac{163.32}{1.75 S} + 4.67 \qquad a = S \frac{70}{40} = 1.75 S$$

$$\begin{aligned}
 (3) \quad at &= (1.3125 S + 17.5) \left(\frac{163.32}{1.75 S} + 4.67 \right) \\
 &= 1.3125 S \left(\frac{163.32}{1.75 S} + 4.67 \right) + 17.5 \left(\frac{163.32}{1.75 \times 40} + 4.67 \right) \\
 &= 6.129 S + 245.0
 \end{aligned}$$

$$(4) \quad d = \frac{1}{at} = \frac{1}{6.129 S + 245.0}$$

Appendix 12.8 ECONOMIC TIME VALUE BY TYPE OF VEHICLE

(1) Vehicle : 2000^{cc} Passenger Car

F : Direct Costs	$\frac{dF}{dS}$
1) Fuel $(0.05865S^2 - 6.50197S + 269.02157) \times 150$	17.595S - 975.296
2) Oil $(0.00036S^2 - 0.03897S + 2.14048) \times 1,080$	0.778S - 42.088
3) Tyre $(0.00052S^2 + 0.04306S + 0.26182) \times 22,568 \times \frac{1}{100}$	0.235S + 9.718
4) Maint.Parts $(0.00051S + 0.05848) \times 5,003,640 \times \frac{1}{100}$	+ 25.519
5) Maint.Labour $(0.00362S + 0.36267) \times 550$	+ 1.991
	$\frac{dF}{dS} = 18.608S - 980.156$

Speed (km. P. H.)	1	2	3	4	5
	$\frac{dF}{dS}$	Coefficient: ($\frac{\text{Operating Cost}}{\text{Direct Cost}}$)	$\frac{dF}{dS} \times$ Coefficient	Normal Distribution	Time Value $\frac{3 \times S^2 \times 4}{1000}$ (Rp./Hr.)
30	-421	3.6	-1,518	0.0011	-2
40	-235	3.4	-801	0.0216	-27
50	-49	3.1	-154	0.1360	-52
60	136	2.8	381	0.3413	462
70	322	2.4	773	0.3413	1,274
80	508	2.1	1,067	0.1360	915
90	694	1.8	1,250	0.0216	215
100	880	1.6	1,409	0.0011	15
				1.0000	2,800

(2) Vehicle : Bus

F : Direct Costs	$\frac{dF}{dS}$
1) Fuel $(0.14461S^2 - 16.10285S + 636.50343) \times 60$	17.353S - 966.171
2) Oil $(0.00131S^2 - 0.15257S + 8.30869) \times 520$	1.362S - 79.336
3) Tyre $(0.00075S^2 + 0.05839S + 0.39091) \times 82,212 \times \frac{1}{100}$	1.233S + 48.004
4) Maint. part $(0.00001S^2 + 0.00199S + 0.23194) \times 27,024,516$ $\times \frac{1}{100}$	5.405S + 537.788
5) Maint. Labour $(0.02311S + 1.97733) \times 550$	+ 12.711
	$\frac{dF}{dS} = 25.353S - 447.004$

Speed (Km.P.H.)	1	2	3	4	5
	$\frac{dF}{dS}$	Coefficient: $\left(\frac{\text{Operating Cost}}{\text{Direct Cost}}\right)$	$\frac{dF}{dS} \times$ Coefficient	Normal Distribution	Time Value $\frac{3 \times S^2 \times 4}{1000}$ (Rp./Hr.)
30	313	2.4	751	0.0011	0
40	567	2.1	1,190	0.0216	41
50	820	1.9	1,558	0.1360	535
60	1,074	1.6	1,718	0.3413	2,132
70	1,327	1.5	1,990	0.3413	3,361
80	1,581	1.4	2,213	0.1360	1,944
90	1,834	1.3	2,384	0.0216	421
100	2,008	1.2	2,409	0.0011	26
				1.0000	8,460

(3) Vehicle: Truck

	F : Direct Costs	$\frac{dF}{dS}$
1) Fuel	$(0.13485S^2 - 15.12463S + 592.60931) \times 60$	16.182S - 907.478
2) Oil	$(0.00118S^2 - 0.13770S + 7.54073) \times 520$	1.227S - 71.604
3) Tyre	$(0.00066S^2 + 0.05773S + 0.32303) \times 82,212 \times \frac{1}{100}$	1.085S + 47.436
4) Maint. Part	$(0.00002S^2 + 0.00032S + 0.17921) \times 15,624,516 \times \frac{1}{100}$	6.250S + 49.998
5) Maint. Labour	$(0.01511S + 1,21200) \times 550$	8.311
		$\frac{dF}{dS} = 24.744S + 873.337$

	1	2	3	4	5
Speed (Km. P.H.)	$\frac{dF}{dS}$	Coefficient: ($\frac{\text{Operating Cost}}{\text{Direct Cost}}$)	$\frac{dF}{dS} \times$ Coefficient	Normal Distribution	$\frac{3 \times S^2 \times 4}{1000}$ (Rp./hr.)
30	-131	2.9	-379	0.0011	0
40	116	2.3	260	0.0216	9
50	363	2.0	744	0.1360	253
60	611	1.9	1,132	0.3412	1,390
70	858	1.7	1,424	0.3412	2,380
80	1,106	1.5	1,619	0.1360	1,409
90	1,353	1.3	1,715	0.0216	300
100	1,601	1.1	1,727	0.0011	19
				1.0000	5,760

APP. 12.9 SCHEDULE FOR CAPITAL REQUIREMENT FLOWS

(Cases 02 through 26)

(Unit: 10⁶ Rp)

HARBOUR ROAD TOTAL					
YEAR	F/C	L/C	LAND AQ.	S-TOTAL	
0 1980	0	0	0	0	
1 1981	0	0	0	0	
2 1982	723	753	0	1476	
3 1983	2008	5314	3160	7322	
4 1984	842	32741	31860	33583	
5 1985	5021	29335	22916	34356	
6 1986	10744	46917	32538	57661	
7 1987	19924	35505	7697	55429	
8 1988	41486	54556	0	96042	
9 1989	36814	46815	0	83629	
10 1990	38752	50022	0	88774	
TOTAL	156314	301958	98171	458272	

PAGE # 28

APP. 12.10 FINANCING PLAN (Cases 02 through 26)

(Unit: 10⁶ Rp)

YEAR	FOREIGN CURRENCY PORTION				LOCAL CURRENCY PORTION			GOV'T
	INTE'L FINANCE (A)	FINANCE (B)	BOND (A)	TOTAL	BOND (A)	BOND (B)	TOTAL	
0 1980	0.	0.	0.	0.	0.	0.	0.	0.
1 1981	3573.0	0.	0.	3573.0	0.	0.	0.	0.
2 1982	0.	0.	0.	0.	0.	0.	0.	733.0
3 1983	0.	0.	0.	0.	0.	0.	0.	5314.0
4 1984	26258.4	11253.6	0.	37512.0	0.	0.	0.	32741.0
5 1985	0.	0.	0.	0.	3851.4	0.	3851.4	25483.6
6 1986	28833.3	15514.5	0.	44347.8	8627.4	0.	8627.4	38289.6
7 1987	31757.0	19054.2	1133.8	51945.0	15120.4	1564.4	16684.8	18820.2
8 1988	0.	0.	4770.8	4770.8	27001.8	5731.8	32733.6	21822.4
9 1989	0.	0.	6415.0	6415.0	20186.4	7902.6	28089.0	18726.0
10 1990	0.	0.	7750.4	7750.4	20008.8	10004.4	30013.2	20008.8
TOTAL	90421.7	45822.3	20070.0	156314.0	94796.2	25203.2	119999.4	181958.6

APP.12.11 REPAYMENT SCHEDULE FOR FOREIGN LOANS AND BONDS (Cases 02 through 09)

(Unit: 10⁶ Rp)

YEAR	REPAYMENT OF THE PRINCIPAL				REPAYMENT OF THE INTEREST			TOTAL	
	INTE'L FINANCE (A)	BOND(B)	TOTAL	INTE'L FINANCE (A)	BOND(B)	TOTAL			
0 1980	0.	0.	0.	0.	0.	0.	0.		
1 1981	0.	0.	0.	0.	0.	0.	0.		
2 1982	0.	0.	0.	19.9	0.	19.9	19.9		
3 1983	0.	0.	0.	75.1	0.	75.1	75.1		
4 1984	0.	0.	0.	98.3	0.	98.3	98.3		
5 1985	0.	0.	0.	194.9	97.9	292.8	292.8		
6 1986	0.	0.	0.	401.7	307.4	709.2	709.2		
7 1987	0.	0.	0.	754.1	695.9	1450.0	1450.0		
8 1988	0.	0.	0.	1421.5	1504.9	2926.4	2926.4		
9 1989	0.	0.	0.	1953.8	2222.8	4176.6	4176.6		
10 1990	0.	0.	0.	2486.6	2928.4	5415.0	5415.0		
11 1991	178.6	750.2	928.9	2481.7	2929.7	5411.4	5411.4		
12 1992	178.6	750.2	928.9	2476.8	2880.9	5357.7	5357.7		
13 1993	178.6	1784.5	1963.2	2471.9	2764.9	5236.8	5236.8		
14 1994	1491.6	3054.8	4546.4	2430.8	2566.4	5007.2	5007.2		
15 1995	1491.6	3054.8	4546.4	2389.8	2367.8	4757.6	4757.6		
16 1996	2933.2	3054.8	5988.0	2309.2	2169.2	4478.4	4478.4		
17 1997	4521.1	3054.8	7575.9	2184.8	1970.7	4155.5	4155.5		
18 1998	4521.1	3054.8	7575.9	2040.5	1772.1	3812.6	3812.6		
19 1999	4521.1	3054.8	7575.9	1936.2	1573.5	3509.7	3509.7		
20 2000	4521.1	3054.8	7575.9	1811.8	1375.0	3186.8	3186.8		
21 2001	4521.1	3054.8	7575.9	1687.5	1176.4	2863.9	2863.9		
22 2002	4521.1	3054.8	7575.9	1563.2	977.9	2541.1	2541.1		
23 2003	4521.1	3054.8	7575.9	1438.8	779.3	2218.1	2218.1		
24 2004	4521.1	3054.8	7575.9	1314.5	580.7	1895.2	1895.2		
25 2005	4521.1	3054.8	7575.9	1190.2	382.2	1572.4	1572.4		
26 2006	4521.1	2304.6	6825.7	1065.9	232.4	1298.3	1298.3		
27 2007	4521.1	2304.6	6825.7	941.5	82.6	1024.1	1024.1		
28 2008	4521.1	1270.3	5791.4	817.2	0.	817.2	817.2		
29 2009	4521.1	0.	4521.1	692.9	0.	692.9	692.9		
30 2010	4521.1	0.	4521.1	568.5	0.	568.5	568.5		
31 2011	4342.4	0.	4342.4	449.1	0.	449.1	449.1		
32 2012	4342.4	0.	4342.4	329.7	0.	329.7	329.7		
33 2013	4342.4	0.	4342.4	210.3	0.	210.3	210.3		
34 2014	3029.5	0.	3029.5	127.0	0.	127.0	127.0		
35 2015	3029.5	0.	3029.5	43.7	0.	43.7	43.7		
36 2016	1587.9	0.	1587.9	0.	0.	0.	1587.9		
TOTAL	90421.6	45822.3	20070.0	156314.0	42399.3	34389.0	42460.7	119249.0	275563.0

APP.12.12 REPAYMENT SCHEDULE FOR DOMESTIC BONDS (Cases 02 through 09)

(Unit: 10⁶ Rp)

YEAR	REPAYMENT OF THE PRINCIPAL			REPAYMENT OF THE INTEREST			TOTAL
	BOND(A)	BOND(B)	TOTAL	BOND(A)	BOND(B)	TOTAL	
0 1980	0.	0.	0.	0.	0.	0.	0.
1 1981	0.	0.	0.	0.	0.	0.	0.
2 1982	0.	0.	0.	0.	0.	0.	0.
3 1983	0.	0.	0.	0.	0.	0.	0.
4 1984	0.	0.	0.	0.	0.	0.	0.
5 1985	0.	0.	0.	597.0	0.	597.0	597.0
6 1986	0.	0.	0.	1934.2	0.	1934.2	1934.2
7 1987	0.	0.	0.	4277.9	156.4	4434.3	4434.3
8 1988	0.	0.	0.	8463.2	729.6	9192.8	9192.8
9 1989	0.	0.	0.	11592.0	1519.9	13111.9	13111.9
10 1990	0.	0.	0.	14693.4	2520.3	17213.7	17213.7
11 1991	0.	0.	0.	14693.4	2520.3	17213.7	17213.7
12 1992	185.1	0.	185.1	14693.4	2526.3	17213.7	17398.8
13 1993	628.5	0.	628.5	14664.7	2520.3	17185.0	17813.5
14 1994	1452.6	104.3	1556.9	14567.3	2509.9	17077.2	18434.1
15 1995	2975.5	486.4	3462.0	14342.2	2461.2	16803.4	20265.4
16 1996	4407.0	1013.5	5420.5	13880.9	2359.9	16240.9	21661.1
17 1997	6051.7	1680.2	7732.0	13197.9	2191.9	15389.8	23121.7
18 1998	6989.8	1680.2	8670.0	12259.8	2023.9	14283.7	22953.7
19 1999	8073.2	1680.2	9753.4	11176.4	1855.9	13032.3	22785.7
20 2000	9324.5	1680.2	11004.7	9925.1	1687.8	11612.9	22617.7
21 2001	10769.8	1680.2	12450.0	8479.8	1519.8	9999.6	22449.6
22 2002	11657.1	1680.2	13337.3	6810.5	1351.8	8162.3	21499.5
23 2003	11712.0	1680.2	13392.2	5003.6	1183.8	6187.4	19579.6
24 2004	10457.0	1680.2	12137.2	3188.3	1015.8	4204.0	16341.2
25 2005	6594.7	1680.2	8274.9	1567.4	847.7	2415.2	10690.1
26 2006	3517.8	1680.2	5198.0	545.3	679.7	1225.0	6423.0
27 2007	0.	1680.2	1680.2	0.	511.7	511.7	2191.9
28 2008	0.	1680.2	1680.2	0.	343.7	343.7	2023.9
29 2009	0.	1575.9	1575.9	0.	184.1	184.1	1762.0
30 2010	0.	1193.8	1193.8	0.	66.7	66.7	1260.5
31 2011	0.	667.0	667.0	0.	0.	0.	667.0
TOTAL	94796.2	25203.2	119999.4	200553.7	35284.5	235838.2	355837.6

APP.12.13 REPAYMENT PROGRAM FOR HARBOUR ROAD, CASE 02

(Unit: 10⁶ Rp)

YEAR	(1) LOAN		(3) EXPENDITURE				(2)-(3)			(4) TEMPORARY LOAN		
	REPAYMENT	REVENUE	MAINTN.	OPERAT.	TAX	TOTAL	LOAN	INTEREST	TOTAL			
0	1980	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
1	1981	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
2	1982	19.9	0.	0.	0.	0.	0.	0.	-19.9	-2.7	-22.6	
3	1983	75.1	0.	0.	0.	0.	0.	0.	-97.7	-13.2	-110.9	
4	1984	98.3	0.	0.	0.	0.	0.	0.	-209.1	-28.2	-237.3	
5	1985	889.8	0.	0.	0.	0.	0.	0.	-1127.1	-152.2	-1279.3	
6	1986	2643.4	0.	0.	0.	0.	0.	0.	-3922.7	-529.6	-4452.2	
7	1987	6060.1	0.	0.	0.	0.	0.	0.	-10512.3	-1419.2	-11931.5	
8	1988	13034.4	0.	0.	0.	0.	0.	0.	-24965.9	-3370.4	-28336.3	
9	1989	19198.0	0.	0.	0.	0.	0.	0.	-47534.3	-6417.1	-53951.4	
10	1990	25789.6	0.	0.	0.	0.	0.	0.	-79741.0	-10765.0	-90506.0	
11	1991	26664.8	24135.0	3684.0	3645.0	0.	7349.0	16786.0	-100384.9	-13552.0	-113936.8	
12	1992	26796.3	27503.0	4126.0	4104.0	0.	8230.0	19273.0	-121460.1	-16397.1	-137857.2	
13	1993	28124.3	30873.0	4621.0	4597.0	0.	9218.0	21655.0	-144326.6	-19484.1	-163810.6	
14	1994	31343.0	34240.0	5175.0	5148.0	0.	10323.0	23917.0	-171236.7	-23117.0	-194353.6	
15	1995	32964.0	40172.0	5797.0	5766.0	4693.5	16256.5	43915.5	-183402.1	-24759.3	-208161.4	
16	1996	35830.5	65560.0	6492.0	6458.0	5013.8	17983.8	47576.2	-196415.8	-26516.1	-222931.9	
17	1997	38928.6	70948.0	7271.0	7233.0	5254.6	19258.6	51189.4	-210621.1	-28440.6	-239111.7	
18	1998	38437.7	76340.0	8144.0	8101.0	6497.2	22742.2	53597.8	-223931.6	-30233.5	-254185.1	
19	1999	37946.8	81728.0	39257.0	9073.0	0.	48330.0	33398.0	-258733.8	-34922.1	-293622.9	
20	2000	37455.9	141564.0	88447.0	10162.0	1649.7	100258.7	41305.3	-289813.5	-39124.8	-328938.3	
21	2001	36964.9	145165.0	11441.0	11382.0	25613.1	48436.1	96728.9	-269174.4	-36338.5	-305512.9	
22	2002	35691.9	148759.0	12814.0	12747.0	26251.8	51812.8	96946.2	-244258.7	-32974.9	-277233.6	
23	2003	33449.1	152360.0	14352.0	14277.0	27084.6	55713.6	96646.4	-216036.3	-28894.9	-244931.2	
24	2004	29657.6	155955.0	16074.0	15990.0	28270.0	60334.0	95621.0	-176947.8	-23890.7	-200838.5	
25	2005	22714.8	263880.0	18003.0	17909.0	41576.0	97488.0	166392.0	-57181.2	-7719.5	-64900.7	
26	2006	16120.7	269825.0	20163.0	20058.0	64045.0	104266.0	165559.0	84537.6	0.	84537.6	
27	2007	10041.7	275781.0	22583.0	22465.0	66207.4	111255.4	164525.6	239021.5	0.	239021.5	
28	2008	8632.4	281725.0	25293.0	25161.0	66791.6	117245.6	164479.4	394868.5	0.	394868.5	
29	2009	6976.0	282681.0	28328.0	28180.0	67259.1	123767.1	163913.9	551806.5	0.	551806.5	
30	2010	6350.1	477995.0	31562.0	31562.0	122506.5	185796.5	292198.5	837654.9	0.	837654.9	
31	2011	5458.5	487690.0	35535.0	35349.0	123404.2	194288.2	293401.8	1125598.1	0.	1125598.1	
32	2012	4672.1	497368.0	39799.0	39591.0	123991.8	203381.8	293986.2	1414912.2	0.	1414912.2	
33	2013	4552.7	507063.0	44575.0	44342.0	124078.0	212995.0	294068.0	1704427.5	0.	1704427.5	
34	2014	3156.5	516140.0	49924.0	49663.0	124019.0	223406.0	292534.0	1999305.0	0.	1999305.0	
35	2015	3073.2	842204.0	58113.0	55423.0	218305.4	329843.4	512452.6	2503184.4	0.	2503184.4	
36	2016	1587.9	857780.0	62625.0	62298.0	219380.7	344303.7	513476.3	3015072.8	0.	3015072.8	
37	2017	0.	873292.0	70140.0	69773.0	220013.7	359268.7	513365.3	3528438.1	0.	3528438.1	
38	2018	0.	888776.0	78557.0	78146.0	219621.9	376324.9	517451.1	4040889.2	0.	4040889.2	
TOTAL												
631400.6 8542594.0 810863.0 698823.0 1951548.7 3461234.7												

APP 12 14 REPAYMENT PROGRAM FOR HARBOUR ROAD, CASE 03

(Unit: 10⁶ Rp)

YEAR	(1) LOAN		(3) EXPENDITURE				(2)-(3)			(4) TEMPORARY LOAN		
	REPAYMENT	REVENUE	MAINTN.	OPERAT.	TAX	TOTAL	LOAN	INTEREST	TOTAL			
0	1980	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
1	1981	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
2	1982	19.9	0.	0.	0.	0.	0.	0.	-19.9	-2.7	-22.6	
3	1983	75.1	0.	0.	0.	0.	0.	0.	-97.7	-13.2	-110.9	
4	1984	98.3	0.	0.	0.	0.	0.	0.	-209.1	-28.2	-237.3	
5	1985	889.8	0.	0.	0.	0.	0.	0.	-1127.1	-152.2	-1279.3	
6	1986	2643.4	0.	0.	0.	0.	0.	0.	-3922.7	-529.6	-4452.2	
7	1987	6060.1	0.	0.	0.	0.	0.	0.	-10512.3	-1419.2	-11931.5	
8	1988	13034.4	0.	0.	0.	0.	0.	0.	-24965.9	-3370.4	-28336.3	
9	1989	19198.0	0.	0.	0.	0.	0.	0.	-47534.3	-6417.1	-53951.4	
10	1990	25789.6	0.	0.	0.	0.	0.	0.	-79741.0	-10765.0	-90506.0	
11	1991	26664.8	24135.0	3684.0	3645.0	0.	7349.0	16786.0	-100384.9	-13552.0	-113936.8	
12	1992	26796.3	27503.0	4126.0	4104.0	0.	8230.0	19273.0	-121460.1	-16397.1	-137857.2	
13	1993	28124.3	30873.0	4621.0	4597.0	0.	9218.0	21655.0	-144326.6	-19484.1	-163810.6	
14	1994	31343.0	34240.0	5175.0	5148.0	0.	10323.0	23917.0	-171236.7	-23117.0	-194353.6	
15	1995	32964.0	40172.0	5797.0	5766.0	4693.5	16256.5	43915.5	-183402.1	-24759.3	-208161.4	
16	1996	35830.5	65560.0	6492.0	6458.0	5013.8	17983.8	47576.2	-196415.8	-26516.1	-222931.9	
17	1997	38928.6	70948.0	7271.0	7233.0	5254.6	19258.6	51189.4	-210621.1	-28440.6	-239111.7	
18	1998	38437.7	76340.0	8144.0	8101.0	6497.2	22742.2	53597.8	-223931.6	-30233.5	-254185.1	
19	1999	37946.8	81728.0	39257.0	9073.0	0.	48330.0	33398.0	-258733.8	-34922.1	-293622.9	
20	2000	37455.9	141564.0	88447.0	10162.0	1649.7	100258.7	41305.3	-289813.5	-39124.8	-328938.3	
21	2001	36964.9	145165.0	11441.0	11382.0	25613.1	48436.1	96728.9	-269174.4	-36338.5	-305512.9	
22	2002	35691.9	148759.0	12814.0	12747.0	26251.8	51812.8	96946.2	-244258.7	-32974.9	-277233.6	
23	2003	33449.1	152360.0	14352.0	14277.0	27084.6	55713.6	96646.4	-216036.3	-28894.9	-244931.2	
24	2004	29657.6	155955.0	16074.0	15990.0	28270.0	60334.0	95621.0	-176947.8	-23890.7	-200838.5	
25	2005	22714.8	263880.0	18003.0	17909.0	41576.0	97488.0	166392.0	-57181.2	-7719.5	-64900.7	
26	2006	16120.7	269825.0	20163.0	20058.0	64045.0	104266.0	165559.0	84537.6	0.	84537.6	
27	2007	10041.7	275781.0	22583.0	22465.0	66207.4	111255.4	164525.6	239021.5	0.	239021.5	
28	2008	8632.4	281725.0	25293.0	25161.0	66791.6	117245.6	164479.4	394868.5	0.	394868.5	
29	2009	6976.0	282681.0	28328.0	28180.0	67259.1	123767.1	163913.9	551806.5	0.	551806.5	
30	2010	6350.1	477995.0	31562.0	31562.0	122506.5	185796.5	292198.5	837654.9	0.	837654.9	
31	2011	5458.5	487690.0	35535.0	35349.0	123404.2	194288.2	293401.8	1125598.1	0.	1125598.1	
32	2012	4672.1	497368.0	39799.0	39591.0	123991.8	203381.8	293986.2	1414912.2	0.	1414912.2	
33	2013	4552.7	507063.0	44575.0	44342.0	124078.0	212995.0	294068.0	1704427.5	0.	1704427.5	
34	2014	3156.5	516140.0	49924.0	49663.0	124019.0	223406.0	292534.0	1999305.0	0.	1999305.0	
35	2015	3073.2	842204.0	58113.0	55423.0	218305.4	329843.4	512452.6	2503184.4	0.	2503184.4	
36	2016	1587.9	857780.0	62625.0	62298.0	219380.7	344303.7	513476.3	3015072.8	0.	3015072.8	
37	2017	0.	873292.0	70140.0	69773.0	220013.7	359268.7	513365.3	3528438.1	0.	3528438.1	
38	2018	0.	888776.0	78557.0	78146.0	219621.9	376324.9	517451.1	4040889.2	0.	4040889.2	
TOTAL												
631400.6 8542594.0 810863.0 698823.0 1951548.7 3461234.7												

APP. 12. 15 REPAYMENT PROGRAM FOR HARBOUR ROAD, CASE 05

YEAR	(1) LOAN		(2) EXPENDITURE				(3) TEMPORARY LOAN		
	REPAYMENT	REVENUE	MAINTEN.	OPERAT.	TAX	TOTAL	LOAN	INTEREST	TOTAL
0	1981	0.	0.	0.	0.	0.	0.	0.	0.
1	1981	0.	0.	0.	0.	0.	0.	0.	0.
2	1982	10.9	0.	0.	0.	0.	0.	0.	0.
3	1983	75.1	0.	0.	0.	0.	0.	-19.9	-22.6
4	1984	98.3	0.	0.	0.	0.	0.	-97.7	-110.9
5	1985	889.8	0.	0.	0.	0.	0.	-209.1	-237.3
6	1986	2643.4	0.	0.	0.	0.	0.	-1127.1	-1279.3
7	1987	6650.1	0.	0.	0.	0.	0.	-3922.7	-4452.2
8	1988	13034.4	0.	0.	0.	0.	0.	-10512.3	-11931.5
9	1989	19198.0	0.	0.	0.	0.	0.	-24965.9	-28336.3
10	1990	25780.0	0.	0.	0.	0.	0.	-47514.3	-53951.4
11	1991	26664.8	24135.0	3684.0	3665.0	0.	7349.0	-7974.0	-90506.0
12	1992	26796.3	27503.0	4126.0	4104.0	0.	8230.0	-10034.9	-113936.8
13	1993	28124.3	30075.0	4621.0	4597.0	0.	9218.0	-12146.0	-137857.2
14	1994	31343.0	34240.0	5175.0	5148.0	0.	10323.0	-14432.6	-163810.6
15	1995	32964.0	40172.0	5797.0	5760.0	4693.5	16256.5	-17125.7	-194353.6
16	1996	35830.5	65560.0	6492.0	4458.0	5033.8	17983.8	-18340.2	-208161.4
17	1997	38928.0	70948.0	7271.0	7233.0	5254.6	19758.6	-19645.8	-227931.9
18	1998	38437.7	76340.0	8144.0	8101.0	6497.2	22742.2	-21067.1	-249111.7
19	1999	37946.8	81728.0	9121.0	9073.0	7676.2	25870.2	-223951.6	-254185.1
20	2000	37455.9	141564.0	10215.0	10162.0	25119.3	45496.3	-236274.0	-31897.0
21	2001	36964.9	145165.0	11441.0	11382.0	25613.1	48430.1	-209559.2	-28290.5
22	2002	35691.9	148759.0	12814.0	12747.0	26251.8	51812.8	-178085.7	-24041.6
23	2003	33449.1	152360.0	14352.0	14277.0	27084.6	55713.6	-140875.1	-19017.9
24	2004	29657.6	155955.0	16076.0	15990.0	29271.0	60334.0	-94693.8	-11051.6
25	2005	22714.8	263880.0	18003.0	17999.0	60455.0	104266.0	-43783.9	-49094.7
26	2006	16120.7	269825.0	20163.0	20058.0	66045.0	165559.0	97488.0	93982.5
27	2007	10041.7	275781.0	22583.0	22465.0	66207.4	112255.4	243620.8	243620.8
28	2008	8632.4	281725.0	25293.0	25161.0	66791.6	117245.6	164525.6	397904.8
29	2009	6976.0	287681.0	28328.0	28180.0	67259.1	123767.1	164479.4	553751.8
30	2010	4351.1	477995.0	31728.0	31562.0	122506.5	185796.5	553751.8	553751.8
31	2011	4558.5	487690.0	35535.0	35349.0	123404.2	194288.2	710689.7	710689.7
32	2012	4672.1	497368.0	39799.0	39591.0	123991.8	203381.8	0.	0.
33	2013	4552.7	507063.0	44575.0	44342.0	124078.0	212995.0	0.	0.
34	2014	3156.5	516140.0	49924.0	49663.0	124019.0	223606.0	0.	0.
35	2015	3073.2	524296.0	55915.0	55623.0	1218305.4	329843.4	0.	0.
36	2016	1587.9	857780.0	62625.0	62298.0	219380.7	344303.7	0.	0.
37	2017	0.	873292.0	70140.0	69773.0	220013.7	359926.7	0.	0.
38	2018	0.	888776.0	78557.0	78146.0	219621.9	376324.9	0.	0.
TOTAL		431400.6	8542594.6	712495.0	698823.0	1982694.4	3384012.5		

APP 12 16 REPAYMENT PROGRAM FOR HARBOUR ROAD, CASE 08

YEAR	(1) LOAN		(2) EXPENDITURE				(3) TEMPORARY LOAN		
	REPAYMENT	REVENUE	MAINTEN.	OPERAT.	TAX	TOTAL	LOAN	INTEREST	TOTAL
0	1981	0.	0.	0.	0.	0.	0.	0.	0.
1	1981	0.	0.	0.	0.	0.	0.	0.	0.
2	1982	10.9	0.	0.	0.	0.	0.	-19.9	-22.6
3	1983	75.1	50400.0	0.	0.	0.	0.	49902.3	49902.3
4	1984	98.3	0.	0.	0.	0.	0.	49804.1	49804.1
5	1985	889.8	0.	0.	0.	0.	0.	48914.3	48914.3
6	1986	2643.4	0.	0.	0.	0.	0.	46270.0	46270.0
7	1987	6650.1	0.	0.	0.	0.	0.	40210.8	40210.8
8	1988	13034.4	0.	0.	0.	0.	0.	27176.4	27176.4
9	1989	19198.0	0.	0.	0.	0.	0.	7978.4	7978.4
10	1990	25780.0	0.	0.	0.	0.	0.	-17811.7	-2044.5
11	1991	26664.8	24135.0	3684.0	3665.0	0.	7349.0	-30094.5	-34157.5
12	1992	26796.3	27503.0	4126.0	4104.0	0.	8230.0	-41690.6	-5626.9
13	1993	28124.3	30075.0	4621.0	4597.0	0.	9218.0	-53776.8	-7259.9
14	1994	31343.0	34240.0	5175.0	5148.0	0.	10323.0	-68462.7	-9242.5
15	1995	32964.0	40172.0	5797.0	5760.0	4693.5	16256.5	-67553.6	-9011.7
16	1996	35830.5	65560.0	6492.0	4458.0	5033.8	17983.8	-64019.7	-72662.4
17	1997	38928.0	70948.0	7271.0	7233.0	5254.6	19758.6	-60401.6	-8154.2
18	1998	38437.7	76340.0	8144.0	8101.0	6497.2	22742.2	-53395.7	-7208.4
19	1999	37946.8	81728.0	9121.0	9073.0	7676.2	25870.2	-42693.1	-48456.7
20	2000	37455.9	141564.0	10215.0	10162.0	25119.3	45496.3	10155.1	10155.1
21	2001	36964.9	145165.0	11441.0	11382.0	25613.1	48430.1	69919.1	69919.1
22	2002	35691.9	148759.0	12814.0	12747.0	26251.8	51812.8	131173.3	131173.3
23	2003	33449.1	152360.0	14352.0	14277.0	27084.6	55713.6	194370.6	194370.6
24	2004	29657.6	155955.0	16076.0	15990.0	29271.0	60334.0	260334.0	260334.0
25	2005	22714.8	263880.0	18003.0	17999.0	60455.0	104266.0	404011.3	404011.3
26	2006	16120.7	269825.0	20163.0	20058.0	66045.0	165559.0	553449.4	553449.4
27	2007	10041.7	275781.0	22583.0	22465.0	66207.4	112255.4	707933.5	707933.5
28	2008	8632.4	281725.0	25293.0	25161.0	66791.6	117245.6	863780.5	863780.5
29	2009	6976.0	287681.0	28328.0	28180.0	67259.1	123767.1	1020718.4	1020718.4
30	2010	4351.1	477995.0	31728.0	31562.0	122506.5	185796.5	1306566.8	1306566.8
31	2011	4558.5	487690.0	35535.0	35349.0	123404.2	194288.2	1594510.1	1594510.1
32	2012	4672.1	497368.0	39799.0	39591.0	123991.8	203381.8	1883824.2	1883824.2
33	2013	4552.7	507063.0	44575.0	44342.0	124078.0	212995.0	2173339.5	2173339.5
34	2014	3156.5	516140.0	49924.0	49663.0	124019.0	223606.0	2462717.0	2462717.0
35	2015	3073.2	524296.0	55915.0	55623.0	1218305.4	329843.4	2972094.4	2972094.4
36	2016	1587.9	857780.0	62625.0	62298.0	219380.7	344303.7	3483984.8	3483984.8
37	2017	0.	873292.0	70140.0	69773.0	220013.7	359926.7	3997350.1	3997350.1
38	2018	0.	888776.0	78557.0	78146.0	219621.9	376324.9	4509801.3	4509801.3
TOTAL		631400.6	8592594.0	702495.0	698823.0	1982694.4	3384012.5		

APP 12 17 REPAYMENT PROGRAM FOR HARBOUR ROAD, CASE 09

(Unit 10⁶Rp)

YEAR	(1) LOAN REPAYMENT	(2) REVENUE	(3) EXPENDITURE				(2)-(3)	(4) TEMPORARY LOAN		
			MAINTENANCE	OPERAT.	TAX	TOTAL		LOAN	INTEREST	TOTAL
0 1980	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
1 1981	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
2 1982	19.9	0.	0.	0.	0.	0.	57070.0	49902.3	0.	49902.3
3 1983	75.1	50000.0	0.	0.	0.	0.	0.	49804.1	0.	49804.1
4 1984	08.3	0.	0.	0.	0.	0.	0.	48914.3	0.	48914.3
5 1985	889.8	0.	0.	0.	0.	0.	0.	46270.9	0.	46270.9
6 1986	2643.4	0.	0.	0.	0.	0.	0.	40210.8	0.	40210.8
7 1987	6060.1	0.	0.	0.	0.	0.	0.	27176.4	0.	27176.4
8 1988	13034.4	0.	0.	0.	0.	0.	0.	7978.4	0.	7978.4
9 1989	10198.0	0.	0.	0.	0.	0.	0.	-17811.2	-2404.5	-20215.7
10 1990	25789.6	0.	0.	0.	0.	0.	0.	-30094.5	-4062.8	-34157.3
11 1991	26664.8	24135.0	5684.0	3665.0	0.	7349.0	16786.0	-41840.6	-5626.9	-47467.5
12 1992	26796.3	27503.0	4126.0	4104.0	0.	8230.0	19273.0	-53776.2	-7259.9	-61036.6
13 1993	28124.5	30873.0	4621.0	4597.0	0.	9218.0	21655.0	-68462.7	-9242.5	-77705.1
14 1994	31343.0	34240.0	5175.0	5148.0	0.	10323.0	23917.0	-8378.1	-70438.3	-78816.4
15 1995	32964.0	60172.0	5797.0	5766.0	0.	11563.0	48409.0	-52606.2	-7243.9	-60050.7
16 1996	35830.5	65540.0	6492.0	6458.0	0.	12950.0	52610.0	-53658.8	-5857.3	-49244.6
17 1997	38928.6	70948.0	7271.0	7233.0	0.	14504.0	56444.0	-27587.3	-3724.5	-31311.6
18 1998	38437.7	76340.0	8144.0	8101.0	0.	16245.0	60995.0	-5724.3	-772.8	-6497.1
19 1999	37946.8	81728.0	9121.0	9073.0	0.	18194.0	63534.0	77234.0	0.	77234.0
20 2000	37455.9	141544.0	10215.0	10162.0	0.	20377.0	121187.0	162611.1	0.	162611.1
21 2001	36964.9	145165.0	11441.0	11382.0	0.	22823.0	122342.0	250117.2	0.	250117.2
22 2002	35691.9	148759.0	12814.0	12747.0	0.	25561.0	123198.0	340399.0	0.	340399.0
23 2003	33449.1	152360.0	14352.0	14277.0	0.	28629.0	123731.0	434632.4	0.	434632.4
24 2004	29657.6	155955.0	16074.0	15990.0	0.	32064.0	123891.0	639885.6	0.	639885.6
25 2005	22714.8	263880.0	18003.0	17909.0	0.	35912.0	227968.0	853368.9	0.	853368.9
26 2006	16120.7	269875.0	20163.0	20058.0	0.	40221.0	229604.0	1074060.3	0.	1074060.3
27 2007	10041.7	275741.0	22583.0	22465.0	0.	45048.0	230733.0	1296698.8	0.	1296698.8
28 2008	8632.4	281725.0	25293.0	25161.0	0.	50454.0	231271.0	1520895.9	0.	1520895.9
29 2009	6978.0	287681.0	28328.0	28180.0	0.	56508.0	231173.0	1929250.7	0.	1929250.7
30 2010	6350.1	477995.0	31728.0	31562.0	0.	63290.0	414705.0	2340598.2	0.	2340598.2
31 2011	5654.5	487690.0	35535.0	35349.0	0.	70884.0	416806.0	2753904.1	0.	2753904.1
32 2012	4672.1	497366.0	39799.0	39591.0	0.	79390.0	417978.0	3167497.3	0.	3167497.3
33 2013	4552.7	507063.0	44575.0	44342.0	0.	88917.0	419146.0	3580893.8	0.	3580893.8
34 2014	3156.5	516140.0	49924.0	49663.0	0.	99587.0	416553.0	4308574.7	0.	4308574.7
35 2015	3073.2	842296.0	55915.0	55623.0	0.	111538.0	730758.0	5039847.8	0.	5039847.8
36 2016	1587.9	857780.0	62625.0	62298.0	0.	124923.0	732857.0	5773226.8	0.	5773226.8
37 2017	0.	873292.0	70140.0	69773.0	0.	139913.0	733379.0	6505299.8	0.	6505299.8
38 2018	0.	888776.0	78557.0	78146.0	0.	156703.0	732073.0	0.	0.	0.
TOTAL	631400.6	8592594.0	702495.0	698823.0	0.	1401318.0	0.	0.	0.	0.

APP 12 18 REPAYMENT SCHEDULE FOR FOREIGN LOANS AND BONDS (Cases 11 through 17)

(Unit 10⁶Rp)

YEAR	REPAYMENT OF THE PRINCIPAL			REPAYMENT OF THE INTEREST			TOTAL
	INTE'L FINANCE (A)	BOND (A)	TOTAL	INTE'L FINANCE (A)	BOND (A)	TOTAL	
0 1980	0.	0.	0.	0.	0.	0.	0.
1 1981	0.	0.	0.	0.	0.	0.	0.
2 1982	0.	0.	0.	0.	0.	0.	0.
3 1983	0.	0.	0.	0.	0.	0.	0.
4 1984	0.	0.	0.	0.	0.	0.	0.
5 1985	0.	0.	0.	0.	0.	0.	0.
6 1986	0.	0.	0.	0.	0.	0.	0.
7 1987	0.	0.	0.	0.	0.	0.	0.
8 1988	0.	0.	0.	0.	0.	0.	0.
9 1989	0.	0.	0.	0.	0.	0.	0.
10 1990	0.	0.	0.	0.	0.	0.	0.
11 1991	178.6	750.2	928.9	93.3	682.7	3110.9	3884.9
12 1992	178.6	750.2	928.9	88.4	634.0	3110.9	3833.2
13 1993	178.6	1784.5	1963.2	83.5	1526.4	3110.9	4720.8
14 1994	1491.6	3054.8	4546.4	764.6	2566.4	3110.9	8441.8
15 1995	1491.6	3054.8	4546.4	723.6	2367.8	3102.4	6193.8
16 1996	2933.2	3054.8	5988.0	1435.8	2169.2	3037.1	8662.7
17 1997	4521.1	3054.8	7575.9	2184.8	1970.7	2957.0	7112.5
18 1998	4521.1	3054.8	7575.9	2060.5	1772.1	2783.6	6616.2
19 1999	4521.1	3054.8	7575.9	1936.2	1573.5	2583.4	6093.1
20 2000	4521.1	3054.8	7575.9	1811.8	1375.0	2352.1	5538.9
21 2001	4521.1	3054.8	7575.9	1687.5	1176.4	2085.0	4948.9
22 2002	4521.1	3054.8	7575.9	1563.2	977.9	1774.5	4312.5
23 2003	4521.1	3054.8	7575.9	1438.8	779.3	1420.1	3638.3
24 2004	4521.1	3054.8	7575.9	1314.5	580.7	1008.6	2903.8
25 2005	4521.1	3054.8	7575.9	1190.2	382.2	568.9	2142.1
26 2006	4521.1	2304.6	6825.7	818.3	232.4	211.2	1509.4
27 2007	4521.1	2304.6	6825.7	941.5	82.6	0.	1024.1
28 2008	4521.1	1270.3	5791.4	817.2	0.	0.	817.2
29 2009	4521.1	0.	4521.1	692.9	0.	0.	692.9
30 2010	4521.1	0.	4521.1	568.5	0.	0.	568.5
31 2011	4342.4	0.	4342.4	449.1	0.	0.	449.1
32 2012	4342.4	0.	4342.4	329.7	0.	0.	329.7
33 2013	4342.4	0.	4342.4	210.3	0.	0.	210.3
34 2014	3029.5	0.	3029.5	127.0	0.	0.	127.0
35 2015	3029.5	0.	3029.5	43.7	0.	0.	43.7
36 2016	1587.9	0.	1587.9	0.	0.	0.	0.
TOTAL	90421.7	45822.3	20070.0	156314.0	23622.7	20849.1	42460.7

APP 12.19 REPAYMENT SCHEDULE FOR DOMESTIC BONDS (Cases 11 through 17)

(Unit 10⁶Rp)

YEAR	REPAYMENT OF THE PRINCIPAL			REPAYMENT OF THE INTEREST			TOTAL
	BOND(A)	BOND(B)	TOTAL	BOND(A)	BOND(B)	TOTAL	
0 1980	0.	0.	0.	0.	0.	0.	0.
1 1981	0.	0.	0.	0.	0.	0.	0.
2 1982	0.	0.	0.	0.	0.	0.	0.
3 1983	0.	0.	0.	0.	0.	0.	0.
4 1984	0.	0.	0.	0.	0.	0.	0.
5 1985	0.	0.	0.	397.0	0.	397.0	397.0
6 1986	0.	0.	0.	1934.2	0.	1934.2	1934.2
7 1987	0.	0.	0.	4277.9	156.4	4434.3	4434.3
8 1988	0.	0.	0.	8463.2	729.6	9192.8	9192.8
9 1989	0.	0.	0.	11592.0	1519.9	13111.9	13111.9
10 1990	0.	0.	0.	14693.4	2520.3	17213.7	17213.7
11 1991	0.	0.	0.	14693.4	2520.3	17213.7	17213.7
12 1992	185.1	0.	185.1	14693.4	2520.3	17213.7	17398.8
13 1993	628.5	0.	628.5	14664.7	2520.3	17185.0	17813.5
14 1994	1432.6	104.3	1536.9	14567.3	2309.9	17077.2	18634.1
15 1995	2975.3	486.4	3461.7	14342.2	2461.2	16803.4	20265.4
16 1996	4407.0	1013.3	5420.3	13880.9	2359.9	16240.9	21661.1
17 1997	4031.7	1680.2	5711.9	13197.9	2191.9	15389.8	23121.7
18 1998	6989.8	1680.2	8670.0	12259.8	2023.9	14283.7	22953.7
19 1999	8073.2	1680.2	9753.4	11176.4	1855.9	13032.3	22785.7
20 2000	9324.5	1680.2	11004.7	9925.1	1687.8	11612.9	22617.7
21 2001	10749.8	1680.2	12430.0	8479.8	1519.8	9999.6	22449.6
22 2002	11637.1	1680.2	13317.3	6810.5	1351.8	8162.3	21499.5
23 2003	11712.0	1680.2	13392.2	5001.6	1183.8	6185.4	19579.6
24 2004	10457.0	1680.2	12137.2	3188.3	1015.8	4204.0	16341.2
25 2005	6594.7	1680.2	8274.9	1547.4	847.7	2415.2	10690.1
26 2006	3517.8	1680.2	5198.0	545.3	679.7	1225.0	6423.0
27 2007	0.	1680.2	1680.2	0.	511.7	511.7	2191.9
28 2008	0.	1680.2	1680.2	0.	343.7	343.7	2023.9
29 2009	0.	1575.9	1575.9	0.	186.1	186.1	1742.0
30 2010	0.	1193.8	1193.8	0.	66.7	66.7	1260.5
31 2011	0.	667.0	667.0	0.	0.	0.	667.0
TOTAL	94796.2	25203.2	119999.4	200553.7	35284.5	235838.2	355937.6

APP 12.20 REPAYMENT PROGRAM FOR HARBOUR ROAD, CASE 11

(Unit 10⁶Rp)

YEAR	(1) LOAN REPAYMENT	(2) REVENUE	(3) EXPENDITURE			(2)-(3) TOTAL	(4) TEMPORARY LOAN		TOTAL
			MAINT.	OPERAT.	TAX		LOAN	INTEREST	
0 1980	0.	0.	0.	0.	0.	0.	0.	0.	0.
1 1981	0.	0.	0.	0.	0.	0.	0.	0.	0.
2 1982	0.	0.	0.	0.	0.	0.	0.	0.	0.
3 1983	0.	0.	0.	0.	0.	0.	0.	0.	0.
4 1984	0.	0.	0.	0.	0.	0.	0.	0.	0.
5 1985	507.0	0.	0.	0.	0.	507.0	507.0	-80.6	-677.0
6 1986	1934.2	0.	0.	0.	0.	1934.2	1934.2	-2611.8	-2964.4
7 1987	4610.1	0.	0.	0.	0.	4610.1	4610.1	-7574.6	-8597.0
8 1988	10108.0	0.	0.	0.	0.	10108.0	10108.0	-18704.9	-21230.1
9 1989	15021.5	0.	0.	0.	0.	15021.5	15021.5	-34251.6	-41145.3
10 1990	20324.6	0.	0.	0.	0.	20324.6	20324.6	-61470.1	-69768.6
11 1991	22029.5	24135.0	3684.0	3665.0	0.	2349.5	16786.0	-75012.1	-85133.8
12 1992	22161.0	27503.0	4126.0	4104.0	0.	8230.0	19273.0	-88026.7	-99910.3
13 1993	24497.5	30873.0	4621.0	4597.0	0.	9218.0	21655.0	-102752.8	-116624.4
14 1994	29676.8	34240.0	5175.0	5148.0	0.	10323.0	23917.0	-122384.2	-135900.1
15 1995	31297.8	60172.0	5797.0	5766.0	5193.4	16756.4	43415.6	-126788.2	-171166.4
16 1996	34957.2	65560.0	6492.0	6458.0	5295.8	18245.8	47314.2	-131547.7	-149306.6
17 1997	38924.6	70948.0	7271.0	7233.0	5254.6	19758.6	51189.4	-137045.8	-155567.0
18 1998	38437.7	76340.0	8144.0	8101.0	6497.2	22742.2	53597.8	-140386.9	-189522.2
19 1999	37946.8	81728.0	39257.0	9073.0	0.	48330.0	33398.0	-163887.9	-186012.8
20 2000	37435.9	141564.0	88447.0	10162.0	1649.7	100258.7	41305.3	-182163.4	-206755.4
21 2001	36984.9	145165.0	11441.0	11382.0	25613.1	48436.1	96728.9	-146991.5	-198633.3
22 2002	35691.9	148759.0	12814.0	12747.0	26251.8	51812.8	96946.2	-105581.1	-119834.6
23 2003	33449.1	152340.0	14352.0	14277.0	27084.6	55713.6	96666.4	-56637.2	-64283.3
24 2004	29637.0	155955.0	16074.0	15990.0	28270.0	60334.0	95621.0	1680.1	1680.1
25 2005	22714.8	263880.0	18003.0	17909.0	61576.0	97488.0	166392.0	145357.3	145357.3
26 2006	16120.7	269825.0	20163.0	20058.0	66045.0	104266.0	165559.0	294795.7	294795.7
27 2007	10041.7	275781.0	22583.0	22465.0	66207.4	111255.4	184525.6	449279.6	449279.6
28 2008	8632.4	281725.0	25293.0	25161.0	66791.6	117245.0	164479.4	605126.6	605126.6
29 2009	6826.0	287681.0	28328.0	28180.0	42259.1	123747.1	163913.9	762044.5	762044.5
30 2010	6350.1	477995.0	31728.0	31562.0	122506.5	185796.5	292198.5	1047912.9	1047912.9
31 2011	5458.5	487690.0	35535.0	35349.0	123404.2	194288.2	293401.8	1335856.2	1335856.2
32 2012	4672.1	497368.0	39799.0	39799.0	123991.8	203381.8	293986.2	1625170.3	1625170.3
33 2013	4552.7	507063.0	44575.0	44342.0	124078.0	212995.0	294068.0	1914685.6	1914685.6
34 2014	3156.5	516140.0	49924.0	49663.0	124019.0	223606.0	292534.0	2204063.1	2204063.1
35 2015	3023.2	842296.0	55915.0	55623.0	218305.4	329843.4	512452.6	2713442.5	2713442.5
36 2016	1587.9	857780.0	62625.0	62298.0	219380.7	346303.7	513476.3	3225330.9	3225330.9
37 2017	0.	873292.0	70140.0	69773.0	220013.7	359926.7	513165.3	3738696.2	3738696.2
38 2018	0.	888776.0	78557.0	78146.0	219621.9	376374.9	512451.1	4251147.3	4251147.3
TOTAL	59904.1	8542594.0	810863.0	698823.0	1952310.5	3461996.6			

APP. 12.21 REPAYMENT PROGRAM FOR HARBOUR ROAD, CASE 12

										(Unit: 10 ⁶ Rp)		
YEAR	(1) LOAN REPAYMENT	(2) REVENUE	(3) EXPENDITURE				(2)-(3) TOTAL	(4) TEMPORARY LOAN				
			MAINT.	OPERAT.	TAX	TOTAL		LOAN	INTEREST	TOTAL		
0	1980	0.	0.	0.	0.	0.	0.	0.	0.	0.		
1	1981	0.	0.	0.	0.	0.	0.	0.	0.	0.		
2	1982	0.	0.	0.	0.	0.	0.	0.	0.	0.		
3	1983	0.	0.	0.	0.	0.	0.	0.	0.	0.		
4	1984	0.	0.	0.	0.	0.	0.	0.	0.	0.		
5	1985	597.0	0.	0.	0.	0.	0.	-597.0	-80.6	-677.6		
6	1986	1934.2	0.	0.	0.	0.	0.	-2611.8	-352.6	-2964.4		
7	1987	4610.1	0.	0.	0.	0.	0.	-7574.4	-1022.5	-8597.0		
8	1988	10108.0	0.	0.	0.	0.	0.	-18704.9	-2525.2	-21230.1		
9	1989	15021.5	0.	0.	0.	0.	0.	-36251.6	-4894.0	-41145.5		
10	1990	20324.6	0.	0.	0.	0.	0.	-61470.1	-8298.5	-69768.6		
11	1991	22029.5	26135.0	3684.0	3665.0	0.	7349.0	16786.0	-75012.1	-10126.6		
12	1992	22161.0	27503.0	4126.0	4104.0	0.	8230.0	19273.0	-88026.7	-11883.6		
13	1993	24497.5	30873.0	4621.0	4597.0	0.	9218.0	21655.0	-102752.8	-13871.6		
14	1994	29676.8	34240.0	5175.0	5148.0	0.	10323.0	23917.0	-122384.2	-16521.9		
15	1995	31297.8	60172.0	5797.0	5766.0	0.	11563.0	48609.0	-121594.9	-16415.3		
16	1996	34957.2	65560.0	6492.0	6458.0	0.	12950.0	52610.0	-120357.4	-16248.2		
17	1997	38928.6	70948.0	7271.0	7233.0	0.	14504.0	56444.0	-119090.2	-16077.2		
18	1998	38437.7	76340.0	8144.0	8101.0	0.	16245.0	60095.0	-113510.1	-15323.9		
19	1999	37946.8	81728.0	39257.0	9073.0	0.	48330.0	33398.0	-133382.7	-18004.7		
20	2000	37455.9	141564.0	88447.0	10162.0	0.	98609.0	42955.0	-145890.2	-19659.2		
21	2001	36964.9	145165.0	11441.0	11382.0	0.	22823.0	122342.0	-80208.3	-10828.1		
22	2002	35691.9	148749.0	12814.0	12747.0	0.	25561.0	123198.0	-3530.4	-476.6		
23	2003	33449.1	152360.0	14352.0	14277.0	0.	28629.0	123211.0	84274.8	0.		
24	2004	29657.6	155955.0	16074.0	15990.0	0.	32064.0	123891.0	180508.3	0.		
25	2005	22714.8	263880.0	18003.0	17909.0	0.	35912.0	227968.0	385761.4	0.		
26	2006	14120.7	269825.0	20163.0	20058.0	0.	40221.0	229604.0	599244.8	0.		
27	2007	10641.7	275781.0	22583.0	22465.0	0.	45048.0	230733.0	819936.1	0.		
28	2008	8632.4	281725.0	25293.0	25161.0	0.	50454.0	231271.0	1042574.6	0.		
29	2009	6976.0	287681.0	28328.0	28180.0	0.	56508.0	231173.0	1266771.7	0.		
30	2010	6350.1	477905.0	31728.0	31562.0	0.	63290.0	416705.0	1675126.6	0.		
31	2011	5458.5	487400.0	35355.0	35349.0	0.	70884.0	416806.0	2086474.0	0.		
32	2012	4672.1	497368.0	39799.0	39591.0	0.	79390.0	417978.0	2499779.9	0.		
33	2013	4552.7	507063.0	44575.0	44342.0	0.	88917.0	418146.0	2913373.2	0.		
34	2014	3156.5	516140.0	49924.0	49663.0	0.	99587.0	418553.0	3326769.7	0.		
35	2015	3073.2	842206.0	55915.0	55823.0	0.	111538.0	730758.0	4054454.5	0.		
36	2016	1587.9	857780.0	62625.0	62298.0	0.	124923.0	737857.0	4785723.6	0.		
37	2017	0.	873292.0	70140.0	69773.0	0.	139913.0	733379.0	5519102.6	0.		
38	2018	0.	888776.0	78557.0	78146.0	0.	156703.0	732073.0	6251175.6	0.		
TOTAL												
	599086.1	8542504.0	810863.0	698823.0	0.	1509486.0						

APP. 12.22 REPAYMENT PROGRAM FOR HARBOUR ROAD, CASE 14

										(Unit: 10 ⁶ Rp)		
YEAR	(1) LOAN REPAYMENT	(2) REVENUE	(3) EXPENDITURE				(2)-(3) TOTAL	(4) TEMPORARY LOAN				
			MAINT.	OPERAT.	TAX	TOTAL		LOAN	INTEREST	TOTAL		
0	1980	0.	0.	0.	0.	0.	0.	0.	0.	0.		
1	1981	0.	0.	0.	0.	0.	0.	0.	0.	0.		
2	1982	0.	0.	0.	0.	0.	0.	0.	0.	0.		
3	1983	0.	0.	0.	0.	0.	0.	0.	0.	0.		
4	1984	0.	0.	0.	0.	0.	0.	0.	0.	0.		
5	1985	597.0	0.	0.	0.	0.	0.	-597.0	-80.6	-677.6		
6	1986	1944.2	0.	0.	0.	0.	0.	-2611.8	-352.6	-2964.4		
7	1987	4610.1	0.	0.	0.	0.	0.	-7574.4	-1022.5	-8597.0		
8	1988	10108.0	0.	0.	0.	0.	0.	-18704.9	-2525.2	-21230.1		
9	1989	15021.5	0.	0.	0.	0.	0.	-36251.6	-4894.0	-41145.5		
10	1990	20324.6	0.	0.	0.	0.	0.	-61470.1	-8298.5	-69768.6		
11	1991	22029.5	26135.0	3684.0	3665.0	0.	7349.0	16786.0	-75012.1	-10126.6		
12	1992	22161.0	27503.0	4126.0	4104.0	0.	8230.0	19273.0	-88026.7	-11883.6		
13	1993	24497.5	30873.0	4621.0	4597.0	0.	9218.0	21655.0	-102752.8	-13871.6		
14	1994	29676.8	34240.0	5175.0	5148.0	0.	10323.0	23917.0	-122384.2	-16521.9		
15	1995	31297.8	60172.0	5797.0	5766.0	0.	11563.0	48609.0	-121594.9	-16415.3		
16	1996	34957.2	65560.0	6492.0	6458.0	0.	12950.0	52610.0	-120357.4	-16248.2		
17	1997	38928.6	70948.0	7271.0	7233.0	0.	14504.0	56444.0	-119090.2	-16077.2		
18	1998	38437.7	76340.0	8144.0	8101.0	0.	16245.0	60095.0	-113510.1	-15323.9		
19	1999	37946.8	81728.0	39257.0	9073.0	0.	48330.0	33398.0	-133382.7	-18004.7		
20	2000	37455.9	141564.0	10215.0	10162.0	0.	98609.0	42955.0	-145890.2	-19659.2		
21	2001	36964.9	145165.0	11441.0	11382.0	0.	22823.0	122342.0	-80208.3	-10828.1		
22	2002	35691.9	148749.0	12814.0	12747.0	0.	25561.0	123198.0	-3530.4	-476.6		
23	2003	33449.1	152360.0	14352.0	14277.0	0.	28629.0	123211.0	84274.8	0.		
24	2004	29657.6	155955.0	16074.0	15990.0	0.	32064.0	123891.0	180508.3	0.		
25	2005	22714.8	263880.0	18003.0	17909.0	0.	35912.0	227968.0	385761.4	0.		
26	2006	14120.7	269825.0	20163.0	20058.0	0.	40221.0	229604.0	599244.8	0.		
27	2007	10641.7	275781.0	22583.0	22465.0	0.	45048.0	230733.0	819936.1	0.		
28	2008	8632.4	281725.0	25293.0	25161.0	0.	50454.0	231271.0	1042574.6	0.		
29	2009	6976.0	287681.0	28328.0	28180.0	0.	56508.0	231173.0	1266771.7	0.		
30	2010	6350.1	477905.0	31728.0	31562.0	0.	63290.0	416705.0	1675126.6	0.		
31	2011	5458.5	487400.0	35355.0	35349.0	0.	70884.0	416806.0	2086474.0	0.		
32	2012	4672.1	497368.0	39799.0	39591.0	0.	79390.0	417978.0	2499779.9	0.		
33	2013	4552.7	507063.0	44575.0	44342.0	0.	88917.0	418146.0	2913373.2	0.		
34	2014	3156.5	516140.0	49924.0	49663.0	0.	99587.0	418553.0	3326769.7	0.		
35	2015	3073.2	842206.0	55915.0	55823.0	0.	111538.0	730758.0	4054454.5	0.		
36	2016	1587.9	857780.0	62625.0	62298.0	0.	124923.0	737857.0	4785723.6	0.		
37	2017	0.	873292.0	70140.0	69773.0	0.	139913.0	733379.0	5519102.6	0.		
38	2018	0.	888776.0	78557.0	78146.0	0.	156703.0	732073.0	6251175.6	0.		
TOTAL												
	599086.1	8542504.0	702495.0	698823.0	1983456.3	3384774.3						

APP. 12.23 REPAYMENT PROGRAM FOR HARBOUR ROAD, CASE 15

(Unit 10⁶ R)

YEAR	(1) LOAN REPAYMENT	(2) REVENUE	(3) EXPENDITURE			(2)-(3) TOTAL	(4) TEMPORARY LOAN	
			MAINT.	OPERAT.	TAX		LOAN INTEREST	TOTAL
0 1981	0	0	0	0	0	0	0	0
1 1981	0	0	0	0	0	0	0	0
2 1982	0	0	0	0	0	0	0	0
3 1983	0	0	0	0	0	0	0	0
4 1984	0	0	0	0	0	0	0	0
5 1985	597.0	0	0	0	0	0	0	0
6 1986	1934.2	0	0	0	0	0	-597.0	-80.6
7 1987	4611.1	0	0	0	0	0	-2611.8	-352.6
8 1988	10108.0	0	0	0	0	0	-7574.6	-2964.4
9 1989	15021.5	0	0	0	0	0	-10222.5	-8597.0
10 1990	20324.6	0	0	0	0	0	-18704.9	-21230.1
11 1991	22029.5	24135.0	3684.0	3645.0	0	7349.0	-36251.6	-41145.5
12 1992	22161.0	27503.0	4126.0	4104.0	0	8230.0	-61470.3	-69768.6
13 1993	24492.5	30873.0	4621.0	4597.0	0	9218.0	-75012.1	-85138.8
14 1994	29676.8	34240.0	5175.0	5148.0	0	10323.0	-88028.7	-11883.6
15 1995	31297.8	60172.0	5797.0	5766.0	0	11563.0	-102752.8	-13871.6
16 1996	34957.2	65540.0	6492.0	6458.0	0	12950.0	-122384.2	-16521.9
17 1997	38928.6	70948.0	7271.0	7233.0	0	14504.0	-121594.9	-16415.3
18 1998	38437.7	76340.0	8144.0	8101.0	0	16245.0	-120357.4	-16248.2
19 1999	37946.8	81728.0	9121.0	9073.0	0	18194.0	-119090.2	-16077.2
20 2000	37455.9	141544.0	10215.0	10162.0	0	20377.0	-113510.1	-15323.9
21 2001	36964.9	145145.0	11441.0	11382.0	0	22873.0	-103246.7	-13938.3
22 2002	35691.9	148759.0	12814.0	12747.0	0	25561.0	-93453.9	-4516.3
23 2003	33449.1	152340.0	14352.0	14277.0	0	28629.0	121187.0	0
24 2004	29657.6	155955.0	16074.0	15990.0	0	32066.0	123731.0	0
25 2005	22714.8	263880.0	18003.0	17909.0	0	35912.0	123422.0	0
26 2006	16120.7	269825.0	20163.0	20058.0	0	39927.0	123891.0	0
27 2007	10041.7	275781.0	22583.0	22465.0	0	45048.0	123913.0	0
28 2008	8632.4	281725.0	25293.0	25161.0	0	50454.0	123127.0	0
29 2009	6976.0	287681.0	28328.0	28180.0	0	56508.0	123173.0	0
30 2010	6350.1	477995.0	31728.0	31562.0	0	63290.0	123175.0	0
31 2011	5458.5	487690.0	35535.0	35349.0	0	70884.0	123176.0	0
32 2012	4672.1	497368.0	39799.0	39591.0	0	79390.0	123178.0	0
33 2013	4552.7	507063.0	44575.0	44342.0	0	88917.0	123179.0	0
34 2014	3156.5	516140.0	49924.0	49663.0	0	99587.0	123180.0	0
35 2015	3073.2	842296.0	55915.0	55623.0	0	115380.0	123181.0	0
36 2016	1587.9	857780.0	62625.0	62298.0	0	124923.0	123182.0	0
37 2017	0	873292.0	70140.0	69773.0	0	139913.0	123183.0	0
38 2018	0	888776.0	78557.0	78146.0	0	156703.0	123184.0	0
TOTAL	599084.1	8542594.0	702495.0	698823.0	0	1401318.0		

PAGE = 31

APP. 12.24 REPAYMENT PROGRAM FOR HARBOUR ROAD, CASE 17

(Unit 10⁶ R)

YEAR	(1) LOAN REPAYMENT	(2) REVENUE	(3) EXPENDITURE			(2)-(3) TOTAL	(4) TEMPORARY LOAN	
			MAINT.	OPERAT.	TAX		LOAN INTEREST	TOTAL
0 1980	0	0	0	0	0	0	0	0
1 1981	0	0	0	0	0	0	0	0
2 1982	0	0	0	0	0	0	0	0
3 1983	0	50000.0	0	0	0	50000.0	50000.0	50000.0
4 1984	0	0	0	0	0	0	50000.0	50000.0
5 1985	597.0	0	0	0	0	0	49403.0	49403.0
6 1986	1934.2	0	0	0	0	0	47468.8	47468.8
7 1987	4611.1	0	0	0	0	0	42858.8	42858.8
8 1988	10108.0	0	0	0	0	0	32750.8	32750.8
9 1989	15021.5	0	0	0	0	0	17229.3	17229.3
10 1990	20324.6	0	0	0	0	0	-2595.3	-2945.6
11 1991	22029.5	24135.0	3684.0	3665.0	0	7349.0	16786.0	-8189.2
12 1992	22161.0	27503.0	4126.0	4104.0	0	8230.0	19273.0	-12182.7
13 1993	24492.5	30873.0	4621.0	4597.0	0	9218.0	21655.0	-16669.8
14 1994	29676.8	34240.0	5175.0	5148.0	0	10323.0	23917.0	-24680.0
15 1995	31297.8	60172.0	5797.0	5766.0	0	11563.0	46090.0	-19894.0
16 1996	34957.2	65540.0	6492.0	6458.0	0	12950.0	57610.0	-120357.4
17 1997	38928.6	70948.0	7271.0	7233.0	0	14504.0	64544.0	-119090.2
18 1998	38437.7	76340.0	8144.0	8101.0	0	16245.0	64095.0	-113510.1
19 1999	37946.8	81728.0	9121.0	9073.0	0	18194.0	63536.0	-103246.7
20 2000	37455.9	141544.0	10215.0	10162.0	0	20377.0	121187.0	-33453.9
21 2001	36964.9	145145.0	11441.0	11382.0	0	22873.0	121187.0	-33453.9
22 2002	35691.9	148759.0	12814.0	12747.0	0	25561.0	122342.0	-47406.9
23 2003	33449.1	152340.0	14352.0	14277.0	0	28629.0	123198.0	136913.0
24 2004	29657.6	155955.0	16074.0	15990.0	0	32066.0	123731.0	125194.8
25 2005	22714.8	263880.0	18003.0	17909.0	0	35912.0	123891.0	119428.5
26 2006	16120.7	269825.0	20163.0	20058.0	0	39927.0	123913.0	124681.4
27 2007	10041.7	275781.0	22583.0	22465.0	0	45048.0	123913.0	124681.4
28 2008	8632.4	281725.0	25293.0	25161.0	0	50454.0	123127.0	123184.0
29 2009	6976.0	287681.0	28328.0	28180.0	0	56508.0	123173.0	123184.0
30 2010	6350.1	477995.0	31728.0	31562.0	0	63290.0	123175.0	123184.0
31 2011	5458.5	487690.0	35535.0	35349.0	0	70884.0	123176.0	123184.0
32 2012	4672.1	497368.0	39799.0	39591.0	0	79390.0	123178.0	123184.0
33 2013	4552.7	507063.0	44575.0	44342.0	0	88917.0	123179.0	123184.0
34 2014	3156.5	516140.0	49924.0	49663.0	0	99587.0	123180.0	123184.0
35 2015	3073.2	842296.0	55915.0	55623.0	0	115380.0	123181.0	123184.0
36 2016	1587.9	857780.0	62625.0	62298.0	0	124923.0	123182.0	123184.0
37 2017	0	873292.0	70140.0	69773.0	0	139913.0	123183.0	123184.0
38 2018	0	888776.0	78557.0	78146.0	0	156703.0	123184.0	123184.0
TOTAL	599084.1	8592594.0	702495.0	698823.0	1983456.3	3384774.3		

APP. 12.25 REPAYMENT SCHEDULE FOR FOREIGN LOANS AND BONDS (Cases 20 through 26) (Unit: 10⁹ Rp)

YEAR	REPAYMENT OF THE PRINCIPAL			REPAYMENT OF THE INTEREST			TOTAL
	INTE'L FINANCE (A)	BOND (B)	TOTAL	INTE'L FINANCE (A)	BOND (B)	TOTAL	
0 1980	0.	0.	0.	0.	0.	0.	0.
1 1981	0.	0.	0.	0.	0.	0.	0.
2 1982	0.	0.	0.	0.	0.	0.	0.
3 1983	0.	0.	0.	0.	0.	0.	0.
4 1984	0.	0.	0.	0.	0.	0.	0.
5 1985	0.	0.	0.	0.	0.	0.	0.
6 1986	0.	0.	0.	0.	175.7	175.7	175.7
7 1987	0.	0.	0.	0.	915.2	915.2	915.2
8 1988	0.	0.	0.	0.	1909.5	1909.5	1909.5
9 1989	0.	0.	0.	0.	3110.9	3110.9	3110.9
10 1990	0.	0.	0.	0.	3110.9	3110.9	3110.9
11 1991	0.	0.	0.	0.	3110.9	3110.9	3110.9
12 1992	0.	0.	0.	0.	3110.9	3110.9	3110.9
13 1993	0.	0.	54.5	0.	0.	54.5	3394.4
14 1994	0.	0.	292.2	0.	0.	292.2	3703.0
15 1995	0.	0.	645.9	0.	0.	645.9	4075.5
16 1996	0.	0.	1118.5	0.	0.	1118.5	4075.5
17 1997	0.	0.	1291.8	0.	0.	1291.8	4075.5
18 1998	0.	0.	1492.1	0.	0.	1492.1	4075.5
19 1999	0.	0.	1723.3	0.	0.	1723.3	4075.5
20 2000	0.	0.	1990.5	0.	0.	1990.5	4075.5
21 2001	0.	0.	2299.0	0.	0.	2299.0	4075.5
22 2002	0.	0.	2655.3	0.	0.	2655.3	3845.2
23 2003	0.	0.	2836.7	0.	0.	2836.7	2876.5
24 2004	0.	0.	2307.6	0.	0.	2307.6	1573.8
25 2005	0.	0.	1362.6	0.	0.	1362.6	
26 2006	0.	0.		0.	0.		
TOTAL	0.	0.	20070.0	0.	0.	42460.7	62530.7

APP. 12.26 REPAYMENT SCHEDULE FOR DOMESTIC BONDS (Cases 20 through 26) (Unit: 10⁹ Rp)

YEAR	REPAYMENT OF THE PRINCIPAL			REPAYMENT OF THE INTEREST			TOTAL
	BOND (A)	PLNO (B)	TOTAL	BOND (A)	BOND (B)	TOTAL	
0 1980	0.	0.	0.	0.	0.	0.	0.
1 1981	0.	0.	0.	0.	0.	0.	0.
2 1982	0.	0.	0.	0.	0.	0.	0.
3 1983	0.	0.	0.	0.	0.	0.	0.
4 1984	0.	0.	0.	0.	0.	0.	0.
5 1985	0.	0.	0.	597.0	0.	597.0	597.0
6 1986	0.	0.	0.	1934.2	0.	1934.2	1934.2
7 1987	0.	0.	0.	4277.9	156.4	4434.3	4434.3
8 1988	0.	0.	0.	8463.2	729.6	9192.8	9192.8
9 1989	0.	0.	0.	11592.0	1519.9	13111.9	13111.9
10 1990	0.	0.	0.	14693.4	2520.3	17213.7	17213.7
11 1991	0.	0.	0.	14693.4	2520.3	17213.7	17213.7
12 1992	185.1	0.	185.1	14693.4	2520.3	17213.7	17398.8
13 1993	628.5	0.	628.5	14664.7	2520.3	17185.0	17813.5
14 1994	1452.6	104.3	1556.9	14567.3	2509.9	17077.2	18634.1
15 1995	2975.5	486.4	3462.0	14342.2	2461.2	16803.4	20265.4
16 1996	4407.0	1015.3	5420.2	13880.9	2359.9	16240.9	21661.1
17 1997	6051.7	1680.2	7732.0	13197.9	2191.9	15389.8	23121.7
18 1998	6989.8	1680.2	8670.0	12259.8	2023.9	14283.7	22953.7
19 1999	8073.2	1680.2	9753.4	11176.4	1855.9	13032.3	22785.7
20 2000	9324.5	1680.2	11004.7	9925.1	1687.8	11612.9	22617.7
21 2001	10769.8	1680.2	12450.0	8479.8	1519.8	9999.6	22449.6
22 2002	11657.1	1680.2	13337.3	6810.5	1351.8	8162.3	21499.5
23 2003	11712.0	1680.2	13392.2	5003.6	1183.8	6187.4	19579.6
24 2004	10457.0	1680.2	12137.2	3188.3	1015.6	4204.0	16341.2
25 2005	6594.7	1680.2	8274.9	1567.4	847.7	2415.2	10690.1
26 2006	3517.8	1680.2	5198.0	545.3	679.7	1225.0	6423.0
27 2007	0.	1680.2	1680.2	0.	511.7	511.7	2191.9
28 2008	0.	1680.2	1680.2	0.	343.7	343.7	2023.9
29 2009	0.	1575.9	1575.9	0.	186.1	186.1	1789.0
30 2010	0.	1193.8	1193.8	0.	66.7	66.7	1260.5
31 2011	0.	667.0	667.0	0.	0.	0.	667.0
TOTAL	94796.2	25203.2	119999.4	200553.7	35284.5	235838.2	355837.6

APP.12.27 REPAYMENT PROGRAM FOR HARBOUR ROAD, CASE 20

YEAR	(Unit 10 ⁶ Rp)									
	(1) LOAN	(2)	(3) EXPENDITURE					(4) TEMPORARY LOAN		
	REPAYMENT	REVENUE	MAINT.	OPERAT.	TAX	TOTAL	(2)-(3)	LOAN	INTEREST	TOTAL
0 1980	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
1 1981	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
2 1982	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
3 1983	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
4 1984	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
5 1985	597.0	0.	0.	0.	0.	0.	0.	-597.0	-80.6	-677.6
6 1986	1934.2	0.	0.	0.	0.	0.	0.	-2611.8	-352.6	-2964.4
7 1987	4610.1	0.	0.	0.	0.	0.	0.	-7574.4	-1022.5	-8597.0
8 1988	10108.0	0.	0.	0.	0.	0.	0.	-18704.9	-2525.2	-21230.1
9 1989	15021.5	0.	0.	0.	0.	0.	0.	-36251.6	-4894.0	-41145.5
10 1990	20324.6	0.	0.	0.	0.	0.	0.	-61470.1	-8298.5	-69768.6
11 1991	20324.6	24135.0	3684.0	3665.0	0.	7349.0	16786.0	-73307.2	-9896.5	-83203.6
12 1992	20509.7	27503.0	4126.0	4104.0	0.	8230.0	19273.0	-84440.3	-11399.4	-95839.8
13 1993	20924.3	30873.0	4621.0	4597.0	219.2	9437.2	21435.8	-95328.5	-12869.5	-108197.7
14 1994	21799.4	34240.0	5175.0	5148.0	635.3	10958.3	23281.7	-106715.4	-14406.6	-121121.9
15 1995	23660.0	60172.0	5797.0	5766.0	7484.7	19047.7	41124.5	-103657.6	-13993.8	-117651.4
16 1996	25364.1	65540.0	6492.0	6458.0	8173.8	21123.8	44436.2	-98579.3	-13308.2	-111887.5
17 1997	27197.2	70948.0	7271.0	7233.0	8774.0	23278.0	47670.0	-91414.7	-12314.0	-103728.7
18 1998	27197.2	70948.0	8144.0	8101.0	9919.7	26164.7	50175.3	-80609.6	-10882.3	-91491.9
19 1999	28861.1	81728.0	8844.0	8807.0	1961.1	50291.1	31446.9	-86916.1	-11735.7	-98651.8
20 2000	26693.1	141564.0	10162.0	10162.0	4878.6	103487.6	38076.6	-87264.6	-11781.0	-99047.4
21 2001	26525.1	145165.0	11441.0	11382.0	28745.1	51568.1	93596.9	-31975.6	-4516.7	-36492.3
22 2002	25575.0	148759.0	12814.0	12747.0	29286.9	54867.9	93911.1	32043.8	0.	32043.8
23 2003	23655.1	152360.0	14352.0	14277.0	30022.8	58651.8	93708.2	102096.9	0.	102096.9
24 2004	20186.4	155955.0	16074.0	15990.0	31111.4	63175.4	92779.6	174690.1	0.	174690.1
25 2005	13566.0	263880.0	18003.0	17909.0	64520.4	100232.4	163647.6	324771.1	0.	324771.1
26 2006	7996.8	269825.0	20163.0	20058.0	66862.2	106705.2	165721.8	479896.2	0.	479896.2
27 2007	2191.9	275781.0	22583.0	22465.0	68562.3	113610.3	162170.7	639874.9	0.	639874.9
28 2008	2023.9	281725.0	25293.0	25161.0	68774.1	119228.1	162496.9	800347.9	0.	800347.9
29 2009	1762.0	287681.0	28328.0	28180.0	69351.9	125859.9	162347.9	960935.6	0.	960935.6
30 2010	1260.5	477995.0	31728.0	31562.0	124033.4	187373.4	290671.6	1250346.8	0.	1250346.8
31 2011	667.0	487690.0	35535.0	35349.0	124861.7	195725.7	291964.5	1541644.1	0.	1541644.1
32 2012	0.	497368.0	39799.0	39591.0	125393.4	204743.4	292584.6	1836228.7	0.	1836228.7
33 2013	0.	507063.0	44575.0	44342.0	125443.8	214360.8	292702.2	2126930.9	0.	2126930.9
34 2014	0.	516140.0	49924.0	49663.0	124965.9	224552.9	291587.1	2418518.0	0.	2418518.0
35 2015	0.	842296.0	55915.0	55623.0	219227.4	330745.4	511510.6	2930048.6	0.	2930048.6
36 2016	0.	857780.0	62625.0	62298.0	219857.1	344780.1	512999.9	3443048.5	0.	3443048.5
37 2017	0.	873292.0	70140.0	69773.0	220013.7	359926.7	513365.3	3956413.8	0.	3956413.8
38 2018	0.	888776.0	78557.0	78146.0	219621.9	376324.9	512451.1	4468864.9	0.	4468864.9
TOTAL	418368.3	8542594.0	702495.0	698823.0	2001573.1	3511259.1				

APP.12.28 REPAYMENT PROGRAM FOR HARBOUR ROAD, CASE 22

YEAR	(Unit 10 ⁶ Rp)									
	(1) LOAN	(2)	(3) EXPENDITURE					(4) TEMPORARY LOAN		
	REPAYMENT	REVENUE	MAINT.	OPERAT.	TAX	TOTAL	(2)-(3)	LOAN	INTEREST	TOTAL
0 1980	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
1 1981	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
2 1982	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
3 1983	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
4 1984	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
5 1985	597.0	0.	0.	0.	0.	0.	0.	-597.0	-80.6	-677.6
6 1986	1934.2	0.	0.	0.	0.	0.	0.	-2611.8	-352.6	-2964.4
7 1987	4610.1	0.	0.	0.	0.	0.	0.	-7574.4	-1022.5	-8597.0
8 1988	10108.0	0.	0.	0.	0.	0.	0.	-18704.9	-2525.2	-21230.1
9 1989	15021.5	0.	0.	0.	0.	0.	0.	-36251.6	-4894.0	-41145.5
10 1990	20324.6	0.	0.	0.	0.	0.	0.	-61470.1	-8298.5	-69768.6
11 1991	20324.6	24135.0	3684.0	3665.0	5035.8	12384.8	11750.2	-78343.0	-10576.3	-88919.3
12 1992	20509.7	27503.0	4126.0	4104.0	5781.9	14011.9	13491.1	-95937.9	-12951.6	-108889.5
13 1993	20924.3	30873.0	4621.0	4597.0	6496.5	15714.5	15158.5	-114655.3	-15478.5	-130133.8
14 1994	21799.4	34240.0	5175.0	5148.0	7175.1	17408.1	16741.9	-135191.3	-18250.8	-153442.2
15 1995	23660.0	60172.0	5797.0	5766.0	8173.8	21123.8	34026.3	-143075.9	-19315.2	-162391.1
16 1996	25364.1	65540.0	6492.0	6458.0	9175.0	26733.0	36827.0	-150928.2	-20375.3	-171303.5
17 1997	27197.2	70948.0	7271.0	7233.0	10283.2	31437.2	39310.8	-158989.9	-21463.6	-180453.5
18 1998	27197.2	70948.0	8144.0	8101.0	11802.5	34273.5	42066.5	-165416.7	-22331.2	-187747.4
19 1999	28861.1	81728.0	8844.0	8807.0	13254.2	37254.2	44473.8	-170134.7	-22968.2	-193102.9
20 2000	26693.1	141564.0	10162.0	10162.0	36336.1	56733.1	84830.9	-134965.1	-18220.3	-153185.4
21 2001	26525.1	145165.0	11441.0	11382.0	36702.6	59525.6	85639.4	-94071.1	-12699.6	-106770.7
22 2002	25575.0	148759.0	12814.0	12747.0	34959.4	62520.4	86238.6	-46107.2	-6224.5	-52331.6
23 2003	23655.1	152360.0	14352.0	14277.0	37119.3	65748.3	86611.7	10825.0	0.	10825.0
24 2004	20186.4	155955.0	16074.0	15990.0	37167.3	69231.3	86723.7	77162.3	0.	77162.3
25 2005	13566.0	263880.0	18003.0	17909.0	68390.4	104302.4	159577.6	223173.3	0.	223173.3
26 2006	7996.8	269825.0	20163.0	20058.0	68881.2	109102.2	160722.8	375899.3	0.	375899.3
27 2007	2191.9	275781.0	22583.0	22465.0	69219.9	114267.9	161513.1	535220.5	0.	535220.5
28 2008	2023.9	281725.0	25293.0	25161.0	69381.3	119835.3	161889.7	695086.3	0.	695086.3
29 2009	1762.0	287681.0	28328.0	28180.0	69351.9	125859.9	161821.1	855145.4	0.	855145.4
30 2010	1260.5	477995.0	31728.0	31562.0	124411.5	187701.5	290293.5	1144178.4	0.	1144178.4
31 2011	667.0	487690.0	35535.0	35349.0	125304.8	195925.8	291764.2	1435275.7	0.	1435275.7
32 2012	0.	497368.0	39799.0	39591.0	125393.4	204783.4	292584.6	1727860.3	0.	1727860.3
33 2013	0.	507063.0	44575.0	44342.0	125443.8	214360.8	292702.2	2020962.5	0.	2020962.5
34 2014	0.	516140.0	49924.0	49663.0	124965.9	224552.9	291587.1	2312149.6	0.	2312149.6
35 2015	0.	842296.0	55915.0	55623.0	219227.4	330745.4	511510.6	2823680.2	0.	2823680.2
36 2016	0.	857780.0	62625.0	62298.0	219857.1	344780.1	512999.9	3336680.1	0.	3336680.1
37 2017	0.	873292.0	70140.0	69773.0	220013.7	359926.7	513365.3	3850045.4	0.	3850045.4
38 2018	0.	888776.0	78557.0	78146.0	219621.9	376324.9	512451.1	4362496.5	0.	4362496.5
TOTAL	418368.3	8542594.0	702495.0	698823.0	2142382.8	3543700.8				

APP. 12.29 REPAYMENT PROGRAM FOR HARBOUR ROAD, CASE 23

(Unit: 10⁶ \$)

YEAR	(1) LOAN REPAYMENT	(2) REVENUE	(3) EXPENDITURE				(2)-(3) TOTAL	(4) TEMPORARY LOAN			
			MAINT.	OPERAT.	TAX	TOTAL		LOAN	INTEREST	TOTAL	
0	1981	0.	0.	0.	0.	0.	0.	0.	0.	0.	
1	1981	0.	0.	0.	0.	0.	0.	0.	0.	0.	
2	1981	0.	0.	0.	0.	0.	0.	0.	0.	0.	
3	1983	0.	0.	0.	0.	0.	0.	0.	0.	0.	
4	1984	0.	0.	0.	0.	0.	0.	0.	0.	0.	
5	1985	597.0	0.	0.	0.	0.	0.	-597.0	-80.6	-677.6	
6	1986	1934.2	0.	0.	0.	0.	0.	-2611.8	-352.6	-2964.4	
7	1987	4610.1	0.	0.	0.	0.	0.	-7574.4	-1022.5	-8597.0	
8	1988	10108.0	0.	0.	0.	0.	0.	-18704.9	-2525.2	-21230.1	
9	1989	15021.5	0.	0.	0.	0.	0.	-36251.6	-4894.0	-41145.5	
10	1990	20324.0	0.	0.	0.	0.	0.	-61470.1	-8298.5	-69768.6	
11	1991	20324.0	24135.0	3684.0	3682.0	0.	7349.0	16786.0	-73307.2	-9896.5	-83203.6
12	1992	20509.7	27503.0	4126.0	4104.0	0.	8230.0	19273.0	-84440.3	-11399.4	-95839.8
13	1993	20924.3	30673.0	4621.0	4597.0	219.2	9437.2	21635.8	-95328.3	-12869.3	-108197.7
14	1994	21799.4	34240.0	5175.0	5148.0	635.3	10958.3	23281.7	-106715.4	-14406.6	-121121.9
15	1995	23660.0	60177.0	5797.0	5740.0	7484.7	19047.7	41174.3	-103657.6	-13993.8	-117651.4
16	1996	25384.1	65360.0	6492.0	6458.0	8173.8	21123.8	44436.2	-98579.3	-13308.2	-111887.5
17	1997	27197.2	70948.0	7271.0	7233.0	8774.0	23278.0	47670.0	-91414.7	-12341.0	-103755.7
18	1998	27029.2	74564.0	8144.0	8101.0	9919.7	26164.7	50175.3	-80609.6	-10882.3	-91491.9
19	1999	26861.1	81728.0	9121.0	9073.0	11001.9	29195.9	52532.1	-85820.9	-8885.8	-74706.7
20	2000	26693.1	145165.0	10215.0	10162.0	28348.2	48725.2	92838.8	-8561.0	-1155.7	-9716.8
21	2001	26525.1	145165.0	11441.0	11382.0	28745.1	51568.1	93596.9	57355.1	0.	57355.1
22	2002	25575.0	148759.0	12814.0	12747.0	29286.4	54847.9	93911.1	125691.2	0.	125691.2
23	2003	23655.1	152360.0	14352.0	14277.0	30022.9	58651.8	93708.2	195744.3	0.	195744.3
24	2004	20186.4	155955.0	16074.0	15990.0	31111.4	63175.4	92779.6	268337.3	0.	268337.3
25	2005	13566.6	263880.0	18003.0	17909.0	64320.4	100232.4	163647.6	418418.9	0.	418418.9
26	2006	7996.8	269625.0	20163.0	20058.0	68881.2	109102.2	160722.8	620043.5	0.	620043.5
27	2007	2191.9	275781.0	22583.0	22465.0	69219.9	114267.9	161513.1	779364.7	0.	779364.7
28	2008	2023.9	281775.0	25293.0	25161.0	69381.3	119835.3	161889.7	939230.6	0.	939230.6
29	2009	1762.0	267681.0	28328.0	28180.0	69351.9	125859.9	161821.1	1099289.7	0.	1099289.7
30	2010	1260.5	477995.0	31728.0	31562.0	124411.5	187701.5	290293.5	1388322.7	0.	1388322.7
31	2011	647.0	467690.0	35535.0	35349.0	125041.8	195925.8	291744.2	1679419.9	0.	1679419.9
32	2012	0.	497368.0	39799.0	39591.0	125393.4	204783.4	292584.6	1972004.5	0.	1972004.5
33	2013	0.	507063.0	44575.0	44342.0	125443.8	214360.8	297702.2	2260704.7	0.	2260704.7
34	2014	0.	516140.0	49924.0	49663.0	124965.9	224552.9	291587.1	2512165.4	0.	2512165.4
35	2015	0.	842496.0	55915.0	55673.0	219227.4	330765.4	511530.6	3067824.4	0.	3067824.4
36	2016	0.	857780.0	62625.0	62298.0	219857.1	344780.1	512999.9	3580824.3	0.	3580824.3
37	2017	0.	871292.0	70140.0	69773.0	220013.7	359926.7	513365.3	4094189.6	0.	4094189.6
38	2018	0.	888776.0	78557.0	78146.0	219621.9	376324.9	512451.1	4562512.3	0.	4562512.3
TOTAL											

APP. 12.30 REPAYMENT PROGRAM FOR HARBOUR ROAD, CASE 25

(Unit: 10⁶ \$)

YEAR	(1) LOAN REPAYMENT	(2) REVENUE	(3) EXPENDITURE				(2)-(3) TOTAL	(4) TEMPORARY LOAN			
			MAINT.	OPERAT.	TAX	TOTAL		LOAN	INTEREST	TOTAL	
0	1980	0.	0.	0.	0.	0.	0.	0.	0.	0.	
1	1981	0.	0.	0.	0.	0.	0.	0.	0.	0.	
2	1982	0.	0.	0.	0.	0.	0.	0.	0.	0.	
3	1983	0.	50000.0	0.	0.	0.	0.	50000.0	50000.0	0.	50000.0
4	1984	0.	0.	0.	0.	0.	0.	0.	50000.0	0.	50000.0
5	1985	597.0	0.	0.	0.	0.	0.	0.	49403.0	0.	49403.0
6	1986	1934.2	0.	0.	0.	0.	0.	0.	47468.8	0.	47468.8
7	1987	4610.1	0.	0.	0.	0.	0.	0.	42858.8	0.	42858.8
8	1988	10108.0	0.	0.	0.	0.	0.	0.	32750.8	0.	32750.8
9	1989	15021.5	0.	0.	0.	0.	0.	0.	17729.3	0.	17729.3
10	1990	20324.0	0.	0.	0.	0.	0.	0.	-2595.3	-350.4	-2945.6
11	1991	20324.0	24135.0	3684.0	3645.0	5035.8	12384.8	11750.2	-11520.0	-1555.2	-13075.2
12	1992	20509.7	27503.0	4126.0	4104.0	5781.9	14011.9	13491.1	-20093.8	-2712.7	-22806.5
13	1993	20924.3	30673.0	4621.0	4597.0	6496.5	15714.5	15158.5	-28572.3	-3857.3	-32429.6
14	1994	21799.4	34240.0	5175.0	5148.0	7175.1	17498.1	16741.9	-37487.1	-5060.8	-42547.9
15	1995	23660.0	60177.0	5797.0	5766.0	14582.7	26145.7	34026.3	-32181.6	-4344.5	-36526.1
16	1996	25384.1	65360.0	6492.0	6458.0	15783.0	28733.0	36827.0	-25063.2	-3383.5	-28446.7
17	1997	27197.2	70948.0	7271.0	7233.0	16933.2	31437.2	39510.8	-16133.1	-2178.0	-18311.1
18	1998	27029.2	74564.0	8144.0	8101.0	18028.5	34273.5	42066.5	-3273.7	-442.0	-3715.7
19	1999	26861.1	81728.0	9121.0	9073.0	19060.2	37254.2	44473.8	13897.0	0.	13897.0
20	2000	26693.1	145165.0	10215.0	10162.0	34356.1	56733.1	84830.9	72034.7	0.	72034.7
21	2001	26525.1	145165.0	11441.0	11382.0	34702.6	59525.6	85639.4	131149.0	0.	131149.0
22	2002	25575.0	148759.0	12814.0	12747.0	34695.4	62520.4	86238.6	191812.6	0.	191812.6
23	2003	23655.1	152360.0	14352.0	14277.0	37119.3	65748.3	86611.7	254769.2	0.	254769.2
24	2004	20186.4	155955.0	16074.0	15990.0	37167.3	69231.3	86723.7	321306.5	0.	321306.5
25	2005	13566.6	263880.0	18003.0	17909.0	64390.4	104302.4	159577.6	467317.5	0.	467317.5
26	2006	7996.8	269625.0	20163.0	20058.0	68881.2	109102.2	160722.8	620043.5	0.	620043.5
27	2007	2191.9	275781.0	22583.0	22465.0	69219.9	114267.9	161513.1	779364.7	0.	779364.7
28	2008	2023.9	281775.0	25293.0	25161.0	69381.3	119835.3	161889.7	939230.6	0.	939230.6
29	2009	1762.0	267681.0	28328.0	28180.0	69351.9	125859.9	161821.1	1099289.7	0.	1099289.7
30	2010	1260.5	477995.0	31728.0	31562.0	124411.5	187701.5	290293.5	1388322.7	0.	1388322.7
31	2011	647.0	467690.0	35535.0	35349.0	125041.8	195925.8	291744.2	1679419.9	0.	1679419.9
32	2012	0.	497368.0	39799.0	39591.0	125393.4	204783.4	292584.6	1972004.5	0.	1972004.5
33	2013	0.	507063.0	44575.0	44342.0	125443.8	214360.8	297702.2	2260704.7	0.	2260704.7
34	2014	0.	516140.0	49924.0	49663.0	124965.9	224552.9	291587.1	2512165.4	0.	2512165.4
35	2015	0.	842496.0	55915.0	55673.0	219227.4	330765.4	511530.6	3067824.4	0.	3067824.4
36	2016	0.	857780.0	62625.0	62298.0	219857.1	344780.1	512999.9	3580824.3	0.	3580824.3
37	2017	0.	871292.0	70140.0	69773.0	220013.7	359926.7	513365.3	4094189.6	0.	4094189.6
38	2018	0.	888776.0	78557.0	78146.0	219621.9	376324.9	512451.1	4606640.7	0.	4606640.7
TOTAL											

APP.12.31 REPAYMENT PROGRAM FOR HARBOUR ROAD, CASE 26

APP.12.31 REPAYMENT PROGRAM FOR HARBOUR ROAD, CASE 26											
(Unit 10 ⁶ Rp)											
YEAR	(1) LOAN	(2)					(3) EXPENDITURE			(4) TEMPORARY LOAN	
	REPAYMENT	REVENUE	MAINT.	OPERAT.	TAX	TOTAL	(2)-(3)	LOAN	INTEREST	TOTAL	
0	1980	0.	0.	0.	0.	0.	0.	0.	0.	0.	
1	1981	0.	0.	0.	0.	0.	0.	0.	0.	0.	
2	1982	0.	0.	0.	0.	0.	0.	0.	0.	0.	
3	1983	0.	50000.0	0.	0.	0.	0.	0.	0.	0.	
4	1984	0.	0.	0.	0.	0.	50000.0	50000.0	0.	50000.0	
5	1985	597.0	0.	0.	0.	0.	0.	50000.0	0.	50000.0	
6	1986	1934.2	0.	0.	0.	0.	0.	49403.0	0.	49403.0	
7	1987	4610.1	0.	0.	0.	0.	0.	47468.8	0.	47468.8	
8	1988	10108.0	0.	0.	0.	0.	0.	42858.8	0.	42858.8	
9	1989	15021.5	0.	0.	0.	0.	0.	32750.8	0.	32750.8	
10	1990	20324.6	0.	0.	0.	0.	0.	17729.3	0.	17729.3	
11	1991	20324.6	24135.0	3684.0	3665.0	0.	7349.0	16780.0	-2595.3	-2945.6	
12	1992	20509.7	27503.0	4126.0	4104.0	0.	8230.0	19273.0	-6484.2	-7359.6	
13	1993	20924.3	30873.0	4621.0	4597.0	219.2	9437.2	21435.8	-8596.3	-9758.8	
14	1994	21799.6	34240.0	5175.0	5148.0	635.3	10958.3	23281.7	-9245.3	-10493.4	
15	1995	23460.0	60172.0	5797.0	5766.0	7484.7	19047.7	41124.3	-9011.1	-10227.6	
16	1996	25334.1	65560.0	6492.0	6458.0	8173.8	21123.8	44436.2	7236.7	7236.7	
17	1997	27197.2	70948.0	7271.0	7253.0	8774.0	23278.0	47670.0	26308.8	26308.8	
18	1998	27029.2	76340.0	8144.0	8101.0	9919.7	26164.7	50175.3	46781.6	46781.6	
19	1999	26861.1	81728.0	9121.0	9073.0	11001.9	29193.9	52532.1	69927.7	69927.7	
20	2000	26693.1	141566.0	10215.0	10162.0	28348.2	48725.2	92838.8	95598.6	95598.6	
21	2001	26525.1	145165.0	11441.0	11382.0	28745.1	51568.1	93596.9	161744.4	161744.4	
22	2002	25575.0	148759.0	12814.0	12747.0	29286.9	54847.9	93911.1	228816.2	228816.2	
23	2003	23655.1	152360.0	14352.0	14277.0	30022.8	58451.8	93708.2	297152.3	297152.3	
24	2004	20186.4	155955.0	16074.0	15990.0	31111.4	63175.4	92779.6	367205.4	367205.4	
25	2005	13566.6	263880.0	18003.0	17909.0	64320.4	100232.4	163647.6	439798.6	439798.6	
26	2006	7996.8	269825.0	20163.0	20058.0	66482.2	106703.2	163121.8	589879.6	589879.6	
27	2007	2191.9	275741.0	22583.0	22465.0	68562.3	113610.3	162170.7	745004.7	745004.7	
28	2008	2023.9	281725.0	25293.0	25161.0	68774.1	119228.1	162496.9	904983.4	904983.4	
29	2009	1762.0	287681.0	28328.0	28180.0	68823.3	125331.3	162349.7	1065456.4	1065456.4	
30	2010	1260.5	477995.0	31728.0	31562.0	124033.4	187323.4	290671.6	1226044.1	1226044.1	
31	2011	667.0	487690.0	35335.0	35349.0	124841.7	195725.7	291964.3	1515435.3	1515435.3	
32	2012	0.	497360.0	39799.0	39591.0	125393.4	204783.4	292584.6	1806752.6	1806752.6	
33	2013	0.	507063.0	44575.0	44342.0	125443.8	214360.8	292702.2	2099337.2	2099337.2	
34	2014	0.	516140.0	49924.0	49663.0	124965.9	224552.9	291587.1	2392039.4	2392039.4	
35	2015	0.	842290.0	55915.0	55623.0	219227.4	330765.4	511530.6	2683266.5	2683266.5	
36	2016	0.	857780.0	62625.0	62298.0	219857.1	344780.1	512999.9	3195157.1	3195157.1	
37	2017	0.	873292.0	70140.0	69773.0	220013.7	359976.7	513365.3	3708157.0	3708157.0	
38	2018	0.	888776.0	78557.0	78146.0	219621.9	376374.9	512451.1	4221522.3	4221522.3	
TOTAL		418348.3	8592596.0	702495.0	698823.0	2034083.5	3435401.5		4733973.4	4733973.4	

APP.12.32 SCHEDULE FOR CAPITAL REQUIREMENT FLOWS
(Cases 03-1 & 03-2)

(Unit. 10⁶Rp)

HARBOUR ROAD TOTAL				
YEAR	F/C	L/C	LAND AQ.	S-TOTAL
0	1980	0	0	0
1	1981	0	0	0
2	1982	723	753	1476
3	1983	2008	5314	7322
4	1984	842	32741	33583
5	1985	5021	35471	40492
6	1986	10744	46917	57661
7	1987	33634	41434	75067
8	1988	47353	60661	108014
9	1989	39953	50233	90186
10	1990	11881	19392	31273
TOTAL		152158	292916	445074

APP.12.33 FINANCING PLAN, Cases Q3-1 & Q3-2

(Unit: 10⁶ Rp)

YEAR	FOREIGN CURRENCY PORTION			LOCAL CURRENCY PORTION			GOV'T
	INTE'L FINANCE (A)	BOND (B)	TOTAL	BOND (A)	BOND (B)	TOTAL	
0 1980	0.	0.	0.	0.	0.	0.	0.
1 1981	3573.0	0.	3573.0	0.	0.	0.	0.
2 1982	0.	0.	0.	0.	0.	0.	753.0
3 1983	0.	0.	0.	0.	0.	0.	5314.0
4 1984	26258.4	11253.0	37511.4	0.	0.	0.	32741.0
5 1985	0.	0.	0.	3851.4	0.	3851.4	31619.6
6 1986	70385.9	53321.9	123707.8	8627.4	0.	8627.4	38289.6
7 1987	0.	0.	1133.8	21206.0	1564.4	24860.4	16573.6
8 1988	0.	0.	1837.0	31717.0	2679.6	34396.6	24264.4
9 1989	0.	0.	2020.2	27023.2	3116.6	30139.8	20093.2
10 1990	0.	0.	2376.2	7756.8	3878.4	11635.2	7756.8
TOTAL	100215.3	44575.5	152158.0	104271.8	11239.0	115510.8	177405.2

APP.12.34 REPAYMENT SCHEDULE FOR FOREIGN LOANS AND BONDS, CASE Q3-1

(Unit: 10⁶ Rp)

YEAR	REPAYMENT OF THE PRINCIPAL			REPAYMENT OF THE INTEREST			TOTAL
	INTE'L FINANCE (A)	BOND (B)	TOTAL	INTE'L FINANCE (A)	BOND (B)	TOTAL	
0 1980	0.	0.	0.	0.	0.	0.	0.
1 1981	0.	0.	0.	0.	0.	0.	0.
2 1982	0.	0.	0.	19.9	0.	19.9	19.9
3 1983	0.	0.	0.	75.1	0.	75.1	75.1
4 1984	0.	0.	0.	98.3	0.	98.3	98.3
5 1985	0.	0.	0.	194.9	97.9	292.8	292.8
6 1986	0.	0.	0.	401.7	307.4	709.2	709.2
7 1987	0.	0.	0.	1018.0	963.3	1981.3	2157.0
8 1988	0.	0.	0.	1879.0	1886.6	3765.6	4226.1
9 1989	0.	0.	0.	2592.6	2665.7	5258.3	6031.9
10 1990	0.	0.	0.	2755.9	2827.4	5583.3	6795.2
11 1991	178.6	750.2	928.9	2751.0	2848.6	5599.6	6741.6
12 1992	178.6	750.2	928.9	2740.1	2799.9	5540.0	7616.8
13 1993	178.6	2971.7	3150.4	2741.2	2606.7	5347.9	9640.2
14 1994	1491.6	2971.7	4463.3	2700.2	2413.6	5113.8	10773.4
15 1995	1491.6	2971.7	4463.3	2659.1	2220.4	4879.5	10627.5
16 1996	5010.8	2971.7	7982.5	2521.3	2027.7	4549.0	13912.8
17 1997	5010.8	2971.7	7982.5	2383.6	1834.1	4217.7	13696.1
18 1998	5010.8	2971.7	7982.5	2245.8	1640.9	3886.7	13365.1
19 1999	5010.8	2971.7	7982.5	2108.0	1447.8	3555.8	13034.2
20 2000	5010.8	2971.7	7982.5	1970.2	1254.6	3224.8	12703.2
21 2001	5010.8	2971.7	7982.5	1832.4	1061.4	2893.8	12372.3
22 2002	5010.8	2971.7	7982.5	1694.6	868.3	2562.9	12041.3
23 2003	5010.8	2971.7	7982.5	1556.8	675.1	2231.9	11710.4
24 2004	5010.8	2971.7	7982.5	1419.0	482.0	1901.0	11379.5
25 2005	5010.8	2971.7	7982.5	1281.2	288.8	1570.0	11048.6
26 2006	5010.8	2221.5	7232.3	1143.4	144.4	1287.8	10710.8
27 2007	5010.8	2221.5	7232.3	1005.6	0.0	1005.6	10375.2
28 2008	5010.8	0.	5010.8	867.8	0.	867.8	10007.4
29 2009	5010.8	0.	5010.8	730.0	0.	730.0	9577.4
30 2010	5010.8	0.	5010.8	592.2	0.	592.2	9085.2
31 2011	4832.1	0.	4832.1	459.3	0.	459.3	8625.9
32 2012	4832.1	0.	4832.1	326.4	0.	326.4	8299.5
33 2013	4832.1	0.	4832.1	193.6	0.	193.6	7905.9
34 2014	3519.2	0.	3519.2	96.8	0.	96.8	7809.1
35 2015	3519.2	0.	3519.2	0.0	0.	0.0	7457.2
TOTAL	100215.3	44575.5	152158.0	47060.7	33432.1	80492.8	248237.1

APP. 12.35 REPAYMENT SCHEDULE FOR DOMESTIC BONDS, CASE 03-1

YEAR	REPAYMENT OF THE PRINCIPAL			REPAYMENT OF THE INTEREST			TOTAL
	BOND(A)	BOND(B)	TOTAL	BOND(A)	BOND(B)	TOTAL	
	(Unit 10 ⁶ Rp)						
0	1980	0.	0.	0.	0.	0.	0.
1	1981	0.	0.	0.	0.	0.	0.
2	1982	0.	0.	0.	0.	0.	0.
3	1983	0.	0.	0.	0.	0.	0.
4	1984	0.	0.	0.	0.	0.	0.
5	1985	0.	0.	597.0	0.	597.0	597.0
6	1986	0.	0.	1934.2	0.	1934.2	1934.2
7	1987	0.	0.	5545.1	150.4	5701.5	5701.5
8	1988	0.	0.	10771.2	424.4	11195.6	11195.6
9	1989	0.	0.	14959.8	736.1	15695.9	15695.9
10	1990	0.	0.	16162.1	1123.9	17286.0	17286.0
11	1991	0.	0.	16162.1	1123.9	17286.0	17286.0
12	1992	185.1	0.	185.1	16162.1	17286.0	17471.1
13	1993	628.5	0.	628.5	16133.6	1123.9	17885.8
14	1994	1845.5	104.5	1949.8	16036.0	1113.5	19095.3
15	1995	3752.1	282.9	4035.1	15750.0	1085.2	20870.2
16	1996	5652.5	496.7	6123.3	15168.4	1036.1	22327.7
17	1997	6878.4	749.3	7627.7	14275.3	961.2	22884.2
18	1998	7944.6	749.3	8693.8	13229.2	886.3	24115.4
19	1999	9176.0	749.3	9925.2	11997.8	811.3	22809.1
20	2000	10598.2	749.3	11347.5	10575.5	736.4	22659.4
21	2001	12241.0	749.3	12990.2	8932.8	661.5	22584.5
22	2002	13356.2	749.3	14105.5	7035.4	586.5	21727.5
23	2003	13674.6	749.3	14423.8	4965.2	511.6	19900.6
24	2004	11063.6	749.3	11812.8	2845.6	436.7	15095.2
25	2005	5931.7	749.3	6681.0	1130.8	361.8	8173.6
26	2006	1363.7	749.3	2113.0	211.4	286.8	2611.2
27	2007	0.	749.3	749.3	0.	211.9	961.2
28	2008	0.	749.3	749.3	0.	137.0	886.3
29	2009	0.	645.0	645.0	0.	72.5	717.5
30	2010	0.	466.3	466.3	0.	25.9	492.2
31	2011	0.	258.6	258.6	0.	0.	258.6
TOTAL		104271.8	11239.0	115510.8	220400.6	15734.6	256335.2

APP. 12.36 REPAYMENT PROGRAM FOR HARBOUR ROAD, CASE 03-1

YEAR	REPAYMENT	REVENUE	(1) EXPENDITURE				(2)-(3)	(4) TEMPORARY LOAN		
			MAINTN.	OPFRAT.	TAX	TOTAL		LOAN	INTEREST	TOTAL
0	1980	0.	0.	0.	0.	0.	0.	0.	0.	
1	1981	0.	0.	0.	0.	0.	0.	0.	0.	
2	1982	19.9	0.	0.	0.	0.	-19.9	-2.7	-22.6	
3	1983	75.1	0.	0.	0.	0.	-97.7	-13.2	-110.9	
4	1984	98.3	0.	0.	0.	0.	-209.1	-28.2	-237.3	
5	1985	882.8	0.	0.	0.	0.	-1127.1	-152.2	-1279.3	
6	1986	2643.4	0.	0.	0.	0.	-3922.7	-529.6	-4452.2	
7	1987	7858.5	0.	0.	0.	0.	-12310.7	-1661.9	-13972.7	
8	1988	15421.8	0.	0.	0.	0.	-29394.5	-3968.3	-33362.7	
9	1989	21727.8	0.	0.	0.	0.	-55098.5	-7437.2	-62535.7	
10	1990	24081.3	0.	0.	0.	0.	-86609.0	-11697.2	-98306.2	
11	1991	24956.3	25135.0	3684.0	3665.0	7349.0	16786.0	-108471.7	-120845.3	
12	1992	25087.9	27505.0	4126.0	4104.0	8230.0	19273.0	-126660.3	-143759.4	
13	1993	27526.0	30873.0	4621.0	4597.0	9218.0	21655.0	-149630.4	-20200.1	
14	1994	29872.7	34243.0	5175.0	5148.0	10323.0	23917.0	-175786.2	-23731.1	
15	1995	31497.7	40172.0	5797.0	5766.0	11563.0	48609.0	-182406.1	-24626.8	
16	1996	36240.6	65560.0	6492.0	6458.0	12950.0	52610.0	-190661.5	-25739.3	
17	1997	36580.3	70946.0	7271.0	7233.0	14504.0	56444.0	-196537.1	-26532.5	
18	1998	36174.4	76344.0	8144.0	8101.0	16245.0	60095.0	-199169.0	-26885.1	
19	1999	35768.3	81726.0	39257.0	9073.0	48350.0	33398.0	-228404.6	-30834.6	
20	2000	35362.6	141564.0	88447.0	10162.0	98609.0	42955.0	-251644.9	-33972.3	
21	2001	34956.8	145165.0	11441.0	11382.0	22823.0	122342.0	-198234.0	-26761.6	
22	2002	31768.8	148759.0	12814.0	12747.0	25561.0	123198.0	-155566.3	-18301.5	
23	2003	31611.0	152360.0	14352.0	14277.0	28629.0	123731.0	-61747.8	-8336.0	
24	2004	26244.3	155955.0	16074.0	15990.0	32064.0	123891.0	27562.9	0.	
25	2005	18618.8	263890.0	19003.0	17909.0	35912.0	227968.0	736912.1	0.	
26	2006	11613.8	269825.0	20163.0	21058.0	40221.0	229604.0	454902.4	0.	
27	2007	9199.0	275781.0	22583.0	22465.0	45048.0	230733.0	676436.4	0.	
28	2008	6764.8	261725.0	25293.0	25161.0	50454.0	231271.0	900942.6	0.	
29	2009	6458.2	287681.0	28328.0	28180.0	56508.0	231173.0	1125657.3	0.	
30	2010	6095.2	477995.0	31778.9	31562.0	63290.0	231173.0	1125657.3	0.	
31	2011	5550.0	467694.0	35535.0	35349.0	70884.0	416806.0	1945523.2	0.	
32	2012	5158.6	497364.0	39799.0	39591.0	79390.0	417978.0	2771463.0	0.	
33	2013	5025.7	507953.0	44575.0	44342.0	88917.0	418146.0	2771463.0	0.	
34	2014	5616.0	516140.0	49974.0	49663.0	99587.0	418553.0	3184400.0	0.	
35	2015	3519.2	842296.0	55915.0	55623.0	111536.0	730758.0	3911638.8	0.	
36	2016	0.	857780.0	62625.0	62298.0	124923.0	732857.0	4444495.8	0.	
37	2017	0.	873292.0	70140.0	69773.0	139913.0	733374.0	5378774.8	0.	
38	2018	0.	888776.0	78557.0	78146.0	156703.0	732073.0	6109947.8	0.	
TOTAL		60083.0	854739.0	81083.0	698623.0	6150986.0				

APP. 12.37 REPAYMENT SCHEDULE FOR FOREIGN LOANS AND BONDS, CASE 03-2

(Unit: 10⁶ Rp)

Y.F.P	REPAYMENT OF THE PRINCIPAL			REPAYMENT OF THE INTEREST			TOTAL
	INT'L FINANCE	RDND(A)	TOTAL	INT'L FINANCE	RDND(A)	TOTAL	
	(A)	(B)		(A)	(B)		
0	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0
8	0	0	0	0	175.7	175.7	175.7
9	0	0	0	0	460.5	460.5	460.5
10	0	0	0	0	773.6	773.6	773.6
11	0	0	0	0	1141.9	1141.9	1141.9
12	171.0	171.0	342.0	93.3	682.7	1141.9	1918.0
13	171.0	171.0	342.0	86.4	634.0	1141.9	2846.9
14	140.0	2571.7	2711.7	83.5	2606.7	1141.9	3793.2
15	140.0	2571.7	2711.7	764.6	2413.6	1141.9	4932.5
16	151.2	2571.7	2722.9	723.6	2270.4	1133.5	6203.0
17	511.0	2571.7	3082.7	2521.3	2027.2	1110.0	8294.8
18	511.0	2571.7	3082.7	2383.6	1874.1	1067.9	10366.1
19	511.0	2571.7	3082.7	2245.8	1640.9	1001.5	12365.1
20	511.0	2571.7	3082.7	2108.0	1447.8	924.9	14304.2
21	511.0	2571.7	3082.7	1970.2	1254.6	839.4	16201.1
22	511.0	2571.7	3082.7	1832.4	1061.4	753.1	18044.2
23	511.0	2571.7	3082.7	1694.6	868.3	666.1	19841.3
24	511.0	2571.7	3082.7	1556.8	675.1	479.7	21591.0
25	511.0	2571.7	3082.7	1419.0	482.0	322.1	23303.1
26	511.0	2571.7	3082.7	1281.2	288.8	175.9	24989.0
27	511.0	2571.7	3082.7	1143.4	144.4	64.8	26653.5
28	511.0	2571.7	3082.7	1005.6	0.0	0.0	28299.1
29	511.0	2571.7	3082.7	867.8	0.0	0.0	29926.9
30	511.0	2571.7	3082.7	730.0	0.0	0.0	31536.9
31	511.0	2571.7	3082.7	592.2	0.0	0.0	33129.1
32	4632.1	0.0	4632.1	459.3	0.0	0.0	33588.4
33	4632.1	0.0	4632.1	320.4	0.0	0.0	34008.8
34	4632.1	0.0	4632.1	193.0	0.0	0.0	34401.8
35	3519.2	0.0	3519.2	96.8	0.0	0.0	34798.6
36	3519.2	0.0	3519.2	0.0	0.0	0.0	35198.6
TOTAL	10215.5	6575.5	16791.0	26181.2	20281.9	15586.3	62049.4

APP. 12.38 REPAYMENT SCHEDULE FOR DOMESTIC BONDS, CASE 03-2

(Unit: 10⁶ Rp)

Y.F.P	REPAYMENT OF THE PRINCIPAL			REPAYMENT OF THE INTEREST			TOTAL
	RDND(A)	RDND(B)	TOTAL	RDND(A)	RDND(B)	TOTAL	
0	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0
5	0	0	0	597.0	0	597.0	597.0
6	0	0	0	1934.2	0	1934.2	1934.2
7	0	0	0	5545.1	156.4	5701.5	5701.5
8	0	0	0	10771.2	424.4	11195.6	11195.6
9	0	0	0	14959.8	736.1	15695.9	15695.9
10	0	0	0	16162.1	1123.9	17286.0	17286.0
11	0	0	0	16162.1	1123.9	17286.0	17286.0
12	185.1	0	185.1	16162.1	1123.9	17286.0	17471.1
13	185.1	0	370.2	16133.4	1123.9	17257.3	17648.5
14	1645.5	204.3	1849.8	16036.0	1113.5	17149.5	19099.3
15	3742.1	204.3	3946.4	15756.0	1085.2	16841.2	20870.2
16	5634.5	401.7	6036.2	15168.4	1036.1	16204.5	22327.7
17	6824.9	401.7	7226.6	14295.3	941.2	15236.5	22866.2
18	7544.4	740.5	8284.9	13279.2	846.3	14125.5	22809.3
19	8170.0	740.5	8910.5	11997.8	811.3	12809.1	22736.3
20	10590.2	740.5	11330.7	10575.5	736.4	11311.9	22659.4
21	12241.6	740.5	12982.1	8932.6	641.5	9574.1	22586.5
22	13311.2	740.5	14051.7	7635.4	586.5	8221.9	21777.5
23	13674.6	740.5	14415.1	6465.2	511.6	6976.8	19900.6
24	11163.0	740.5	11903.5	2845.6	436.7	3282.3	15095.2
25	5931.7	740.5	6672.2	1130.6	361.8	1492.4	8173.6
26	3543.7	740.5	4284.2	211.4	286.8	498.2	2611.2
27	0	740.5	740.5	0	211.9	211.9	961.2
28	0	740.5	740.5	0	117.0	117.0	866.3
29	0	655.1	655.1	0	72.5	72.5	712.5
30	0	441.3	441.3	0	25.9	25.9	492.2
31	0	258.6	258.6	0	0	0	258.6
TOTAL	112271.6	11234.1	123505.7	220600.0	15734.6	236335.2	351846.0

APP.12.39 REPAYMENT PROGRAM FOR HARBOUR ROAD, CASE 03-2

(Unit 10 ⁶ Rp)										
YEAR	(1) LOAN	(2) REVENUE	(3) EXPENDITURE				(2)-(3) TOTAL	(4) TEMPORARY LOAN		
	REPAYMENT		MAINTN.	OPERAT.	TAX	LOAN		INTEREST	TOTAL	
0	1980	0.	0.	0.	0.	0.	0.	0.	0.	0.
1	1981	0.	0.	0.	0.	0.	0.	0.	0.	0.
2	1982	0.	0.	0.	0.	0.	0.	0.	0.	0.
3	1983	0.	0.	0.	0.	0.	0.	0.	0.	0.
4	1984	0.	0.	0.	0.	0.	0.	0.	0.	0.
5	1985	597.0	0.	0.	0.	0.	0.	0.	-597.0	-677.0
6	1986	1934.2	0.	0.	0.	0.	0.	0.	-2611.8	-2964.4
7	1987	5877.3	0.	0.	0.	0.	0.	0.	-8841.6	-10035.3
8	1988	11634.1	0.	0.	0.	0.	0.	0.	-21691.4	-24619.7
9	1989	16449.5	0.	0.	0.	0.	0.	0.	-41089.2	-46636.2
10	1990	18427.0	0.	0.	0.	0.	0.	0.	-65064.2	-73847.8
11	1991	20132.9	24135.0	3686.0	3665.0	0.	7349.0	16786.0	-77194.7	-87616.0
12	1992	20264.3	27503.0	4126.0	4104.0	0.	8230.0	19273.0	-88607.3	-100569.3
13	1993	24868.3	30873.0	4621.0	4597.0	0.	9218.0	21655.0	-105782.6	-14010.7
14	1994	27937.2	34240.0	5175.0	5148.0	0.	10323.0	23917.0	-121813.5	-16444.8
15	1995	29562.2	60172.0	5797.0	5766.0	5714.0	17277.0	42893.0	-124925.5	-16864.9
16	1996	36240.0	65560.0	6492.0	6458.0	4910.8	17860.8	47699.2	-130331.9	-17594.8
17	1997	36580.3	70948.0	7271.0	7233.0	5959.1	20463.1	50864.9	-134022.1	-18093.0
18	1998	36174.4	76340.0	8144.0	8101.0	7176.2	23421.2	52918.8	-135370.6	-18275.0
19	1999	35768.5	81728.0	9121.0	9073.0	8329.6	26523.6	55204.4	-134209.9	-18118.3
20	2000	35342.6	141564.0	10215.0	10162.0	25747.3	46124.3	95439.7	-92251.1	-12653.9
21	2001	36926.8	145163.0	11641.0	11382.0	28215.6	49038.6	96126.4	-43535.4	-5877.3
22	2002	37648.8	148759.0	12814.0	12747.0	26828.8	52389.8	96369.2	13187.8	0.
23	2003	31611.0	152360.0	14332.0	14277.0	27836.0	56265.0	96093.0	77671.8	0.
24	2004	24244.3	159955.0	16074.0	15990.0	29294.0	61358.0	94597.0	146024.5	0.
25	2005	19618.8	203880.0	18003.0	17909.0	62804.8	98716.8	145163.2	292568.9	0.
26	2006	11613.8	260825.0	20163.0	20058.0	65397.1	105618.1	164206.9	445162.1	0.
27	2007	9199.0	275781.0	22583.0	22465.0	66460.2	111508.2	164272.8	600235.9	0.
28	2008	6744.8	281725.0	25293.0	25161.0	67351.9	117805.9	163919.1	757390.2	0.
29	2009	4434.2	287681.0	28328.0	28180.0	67414.4	123922.4	163758.6	916690.6	0.
30	2010	6095.2	477995.0	31728.0	31562.0	122583.0	185873.0	292172.0	1200717.5	0.
31	2011	5550.0	487690.0	35535.0	35349.0	123374.8	194260.8	293429.2	1488596.7	0.
32	2012	5154.6	497368.0	39799.0	39591.0	123845.8	203235.8	294132.2	1777570.3	0.
33	2013	5025.7	507063.0	44575.0	44342.0	123934.1	212853.1	294209.9	2066754.5	0.
34	2014	3614.0	516140.0	49924.0	49663.0	123881.1	223468.1	292671.9	2355810.4	0.
35	2015	3510.2	842296.0	55915.0	55623.0	218171.6	329799.6	512586.4	2864877.6	0.
36	2016	0.	857780.0	62625.0	62298.0	219857.1	344780.1	512999.9	3377877.5	0.
37	2017	0.	873292.0	70140.0	69723.8	220013.7	359926.7	513365.3	3891242.8	0.
38	2018	0.	888776.0	78557.0	78146.0	219621.9	376324.9	512451.1	4403693.9	0.
TOTAL		566053.3	8542594.0	702495.0	698823.0	1992326.9	3393844.9			

APP.12.40 SCHEDULE FOR CAPITAL REQUIREMENT FLOWS
(Cases 03-3 & 03-5)

(Unit: 10⁶ Rp)

HARBOUR ROAD TOTAL					
YEAR	F/C	L/C	LAND AC.	S-TOTAL	
0	1980	0	0	0	0
1	1981	0	0	0	0
2	1982	0	0	0	0
3	1983	2019	7153	0	4172
4	1984	1681	5366	3540	7047
5	1985	0	42300	42300	42300
6	1986	8953	19393	7410	28346
7	1987	16171	30367	7697	46538
8	1988	23782	66435	31520	90217
9	1989	20435	50044	25649	70479
10	1990	30887	39305	0	70192
11	1991	40821	55724	0	96545
12	1992	13409	24911	0	38320
13	1993	15942	31000	0	46942
TOTAL		174100	366998	118116	541098

APP.12 41 FINANCING PLAN, CASES 03-3 & 03-5

(Unit 10⁶Rp)

YEAR	FOREIGN CURRENCY PORTION				LOCAL CURRENCY PORTION			GOV'T
	INTE'L FINANCE (A)	BOND (B)	BOND (A)	TOTAL	BOND (A)	BOND (B)	TOTAL	
0 1980	0.	0.	0.	0.	0.	0.	0.	0.
1 1981	0.	0.	0.	0.	0.	0.	0.	0.
2 1982	3700.0	0.	0.	3700.0	0.	0.	0.	0.
3 1983	0.	0.	0.	0.	0.	0.	0.	2153.0
4 1984	0.	0.	0.	0.	0.	0.	0.	5366.0
5 1985	27136.2	11629.8	0.	38766.0	0.	0.	0.	42300.0
6 1986	10615.3	4463.7	0.	14879.0	7189.8	0.	7189.8	12203.2
7 1987	0.	0.	0.	0.	13602.0	0.	13602.0	16765.0
8 1988	33980.0	20380.0	0.	54368.0	20949.0	0.	20949.0	45486.0
9 1989	24397.5	14638.5	3139.2	42175.2	11218.4	3418.6	14637.0	35407.0
10 1990	0.	0.	6177.4	6177.4	15722.0	7861.0	23583.0	15722.0
11 1991	0.	0.	8164.2	8164.2	22289.6	11144.8	33434.4	22289.6
12 1992	0.	0.	2681.8	2681.8	9964.4	4982.2	14946.6	9964.4
13 1993	0.	0.	3188.4	3188.4	12400.0	6200.0	18600.0	12400.0
TOTAL	99629.0	51120.0	23351.0	174100.0	113335.2	33606.6	146941.8	220056.2

APP.12 42 REPAYMENT SCHEDULE FOR FOREIGN LOANS AND BONDS, CASE 03-3

(Unit 10⁶Rp)

YEAR	REPAYMENT OF THE PRINCIPAL				REPAYMENT OF THE INTEREST			TOTAL
	INTE'L FINANCE (A)	BOND (B)	BOND (A)	TOTAL	INTE'L FINANCE (A)	BOND (B)	TOTAL	
0 1980	0.	0.	0.	0.	0.	0.	0.	0.
1 1981	0.	0.	0.	0.	0.	0.	0.	0.
2 1982	0.	0.	0.	0.	0.	0.	0.	0.
3 1983	0.	0.	0.	0.	0.	55.5	55.5	55.5
4 1984	0.	0.	0.	0.	0.	101.8	101.8	101.8
5 1985	0.	0.	0.	0.	0.	101.8	101.8	101.8
6 1986	0.	0.	0.	0.	274.1	174.6	448.7	448.7
7 1987	0.	0.	0.	0.	585.4	489.9	1075.3	1075.3
8 1988	0.	0.	0.	0.	1043.2	953.7	1996.9	1996.9
9 1989	0.	0.	0.	0.	1350.2	1352.1	2702.3	3189.0
10 1990	0.	0.	0.	0.	1774.9	1958.4	3733.3	5173.5
11 1991	0.	0.	0.	0.	2336.2	2750.5	5086.7	7796.2
12 1992	185.0	775.3	0.	960.3	2515.5	2961.5	5477.0	9562.6
13 1993	185.0	1072.9	0.	1257.9	2729.6	3202.7	5932.3	10809.6
14 1994	185.0	1072.9	0.	1257.9	2724.5	3132.9	5857.4	10734.8
15 1995	1541.8	2432.1	0.	3973.9	2682.1	2974.8	5656.9	13250.3
16 1996	2062.6	3408.0	150.9	5621.5	2625.4	2753.3	5378.7	16619.6
17 1997	2062.6	3408.0	471.2	5941.7	2568.7	2531.8	5100.5	16618.3
18 1998	3761.6	3408.0	936.6	8106.2	2445.3	2310.3	4755.6	16404.7
19 1999	4981.5	3408.0	1210.7	9600.1	2328.3	2088.8	4417.1	17395.0
20 2000	4981.5	3408.0	1551.6	9941.0	2191.3	1867.2	4058.5	17189.7
21 2001	4981.5	3408.0	1792.1	10181.5	2054.3	1645.7	3699.9	16831.2
22 2002	4981.5	3408.0	2069.8	10459.3	1917.3	1424.2	3341.5	16472.2
23 2003	4981.5	3408.0	2390.6	10780.1	1780.3	1202.7	2983.0	16114.2
24 2004	4981.5	3408.0	2761.2	11150.6	1643.3	981.2	2624.5	15755.6
25 2005	4981.5	3408.0	3189.2	11578.6	1506.3	759.6	2265.9	15397.1
26 2006	4981.5	3408.0	3646.0	11435.5	1369.3	558.1	1927.4	14401.2
27 2007	4981.5	2632.7	2263.8	9877.9	1232.3	367.0	1600.0	12063.3
28 2008	4981.5	2335.1	956.8	8273.4	1095.4	215.2	1310.6	9819.1
29 2009	4981.5	2335.1	560.6	7877.1	958.4	63.4	1021.8	8985.8
30 2010	4981.5	975.9	0.	5957.4	821.4	0.	821.4	6778.7
31 2011	4981.5	0.	0.	4981.5	684.4	0.	684.4	5665.8
32 2012	4796.5	0.	0.	4796.5	552.5	0.	552.5	5348.9
33 2013	4796.5	0.	0.	4796.5	420.6	0.	420.6	5217.0
34 2014	4796.5	0.	0.	4796.5	288.7	0.	288.7	5028.1
35 2015	3439.6	0.	0.	3439.6	194.1	0.	194.1	3633.7
36 2016	2918.9	0.	0.	2918.9	113.8	0.	113.8	3032.7
37 2017	2918.9	0.	0.	2918.9	33.5	0.	33.5	2952.4
38 2018	1219.9	0.	0.	1219.9	0.	0.	0.	1219.9
TOTAL	99629.0	51120.0	23351.0	174100.0	47119.6	38695.8	85815.4	309317.4

APP 12.43 REPAYMENT SCHEDULE FOR DOMESTIC BONDS, CASE 03-3

(Unit: 10⁶ Rp)

YEAR	REPAYMENT OF THE PRINCIPAL			REPAYMENT OF THE INTEREST			TOTAL
	BOND(A)	BOND(B)	TOTAL	BOND(A)	BOND(B)	TOTAL	
0 1980	0.	0.	0.	0.	0.	0.	0.
1 1981	0.	0.	0.	0.	0.	0.	0.
2 1982	0.	0.	0.	0.	0.	0.	0.
3 1983	0.	0.	0.	0.	0.	0.	0.
4 1984	0.	0.	0.	0.	0.	0.	0.
5 1985	0.	0.	0.	0.	0.	0.	0.
6 1986	0.	0.	0.	1114.4	0.	1114.4	1114.4
7 1987	0.	0.	0.	3222.7	0.	3222.7	3222.7
8 1988	0.	0.	0.	6469.8	0.	6469.8	6469.8
9 1989	0.	0.	0.	8208.7	341.9	8550.5	8550.5
10 1990	0.	0.	0.	10645.6	1128.0	11773.5	11773.5
11 1991	0.	0.	0.	14100.5	2242.4	16342.9	16342.9
12 1992	0.	0.	0.	15645.0	2740.7	18385.6	18385.6
13 1993	345.6	0.	345.6	17567.0	3360.7	20927.6	21273.2
14 1994	1052.9	0.	1052.9	17513.4	3360.7	20874.1	21926.9
15 1995	2222.9	0.	2222.9	17350.2	3360.7	20710.9	22933.8
16 1996	3106.7	227.9	3334.6	17005.6	3337.9	20343.5	23678.1
17 1997	4343.9	752.0	5095.9	16524.1	3262.7	19786.8	24882.6
18 1998	6088.5	1495.0	7583.4	15850.8	3113.2	18964.0	26567.4
19 1999	7511.1	1827.1	9338.2	14907.1	2930.5	17837.6	27173.8
20 2000	9271.3	2240.4	11511.8	13742.9	2706.4	16449.3	27961.0
21 2001	10708.4	2240.4	12948.8	12305.8	2482.4	14788.2	27737.0
22 2002	12368.2	2240.4	14608.6	10646.0	2258.3	12904.3	27513.0
23 2003	12825.3	2240.4	15065.7	8728.9	2034.3	10763.2	25828.9
24 2004	12051.1	2240.4	14291.6	6741.0	1810.2	8551.3	22842.8
25 2005	9685.1	2240.4	11905.5	4873.1	1586.2	6459.3	18364.8
26 2006	8885.1	2240.4	11125.6	3375.0	1362.2	4737.2	15862.7
27 2007	7069.8	2240.4	9310.2	1997.8	1138.1	3135.9	12446.1
28 2008	3639.4	2240.4	5879.8	902.0	914.1	1816.1	7695.9
29 2009	2180.1	2240.4	4420.5	337.9	690.0	1027.9	5448.4
30 2010	0.	2240.4	2240.4	0.	466.0	466.0	2706.4
31 2011	0.	2012.5	2012.5	0.	264.7	264.7	2277.3
32 2012	0.	1488.5	1488.5	0.	115.9	115.9	1604.3
33 2013	0.	745.5	745.5	0.	41.3	41.3	786.8
34 2014	0.	413.3	413.3	0.	0.0	0.0	413.3
TOTAL	113335.2	33606.6	146941.8	239775.4	47049.2	286824.6	633746.4

APP.12.44 REPAYMENT PROGRAM FOR HARBOUR ROAD, CASE 03-3

(Unit: 10⁶ Rp)

YEAR	(1) LOAN REPAYMENT	(2) REVENUE	(3) EXPENDITURE				(2)-(3) TOTAL	(4) TEMPORARY LOAN		
			MAINTEN.	OPERAT.	TAX	LOAN		INTEREST	TOTAL	
0 1980	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
1 1981	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
2 1982	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
3 1983	55.5	0.	0.	0.	0.	0.	0.	-55.5	-7.5	-63.0
4 1984	101.8	0.	0.	0.	0.	0.	0.	-164.8	-22.2	-187.0
5 1985	101.8	0.	0.	0.	0.	0.	0.	-288.8	-39.0	-327.7
6 1986	1563.1	0.	0.	0.	0.	0.	0.	-1890.8	-255.3	-2146.1
7 1987	4298.0	0.	0.	0.	0.	0.	0.	-6444.1	-870.0	-7314.1
8 1988	8466.7	0.	0.	0.	0.	0.	0.	-15780.8	-2130.4	-17911.2
9 1989	11773.5	0.	0.	0.	0.	0.	0.	-29650.7	-4002.8	-33653.5
10 1990	16947.0	0.	0.	0.	0.	0.	0.	-50400.5	-6831.1	-57231.6
11 1991	24139.1	0.	0.	0.	0.	0.	0.	-81520.7	-11012.0	-92532.8
12 1992	27948.2	0.	0.	0.	0.	0.	0.	-120530.9	-16271.7	-136802.6
13 1993	32082.8	0.	0.	0.	0.	0.	0.	-168885.4	-22799.5	-191684.9
14 1994	32661.7	34240.0	5175.0	5148.0	0.	10323.0	23917.0	-200429.6	-27058.0	-227487.6
15 1995	36184.1	60172.0	5797.0	5760.0	0.	11563.0	48609.0	-215062.7	-29033.5	-244096.2
16 1996	38297.7	65560.0	6492.0	6458.0	0.	12950.0	52610.0	-229783.9	-31020.8	-260804.7
17 1997	39520.9	70948.0	7271.0	7233.0	0.	14504.0	56444.0	-243881.4	-32924.0	-276805.4
18 1998	42952.1	76340.0	8144.0	8101.0	0.	16245.0	60095.0	-259642.7	-35054.5	-294717.2
19 1999	44570.7	81728.0	39257.0	9073.0	0.	48330.0	33398.0	-305889.9	-41295.1	-347185.0
20 2000	45150.7	141564.0	88447.0	10162.0	0.	98609.0	42955.0	-349380.8	-47166.4	-396547.2
21 2001	44568.2	145145.0	11441.0	11382.0	0.	22823.0	122342.0	-318773.4	-45034.4	-363807.8
22 2002	43985.6	148749.0	12814.0	12747.0	0.	25561.0	123198.0	-282595.4	-38150.4	-320745.8
23 2003	41943.1	152360.0	14352.0	14277.0	0.	28629.0	123731.0	-238957.9	-32259.3	-271217.2
24 2004	38598.5	155955.0	16074.0	15990.0	0.	32064.0	123891.0	-185924.7	-25099.8	-211024.5
25 2005	33762.0	263880.0	18003.0	17909.0	0.	35912.0	227968.0	-16818.4	-2270.5	-19088.9
26 2006	30263.9	269825.0	20163.0	20058.0	0.	40221.0	229604.0	180251.2	0.	180251.2
27 2007	24509.5	275781.0	22583.0	22465.0	0.	45048.0	230733.0	386474.7	0.	386474.7
28 2008	17515.0	281775.0	25293.0	25161.0	0.	50454.0	231271.0	600230.7	0.	600230.7
29 2009	14434.2	287681.0	28328.0	28180.0	0.	56308.0	231173.0	814969.4	0.	814969.4
30 2010	9485.1	477995.0	31728.0	31562.0	0.	63290.0	414705.0	1222189.3	0.	1222189.3
31 2011	7943.1	487690.0	35535.0	35349.0	0.	70884.0	416806.0	1631052.2	0.	1631052.2
32 2012	6953.3	497368.0	39799.0	39591.0	0.	79390.0	417978.0	2042076.9	0.	2042076.9
33 2013	6003.8	507043.0	44575.0	44342.0	0.	89117.0	418146.0	2454219.1	0.	2454219.1
34 2014	5498.5	516140.0	49924.0	49663.0	0.	99587.0	416553.0	2865273.6	0.	2865273.6
35 2015	3633.7	842296.0	55915.0	55623.0	0.	111538.0	730758.0	3592397.9	0.	3592397.9
36 2016	3032.7	857780.0	62625.0	62298.0	0.	124923.0	732857.0	4322222.2	0.	4322222.2
37 2017	2952.4	873292.0	70140.0	69773.0	0.	139913.0	733379.0	5052648.8	0.	5052648.8
38 2018	1219.9	888774.0	78557.0	78146.0	0.	156703.0	732073.0	5785501.9	0.	5785501.9
TOTAL	743083.9	8460083.0	798432.0	686457.0	0.	1484889.0				

APP.12.45 REPAYMENT SCHEDULE FOR FOREIGN LOANS AND BONDS, CASE 03-5

(Unit: 10⁶Rp)

YEAR	REPAYMENT OF THE PRINCIPAL			REPAYMENT OF THE INTEREST			TOTAL
	INTE'L FINANCE (A)	BOND (B)	TOTAL	INTE'L FINANCE (A)	BOND (B)	TOTAL	
0 1980	0.	0.	0.	0.	0.	0.	0.
1 1981	0.	0.	0.	0.	0.	0.	0.
2 1982	0.	0.	0.	0.	0.	0.	0.
3 1983	0.	0.	0.	0.	0.	0.	0.
4 1984	0.	0.	0.	0.	0.	0.	0.
5 1985	0.	0.	0.	0.	0.	0.	0.
6 1986	0.	0.	0.	0.	0.	0.	0.
7 1987	0.	0.	0.	0.	0.	0.	0.
8 1988	0.	0.	0.	0.	0.	0.	0.
9 1989	0.	0.	0.	0.	0.	486.6	486.6
10 1990	0.	0.	0.	0.	0.	1444.1	1444.1
11 1991	0.	0.	0.	0.	0.	2709.5	2709.5
12 1992	185.0	775.3	960.3	96.7	705.5	3125.2	3927.7
13 1993	185.0	1072.9	1257.9	91.6	925.9	3619.4	4836.9
14 1994	185.0	1072.9	1257.9	86.5	856.2	3619.4	4562.1
15 1995	154.14	2432.1	3973.9	790.3	2023.3	3619.4	6433.1
16 1996	2062.6	3408.0	5470.6	1020.0	2753.3	3619.4	7392.8
17 1997	2062.6	3408.0	5470.6	963.3	2531.8	3596.0	7091.1
18 1998	3761.6	3408.0	7169.6	1794.3	2310.3	3573.0	7627.6
19 1999	4981.5	3408.0	8389.5	2328.3	2088.8	3377.8	7796.8
20 2000	4981.5	3408.0	8389.5	2191.3	1867.2	3190.2	7240.7
21 2001	4981.5	3408.0	8389.5	2054.3	1645.7	2949.7	6649.7
22 2002	4981.5	3408.0	8389.5	1917.3	1424.2	2671.9	6013.4
23 2003	4981.5	3408.0	8389.5	1780.3	1202.7	2351.1	5336.1
24 2004	4981.5	3408.0	8389.5	1643.3	981.2	1980.5	4605.0
25 2005	4981.5	3408.0	8389.5	1506.3	759.6	1552.5	3818.5
26 2006	4981.5	3408.0	8389.5	1369.3	538.1	1058.2	2945.7
27 2007	4981.5	2632.7	7614.2	1232.3	367.0	586.1	2185.4
28 2008	4981.5	2335.1	7316.6	1095.4	215.2	235.2	1545.8
29 2009	4981.5	2335.1	7316.6	958.4	63.4	86.9	1108.7
30 2010	4981.5	975.9	5957.4	821.4	0.	0.	821.4
31 2011	4981.5	0.	4981.5	684.4	0.	0.	684.4
32 2012	4796.5	0.	4796.5	552.5	0.	0.	552.5
33 2013	4796.5	0.	4796.5	420.6	0.	0.	420.6
34 2014	4796.5	0.	4796.5	288.7	0.	0.	288.7
35 2015	3439.6	0.	3439.6	194.1	0.	0.	194.1
36 2016	2918.9	0.	2918.9	113.8	0.	0.	113.8
37 2017	2918.9	0.	2918.9	33.5	0.	0.	33.5
38 2018	1219.9	0.	1219.9	0.	0.	0.	0.
TOTAL	99629.0	51120.0	150749.0	26028.1	23259.6	49287.7	98649.8

APP.12.46 REPAYMENT SCHEDULE FOR DOMESTIC BONDS, CASE 03-5

(Unit: 10⁶Rp)

YEAR	REPAYMENT OF THE PRINCIPAL			REPAYMENT OF THE INTEREST			TOTAL
	BOND (A)	BOND (B)	TOTAL	BOND (A)	BOND (B)	TOTAL	
0 1980	0.	0.	0.	0.	0.	0.	0.
1 1981	0.	0.	0.	0.	0.	0.	0.
2 1982	0.	0.	0.	0.	0.	0.	0.
3 1983	0.	0.	0.	0.	0.	0.	0.
4 1984	0.	0.	0.	0.	0.	0.	0.
5 1985	0.	0.	0.	0.	0.	0.	0.
6 1986	0.	0.	0.	1114.4	0.	1114.4	1114.4
7 1987	0.	0.	0.	3222.7	0.	3222.7	3222.7
8 1988	0.	0.	0.	6469.8	0.	6469.8	6469.8
9 1989	0.	0.	0.	8208.7	341.9	8550.5	8550.5
10 1990	0.	0.	0.	10645.6	1128.0	11773.5	11773.5
11 1991	0.	0.	0.	14100.5	2242.4	16342.9	16342.9
12 1992	0.	0.	0.	15645.0	2740.7	18385.6	18385.6
13 1993	345.6	0.	345.6	17547.0	3360.7	20907.6	21252.6
14 1994	1052.9	0.	1052.9	17513.4	3360.7	20874.1	21926.9
15 1995	2222.9	0.	2222.9	17350.2	3360.7	20710.9	22983.8
16 1996	3106.7	227.9	3334.6	17005.6	3337.9	20343.5	23678.1
17 1997	4343.9	752.0	5095.9	16524.1	3262.7	19786.8	24882.6
18 1998	6088.5	1495.0	7583.4	15850.8	3113.2	18964.0	26547.4
19 1999	7511.1	1827.1	9338.2	14907.1	2930.5	17837.6	27175.8
20 2000	9271.3	2240.4	11511.8	13742.9	2706.4	16449.3	27961.0
21 2001	10708.4	2240.4	12948.8	12305.8	2482.4	14788.2	27737.0
22 2002	12368.2	2240.4	14608.6	10646.0	2258.3	12904.3	27513.0
23 2003	12825.3	2240.4	15065.7	8728.9	2034.3	10763.2	25878.9
24 2004	12051.1	2240.4	14291.6	6741.0	1810.2	8551.3	22842.8
25 2005	9665.1	2240.4	11905.5	4873.1	1586.2	6459.3	18364.8
26 2006	8885.1	2240.4	11125.6	3375.0	1362.2	4737.2	15862.7
27 2007	7069.8	2240.4	9310.2	1997.8	1138.1	3135.9	12446.1
28 2008	5639.4	2240.4	7879.8	902.0	914.1	1816.1	7695.9
29 2009	2180.1	2240.4	4420.5	337.9	690.0	1027.9	5448.4
30 2010	0.	2240.4	2240.4	0.	466.0	466.0	2706.4
31 2011	0.	2012.5	2012.5	0.	264.7	264.7	2277.3
32 2012	0.	1488.5	1488.5	0.	115.9	115.9	1604.3
33 2013	0.	745.5	745.5	0.	41.3	41.3	786.8
34 2014	0.	413.3	413.3	0.	0.0	0.0	413.3
TOTAL	113335.2	33606.6	146941.8	239775.4	47049.2	286824.6	435766.6

APP.12.47 REPAYMENT PROGRAM FOR HARBOUR ROAD, CASE 03-5

(Unit 10 ⁶ Rp)											
(1) LOAN		(2)		(3) EXPENDITURE				(2)-(3)		(4) TEMPORARY LOAN	
YEAR	REPAYMENT	REVENUE	MAINTEN.	OPERAT.	TAX	TOTAL		LOAN	INTEREST	TOTAL	
0	1980	0.	0.	0.	0.	0.	0.	0.	0.	0.	
1	1981	0.	0.	0.	0.	0.	0.	0.	0.	0.	
2	1982	0.	0.	0.	0.	0.	0.	0.	0.	0.	
3	1983	0.	0.	0.	0.	0.	0.	0.	0.	0.	
4	1984	0.	0.	0.	0.	0.	0.	0.	0.	0.	
5	1985	0.	0.	0.	0.	0.	0.	0.	0.	0.	
6	1986	1114.4	0.	0.	0.	0.	0.	-1114.4	-150.4	-1264.9	
7	1987	3222.7	0.	0.	0.	0.	0.	-4487.6	-605.8	-5093.4	
8	1988	6469.8	0.	0.	0.	0.	0.	-11563.2	-1561.0	-13124.3	
9	1989	9037.1	0.	0.	0.	0.	0.	-22161.4	-2991.8	-25153.2	
10	1990	13217.6	0.	0.	0.	0.	0.	-38370.8	-5180.1	-43550.9	
11	1991	19052.4	0.	0.	0.	0.	0.	-62603.3	-8631.4	-71234.7	
12	1992	23273.3	0.	0.	0.	0.	0.	-94328.1	-12734.3	-107062.4	
13	1993	27168.0	0.	0.	0.	0.	0.	-134230.4	-18121.1	-152351.5	
14	1994	27746.9	34240.0	5175.0	5148.0	0.	10323.0	23917.0	-156181.4	-21084.5	
15	1995	33340.8	60172.0	5797.0	5766.0	0.	11563.0	43609.0	-161997.7	-21869.7	
16	1996	36692.3	65560.0	6492.0	6458.0	0.	12930.0	52610.0	-167949.7	-22673.2	
17	1997	37915.5	70948.0	7271.0	7233.0	0.	14504.0	56464.0	-172096.4	-23252.7	
18	1998	42281.2	76340.0	8144.0	8101.0	0.	16245.0	60095.0	-177513.4	-23964.3	
19	1999	46570.7	81728.0	39257.0	9073.0	0.	48330.0	33398.0	-212650.4	-28707.8	
20	2000	45150.7	141564.0	88447.0	10162.0	0.	98609.0	42955.0	-243553.9	-32879.8	
21	2001	44568.2	145165.0	11441.0	11382.0	0.	22823.0	122342.0	-198659.9	-26819.1	
22	2002	43985.0	148759.0	12814.0	12747.0	0.	25561.0	123198.0	-146266.6	-19746.0	
23	2003	41943.1	152360.0	14352.0	14277.0	0.	28629.0	123731.0	-84224.7	-11370.3	
24	2004	38598.5	155955.0	16074.0	15990.0	0.	32064.0	123891.0	-18302.5	-1390.8	
25	2005	33742.0	263880.0	18003.0	17909.0	0.	35912.0	227968.0	182512.7	0.	
26	2006	30263.9	269825.0	20163.0	20058.0	0.	40221.0	229604.0	381852.8	0.	
27	2007	24509.5	275781.0	22583.0	22465.0	0.	45048.0	230733.0	588076.4	0.	
28	2008	17515.0	281725.0	25293.0	25161.0	0.	50454.0	231271.0	801832.3	0.	
29	2009	14434.2	287681.0	28328.0	28180.0	0.	56508.0	231173.0	1018571.1	0.	
30	2010	9485.1	477995.0	31728.0	31562.0	0.	63290.0	414705.0	1423791.0	0.	
31	2011	7943.1	487690.0	35535.0	35349.0	0.	70884.0	416806.0	1832653.9	0.	
32	2012	6953.3	497368.0	39799.0	39591.0	0.	79390.0	417978.0	2243678.6	0.	
33	2013	6003.8	507063.0	44575.0	44342.0	0.	88917.0	418144.0	2655820.8	0.	
34	2014	5498.5	516140.0	49924.0	49663.0	0.	99587.0	416553.0	3066875.3	0.	
35	2015	3633.7	842296.0	55915.0	55623.0	0.	111538.0	739758.0	3791999.6	0.	
36	2016	3032.7	857780.0	62625.0	62298.0	0.	124923.0	732857.0	4523823.9	0.	
37	2017	2952.4	873292.0	70140.0	69773.0	0.	139913.0	733379.0	5254250.4	0.	
38	2018	1210.9	888770.0	78557.0	78146.0	0.	156703.0	732073.0	5985103.6	0.	
TOTAL		706556.2	8460093.0	798432.0	686457.0	0.	1484889.0				

APP.12.48 SCHEDULE FOR CAPITAL REQUIREMENT FLOWS, CASE 03-6

(Unit 10 ⁶ Rp)				
HARBOUR ROAD TOTAL				
YEAR	F/C	L/C	LAND AQ.	S-TOTAL
0	1980	0	0	0
1	1981	0	0	0
2	1982	766	753	1519
3	1983	2193	5314	7507
4	1984	952	32741	33693
5	1985	5765	29335	35100
6	1986	12683	46917	59600
7	1987	24606	35505	60111
8	1988	52589	54556	107145
9	1989	48300	46815	95115
10	1990	52589	50022	102611
TOTAL		200443	301958	98171
				502401

APP 12.49 FINANCING PLAN, CASE 03-6

(Unit: 10⁶ Rp)

YEAR	FOREIGN CURRENCY PORTION			LOCAL CURRENCY PORTION			GOV'T	
	INTE'L FINANCE (A)	BOND (B)	TOTAL	BOND (A)	BOND (B)	TOTAL		
0 1980	0.	0.	0.	0.	0.	0.	0.	
1 1981	3911.0	0.	3911.0	0.	0.	0.	0.	
2 1982	0.	0.	0.	0.	0.	0.	753.0	
3 1983	0.	0.	0.	0.	0.	0.	5314.0	
4 1984	31631.6	13556.4	45188.0	0.	0.	0.	32741.0	
5 1985	0.	0.	0.	3851.4	0.	3851.4	25483.6	
6 1986	38442.2	20829.0	59271.2	8627.4	0.	8627.4	38289.6	
7 1987	40957.0	24574.2	65531.2	15120.4	1564.4	16684.8	18820.2	
8 1988	0.	0.	6118.2	27001.8	5731.8	32733.6	21822.4	
9 1989	0.	0.	8444.4	20186.4	7902.6	28089.0	18726.0	
10 1990	0.	0.	10517.8	20008.8	10004.4	30013.2	20008.8	
TOTAL	114941.8	58959.6	26541.6	200443.0	94796.2	23203.2	119999.4	181958.6

APP 12.50 REPAYMENT SCHEDULE FOR FOREIGN LOANS AND BONDS, CASE 03-6

(Unit: 10⁶ Rp)

YEAR	REPAYMENT OF THE PRINCIPAL			REPAYMENT OF THE INTEREST			TOTAL		
	INTE'L FINANCE (A)	BOND (B)	TOTAL	INTE'L FINANCE (A)	BOND (B)	TOTAL			
0 1980	0.	0.	0.	0.	0.	0.	0.		
1 1981	0.	0.	0.	0.	0.	0.	0.		
2 1982	0.	0.	0.	21.1	0.	21.1	21.1		
3 1983	0.	0.	0.	81.4	0.	81.4	81.4		
4 1984	0.	0.	0.	107.6	0.	107.6	107.6		
5 1985	0.	0.	0.	218.5	112.4	330.9	330.9		
6 1986	0.	0.	0.	462.7	359.7	822.4	822.4		
7 1987	0.	0.	0.	896.2	839.6	1735.8	1962.2		
8 1988	0.	0.	0.	1740.2	1865.0	3605.2	4780.1		
9 1989	0.	0.	0.	2437.8	2806.9	5244.7	7728.4		
10 1990	0.	0.	0.	3140.9	3832.4	6973.3	11107.2		
11 1991	195.5	903.8	1099.3	3155.5	3773.6	6929.1	12142.6		
12 1992	195.5	903.8	1099.3	3150.1	3714.9	6865.0	12078.3		
13 1993	195.5	2292.4	2487.9	3144.8	3565.9	6710.7	13312.5		
14 1994	1777.1	3930.6	5707.7	3095.9	3310.4	6406.3	16298.2		
15 1995	1777.1	3930.6	5707.7	3047.0	3054.9	6101.9	16287.9		
16 1996	1499.2	3930.6	5429.8	2945.3	2789.4	5734.7	16258.2		
17 1997	5747.1	3930.6	9677.7	2787.3	2543.9	5331.2	20398.5		
18 1998	5747.1	3930.6	9677.7	2629.2	2288.4	4917.6	19985.0		
19 1999	5747.1	3930.6	9677.7	2471.2	2032.9	4504.1	19571.4		
20 2000	5747.1	3930.6	9677.7	2313.1	1777.4	4090.5	19157.9		
21 2001	5747.1	3930.6	9677.7	2155.1	1521.9	3677.0	18744.4		
22 2002	5747.1	3930.6	9677.7	1997.0	1266.5	3263.5	18330.8		
23 2003	5747.1	3930.6	9677.7	1839.0	1011.0	2850.0	17917.3		
24 2004	5747.1	3930.6	9677.7	1680.9	755.5	2436.4	17207.0		
25 2005	5747.1	3930.6	9677.7	1522.9	500.0	2022.9	15531.1		
26 2006	5747.1	3026.9	8774.0	1364.8	303.2	1668.0	12577.8		
27 2007	5747.1	3026.9	8774.0	1206.8	106.5	1313.3	10087.3		
28 2008	5747.1	1638.3	7385.4	1048.8	0.	1048.8	8434.1		
29 2009	5747.1	0.	5747.1	890.7	0.	890.7	6637.8		
30 2010	5747.1	0.	5747.1	732.7	0.	732.7	6005.1		
31 2011	5551.5	0.	5551.5	580.0	0.	580.0	6131.3		
32 2012	5551.5	0.	5551.5	427.3	0.	427.3	5978.9		
33 2013	5551.5	0.	5551.5	274.7	0.	274.7	5826.2		
34 2014	3970.0	0.	3970.0	165.5	0.	165.5	4135.4		
35 2015	3970.0	0.	3970.0	56.3	0.	56.3	4026.3		
36 2016	2047.9	0.	2047.9	0.	0.	0.	2047.9		
TOTAL	114941.8	58959.6	26541.6	200443.0	53808.2	44142.4	56152.2	156102.7	356545.7

APP.12.51 REPAYMENT SCHEDULE FOR DOMESTIC BONDS, CASE 03-6

		REPAYMENT OF THE PRINCIPAL			REPAYMENT OF THE INTEREST			TOTAL
YEAR	BOND(A)	BOND(B)	TOTAL	BOND(A)	BOND(B)	TOTAL	TOTAL	
0	1980	0.	0.	0.	0.	0.	0.	
1	1981	0.	0.	0.	0.	0.	0.	
2	1982	0.	0.	0.	0.	0.	0.	
3	1983	0.	0.	0.	0.	0.	0.	
4	1984	0.	0.	0.	0.	0.	0.	
5	1985	0.	0.	0.	597.0	0.	597.0	
6	1986	0.	0.	0.	1934.2	0.	1934.2	
7	1987	0.	0.	0.	4277.9	156.4	4434.3	
8	1988	0.	0.	0.	8463.2	729.6	9192.8	
9	1989	0.	0.	0.	11592.0	1519.9	13111.9	
10	1990	0.	0.	0.	14693.4	2520.3	17213.7	
11	1991	0.	0.	0.	14693.4	2520.3	17213.7	
12	1992	185.1	0.	185.1	14693.4	2520.3	17398.8	
13	1993	628.5	0.	628.5	14664.7	2520.3	17185.0	
14	1994	1452.6	104.3	1556.9	14567.3	2509.9	17077.2	
15	1995	2975.5	486.4	3462.0	14342.2	2461.2	16803.4	
16	1996	4407.0	1013.3	5420.2	13880.9	2359.9	16240.9	
17	1997	6051.7	1480.2	7532.0	13197.9	2101.9	15300.8	
18	1998	6989.8	1680.2	8670.0	12259.8	2023.9	14283.7	
19	1999	8073.2	1680.2	9753.4	11176.4	1855.9	13032.3	
20	2000	9324.5	1680.2	11004.7	9925.1	1687.8	11612.9	
21	2001	10769.8	1680.2	12450.0	8479.8	1519.8	9999.6	
22	2002	11657.1	1680.2	13337.3	6810.5	1351.8	8162.3	
23	2003	11712.0	1680.2	13392.2	5003.6	1183.8	6187.4	
24	2004	10457.0	1680.2	12137.2	3188.3	1015.8	4204.0	
25	2005	6594.7	1680.2	8274.9	1567.4	867.7	2452.0	
26	2006	3517.8	1680.2	5198.0	545.3	679.7	1225.0	
27	2007	0.	1680.2	1680.2	0.	511.7	2191.9	
28	2008	0.	1680.2	1680.2	0.	343.7	2023.9	
29	2009	0.	1575.9	1575.9	0.	186.1	1762.0	
30	2010	0.	1193.8	1193.8	0.	66.7	1260.5	
31	2011	0.	667.0	667.0	0.	0.	667.0	
TOTAL		94796.2	25203.2	119999.4	200553.7	35284.5	235838.2	

APP.12.52 REPAYMENT PROGRAM FOR HARBOUR ROAD, CASE 03-6

YEAR	(1) LOAN REPAYMENT	(2) REVENUE	(3) EXPENDITURE				(2)-(3) TOTAL	(4) TEMPORARY LOAN		
			MAINT.	OPERAT.	TAX	LOAN		INTEREST	TOTAL	
0	1980	0.	0.	0.	0.	0.	0.	0.	0.	0.
1	1981	0.	0.	0.	0.	0.	0.	0.	0.	0.
2	1982	21.1	0.	0.	0.	0.	0.	-21.1	-2.8	-23.9
3	1983	81.4	0.	0.	0.	0.	0.	-103.3	-14.2	-119.5
4	1984	107.6	0.	0.	0.	0.	0.	-227.0	-30.7	-257.7
5	1985	927.8	0.	0.	0.	0.	0.	-1185.4	-160.1	-1345.7
6	1986	2750.6	0.	0.	0.	0.	0.	-4102.3	-553.8	-4656.1
7	1987	4396.5	0.	0.	0.	0.	0.	-11052.6	-1492.1	-12544.7
8	1988	13972.9	0.	0.	0.	0.	0.	-26517.6	-3579.9	-30097.5
9	1989	20840.3	0.	0.	0.	0.	0.	-50937.8	-6876.6	-57814.4
10	1990	28321.0	0.	0.	0.	0.	0.	-86135.3	-11628.3	-97763.6
11	1991	29356.1	24135.0	3684.0	3645.0	0.	7349.0	16786.0	-110333.7	-148895.1
12	1992	29477.1	27503.0	4126.0	4104.0	0.	8230.0	19273.0	-135432.9	-18283.4
13	1993	31126.0	30873.0	4621.0	4597.0	0.	9218.0	21655.0	-163187.4	-22030.3
14	1994	34932.3	34240.0	5175.0	5148.0	0.	10323.0	23917.0	-196233.0	-26491.5
15	1995	36553.3	60172.0	5797.0	5766.0	0.	11563.0	48609.0	-210668.7	-28440.3
16	1996	39919.8	65540.0	6492.0	6458.0	0.	12950.0	52610.0	-226418.8	-30586.5
17	1997	43520.2	70948.0	7271.0	7233.0	0.	14504.0	58444.0	-244641.6	-32948.3
18	1998	42938.7	76340.0	8144.0	8101.0	0.	16245.0	67095.0	-259853.5	-35080.2
19	1999	42357.1	81728.0	39257.0	9073.0	0.	48330.0	33398.0	-303892.9	-41025.5
20	2000	41775.6	141544.0	88447.0	10162.0	0.	98609.0	47955.0	-343739.0	-46404.8
21	2001	41194.0	145165.0	11441.0	11382.0	0.	22823.0	122342.0	-308995.8	-41714.4
22	2002	39830.4	148759.0	12814.0	12747.0	0.	25561.0	123198.0	-267342.5	-36691.2
23	2003	37496.9	152360.0	14352.0	14277.0	0.	28629.0	123731.0	-217199.7	-29322.0
24	2004	33548.2	155955.0	16074.0	15990.0	0.	32064.0	123891.0	-156178.9	-21084.1
25	2005	26241.2	263880.0	18003.0	17909.0	0.	35912.0	227668.0	24463.8	0.
26	2006	19000.8	269825.0	20163.0	20058.0	0.	40221.0	229604.0	235067.0	0.
27	2007	12279.2	275781.0	22583.0	22465.0	0.	45048.0	237733.0	453520.8	0.
28	2008	10458.0	281725.0	25293.0	25161.0	0.	50454.0	231271.0	674333.8	0.
29	2009	8399.8	287681.0	28328.0	28190.0	0.	56508.0	231173.0	897107.0	0.
30	2010	7740.3	477995.0	31728.0	31542.0	0.	63290.0	41705.0	1304071.7	0.
31	2011	6798.5	487600.0	35535.0	35349.0	0.	70844.0	41806.0	1714079.2	0.
32	2012	5978.9	497368.0	39799.0	39591.0	0.	79390.0	417978.0	2126078.4	0.
33	2013	5826.4	507063.0	44575.0	44342.0	0.	88917.0	418146.0	2538398.2	0.
34	2014	4135.4	516140.0	49924.0	49643.0	0.	99587.0	418553.0	2950815.7	0.
35	2015	4026.3	822296.0	55915.0	55623.0	0.	111538.0	417958.0	3677547.4	0.
36	2016	2047.9	857780.0	62625.0	62298.0	0.	124923.0	417287.0	4608356.6	0.
37	2017	0.	873292.0	70140.0	69773.0	0.	139913.0	417379.0	5141735.6	0.
38	2018	0.	888776.0	78557.0	78146.0	0.	156703.0	417307.0	5873808.0	0.
TOTAL		710343.3	8542594.0	810863.0	698823.0	0.	1509684.0			

APP.12.53 SCHEDULE FOR CAPITAL REQUIREMENT FLOWS,
CASE 03-7

(Unit: 10⁶Rp)

HARBOUR ROAD TOTAL					
YEAR	F/C	L/C	LAND AC.	S-TOTAL	
0	1980	0	0	0	0
1	1981	0	0	0	0
2	1982	723	753	0	1476
3	1983	2008	5314	3160	7322
4	1984	842	32741	31860	33583
5	1985	5021	29335	22916	34356
6	1986	10744	46917	32538	57661
7	1987	19224	35505	7697	55429
8	1988	41486	54556	0	96042
9	1989	36814	46815	0	83629
10	1990	38752	50022	0	88774
TOTAL	156314	301958	98171	458272	

PAGE = 28

APP.12.54 FINANCING PLAN, CASE 03-7

(Unit: 10⁶Rp)

YEAR	FOREIGN CURRENCY PORTION			LOCAL CURRENCY PORTION			GOV'T
	INTE'L FINANCE (A)	BOND (B)	TOTAL	BOND (A)	BOND (B)	TOTAL	
0	1980	0.	0.	0.	0.	0.	0.
1	1981	3573.0	0.	3573.0	0.	0.	0.
2	1982	0.	0.	0.	0.	0.	753.0
3	1983	0.	0.	0.	0.	0.	5314.0
4	1984	18756.0	11253.6	30009.6	0.	0.	32741.0
5	1985	0.	0.	1004.2	3851.4	3851.4	25483.6
6	1986	14806.7	15514.5	2148.8	32470.0	8627.4	38289.6
7	1987	12702.8	19054.2	5685.5	37442.5	16684.8	19031.4
8	1988	0.	0.	15453.4	15453.4	32733.6	8597.7
9	1989	0.	0.	16985.3	16985.3	28089.0	11853.9
10	1990	0.	0.	19376.0	19376.0	30013.2	15006.6
TOTAL	49838.5	45822.3	60653.2	156314.0	119999.4	37804.8	157804.2

APP.12.55 REPAYMENT SCHEDULE FOR FOREIGN LOANS AND BONDS, CASE 03-7

(Unit 10⁶Rp)

YEAR	REPAYMENT OF THE PRINCIPAL				REPAYMENT OF THE INTEREST			TOTAL
	INT'L FINANCE (A)	BOND (B)	TOTAL	INT'L FINANCE (A)	BOND (B)	TOTAL		
	0 1980	0.	0.	0.	0.	0.	0.	
1 1981	0.	0.	0.	0.	0.	0.	0.	
2 1982	0.	0.	0.	0.	0.	0.	0.	
3 1983	0.	0.	0.	19.9	0.	0.	19.9	
4 1984	0.	0.	0.	75.1	0.	0.	75.1	
5 1985	0.	0.	0.	98.3	0.	0.	98.3	
6 1986	0.	0.	0.	167.3	97.9	155.7	420.9	
7 1987	0.	0.	0.	315.0	307.4	488.7	1111.2	
8 1988	0.	0.	0.	542.2	695.9	1370.0	2608.1	
9 1989	0.	0.	0.	915.8	1504.9	3765.2	6186.0	
10 1990	0.	0.	0.	1157.4	2222.8	6398.0	9778.2	
11 1991	178.6	750.2	0.	1370.6	2978.4	9401.2	13750.3	
12 1992	178.6	750.2	48.3	1365.6	2929.7	9401.2	13646.6	
13 1993	178.6	1784.5	159.0	1360.7	2880.9	9411.2	14020.1	
14 1994	1116.4	3054.8	456.9	1355.8	2744.9	9393.8	15514.5	
15 1995	1116.4	3054.8	1270.5	1325.1	2566.4	9369.1	17888.8	
16 1996	1856.8	3054.8	2283.8	1294.4	2367.8	9298.3	18402.3	
17 1997	2491.9	3054.8	3569.0	1243.4	2169.2	9101.4	19709.3	
18 1998	2491.9	3054.8	4761.2	1174.8	1970.7	8747.4	21008.7	
19 1999	2491.9	3054.8	6069.0	1106.3	1772.1	8194.2	22416.6	
20 2000	2491.9	3054.8	7499.2	1037.8	1573.5	7555.2	23944.5	
21 2001	2491.9	3054.8	8999.2	969.2	1375.0	6817.2	25574.4	
22 2002	2491.9	3054.8	10599.2	900.7	1176.4	5964.9	27340.4	
23 2003	2491.9	3054.8	12299.2	832.2	977.9	4990.4	29274.3	
24 2004	2491.9	3054.8	14099.2	763.7	779.3	3874.9	31344.3	
25 2005	2491.9	3054.8	15999.2	695.1	580.7	2665.7	33544.3	
26 2006	2491.9	3054.8	17999.2	626.6	382.2	1448.0	35844.3	
27 2007	2491.9	3054.8	19999.2	558.1	232.4	528.0	38244.3	
28 2008	2491.9	3054.8	21999.2	489.5	82.6	0.	40144.3	
29 2009	2491.9	3054.8	23999.2	421.0	0.	0.	42144.3	
30 2010	2491.9	3054.8	25999.2	352.5	0.	0.	35244.3	
31 2011	2313.3	0.	2313.3	284.0	0.	0.	2844.3	
32 2012	2313.3	0.	2313.3	220.3	0.	0.	2203.3	
33 2013	2313.3	0.	2313.3	156.7	0.	0.	1567.3	
34 2014	1375.5	0.	1375.5	93.1	0.	0.	931.3	
35 2015	1375.5	0.	1375.5	55.3	0.	0.	553.3	
36 2016	635.1	0.	635.1	17.5	0.	0.	175.3	
TOTAL	49838.5	45822.3	40633.2	156314.0	23361.2	34389.0	124319.7	

APP.12.56 REPAYMENT SCHEDULE FOR DOMESTIC BONDS, CASE 03-7

(Unit 10⁶Rp)

YEAR	REPAYMENT OF THE PRINCIPAL			REPAYMENT OF THE INTEREST			TOTAL
	BOND (A)	BOND (B)	TOTAL	BOND (A)	BOND (B)	TOTAL	
0 1980	0.	0.	0.	0.	0.	0.	0.
1 1981	0.	0.	0.	0.	0.	0.	0.
2 1982	0.	0.	0.	0.	0.	0.	0.
3 1983	0.	0.	0.	0.	0.	0.	0.
4 1984	0.	0.	0.	0.	0.	0.	0.
5 1985	0.	0.	0.	597.0	0.	597.0	597.0
6 1986	0.	0.	0.	1934.2	0.	1934.2	1934.2
7 1987	0.	0.	0.	4520.4	234.7	4755.0	4755.0
8 1988	0.	0.	0.	9594.1	1094.4	10688.5	10688.5
9 1989	0.	0.	0.	13947.9	2279.8	16227.7	16227.7
10 1990	0.	0.	0.	18599.9	3780.5	22380.4	22380.4
11 1991	0.	0.	0.	18599.9	3780.5	22380.4	22380.4
12 1992	185.1	0.	185.1	18599.9	3780.5	22380.4	22565.5
13 1993	628.5	0.	628.5	18571.2	3780.5	22351.7	22980.2
14 1994	1527.8	156.4	1684.2	18473.8	3764.8	22238.6	23922.9
15 1995	3337.9	729.6	4067.5	18237.0	3691.9	21928.9	25996.4
16 1996	5205.3	1519.9	6725.2	17719.4	3539.9	21259.3	27584.7
17 1997	7454.6	2520.3	9975.0	16912.8	3287.9	20200.7	30175.6
18 1998	8610.1	2520.3	11130.4	15757.3	3035.8	18793.2	29923.6
19 1999	9944.7	2520.3	12465.0	14422.8	2783.8	17206.6	29671.5
20 2000	11686.1	2520.3	14206.4	12881.3	2531.8	15413.1	29419.5
21 2001	13266.4	2520.3	15786.8	11101.0	2279.7	13380.7	29167.5
22 2002	14540.7	2520.3	17061.0	9044.7	2027.7	11072.4	28133.4
23 2003	15042.4	2520.3	17562.9	6790.9	1775.7	8566.6	26129.4
24 2004	13986.1	2520.3	16506.4	4459.3	1523.6	5982.9	22489.3
25 2005	9506.9	2520.3	12027.3	2291.5	1271.6	3563.1	15590.3
26 2006	5276.7	2520.3	7797.0	817.9	1010.6	1827.5	9634.5
27 2007	0.	2520.3	2520.3	0.	767.5	767.5	3287.9
28 2008	0.	2520.3	2520.3	0.	515.5	515.5	3035.8
29 2009	0.	2520.3	2520.3	0.	279.1	279.1	2643.0
30 2010	0.	1790.7	1790.7	0.	100.0	100.0	1890.7
31 2011	0.	1000.4	1000.4	0.	0.0	0.0	1000.4
TOTAL	119999.4	37804.8	157804.2	253874.3	52926.7	306801.1	464605.3

APP.12.57 REPAYMENT PROGRAM FOR HARBOUR ROAD, CASE 03-7

(Unit: 10⁶Rp)

YEAR	(1) LOAN	(2)	(3) EXPENDITURE				(2)-(3)	(4) TEMPORARY LOAN		
	PAYMENT	REVENUE	MAINT.	OPERAT.	TAX	TOTAL	LOAN	INTEREST	TOTAL	
0	1981	0.	0.	0.	0.	0.	0.	0.	0.	0.
1	1981	0.	0.	0.	0.	0.	0.	0.	0.	0.
2	1982	19.9	0.	0.	0.	0.	0.	-19.9	-2.7	-22.6
3	1983	75.1	0.	0.	0.	0.	0.	-97.7	-13.2	-110.9
4	1984	98.3	0.	0.	0.	0.	0.	-209.1	-28.2	-237.3
5	1985	1017.8	0.	0.	0.	0.	0.	-1255.2	-169.4	-1424.6
6	1986	3045.4	0.	0.	0.	0.	0.	-4470.0	-603.4	-5073.4
7	1987	7363.1	0.	0.	0.	0.	0.	-12436.6	-1678.9	-14115.5
8	1988	16874.3	0.	0.	0.	0.	0.	-30990.0	-4183.7	-35173.7
9	1989	26005.9	0.	0.	0.	0.	0.	-61179.5	-8259.2	-69438.7
10	1990	36130.6	0.	0.	0.	0.	0.	-105569.4	-14251.9	-119821.3
11	1991	37005.9	24135.0	3684.0	3665.0	0.	7349.0	16786.0	-14004.1	-18905.5
12	1992	37185.5	27503.0	4126.0	4104.0	0.	8230.0	19273.0	-17685.2	-23876.0
13	1993	38616.9	30873.0	4621.0	4597.0	0.	9218.0	21655.0	-217697.1	-29389.1
14	1994	41811.7	34240.0	5175.0	5148.0	0.	10323.0	23917.0	-264980.9	-35772.4
15	1995	44398.6	60172.0	5797.0	5766.0	0.	11563.0	48609.0	-296542.9	-40033.3
16	1996	47694.0	65560.0	6492.0	6458.0	0.	12950.0	52610.0	-331660.2	-44774.1
17	1997	51184.3	70948.0	7271.0	7233.0	0.	14304.0	54444.0	-371174.6	-50108.6
18	1998	50665.2	76340.0	8144.0	8101.0	0.	16245.0	60095.0	-411853.4	-55600.2
19	1999	50146.0	81728.0	39257.0	9073.0	0.	48330.0	33398.0	-484201.6	-65367.2
20	2000	49626.9	141564.0	88447.0	10162.0	0.	98609.0	47955.0	-55240.7	-75092.5
21	2001	49107.8	145165.0	11441.0	11382.0	0.	22823.0	122342.0	-558099.0	-75343.4
22	2002	47602.7	148759.0	12814.0	12747.0	0.	25561.0	121198.0	-557847.0	-75309.3
23	2003	44895.3	152360.0	14352.0	14277.0	0.	28629.0	121731.0	-554320.7	-74833.3
24	2004	39833.6	155955.0	16074.0	15990.0	0.	32064.0	123891.0	-545096.6	-73388.0
25	2005	29529.5	263890.0	18003.0	17909.0	0.	35912.0	227968.0	-420246.1	-56733.2
26	2006	19156.0	269825.0	20163.0	20058.0	0.	40221.0	229604.0	-266531.2	-35981.7
27	2007	8656.5	275781.0	22583.0	22465.0	0.	45048.0	230733.0	-80436.4	-10858.9
28	2008	7219.0	281725.0	25293.0	25161.0	0.	50454.0	231271.0	132756.6	0.
29	2009	5487.4	287681.0	28328.0	28180.0	0.	56508.0	231173.0	358442.2	0.
30	2010	4664.6	477995.0	31728.0	31562.0	0.	63290.0	414705.0	768480.6	0.
31	2011	3534.1	487690.0	35335.0	35349.0	0.	70884.0	416806.0	1181752.5	0.
32	2012	2470.0	497368.0	39799.0	39591.0	0.	79390.0	417978.0	1597260.5	0.
33	2013	2406.4	507063.0	44575.0	44342.0	0.	88917.0	418146.0	2013000.1	0.
34	2014	1430.8	516140.0	49924.0	49663.0	0.	99587.0	416553.0	2428122.3	0.
35	2015	1392.9	842296.0	55915.0	55623.0	0.	111538.0	730758.0	3157487.4	0.
36	2016	635.1	857780.0	62625.0	62298.0	0.	124923.0	732857.0	3889709.3	0.
37	2017	0.	873292.0	70140.0	69773.0	0.	139913.0	733379.0	4623088.3	0.
38	2018	0.	888776.0	78557.0	78146.0	0.	156703.0	732073.0	5355161.3	0.
TOTAL		806989.2	8542594.0	810863.0	698823.0	0.	1509666.0			

Appendix 13.1 REDEVELOPMENT PLANNING IN PLUIT AREA

1. General

Related to the construction of Harbour Road, it is recommended that Pluit area be redeveloped to make best use of the effects caused by the establishment of Harbour Road and to solve some existing urban problems in this area.

Study Team proposed the tentative redevelopment planning of Pluit area herein, taking into account of the appropriate impacts of Harbour Road.

In this planning, the influence area to be redeveloped urgently was defined to be the area of 170 hectares in both sides of Harbour Road as Initial Planning Area and the orderly mixed area with housing, industrial and commercial landuse, where about 40,000 persons will be inhabited, was proposed.

2. Necessity of Redevelopment

The necessity of redevelopment in Pluit area is considered as follows:

- (1) The characteristics of Pluit area, the existing landuse of which is mixed and disorderly, and where the housing area is undeveloped, can easily receive the impact on an urban development of Harbour Road.

In other words, this area has an urgent necessity for redevelopment from an urban planning point of view.

- (2) Some warehouses and some factories having a strong relation with Tg. Priok Port have been accumulated here, however, these facilities are planned to be removed or relocated in orders to establish the hinterland area for the port.

Therefore, it is expected at present that this area will attain a foreseeable change in the relocation of those warehouses.

- (3) The improvement of physical conditions of an area receiving the impacts of Harbour Road should be promoted.

Physical planning required for this purpose will include the following components:

- Development of the urban roads network;
- Effective land use and urban facilities development;
- Appropriate allocation of buildings facing Harbour Road in consideration of protection from the noise, air pollution and other environmental problems.

- (4) As for the problems of execution, the difficulty of land acquisition is assumed. The construction of Harbour Road in this area should be carried out with a relationship of the redevelopment in order to avoid a social upheaval caused by land acquisition.

3. General Concept on Planning

(1) Definition of Planning Area

The definition of planning area should be decided based on consideration of the following factors:

- The influence area by the construction;
- Masterplan and urban planning roads network;
- Size of neighbourhood unit or formation of community.

Taking account of the above conditions, the recommended planning area would be defined to be approximately 260 hectares including both a port of Kel. Penjarangan and a port of Kel. Pekojan as illustrated on Fig. 13.1.

However, from an urban planning point of view, it is recommended that the defined area of 260 hectares be divided into 2 parts characterized as follows in considering the priority of performance.

- 1) The planning area to be developed urgently related with the construction of Harbour Road (Initial Planning Area)
 - This area is assumed to be approximately 170 hectares bounded with Jl. Raya Pluit Selatan, Jl. Gedung Panjang, Jl. Bandengan Utara, and Jl. Jembatan Tiga.
 - This area is named by "Penjarugan Area".
- 2) The planning area to be developed in the future in relation to the urban planning roads and the establishment of development of the initial planning area (Secondary Planning Area)
 - This area is assumed to be about 90 hectares bounded with Jl. Bandangan Selatan, Jl. Raya Pejagalan, Jl. Pangeran Tubagusangke, and Jl. Jembatan Dua.
 - This area is named by "Pekojan Area".

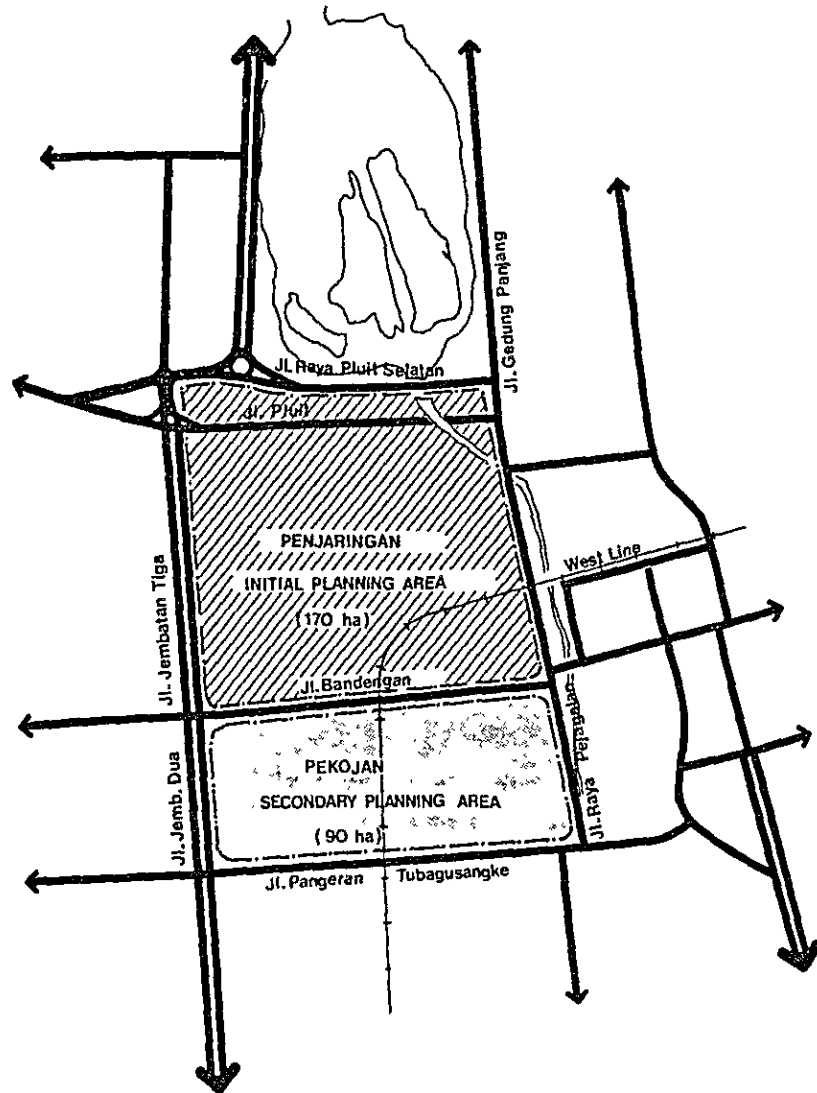


Fig. 13.1 Planning Redeveloped Area

(2) Alternative Directions of Redevelopment

Considering the directions of development, the following should be taken into account.

- To plan the efficient landuse based on a land adjustment;
- To consider the suitable landuse for the irregular shaped lands divided by infrastructures such as major roads, railway and river;

- To plan an appropriate allocation of existing buildings.
- To consider the relationship to the surrounding landuse.

Based on above considerations, three types of directions for development would be proposed as follows;

Alternative A

Direction of establishing the orderly mixed area with housing, commercial and industrial facilities.

- To plan to redevelop the existing functions;
- To redevelop the industrial land for receiving the factories and warehouses which are impossible to be relocated to the substitute area provided with the relocation planning;
- To plan a land adjustment of the residential area for the inhabitants and for the increasing population;
- To plan to prepare 4 or 5 storeys buildings for housing;
- To plan the commercial area corresponding to the demand of the inhabitants and labourers.

Alternative B

Direction of establishing the industrial zone.

- To plan to relocate the existing houses to the other substitute land and to form the exclusive industrial zone in this area;

This direction is same as that of Masterplan by DKI Jakarta.

Alternative C

Direction of establishing the housing area.

- To plan to relocate all of the existing industrial facilities according to the relocation planning, and to develop the exclusive housing zone.

(3) Direction of Redevelopment

The proposed alternatives have some problems each other. In case of alternative B and C, the problem on compensation for relocation is presumed to cause a great social upheaval, and the existing urban accumulation, which should be given a certain evaluation because of the significance of its historical formation process, is disregarded. Therefore, Alternative A would be highly recommended from an urban planning point of view.

4. Redevelopment Planning

(1) Existing Land Use

As for the existing land use in the surrounding area of the initial planning area the east and south sides of the area are mixed areas of housing, commercial and industry, but the west-side area is occupied by a few large factories, and in the north-west side area, the developed housing area is spread (refer to Fig. 13.2).

The existing land use in detail in the initial planning area is shown in Fig. 13.3.

Though there exist some large warehouses and factories in this area, the characteristics of this area is seemed to be mixed with all kinds of landuse.

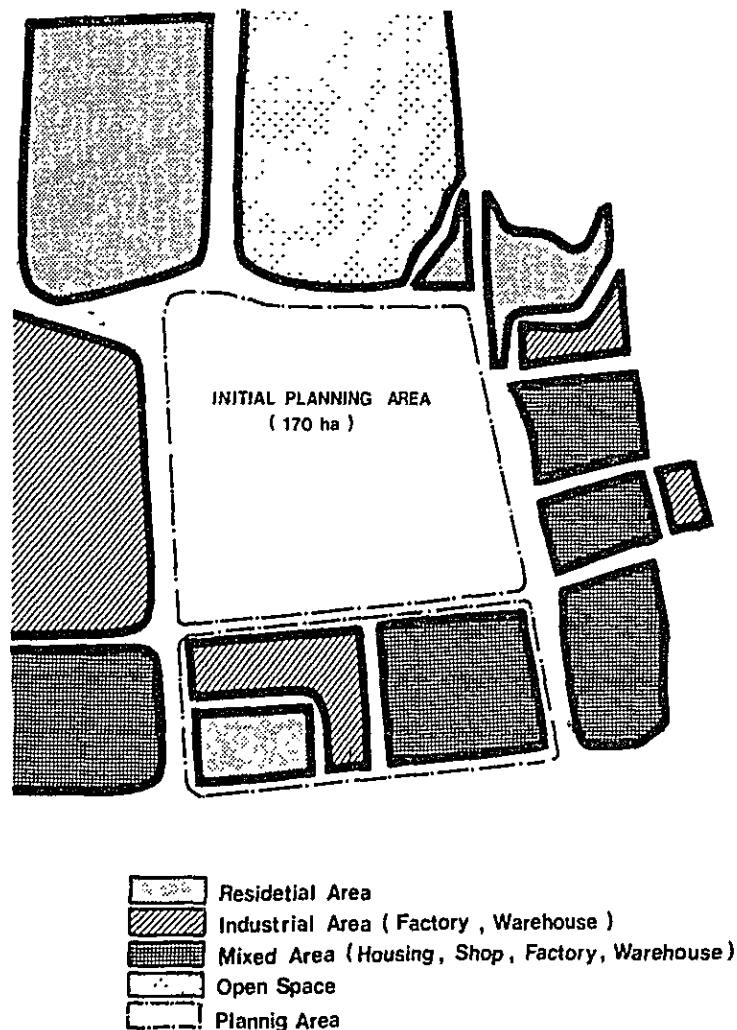


Fig. 13.2 Characteristics of Existing Landuse in Surrounding Area

As shown in Table 13.1, the land use composition of this area is that the housing area occupies 28.4% of the total and the industrial use including factories and warehouses occupies 35.6%, and the ratio of the unoccupied use, green and simialrs is 24.3%.

The number of inhabitants in this areas is estimated to be approximately more than 20,000 persons, based on the assumption that average density of housing area will be about 400 person per hectare.

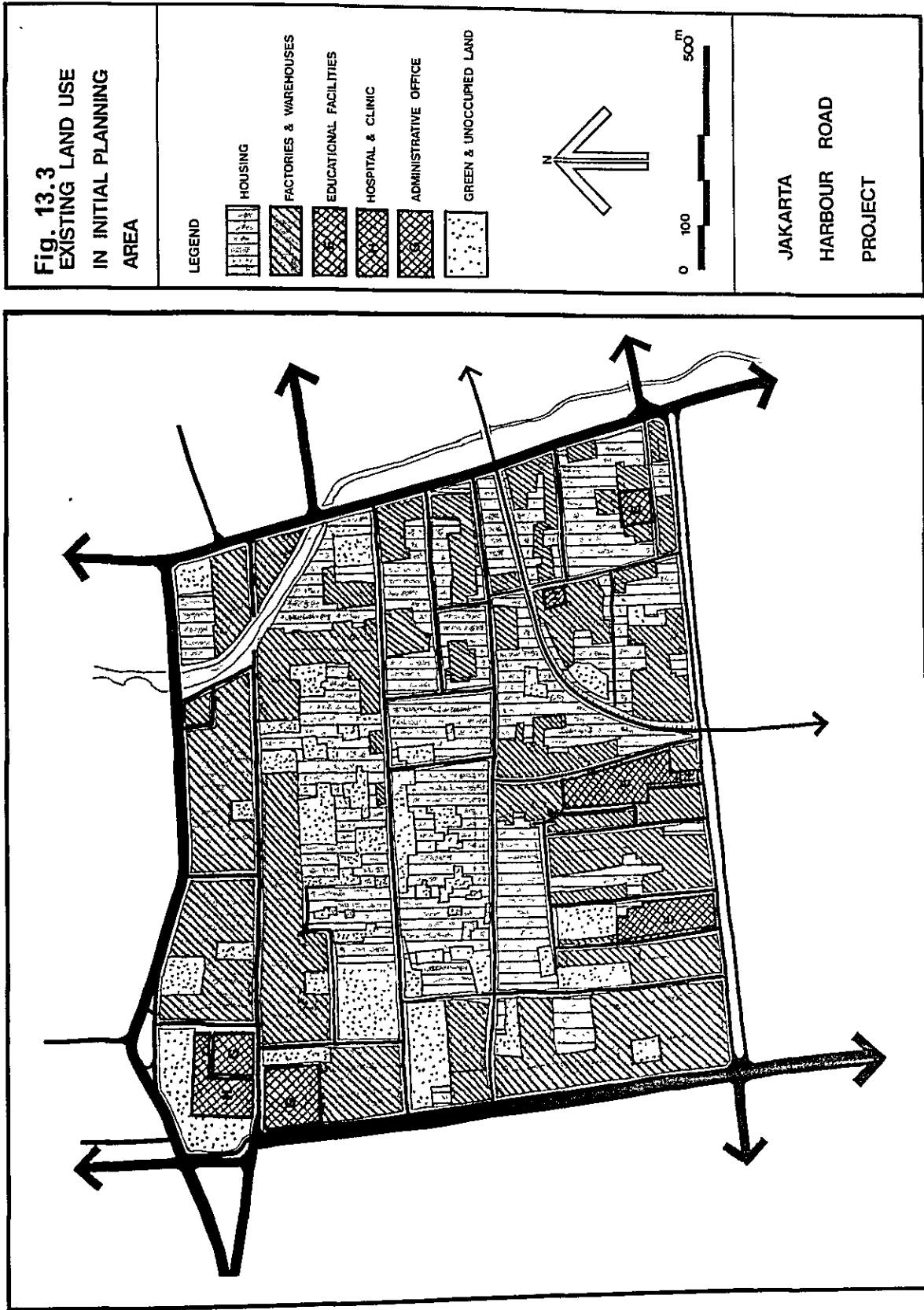
Some considerations on the characteristics of existing land use are:

- 1) Few open spaces functioning as a living environmental factor;
- 2) Many undeveloped feeder roads without passing through;
- 3) Many irregular shaped lands divided by railway, river and road;
- 4) Inefficient land use;
- 5) Many timeworn houses and buildings.

Table 13.1 Landuse Composition in Initial Planning Area

Land Use	Area	Composition
Housing Area	48.2 ha	28.4 %
Industrial Area (Factories/Warehouse)	60.5	35.6
Public Facilities (School, Hospital, Administrative Office, etc.)	11.5	6.8
Road and Railway	8.5	5.0
Unoccupied land, Green, River, etc.	41.3	24.3
Total	170.0	100.0

Note: Based on the results of the field survey and the measure on the aerial photograph.



(2) Planning Framework

The planning framework in the initial planning area is recommended as shown in Table 13.2.

The planning population is assumed to be approximately 40,000 persons in the area.

Table 13.2 Planning Framework

Landuse	Area	Composition	Planning Density	Planning Population	Remarks
	ha.	%	persons/ha	persons	
Housing Area 1 (High-density, 4-5 storeies Building)	27.0	15.9	1,130	30,500	Including the area of parks and play- grounds
Housing Area 2 (Low density)	31.9	18.8	200	6,400	
Industrial Area (Factories, Warehouses)	41.4	24.4	20	800	
Commercial Area	13.7	8.1	150	2,100	
Public Facilities Area (School, Hospital, Administrative Office, etc.)	17.1	10.1	-	-	
Park (Neighbour- hood park, and play-spot)	15.7	9.2	-	-	4 m ² /person
Infrastructure (Road, Railway, etc.)	23.2	13.6	-	-	
Total	170.0	100.0	234	39,800	

(3) Street Network

Main Streets

Study Team proposed three main streets running towards N-S direction crossing under Harbour Road to combine two areas divided by Harbour Road, and to give a planning structure to this Project area.

One is the main boulevard contributing to the industrial and residential landuse, which will function as a symbol road.

The second street is allocated in the east area and presents an access service to the residential area.

The third street is planned to contribute to develop the industrial function and allocated in the west area.

These three streets will be axes for the land division.

Feeder Streets

Feeder streets mainly function as access roads to each building.

The planning feeder streets network was considered not to connect directly the street of high-level function such as an arterial road in order to avoid the traffic congestion.

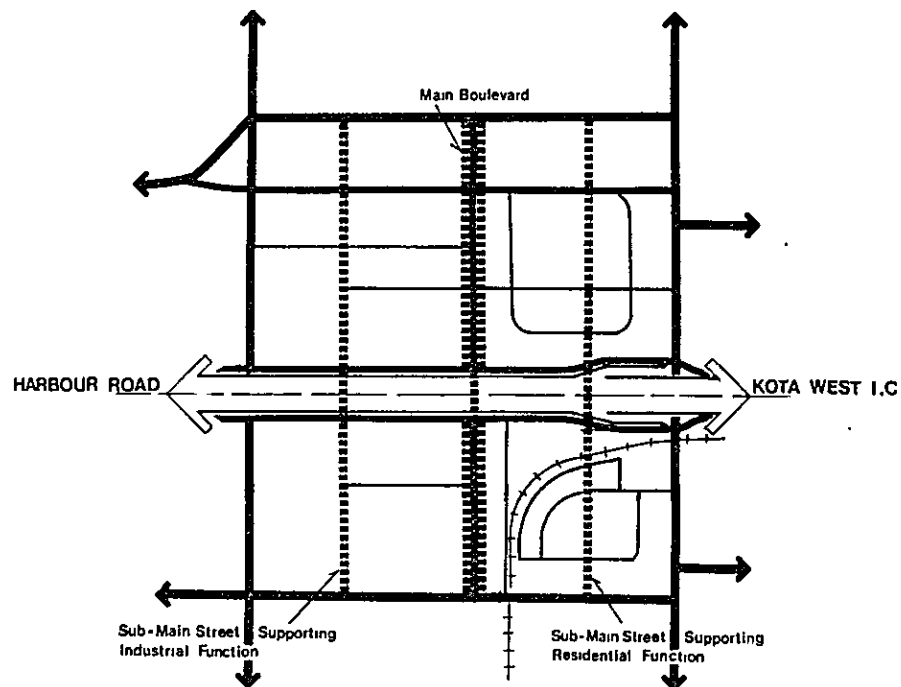


Fig. 13.4 Conceptual Scheme on Streets Composition

(4) Landuse Planning

The following considerations are given to the landuse planning.

- The buildings of 4 - 5 storeys made of permanent materials and utilized to be housing and commercial facilities were planned to be allocated along Harbour Road and along the arterial roads to protect the environment of this area from noise pollution.
- Industrial facilities was concentrically allocated in the west area to make it easier to relocate the existing industrial facilities.
- Housing zone was planned to be divided into two types of area. One is a high density area where the housing building are 4 - 5 storeys made of permanent structure. The other is a low density area consisting of individual houses, which is allocated inside the area bounded by the high-density housing.
- Public landuse such as schools, parks, hospitals, community facilities and administrative offices was planned in the residential area considering a proper service area of each function, from a community planning point of view.

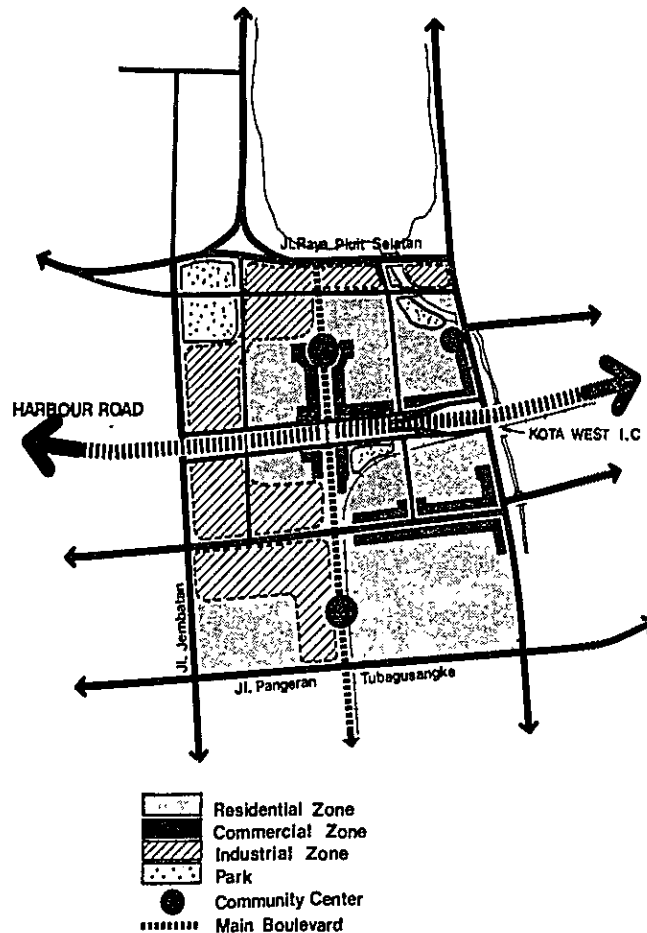
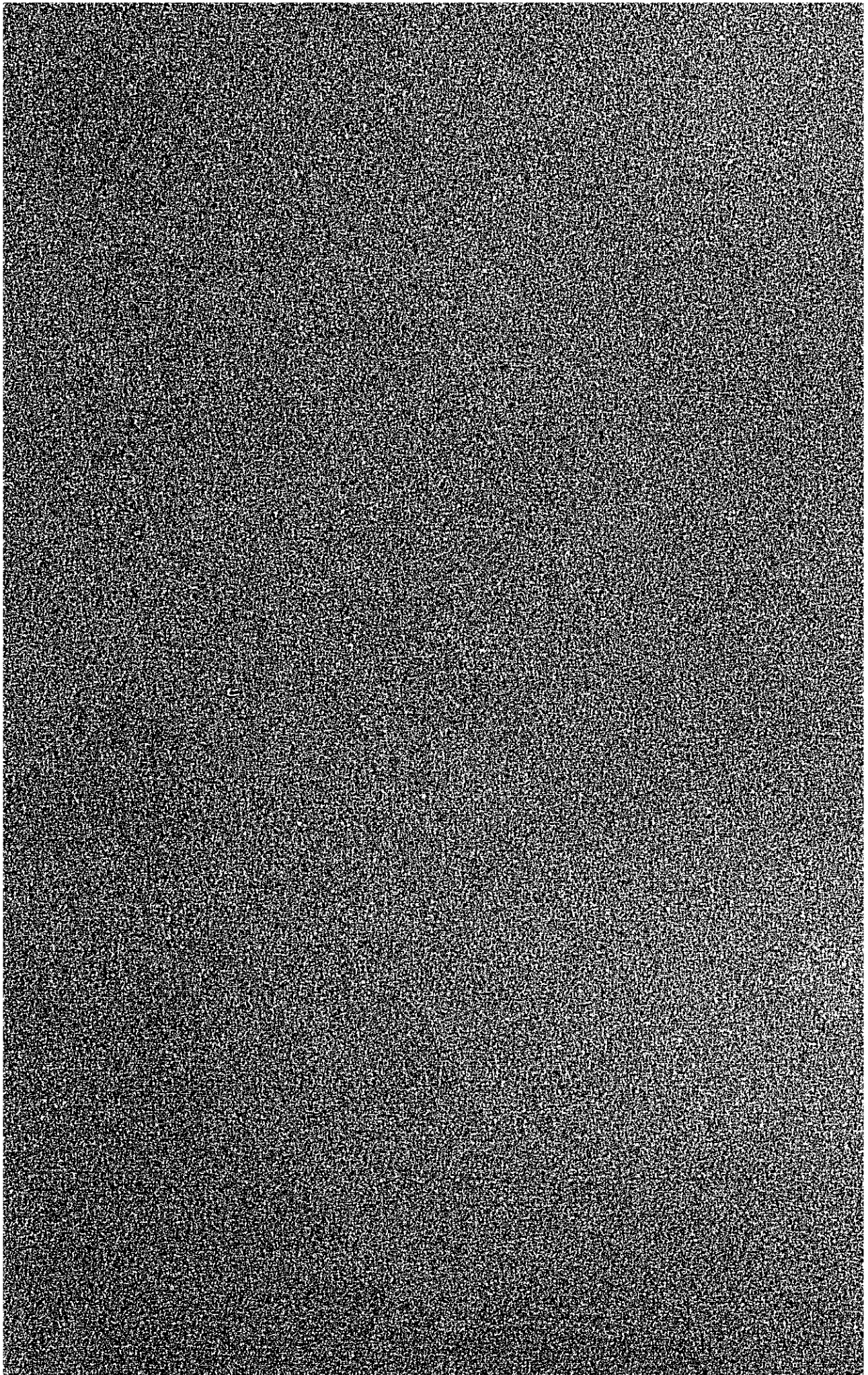


Fig. 13.5 Conceptual Scheme on Planning Landuse

(5) Masterplan

Masterplan for redevelopment in Penjaringan area which is defined to be the initial planning area was tentatively proposed as illustrated in the main report Fig. 13.2 "Masterplan for Redevelopment in Penjaringan" based on the considerations described above.

This plan shows only one of the recommendable directions, therefore, referring to this proposed plan, the most appropriate, suitable redevelopment planning should be studied still more.



JICA

