

**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 1000P

DESCRIPTION	QUANTITY	(1) F.C	(2) L.C	SUBTOTAL (1)+(2)	(3) TAX	(4) PPM	(5)IMPORT DUTY	(6) SUBSIDY	(7)LCCTOTAL (2+3+4+5)	(8) TOTAL (1)+(7)
WOPF ITEM 1	0	41035	25364	66399	4252	3178	1937	951	76703	77756
WOPF ITEM 2	0	164133	101383	265517	16967	12712	13750	3804	146811	310945
SUB TOTAL		205168	126747	331915	21209	15890	19687	4755	183514	388681
WOPF ITEM 3	333A0	1968	1168	3136	10	142	334	127	1653	3621
WOPF ITEM 4	0	0	0	0	0	0	0	0	0	0
WOPF ITEM 5	0	0	0	0	0	0	0	0	0	0
WOPF ITEM 6	0	0	0	0	0	0	0	0	0	0
WOPF ITEM 7	5	188	103	291	1	13	0	18	117	306
WOPF ITEM 8	0	0	0	0	0	0	0	0	0	0
WOPF ITEM 9	112008	145421	84594	252017	13738	11959	20044	6193	132337	297758
WOPF ITEM 10	94930	320199	172234	492433	1804	22368	10917	23914	212421	532619
WOPF ITEM 11	0	0	0	0	0	0	0	0	0	0
WOPF ITEM 12	16215	10117	5345	15662	49	707	1300	713	7500	17617
WOPF ITEM 13	45470	189154	84209	273565	50053	14563	2544	954	131368	340724
SUB TOTAL		687249	354854	1042103	65655	49849	35038	33922	503398	1192645
WOPF ITEM 14	0	0	0	0	0	0	0	0	0	0
WOPF ITEM 15	0	0	0	0	0	0	0	0	0	0
WOPF ITEM 16	0	0	0	0	0	0	0	0	0	0
WOPF ITEM 17	0	0	0	0	0	0	0	0	0	0
WOPF ITEM 18	0	0	0	0	0	0	0	0	0	0
WOPF ITEM 19	0	0	0	0	0	0	0	0	0	0
WOPF ITEM 20	0	0	0	0	0	0	0	0	0	0
WOPF ITEM 21	186	1412	4657	6069	1041	320	47	20	6065	7477
WOPF ITEM 22	1661	40151	119211	155367	25901	8157	1766	57	151035	191186
WOPF ITEM 23	0	0	0	0	0	0	0	0	0	0
WOPF ITEM 24	19	429	1442	1871	320	99	12	1	1873	2302
WOPF ITEM 25	0	0	0	0	0	0	0	0	0	0
SUB TOTAL		41992	121310	163302	27263	8573	1825	213	158973	200965
WOPF ITEM 26	36537	4384	3617	8002	26	361	804	256	4808	9192
WOPF ITEM 27	9506	48763	30496	79259	223	3577	1759	2987	38055	84818
WOPF ITEM 28	22184	204572	173878	378450	33232	18416	15199	17481	239925	446581
WOPF ITEM 29	5334	78564	51852	130416	11900	4404	3227	3792	75386	153948
WOPF ITEM 30	1612	7607	9897	16906	1875	86	693	93	1331	20340
WOPF ITEM 31	37495	3654	4448	8102	565	39	792	38	4193	9852
WOPF ITEM 32	0	0	0	0	0	0	0	0	0	0
WOPF ITEM 33	0	0	0	0	0	0	0	0	0	0
SUB TOTAL		348955	274188	623143	47841	30194	23673	24647	375696	724651
WOPF ITEM 34	0	1092141	696717	1788858	91137	84600	82183	4328	954637	2046788

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CASE# 11-SEGMENT NO. 1 UNIT 1000P

DESCRIPTION	QUANTITY	(1) F.C	(2) L.C	SUBTOTAL (1)+(2)	(3) TAX	(4) PPM	(5)IMPORT DUTY	(6) SUBSIDY	(7)LCCTOTAL (2+3+4+5)	(8) TOTAL (1)+(7)
WOPF ITEM 35	0	0	0	0	0	0	0	0	0	0
WOPF ITEM 36	0	0	0	0	0	0	0	0	0	0
SUB TOTAL		1092141	696717	1788858	91137	84600	82183	4328	954637	2046778
WOPF ITEM 37	0	0	0	0	0	0	0	0	0	0
WOPF ITEM 38	2613	3531	15807	19338	1528	939	14	45	19287	21819
WOPF ITEM 39	19370	310	1655	1995	39	92	0	19	1615	2125
WOPF ITEM 40	400	5723	1754	6957	302	327	1452	4	1615	9037
WOPF ITEM 41	1861	17691	1493	19174	63	864	3540	47	9751	23469
WOPF ITEM 42	1722	2985	6112	9097	1489	476	112	11	3181	11774
WOPF ITEM 43	1540	5282	8344	13625	2216	714	205	21	14493	16774
WOPF ITEM 44	0	20	507	527	119	34	1	1	752	729
WOPF ITEM 45	0	69	10341	10410	2049	562	4	0	12994	13064
WOPF ITEM 46	0	0	0	0	0	0	0	0	0	0
WOPF ITEM 47	1930	747	903	1150	140	59	91	12	1213	1460
WOPF ITEM 48	58	57034	5809	107843	9130	5264	11327	2	76336	133571
WOPF ITEM 49	11	82499	19581	102080	1848	4767	16924	0	45119	126198
WOPF ITEM 50	0	390316	125238	515553	29901	24252	86502	55	264187	636503
WOPF ITEM 51	0	0	0	0	0	0	0	0	0	0
WOPF ITEM 52	0	0	0	0	0	0	0	0	0	0
SUB TOTAL		585216	242654	827870	50895	58644	119973	288	452157	1017372
SUB-TOTAL		2940720	1416452	4357172	303989	227752	282179	68153	2630377	5571092
OVERHEAD AND PROFIT		735180	454113	1189293	75997	56938	70545	17034	657593	1392773
TOTAL		3675900	2270565	5946465	379986	284690	352723	85191	3287965	6963865
FINAL ENGINEERING		147036	90823	237859	15195	11386	14109	3468	73159	278555
SUPERVISION		220554	136234	356788	22799	17081	21162	5111	192726	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	61412	52908	12779	927635	1479020
TOTAL PROJECT COST		4594876	6025489	10620366	474983	374571	440904	106489	7315946	11910822

CASE# 13-SEQUENT AD. 2		UNITS 1000RP									
DESCRIPTION	QUANTITY	(1) F.C	(2) L.C	SUBTOTAL (1)+(2)	(3) TAX	(4) PPN	(5)IMPORT DUTY	(6) SUBSIDY	(7)LECTOTAL (2+3+4+5)	(8) TOTAL (1)+(7)	
WDR ITEM 1	0.	32133.	26415.	58547.	4347.	2830.	2199.	1670.	35791.	67923.	
WDR ITEM 2	0.	178531.	105059.	283590.	17380.	11321.	8797.	5879.	141163.	271699.	
SUB TOTAL		160663.	132074.	292737.	21733.	14151.	10996.	7348.	174953.	339617.	
WDR ITEM 3	0.56A	945.	335.	890.	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	100681.	236043.	123543.	359407.	19003.	17085.	28002.	8838.	185035.	624479.	
WDR ITEM 10	248648.	703720.	319348.	1193114.	3904.	49377.	43995.	16901.	404882.	1170632.	
WDR ITEM 11	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WDR ITEM 12	5594.	3491.	1913.	5404.	17.	244.	414.	246.	2582.	6079.	
WDR ITEM 13	49100.	96304.	47827.	139131.	25456.	7406.	1294.	485.	74984.	173289.	
SUB TOTAL		1260177.	558180.	1598357.	49043.	74133.	54399.	66566.	733762.	1775934.	
WDR ITEM 14	4119.	90064.	234493.	325529.	54201.	17268.	1409.	323.	312361.	402407.	
WDR ITEM 15	92.	2445.	5834.	8080.	1439.	428.	46.	10.	9341.	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	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WDR ITEM 21	48.	44654.	149950.	194609.	34084.	10291.	1147.	144.	195472.	240130.	
WDR ITEM 22	82.	623.	7053.	7676.	459.	141.	21.	7.	7074.	3296.	
WDR ITEM 23	1359.	29371.	84133.	113453.	14915.	5957.	1290.	151.	110296.	139615.	
WDR ITEM 24	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WDR ITEM 25	28.	432.	7125.	2758.	472.	145.	17.	7.	2760.	3392.	
WDR ITEM 26	14.	289.	2475.	3264.	548.	172.	25.	3.	3218.	4002.	
SUB TOTAL		168514.	481853.	650367.	114117.	36602.	5947.	617.	634320.	802834.	
WDR ITEM 27	26452.	2934.	2423.	5356.	17.	242.	538.	171.	3218.	4152.	
WDR ITEM 28	12493.	44997.	40645.	105636.	298.	477.	2344.	3911.	4805.	113045.	
WDR ITEM 29	45716.	719147.	701462.	441029.	38523.	21380.	19438.	20264.	274123.	217399.	
WDR ITEM 30	5377.	79198.	52270.	131468.	11906.	6436.	5289.	3823.	75991.	135189.	
WDR ITEM 31	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WDR ITEM 32	27414.	2174.	7645.	4819.	336.	232.	471.	22.	3084.	3858.	
WDR ITEM 33	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WDR ITEM 34	1912.	610.	653.	1264.	78.	60.	106.	12.	898.	1508.	
SUB TOTAL		389376.	300193.	689571.	51248.	33337.	25106.	28274.	409966.	799542.	
WDR ITEM 35	0.	302359.	249818.	552177.	43774.	26818.	12147.	2151.	332557.	634916.	

CASE# 13-SEQUENT AD. 2		UNITS 1000RP									
DESCRIPTION	QUANTITY	(1) F.C	(2) L.C	SUBTOTAL (1)+(2)	(3) TAX	(4) PPN	(5)IMPORT DUTY	(6) SUBSIDY	(7)LECTOTAL (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		302359.	249818.	552177.	43774.	26818.	12147.	2151.	332557.	634916.	
WDR ITEM 37	505.	4811.	5129.	9990.	1347.	510.	449.	70.	7480.	12292.	
WDR ITEM 38	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WDR ITEM 39	20880.	334.	1817.	2151.	42.	40.	0.	47.	1954.	2292.	
WDR ITEM 40	4836.	61344.	29984.	86108.	3656.	5949.	17550.	53.	41119.	109263.	
WDR ITEM 41	7717.	25827.	2165.	27995.	92.	1264.	4885.	141.	9407.	34235.	
WDR ITEM 42	5636.	4354.	7923.	13281.	2174.	695.	143.	16.	11955.	16313.	
WDR ITEM 43	2760.	4118.	4595.	16423.	1759.	558.	166.	17.	4642.	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.	1861.	2370.	330.	121.	187.	24.	2497.	3004.	
WDR ITEM 48	141.	138652.	123517.	242170.	22211.	12797.	27537.	6.	184162.	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.	19092.	50931.	308.	273441.	515195.	
SUB-TOTAL		230238.	189108.	419346.	111501.	202831.	157637.	105325.	2765700.	4067834.	
OVERHEAD AND PROFIT		575717.	473245.	1048974.	77875.	50708.	39402.	26351.	641256.	1216959.	
T O T A L		2878649.	2366323.	5244970.	389377.	253541.	197009.	131656.	3704250.	6084797.	
FINAL ENGINEERING		115142.	94653.	209795.	15575.	10142.	7880.	5766.	128250.	243392.	
SUPERVISION		172715.	141979.	314692.	21363.	15217.	11821.	7899.	192375.	365088.	
LAND ACQUISITION		0.	2078000.	2078000.	0.	0.	0.	0.	2078000.	2078000.	
COMPENSATION		0.	1028000.	1028000.	0.	0.	0.	0.	1028000.	1028000.	
PHYSICAL CONTINGENCY		431782.	820548.	1252331.	58407.	48083.	29551.	19748.	947489.	1399272.	
TOTAL PROJECT COST		3598185.	6527503.	10125688.	486721.	337878.	246261.	164570.	7594364.	11196549.	

PROJECT COST LIST

CASE# 11-SEGMENT NO. 3		UNIT 1000P									
DESCRIPTION	QUANTITY	(1) F.C	(2) L.C	SUBTOTAL (1)+(2)	(3) TAX	(4) P.P	(5) IMPORT DUTY	(6) SUBSIDY	(7) LC TOTAL (2)+(3)+(4)+(5)	(8) TOTAL (1)+(7)	
WORK ITEM 1	0.	4084.	5953.	12037.	5164.	593.	811.	141.	1461.	15577.	
WORK ITEM 2	0.	24384.	23652.	48037.	4655.	2371.	3246.	162.	33975.	56309.	
SUB TOTAL		30480.	29545.	60026.	9819.	2964.	4057.	703.	42406.	72886.	
WORK ITEM 3	4982.	294.	174.	468.	1.	21.	50.	19.	247.	341.	
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.	30977.	14214.	47186.	2572.	2239.	3753.	1160.	24778.	55759.	
WORK ITEM 10	10209.	34335.	19040.	33695.	194.	2516.	1174.	2262.	23856.	52229.	
WORK ITEM 11	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 12	1645.	1026.	543.	1589.	5.	72.	122.	72.	761.	1787.	
WORK ITEM 13	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
SUB TOTAL		66724.	36017.	102741.	2773.	4748.	5099.	4634.	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.	714.	104.	1.	1337.	1644.	
WORK ITEM 22	535.	11547.	33121.	44668.	7446.	2345.	508.	59.	43422.	54962.	
WORK ITEM 23	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 24	6.	136.	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.	2647.	522.	61.	45348.	57337.	
WORK ITEM 26	2434.	292.	241.	533.	2.	17.	320.	17.	320.	612.	
WORK ITEM 27	1699.	805.	5368.	14470.	41.	653.	121.	345.	4583.	15485.	
WORK ITEM 28	4784.	44567.	17513.	62080.	7149.	6014.	1083.	3771.	51741.	94329.	
WORK ITEM 29	841.	12387.	8175.	20542.	1876.	1010.	824.	390.	11886.	24273.	
WORK ITEM 30	572.	2839.	4002.	6849.	768.	343.	281.	34.	5400.	8240.	
WORK ITEM 31	7151.	694.	844.	1537.	107.	76.	150.	7.	1175.	1869.	
WORK ITEM 32	2309.	224.	279.	503.	35.	24.	48.	2.	387.	611.	
WORK ITEM 33	1597.	249.	267.	516.	32.	23.	43.	5.	366.	616.	
SUB TOTAL		70155.	56896.	127051.	10030.	6169.	4785.	498.	77878.	148034.	
WORK ITEM 34	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	

PROJECT COST LIST

CASE# 11-SEGMENT NO. 3		UNIT 1000P									
DESCRIPTION	QUANTITY	(1) F.C	(2) L.C	SUBTOTAL (1)+(2)	(3) TAX	(4) P.P	(5) IMPORT DUTY	(6) SUBSIDY	(7) LC TOTAL (2)+(3)+(4)+(5)	(8) TOTAL (1)+(7)	
WORK ITEM 35	140.	84442.	179143.	263589.	37127.	12613.	3554.	74.	232456.	296921.	
WORK ITEM 36	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
SUB TOTAL		84442.	179143.	263589.	37127.	12613.	3554.	74.	232456.	296921.	
WORK ITEM 37	1360.	12957.	13947.	26904.	1615.	1375.	1210.	10.	21165.	33102.	
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.	1304.	414.	1739.	76.	87.	343.	1.	954.	2259.	
WORK ITEM 41	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 42	1070.	454.	1757.	2615.	428.	137.	32.	3.	2354.	3217.	
WORK ITEM 43	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 44	2.	124.	322.	446.	46.	19.	0.	1.	417.	433.	
WORK ITEM 45	4.	31.	405.	436.	970.	250.	1.	0.	5775.	5804.	
WORK ITEM 46	1.	13.	1553.	1566.	526.	94.	29.	1.	2174.	2187.	
WORK ITEM 47	671.	79.	291.	370.	52.	19.	0.	4.	397.	479.	
WORK ITEM 48	18.	17707.	15768.	33469.	2835.	1434.	3515.	1.	21753.	41453.	
WORK ITEM 49	4.	30009.	7121.	37120.	1599.	1733.	614.	0.	14407.	46407.	
WORK ITEM 50	2.	130103.	41246.	171351.	9567.	8182.	28834.	18.	48729.	210354.	
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		193065.	87553.	280617.	19643.	13523.	40140.	214.	161099.	354163.	
SUB-TOTAL		436884.	423370.	860254.	85408.	42483.	56156.	10077.	607814.	1064701.	
OVERHEAD AND PROFIT		109221.	165942.	215163.	20852.	10621.	14339.	2519.	151954.	261175.	
TOTAL		546105.	529712.	1075817.	104260.	53103.	72695.	12596.	750771.	1305876.	
FINAL ENGINEERING		21844.	21198.	43033.	4170.	2124.	2908.	504.	30391.	52235.	
SUPERVISION		32766.	31783.	64549.	6256.	3186.	4362.	754.	45584.	78333.	
LAND ACQUISITION		0.	360050.	360050.	0.	0.	0.	0.	360050.	360050.	
COMPENSATION		0.	255500.	255500.	0.	0.	0.	0.	255500.	255500.	
PHYSICAL CONTINGENCY		81916.	171789.	253705.	15639.	12120.	10904.	1889.	217453.	292369.	
TOTAL PROJECT COST		682632.	1370023.	2052654.	130325.	70534.	90868.	15745.	1661751.	2364382.	

PROJECT COST LIST

PAGE # 8

CASE# 11-SEGMENT NO. 6		UNIT: 1000RP								
DESCRIPTION	QUANTITY	(1) F.C	(2) L.C	SUBTOTAL (1)+(2)	(3) TAX	(4) PPM	(5) IMPORT DUTY	(6) SUBSIDY	(7) C.TOTAL (2)+(3)+(4)+(5)	(8) TOTAL (1)+(7)
WORK ITEM 1	0.	45869.	40520.	126389.	4922.	6001.	4529.	1027.	54446.	143915.
WORK ITEM 2	0.	343477.	167080.	505558.	27887.	24005.	10210.	4109.	232183.	575660.
SUB TOTAL		429347.	202600.	631947.	34859.	30006.	22409.	5136.	290228.	719575.
WORK ITEM 3	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WORK ITEM 4	40.	33.	270.	303.	2.	14.	0.	3.	286.	319.
WORK ITEM 5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WORK ITEM 6	1.	38165.	26710.	64881.	7633.	3263.	0.	0.	37612.	75777.
WORK ITEM 7	4.	151.	82.	233.	1.	11.	0.	15.	96.	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.	4339.	12739.	44.	575.	280.	665.	5840.	13680.
WORK ITEM 11	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WORK ITEM 12	4011.	4999.	2740.	7739.	24.	349.	593.	352.	1700.	8705.
WORK ITEM 13	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SUB TOTAL		51548.	34340.	85888.	7706.	4212.	872.	1034.	47137.	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.	99181.	17723.	5261.	431.	99.	95217.	122390.
WORK ITEM 26	10416.	1250.	1031.	2281.	7.	103.	229.	73.	1371.	2621.
WORK ITEM 27	2394.	12545.	7845.	20390.	57.	920.	452.	764.	9275.	21820.
WORK ITEM 28	5527.	51467.	43321.	94788.	8279.	4438.	3537.	4355.	59775.	111243.
WORK ITEM 29	1370.	20179.	13310.	33497.	3056.	1645.	1543.	974.	19362.	39540.
WORK ITEM 30	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WORK ITEM 31	8060.	782.	951.	1733.	121.	83.	109.	0.	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.	44666.	130888.	11522.	7389.	3731.	6179.	91108.	177330.
WORK ITEM 34	0.	5479802.	2465569.	7945371.	416359.	376278.	281030.	61085.	3339236.	9019038.

PROJECT COST LIST

PAGE # 9

CASE# 11-SEGMENT NO. 6		UNIT: 1000RP								
DESCRIPTION	QUANTITY	(1) F.C	(2) L.C	SUBTOTAL (1)+(2)	(3) TAX	(4) PPM	(5) IMPORT DUTY	(6) SUBSIDY	(7) C.TOTAL (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		5479802.	2465569.	7945371.	416359.	376278.	281030.	61085.	3339236.	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.	988.	12775.	42.	577.	2230.	0.	3637.	15624.
WORK ITEM 42	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WORK ITEM 43	1240.	1450.	2923.	4373.	771.	250.	72.	7.	4072.	5474.
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	1174.	151.	551.	702.	98.	34.	55.	7.	746.	891.
WORK ITEM 48	67.	65884.	38692.	124576.	17544.	6084.	13045.	3.	24436.	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		79473.	63155.	142628.	17475.	6944.	15447.	22.	97012.	176684.
SUB-TOTAL		4153977.	2903938.	9057915.	498643.	430340.	326269.	73014.	4759911.	13139122.
OVERHEAD AND PROFIT		1538491.	723946.	2262437.	124511.	107522.	81547.	18464.	1039485.	2578471.
TOTAL		7892468.	3627884.	11520352.	623154.	537862.	407817.	92478.	5799397.	12898823.
FINAL ENGINEERING		307499.	145197.	452695.	24922.	21504.	16313.	3621.	207997.	515696.
SUPERVISION		461544.	217795.	679339.	37473.	32257.	24470.	5521.	311496.	773543.
LAND ACQUISITION		0.	1107000.	1107000.	0.	0.	0.	0.	1107000.	1107000.
COMPENSATION		0.	375000.	375000.	0.	0.	0.	0.	375000.	375000.
PHYSICAL CONTINGENCY		1153469.	760038.	1913507.	91683.	90612.	61170.	13813.	1011506.	2165374.
TOTAL PROJECT COST*		9615579.	6235953.	15851531.	770695.	681985.	509790.	115022.	8204424.	17826007.

PROJECT COST LIST

CASE# 13-SEGMENT NO. 5		UNIT: 1000RP								
DESCRIPTION	QUANTITY	(1) F.C	(2) L.C	SUBTOTAL (1)+(2)	(3) TAX	(4) PPN	(5)IMPORT DUTY	(6) SUBSIDY	(7)LCCTOTAL (2)+(4)+(5)	(8) TOTAL (1)+(7)
WORK ITEM 1	0.	18276.	9443.	28119.	1673.	1341.	1898.	498.	15555.	33037.
WORK ITEM 2	0.	74703.	37772.	112475.	4694.	5303.	7590.	2792.	57419.	132122.
SUB TOTAL		93379.	47215.	140594.	6367.	6703.	9488.	3490.	71724.	165157.
WORK ITEM 3	4332.	256.	152.	407.	1.	18.	45.	16.	215.	471.
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	4078.	12744.	4073.	15421.	1059.	923.	1545.	477.	17196.	22944.
WORK ITEM 10	13346.	45016.	24917.	69933.	254.	3158.	3532.	3643.	27066.	74882.
WORK ITEM 11	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WORK ITEM 12	1568.	978.	530.	1515.	5.	68.	116.	69.	225.	1704.
WORK ITEM 13	1750.	7204.	3245.	10540.	1979.	501.	96.	37.	5832.	13124.
SUB TOTAL		66294.	35523.	101817.	3247.	4728.	3337.	4243.	44814.	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.	15.	1.	1631.	2019.
WORK ITEM 22	640.	14740.	40859.	55099.	9146.	2893.	626.	73.	53564.	67800.
WORK ITEM 23	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WORK ITEM 24	7.	154.	531.	489.	118.	36.	4.	1.	691.	744.
WORK ITEM 25	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SUB TOTAL		16777.	42643.	57420.	9584.	3013.	643.	75.	55885.	70662.
WORK ITEM 26	3698.	437.	360.	797.	3.	36.	25.	0.	476.	915.
WORK ITEM 27	3134.	15498.	9942.	25841.	73.	1166.	575.	974.	11755.	27651.
WORK ITEM 28	4075.	75104.	63292.	138488.	12094.	6774.	5108.	6383.	87332.	142522.
WORK ITEM 29	1540.	22977.	15165.	38142.	3480.	1873.	1529.	11.9.	22047.	43024.
WORK ITEM 30	992.	4924.	6953.	11877.	1331.	594.	497.	65.	2366.	14299.
WORK ITEM 31	15279.	1288.	1547.	2855.	199.	137.	279.	15.	2782.	3470.
WORK ITEM 32	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WORK ITEM 33	636.	99.	106.	205.	13.	10.	17.	2.	140.	245.
SUB TOTAL		120814.	97385.	218203.	17195.	10593.	8133.	8552.	133307.	254125.
WORK ITEM 34	0.	704362.	120517.	1624879.	51860.	48453.	40456.	33574.	461286.	1165644.

PROJECT COST LIST

CASE# 13-SEGMENT NO. 5		UNIT: 1000RP								
DESCRIPTION	QUANTITY	(1) F.C	(2) L.C	SUBTOTAL (1)+(2)	(3) TAX	(4) PPN	(5)IMPORT DUTY	(6) SUBSIDY	(7)LCCTOTAL (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		704362.	120517.	1624879.	51860.	48453.	40456.	33574.	461286.	1165644.
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.	8415.	2851.	11479.	495.	539.	2395.	7.	4294.	14419.
WORK ITEM 41	640.	6274.	526.	6800.	72.	107.	34.	0.	2142.	8334.
WORK ITEM 42	1570.	1959.	2167.	3226.	528.	169.	44.	4.	2904.	3963.
WORK ITEM 43	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WORK ITEM 44	4.	13.	245.	278.	53.	15.	0.	0.	333.	346.
WORK ITEM 45	4.	51.	4605.	4656.	927.	250.	0.	0.	5775.	5804.
WORK ITEM 46	2.	26.	3107.	3133.	1652.	188.	1.	0.	4344.	4374.
WORK ITEM 47	495.	115.	419.	533.	74.	27.	4.	0.	563.	677.
WORK ITEM 48	33.	3245.	29978.	43591.	5190.	2955.	6445.	0.	43547.	75997.
WORK ITEM 49	4.	30000.	7121.	37120.	1399.	1733.	6134.	0.	14407.	46407.
WORK ITEM 50	4.	760211.	43492.	1437023.	19934.	36394.	57668.	27.	177422.	437694.
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		338795.	133471.	472266.	29080.	22588.	73934.	51.	259471.	598466.
SUB-TOTAL		1338424.	676754.	2015178.	110933.	96080.	135944.	51076.	1029767.	2367181.
OVERHEAD AND PROFIT		334600.	169189.	503795.	29983.	24020.	33997.	12504.	257189.	591795.
T O T A L		1673030.	845943.	2518973.	140916.	120100.	169941.	62532.	1285944.	2958974.
FINAL ENGINEERING		66921.	33838.	100759.	5997.	4804.	6799.	2401.	57437.	118359.
SUPERVISION		100382.	50757.	151138.	8995.	7204.	10199.	3752.	77157.	177539.
LAND ACQUISITION		0.	825250.	825250.	0.	0.	0.	0.	825250.	825250.
COMPENSATION		0.	514000.	514000.	0.	0.	0.	0.	514000.	514000.
PHYSICAL CONTINGENCY		250955.	327779.	578733.	22487.	27055.	25498.	9380.	402819.	653774.
TOTAL PROJECT COST		2091285.	2597566.	4688854.	187396.	159165.	212483.	78165.	3154410.	5247894.

PROJECT COST LIST

PAGE = 12

CASE# 11-SEGMENT NO. 4		UNIT 1000P								
DESCRIPTION	QUANTITY	(1) F.C	(2) L.C	SUBTOTAL (1)+(2)	(3) TAX	(4) PPN	(5) IMPORT DUTY	(6) SUBSIDY	(7)LCOTOTAL (2+3+4+5)	(8) TOTAL (1)+(7)
WDR ITEM 1	0.	395073.	69168.	296221.	15637.	33944.	11600.	1558.	340369.	335422.
WDR ITEM 2	0.	780291.	396591.	1176882.	62628.	55778.	46400.	5823.	561397.	1341688.
SUB TOTAL		975364.	495739.	1471103.	78265.	69722.	58000.	7279.	701746.	1677109.
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.	233.	1.	11.	0.	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	34.87.	21769.	11931.	33701.	105.	1521.	2582.	1535.	14139.	37908.
WDR ITEM 13	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SUB TOTAL		21920.	12114.	31934.	106.	1532.	2582.	1535.	14233.	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.
SUB 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.
SUB TOTAL		0.	0.	0.	0.	0.	0.	0.	0.	0.
WDR ITEM 34	0.	12887455.	6505072.	19392527.	1025918.	918830.	751885.	95479.	9201705.	22089160.

PROJECT COST LIST

PAGE = 13

CASE# 11-SEGMENT NO. 4		UNIT 1000P								
DESCRIPTION	QUANTITY	(1) F.C	(2) L.C	SUBTOTAL (1)+(2)	(3) TAX	(4) PPN	(5) IMPORT DUTY	(6) SUBSIDY	(7)LCOTOTAL (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		12887455.	6505072.	19392527.	1025918.	918830.	751885.	95479.	9201705.	22089160.
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	0.	785.	1079.	2395.	392.	125.	79.	3.	2154.	2947.
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	1213.	232.	8214.	6766.	2104.	377.	1.	2.	9696.	8740.
WDR ITEM 48	0.	94407.	849.	1087.	151.	55.	45.	11.	1541.	1375.
WDR ITEM 49	0.	0.	86097.	176698.	15172.	8713.	18749.	4.	124681.	221087.
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.
SLB TOTAL		95471.	92769.	188241.	17770.	9270.	18865.	20.	134674.	251146.
SUB-TOTAL		13980210.	7105594.	21085804.	1127078.	999355.	811331.	104328.	10058358.	24038568.
OVERHEAD AND PROFIT		3495053.	1776399.	5271451.	280519.	249819.	207833.	26087.	2514589.	6009647.
TOTAL		17475263.	8881993.	24357256.	1402597.	1249173.	1039164.	130409.	12572947.	30648210.
FINAL ENGINEERING		69910.	356210.	1154290.	54104.	49968.	41567.	5216.	502417.	1201928.
SUPERVISION		1048516.	532920.	1581435.	84156.	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 CONTINGENCY		2621289.	1403574.	4224863.	210390.	199586.	155875.	19561.	2164724.	4790714.
TOTAL PROJECT COST		21844078.	13182266.	35026345.	1753248.	1573699.	1298955.	163012.	17808167.	39652245.

PROJECT COST LIST

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CASE# 11-SERMENT NO. 7

UNITS: 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)
WPR ITEM 1	0.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WPR ITEM 2	0.	2794.00	21172.00	12278.00	834.00	590.00	418.00	257.00	7134.00	14119.00
SUB TOTAL		34924.00	26465.00	61389.00	4168.00	2950.00	2088.00	1259.00	35671.00	70596.00
WPR ITEM 3	4520.	385.00	228.00	613.00	2.00	28.00	0.00	25.00	323.00	708.00
WPR ITEM 4	0.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WPR ITEM 5	0.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WPR ITEM 6	0.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WPR ITEM 7	0.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WPR ITEM 8	0.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WPR ITEM 9	29450.	43565.00	22875.00	66370.00	3618.00	3149.00	9279.00	1637.00	34852.00	78416.00
WPR ITEM 10	45617.	120134.00	86492.00	186633.00	627.00	8425.00	4998.00	9723.00	79499.00	192835.00
WPR ITEM 11	0.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WPR ITEM 12	31422.	19766.00	116633.00	20977.00	93.00	1353.00	2290.00	1365.00	16356.00	33720.00
WPR ITEM 13	7400.	12614.00	14441.00	14670.00	4596.00	2501.00	437.00	164.00	25994.00	58313.00
SUB TOTAL		215964.00	144005.00	330572.00	12985.00	15460.00	12173.00	12209.00	55223.00	371199.00
WPR ITEM 14	0.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WPR ITEM 15	0.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WPR ITEM 16	0.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WPR ITEM 17	0.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WPR ITEM 18	0.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WPR ITEM 19	0.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WPR ITEM 20	0.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WPR ITEM 21	0.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WPR ITEM 22	37.	281.00	926.00	1207.00	207.00	46.00	0.00	0.00	1206.00	1487.00
WPR ITEM 23	491.	11597.00	31397.00	40990.00	6816.00	2152.00	466.00	59.00	30849.00	50442.00
WPR ITEM 24	0.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WPR ITEM 25	5.	115.00	390.00	497.00	84.00	26.00	3.00	0.00	493.00	604.00
SUB TOTAL		10987.00	31703.00	42690.00	7125.00	2242.00	478.00	56.00	41548.00	52335.00
WPR ITEM 26	4104.	475.00	0.00	919.00	3.00	41.00	92.00	29.00	552.00	1056.00
WPR ITEM 27	1970.	524.00	3277.00	8517.00	24.00	384.00	189.00	321.00	3874.00	9114.00
WPR ITEM 28	2229.	20756.00	12621.00	18222.00	1332.00	1820.00	1822.00	1736.00	26107.00	44663.00
WPR ITEM 29	391.	5744.00	3791.00	9534.00	870.00	468.00	382.00	277.00	5512.00	11256.00
WPR ITEM 30	0.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WPR ITEM 31	1755.	364.00	443.00	807.00	56.00	39.00	79.00	4.00	617.00	981.00
WPR ITEM 32	0.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WPR ITEM 33	1432.	723.00	239.00	463.00	29.00	22.00	39.00	4.00	329.00	552.00
SUB TOTAL		32437.00	25637.00	58469.00	4321.00	2826.00	2208.00	2392.00	34991.00	67823.00
WPR ITEM 34	0.	180185.00	152857.00	333240.00	26519.00	16189.00	7991.00	1353.00	201556.00	383939.00

PROJECT COST LIST

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CASE# 11-SERMENT NO. 7

UNITS: 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	0.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WORK ITEM 36	0.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SUB TOTAL		180381.00	152857.00	333240.00	26519.00	16189.00	7991.00	1183.00	201556.00	383939.00
WORK ITEM 37	0.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WORK ITEM 38	872.	1245.00	5174.00	6819.00	519.00	331.00	0.00	14.00	4446.00	7693.00
WORK ITEM 39	7340.	117.00	639.00	756.00	15.00	35.00	0.00	14.00	604.00	804.00
WORK ITEM 40	330.	6309.00	1431.00	5739.00	269.00	269.00	9196.00	6.00	5167.00	7654.00
WORK ITEM 41	235.	2734.00	187.00	2821.00	8.00	169.00	423.00	17.00	727.00	2081.00
WORK ITEM 42	982.	98.00	1612.00	2400.00	393.00	124.00	29.00	3.00	2104.00	2984.00
WORK ITEM 43	0.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WORK ITEM 44	1.	0.00	20.00	20.00	15.00	4.00	0.00	0.00	83.00	87.00
WORK ITEM 45	3.	23.00	3454.00	3477.00	690.00	187.00	1.00	0.00	4331.00	4355.00
WORK ITEM 46	0.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WORK ITEM 47	437.	56.00	205.00	261.00	76.00	13.00	71.00	1.00	275.00	331.00
WORK ITEM 48	17.	16717.00	14892.00	31609.00	2678.00	1543.00	3370.00	1.00	27433.00	39150.00
WORK ITEM 49	0.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WORK ITEM 50	0.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WORK ITEM 51	0.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WORK ITEM 52	0.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SUB TOTAL		25492.00	28059.00	53551.00	4671.00	2618.00	4995.00	53.00	40293.00	65785.00
SUB-TOTAL		500586.00	379325.00	879912.00	59739.00	42284.00	29936.00	17057.00	511287.00	1011869.00
OVERHEAD AND PROFIT		125147.00	94831.00	219978.00	14935.00	10571.00	7483.00	4513.00	127821.00	252967.00
T O T A L		625733.00	474156.00	1099890.00	74674.00	52855.00	37417.00	22569.00	639108.00	1264833.00
FINAL ENGINEERING		25029.00	18966.00	43996.00	2987.00	2114.00	1497.00	903.00	25564.00	50593.00
SUPERVISION		37544.00	27449.00	65993.00	4480.00	3171.00	2245.00	1354.00	34366.00	75890.00
LAND ACQUISITION		0.00	60000.00	60000.00	0.00	0.00	0.00	0.00	60000.00	60000.00
COMPENSATION		0.00	54000.00	54000.00	0.00	0.00	0.00	0.00	54000.00	54000.00
PHYSICAL CONTINGENCY		93860.00	88223.00	182083.00	11201.00	8698.00	5613.00	3365.00	113735.00	207595.00
TOTAL PROJECT COST		782166.00	723796.00	1505962.00	93543.00	66839.00	46771.00	28206.00	930744.00	1712915.00

CASE# 13-SEGMENT NO. 8		UNIT# 1006RP									
DESCRIPTION	QUANTITY	(1) F.C	(2) L.C	SUBTOTAL (1)+(2)	(3) TAX	(4) PPN	(5) IMPORT DUTY	(6) SUBSIDY	(7) LOCAL TOTAL (2)+(3)+(4)+(5)	(8) TOTAL (1)+(7)	
JCRP ITE 1	0.	26467.	14142.	42722.	3252.	4009.	3472.	711.	25128.	51528.	
JCRP ITE 2	0.	103402.	65360.	170988.	17098.	8278.	13847.	2844.	107511.	206115.	
SUB TOTAL		132002.	81788.	213710.	16225.	10347.	17359.	3556.	125639.	257641.	
JCRP ITE 3	15017.	877.	576.	1413.	5.	64.	150.	57.	745.	1457.	
JCRP ITE 4	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
JCRP ITE 5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
JCRP ITE 6	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
JCRP ITE 7	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
JCRP ITE 8	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
JCRP ITE 9	40923.	40114.	31470.	91584.	4993.	4344.	7204.	2251.	44093.	108209.	
JCRP ITE 10	29321.	30144.	165858.	488304.	1828.	21120.	10428.	24398.	197941.	501430.	
JCRP ITE 11	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
JCRP ITE 12	4602.	4651.	2220.	6271.	19.	263.	480.	0.	5103.	7054.	
JCRP ITE 13	17000.	70871.	31518.	102391.	18714.	5451.	952.	357.	54655.	127527.	
SUB TOTAL		437379.	232590.	669969.	25449.	31294.	19145.	27349.	504477.	745552.	
JCRP ITE 14	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
JCRP ITE 15	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
JCRP ITE 16	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
JCRP ITE 17	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
JCRP ITE 18	5.	2432.	8914.	11371.	2020.	403.	47.	5.	11611.	14049.	
JCRP ITE 19	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
JCRP ITE 20	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
JCRP ITE 21	131.	995.	3280.	4275.	753.	225.	13.	4.	6272.	5264.	
JCRP ITE 22	1447.	37492.	169153.	145845.	24315.	7657.	1656.	194.	141733.	179475.	
JCRP ITE 23	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
JCRP ITE 24	18.	407.	1366.	1771.	303.	43.	11.	1.	1774.	2181.	
JCRP ITE 25	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
SUB TOTAL		41531.	121734.	163265.	27377.	8579.	1749.	264.	157439.	200970.	
JCRP ITE 26	25035.	3008.	7678.	5483.	18.	248.	551.	175.	3294.	6298.	
JCRP ITE 27	4877.	7555.	15982.	41537.	117.	1874.	922.	1564.	19895.	44451.	
JCRP ITE 28	18527.	172082.	145602.	318096.	27828.	15382.	11882.	14632.	709713.	323902.	
JCRP ITE 29	2707.	41197.	27190.	68387.	6240.	338.	2741.	1989.	39524.	40724.	
JCRP ITE 30	902.	4924.	6953.	11877.	1331.	594.	472.	65.	7500.	14297.	
JCRP ITE 31	24421.	2769.	7832.	5251.	366.	753.	513.	24.	4016.	6587.	
JCRP ITE 32	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
JCRP ITE 33	17354.	2707.	7878.	5405.	347.	268.	469.	57.	1987.	6689.	
SUB TOTAL		252746.	263989.	456735.	36248.	22184.	17571.	18510.	279993.	532239.	
JCRP ITEM 34	0.	153442.	129038.	282480.	22603.	13720.	6847.	1154.	172217.	325659.	

CASE# 13-SEGMENT NO. 8		UNIT# 1000RP									
DESCRIPTION	QUANTITY	(1) F.C	(2) L.C	SUBTOTAL (1)+(2)	(3) TAX	(4) PPN	(5) IMPORT DUTY	(6) SUBSIDY	(7) LOCAL TOTAL (2)+(3)+(4)+(5)	(8) TOTAL (1)+(7)	
JCRP ITE 35	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
JCRP ITE 36	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
SUB TOTAL		53642.	22908.	292480.	22603.	13729.	6847.	1154.	172217.	325659.	
JCRP ITE 37	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
JCRP ITE 38	1275.	1221.	2138.	9971.	788.	484.	0.	23.	9428.	11249.	
JCRP ITE 39	20203.	467.	2541.	3008.	58.	138.	0.	58.	2737.	3204.	
JCRP ITE 40	400.	7434.	2601.	10435.	454.	490.	2177.	7.	5722.	13356.	
JCRP ITE 41	540.	917.	744.	9970.	33.	446.	1722.	50.	2964.	12071.	
JCRP ITE 42	1546.	1004.	2446.	3334.	546.	175.	41.	4.	1001.	4095.	
JCRP ITE 43	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
JCRP ITE 44	0.	17.	328.	417.	75.	22.	1.	1.	500.	519.	
JCRP ITE 45	3.	23.	1454.	3477.	690.	187.	1.	0.	4331.	4335.	
JCRP ITE 46	2.	26.	317.	3135.	152.	188.	1.	1.	4348.	4374.	
JCRP ITE 47	283.	166.	670.	705.	106.	39.	60.	8.	800.	971.	
JCRP ITE 48	50.	5579.	49637.	106124.	8271.	5083.	10937.	2.	73897.	120945.	
JCRP ITE 49	0.	44904.	17681.	55680.	2099.	2600.	9231.	0.	24611.	68610.	
JCRP ITE 50	4.	240211.	41492.	463722.	19934.	10364.	57688.	32.	172432.	437668.	
JCRP ITE 51	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
JCRP ITE 52	0.	49417.	235070.	279100.	20000.	35960.	104300.	0.	445260.	939360.	
SUB TOTAL		274939.	462043.	1277016.	104660.	62175.	186145.	191.	735064.	1629996.	
PHYSICAL COST TOTAL		189209.	1479342.	3163171.	732562.	148308.	248816.	5096.	1800828.	3692837.	
OVERHEAD COST TOTAL		47579.	227745.	765793.	58146.	37077.	82204.	12761.	459207.	923214.	
TOTAL COST		236787.	1669927.	3929964.	290702.	185385.	331020.	63707.	2251035.	4616072.	
FINAL COST TOTAL		26671.	59557.	153150.	11678.	7415.	32441.	2548.	90641.	184863.	
SUB TOTAL		14172.	87896.	229738.	17442.	11123.	18661.	3822.	133062.	270664.	
PHYSICAL COST TOTAL		0.	833300.	833300.	0.	0.	0.	0.	833300.	833300.	
OVERHEAD COST TOTAL		0.	814000.	814000.	0.	0.	0.	0.	814000.	814000.	
PHYSICAL COST TOTAL		336754.	436644.	791440.	43605.	37377.	46653.	9556.	364519.	919275.	
TOTAL PROJECT COST		2956799.	3494304.	6456600.	363378.	241500.	388773.	79631.	4487958.	7444234.	

PROJECT COST LIST

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CASEC 11-SEGMENT NO. 9		UNIT: 1000RP									
DESCRIPTION	QUANTITY	(1) F.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)	
WCRB ITEM 1	0.	8645.	5407.	13852.	1033.	470.	463.	417.	2922.	16018.	
WCRB ITEM 2	0.	33781.	21627.	55408.	4131.	2679.	1852.	1670.	39289.	64071.	
SUB TOTAL		42226.	27034.	69260.	5164.	3349.	2315.	2087.	37867.	80088.	
WCRB ITEM 3	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WCRB ITEM 4	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WCRB ITEM 5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WCRB ITEM 6	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WCRB ITEM 7	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WCRB ITEM 8	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WCRB ITEM 9	59570.	87435.	45771.	133206.	7261.	6321.	10595.	3374.	69448.	157185.	
WCRB ITEM 10	47513.	227721.	124047.	353768.	1283.	15977.	7764.	14431.	151171.	379122.	
WCRB ITEM 11	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WCRB ITEM 12	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WCRB ITEM 13	32250.	13445.	59792.	194242.	35540.	10340.	1000.	677.	107477.	249227.	
SUB TOTAL		44905.	231699.	681214.	46094.	32638.	20145.	22382.	324494.	778102.	
WCRB ITEM 14	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WCRB ITEM 15	38.	1134.	7611.	3745.	607.	199.	0.	0.	3494.	4628.	
WCRB ITEM 16	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WCRB ITEM 17	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WCRB ITEM 18	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WCRB ITEM 19	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WCRB ITEM 20	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WCRB ITEM 21	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WCRB ITEM 22	350.	4084.	13470.	17555.	3011.	925.	130.	16.	17543.	21627.	
WCRB ITEM 23	300.	10788.	37954.	41742.	4959.	2197.	475.	56.	41579.	51367.	
WCRB ITEM 24	5.	114.	380.	497.	84.	26.	0.	0.	493.	604.	
WCRB ITEM 25	5.	222.	884.	1106.	194.	61.	7.	1.	1144.	1431.	
SUB TOTAL		1640.	48239.	56699.	10917.	3403.	640.	77.	63258.	79659.	
WCRB ITEM 26	9000.	1080.	801.	1971.	6.	89.	0.	0.	1180.	2204.	
WCRB ITEM 27	7075.	10873.	4890.	17473.	50.	798.	392.	664.	1819.	18917.	
WCRB ITEM 28	4998.	46541.	10174.	85715.	7437.	4194.	3199.	3918.	54054.	100594.	
WCRB ITEM 29	917.	13504.	8914.	22421.	7040.	1101.	899.	452.	17940.	26466.	
WCRB ITEM 30	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WCRB ITEM 31	8250.	0.	974.	1774.	174.	85.	173.	0.	1356.	2156.	
WCRB ITEM 32	1440.	225.	240.	465.	29.	22.	39.	4.	331.	555.	
SUB TOTAL		73026.	54993.	130019.	9741.	6280.	4900.	5332.	77924.	150949.	
WCRB ITEM 34	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	

PROJECT COST LIST

PAGE = 19

CASEC 11-SEGMENT NO. 9		UNIT: 1000RP									
DESCRIPTION	QUANTITY	(1) F.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	233.	374.	1502.	1878.	145.	89.	1.	4.	1722.	2073.	
WORK ITEM 39	11318.	181.	985.	1166.	23.	53.	0.	23.	1061.	1247.	
WORK ITEM 40	600.	7834.	2603.	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.	1662.	2464.	400.	128.	30.	3.	2202.	3302.	
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.	3456.	3477.	690.	187.	0.	0.	4331.	4335.	
WORK ITEM 46	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 47	475.	61.	222.	283.	39.	15.	22.	3.	299.	359.	
WORK ITEM 48	15.	16750.	13140.	27890.	2363.	1361.	2929.	1.	17794.	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.	47533.	4114.	2374.	5161.	40.	35144.	59131.	
SUB-TOTAL		605246.	387480.	992726.	74020.	48004.	33180.	29918.	542684.	1147930.	
OVERHEAD AND PROFIT		151312.	96870.	248182.	18503.	12001.	8299.	7680.	135671.	286985.	
T O T A L		756558.	484351.	1240908.	92523.	60004.	41475.	37398.	678355.	1434913.	
FINAL ENGINEERING		30262.	19374.	49636.	3701.	2400.	1659.	1496.	27134.	57397.	
SUPERVISION		45393.	29061.	74454.	5551.	3600.	2489.	2744.	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.	17647.	6221.	5610.	302550.	416034.	
TOTAL PROJECT COST		945697.	2078588.	3024285.	115656.	83652.	51844.	46747.	2529740.	3725437.	

PROJECT COST LIST

CASE# 11-SEWAGE NO. 10		UNIT 100000									
DESCRIPTION	QUANTITY	(1) F.C	(2) L.C	SUBTOTAL (1)+(2)	(3) TAX	(4) PPN	(5) IMPORT DUTY	(6) SUBSIDY	(7) LOCAL (7)+(4)+(5)	(8) TOTAL (1)+(7)	
WORK ITEM 1	0.	00220.	50817.	117077.	2279.	5830.	6193.	2694.	8993.	135142.	
WORK ITEM 2	0.	264918.	703369.	468287.	32956.	22556.	16770.	10790.	27961.	540560.	
SUB TOTAL		331147.	754212.	585339.	41195.	28195.	20903.	13480.	344504.	675711.	
WORK ITEM 3	12870.	750.	450.	1210.	0.	0.	12.	49.	63.	1397.	
WORK ITEM 4	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 5	1050.	904.	480.	1384.	0.	62.	110.	59.	662.	1564.	
WORK ITEM 6	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 7	2.	75.	41.	116.	1.	5.	0.	7.	47.	127.	
WORK ITEM 8	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 9	271855.	399155.	209056.	608411.	33160.	28871.	48390.	14957.	117444.	718830.	
WORK ITEM 10	444657.	1497806.	229056.	2326859.	8637.	105088.	51607.	121228.	493664.	2421511.	
WORK ITEM 11	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 12	15429.	9625.	5277.	14904.	40.	673.	1142.	479.	7131.	16765.	
WORK ITEM 13	141473.	589801.	267291.	852092.	155903.	45160.	7924.	2971.	471471.	1061277.	
SUB TOTAL		2498327.	1304650.	3694977.	197562.	180174.	108743.	139944.	1793091.	4291418.	
WORK ITEM 14	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 15	152.	4534.	10444.	14978.	2667.	794.	73.	18.	11971.	18512.	
WORK ITEM 16	750.	11701.	25596.	17291.	650.	1971.	244.	27.	34325.	46024.	
WORK ITEM 17	30.	12852.	49746.	62598.	11264.	3324.	143.	19.	64517.	77369.	
WORK ITEM 18	32.	15407.	57179.	72787.	12660.	3850.	279.	33.	74304.	89911.	
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.	17409.	57612.	75082.	12879.	3958.	540.	67.	75179.	92498.	
WORK ITEM 22	2150.	46386.	133102.	179488.	2992.	9424.	2040.	239.	174491.	220874.	
WORK ITEM 23	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 24	23.	520.	1746.	2266.	387.	119.	14.	2.	2247.	2784.	
WORK ITEM 25	23.	1296.	1045.	5362.	309.	282.	46.	5.	5287.	6584.	
SUB TOTAL		110366.	339485.	449851.	77487.	23730.	3474.	444.	444196.	554562.	
WORK ITEM 26	48955.	3878.	4850.	10728.	34.	64.	1078.	343.	3446.	12324.	
WORK ITEM 27	11494.	60229.	37666.	97894.	276.	4418.	2172.	3690.	44332.	104760.	
WORK ITEM 28	22402.	753167.	214777.	449944.	41068.	22995.	17371.	21593.	296527.	551521.	
WORK ITEM 29	5149.	75460.	50033.	125893.	11687.	6187.	5046.	3661.	77669.	168009.	
WORK ITEM 30	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 31	45762.	4439.	5400.	9839.	686.	474.	981.	48.	7521.	11960.	
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.	26981.	29351.	429045.	831564.	
WORK ITEM 34	0.	1123798.	1187851.	2311649.	182606.	112241.	82331.	9325.	1565027.	2688825.	

PROJECT COST LIST

CASE# 11-SEWAGE NO. 10		UNIT 100000									
DESCRIPTION	QUANTITY	(1) F.C	(2) L.C	SUBTOTAL (1)+(2)	(3) TAX	(4) PPN	(5) IMPORT DUTY	(6) SUBSIDY	(7) LOCAL (7)+(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		1123798.	1187851.	2311649.	182606.	112241.	82331.	9325.	1565027.	2688825.	
WORK ITEM 37	796.	7584.	8162.	15746.	2110.	802.	707.	110.	11761.	19324.	
WORK ITEM 38	20502.	147974.	67128.	221224.	4490.	1988.	53.	189.	72659.	92456.	
WORK ITEM 39	6427.	3754.	1744.	6001.	132.	312.	0.	137.	4188.	7243.	
WORK ITEM 40	7244.	94557.	31374.	125931.	5475.	5914.	26481.	80.	69164.	163623.	
WORK ITEM 41	4294.	60906.	3476.	44793.	146.	2000.	7730.	224.	11302.	54168.	
WORK ITEM 42	7242.	5924.	11891.	17699.	7897.	927.	217.	22.	15932.	21740.	
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	9.	0.	1347.	16430.	2049.	562.	2.	0.	17994.	13064.	
WORK ITEM 46	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WORK ITEM 47	2413.	113.	1143.	1454.	203.	75.	115.	15.	1536.	1844.	
WORK ITEM 48	112.	115057.	107493.	217549.	18430.	10619.	22050.	5.	154392.	269444.	
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		280285.	241724.	522009.	37953.	25198.	57954.	775.	362830.	643114.	
SUB-TOTAL		476044.	3441701.	8301649.	590456.	404127.	100468.	103327.	4934793.	9685194.	
OVERHEAD & PROFIT		1146017.	917925.	2063942.	147614.	101032.	73117.	48332.	1234088.	2412298.	
TOTAL		5933051.	4554627.	10478791.	738070.	505159.	375545.	241459.	6171441.	12106492.	
FINAL SCHEDULE		737322.	182185.	419507.	29523.	20206.	15025.	9666.	246938.	484280.	
INSTALLATION		355981.	273278.	629260.	44284.	30370.	22535.	14500.	370406.	726370.	
LAND ACQUISITION		0.	3864875.	3864875.	0.	0.	0.	0.	3864875.	3864875.	
COMPENSATION		0.	1867500.	1867500.	0.	0.	0.	0.	1867500.	1867500.	
PHYSICAL CONTINGENCY		889954.	1543050.	2433004.	110711.	114467.	56338.	36249.	1824566.	2714524.	
TOTAL PROJECT COST		7416314.	1225515.	1901828.	922588.	670142.	469487.	302074.	14347726.	21760404.	

PROJECT COST LIST

CASE# 11-SEGMENT NO. 11 UNIT 100000

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)
WCRP ITEM 1	0.	20172.	14281.	36653.	2309.	1684.	1879.	626.	27143.	40515.
WCRP ITEM 2	0.	8168.	57164.	116651.	9236.	6655.	7317.	2470.	87572.	162059.
SUB TOTAL		101458.	71456.	173313.	11545.	8339.	9396.	3490.	117714.	202571.
WCRP ITEM 5	1120.	184.	109.	293.	0.	0.	13.	12.	155.	339.
WCRP ITEM 6	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WCRP ITEM 7	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WCRP ITEM 8	1.	3.	21.	24.	0.	0.	0.	0.	23.	61.
WCRP ITEM 9	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WCRP ITEM 10	58499.	86679.	45370.	132749.	7198.	6266.	10514.	3245.	61336.	154105.
WCRP ITEM 11	140766.	33988.	182130.	522016.	3915.	23867.	13590.	2719.	745440.	505335.
WCRP ITEM 12	5249.	3775.	1705.	5079.	0.	0.	0.	0.	2479.	5764.
WCRP ITEM 13	14944.	78911.	35048.	113959.	27832.	6961.	6074.	3079.	61100.	144111.
SUB TOTAL		508461.	276473.	779336.	29542.	36438.	23598.	31398.	367421.	669283.
WCRP ITEM 14	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WCRP ITEM 15	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WCRP ITEM 16	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WCRP ITEM 17	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WCRP ITEM 18	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WCRP ITEM 19	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WCRP ITEM 20	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WCRP ITEM 21	52.	395.	1302.	1497.	291.	89.	15.	2.	1097.	2094.
WCRP ITEM 22	490.	14487.	42717.	57403.	9603.	3024.	653.	77.	54900.	70866.
WCRP ITEM 23	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WCRP ITEM 24	7.	154.	531.	489.	118.	36.	4.	1.	691.	648.
WCRP ITEM 25	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SUB TOTAL		13440.	44550.	57990.	10012.	3150.	672.	79.	59385.	73424.
WCRP ITEM 26	8889.	1067.	880.	1947.	6.	28.	190.	62.	1177.	2234.
WCRP ITEM 27	2100.	11004.	6882.	17886.	50.	407.	397.	476.	4131.	19141.
WCRP ITEM 28	5515.	51354.	43227.	94582.	8261.	4628.	3334.	4342.	57966.	111007.
WCRP ITEM 29	1432.	21092.	13920.	35012.	3194.	1719.	1403.	1018.	27238.	43337.
WCRP ITEM 30	780.	3872.	5467.	9339.	1047.	467.	33.	57.	7584.	11234.
WCRP ITEM 31	9036.	876.	1066.	1941.	136.	54.	19.	9.	1485.	2326.
WCRP ITEM 32	2863.	276.	344.	620.	43.	50.	60.	3.	472.	752.
WCRP ITEM 33	627.	94.	105.	203.	13.	10.	17.	2.	144.	247.
SUB TOTAL		89640.	71891.	161531.	12750.	7843.	6175.	6166.	98659.	180299.
WORK ITEM 34	0.	423466.	439539.	863005.	74420.	42184.	24956.	3527.	581101.	1004567.

PROJECT COST LIST

CASE# 11-SEGMENT NO. 11 UNIT 100000

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)
WCRP ITEM 35	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WCRP ITEM 36	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SUB TOTAL		423466.	439539.	863005.	74420.	42184.	24956.	3527.	581101.	1004567.
WCRP ITEM 37	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WCRP ITEM 38	2663.	2342.	10502.	12844.	1015.	464.	0.	30.	13140.	14494.
WCRP ITEM 39	14643.	234.	1295.	1333.	30.	70.	0.	31.	1395.	1431.
WCRP ITEM 40	420.	10717.	3553.	14281.	620.	470.	2976.	9.	2827.	18527.
WCRP ITEM 41	690.	6559.	550.	7109.	73.	32.	1241.	34.	2135.	8484.
WCRP ITEM 42	1642.	1315.	0.	0.	656.	210.	44.	5.	1100.	4923.
WCRP ITEM 43	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WCRP ITEM 44	4.	11.	263.	274.	53.	15.	0.	0.	333.	346.
WCRP ITEM 45	3.	21.	3454.	3476.	690.	187.	1.	0.	4331.	4655.
WCRP ITEM 46	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WCRP ITEM 47	316.	69.	251.	316.	44.	14.	75.	1.	537.	404.
WCRP ITEM 48	17.	16717.	14892.	31609.	2678.	1543.	3370.	1.	27455.	39157.
WCRP ITEM 49	3.	22500.	5340.	27840.	1049.	3300.	4870.	0.	12305.	34905.
WCRP ITEM 50	4.	240211.	83492.	323703.	19934.	16304.	57666.	37.	177458.	427668.
WCRP ITEM 51	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WCRP ITEM 52	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SUB TOTAL		328697.	728289.	1056986.	26793.	21320.	69904.	151.	744355.	565003.
SUB-TOTAL		1459962.	1124197.	2464159.	165445.	119234.	144673.	44410.	1444586.	2403544.
OVERHEAD AND PROFIT		364901.	256049.	621040.	41371.	29808.	33698.	11105.	507997.	725887.
T O T A L		1824963.	1380246.	3105199.	708853.	149042.	168341.	55523.	1804683.	3629451.
FINAL ENGINEERING		72094.	51210.	123304.	8274.	502.	6736.	3331.	109249.	217766.
SUPERVISION		109497.	76815.	186312.	12411.	8943.	10100.	3331.	109249.	217766.
LAND ACQUISITION		0.	807850.	807850.	0.	0.	0.	0.	807850.	807850.
COMPENSATION		0.	166190.	166190.	0.	0.	0.	0.	166190.	166190.
PHYSICAL CONTINGENCY		273743.	167393.	441136.	31028.	30247.	23251.	8128.	453919.	727662.
TOTAL PROJECT COST		2281191.	2944704.	5225895.	254567.	194194.	210420.	69403.	3407291.	5489082.

PROJECT COST LIST

CASE# 12-SERVMENT NO. 12

UNIT: 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)+(3)+(4)+(5)	(8) TOTAL (1)+(7)
WCR ITEM 1	0	28499	20345	48844	3622	2303	2011	470	28144	58844
WCR ITEM 2	0	114797	81379	196176	13709	9445	8042	2679	112575	223727
SUB TOTAL		143497	101723	245220	17137	11808	10053	3349	140719	284215
WCR ITEM 3	14100	95	567	1522	3	69	162	67	802	1757
WCR ITEM 4	0	0	0	0	0	0	0	0	0	0
WCR ITEM 5	1590	1299	690	1977	0	89	165	84	946	2237
WCR ITEM 6	0	38165	2670	40835	7633	3203	0	0	37612	75777
WCR ITEM 7	0	0	0	0	0	0	0	0	0	0
WCR ITEM 8	0	0	0	0	0	0	0	0	0	0
WCR ITEM 9	5890	86221	49130	135351	7141	6233	10446	3220	64977	155199
WCR ITEM 10	145046	352964	153376	506340	1588	74765	12034	28568	254137	587321
WCR ITEM 11	0	0	0	0	0	0	0	0	0	0
WCR ITEM 12	4980	457	2349	6744	21	305	317	367	1232	7591
WCR ITEM 13	23491	97492	43534	141424	25870	7529	1315	493	74233	176144
SUB TOTAL		541409	314397	855806	42690	42252	24640	12742	421979	1005828
WCR ITEM 14	0	0	0	0	0	0	0	0	0	0
WCR ITEM 15	0	0	0	0	0	0	0	0	0	0
WCR ITEM 16	0	0	0	0	0	0	0	0	0	0
WCR ITEM 17	0	0	0	0	0	0	0	0	0	0
WCR ITEM 18	0	0	0	0	0	0	0	0	0	0
WCR ITEM 19	0	0	0	0	0	0	0	0	0	0
WCR ITEM 20	0	0	0	0	0	0	0	0	0	0
WCR ITEM 21	47	501	2170	2839	487	150	22	3	2837	3497
WCR ITEM 22	1152	24454	71318	96872	16074	5049	1093	124	91494	118368
WCR ITEM 23	0	0	0	0	0	0	0	0	0	0
WCR ITEM 24	14	271	911	1182	202	62	7	1	1183	1454
WCR ITEM 25	0	0	0	0	0	0	0	0	0	0
SUB TOTAL		25780	76007	101787	16723	5261	1123	131	97514	123309
WCR ITEM 26	8519	1725	845	1870	0	86	388	0	1926	2148
WCR ITEM 27	2390	2567	7567	19484	53	887	430	741	9462	2104
WCR ITEM 28	546	4908	42059	92027	8038	4503	1634	4228	58036	108002
WCR ITEM 29	948	1425	9410	23668	710	1102	949	488	15680	23988
WCR ITEM 30	572	2437	4009	8849	768	343	281	38	5400	8240
WCR ITEM 31	8519	424	1088	1834	128	88	179	9	1403	2232
WCR ITEM 32	0	0	0	0	0	0	0	0	0	0
WCR ITEM 33	682	103	111	214	13	10	18	2	152	235
SUB TOTAL		81121	65008	146129	11168	7078	5485	5766	88740	169869
WCR ITEM 34	0	93698	732737	826435	126811	80809	41792	5771	982149	1918477

PROJECT COST LIST

CASE# 12-SERVMENT NO. 12

UNIT: 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)+(3)+(4)+(5)	(8) TOTAL (1)+(7)
WCR ITEM 35	0	0	0	0	0	0	0	0	0	0
WCR ITEM 36	0	0	0	0	0	0	0	0	0	0
SUB TOTAL		936193	732737	1668930	126811	80809	41792	5771	982149	1918477
WCR ITEM 37	0	0	0	0	0	0	0	0	0	0
WCR ITEM 38	5828	8351	37552	45903	3031	2231	20	106	43411	51047
WCR ITEM 39	19240	304	1874	19044	36	91	0	38	1804	2132
WCR ITEM 40	2394	30795	9982	40777	1742	1882	8301	25	21972	52056
WCR ITEM 41	542	547	440	547	16	257	992	29	1708	6955
WCR ITEM 42	2394	1848	3783	5631	927	295	45	7	5069	6917
WCR ITEM 43	0	0	0	0	0	0	0	0	0	0
WCR ITEM 44	15	15	332	347	62	35	4	1	411	431
WCR ITEM 45	0	44	4907	4951	1386	375	1	0	4603	8709
WCR ITEM 46	4	53	6214	6267	2104	377	1	2	9494	8748
WCR ITEM 47	43	124	451	574	70	29	43	4	605	729
WCR ITEM 48	0	5211	46426	46947	8349	4810	10351	2	69538	122056
WCR ITEM 49	0	5999	14241	7644	2798	3407	12308	0	37814	92813
WCR ITEM 50	2	132152	41269	173421	9947	8182	28034	18	81729	218534
WCR ITEM 51	0	0	0	0	0	0	0	0	0	0
WCR ITEM 52	0	0	0	0	0	0	0	0	0	0
SUB TOTAL		288330	169766	458096	31076	22014	60993	235	283467	572203
SUB TOTAL		7056787	1454630	8511417	245674	169220	144086	47996	2016984	4673733
OVERHEAD & PROFIT	514197	564509	878706	61406	42305	36022	11998	504242	1018438	
TOTAL	7570984	1922545	4393328	307030	211525	180108	39992	2521208	5092191	
FINAL PAYMENT	102839	72902	175741	12281	8461	7204	2400	10884	203886	
SERVICES	154259	110353	264612	18422	12672	10806	3600	151272	305537	
LANE ACQUISITION	0	961925	963925	0	0	0	0	963925	963925	
EQUIPMENT	0	41325	401325	0	0	0	0	401325	401325	
PHYSICAL CONTINGENCY	38547	477169	843177	44055	40944	27016	899	592184	978832	
TOTAL PROJECT COST	3213720	384219	7661948	383788	273622	225136	74990	4730763	7944922	

PROJECT COST LIST

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CASE# 11-SEGMENT NO. 13		UNIT 1000RP									
DESCRIPTION	QUANTITY	(1) F.C	(2) L.C	SUBTOTAL (1)+(2)	(3) TAX	(4) PPN	(5) IMPORT DUTY	(6)	(7) LCTOTAL SUBSIDY	(8) TOTAL (2)+(4)+(5)	(9) TOTAL (1)+(7)
WORK ITEM 1	0	71160	54064	125224	10001	8084	4621	3047	76570	165710	
WORK ITEM 2	0	284560	216253	500813	40004	24337	17684	12165	294279	502819	
SUB TOTAL		355720	270317	626037	50004	30421	22103	15201	372849	728549	
WORK ITEM 3	65520	3866	0	6159	0	278	655	749	5746	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	368616	570477	299846	869723	47411	41271	69174	21374	454702	1027578	
WORK ITEM 10	540018	1686181	821513	2305994	5360	104132	50002	120125	984602	2468789	
WORK ITEM 11	0	0	0	0	0	0	0	0	0	0	
WORK ITEM 12	24690	16455	9128	25783	0	1184	1975	117	12347	29001	
WORK ITEM 13	216128	901031	400791	1301739	234173	69296	12193	453	225274	1621511	
SUB TOTAL		2976616	1437482	4509992	294046	216141	18509	147461	217177	5153702	
WORK ITEM 14	0	0	0	0	0	0	0	0	0	0	
WORK ITEM 15	258	7696	17727	25423	4524	1348	124	30	21225	31422	
WORK ITEM 16	785	36741	87353	117094	20411	6188	826	195	107779	164520	
WORK ITEM 17	31	13283	51434	64444	11640	3435	149	19	64667	79948	
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	28442	96862	125304	22013	8646	749	40	142443	155044	
WORK ITEM 21	3685	27977	92285	120262	29673	6359	439	107	127156	168900	
WORK ITEM 22	3451	74014	212476	286490	47755	15038	3256	561	274453	352477	
WORK ITEM 23	0	0	0	0	0	0	0	0	0	0	
WORK ITEM 24	35	791	2637	3447	590	182	21	1	1451	4241	
WORK ITEM 25	15	1071	4186	5257	1370	429	61	1	4146	10019	
SUB TOTAL		191323	59841	751164	128920	39604	6150	722	734521	925846	
WORK ITEM 26	61071	9729	8026	17755	57	802	1746	547	13069	20396	
WORK ITEM 27	18630	97621	61051	158672	447	7160	3521	598	72179	169800	
WORK ITEM 28	44482	413473	348023	761496	86314	32280	28410	35899	487433	893886	
WORK ITEM 29	8693	128039	84505	212544	1939	70437	8519	6181	122855	250494	
WORK ITEM 30	0	0	0	0	0	0	0	0	0	0	
WORK ITEM 31	77245	790	8525	15533	1084	748	1517	72	11875	16881	
WORK ITEM 32	0	0	0	0	0	0	0	0	0	0	
WORK ITEM 33	9880	1541	1650	3191	198	152	467	50	7267	3804	
SUB TOTAL		657409	511779	1169188	87693	56580	64025	47819	709057	1357466	
WORK ITEM 34	0	576209	685263	1261562	102901	60301	47744	5446	876409	1452704	

PROJECT COST LIST

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CASE# 11-SEGMENT NO. 13		UNIT 1000RP									
DESCRIPTION	QUANTITY	(1) F.C	(2) L.C	SUBTOTAL (1)+(2)	(3) TAX	(4) PPN	(5) IMPORT DUTY	(6)	(7) LCTOTAL SUBSIDY	(8) TOTAL (2)+(4)+(5)	(9) 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		576209	685263	1261562	102901	60301	47744	5446	876409	1452704	
WORK ITEM 37	7577	22646	24376	47022	618	2400	2116	528	34210	57454	
WORK ITEM 38	15932	22751	101837	124588	9846	6050	86	287	117613	140361	
WORK ITEM 39	74519	1224	6657	7881	151	362	154	39	1172	859	
WORK ITEM 40	1501	45713	15177	40889	2647	2859	12705	39	3188	7910	
WORK ITEM 41	8861	65221	5468	76489	233	3191	12336	57	21220	8645	
WORK ITEM 42	8831	5301	17266	16788	274	878	206	45	15494	20597	
WORK ITEM 43	2300	3432	5421	8853	1449	464	153	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	17107	10160	
WORK ITEM 46	0	0	0	0	0	0	0	0	0	0	
WORK ITEM 47	3354	429	1570	1999	278	102	130	20	2708	2537	
WORK ITEM 48	177	174753	15056	324107	27692	16064	36390	7	23566	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	53160	32808	62302	1225	481155	824179	
SUB-TOTAL		5098377	3874567	8972939	716730	436033	316835	217981	5346167	10462564	
OVERHEAD AND PROFIT		1274593	968642	2243235	179182	109009	79209	54495	1336062	2610634	
T O T A L		6372965	4843209	11216174	895912	545044	396044	272476	6687209	13053178	
FINAL ENGINEERING		754919	193728	448647	34836	21402	15842	16349	407813	783190	
SUPERVISION		382374	290595	672970	53755	32703	23765	16349	407813	783190	
LAND ACQUISITION		0	6317550	6317550	0	0	0	0	6317550	6317550	
COMPENSATION		0	1972500	1972500	0	0	0	0	1972500	1972500	
PHYSICAL CONTINGENT		955945	1969989	2925934	134387	137714	59407	46871	2301497	3237462	
TOTAL PROJECT COST		7966207	15587569	23553775	1119890	737263	495053	346595	11939777	23905984	

CASE# 11-SEWLINE D. 14		UNIT: 1000PP									
DESCRIPTION	QUANTITY	(1) P.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)	
WPI ITEM 1	0	7317	5124	12441	897	800	303	302	7124	16461	
WPI ITEM 2	0	29271	20475	49746	3588	2401	2012	1444	24495	57765	
SUB TOTAL		36587	24619	62206	4485	3001	2515	1808	35619	72204	
WPI ITEM 3	19104	773	459	1232	4	54	131	30	869	1422	
WPI ITEM 4	20	12	152	164	3	7	6	1	163	189	
WPI ITEM 5	7	0	0	0	0	0	0	0	0	0	
WPI ITEM 6	0	0	0	0	0	0	0	0	0	0	
WPI ITEM 7	0	0	0	0	0	0	0	0	0	0	
WPI ITEM 8	0	0	0	0	0	0	0	0	0	0	
WPI ITEM 9	44896	58491	34063	104953	5771	4980	8147	2579	55112	124007	
WPI ITEM 10	27730	17484	96778	271621	983	12207	5401	14151	115921	290835	
WPI ITEM 11	0	0	0	0	0	0	0	0	0	0	
WPI ITEM 12	4374	2494	1479	4177	13	180	320	190	2000	4694	
WPI ITEM 13	18422	76401	34154	116956	29301	5907	1032	387	61394	138195	
SUB TOTAL		324072	169068	493140	27025	25405	15791	17359	235289	559112	
WPI ITEM 14	0	0	0	0	0	0	0	0	0	0	
WPI ITEM 15	17	1104	2542	3646	649	193	18	0	3402	4508	
WPI ITEM 16	0	0	0	0	0	0	0	0	0	0	
WPI ITEM 17	0	0	0	0	0	0	0	0	0	0	
WPI ITEM 18	0	0	0	0	0	0	0	0	0	0	
WPI ITEM 19	0	0	0	0	0	0	0	0	0	0	
WPI ITEM 20	0	0	0	0	0	0	0	0	0	0	
WPI ITEM 21	460	3011	16525	21536	3694	1135	166	19	21521	26531	
WPI ITEM 22	674	13247	38012	51259	8546	2691	581	68	49831	63078	
WPI ITEM 23	0	0	0	0	0	0	0	0	0	0	
WPI ITEM 24	0	134	453	587	101	31	4	0	591	727	
WPI ITEM 25	0	338	1041	1379	233	24	11	1	1379	1713	
SUB TOTAL		19435	54595	74030	13225	4124	781	93	74725	96560	
WPI ITEM 26	11052	1326	1094	2420	0	109	243	77	1454	2788	
WPI ITEM 27	2548	13357	4350	21701	61	970	682	818	9872	25223	
WPI ITEM 28	6130	57133	48094	105227	9192	5169	3927	4535	66362	123300	
WPI ITEM 29	1126	16585	10946	27531	2512	1352	1103	801	15913	32494	
WPI ITEM 30	0	0	0	0	0	0	0	0	0	0	
WPI ITEM 31	10138	983	1198	2180	152	105	215	10	1066	2650	
WPI ITEM 32	0	0	0	0	0	0	0	0	0	0	
WPI ITEM 33	1770	278	296	572	35	27	48	5	406	682	
SUB TOTAL		89661	49976	139636	11900	7722	6016	6548	95074	185330	
WPI ITEM 34	0	0	0	0	0	0	0	0	0	0	

CASE# 11-SEWLINE D. 14		UNIT: 1000PP									
DESCRIPTION	QUANTITY	(1) P.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)	
WPI ITEM 35	0	0	0	0	0	0	0	0	0	0	
WPI ITEM 36	0	0	0	0	0	0	0	0	0	0	
SUB TOTAL		0	0	0	0	0	0	0	0	0	
WPI ITEM 37	0	0	0	0	0	0	0	0	0	0	
WPI ITEM 38	451	666	2883	3549	270	0	0	0	3819	3979	
WPI ITEM 39	11112	174	967	11879	53	172	2	0	12104	12199	
WPI ITEM 40	357	7273	7415	9487	421	455	2021	22	5312	12385	
WPI ITEM 41	1279	1184	940	12467	42	572	2210	6	3803	15488	
WPI ITEM 42	1228	985	2010	3701	491	157	37	4	2702	3688	
WPI ITEM 43	0	0	0	0	0	0	0	0	0	0	
WPI ITEM 44	0	0	0	0	0	0	0	0	0	0	
WPI ITEM 45	4	31	4615	4646	920	230	1	0	5775	5404	
WPI ITEM 46	0	0	0	0	0	0	0	0	0	0	
WPI ITEM 47	648	82	299	380	53	19	30	4	401	483	
WPI ITEM 48	34	33430	29734	43218	5356	3084	6640	1	44860	78100	
WPI ITEM 49	0	0	0	0	0	0	0	0	0	0	
WPI ITEM 50	0	0	0	0	0	0	0	0	0	0	
WPI ITEM 51	0	0	0	0	0	0	0	0	0	0	
WPI ITEM 52	0	0	0	0	0	0	0	0	0	0	
SUB TOTAL		54307	43948	98255	7384	4743	1044	109	67235	121544	
SUB-TOTAL		524614	167205	691818	66278	43015	36044	25916	515622	1034956	
OVERHEAD & PROFIT		111103	91801	222905	16070	10754	9011	6479	127630	250739	
TOTAL		635517	459006	1114523	80348	53769	45055	32395	643178	1293695	
FINAL DIFFERENCE		26727	18340	44581	3214	2151	1802	1296	25527	51748	
SUPERVISION		39331	27540	66871	4821	3226	2703	1945	39291	76222	
LAND ACQUISITION		0	945725	945725	0	0	0	0	945725	945725	
COMPENSATION		0	499200	499200	0	0	0	0	499200	499200	
PHYSICAL CONTINGENCY		98328	285590	383917	12052	17819	6758	4839	322219	420546	
TOTAL PROJECT COST		819597	223421	3054818	100434	76965	56319	60494	2469139	3288336	

PROJECT COST LIST

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CASE 11-SEGMENT NO. 15		UNIT 1000RP								
DESCRIPTION	QUANTITY	(1) F.C	(2) L.C	SUBTOTAL (1)+(2)	(3) TAX	(4) PPN	(5) IMPORT DUTY	(6) SUBSIDY	(7) LCTOTAL (2)+(4)+(5)	(8) TOTAL (1)+(7)
WORK ITEM 1	0.	55570.	42823.	103393.	8305.	5026.	3239.	1340.	64894.	120464.
WORK ITEM 2	0.	222280.	191293.	413573.	35222.	76100.	14950.	5300.	257576.	481854.
SUB TOTAL		277850.	239116.	516966.	43527.	25132.	18695.	6700.	324470.	602320.
WORK ITEM 3	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WORK ITEM 4	567.	457.	3888.	4345.	28.	181.	0.	0.	5905.	4367.
WORK ITEM 5	75285.	64429.	34405.	99224.	301.	4479.	8281.	4216.	47487.	112287.
WORK ITEM 6	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WORK ITEM 7	10.	1129.	618.	1747.	0.	79.	0.	110.	704.	1831.
WORK ITEM 8	2150.	34611.	21577.	56188.	6996.	2843.	1486.	460.	37902.	67511.
WORK ITEM 9	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WORK ITEM 10	51040.	111466.	61688.	173130.	828.	0.	0.	0.	0.	0.
WORK ITEM 11	57717.	49437.	24608.	76244.	231.	3441.	6524.	3270.	34802.	86434.
WORK ITEM 12	1848.	1153.	632.	1785.	0.	81.	137.	61.	855.	2004.
WORK ITEM 13	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SUB TOTAL		263251.	149214.	412465.	8198.	18030.	20225.	17218.	194567.	499814.
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.	17196.	25060.	4368.	1324.	177.	42.	23066.	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.	22459.
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.	47032.	53887.
WORK ITEM 26	86470.	10376.	3581.	10937.	61.	855.	1902.	605.	11378.	21755.
WORK ITEM 27	26360.	138126.	84382.	224908.	633.	10131.	4982.	8402.	107128.	240254.
WORK ITEM 28	53286.	496199.	117656.	913855.	29822.	44713.	34103.	41989.	376292.	1072946.
WORK ITEM 29	19679.	289852.	191300.	481152.	4390.	23627.	19285.	13992.	278110.	567968.
WORK ITEM 30	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WORK ITEM 31	86470.	8388.	10203.	18591.	1297.	895.	1816.	80.	0.	0.
WORK ITEM 32	16491.	1600.	1995.	3595.	247.	173.	360.	16.	2762.	4362.
WORK ITEM 33	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SUB TOTAL		944541.	716096.	1660638.	125966.	80397.	62433.	65151.	984892.	1929434.
WORK ITEM 34	0.	1775725.	903398.	2679123.	126389.	126248.	86125.	4286.	1242100.	3017485.

PROJECT COST LIST

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CASE 11-SEGMENT NO. 15		UNIT 1000RP								
DESCRIPTION	QUANTITY	(1) F.C	(2) L.C	SUBTOTAL (1)+(2)	(3) TAX	(4) PPN	(5) IMPORT DUTY	(6) SUBSIDY	(7) LCTOTAL (2)+(4)+(5)	(8) TOTAL (1)+(7)
WORK ITEM 35	926.	426400.	118491.	1611301.	245566.	83559.	4597.	493.	1527533.	1943934.
WORK ITEM 36	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SUB TOTAL		2202125.	2088299.	4290424.	371935.	209807.	109636.	6779.	2779693.	6081914.
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	1852.	2418.	8028.	32210.	1600.	1512.	6271.	67.	17662.	4146.
WORK ITEM 41	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WORK ITEM 42	9310.	7659.	15271.	22229.	1727.	1190.	479.	28.	23461.	27918.
WORK ITEM 43	3460.	5132.	8108.	13241.	2167.	454.	276.	41.	13161.	10301.
WORK ITEM 44	10.	96.	1991.	2087.	395.	112.	3.	4.	2501.	2594.
WORK ITEM 45	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WORK ITEM 46	0.	77.	9371.	9398.	3157.	565.	4.	3.	13145.	13122.
WORK ITEM 47	479.	463.	7424.	3087.	436.	358.	243.	33.	3259.	3974.
WORK ITEM 48	157.	154384.	137533.	291910.	24731.	14249.	37696.	4.	207176.	361367.
WORK ITEM 49	12.	80990.	21362.	111160.	4197.	5210.	18462.	0.	47221.	13922.
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.	214038.	496031.	40198.	23680.	36571.	316.	304481.	606481.
SUB-TOTAL		592514.	3627377.	7409841.	595219.	300228.	207966.	96036.	4657742.	11433254.
OVERHEAD AND PROFIT		995629.	856832.	1852461.	148003.	90057.	66992.	24037.	1162406.	2158313.
TOTAL		4978145.	4286159.	9262304.	744024.	450285.	334960.	120073.	5813628.	10799573.
FINAL ENGINEERING		199126.	171366.	370492.	29761.	18011.	13398.	471.	232537.	439663.
SUPERVISION		298689.	257050.	555739.	44641.	27017.	20098.	7262.	349806.	647494.
LAND ACQUISITION		0.	5409900.	5409900.	0.	0.	0.	0.	5409900.	5409900.
CONFESSION		0.	2124900.	2124900.	0.	0.	0.	0.	2124900.	2124900.
PHYSICAL CONTINGENCY		746722.	1772844.	2519566.	118604.	118603.	50246.	18000.	2053199.	2799816.
TOTAL PROJECT COST		6222681.	14020216.	20242900.	950030.	613716.	418701.	150047.	15982665.	22205346.

CASE# 13-SEGMENT NO. 1A		UNIT 3000R								
DESCRIPTION	QUANTITY	(1) P.C	(2) L.C	SUBTOTAL (1)+(2)	(3) TAX	(4) PPN	(5) IMPDUT DUTY	(6) SUBSIDY	(7) LOCAL TOTAL (2+3+4+5)	(8) TOTAL (1)+(7)
WDR ITEM 1	0	129332	92027	221359	15399	10654	8691	2877	126781	238134
WDR ITEM 2	0	517337	168178	685515	61595	42616	34803	11568	507125	1024455
SUB TOTAL		646669	460155	1106824	76994	53271	43507	14345	631906	1280584
WDR ITEM 3	0	4754	7687	6221	21	209	0	0	1492	7649
WDR ITEM 4	0	0	539	539	0	0	0	0	539	539
WDR ITEM 5	0	31461	17699	49160	146	2174	4019	204	23938	54499
WDR ITEM 6	0	0	0	0	0	0	0	0	0	0
WDR ITEM 7	0	1092	597	1689	8	76	0	107	681	1775
WDR ITEM 8	0	570	5721	14896	1855	754	394	122	8723	17899
WDR ITEM 9	0	364337	295553	661144	46849	46817	68412	21139	451673	1016264
WDR ITEM 10	0	243950	542805	786755	5585	69565	33034	8724	657759	1644212
WDR ITEM 11	0	0	0	0	0	0	0	0	0	0
WDR ITEM 12	0	43239	14788	41789	130	1885	3400	1903	20003	46984
WDR ITEM 13	0	71077	131777	428097	78327	22789	3980	1493	236873	533193
SUB TOTAL		1925339	1614927	2947286	132965	138386	116574	107331	1602812	3328151
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	1651	3173	4824	806	244	33	8	4256	5707
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	2320	67586	184593	25214	41563	13217	3209	571	242382
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
SUB TOTAL		69007	187766	256773	42349	13461	3241	379	246838	313845
WDR ITEM 26	0	72059	9247	7629	16876	34	762	1693	539	10140
WDR ITEM 27	0	21145	110807	69292	180092	507	8127	3996	6788	81923
WDR ITEM 28	0	45938	427775	340062	787837	68815	38559	20490	36109	494827
WDR ITEM 29	0	1588	200134	137089	332227	30315	16314	13316	9601	192034
WDR ITEM 30	0	1772	8796	12420	21216	2378	1062	870	1171	16736
WDR ITEM 31	0	78724	7636	9289	16926	1181	815	1053	79	12938
WDR ITEM 32	0	9600	931	1162	2093	144	101	202	10	1608
WDR ITEM 33	0	7338	365	390	755	47	36	53	7	936
SUB TOTAL		745688	592333	1358021	103441	65766	51196	53399	812736	1578256
WDR ITEM 34	0	4829898	3382250	8212134	555217	394531	220640	29917	4552624	9382522

CASE# 13-SEGMENT NO. 1A		UNIT 3000R								
DESCRIPTION	QUANTITY	(1) P.C	(2) L.C	SUBTOTAL (1)+(2)	(3) TAX	(4) PPN	(5) IMPDUT DUTY	(6) SUBSIDY	(7) LOCAL TOTAL (2+3+4+5)	(8) TOTAL (1)+(7)
WDR ITEM 35	360	155771	480653	626424	95468	32485	9139	192	547745	763194
WDR ITEM 36	0	0	0	0	0	0	0	0	0	0
SUB TOTAL		155771	480653	626424	95468	32485	9139	192	547745	763194
WDR ITEM 37	0	0	0	0	0	0	0	0	0	0
WDR ITEM 38	0	5102	22871	27973	2211	1328	18	6	2465	3356
WDR ITEM 39	0	64556	1453	7357	3709	149	400	0	7925	9274
WDR ITEM 40	0	1770	23117	7673	51784	1338	1445	6473	19	14881
WDR ITEM 41	0	1300	3137	7630	3490	112	1535	1443	172	13211
WDR ITEM 42	0	14358	11514	23576	35091	5743	1834	431	43	31587
WDR ITEM 43	0	140	73	377	414	101	32	4	519	754
WDR ITEM 44	0	0	23	531	175	30	1	1	0	607
WDR ITEM 45	0	67	9210	9277	1849	500	2	0	1153	11612
WDR ITEM 46	0	6	214	6204	2174	177	1	2	4696	8744
WDR ITEM 47	0	4986	887	2146	2733	381	140	7	2083	3470
WDR ITEM 48	0	290	28572	25403	33214	45882	28320	58618	17	66785
WDR ITEM 49	0	7	52409	12441	44080	248	3033	10770	0	24712
WDR ITEM 50	0	455362	164110	619472	16483	28038	100919	6	319591	749063
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		866462	493198	1301660	97120	65645	181359	578	139322	1705784
SUB-TOTAL		9268827	6565268	15864095	1101574	763545	623596	206178	9045983	18354878
OVERHEAD AND PROFIT		2317207	1668817	3986024	275893	190886	155899	51545	2271496	4388702
TOTAL		15586733	8746085	19850119	1379467	954431	779499	257723	11557479	22443512
FINAL ENGINEERING		463441	329743	793205	55179	18177	3370	1308	65229	917740
SUPPLIES		695162	494645	1149807	82748	57266	46770	1543	68144	1376611
LAND ACQUISITION		0	5170325	5170325	0	0	0	0	5170325	5170325
CONTINGENT		0	2889500	2889500	0	0	0	0	2889500	2889500
PHYSICAL CONTINGENT		1737903	244587	4183492	206920	197569	116924	32487	2966999	4704904
TOTAL PROJECT COST		14482442	19573903	34056447	1724334	1247443	974369	322154	23520351	38002593

CASE# 13-SEGMENT NO. 17

UNIT 1000RP

DESCRIPTION	QTY	(1) F.C	(2) L.C	SUBTOTAL (1)+(2)	(3) TAX	(4) PPN	(5)IMPORT DUTY	(6) SURSTDY	(7)LCCTOTAL (7)+(5)	(8) TOTAL (1)+(7)
WDRP ITEM 1	0.	12998.	15158.	33152.	2542.	1000.	1110.	481.	27412.	38410.
WDRP ITEM 2	0.	71902.	80610.	132608.	10148.	8425.	4441.	1930.	81644.	153641.
SUB TOTAL		89998.	75770.	165768.	12710.	8031.	5551.	2671.	107127.	192052.
WDRP ITEM 3	14106.	838.	497.	1334.	0.	0.	142.	56.	703.	1541.
WDRP ITEM 4	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WDRP ITEM 5	170.	155.	82.	237.	0.	0.	0.	0.	0.	260.
WDRP ITEM 6	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WDRP ITEM 7	0.	151.	82.	233.	0.	0.	0.	0.	0.	265.
WDRP ITEM 8	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WDRP ITEM 9	5094.	74831.	39048.	113499.	4198.	5195.	9443.	2794.	59705.	134334.
WDRP ITEM 10	56158.	149514.	104463.	294257.	1052.	13290.	8458.	12323.	125050.	319028.
WDRP ITEM 11	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WDRP ITEM 12	0.	5837.	1199.	5038.	0.	0.	0.	0.	0.	10166.
WDRP ITEM 13	10950.	83205.	37092.	121207.	21904.	6350.	1118.	419.	64513.	169719.
SUB TOTAL		334230.	184774.	519004.	22293.	25573.	17473.	19031.	257115.	611343.
WDRP ITEM 14	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WDRP ITEM 15	40.	1191.	2748.	3942.	702.	269.	0.	0.	0.	4879.
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.	5438.	17927.	23363.	4007.	1232.	190.	21.	25547.	28783.
WDRP ITEM 22	880.	14369.	41231.	55400.	9269.	2910.	832.	74.	54051.	68429.
WDRP ITEM 23	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WDRP ITEM 24	0.	154.	531.	689.	118.	36.	0.	0.	0.	869.
WDRP ITEM 25	0.	195.	1232.	1427.	274.	88.	14.	0.	1609.	2026.
SUB TOTAL		21451.	83675.	105126.	14370.	4682.	840.	107.	83376.	104926.
WDRP ITEM 26	11988.	1439.	1187.	2625.	8.	119.	26.	0.	1577.	3016.
WDRP ITEM 27	2764.	14483.	9058.	23541.	66.	1062.	322.	887.	17209.	25197.
WDRP ITEM 28	6654.	61981.	52170.	114150.	9921.	5385.	4280.	3245.	131864.	133964.
WDRP ITEM 29	1222.	17993.	11879.	29878.	2726.	1467.	1198.	869.	17271.	35269.
WDRP ITEM 30	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WDRP ITEM 31	10982.	1065.	1296.	2361.	165.	114.	231.	11.	1205.	2870.
WDRP ITEM 32	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WDRP ITEM 33	1917.	299.	320.	619.	36.	30.	52.	6.	467.	739.
SUB TOTAL		97266.	75909.	173175.	12975.	21377.	6520.	2102.	103787.	201052.
WDRP ITEM 34	0.	688216.	839409.	1308225.	104826.	63587.	37474.	1811.	845296.	1514112.

CASE# 13-SEGMENT NO. 17

UNIT 1000RP

DESCRIPTION	QUANTITY	(1) F.C	(2) L.C	SUBTOTAL (1)+(2)	(3) TAX	(4) PPN	(5)IMPORT DUTY	(6) SURSTDY	(7)LCCTOTAL (7)+(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		688216.	839409.	1308225.	104826.	63587.	37474.	1811.	845296.	1514112.
WDRP ITEM 37	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WDRP ITEM 38	488.	692.	3119.	3816.	302.	185.	44.	9.	1409.	4301.
WDRP ITEM 39	12045.	191.	1048.	1241.	24.	57.	0.	0.	1125.	1322.
WDRP ITEM 40	603.	7873.	2614.	10487.	456.	492.	2180.	7.	5751.	13024.
WDRP ITEM 41	1331.	12452.	1041.	13715.	45.	610.	2345.	69.	4112.	16777.
WDRP ITEM 42	1332.	1068.	2187.	3255.	533.	170.	40.	4.	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.	250.	1.	0.	1775.	5806.
WDRP ITEM 46	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WDRP ITEM 47	692.	89.	374.	482.	47.	21.	33.	4.	435.	524.
WDRP ITEM 48	16.	55401.	31530.	66937.	5671.	3207.	7631.	1.	47007.	82904.
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.	66494.	104498.	3008.	5063.	11888.	118.	71452.	129256.
SUB-TOTAL		1249456.	1086031.	2335887.	182182.	115113.	79559.	14579.	162888.	2752762.
OVERHEAD AND PROFIT		322484.	271508.	593972.	45546.	28778.	19890.	8465.	365723.	688186.
TOTAL		1612320.	1357539.	2969859.	227728.	143891.	99449.	43724.	1829007.	5409244.
FINAL ENGINEERING		64493.	54302.	118795.	9109.	5756.	3978.	1729.	7344.	137637.
SUPERVISION		96739.	81452.	178192.	13664.	8635.	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.	438430.	680278.	34159.	32150.	14917.	6484.	519656.	761504.
TOTAL PROJECT COST		2015400.	3497047.	5512648.	284659.	190430.	124312.	54030.	4096449.	6111849.

CASE# 13-SEGMENT NO. 18		UNIT# 1000RP									
DESCRIPTION	QUANTITY	(1) P.C	(2) L.C	SUBTOTAL (1)+(2)	(3) TAX	(4) PPH	(5) IMPORT DUTY	(6) SUBSIDY	(7) TOTAL (2)+(4)+(5)	(8) TOTAL (1)+(7)	
WDRK ITEM 1	0.	41889.	52498.	114387.	8051.	5510.	4453.	2972.	72695.	132383.	
WDRK ITEM 2	0.	247954.	209993.	457947.	32206.	22039.	17764.	11990.	281974.	529932.	
SUB TOTAL		309843.	262491.	571934.	40257.	27549.	22175.	14062.	352473.	661715.	
WDRK ITEM 3	131372.	7744.	4596.	12344.	19.	557.	1315.	469.	450.	14254.	
WDRK ITEM 4	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WDRK ITEM 5	800.	669.	366.	1035.	3.	48.	98.	45.	304.	1199.	
WDRK ITEM 6	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WDRK ITEM 7	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WDRK ITEM 8	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WDRK ITEM 9	261325.	295745.	154819.	450564.	24562.	21381.	18016.	11073.	234599.	532344.	
WDRK ITEM 10	441247.	1488124.	231828.	2312136.	9384.	104423.	30745.	120460.	987359.	2475985.	
WDRK ITEM 11	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WDRK ITEM 12	52278.	32621.	17879.	50501.	157.	2280.	3809.	2310.	24184.	50504.	
WDRK ITEM 13	64692.	277205.	121276.	400481.	73274.	21319.	1724.	1394.	221593.	498794.	
SUB TOTAL		2102336.	1124744.	1227080.	106416.	150007.	95573.	135774.	1474743.	3579073.	
WDRK ITEM 14	1325.	72684.	190090.	262778.	46982.	13939.	1137.	261.	252146.	328837.	
WDRK ITEM 15	250.	7459.	17177.	24635.	4386.	1306.	121.	30.	2299.	30447.	
WDRK ITEM 16	116.	6272.	18716.	19088.	3484.	1056.	161.	33.	1439.	24679.	
WDRK ITEM 17	30.	12852.	49746.	62598.	11264.	3324.	143.	19.	64517.	77389.	
WDRK ITEM 18	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WDRK ITEM 19	30.	21452.	81962.	103414.	18563.	5682.	371.	47.	144323.	128025.	
WDRK ITEM 20	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WDRK ITEM 21	250.	1894.	6260.	8154.	1399.	430.	63.	7.	1152.	10057.	
WDRK ITEM 22	1325.	71737.	765864.	277481.	46277.	14574.	5155.	169.	207851.	343587.	
WDRK ITEM 23	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WDRK ITEM 24	34.	764.	2591.	3354.	573.	176.	21.	2.	3351.	4119.	
WDRK ITEM 25	34.	1914.	4010.	5924.	1130.	617.	60.	74.	2816.	2231.	
SUB TOTAL		197240.	573385.	770626.	134239.	40719.	5252.	770.	753596.	950637.	
WDRK ITEM 26	5115.	9074.	8228.	18202.	58.	822.	1829.	582.	10937.	20991.	
WDRK ITEM 27	2074.	105184.	65782.	170970.	482.	7715.	194.	6444.	2774.	18291.	
WDRK ITEM 28	42663.	638133.	123583.	171720.	21399.	19987.	10304.	3253.	51581.	33321.	
WDRK ITEM 29	9040.	133739.	88267.	222006.	20257.	10902.	8698.	6554.	124324.	267064.	
WDRK ITEM 30	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WDRK ITEM 31	78128.	7578.	9219.	16798.	1172.	809.	1641.	78.	12640.	20419.	
WDRK ITEM 32	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WDRK ITEM 33	9575.	1494.	1599.	3093.	192.	148.	259.	20.	2197.	3691.	
SUB TOTAL		701811.	546678.	1248489.	93560.	60392.	46924.	51147.	747555.	1449366.	
WDRK ITEM 34	0.	753307.	1007891.	1763198.	158463.	86475.	67920.	9791.	1329749.	2076056.	

CASE# 13-SEGMENT NO. 18		UNIT# 1000RP									
DESCRIPTION	QUANTITY	(1) P.C	(2) L.C	SUBTOTAL (1)+(2)	(3) TAX	(4) PPH	(5) IMPORT DUTY	(6) SUBSIDY	(7) TOTAL (2)+(4)+(5)	(8) TOTAL (1)+(7)	
WDRK ITEM 35	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WDRK ITEM 36	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
SUB TOTAL		753307.	1007891.	1763198.	158463.	86475.	67920.	9791.	1329749.	2076056.	
WDRK ITEM 37	245.	2354.	2512.	4867.	651.	247.	216.	34.	1629.	5965.	
WDRK ITEM 38	1118.	13927.	7166.	8753.	691.	625.	0.	20.	9067.	2384.	
WDRK ITEM 39	53823.	861.	4683.	5544.	108.	256.	0.	108.	3065.	5906.	
WDRK ITEM 40	9378.	122449.	40654.	163102.	7090.	7459.	34035.	103.	87435.	211881.	
WDRK ITEM 41	8649.	63205.	5299.	68505.	226.	3093.	11935.	346.	23973.	83774.	
WDRK ITEM 42	13298.	10863.	21835.	32500.	5319.	1702.	399.	40.	29255.	39920.	
WDRK ITEM 43	240.	358.	560.	924.	151.	48.	14.	1.	779.	1137.	
WDRK ITEM 44	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WDRK ITEM 45	12.	92.	1384.	13907.	2759.	750.	2.	0.	17326.	17418.	
WDRK ITEM 46	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WDRK ITEM 47	3740.	479.	1750.	2229.	310.	114.	170.	22.	224331.	2830.	
WDRK ITEM 48	170.	167179.	148922.	316091.	26779.	15429.	33201.	7.	224331.	391500.	
WDRK ITEM 49	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WDRK ITEM 50	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WDRK ITEM 51	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WDRK ITEM 52	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
SUB TOTAL		369709.	247181.	616891.	46085.	29721.	80003.	682.	400991.	770200.	
SUB-TOTAL		4433347.	3762372.	8197718.	577024.	394863.	317846.	273024.	5052106.	9487453.	
OVERHEAD AND PROFIT		1108837.	940593.	2049430.	144256.	98716.	79462.	53256.	1263027.	2371865.	
TOTAL		5542183.	4702964.	10247148.	721280.	493579.	397310.	266282.	6315133.	11859316.	
FINAL ENGINEERING		221767.	188119.	409886.	28851.	19743.	15892.	10651.	252005.	474473.	
SUPERVISION		332651.	282178.	614829.	43277.	29615.	23819.	15977.	378908.	711359.	
LAND ACQUISITION		0.	5558050.	5558050.	0.	0.	0.	0.	5558050.	5558050.	
COMPENSATION		0.	2280500.	2280500.	0.	0.	0.	0.	2280500.	2280500.	
PHYSICAL CONTINGENCY		851627.	1881227.	2712855.	108192.	126947.	39596.	39942.	2175963.	3007590.	
TOTAL PROJECT COST		6930229.	14893038.	21823268.	901599.	669884.	496637.	332853.	16061159.	23891388.	

PROJECT COST LIST

CASE: 33-SEGMENT NO. 19 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)+(4)+(5)	(8) TOTAL (1)+(7)
WORK ITEM 1	0.	71107.	53819.	126926.	9161.	6124.				
WORK ITEM 2	0.	292429.	215275.	507704.	34643.	24498.	4731.	2127.	73833.	146942.
SUB TOTAL		365534.	269094.	634628.	45807.	30620.	23655.	14004.	369175.	714712.
WORK ITEM 3	6570.	355.	211.	566.	2.	26.	60.	23.	299.	653.
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	2.	76357.	54411.	129768.	15266.	6526.	0.	0.	75223.	155551.
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	766314.	391215.	204795.	596011.	32490.	28283.	47404.	14447.	512972.	704187.
WORK ITEM 10	692156.	1474900.	242187.	2685087.	9436.	112454.	37173.	153727.	1137455.	2789364.
WORK ITEM 11	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WORK ITEM 12	7132.	4457.	2439.	8904.	21.	0.	0.	0.	0.	0.
WORK ITEM 13	144990.	521083.	231711.	752815.	137719.	40075.	6999.	2425.	414545.	417424.
SUB TOTAL		2670735.	1420794.	4091529.	194906.	192074.	112154.	143332.	1927977.	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	140.	101042.	362488.	463530.	46535.	25033.	1733.	100.	596409.	397451.
WORK ITEM 20	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WORK ITEM 21	342.	2594.	8563.	11509.	1914.	528.	40.	10.	11152.	13744.
WORK ITEM 22	4342.	98425.	267424.	380849.	63494.	19993.	4329.	504.	171443.	488864.
WORK ITEM 23	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WORK ITEM 24	46.	1039.	3492.	4531.	775.	239.	28.	3.	4534.	5574.
WORK ITEM 25	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SUB TOTAL		203103.	676967.	880070.	152718.	46475.	6177.	77.	882337.	1085467.
WORK ITEM 26	35623.	4275.	3527.	7801.	25.	332.	784.	249.	4684.	8962.
WORK ITEM 27	7600.	45964.	29192.	75260.	206.	3305.	1625.	2701.	33319.	78181.
WORK ITEM 28	22482.	208458.	326269.	534727.	33489.	38872.	14394.	17721.	243222.	452940.
WORK ITEM 29	1979.	58607.	3860.	9237.	8877.	4777.	3099.	2829.	54234.	114847.
WORK ITEM 30	992.	6924.	6953.	11877.	1331.	594.	483.	0.	9366.	14200.
WORK ITEM 31	37905.	3477.	4473.	8150.	549.	392.	796.	0.	4230.	9904.
WORK ITEM 32	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WORK ITEM 33	2067.	322.	345.	667.	41.	32.	56.	6.	474.	797.
SUB TOTAL		326787.	258428.	585215.	44738.	28323.	22040.	23670.	335532.	699819.
WORK ITEM 34	0.	1094930.	922217.	2017147.	159715.	97959.	48203.	8482.	1724904.	2332024.

PROJECT COST LIST

CASE: 33-SEGMENT NO. 19 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)+(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.	8482.	1724904.	2332024.
WORK ITEM 37	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WORK ITEM 38	4528.	6404.	29963.	36367.	2798.	1719.	23.	62.	33582.	39949.
WORK ITEM 39	14474.	170.	9258.	10928.	213.	503.	0.	713.	3974.	11674.
WORK ITEM 40	4044.	9092.	37149.	121141.	5245.	5887.	25472.	77.	66412.	157347.
WORK ITEM 41	2270.	21104.	1769.	22873.	75.	1033.	3942.	115.	4860.	22977.
WORK ITEM 42	6124.	7117.	14942.	22799.	3650.	1168.	274.	27.	27173.	23397.
WORK ITEM 43	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WORK ITEM 44	7.	22.	482.	501.	0.	26.	1.	1.	588.	997.
WORK ITEM 45	5.	34.	5750.	5784.	1150.	312.	11.	0.	7219.	7254.
WORK ITEM 46	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WORK ITEM 47	1547.	55.	1040.	2114.	294.	104.	157.	21.	2229.	2884.
WORK ITEM 48	178.	125407.	117179.	217900.	27143.	11617.	24978.	5.	169900.	294777.
WORK ITEM 49	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WORK ITEM 50	3.	32524.	14305.	46829.	24910.	24454.	72255.	4.	241822.	347081.
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		579165.	369515.	948680.	59698.	42628.	126812.	487.	537577.	1116739.
SUB-TOTAL		5239754.	3457010.	8696764.	654580.	438882.	339051.	200767.	5791510.	10330665.
OVERHEAD & PROFIT		1309837.	964254.	2274091.	164140.	109720.	84785.	50707.	1322877.	2632716.
TOTAL		4549194.	4421271.	11570465.	820700.	548602.	423814.	250964.	6614187.	13163582.
FINAL INVESTMENT		261904.	197851.	459755.	32878.	21944.	16953.	10059.	264575.	526533.
LAND ACQUISITION		0.	457500.	457500.	0.	0.	0.	0.	457500.	457500.
COMPENSATION		0.	457500.	457500.	0.	0.	0.	0.	457500.	457500.
PHYSICAL CONTINGENT		982379.	800441.	1782820.	123105.	88607.	63572.	37448.	1135386.	2117964.
TOTAL PROJECT COST		4186491.	7878838.	15265331.	1025875.	691929.	529768.	313729.	9326410.	17512903.

CASE# 13-SEGMENT NO. 20		UNIT 1000P									
DESCRIPTION	QUANTITY	(1) F.C	(2) L.C	SUBTOTAL (1)+(2)	(3) TAX	(4) PPM	(5) IMPORT DUTY	(6) SUBSIDY	(7)LC TOTAL (2+3+4+5)	(8) TOTAL (1)+(7)	
WDR ITE 1	0.	22117.	20251.	42368.	4006.	2096.	1375.	1017.	27729.	30059.	
WDR ITE 2	0.	89327.	81005.	170332.	16023.	8386.	5502.	4069.	110915.	200237.	
S R TOTAL		111457.	101256.	212713.	20029.	10482.	6877.	5086.	138644.	250296.	
WDR ITE 3	59671.	3571.	7038.	5609.	18.	253.	397.	227.	2956.	6477.	
WDR ITE 4	5350.	4409.	2445.	7051.	21.	318.	389.	300.	3375.	7979.	
WDR ITE 5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WDR ITE 6	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WDR ITE 7	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WDR ITE 8	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WDR ITE 9	110700.	19211.	85128.	247747.	13505.	11756.	10705.	6089.	137095.	292713.	
WDR ITE 10	151470.	51020.	282796.	293703.	2478.	35846.	17419.	41351.	323919.	849644.	
WDR ITE 11	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WDR ITE 12	19091.	32287.	4734.	19022.	59.	859.	1457.	864.	9109.	21396.	
WDR ITE 13	61200.	25574.	113465.	348605.	67442.	19822.	3427.	1283.	203957.	459099.	
S R TOTAL		949083.	492655.	1441739.	81924.	68653.	43193.	50118.	689427.	1637511.	
WDR ITE 14	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WDR ITE 15	115.	3631.	7972.	11332.	2018.	401.	55.	14.	11575.	14006.	
WDR ITE 16	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WDR ITE 17	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WDR ITE 18	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WDR ITE 19	150.	10257.	407829.	518046.	92710.	27405.	1857.	201.	531867.	640124.	
WDR ITE 20	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WDR ITE 21	1645.	3248.	41188.	53676.	9207.	2830.	415.	44.	53039.	66124.	
WDR ITE 22	1590.	33019.	94719.	127729.	21295.	8706.	1452.	170.	126172.	157182.	
WDR ITE 23	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WDR ITE 24	16.	161.	1215.	1576.	270.	85.	10.	1.	1578.	1938.	
WDR ITE 25	10.	902.	2828.	3730.	626.	190.	28.	3.	3678.	4580.	
S R TOTAL		158452.	557640.	716111.	126130.	37901.	3817.	437.	725508.	883940.	
WDR ITE 26	27346.	3305.	2720.	4031.	19.	272.	800.	193.	3624.	6929.	
WDR ITE 27	4350.	33776.	20879.	54083.	152.	2441.	1200.	2038.	24602.	57876.	
WDR ITE 28	15290.	162387.	119843.	262224.	22906.	12831.	9780.	12049.	163346.	307744.	
WDR ITE 29	2886.	41309.	27258.	68559.	6256.	3367.	2748.	1994.	39628.	80928.	
WDR ITE 30	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WDR ITE 31	25245.	2449.	2977.	5428.	379.	261.	530.	25.	4149.	6598.	
WDR ITE 32	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WDR ITE 33	4400.	487.	736.	1623.	88.	68.	119.	13.	1011.	1698.	
S R TOTAL		223194.	374331.	397746.	29799.	19240.	14080.	16312.	238378.	461773.	
WDR ITE 34	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	

CASE# 13-SEGMENT NO. 20		UNIT 1000P									
DESCRIPTION	QUANTITY	(1) F.C	(2) L.C	SUBTOTAL (1)+(2)	(3) TAX	(4) PPM	(5) IMPORT DUTY	(6) SUBSIDY	(7)LC TOTAL (2+3+4+5)	(8) TOTAL (1)+(7)	
WDR ITE 35	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WDR ITE 36	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
S R TOTAL		0.	0.	0.	0.	0.	0.	0.	0.	0.	
WDR ITE 37	4992.	5632.	6078.	116951.	19714.	5970.	5262.	816.	27573.	143897.	
WDR ITE 38	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WDR ITE 39	34296.	517.	2718.	3717.	62.	144.	0.	0.	3928.	34277.	
WDR ITE 40	4591.	59037.	19878.	79829.	3470.	3744.	16657.	50.	43773.	103705.	
WDR ITE 41	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WDR ITE 42	3161.	2654.	5025.	7470.	1224.	392.	92.	9.	4732.	9186.	
WDR ITE 43	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WDR ITE 44	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WDR ITE 45	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WDR ITE 46	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WDR ITE 47	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WDR ITE 48	1454.	184.	640.	867.	121.	44.	80.	9.	914.	1100.	
WDR ITE 49	79.	38351.	34164.	72515.	6143.	3540.	7617.	2.	51464.	89815.	
WDR ITE 50	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WDR ITE 51	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
WDR ITE 52	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
S R TOTAL		157761.	125414.	293176.	27195.	13967.	29696.	948.	194272.	354033.	
P R TOTAL		160034.	1451330.	3,51680.	287076.	150244.	98372.	72901.	1987229.	3587572.	
OVERHEAD AND PROFIT		40000.	367834.	742920.	71769.	37561.	24643.	18225.	496807.	896893.	
TOTAL		7000437.	1714170.	3914400.	558645.	187805.	123215.	91126.	2484036.	4484466.	
FITAL FUNDING		80417.	72547.	152986.	14356.	7512.	4929.	3643.	99381.	179379.	
SPECIAL FUNDING		120924.	140850.	228476.	21531.	11268.	7393.	5468.	149042.	249068.	
LATE ACQUISITION		0.	1500000.	1500000.	0.	0.	0.	0.	1500000.	1500000.	
TEMPERATURE		0.	600000.	600000.	0.	0.	0.	0.	600000.	600000.	
PHYSICAL COSTS		300064.	587126.	887190.	53827.	42346.	18482.	13669.	701780.	1001843.	
TOTAL PROJECT COSTS		2500537.	4682713.	7183250.	448557.	248931.	154019.	113908.	5534220.	8034757.	

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>
	TOYOTA CORONA	MERCEDES BENZ	MERCEDES BENZ
<u>Representative Vehicle</u>	1200	0306	L 911/42
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	Diezel	Diezel
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.

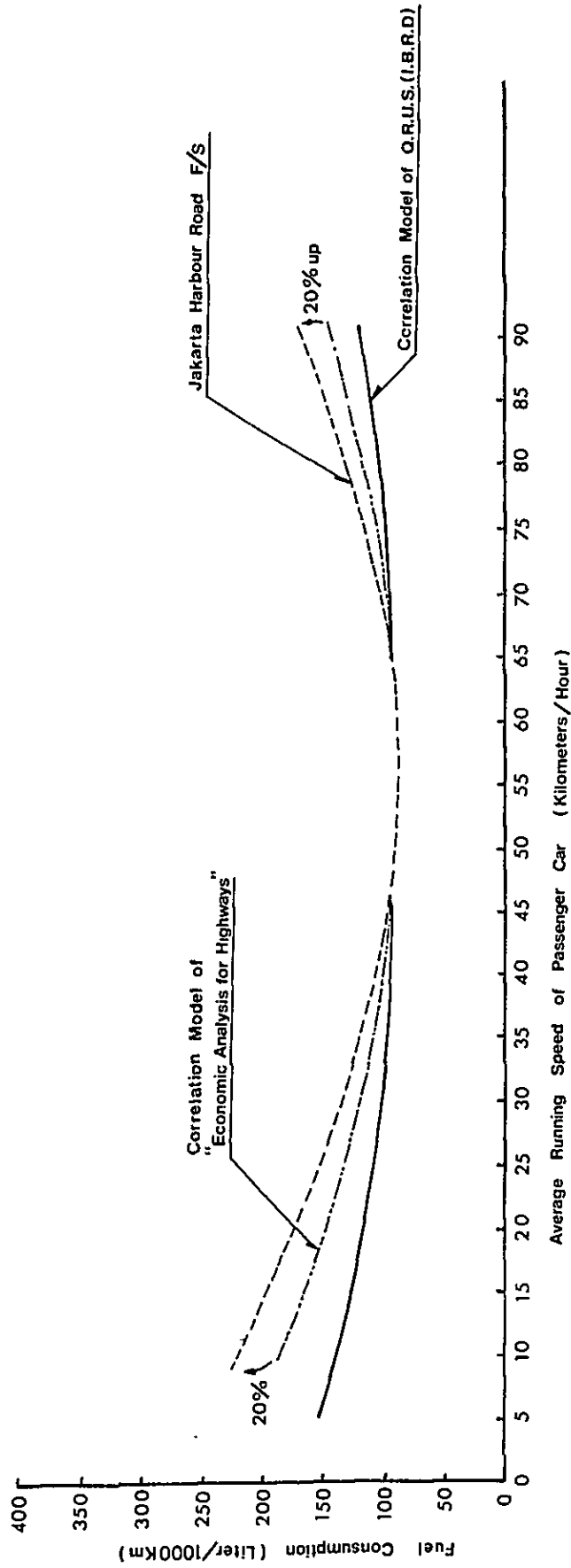
- Material costs and assembly costs : $2.52A \div 0.7 = 3.60A$
- Assembly costs : $3.60A - 2.52A = 1.08A$

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 :

$$(1) \quad a = 250 + 3/4 (S-50) \frac{25}{50} = 0.375 S + 6.25$$

where 'a' stands for annual Kilometerage (in 1,000 Km) and 'S' for the specific speed of the Vehicle (Km/hr).

$$(2) \quad t = \frac{25 \times (1/3 \times 10)}{a} + 2/3 \times 10 = \frac{83.33}{0.5S} + 6.67 \quad a = S \frac{25}{50} = 0.5S$$

where 't' stands for Service life in Years.

$$(3) \quad at = (0.375 S + 6.25) \left(\frac{83.33}{0.5 S} + 6.67 \right)$$

$$= 0.375 S \left(\frac{83.33}{0.5 S} + 6.67 \right) + 6.25 \left(\frac{83.33}{0.5 \times 50} + 6.67 \right)$$

$$= 2.5 S + 125.0$$

where 'at' stands for life time Kilometerage (in 1,000 Km)

$$(4) \quad d = \frac{1}{at} = \frac{1}{2.5 S + 125.0}$$

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:

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

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

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

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

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:

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

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

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

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

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: ($\frac{\text{Operating Cost}}{\text{Direct Cost}}$)	$\frac{dF}{dS} \times$ Coefficient	Normal Distribution	Time Value $\frac{3 \times S^2 \times 4}{1000}$ (Rp./Hr.)
30	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 ACQ.	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)	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	11253.6	37512.0	0.	0.	0.	32741.0
5 1985	0.	0.	0.	3851.4	0.	3851.4	25483.6
6 1986	28813.3	15514.5	44347.8	8627.4	0.	8627.4	38289.6
7 1987	31757.0	19054.2	51945.0	15120.4	1564.4	16684.8	18820.2
8 1988	0.	0.	4770.8	27001.8	5731.8	32733.6	21822.4
9 1989	0.	0.	6415.0	20186.4	7902.6	28089.0	18726.0
10 1990	0.	0.	7750.4	20008.8	10004.4	30013.2	20008.8
TOTAL	90421.7	45822.3	20070.0	156314.0	25203.2	119999.4	181958.6

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

(Unit: 10⁶Rp)

YEAR	REPAYMENT OF THE PRINCIPAL			REPAYMENT OF THE INTEREST			TOTAL		
	INTE'L FINANCE	BOND(A)	TOTAL	INTE'L FINANCE	BOND(A)	TOTAL			
	(A)	(B)	(A) (B)	(A) (B)	(A) (B)	(A) (B)			
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.	1955.8	2222.8	4178.6	4178.6		
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	6340.3		
12 1992	178.6	750.2	928.9	2476.8	2880.9	5357.7	6276.1		
13 1993	178.6	1784.5	1963.2	2471.9	2764.9	5236.8	7200.0		
14 1994	1491.6	3054.8	4546.4	2430.8	2566.4	5007.2	9553.6		
15 1995	1491.6	3054.8	4546.4	2399.8	2367.8	4767.6	9314.0		
16 1996	2335.2	3054.8	5390.0	2309.2	2149.2	4458.4	9848.4		
17 1997	4521.1	3054.8	7575.9	2184.8	1970.7	4155.5	11731.4		
18 1998	4521.1	3054.8	7575.9	2060.3	1772.1	3832.4	11408.3		
19 1999	4521.1	3054.8	7575.9	1936.2	1573.5	3509.7	11058.0		
20 2000	4521.1	3054.8	7575.9	1811.8	1375.0	3186.8	10671.2		
21 2001	4521.1	3054.8	7575.9	1687.5	1176.4	2863.9	10287.3		
22 2002	4521.1	3054.8	7575.9	1563.2	977.9	2541.1	9948.4		
23 2003	4521.1	3054.8	7575.9	1438.8	779.3	2218.1	9629.5		
24 2004	4521.1	3054.8	7575.9	1314.5	580.7	1895.2	9314.0		
25 2005	4521.1	3054.8	7575.9	1190.2	382.2	1572.4	9001.6		
26 2006	4521.1	2304.6	6825.7	1065.9	232.4	1298.3	8703.3		
27 2007	4521.1	2304.6	6825.7	941.5	82.6	1024.1	8409.4		
28 2008	4521.1	0.	4521.1	817.2	0.	817.2	8172.2		
29 2009	4521.1	0.	4521.1	692.9	0.	692.9	7565.1		
30 2010	4521.1	0.	4521.1	568.5	0.	568.5	8133.6		
31 2011	4342.4	0.	4342.4	449.1	0.	449.1	8582.7		
32 2012	4342.4	0.	4342.4	329.7	0.	329.7	8912.4		
33 2013	4342.4	0.	4342.4	210.3	0.	210.3	9122.7		
34 2014	3029.5	0.	3029.5	127.0	0.	127.0	9249.7		
35 2015	3029.5	0.	3029.5	63.7	0.	63.7	9313.4		
36 2016	1587.9	0.	1587.9	0.	0.	0.	9471.3		
TOTAL	90421.7	45822.3	20070.0	156314.0	42309.3	34389.0	42460.7	119249.0	275563.0

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

(Unit: 10⁶Rp)

YEAR	REPAYMENT OF THE PRINCIPAL			REPAYMENT OF THE INTEREST			TOTAL
	BOND(A)	BOND(B)	TOTAL	BOND(A)	BOND(B)	TOTAL	
	(A)	(B)	(A) (B)	(A) (B)	(A) (B)	(A) (B)	
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	136.4	4414.3	4414.3
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	17180.0	17365.1
13 1993	628.5	0.	628.5	14664.7	2509.9	17077.2	17705.9
14 1994	1452.6	104.3	1556.9	14567.3	2509.9	16803.4	18360.3
15 1995	2975.5	486.4	3462.0	14342.2	2461.2	16803.4	21465.4
16 1996	4407.0	1013.3	5420.2	13880.9	2359.9	16240.9	27661.1
17 1997	6831.7	1480.2	8311.9	13197.9	2191.9	15389.8	33001.7
18 1998	9789.8	1680.2	11470.0	12259.8	2023.9	14283.7	37283.7
19 1999	8073.2	1680.2	9753.4	11376.4	1855.9	13032.3	32285.7
20 2000	9321.5	1680.2	11001.7	9925.1	1687.8	11612.9	22614.6
21 2001	10769.8	1680.2	12450.0	8474.8	1519.8	9994.6	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	5003.4	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	1547.4	847.7	2415.2	10690.1
26 2006	3517.8	1680.2	5198.0	679.7	343.7	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	2033.9
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	355857.6

APP.12.13 REPAYMENT PROGRAM FOR HARBOUR ROAD, CASE 02

(Unit: 10 ⁶ Rp)										
YEAR	(1) LOAN REPAYMENT	(2) REVENUE	(3) EXPENDITURE				(2)-(3)	(4) TEMPORARY LOAN		
			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	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	889.8	0.	0.	0.	0.	0.	-1127.1	-152.2	-1279.3
6	1986	2643.4	0.	0.	0.	0.	0.	-3922.7	-529.6	-4452.2
7	1987	6060.1	0.	0.	0.	0.	0.	-10512.3	-1419.2	-11931.5
8	1988	13034.4	0.	0.	0.	0.	0.	-24965.9	-3370.4	-28336.3
9	1989	19198.0	0.	0.	0.	0.	0.	-47534.3	-6417.1	-53951.4
10	1990	25789.6	0.	0.	0.	0.	0.	-79741.0	-10765.0	-90506.0
11	1991	26664.8	24135.0	3684.0	3645.0	7349.0	16786.0	-100384.9	-13552.0	-113936.8
12	1992	26796.3	27503.0	4126.0	4104.0	8230.0	19273.0	-121460.1	-16397.1	-137857.2
13	1993	28124.3	30873.0	4621.0	4597.0	9218.0	21655.0	-144326.6	-19484.1	-163810.6
14	1994	31343.0	34240.0	5175.0	5148.0	10323.0	23917.0	-171236.7	-23117.0	-194353.6
15	1995	32964.0	60172.0	5797.0	5766.0	4693.5	43915.5	-183402.1	-24759.3	-208161.4
16	1996	35830.5	65560.0	6492.0	6458.0	5033.8	47576.2	-196415.8	-26516.1	-222931.9
17	1997	38928.6	70948.0	7271.0	7233.0	5254.4	51189.4	-210671.1	-28440.6	-239111.7
18	1998	38437.7	76340.0	8144.0	8101.0	6497.2	53597.8	-223951.6	-30233.5	-254185.1
19	1999	37946.8	81728.0	39257.0	9073.0	0.	48330.0	-258733.8	-34929.1	-293662.9
20	2000	37455.9	141564.0	88447.0	10162.0	1449.7	100258.7	-289813.5	-39124.8	-328938.3
21	2001	36964.9	145165.0	11441.0	11382.0	25613.1	48436.1	-249174.4	-34338.5	-303512.9
22	2002	35691.9	148759.0	12814.0	12747.0	26231.8	51812.8	-244258.7	-37974.9	-272233.6
23	2003	33449.1	152360.0	14352.0	14277.0	27084.6	55713.6	-214036.3	-28894.9	-242931.2
24	2004	29637.6	155955.0	16074.0	15990.0	28270.0	60334.0	-176967.0	-23890.7	-200858.5
25	2005	22714.8	263880.0	18003.0	17909.0	91576.0	97488.0	-176967.0	-7719.5	-64900.7
26	2006	16120.7	269825.0	20163.0	20058.0	60405.0	104266.0	165559.0	84537.6	84537.6
27	2007	10041.7	275781.0	22465.0	22465.0	66207.4	111255.4	164525.6	239021.5	239021.5
28	2008	8632.4	281725.0	25293.0	25161.0	66791.6	117245.6	164479.4	394868.5	394868.5
29	2009	6976.0	282681.0	28328.0	28180.0	67259.1	123767.1	163913.9	551806.5	551806.5
30	2010	6350.1	477995.0	31728.0	31562.0	122506.5	185796.5	292198.5	837654.9	837654.9
31	2011	5458.5	487690.0	35535.0	35349.0	123404.2	194288.2	293401.8	1125598.1	1125598.1
32	2012	4672.1	497368.0	39799.0	39591.0	123991.8	203381.8	293946.2	1414912.2	1414912.2
33	2013	4552.7	507063.0	44575.0	44342.0	124078.0	212995.0	294068.0	1704427.5	1704427.5
34	2014	3156.5	516140.0	49924.0	49663.0	124019.0	223606.0	292534.0	1993805.0	1993805.0
35	2015	3073.2	842206.0	55935.0	55623.0	218305.4	329863.4	512452.6	2503184.4	2503184.4
36	2016	1587.9	857780.0	62625.0	62298.0	219380.7	344303.7	513476.3	3015972.8	3015972.8
37	2017	0.	873292.0	70140.0	69773.0	220013.7	359926.7	513365.3	3528438.1	3528438.1
38	2018	0.	888776.0	78557.0	78146.0	219621.9	376324.9	517451.1	4040889.2	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: 10 ⁶ Rp)										
YEAR	(1) LOAN REPAYMENT	(2) REVENUE	(3) EXPENDITURE				(2)-(3)	(4) TEMPORARY LOAN		
			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	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	889.8	0.	0.	0.	0.	0.	-1127.1	-152.2	-1279.3
6	1986	2643.4	0.	0.	0.	0.	0.	-3922.7	-529.6	-4452.2
7	1987	6060.1	0.	0.	0.	0.	0.	-10512.3	-1419.2	-11931.5
8	1988	13034.4	0.	0.	0.	0.	0.	-24965.9	-3370.4	-28336.3
9	1989	19198.0	0.	0.	0.	0.	0.	-47534.3	-6417.1	-53951.4
10	1990	25789.6	0.	0.	0.	0.	0.	-79741.0	-10765.0	-90506.0
11	1991	26664.8	24135.0	3684.0	3645.0	7349.0	16786.0	-100384.9	-13552.0	-113936.8
12	1992	26796.3	27503.0	4126.0	4104.0	8230.0	19273.0	-121460.1	-16397.1	-137857.2
13	1993	28124.3	30873.0	4621.0	4597.0	9218.0	21655.0	-144326.6	-19484.1	-163810.6
14	1994	31343.0	34240.0	5175.0	5148.0	10323.0	23917.0	-171236.7	-23117.0	-194353.6
15	1995	32964.0	60172.0	5797.0	5766.0	4693.5	43915.5	-183402.1	-24759.3	-208161.4
16	1996	35830.5	65560.0	6492.0	6458.0	5033.8	47576.2	-196415.8	-26516.1	-222931.9
17	1997	38928.6	70948.0	7271.0	7233.0	5254.4	51189.4	-210671.1	-28440.6	-239111.7
18	1998	38437.7	76340.0	8144.0	8101.0	6497.2	53597.8	-223951.6	-30233.5	-254185.1
19	1999	37946.8	81728.0	39257.0	9073.0	0.	48330.0	-258733.8	-34929.1	-293662.9
20	2000	37455.9	141564.0	88447.0	10162.0	1449.7	100258.7	-289813.5	-39124.8	-328938.3
21	2001	36964.9	145165.0	11441.0	11382.0	25613.1	48436.1	-249174.4	-34338.5	-303512.9
22	2002	35691.9	148759.0	12814.0	12747.0	26231.8	51812.8	-244258.7	-37974.9	-272233.6
23	2003	33449.1	152360.0	14352.0	14277.0	27084.6	55713.6	-214036.3	-28894.9	-242931.2
24	2004	29637.6	155955.0	16074.0	15990.0	28270.0	60334.0	-176967.0	-23890.7	-200858.5
25	2005	22714.8	263880.0	18003.0	17909.0	91576.0	97488.0	163920.0	57181.2	221101.2
26	2006	16120.7	269825.0	20163.0	20058.0	60405.0	104266.0	165559.0	84537.6	84537.6
27	2007	10041.7	275781.0	22465.0	22465.0	66207.4	111255.4	164525.6	239021.5	239021.5
28	2008	8632.4	281725.0	25293.0	25161.0	66791.6	117245.6	164479.4	394868.5	394868.5
29	2009	6976.0	282681.0	28328.0	28180.0	67259.1	123767.1	163913.9	551806.5	551806.5
30	2010	6350.1	477995.0	31728.0	31562.0	122506.5	185796.5	292198.5	837654.9	837654.9
31	2011	5458.5	487690.0	35535.0	35349.0	123404.2	194288.2	293401.8	1125598.1	1125598.1
32	2012	4672.1	497368.0	39799.0	39591.0	123991.8	203381.8	293946.2	1414912.2	1414912.2
33	2013	4552.7	507063.0	44575.0	44342.0	124078.0	212995.0	294068.0	1704427.5	1704427.5
34	2014	3156.5	516140.0	49924.0	49663.0	124019.0	223606.0	292534.0	1993805.0	1993805.0
35	2015	3073.2	842206.0	55935.0	55623.0	218305.4	329863.4	512452.6	2503184.4	2503184.4
36	2016	1587.9	857780.0	62625.0	62298.0	219380.7	344303.7	513476.3	3015972.8	3015972.8
37	2017	0.	873292.0	70140.0	69773.0	220013.7	359926.7	513365.3	3528438.1	3528438.1
38	2018	0.	888776.0	78557.0	78146.0	219621.9	376324.9	517451.1	4040889.2	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

(Unit 10 ⁶ Rp)										
YEAR	(1) LOAN	(2)		(3) EXPENDITURE			(2)-(3)	(4) TEMPORARY LOAN		
	REPAYMENT	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.	0.	0.	0.
3	1983	75.1	0.	0.	0.	0.	0.	-19.9	-2.7	-22.6
4	1984	92.3	0.	0.	0.	0.	0.	-97.7	+13.2	-110.9
5	1985	889.8	0.	0.	0.	0.	0.	-209.1	-28.2	-237.3
6	1986	2643.4	0.	0.	0.	0.	0.	-1127.1	-152.2	-1279.3
7	1987	6060.1	0.	0.	0.	0.	0.	-3922.7	-529.0	-4451.7
8	1988	13034.4	0.	0.	0.	0.	0.	-10512.3	-1419.2	-11931.5
9	1989	10198.0	0.	0.	0.	0.	0.	-24965.9	-3370.4	-28336.3
10	1990	25789.6	0.	0.	0.	0.	0.	-47534.3	-8417.1	-55951.4
11	1991	26664.8	24135.0	3684.0	3685.0	0.	7349.0	-79741.0	-10765.0	-90506.0
12	1992	24796.3	27503.0	4126.0	4104.0	0.	8210.0	-100384.2	-13552.0	-113936.2
13	1993	21824.3	30673.0	4621.0	4597.0	0.	9218.0	19273.0	-121440.1	-16397.1
14	1994	51343.0	34240.0	5175.0	5148.0	0.	10323.0	21655.0	-146376.0	-19684.1
15	1995	32964.0	60172.0	5797.0	5766.0	4693.5	16256.5	23917.0	-171236.7	-23117.0
16	1996	38320.5	65560.0	6492.0	6458.0	5033.8	17983.8	43915.5	-183402.1	-24759.3
17	1997	38928.0	70948.0	7271.0	7233.0	5254.6	19758.6	47576.2	-196415.8	-26516.1
18	1998	38437.7	76340.0	8144.0	8101.0	6497.2	22742.2	51189.6	-210671.1	-28640.0
19	1999	37946.8	81728.0	9121.0	9073.0	7676.2	25870.2	55972.8	-223951.6	-30233.5
20	2000	37455.9	141566.0	10215.0	10162.0	25119.3	45496.3	55972.8	-236274.0	-31897.0
21	2001	36966.9	145165.0	11441.0	11382.0	25613.1	48436.1	94067.7	-20959.2	-28290.5
22	2002	35691.9	14759.0	12814.0	12747.0	26251.8	51812.8	94728.9	-178085.7	-24041.6
23	2003	33449.1	152560.0	14352.0	14277.0	27084.6	55713.6	94728.9	-140873.1	-19017.9
24	2004	29657.6	155955.0	16074.0	15990.0	28271.0	60334.0	94946.2	-140873.1	-19017.9
25	2005	22714.8	263880.0	18003.0	17909.0	61576.0	97488.0	95621.0	-43783.9	-5910.8
26	2006	16120.7	269825.0	20163.0	20058.0	64665.0	104266.0	95621.0	16559.0	243420.8
27	2007	10041.7	275781.0	22583.0	22465.0	66207.4	112255.4	164525.6	39790.8	0.
28	2008	8632.4	281725.0	25293.0	25161.0	66791.0	117245.6	164479.4	553751.8	0.
29	2009	6976.0	287681.0	28328.0	28180.0	67259.1	123747.1	163913.9	710689.7	0.
30	2010	6350.1	477995.0	31728.0	31562.0	122508.5	297198.5	297198.5	996581.1	0.
31	2011	4558.5	487690.0	35335.0	35349.0	123404.2	194288.2	293401.8	1284481.5	0.
32	2012	4672.1	497368.0	39799.0	39591.0	123991.8	203381.8	293986.2	1573795.4	0.
33	2013	4552.7	507063.0	44575.0	44342.0	124078.0	212995.0	294088.0	1863310.7	0.
34	2014	3156.5	516140.0	49924.0	49663.0	124019.0	223606.0	292534.0	2152688.3	0.
35	2015	3073.2	842296.0	55915.0	55623.0	218305.4	329843.4	512452.6	2662067.7	0.
36	2016	1587.9	857780.0	62625.0	62298.0	219380.7	344303.7	513476.3	3173956.1	0.
37	2017	0.	873292.0	70140.0	69773.0	220013.7	359926.7	513365.3	3687371.4	0.
38	2018	0.	888776.0	78557.0	78146.0	219621.9	376324.9	512451.1	4199772.5	0.
TOTAL		631400.6	8592594.0	702495.0	698823.0	1982694.4	3384012.5			

APP 12.16 REPAYMENT PROGRAM FOR HARBOUR ROAD, CASE 08

YEAR	(1) LOAN	(2)		(3) EXPENDITURE			(2)-(3)	(4) TEMPORARY LOAN		
	REPAYMENT	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.	0.	0.	0.
3	1983	75.1	50600.0	0.	0.	0.	50600.0	49902.3	0.	49902.3
4	1984	92.3	0.	0.	0.	0.	0.	49804.1	0.	49804.1
5	1985	889.8	0.	0.	0.	0.	0.	48914.3	0.	48914.3
6	1986	2643.4	0.	0.	0.	0.	0.	46270.4	0.	46270.4
7	1987	6060.1	0.	0.	0.	0.	0.	40210.4	0.	40210.4
8	1988	13034.4	0.	0.	0.	0.	0.	27176.4	0.	27176.4
9	1989	10198.0	0.	0.	0.	0.	0.	7978.4	0.	7978.4
10	1990	25789.6	0.	0.	0.	0.	0.	-17811.2	-2406.5	-20217.7
11	1991	26664.8	24135.0	3684.0	3685.0	0.	7349.0	-30094.5	-4062.8	-34157.3
12	1992	24796.3	27503.0	4126.0	4104.0	0.	8210.0	-41680.6	-5626.9	-47307.5
13	1993	21824.3	30673.0	4621.0	4597.0	0.	9218.0	21655.0	-53776.8	-7259.9
14	1994	51343.0	34240.0	5175.0	5148.0	0.	10323.0	21917.0	-68442.7	-9242.5
15	1995	32964.0	60172.0	5797.0	5766.0	4693.5	16256.5	43915.5	-66753.6	-9011.7
16	1996	38320.5	65560.0	6492.0	6458.0	5033.8	17983.8	47576.2	-64019.7	-8642.7
17	1997	38928.0	70948.0	7271.0	7233.0	5254.6	19758.6	51189.6	-60401.6	-8354.2
18	1998	38437.7	76340.0	8144.0	8101.0	6497.2	22742.2	55972.8	-53395.7	-7208.4
19	1999	37946.8	81728.0	9121.0	9073.0	7676.2	25870.2	55972.8	-42693.1	-6456.7
20	2000	37455.9	141566.0	10215.0	10162.0	25119.3	45496.3	94067.7	10155.1	0.
21	2001	36966.9	145165.0	11441.0	11382.0	25613.1	48436.1	94728.9	69919.1	0.
22	2002	35691.9	14759.0	12814.0	12747.0	26251.8	51812.8	94946.2	131173.3	0.
23	2003	33449.1	152560.0	14352.0	14277.0	27084.6	55713.6	96666.4	194370.6	0.
24	2004	29657.6	155955.0	16074.0	15990.0	28271.0	60334.0	95621.0	260334.0	0.
25	2005	22714.8	263880.0	18003.0	17909.0	61576.0	97488.0	166392.0	404011.3	0.
26	2006	16120.7	269825.0	20163.0	20058.0	64665.0	104266.0	16559.0	553449.6	0.
27	2007	10041.7	275781.0	22583.0	22465.0	66207.4	112255.4	164525.6	707933.5	0.
28	2008	8632.4	281725.0	25293.0	25161.0	66791.0	117245.6	164479.4	863780.5	0.
29	2009	6976.0	287681.0	28328.0	28180.0	67259.1	123747.1	163913.9	1020718.4	0.
30	2010	6350.1	477995.0	31728.0	31562.0	122508.5	297198.5	297198.5	1306566.8	0.
31	2011	4558.5	487690.0	35335.0	35349.0	123404.2	194288.2	293401.8	1594510.1	0.
32	2012	4672.1	497368.0	39799.0	39591.0	123991.8	203381.8	293986.2	1883824.2	0.
33	2013	4552.7	507063.0	44575.0	44342.0	124078.0	212995.0	294088.0	2173359.5	0.
34	2014	3156.5	516140.0	49924.0	49663.0	124019.0	223606.0	292534.0	2462717.0	0.
35	2015	3073.2	842296.0	55915.0	55623.0	218305.4	329843.4	512452.6	2972096.4	0.
36	2016	1587.9	857780.0	62625.0	62298.0	219380.7	344303.7	513476.3	3483984.8	0.
37	2017	0.	873292.0	70140.0	69773.0	220013.7	359926.7	513365.3	3997350.1	0.
38	2018	0.	888776.0	78557.0	78146.0	219621.9	376324.9	512451.1	4509801.3	0.
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		(2) EXPENDITURE				(3)-(5) TEMPORARY LOAN		
	REPAYMENT	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.	0.	-19.9	-22.6
3 1983	75.1	50000.0	0.	0.	0.	0.	50000.0	49902.3	49902.3
4 1984	91.3	0.	0.	0.	0.	0.	0.	49804.1	49804.1
5 1985	889.8	0.	0.	0.	0.	0.	0.	48914.3	48914.3
6 1986	2643.4	0.	0.	0.	0.	0.	0.	46270.9	46270.9
7 1987	4040.1	0.	0.	0.	0.	0.	0.	40210.8	40210.8
8 1988	13034.4	0.	0.	0.	0.	0.	0.	27176.4	27176.4
9 1989	10198.0	0.	0.	0.	0.	0.	0.	7978.4	7978.4
10 1990	25789.6	0.	0.	0.	0.	0.	0.	-17811.2	-20215.7
11 1991	26664.8	24135.0	3684.0	3665.0	0.	7349.0	16786.0	-30094.5	-34157.3
12 1992	24796.3	27503.0	4126.0	4104.0	0.	8230.0	19273.0	-41680.6	-47307.5
13 1993	28124.3	30673.0	4621.0	4597.0	0.	9218.0	21655.0	-53776.8	-61036.6
14 1994	31343.0	34240.0	5175.0	5148.0	0.	10323.0	23917.0	-68462.7	-77705.1
15 1995	32966.0	60172.0	5797.0	5766.0	0.	11563.0	48609.0	-62060.2	-8378.1
16 1996	35830.5	65560.0	6492.0	6458.0	0.	12950.0	57610.0	-53658.8	-60902.7
17 1997	38928.0	70940.0	7271.0	7233.0	0.	14504.0	56444.0	-43387.3	-49244.6
18 1998	38437.7	76340.0	8144.0	8101.0	0.	16245.0	61095.0	-27567.3	-31311.6
19 1999	37946.8	81728.0	9121.0	9073.0	0.	18194.0	63334.0	-5724.3	-6497.1
20 2000	37455.9	141564.0	10215.0	10162.0	0.	20377.0	121187.0	77234.0	77234.0
21 2001	36964.9	145165.0	11441.0	11382.0	0.	22823.0	122342.0	162611.1	162611.1
22 2002	35691.9	148759.0	12814.0	12747.0	0.	25561.0	125198.0	250117.2	250117.2
23 2003	33449.1	152360.0	14352.0	14277.0	0.	28629.0	123731.0	340399.0	340399.0
24 2004	29657.6	155955.0	16074.0	15990.0	0.	32064.0	123891.0	434632.4	434632.4
25 2005	22716.8	263880.0	18003.0	17909.0	0.	35912.0	227968.0	639885.6	639885.6
26 2006	16120.7	269825.0	20163.0	20058.0	0.	40221.0	229604.0	853368.9	853368.9
27 2007	10041.7	275781.0	22583.0	22465.0	0.	45048.0	230733.0	1074060.3	1074060.3
28 2008	8632.4	281725.0	25293.0	25161.0	0.	50454.0	231271.0	1296698.8	1296698.8
29 2009	6976.0	287681.0	28328.0	28180.0	0.	56508.0	231173.0	1520895.9	1520895.9
30 2010	6350.1	477995.0	31728.0	31562.0	0.	63290.0	414705.0	1929250.7	1929250.7
31 2011	5454.5	487690.0	35335.0	35344.0	0.	70884.0	416806.0	2340598.2	2340598.2
32 2012	4672.1	497368.0	39799.0	39591.0	0.	79390.0	417978.0	2753904.1	2753904.1
33 2013	4552.7	507063.0	44575.0	44342.0	0.	88917.0	419146.0	3167497.3	3167497.3
34 2014	3156.5	516140.0	49924.0	49663.0	0.	99587.0	416553.0	3580893.8	3580893.8
35 2015	3073.2	842296.0	55915.0	55623.0	0.	111538.0	730758.0	4308578.7	4308578.7
36 2016	1587.9	857780.0	62625.0	62298.0	0.	124923.0	732857.0	5039847.8	5039847.8
37 2017	0.	873292.0	70140.0	69773.0	0.	139913.0	733379.0	5773226.8	5773226.8
38 2018	0.	888776.0	78557.0	78146.0	0.	156703.0	732073.0	6505299.8	6505299.8
TOTAL	631400.6	8592594.0	702495.0	698823.0	0.	1401318.0			

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
	INT'L FINANCE (A)	BOND (B)	TOTAL	INT'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.	175.7	175.7
9 1989	0.	0.	0.	0.	0.	915.2	915.2
10 1990	0.	0.	0.	0.	0.	1909.5	1909.5
11 1991	178.6	750.2	928.9	93.3	662.7	3110.9	3866.9
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	6441.8
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	3057.1	6662.2
17 1997	4521.1	3054.8	7575.9	2184.8	1970.7	2957.0	11125.5
18 1998	4521.1	3054.8	7575.9	2060.5	1772.1	2783.6	10616.2
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	1543.2	977.9	1726.5	4312.4
23 2003	4521.1	3054.8	7575.9	1438.8	779.3	1420.1	3638.5
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	2161.2
26 2006	4521.1	2304.6	6825.7	1065.9	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.	1587.9
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.	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.	14695.4	2520.3	17215.7	17215.7
11 1991	0.	0.	0.	16683.4	2520.3	19203.7	19203.7
12 1992	185.1	0.	185.1	14693.4	2520.3	17213.7	17398.8
13 1993	628.5	0.	628.5	14666.7	2520.3	17185.0	17813.5
14 1994	1432.6	104.3	1536.9	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	1013.3	5420.2	13880.9	2359.9	16240.9	21661.1
17 1997	6051.7	1680.2	7732.0	13192.9	2191.9	15384.8	23121.7
18 1998	6989.8	1680.2	8670.0	12259.8	2023.9	14283.7	22963.7
19 1999	8073.2	1680.2	9753.4	11176.4	1855.9	13032.3	22785.7
20 2000	9326.5	1680.2	11006.7	9925.1	1687.8	11612.9	22617.7
21 2001	10769.8	1680.2	12450.0	8679.8	1519.8	9999.6	22449.0
22 2002	11657.1	1680.2	13337.3	6810.5	1351.8	8162.3	21499.5
23 2003	11712.0	1680.2	13392.2	5003.4	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.	186.1	186.1	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	35286.5	235838.2	355837.6

APP.12.20 REPAYMENT PROGRAM FOR HARBOUR ROAD, CASE II

(Unit 10⁶Rp)

YEAR	(1) LOAN REPAYMENT	(2) REVENUE	(3) EXPENDITURE				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	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	-80.4	-677.4
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.	-7576.4	-1022.5	-8598.9
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	22029.5	24335.0	3684.0	3645.0	0.	7349.0	14784.0	-75012.1	-10124.0	-85138.8
12 1992	22161.0	27503.0	4126.0	4104.0	0.	8230.0	19273.0	-88026.7	-11883.6	-99910.3
13 1993	24497.3	30873.0	4621.0	4597.0	0.	9218.0	21655.0	-102752.8	-13871.6	-116624.4
14 1994	29676.8	34240.0	5175.0	5148.0	0.	10323.0	23917.0	-122384.2	-16521.9	-138906.1
15 1995	31297.8	60172.0	5797.0	5766.0	5193.4	16736.4	43415.6	-126785.2	-17116.4	-143901.7
16 1996	34997.2	65560.0	6492.0	6458.0	5295.8	18245.8	67314.2	-131547.7	-17758.9	-149306.6
17 1997	38924.4	70948.0	7271.0	7233.0	5254.4	19786.6	51189.4	-137045.8	-18501.2	-155547.0
18 1998	38437.7	76340.0	8144.0	8101.0	6449.2	22742.2	53597.8	-146038.9	-18952.2	-164991.1
19 1999	37946.8	81726.0	39237.0	9073.0	0.	48330.0	33398.0	-163887.9	-22124.9	-186012.8
20 2000	37453.9	141564.0	88447.0	10162.0	1649.7	100258.7	41305.3	-182143.4	-24592.1	-206735.4
21 2001	34984.9	143165.0	11441.0	11382.0	25613.1	48436.1	94728.9	-146991.5	-19843.9	-166835.3
22 2002	33691.9	148739.0	12814.0	12747.0	26251.8	51812.8	94946.2	-105581.1	-14253.4	-119834.6
23 2003	33449.1	152140.0	14352.0	14227.0	27084.6	55713.6	94644.4	-84647.2	-7664.0	-92311.2
24 2004	29657.9	153955.0	16074.0	15990.0	28270.0	60334.0	95621.0	1680.1	0.	1680.1
25 2005	22714.8	263880.0	18003.0	17909.0	61576.0	97488.0	168392.0	143357.3	0.	143357.3
26 2006	16120.7	269825.0	20163.0	20058.0	64045.0	104268.0	165559.0	294795.7	0.	294795.7
27 2007	10041.7	275781.0	22583.0	22465.0	66207.4	111255.4	164525.6	449279.6	0.	449279.6
28 2008	8632.4	281725.0	25293.0	25161.0	66791.6	117245.6	164479.4	605126.6	0.	605126.6
29 2009	6924.0	287681.8	28328.0	28180.0	62259.1	123747.1	163913.9	762064.5	0.	762064.5
30 2010	4350.1	477995.0	31728.0	31542.0	122506.5	185796.5	292198.5	1047912.9	0.	1047912.9
31 2011	5458.3	487690.0	35535.0	35349.0	121991.8	203381.8	293986.2	1625170.3	0.	1625170.3
32 2012	4672.1	493768.0	39799.0	39591.0	121991.8	212995.0	294068.0	1914685.6	0.	1914685.6
33 2013	4552.7	507063.0	44575.0	44342.0	124078.0	223606.0	292534.0	2204063.1	0.	2204063.1
34 2014	3156.5	516140.0	49924.0	49663.0	124019.0	223606.0	512452.6	2713442.3	0.	2713442.3
35 2015	3073.2	842296.0	55915.0	55623.0	218395.4	329843.4	51376.3	322530.9	0.	322530.9
36 2016	1587.9	857780.0	62625.0	62298.0	219380.7	344303.7	513365.3	3738696.2	0.	3738696.2
37 2017	0.	873292.0	70140.0	69773.0	220013.7	359226.7	512451.1	4251147.3	0.	4251147.3
38 2018	0.	888776.0	78557.0	78146.0	219621.9	376324.9	0.	0.	0.	0.
TOTAL	599084.1	8342594.0	810863.0	698823.0	1952310.5	3461996.6	0.	0.	0.	0.

APP.12.21 REPAYMENT PROGRAM FOR HARBOUR ROAD, CASE 12

APP.12.21 REPAYMENT PROGRAM FOR HARBOUR ROAD, CASE 12										
(Unit 10 ⁶ Rp)										
YEAR	(1) LOAN REPAYMENT	(2) REVENUE	(3) EXPENDITURE				(2)-(3)	(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	24135.0	3684.0	3665.0	7349.0	16786.0	-75012.1	-10126.6	-85138.8
12	1992	22161.0	27503.0	4126.0	4104.0	8230.0	19273.0	-88026.7	-11883.6	-99910.3
13	1993	24497.5	30873.0	4621.0	4597.0	9218.0	21655.0	-102752.8	-13871.6	-116624.4
14	1994	29676.8	34240.0	5175.0	5148.0	10323.0	23917.0	-122384.2	-16521.9	-138906.1
15	1995	31297.8	40172.0	5797.0	5766.0	11363.0	48609.0	-121594.9	-16415.3	-138010.2
16	1996	34957.2	65560.0	6492.0	6458.0	12950.0	52610.0	-120357.4	-16248.2	-136605.6
17	1997	38928.6	70948.0	7271.0	7233.0	14504.0	56444.6	-119090.2	-16077.2	-135167.4
18	1998	38437.7	76340.0	8144.0	8101.0	16245.0	60095.0	-113510.1	-15323.9	-128833.9
19	1999	37946.8	81728.0	39257.0	9073.0	48330.0	33398.0	-133382.7	-18006.7	-151389.4
20	2000	37455.9	141564.0	88447.0	10162.0	98609.0	42955.0	-145890.2	-19695.2	-165585.4
21	2001	36964.9	145165.0	11441.0	11382.0	22823.0	122342.0	-80208.3	-10828.1	-91036.3
22	2002	35691.9	148759.0	12814.0	12747.0	25561.0	123198.0	-3530.4	-474.6	-4007.0
23	2003	33469.1	152360.0	14352.0	14277.0	28429.0	123211.0	86274.8	0.	86274.8
24	2004	29657.6	159955.0	16074.0	15990.0	32064.0	123891.0	180508.3	0.	180508.3
25	2005	22714.8	263880.0	18003.0	17909.0	35912.0	227969.0	385761.4	0.	385761.4
26	2006	14120.7	249825.0	20163.0	20058.0	40221.0	229604.0	599244.8	0.	599244.8
27	2007	10641.7	275781.0	22583.0	22465.0	45048.0	230733.0	819936.1	0.	819936.1
28	2008	8637.4	281725.0	25293.0	25161.0	50454.0	231271.0	1042574.6	0.	1042574.6
29	2009	6976.0	287681.0	28328.0	28180.0	56508.0	231173.0	3266721.7	0.	3266721.7
30	2010	6350.1	477995.0	31728.0	31562.0	63290.0	414705.0	1675126.6	0.	1675126.6
31	2011	5458.5	487690.0	35535.0	35349.0	70884.0	468806.0	2086474.0	0.	2086474.0
32	2012	4672.1	497368.0	39799.0	39591.0	79390.0	417978.0	2499779.9	0.	2499779.9
33	2013	4552.7	507063.0	44575.0	44342.0	88917.0	419146.0	2913373.2	0.	2913373.2
34	2014	3156.5	516140.0	49924.0	49663.0	99587.0	416553.0	3326769.7	0.	3326769.7
35	2015	3073.2	862298.0	55915.0	55023.0	115338.0	730758.0	6054454.5	0.	6054454.5
36	2016	1587.9	857780.0	62625.0	62298.0	124923.0	732857.0	4785723.6	0.	4785723.6
37	2017	0.	873292.0	70140.0	69773.0	139913.0	733379.0	5519102.6	0.	5519102.6
38	2018	0.	888776.0	78557.0	78146.0	156703.0	732073.0	6251175.6	0.	6251175.6
TOTAL		599084.1	8542594.0	810863.0	698823.0	0.	150986.0			

APP.12.22 REPAYMENT PROGRAM FOR HARBOUR ROAD, CASE 14

APP.12.22 REPAYMENT PROGRAM FOR HARBOUR ROAD, CASE 14										
(Unit 10 ⁶ Rp)										
YEAR	(1) LOAN REPAYMENT	(2) REVENUE	(3) EXPENDITURE				(2)-(3)	(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	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.	0.	0.
6	1986	1934.2	0.	0.	0.	0.	0.	-597.0	-80.6	-677.6
7	1987	4610.1	0.	0.	0.	0.	0.	-2611.8	-352.6	-2964.4
8	1988	10108.0	0.	0.	0.	0.	0.	-7574.4	-1022.5	-8597.0
9	1989	15021.5	0.	0.	0.	0.	0.	-18704.9	-2525.2	-21230.1
10	1990	20324.6	0.	0.	0.	0.	0.	-36251.6	-4894.0	-41145.5
11	1991	22029.5	24135.0	3684.0	3665.0	7349.0	16786.0	-61470.1	-8298.5	-69768.6
12	1992	22161.0	27503.0	4126.0	4104.0	8230.0	19273.0	-75012.1	-10126.6	-85138.8
13	1993	24497.5	30873.0	4621.0	4597.0	9218.0	21655.0	-88026.7	-11883.6	-99910.3
14	1994	29676.8	34240.0	5175.0	5148.0	10323.0	23917.0	-102752.8	-13871.6	-116624.4
15	1995	31297.8	40172.0	5797.0	5766.0	11363.0	23917.0	-122384.2	-16521.9	-138906.1
16	1996	34957.2	65560.0	6492.0	6458.0	12950.0	48609.0	-121594.9	-16415.3	-138010.2
17	1997	38928.6	70948.0	7271.0	7233.0	14504.0	52610.0	-120357.4	-16248.2	-136605.6
18	1998	38437.7	76340.0	8144.0	8101.0	16245.0	56444.6	-119090.2	-16077.2	-135167.4
19	1999	37946.8	81728.0	39257.0	9073.0	48330.0	60095.0	-113510.1	-15323.9	-128833.9
20	2000	37455.9	141564.0	88447.0	10162.0	98609.0	33398.0	-145890.2	-19695.2	-165585.4
21	2001	36964.9	145165.0	11441.0	11382.0	22823.0	42955.0	-145890.2	-19695.2	-165585.4
22	2002	35691.9	148759.0	12814.0	12747.0	25561.0	122342.0	-80208.3	-10828.1	-91036.3
23	2003	33469.1	152360.0	14352.0	14277.0	28429.0	123198.0	-3530.4	-474.6	-4007.0
24	2004	29657.6	159955.0	16074.0	15990.0	32064.0	123211.0	86274.8	0.	86274.8
25	2005	22714.8	263880.0	18003.0	17909.0	35912.0	123891.0	180508.3	0.	180508.3
26	2006	14120.7	249825.0	20163.0	20058.0	40221.0	227969.0	385761.4	0.	385761.4
27	2007	10641.7	275781.0	22583.0	22465.0	45048.0	229604.0	599244.8	0.	599244.8
28	2008	8637.4	281725.0	25293.0	25161.0	50454.0	230733.0	819936.1	0.	819936.1
29	2009	6976.0	287681.0	28328.0	28180.0	56508.0	231271.0	1042574.6	0.	1042574.6
30	2010	6350.1	477995.0	31728.0	31562.0	63290.0	231173.0	3266721.7	0.	3266721.7
31	2011	5458.5	487690.0	35535.0	35349.0	70884.0	414705.0	1675126.6	0.	1675126.6
32	2012	4672.1	497368.0	39799.0	39591.0	79390.0	468806.0	2086474.0	0.	2086474.0
33	2013	4552.7	507063.0	44575.0	44342.0	88917.0	417978.0	2499779.9	0.	2499779.9
34	2014	3156.5	516140.0	49924.0	49663.0	99587.0	419146.0	2913373.2	0.	2913373.2
35	2015	3073.2	862298.0	55915.0	55023.0	115338.0	416553.0	3326769.7	0.	3326769.7
36	2016	1587.9	857780.0	62625.0	62298.0	124923.0	730758.0	6054454.5	0.	6054454.5
37	2017	0.	873292.0	70140.0	69773.0	139913.0	732857.0	4785723.6	0.	4785723.6
38	2018	0.	888776.0	78557.0	78146.0	156703.0	733379.0	5519102.6	0.	5519102.6
TOTAL		599084.1	8542594.0	702495.0	698823.0	1983456.3	3384774.3			

APP 12 23 REPAYMENT PROGRAM FOR HARBOUR ROAD, CASE 15

(Unit 10⁶Rp)

YEAR	(1) LOAN		(2) EXPENDITURE				(2)-(3)	(4) TEMPORARY LOAN		
	REPAYMENT	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	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	4614.1	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	-4894.4	-41145.5
10	1990	20324.6	0.	0.	0.	0.	0.	-61470.1	-8298.5	-69768.6
11	1991	22079.5	24135.0	3684.0	3645.0	0.	7349.0	14786.0	-75012.1	-85138.8
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	-138711.0
14	1994	29676.8	34240.0	5175.0	5168.0	0.	10323.0	23917.0	-122384.2	-165219.9
15	1995	31297.8	60172.0	5797.0	5766.0	0.	11563.0	46099.0	-121594.9	-166153.3
16	1996	34957.2	65540.0	6492.0	6458.0	0.	12950.0	57610.0	-120357.4	-162488.2
17	1997	38924.6	70948.0	7271.0	7233.0	0.	14514.0	54444.0	-119090.2	-160777.2
18	1998	38437.7	76340.0	8144.0	8101.0	0.	14245.0	60095.0	-113516.1	-155233.9
19	1999	37946.8	81728.0	9121.0	9073.0	0.	18194.0	63574.0	-103246.7	-139388.5
20	2000	37455.9	141344.0	10215.0	10162.0	0.	20377.0	121187.0	-33453.9	-45163.3
21	2001	36964.9	145165.0	11441.0	11382.0	0.	22823.0	122362.0	-47406.9	0.
22	2002	35691.9	148759.0	12814.0	12747.0	0.	25361.0	123198.0	134913.0	0.
23	2003	33449.1	152340.0	14352.0	14277.0	0.	28629.0	123731.0	225194.8	0.
24	2004	29657.6	155955.0	16074.0	15990.0	0.	32064.0	123891.0	319428.3	0.
25	2005	22714.8	263880.0	18003.0	17909.0	0.	35912.0	227948.0	524681.4	0.
26	2006	16120.7	269825.0	20163.0	20058.0	0.	40221.0	229674.0	738164.8	0.
27	2007	10041.7	275781.0	22583.0	22465.0	0.	45046.0	237733.0	958856.1	0.
28	2008	8632.4	281775.0	25293.0	25181.0	0.	50454.0	237277.0	1181494.6	0.
29	2009	6974.0	287081.0	28328.0	28180.0	0.	56508.0	231173.0	1405691.7	0.
30	2010	6350.1	477995.0	31728.0	31562.0	0.	63290.0	417795.0	1814046.6	0.
31	2011	5458.5	467690.0	35535.0	35349.0	0.	70884.0	416816.0	2225394.0	0.
32	2012	4672.1	497368.0	39799.0	39591.0	0.	79390.0	417978.0	2638699.9	0.
33	2013	4552.7	507043.0	44575.0	44342.0	0.	88917.0	418146.0	3052293.2	0.
34	2014	3156.5	516140.0	49924.0	49663.0	0.	99587.0	416553.0	3465689.7	0.
35	2015	3073.2	842296.0	55915.0	55623.0	0.	111538.0	737958.0	4193374.5	0.
36	2016	1587.9	857780.0	62625.0	62298.0	0.	124923.0	732857.0	4924643.6	0.
37	2017	0.	873292.0	70140.0	69773.0	0.	139913.0	733379.0	5658022.6	0.
38	2018	0.	888776.0	78557.0	78146.0	0.	156703.0	732073.0	6390095.6	0.
TOTAL		599084.1	8542594.0	702495.0	698823.0	0.	1401318.0			

APP 12 24 REPAYMENT PROGRAM FOR HARBOUR ROAD, CASE 17

(Unit 10⁶Rp)

YEAR	(1) LOAN		(2) EXPENDITURE				(2)-(3)	(4) TEMPORARY LOAN		
	REPAYMENT	REVENUE	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.
4	1984	0.	0.	0.	0.	0.	0.	0.	49403.0	0.
5	1985	597.0	0.	0.	0.	0.	0.	0.	47468.8	0.
6	1986	1934.2	0.	0.	0.	0.	0.	0.	42838.8	0.
7	1987	4614.1	0.	0.	0.	0.	0.	0.	32750.8	0.
8	1988	10108.0	0.	0.	0.	0.	0.	0.	17729.3	0.
9	1989	15021.5	0.	0.	0.	0.	0.	0.	-2595.3	-350.4
10	1990	20324.6	0.	0.	0.	0.	0.	0.	-8189.2	-1105.5
11	1991	22079.5	24135.0	3684.0	3645.0	0.	7349.0	14786.0	-12182.7	-1644.7
12	1992	22161.0	27503.0	4126.0	4104.0	0.	8230.0	19273.0	-16649.8	-2250.4
13	1993	24497.5	30873.0	4621.0	4597.0	0.	9218.0	21655.0	-24480.0	-3331.8
14	1994	29676.8	34240.0	5175.0	5168.0	0.	10323.0	23917.0	-44880.0	-2145.7
15	1995	31297.8	60172.0	5797.0	5766.0	0.	11563.0	46099.0	-5482.7	-6649.6
16	1996	34957.2	65540.0	6492.0	6458.0	0.	12950.0	57610.0	-51189.4	-5811.0
17	1997	38924.6	70948.0	7271.0	7233.0	0.	14514.0	54444.0	-51189.4	-5811.0
18	1998	38437.7	76340.0	8144.0	8101.0	0.	14245.0	60095.0	-51189.4	-5811.0
19	1999	37946.8	81728.0	9121.0	9073.0	0.	18194.0	63574.0	-51189.4	-5811.0
20	2000	37455.9	141344.0	10215.0	10162.0	0.	20377.0	121187.0	-51189.4	-5811.0
21	2001	36964.9	145165.0	11441.0	11382.0	0.	22823.0	122362.0	-51189.4	-5811.0
22	2002	35691.9	148759.0	12814.0	12747.0	0.	25361.0	123198.0	-51189.4	-5811.0
23	2003	33449.1	152340.0	14352.0	14277.0	0.	28629.0	123731.0	-51189.4	-5811.0
24	2004	29657.6	155955.0	16074.0	15990.0	0.	32064.0	123891.0	-51189.4	-5811.0
25	2005	22714.8	263880.0	18003.0	17909.0	0.	35912.0	227948.0	-51189.4	-5811.0
26	2006	16120.7	269825.0	20163.0	20058.0	0.	40221.0	229674.0	-51189.4	-5811.0
27	2007	10041.7	275781.0	22583.0	22465.0	0.	45046.0	237733.0	-51189.4	-5811.0
28	2008	8632.4	281775.0	25293.0	25181.0	0.	50454.0	237277.0	-51189.4	-5811.0
29	2009	6974.0	287081.0	28328.0	28180.0	0.	56508.0	231173.0	-51189.4	-5811.0
30	2010	6350.1	477995.0	31728.0	31562.0	0.	63290.0	417795.0	-51189.4	-5811.0
31	2011	5458.5	467690.0	35535.0	35349.0	0.	70884.0	416816.0	-51189.4	-5811.0
32	2012	4672.1	497368.0	39799.0	39591.0	0.	79390.0	417978.0	-51189.4	-5811.0
33	2013	4552.7	507043.0	44575.0	44342.0	0.	88917.0	418146.0	-51189.4	-5811.0
34	2014	3156.5	516140.0	49924.0	49663.0	0.	99587.0	416553.0	-51189.4	-5811.0
35	2015	3073.2	842296.0	55915.0	55623.0	0.	111538.0	737958.0	-51189.4	-5811.0
36	2016	1587.9	857780.0	62625.0	62298.0	0.	124923.0	732857.0	-51189.4	-5811.0
37	2017	0.	873292.0	70140.0	69773.0	0.	139913.0	733379.0	-51189.4	-5811.0
38	2018	0.	888776.0	78557.0	78146.0	0.	156703.0	732073.0	-51189.4	-5811.0
TOTAL		599084.1	6592594.0	702495.0	698823.0	0.	1983456.3	3386774.3		

APP 12.25 REPAYMENT SCHEDULE FOR FOREIGN LOANS AND BONDS (Cases 20 through 26)

(Unit: 10⁶ Rp)

YEAR	REPAYMENT OF THE PRINCIPAL				REPAYMENT OF THE INTEREST				TOTAL
	INTE'L FINANCE		BOND(A)	TOTAL	INTE'L FINANCE		BOND(A)	TOTAL	
	(A)	(B)			(A)	(B)			
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	0.	0.	0.	0.	0.	0.	0.	0.	0.
7 1987	0.	0.	0.	0.	0.	0.	175.7	175.7	175.7
8 1988	0.	0.	0.	0.	0.	0.	915.2	915.2	915.2
9 1989	0.	0.	0.	0.	0.	0.	1909.5	1909.5	1909.5
10 1990	0.	0.	0.	0.	0.	0.	3110.9	3110.9	3110.9
11 1991	0.	0.	0.	0.	0.	0.	3110.9	3110.9	3110.9
12 1992	0.	0.	0.	0.	0.	0.	3110.9	3110.9	3110.9
13 1993	0.	0.	0.	0.	0.	0.	3110.9	3110.9	3110.9
14 1994	0.	0.	54.5	54.5	0.	0.	3110.9	3110.9	3165.3
15 1995	0.	0.	292.2	292.2	0.	0.	3102.4	3102.4	3394.6
16 1996	0.	0.	645.9	645.9	0.	0.	3057.1	3057.1	3703.0
17 1997	0.	0.	1118.5	1118.5	0.	0.	2957.0	2957.0	4075.5
18 1998	0.	0.	1291.8	1291.8	0.	0.	2783.6	2783.6	4075.5
19 1999	0.	0.	1492.1	1492.1	0.	0.	2583.4	2583.4	4075.5
20 2000	0.	0.	1723.3	1723.3	0.	0.	2352.1	2352.1	4075.5
21 2001	0.	0.	1990.5	1990.5	0.	0.	2085.0	2085.0	4075.5
22 2002	0.	0.	2299.0	2299.0	0.	0.	1776.5	1776.5	4075.5
23 2003	0.	0.	2655.3	2655.3	0.	0.	1420.1	1420.1	4075.5
24 2004	0.	0.	2836.7	2836.7	0.	0.	1008.6	1008.6	3845.2
25 2005	0.	0.	2307.6	2307.6	0.	0.	568.9	568.9	2874.5
26 2006	0.	0.	1362.6	1362.6	0.	0.	211.2	211.2	1573.8
TOTAL	0.	0.	20070.0	20070.0	0.	0.	42460.7	42460.7	62530.7

APP 12.26 REPAYMENT SCHEDULE FOR DOMESTIC BONDS (Cases 20 through 26)

(Unit: 10⁶ Rp)

YEAR	REPAYMENT OF THE PRINCIPAL			REPAYMENT OF THE INTEREST			TOTAL
	BOND(A)	PLND(H)	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.	597.0	0.	597.0	597.0
7 1987	0.	0.	0.	1934.2	0.	1934.2	1934.2
8 1988	0.	0.	0.	4277.9	156.4	4434.3	4434.3
9 1989	0.	0.	0.	8463.2	729.6	9192.8	9192.8
10 1990	0.	0.	0.	11592.0	1519.9	13111.9	13111.9
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	17213.7
13 1993	628.5	0.	628.5	14664.7	2520.3	17185.0	17398.8
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	1013.3	5420.2	13880.9	2339.9	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	1013.8	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.	186.1	186.1	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.12.27 REPAYMENT PROGRAM FOR HARBOUR ROAD, CASE 20

(Unit 10⁶Rs)

YEAR	(1) LOAN		(3) EXPENDITURE				(4) TEMPORARY LOAN		
	REPAYMENT	REVENUE	MAINTN.	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	20324.6	24135.0	3684.0	3665.0	0.	7349.0	16796.0	-73307.2	-9896.5
12 1992	20309.7	27503.0	4126.0	4104.0	0.	8230.0	19273.0	-84440.3	-11399.4
13 1993	20924.3	30873.0	4621.0	4597.0	219.2	9437.2	21455.8	-95328.3	-12869.3
14 1994	21799.4	34240.0	5175.0	5148.0	635.3	10958.3	23281.7	-106715.4	-14406.6
15 1995	23660.0	60172.0	5797.0	5760.0	7484.7	19047.7	44124.3	-103657.6	-13993.8
16 1996	25344.1	65560.0	6492.0	6458.0	8173.8	21123.8	44436.2	-98579.3	-13308.2
17 1997	27197.2	70948.0	7271.0	7233.0	8776.0	23278.0	47670.0	-91414.7	-12341.0
18 1998	27229.2	76340.0	8144.0	8101.0	9919.7	26164.7	50175.3	-80609.6	-10882.3
19 1999	26861.1	81728.0	9073.0	9073.0	1961.1	50291.1	31436.9	-86916.1	-11733.7
20 2000	26693.1	141584.0	8347.0	10162.0	4878.6	103487.6	38076.4	-87266.5	-11781.0
21 2001	26525.1	145165.0	11441.0	11382.0	28745.1	51568.1	93596.9	-31975.6	-4336.7
22 2002	25575.0	148759.0	12814.0	12747.0	29286.9	54847.9	98911.1	-30433.8	32063.8
23 2003	23655.1	152360.0	14352.0	14277.0	30022.8	58651.8	93708.2	102096.4	0.
24 2004	20186.4	155955.0	16074.0	15999.0	31114.4	63175.4	92779.6	174690.1	0.
25 2005	15566.0	263880.0	18003.0	17909.0	64320.4	100232.4	163647.6	324771.1	0.
26 2006	7996.0	269825.0	20163.0	20058.0	66442.2	106703.2	163121.8	479896.2	0.
27 2007	2191.9	275781.0	22583.0	22465.0	68562.5	113610.5	162710.7	639874.9	0.
28 2008	2023.9	281725.0	25293.0	25161.0	68774.1	119224.1	162496.9	800347.9	0.
29 2009	1762.0	282681.0	28328.0	28180.0	68823.3	125313.3	162349.7	960935.6	0.
30 2010	1260.5	477995.0	31728.0	31502.0	124033.4	187373.4	240671.0	1250364.8	0.
31 2011	667.0	467095.0	35535.0	35349.0	124861.7	195725.7	241964.3	1547644.1	0.
32 2012	0.	497368.0	39799.0	39591.0	125393.4	204735.4	292584.6	1836228.7	0.
33 2013	0.	507063.0	44573.0	44342.0	125443.8	214360.8	292702.2	2126910.9	0.
34 2014	0.	516140.0	49924.0	49663.0	124965.9	224552.9	291547.1	2438518.0	0.
35 2015	0.	857780.0	55915.0	55623.0	219227.4	330745.4	511530.6	2930048.6	0.
36 2016	0.	857780.0	62625.0	62298.0	219857.1	344780.1	512999.9	3433048.5	0.
37 2017	0.	873292.0	70140.0	69773.0	220013.7	359926.7	513365.3	3956413.8	0.
38 2018	0.	888776.0	78557.0	78146.0	219621.9	376324.9	512451.1	4468864.9	0.
TOTAL	418368.3	8542594.0	702495.0	698823.0	2001573.1	3511259.1			

APP 12 28 REPAYMENT PROGRAM FOR HARBOUR ROAD, CASE 22

(Unit 10⁶Rs)

YEAR	(1) LOAN		(3) EXPENDITURE				(4) TEMPORARY LOAN		
	REPAYMENT	REVENUE	MAINTN.	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	20324.6	24135.0	3684.0	3665.0	5035.8	12384.8	11750.2	-78343.0	-10376.3
12 1992	20309.7	27503.0	4126.0	4104.0	5781.9	16011.9	13491.1	-95937.9	-12951.6
13 1993	20924.3	30873.0	4621.0	4597.0	6494.5	15714.5	15158.5	-114655.3	-15478.5
14 1994	21799.4	34240.0	5175.0	5148.0	7173.1	17498.1	16741.9	-135191.3	-18250.8
15 1995	23660.0	60172.0	5797.0	5760.0	14582.7	26145.7	34026.3	-143075.9	-19315.2
16 1996	25344.1	65560.0	6492.0	6458.0	15783.0	28733.0	36827.0	-150928.2	-20375.3
17 1997	27197.2	70948.0	7271.0	7233.0	16931.2	31437.2	39510.8	-158982.9	-21463.6
18 1998	27229.2	76340.0	8144.0	8101.0	18028.5	34273.5	47066.5	-165416.2	-22331.2
19 1999	26861.1	81728.0	9073.0	9073.0	19060.2	37254.2	44473.8	-170134.7	-22968.2
20 2000	26693.1	141584.0	10215.0	10162.0	36330.1	56735.1	84850.9	-134965.1	-18220.3
21 2001	26525.1	145165.0	11441.0	11382.0	34702.6	59525.6	85639.4	-94071.1	-12699.6
22 2002	25575.0	148759.0	12814.0	12747.0	36959.4	62520.4	86238.6	-68107.2	-6224.5
23 2003	23655.1	152360.0	14352.0	14277.0	37119.3	63748.3	86611.7	10625.0	0.
24 2004	20186.4	155955.0	16074.0	15999.0	37167.3	69231.3	86723.7	77162.3	0.
25 2005	15566.0	263880.0	18003.0	17909.0	68390.4	104302.4	159577.6	223173.3	0.
26 2006	7996.0	269825.0	20163.0	20058.0	68881.2	109102.2	160722.8	375899.3	0.
27 2007	2191.9	275781.0	22583.0	22465.0	69219.9	114267.9	161513.1	535220.5	0.
28 2008	2023.9	281725.0	25293.0	25161.0	69381.3	119835.3	161889.7	695086.3	0.
29 2009	1762.0	282681.0	28328.0	28180.0	69351.9	123859.9	161821.1	855145.4	0.
30 2010	1260.5	477995.0	31728.0	31502.0	124411.5	187701.5	240293.5	1146178.4	0.
31 2011	667.0	467095.0	35535.0	35349.0	125041.8	195925.8	291764.2	1472865.3	0.
32 2012	0.	497368.0	39799.0	39591.0	125393.4	204783.4	292584.6	1727865.3	0.
33 2013	0.	507063.0	44573.0	44342.0	125443.8	214360.8	292702.2	2020542.5	0.
34 2014	0.	516140.0	49924.0	49663.0	124965.9	224552.9	291547.1	2312149.6	0.
35 2015	0.	857780.0	55915.0	55623.0	219227.4	330745.4	511530.6	2823680.2	0.
36 2016	0.	857780.0	62625.0	62298.0	219857.1	344780.1	512999.9	3336880.0	0.
37 2017	0.	873292.0	70140.0	69773.0	220013.7	359926.7	513365.3	3850045.4	0.
38 2018	0.	888776.0	78557.0	78146.0	219621.9	376324.9	512451.1	4362496.5	0.
TOTAL	418368.3	8542594.0	702495.0	698823.0	2142382.8	3543700.8			

APP. 12.29 REPAYMENT PROGRAM FOR HARBOUR ROAD, CASE 23

		(3) EXPENDITURE					(4) TEMPORARY LOAN			
YEAR	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.	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	10100.0	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	20324.6	24135.0	3684.0	3645.0	0.	7369.0	16786.0	-73307.2	-83201.6
12	1992	20509.7	27503.0	4126.0	4104.0	0.	8230.0	19273.0	-84440.3	-95839.8
13	1993	20924.3	30873.0	4621.0	4597.0	219.2	9437.2	21635.8	-95328.3	-108197.7
14	1994	21799.4	34240.0	5175.0	5148.0	635.3	10958.3	23281.7	-106715.4	-14606.6
15	1995	23665.0	60177.0	5797.0	5760.0	7484.7	19047.7	41174.3	-103657.6	-13995.8
16	1996	25366.1	65560.0	6492.0	6458.0	9173.8	21223.8	44636.2	-98579.3	-13308.2
17	1997	27197.2	70948.0	7271.0	7233.0	8724.0	23278.0	47670.0	-91414.7	-12341.0
18	1998	27029.2	76340.0	8144.0	8101.0	9919.7	26164.7	50175.3	-80609.6	-10882.3
19	1999	26861.1	81728.0	9121.0	9073.0	11001.9	29195.9	52532.1	-65820.9	-8885.8
20	2000	26093.1	141564.0	10215.0	10162.0	28368.2	48725.2	92838.8	-8561.0	-1155.7
21	2001	26525.1	145165.0	11441.0	11382.0	28765.1	51568.1	93596.9	57355.1	0.
22	2002	25575.0	148789.0	12814.0	12747.0	34959.4	57520.4	93911.1	125691.2	125691.2
23	2003	23655.1	152360.0	14352.0	14277.0	30022.8	58651.8	93708.2	195744.3	195744.3
24	2004	20186.6	155955.0	16074.0	15990.0	37167.3	62311.3	92779.6	268337.5	268337.5
25	2005	15566.6	163880.0	18003.0	17909.0	46390.4	100232.4	163667.6	418418.5	418418.5
26	2006	7994.8	206875.0	20163.0	20058.0	66482.2	106703.2	163171.8	573543.5	573543.5
27	2007	2191.9	275781.0	22583.0	22465.0	69311.5	113610.3	162170.7	733522.3	733522.3
28	2008	2023.9	275781.0	22583.0	22465.0	69311.5	113610.3	162170.7	733522.3	733522.3
29	2009	1762.0	267681.0	21810.0	21785.0	69311.5	113610.3	162170.7	733522.3	733522.3
30	2010	1260.5	477995.0	31728.0	31542.0	124033.4	187373.4	290671.6	1343994.2	1343994.2
31	2011	647.0	467690.0	35535.0	35349.0	124033.4	187373.4	290671.6	1343994.2	1343994.2
32	2012	0.	497368.0	39799.0	39591.0	125041.8	195275.7	291966.3	1635291.5	1635291.5
33	2013	0.	507663.0	44575.0	44342.0	124965.9	204783.4	292584.6	1927876.1	1927876.1
34	2014	0.	516146.0	49924.0	49663.0	124965.9	204783.4	292584.6	1927876.1	1927876.1
35	2015	0.	42206.0	55915.0	55623.0	124965.9	204783.4	292584.6	1927876.1	1927876.1
36	2016	0.	857780.0	67625.0	67296.0	219857.1	344780.1	512999.9	3536695.9	3536695.9
37	2017	0.	873292.0	70140.0	69773.0	220013.7	359926.7	513365.3	4050611.2	4050611.2
38	2018	0.	888776.0	78557.0	78146.0	219621.9	376324.9	512451.1	4562512.3	4562512.3
TOTAL	418345.3	8542594.1	712495.0	698823.0	2036083.5	3435401.5				

APP. 12.30 REPAYMENT PROGRAM FOR HARBOUR ROAD, CASE 25

		(3) EXPENDITURE					(4) TEMPORARY LOAN			
YEAR	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.	50000.0	50000.0	50000.0
4	1984	0.	0.	0.	0.	0.	0.	0.	0.	0.
5	1985	597.0	0.	0.	0.	0.	0.	0.	49403.0	49403.0
6	1986	1934.2	0.	0.	0.	0.	0.	0.	47468.8	47468.8
7	1987	4610.1	0.	0.	0.	0.	0.	0.	42858.8	42858.8
8	1988	10100.0	0.	0.	0.	0.	0.	0.	32750.8	32750.8
9	1989	15021.5	0.	0.	0.	0.	0.	0.	17729.3	17729.3
10	1990	20324.6	0.	0.	0.	0.	0.	0.	-2595.3	-2455.6
11	1991	20324.6	24135.0	3684.0	3645.0	5035.8	12384.8	11750.2	-11520.0	-13075.2
12	1992	20509.7	27503.0	4126.0	4104.0	5781.9	14011.9	13491.1	-20093.8	-22806.5
13	1993	20924.3	30873.0	4621.0	4597.0	6496.5	15714.5	15158.5	-28572.3	-3857.3
14	1994	21799.4	34240.0	5175.0	5148.0	7175.1	17498.1	16741.9	-37487.1	-5060.8
15	1995	23665.0	60177.0	5797.0	5760.0	14582.7	26145.7	34026.3	-32181.6	-4344.5
16	1996	25366.1	65560.0	6492.0	6458.0	15783.0	28733.0	36827.0	-25063.2	-28446.7
17	1997	27197.2	70948.0	7271.0	7233.0	16933.2	31437.2	39510.8	-16133.1	-18311.1
18	1998	27029.2	76340.0	8144.0	8101.0	18028.5	34273.5	42066.5	-3273.7	-3715.7
19	1999	26861.1	81728.0	9121.0	9073.0	19060.2	37254.2	44473.8	13897.0	13897.0
20	2000	26093.1	141564.0	10215.0	10162.0	34556.1	56733.1	86830.9	72036.7	72036.7
21	2001	26525.1	145165.0	11441.0	11382.0	34702.6	59525.6	85639.4	131149.0	131149.0
22	2002	25575.0	148789.0	12814.0	12747.0	37119.3	65748.3	86611.7	254769.2	254769.2
23	2003	23655.1	152360.0	14352.0	14277.0	37167.3	62311.3	86723.7	321306.5	321306.5
24	2004	20186.6	155955.0	16074.0	15990.0	46390.4	104302.4	159577.6	467317.5	467317.5
25	2005	15566.6	163880.0	18003.0	17909.0	68390.4	104302.4	159577.6	467317.5	467317.5
26	2006	7994.8	206875.0	20163.0	20058.0	88881.2	109102.2	160722.8	620043.5	620043.5
27	2007	2191.9	275781.0	22583.0	22465.0	69219.9	114267.9	161513.1	779364.7	779364.7
28	2008	2023.9	275781.0	22583.0	22465.0	69311.5	114267.9	161513.1	779364.7	779364.7
29	2009	1762.0	267681.0	21810.0	21785.0	69311.5	114267.9	161513.1	779364.7	779364.7
30	2010	1260.5	477995.0	31728.0	31542.0	124411.5	187701.5	292293.5	1388322.7	1388322.7
31	2011	647.0	467690.0	35535.0	35349.0	125041.8	195925.8	291764.2	1679419.9	1679419.9
32	2012	0.	497368.0	39799.0	39591.0	125041.8	195925.8	291764.2	1679419.9	1679419.9
33	2013	0.	507663.0	44575.0	44342.0	124965.9	204783.4	292584.6	1927004.5	1927004.5
34	2014	0.	516146.0	49924.0	49663.0	124965.9	204783.4	292584.6	1927004.5	1927004.5
35	2015	0.	42206.0	55915.0	55623.0	124965.9	204783.4	292584.6	1927004.5	1927004.5
36	2016	0.	857780.0	67625.0	67296.0	219857.1	344780.1	512999.9	3580824.3	3580824.3
37	2017	0.	873292.0	70140.0	69773.0	220013.7	359926.7	513365.3	4096189.6	4096189.6
38	2018	0.	888776.0	78557.0	78146.0	219621.9	376324.9	512451.1	4606640.7	4606640.7
TOTAL	418345.3	8592594.0	712495.0	698823.0	2142382.8	3543700.8				

APP. 12.31 REPAYMENT PROGRAM FOR HARBOUR ROAD, CASE 26

(Unit 10 ⁶ Rp)										
YEAR	(1) LOAN	(2)	(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.
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	50000.0
4	1984	0.	0.	0.	0.	0.	0.	0.	50000.0	50000.0
5	1985	597.0	0.	0.	0.	0.	0.	0.	49403.0	49403.0
6	1986	1934.2	0.	0.	0.	0.	0.	0.	47468.8	47468.8
7	1987	4610.1	0.	0.	0.	0.	0.	0.	42858.8	42858.8
8	1988	10108.0	0.	0.	0.	0.	0.	0.	32750.8	32750.8
9	1989	15021.5	0.	0.	0.	0.	0.	0.	17729.3	17729.3
10	1990	20324.6	0.	0.	0.	0.	0.	0.	-2945.6	-2945.6
11	1991	20324.6	26135.0	3684.0	3665.0	0.	7349.0	16786.0	-6484.2	-7359.6
12	1992	20409.7	27503.0	4126.0	4104.0	0.	8250.0	19273.0	-8594.3	-9756.8
13	1993	20924.3	30873.0	4621.0	4597.0	219.2	9437.2	21435.8	-9245.3	-10493.4
14	1994	21799.4	34240.0	5175.0	5148.0	635.3	10958.3	23281.7	-9011.1	-10227.6
15	1995	23660.0	60172.0	5797.0	5766.0	7484.7	19047.7	41124.3	7236.7	7236.7
16	1996	25364.1	65560.0	6492.0	6458.0	8173.8	21123.8	44436.2	26308.8	26308.8
17	1997	27197.2	70968.0	7271.0	7233.0	8774.0	23278.0	67670.0	46781.6	46781.6
18	1998	27029.2	76340.0	8144.0	8101.0	9919.7	26164.7	50175.3	69927.7	69927.7
19	1999	26861.1	81728.0	9121.0	9073.0	11001.9	29195.9	52532.1	95598.6	95598.6
20	2000	26693.1	141564.0	10215.0	10162.0	28348.2	48725.2	92838.8	161744.4	161744.4
21	2001	26525.1	145165.0	11441.0	11382.0	28745.1	51568.1	93596.9	228816.2	228816.2
22	2002	25375.0	148759.0	12814.0	12747.0	29286.9	54847.9	93911.1	297152.3	297152.3
23	2003	23655.1	152360.0	14352.0	14277.0	30022.8	58651.8	93708.2	367205.4	367205.4
24	2004	20186.4	155955.0	16074.0	15990.0	31111.4	63175.4	92779.6	439798.6	439798.6
25	2005	13566.6	263880.0	18003.0	17999.0	64320.0	100232.4	163647.6	589879.6	589879.6
26	2006	7996.8	269825.0	20163.0	20058.0	66482.2	106703.2	163121.8	745004.7	745004.7
27	2007	2191.9	275741.0	22583.0	22465.0	68562.5	113610.3	142170.7	904983.4	904983.4
28	2008	2023.9	281725.0	25293.0	25161.0	68774.1	119228.1	162496.9	1065456.4	1065456.4
29	2009	1762.0	287681.0	28528.0	28180.0	68823.3	125331.3	162349.7	1226044.1	1226044.1
30	2010	1260.5	477995.0	31778.0	31562.0	124033.4	187323.4	290671.6	1515455.3	1515455.3
31	2011	667.0	487690.0	35315.0	35349.0	124841.7	195725.7	291964.3	1806752.6	1806752.6
32	2012	0.	497368.0	39799.0	39591.0	125393.4	204783.4	292584.6	2099337.2	2099337.2
33	2013	0.	507063.0	44575.0	44342.0	125443.8	214360.8	292702.2	2392039.4	2392039.4
34	2014	0.	516140.0	49924.0	49663.0	124965.9	224552.9	291587.1	2683626.5	2683626.5
35	2015	0.	842296.0	55915.0	55423.0	219227.4	330765.4	511530.6	3195157.1	3195157.1
36	2016	0.	857780.0	62625.0	62298.0	219857.1	344780.1	512999.9	3708157.0	3708157.0
37	2017	0.	873292.0	70140.0	69773.0	220043.7	359996.7	513565.3	4221522.3	4221522.3
38	2018	0.	888776.0	78557.0	78146.0	219671.9	376324.9	512451.1	4733973.4	4733973.4
TOTAL		418368.3	8592594.0	702495.0	698233.0	2034083.5	5435401.5			

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

(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	723	753	1476
3	1983	2008	5314	7322
4	1984	842	32741	33583
5	1985	5021	55471	40492
6	1986	10744	46417	57161
7	1987	33635	41434	75067
8	1988	47355	60661	108014
9	1989	39955	50233	90186
10	1990	11881	19592	31273
TOTAL		152156	292916	445074

APP.12.33 FINANCING PLAN, Cases 03-1 & 03-2

(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.	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	11253.6	37512.0	0.	0.	0.	32741.0
5 1985	0.	0.	0.	3851.4	0.	3851.4	31619.6
6 1986	70385.9	3321.9	103705.8	8627.4	0.	8627.4	38289.6
7 1987	0.	0.	1133.8	1133.8	23206.0	1564.4	16573.6
8 1988	0.	0.	1837.0	1837.0	33717.0	2679.6	24264.4
9 1989	0.	0.	2020.2	2020.2	27023.2	3116.6	20093.2
10 1990	0.	0.	2376.2	2376.2	7746.8	3878.4	7756.8
TOTAL	100215.3	44575.5	7367.2	152158.0	104271.8	11239.0	177405.2

APP.12.34 REPAYMENT SCHEDULE FOR FOREIGN LOANS AND BONDS, CASE 03-1

(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.	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	928.8	2751.0	2848.6	5599.6	6741.6
12 1992	178.6	750.2	928.8	2746.1	2799.9	5546.0	6687.9
13 1993	178.6	2971.7	3150.4	2741.2	2606.7	5347.9	6489.8
14 1994	1491.6	2971.7	4463.3	2700.2	2413.6	5113.8	8255.6
15 1995	1491.6	2971.7	4463.3	2659.1	2220.4	4879.5	6013.0
16 1996	5010.8	2971.7	7982.5	2521.3	2027.2	4548.5	6558.6
17 1997	5010.8	2971.7	7982.5	2383.6	1834.1	4217.7	5285.5
18 1998	5010.8	2971.7	7982.5	2245.8	1640.9	3886.7	4888.2
19 1999	5010.8	2971.7	7982.5	2108.0	1447.8	3555.8	4480.6
20 2000	5010.8	2971.7	7982.5	1970.2	1254.6	3224.8	4061.1
21 2001	5010.8	2971.7	7982.5	1832.4	1061.4	2893.8	3627.9
22 2002	5010.8	2971.7	7982.5	1694.6	868.3	2562.9	3178.9
23 2003	5010.8	2971.7	7982.5	1556.8	675.1	2231.9	2711.6
24 2004	5010.8	2971.7	7982.5	1419.0	482.0	1901.0	2223.1
25 2005	5010.8	2971.7	7982.5	1281.2	288.8	1570.0	1745.8
26 2006	5010.8	2221.5	7232.3	1143.4	144.4	1287.8	1352.5
27 2007	5010.8	2221.5	7232.3	1005.6	0.0	1005.6	8237.8
28 2008	5010.8	0.	5010.8	867.8	0.	867.8	5878.6
29 2009	5010.8	0.	5010.8	730.0	0.	730.0	5740.8
30 2010	5010.8	0.	5010.8	592.2	0.	592.2	5603.0
31 2011	4832.1	0.	4832.1	459.3	0.	459.3	5291.4
32 2012	4832.1	0.	4832.1	326.4	0.	326.4	5158.6
33 2013	4832.1	0.	4832.1	193.6	0.	193.6	5025.7
34 2014	3519.2	0.	3519.2	96.8	0.	96.8	3616.0
35 2015	3519.2	0.	3519.2	0.0	0.	0.0	3519.2
TOTAL	163215.3	44575.5	7367.2	47060.7	33432.1	15586.3	96079.1

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

YEAR	REPAYMENT OF THE PRINCIPAL			REPAYMENT OF THE INTEREST			TOTAL
	BUYD(A)	ROUND(B)	TOTAL	ROUND(A)	ROUND(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.	0.	597.0	597.0	597.0
6	1986	0.	0.	0.	1934.2	1934.2	1934.2
7	1987	0.	0.	0.	5545.1	156.4	5701.5
8	1988	0.	0.	0.	10771.2	424.4	11195.6
9	1989	0.	0.	0.	14959.8	736.1	15695.9
10	1990	0.	0.	0.	16162.1	1123.9	17286.0
11	1991	0.	0.	0.	16162.1	1123.9	17286.0
12	1992	185.1	0.	185.1	16162.1	1123.9	17471.1
13	1993	628.5	0.	628.5	16153.4	1123.9	17885.8
14	1994	1845.5	104.1	1949.8	16036.0	1113.5	19095.3
15	1995	3752.1	282.9	4035.1	15750.0	1085.2	20870.2
16	1996	5632.5	490.7	6123.3	15168.4	1036.1	22327.7
17	1997	6878.4	749.3	7627.7	14225.3	961.2	22886.2
18	1998	7944.6	749.3	8693.8	13229.2	886.3	22809.3
19	1999	9176.0	749.3	9925.2	11997.8	611.3	22099.1
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	13676.4	749.3	14425.8	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.	665.0	665.0	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 220600.6 15736.6 236335.2 351846.0							

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

YEAR	REPAYMENT	REVENUE	(3) EXPENDITURE				(2)-(3)	(4) TEMPORARY LOAN		
			MAINTN.	OPPRAT.	TAX	TOTAL		LOAN	INTEREST	TOTAL
			(Unit 10 ⁶ Rp)							
0	1980	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	98.5	0.	0.	0.	0.	0.	-209.1	-28.2	-237.3
5	1985	882.8	0.	0.	0.	0.	0.	-1127.1	-152.2	-1279.3
6	1986	2643.4	0.	0.	0.	0.	0.	-3922.7	-529.6	-4452.2
7	1987	7858.5	0.	0.	0.	0.	0.	-12310.7	-1661.9	-13972.7
8	1988	15421.8	0.	0.	0.	0.	0.	-29394.5	-3968.5	-33362.7
9	1989	21727.8	0.	0.	0.	0.	0.	-55090.5	-7437.2	-62527.7
10	1990	24081.5	0.	0.	0.	0.	0.	-86609.0	-11692.2	-98301.2
11	1991	24956.5	24135.0	3684.0	3665.0	7349.0	16786.0	-106471.7	-14373.7	-120845.3
12	1992	25087.9	27503.0	4126.0	4104.0	8230.0	19273.0	-126660.3	-17099.1	-143759.4
13	1993	27526.0	50673.0	4621.0	-597.0	0.	9218.0	-149630.4	-20200.1	-169830.5
14	1994	29872.7	54240.0	5175.0	5148.0	0.	10323.0	-175786.2	-23731.1	-199517.3
15	1995	31497.7	60172.0	5797.0	5766.0	0.	11563.0	-182406.1	-24624.8	-207030.9
16	1996	36240.6	65560.0	6492.0	6458.0	0.	12950.0	-190661.5	-25739.3	-216400.8
17	1997	36580.3	70348.0	7271.0	7233.0	0.	14504.0	-196537.1	-26532.5	-223069.6
18	1998	36174.4	76340.0	8144.0	8101.0	0.	16245.0	-199149.0	-26885.1	-226034.1
19	1999	35768.5	81728.0	9073.0	9073.0	0.	18330.0	-228404.6	-30834.6	-259239.2
20	2000	35362.6	11564.0	8847.0	10162.0	0.	98609.0	-251646.9	-33972.3	-285619.2
21	2001	34956.8	145165.0	11441.0	11382.0	0.	22823.0	-198234.0	-26761.6	-224995.6
22	2002	33768.8	148759.0	12814.0	12747.0	0.	25561.0	-123198.0	-135566.3	-18301.5
23	2003	31611.0	152360.0	14352.0	14277.0	0.	28629.0	-123331.0	-61747.8	-8336.0
24	2004	26244.5	155455.0	16074.0	15990.0	0.	32064.0	-123891.0	27562.9	0.
25	2005	18618.8	263880.0	18003.0	17939.0	0.	35912.0	-227968.0	236912.1	236912.1
26	2006	11613.8	269825.0	20163.0	20058.0	0.	40221.0	-229604.0	456902.4	456902.4
27	2007	9199.0	275781.0	22665.0	22465.0	0.	45048.0	-230733.0	676366.4	676366.4
28	2008	6764.8	281725.0	25293.0	25161.0	0.	50454.0	-231271.0	900942.6	900942.6
29	2009	6458.2	287681.0	28328.0	28180.0	0.	56508.0	-231173.0	1125657.3	1125657.3
30	2010	6095.2	477906.0	31778.0	31562.0	0.	63290.0	-414705.0	1536267.2	1536267.2
31	2011	5550.0	487690.0	35535.0	35349.0	0.	70884.0	-416806.0	1945523.2	1945523.2
32	2012	5158.0	473684.0	39799.0	39591.0	0.	79590.0	-417978.0	2358342.6	2358342.6
33	2013	5125.7	507033.0	46575.0	46422.0	0.	89170.0	-418146.0	2771463.0	2771463.0
34	2014	3618.0	516140.0	49974.0	49663.0	0.	99587.0	-416553.0	3184400.0	3184400.0
35	2015	3519.2	842296.0	55915.0	55623.0	0.	111536.0	-730758.0	3911638.8	3911638.8
36	2016	0.	857780.0	62625.0	62298.0	0.	124923.0	-732857.0	4644495.8	4644495.8
37	2017	0.	815292.0	70146.0	69773.0	0.	139913.0	-733379.0	5377874.8	5377874.8
38	2018	0.	808770.0	78557.0	78146.0	0.	156703.0	-732073.0	6109947.8	6109947.8
TOTAL 600033.0 8547504.0 810843.0 6988235.0 0. 1509686.0										

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

(Unit: 10⁶ Rp)

Y.P.	REPAYMENT OF THE PRINCIPAL				REPAYMENT OF THE INTEREST			TOTAL
	INTE'L FINANCE		BOND(A)	TOTAL	INTE'L FINANCE		TOTAL	
	(A)	(B)			(A)	(B)		
0	1000	0	0	0	0	0	0	
1	1000	0	0	0	0	0	0	
2	1000	0	0	0	0	0	0	
3	1000	0	0	0	0	0	0	
4	1000	0	0	0	0	0	0	
5	1000	0	0	0	0	0	0	
6	1000	0	0	0	0	0	0	
7	1000	0	0	0	0	175.7	175.7	
8	1000	0	0	0	0	460.5	460.5	
9	1000	0	0	0	0	773.6	773.6	
10	1000	0	0	0	0	1141.9	1141.9	
11	1000	17.00	0	976.9	93.3	682.7	1918.0	
12	1000	17.00	0	976.9	96.4	694.0	1866.3	
13	1000	17.00	0	976.9	99.5	705.3	1814.6	
14	1000	17.00	0	976.9	102.6	716.6	1762.9	
15	1000	17.00	0	976.9	105.7	727.9	1711.2	
16	1000	17.00	0	976.9	108.8	739.2	1659.5	
17	1000	17.00	0	976.9	111.9	750.5	1607.8	
18	1000	17.00	0	976.9	115.0	761.8	1556.1	
19	1000	17.00	0	976.9	118.1	773.1	1504.4	
20	1000	17.00	0	976.9	121.2	784.4	1452.7	
21	1000	17.00	0	976.9	124.3	795.7	1401.0	
22	1000	17.00	0	976.9	127.4	807.0	1349.3	
23	1000	17.00	0	976.9	130.5	818.3	1297.6	
24	1000	17.00	0	976.9	133.6	829.6	1245.9	
25	1000	17.00	0	976.9	136.7	840.9	1194.2	
26	1000	17.00	0	976.9	139.8	852.2	1142.5	
27	1000	17.00	0	976.9	142.9	863.5	1090.8	
28	1000	17.00	0	976.9	146.0	874.8	1039.1	
29	1000	17.00	0	976.9	149.1	886.1	987.4	
30	1000	17.00	0	976.9	152.2	897.4	935.7	
31	1000	17.00	0	976.9	155.3	908.7	884.0	
32	1000	17.00	0	976.9	158.4	920.0	832.3	
33	1000	17.00	0	976.9	161.5	931.3	780.6	
34	1000	17.00	0	976.9	164.6	942.6	728.9	
35	1000	17.00	0	976.9	167.7	953.9	677.2	
TOTAL	10000	1700	0	9769	1677	9539	214207.4	

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

(Unit: 10⁶ Rp)

Y.P.	REPAYMENT OF THE PRINCIPAL			REPAYMENT OF THE INTEREST			TOTAL
	BOND(A)	BOND(B)	TOTAL	BOND(A)	BOND(B)	TOTAL	
0	1000	0	0	0	0	0	0
1	1000	0	0	0	0	0	0
2	1000	0	0	0	0	0	0
3	1000	0	0	0	0	0	0
4	1000	0	0	0	0	0	0
5	1000	0	0	0	0	0	0
6	1000	0	0	597.0	0	597.0	597.0
7	1000	0	0	1934.2	0	1934.2	1934.2
8	1000	0	0	5545.1	156.4	5701.5	5701.5
9	1000	0	0	10771.2	424.4	11195.6	11195.6
10	1000	0	0	14959.8	736.1	15695.9	15695.9
11	1000	0	0	16162.1	1123.9	17286.0	17286.0
12	1000	185.1	145.1	16162.1	1123.9	17286.0	17471.1
13	1000	626.5	628.5	16162.1	1123.9	17286.0	17895.8
14	1000	1845.5	1846.5	16162.1	1123.9	17286.0	19099.3
15	1000	3752.1	3753.1	16162.1	1123.9	17286.0	20870.2
16	1000	5638.5	5639.5	16162.1	1123.9	17286.0	22327.7
17	1000	6877.5	6878.5	16162.1	1123.9	17286.0	22884.2
18	1000	7440.1	7441.1	16162.1	1123.9	17286.0	22809.3
19	1000	9730.0	9731.0	16162.1	1123.9	17286.0	22734.3
20	1000	11570.2	11571.2	16162.1	1123.9	17286.0	22659.4
21	1000	12241.0	12242.0	16162.1	1123.9	17286.0	22584.5
22	1000	12735.2	12736.2	16162.1	1123.9	17286.0	22509.6
23	1000	13174.6	13175.6	16162.1	1123.9	17286.0	22434.7
24	1000	13570.0	13571.0	16162.1	1123.9	17286.0	22359.8
25	1000	13921.7	13922.7	16162.1	1123.9	17286.0	22284.9
26	1000	14239.7	14240.7	16162.1	1123.9	17286.0	22209.9
27	1000	14524.0	14525.0	16162.1	1123.9	17286.0	22135.0
28	1000	14784.7	14785.7	16162.1	1123.9	17286.0	22060.1
29	1000	15021.7	15022.7	16162.1	1123.9	17286.0	21985.2
30	1000	15235.0	15236.0	16162.1	1123.9	17286.0	21910.3
31	1000	15424.6	15425.6	16162.1	1123.9	17286.0	21835.4
32	1000	15590.5	15591.5	16162.1	1123.9	17286.0	21760.5
33	1000	15732.7	15733.7	16162.1	1123.9	17286.0	21685.6
34	1000	15851.2	15852.2	16162.1	1123.9	17286.0	21610.7
35	1000	15946.0	15947.0	16162.1	1123.9	17286.0	21535.8
TOTAL	10000	11629.1	11551.1	22060.1	15734.6	23635.2	351846.0

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

(Unit 10⁶ Rp)

YEAR	(1) LOAN	(2)	(3) EXPENDITURE				(2)-(3)	(4) TEMPORARY LOAN		TOTAL
	REPAYMENT	REVENUE	MAINTN.	OPERAT.	TAX	TOTAL		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	597.0	0.	0.	0.	0.	0.	-597.0	-80.0	-677.0
6	1986	1934.2	0.	0.	0.	0.	0.	-2611.8	-352.6	-2964.4
7	1987	5877.3	0.	0.	0.	0.	0.	-8861.6	-1193.6	-10055.3
8	1988	11656.1	0.	0.	0.	0.	0.	-21691.4	-2928.3	-24619.7
9	1989	16469.5	0.	0.	0.	0.	0.	-41089.2	-5547.0	-46636.2
10	1990	16427.9	0.	0.	0.	0.	0.	-65064.2	-8783.7	-73847.8
11	1991	20132.9	24135.0	3684.0	3465.0	0.	7349.0	16786.0	-77196.7	-100569.3
12	1992	20264.3	27503.0	4126.0	4104.0	0.	8230.0	19273.0	-88607.3	-11962.0
13	1993	24868.3	30873.0	4621.0	4597.0	0.	9218.0	21655.0	-103782.6	-14010.7
14	1994	27937.2	34240.0	5175.0	5148.0	0.	10323.0	23917.0	-121813.5	-16866.8
15	1995	29562.2	60172.0	5997.0	5766.0	5714.0	17277.0	42895.0	-124925.5	-141790.5
16	1996	36240.6	65540.0	6492.0	6458.0	4940.8	17840.8	47699.2	-130331.9	-17594.8
17	1997	34580.3	70948.0	7271.0	7233.0	5949.1	20643.1	50684.9	-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	35362.6	141564.0	10215.0	10162.0	25747.3	46124.3	95439.7	-92251.1	-12453.9
21	2001	34926.8	145165.0	11441.0	11382.0	26215.6	49038.6	96126.6	-43515.4	-5827.3
22	2002	33764.8	148759.0	12814.0	12747.0	26828.8	52389.8	96369.2	13187.8	0.
23	2003	31611.0	152360.0	14352.0	14277.0	27636.0	54265.0	96095.0	77671.8	0.
24	2004	24244.3	154955.0	16074.0	15996.0	29294.0	61358.0	94597.0	146024.5	0.
25	2005	19618.8	263880.0	18003.0	17909.0	62804.8	98716.8	165163.2	292568.9	0.
26	2006	11613.8	269825.0	20163.0	20058.0	65397.1	105618.1	164206.9	443162.1	0.
27	2007	9199.0	275781.0	22583.0	22465.0	64460.2	111508.2	164272.8	600235.9	0.
28	2008	6764.8	281725.0	25293.0	25161.0	67351.9	117805.9	165919.1	757390.2	0.
29	2009	6458.2	287081.0	28328.0	28180.0	67414.4	121922.4	163758.6	914690.0	0.
30	2010	6095.2	477495.0	31728.0	31562.0	122583.0	185873.0	292172.0	1200717.5	0.
31	2011	5550.0	487690.0	35535.0	35349.0	123376.8	194260.8	293429.2	1488596.7	0.
32	2012	5158.6	497348.0	39799.0	39591.0	123845.8	203235.8	294132.2	177570.3	0.
33	2013	5025.7	507043.0	44575.0	44342.0	123936.1	212853.1	294209.9	2066754.5	0.
34	2014	3616.0	516140.0	49924.0	49663.0	123881.1	223468.1	292671.9	2355810.4	0.
35	2015	3519.2	842286.0	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	68773.0	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	1992526.9	3303844.9			

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

(Unit 10⁶ Rp)

YEAR	HARBOUR ROAD TOTAL			
	F/C	L/C	LAID AG.	S-TOTAL
0	1980	0	0	0
1	1981	0	0	0
2	1982	0	0	0
3	1983	2019	2153	4172
4	1984	1681	5366	7047
5	1985	0	47300	42300
6	1986	8053	19393	27446
7	1987	16171	30367	46538
8	1988	23782	64435	88217
9	1989	20435	50044	70479
10	1990	30847	39305	70152
11	1991	40821	55724	96545
12	1992	13409	24411	37820
13	1993	15962	31000	46962
TOTAL		174100	306998	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	11679.8	0.	38766.0	7189.8	0.	7189.8	12203.2
6 1986	10415.3	4463.7	0.	14879.0	13602.0	0.	13602.0	16765.0
7 1987	0.	0.	0.	0.	20949.0	0.	20949.0	45486.0
8 1988	33980.0	20388.0	0.	54368.0	11218.4	3418.6	14637.0	35407.0
9 1989	24397.5	14638.5	3139.2	42175.2	15722.0	7861.0	23583.0	15722.0
10 1990	0.	0.	6177.4	6177.4	22289.6	11144.8	33434.4	22289.6
11 1991	0.	0.	8164.2	8164.2	9964.4	4982.2	14946.6	9964.4
12 1992	0.	0.	2681.8	2681.8	12400.0	6200.0	18600.0	12400.0
13 1993	0.	0.	3188.4	3188.4				
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)	TOTAL	INTE'L FINANCE (A)	BOND(B)	TOTAL	
0 1981	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.	55.5	0.	55.5	55.5
4 1984	0.	0.	0.	101.8	0.	101.8	101.8
5 1985	0.	0.	0.	101.8	0.	101.8	101.8
6 1986	0.	0.	0.	274.1	174.6	448.7	448.7
7 1987	0.	0.	0.	585.4	489.9	1075.3	1075.3
8 1988	0.	0.	0.	1043.2	953.7	1996.9	1996.9
9 1989	0.	0.	0.	1350.2	1352.1	2702.3	2702.3
10 1990	0.	0.	0.	1774.9	1954.6	3729.5	3729.5
11 1991	0.	0.	0.	2336.2	2750.5	5086.7	5086.7
12 1992	185.0	775.3	960.3	2515.5	2961.5	5477.0	5477.0
13 1993	185.0	1072.9	1257.9	2729.6	3202.7	5932.3	5932.3
14 1994	185.0	1072.9	1257.9	2726.5	3132.9	5859.4	5859.4
15 1995	1541.8	2432.1	3973.9	2682.1	2974.8	5656.9	5656.9
16 1996	2062.6	3408.0	5470.6	2625.4	2753.3	5378.7	5378.7
17 1997	2062.6	3408.0	5470.6	2568.7	2531.8	5100.5	5100.5
18 1998	3761.6	3408.0	7169.6	2465.3	2310.3	4775.6	4775.6
19 1999	4981.5	3408.0	8389.5	2328.3	2088.8	4417.1	4417.1
20 2000	4981.5	3408.0	8389.5	2191.3	1867.2	4058.5	4058.5
21 2001	4981.5	3408.0	8389.5	2054.3	1645.7	3700.0	3700.0
22 2002	4981.5	3408.0	8389.5	1917.3	1424.2	3341.5	3341.5
23 2003	4981.5	3408.0	8389.5	1780.3	1202.7	2983.0	2983.0
24 2004	4981.5	3408.0	8389.5	1643.3	981.2	2624.5	2624.5
25 2005	4981.5	3408.0	8389.5	1506.3	759.6	2265.9	2265.9
26 2006	4981.5	3408.0	8389.5	1369.3	538.1	1907.4	1907.4
27 2007	4981.5	2632.7	7614.2	1232.3	367.0	1599.3	1599.3
28 2008	4981.5	2335.1	7316.6	1095.4	215.2	1310.6	1310.6
29 2009	4981.5	2335.1	7316.6	958.4	63.4	1021.8	1021.8
30 2010	4981.5	975.9	5957.4	821.4	0.	821.4	821.4
31 2011	4981.5	0.	4981.5	684.4	0.	684.4	684.4
32 2012	4796.5	0.	4796.5	552.5	0.	552.5	552.5
33 2013	4796.5	0.	4796.5	420.6	0.	420.6	420.6
34 2014	4796.5	0.	4796.5	288.7	0.	288.7	288.7
35 2015	3439.6	0.	3439.6	194.1	0.	194.1	194.1
36 2016	2918.9	0.	2918.9	113.8	0.	113.8	113.8
37 2017	2918.9	0.	2918.9	33.5	0.	33.5	33.5
38 2018	1219.9	0.	1219.9	0.	0.	0.	0.
TOTAL	99629.0	51120.0	23351.0	47119.6	38695.8	85815.4	85815.4

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

(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.	10665.6	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	277.9	3334.6	17005.6	3337.9	20343.5	23678.1
17 1997	4343.9	752.0	5095.9	16524.1	3262.7	19786.8	24882.0
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	27941.0
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	9665.1	2240.4	11905.5	4873.1	1586.2	6459.3	18344.8
26 2006	8885.1	2240.4	11125.6	3375.0	1382.2	4757.2	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	53600.6	166941.8	239775.4	47049.2	286824.6	433746.4

APP 12 44 REPAYMENT PROGRAM FOR HARBOUR ROAD, CASE 03-3

(Unit 10⁶Rp)

YEAR	(1) LOAN	(2)	(3) EXPENDITURE				(2)-(3)	(4) TEMPORARY LOAN		
	REPAYMENT	REVENUE	MAINTE.	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	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	11735.5	0.	0.	0.	0.	0.	0.	-29650.7	-4002.8	-33653.5
10 1990	16947.0	0.	0.	0.	0.	0.	0.	-50600.5	-6831.1	-57431.6
11 1991	24139.1	0.	0.	0.	0.	0.	0.	-81570.7	-11012.0	-92582.8
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	5768.0	0.	11563.0	48609.0	-215062.7	-29033.5	-244096.2
16 1996	38297.7	65540.0	6492.0	6458.0	0.	12950.0	52610.0	-229783.9	-31020.8	-260804.7
17 1997	30520.9	70948.0	7271.0	7233.0	0.	14504.0	56444.0	-243881.6	-32924.0	-276805.6
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 2001	45150.7	141544.0	88447.0	10162.0	0.	98409.0	42955.0	-349380.8	-47166.4	-396547.2
21 2001	44568.2	125143.0	11441.0	11382.0	0.	22823.0	122342.0	-318773.4	-43034.4	-361807.8
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.	32044.0	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	0.	-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	281725.0	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	814968.4	0.	814968.4
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	497348.0	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.	88917.0	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.	111518.0	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	888776.0	78557.0	78146.0	0.	156703.0	732073.0	5783501.9	0.	5783501.9
TOTAL	743083.9	8460043.0	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	BOND(A)	TOTAL	INTE'L FINANCE	BOND(A)	TOTAL			
	(A)	(B)		(A)	(B)				
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	3927.6		
13 1993	185.0	1072.9	1257.9	91.6	925.9	3619.4	4636.9		
14 1994	185.0	1072.9	1257.9	86.5	856.2	3619.4	4562.1		
15 1995	154.6	2432.1	3973.9	790.3	2023.3	3619.4	6433.1		
16 1996	2062.6	3408.0	5471.5	1020.0	2753.3	3619.4	7392.8		
17 1997	2062.6	3408.0	5471.5	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	7794.8		
20 2000	4981.5	3408.0	8389.5	2191.3	1867.2	3190.2	7248.7		
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	5334.1		
24 2004	4981.5	3408.0	8389.5	1643.3	981.2	1980.5	4665.0		
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	2617.7	7599.2	1232.3	367.0	586.1	2185.4		
28 2008	4981.5	2335.1	7316.6	1095.4	215.2	255.2	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.	871.4		
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	23351.0	174100.0	26028.1	23259.6	49692.1	98649.8	212789.8

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	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	26082.6
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	27842.8
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	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	3448.4
30 2010	0.	2240.4	2240.4	0.	466.0	466.0	7706.4
31 2011	0.	2012.5	2012.5	0.	264.7	264.7	2777.3
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	433766.4

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	MAINTN.	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	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	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
6	1986	1114.4	0.	0.	0.	0.	0.	-1114.4	-150.4	-1264.9	0.	
7	1987	3222.7	0.	0.	0.	0.	0.	-4487.6	-605.8	-5093.4	0.	
8	1988	6469.8	0.	0.	0.	0.	0.	-11563.2	-1561.0	-13124.3	0.	
9	1989	9037.1	0.	0.	0.	0.	0.	-22161.4	-2991.8	-25153.2	0.	
10	1990	13217.6	0.	0.	0.	0.	0.	-38370.8	-5180.1	-43550.9	0.	
11	1991	19052.4	0.	0.	0.	0.	0.	-62603.3	-8451.4	-71054.7	0.	
12	1992	23273.3	0.	0.	0.	0.	0.	-94328.1	-12734.3	-107062.4	0.	
13	1993	27168.0	0.	0.	0.	0.	0.	-134230.4	-18121.1	-152351.5	0.	
14	1994	27746.9	34240.0	5175.0	5148.0	0.	10323.0	23917.0	-156181.4	-21084.5	-177265.9	
15	1995	33340.8	60172.0	5797.0	5766.0	0.	11583.0	49609.0	-161997.7	-21869.7	-183867.4	
16	1996	36692.3	65580.0	6492.0	6458.0	0.	12950.0	52610.0	-167949.7	-22673.2	-190622.9	
17	1997	37915.5	70948.0	7271.0	7233.0	0.	14504.0	56444.0	-172094.4	-23232.7	-195327.2	
18	1998	42281.2	76340.0	8144.0	8101.0	0.	16245.0	60095.0	-177513.4	-23964.3	-201477.7	
19	1999	44570.7	81728.0	39257.0	9073.0	0.	48330.0	33398.0	-212650.4	-28707.8	-241358.2	
20	2000	45150.7	141564.0	88447.0	10162.0	0.	98609.0	42955.0	-243553.9	-32879.8	-276433.7	
21	2001	44568.2	145165.0	11441.0	11382.0	0.	22823.0	122342.0	-198659.9	-26819.1	-225479.0	
22	2002	43985.6	148759.0	12814.0	12747.0	0.	25541.0	123198.0	-146266.6	-19746.0	-166012.6	
23	2003	41943.1	152360.0	14352.0	14277.0	0.	28629.0	123731.0	-84224.7	-11370.3	-95595.0	
24	2004	38598.5	155955.0	16074.0	15990.0	0.	32064.0	123891.0	-10302.5	-1390.8	-11693.3	
25	2005	33762.0	263880.0	18003.0	17909.0	0.	35912.0	227968.0	182512.7	0.	182512.7	
26	2006	30263.9	269825.0	20163.0	20058.0	0.	40221.0	229604.0	381852.8	0.	381852.8	
27	2007	24509.5	275781.0	22583.0	22465.0	0.	45048.0	239733.0	588076.4	0.	588076.4	
28	2008	17515.0	281725.0	25293.0	25161.0	0.	50454.0	231271.0	801832.3	0.	801832.3	
29	2009	14434.2	287681.0	28328.0	28180.0	0.	54508.0	231173.0	1018571.1	0.	1018571.1	
30	2010	9485.1	477995.0	31728.0	31562.0	0.	63290.0	416705.0	1423791.0	0.	1423791.0	
31	2011	7943.1	487600.0	35535.0	35369.0	0.	70884.0	416806.0	1832653.9	0.	1832653.9	
32	2012	6953.3	497368.0	39799.0	39591.0	0.	79390.0	417978.0	2243678.4	0.	2243678.4	
33	2013	6003.8	507063.0	44575.0	44342.0	0.	88917.0	418146.0	2655820.8	0.	2655820.8	
34	2014	5494.5	516140.0	49924.0	49663.0	0.	99587.0	416553.0	3066875.3	0.	3066875.3	
35	2015	3633.7	842296.0	55915.0	55623.0	0.	111538.0	739758.0	3793999.6	0.	3793999.6	
36	2016	3032.7	857780.0	62625.0	62298.0	0.	124923.0	732857.0	4523823.9	0.	4523823.9	
37	2017	2952.4	873292.0	70140.0	69773.0	0.	139913.0	733379.0	5254250.4	0.	5254250.4	
38	2018	1219.9	888776.0	78557.0	78146.0	0.	156703.0	732073.0	5985103.6	0.	5985103.6	
TOTAL		706556.2	8460083.0	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	0
1	1981	0	0	0	0
2	1982	766	753	0	1519
3	1983	2193	5314	3160	7507
4	1984	952	32741	31860	33693
5	1985	5765	29335	22916	35100
6	1986	12683	46917	32538	59600
7	1987	24604	35505	7607	60111
8	1988	52589	54556	0	107145
9	1989	48300	46815	0	95115
10	1990	52589	50022	0	102611
TOTAL		200443	301958	98171	502401

APP 12.49 FINANCING PLAN, CASE 103-6

(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.	3314.0
4 1984	31633.0	13556.4	45189.4	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	6118.2	5731.8	11849.9	21822.6
9 1989	0.	0.	8444.4	8444.4	20186.4	28630.8	18726.0
10 1990	0.	0.	10517.8	10517.8	20008.8	30526.6	20008.8
TOTAL	114941.8	58959.6	265441.6	200443.0	94796.2	295239.2	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	1735.8
8 1988	0.	0.	0.	1740.2	1865.0	3605.2	3605.2
9 1989	0.	0.	0.	2437.8	2806.9	5244.7	5244.7
10 1990	0.	0.	0.	3140.9	3832.4	6973.3	6973.3
11 1991	195.5	903.8	1099.3	3155.5	3773.6	6929.1	12162.4
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	3480.2	3930.6	7410.8	2945.3	2280.4	5225.7	18258.7
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	19995.0
19 1999	5747.1	3930.6	9677.7	2471.2	2012.9	4484.1	19371.4
20 2000	5747.1	3930.6	9677.7	2313.1	1777.4	4090.5	18744.4
21 2001	5747.1	3930.6	9677.7	2155.1	1521.9	3677.0	18133.8
22 2002	5747.1	3930.6	9677.7	1997.0	1266.5	3263.5	17530.8
23 2003	5747.1	3930.6	9677.7	1839.0	1011.0	2850.0	16917.3
24 2004	5747.1	3930.6	9677.7	1680.9	755.5	2436.4	16207.0
25 2005	5747.1	3930.6	9677.7	1522.9	500.0	2022.9	15551.1
26 2006	5747.1	3024.9	8772.0	1364.8	303.2	1668.0	14577.8
27 2007	5747.1	3024.9	8772.0	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	6479.8
31 2011	5551.5	0.	5551.5	580.0	0.	580.0	6131.5
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	265441.6	53808.2	44142.4	97950.6	354565.7

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

(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.	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	1013.3	5420.2	13880.9	2359.9	16240.9	21661.1
17 1997	6051.7	1480.2	7532.0	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	1319.8	9999.6	22449.6
22 2002	11657.1	1680.2	13337.3	6810.5	1351.8	8162.3	21499.5
23 2003	11212.0	1680.2	13392.2	5003.6	1183.8	6187.4	19379.6
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	867.7	2435.2	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	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.12.52 REPAYMENT PROGRAM FOR HARBOUR ROAD, CASE 03-6

(Unit 10⁶Rp)

YEAR	REPAYMENT	REVENUE	(3) EXPENDITURE				TOTAL	(4) TEMPORARY LOAN		TOTAL
			MAINT.	OPERAT.	TAX	(2)-(3)		LOAN	INTEREST	
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	21.1	0.	0.	0.	0.	0.	0.	-21.1	-2.8	-23.9
3 1983	81.4	0.	0.	0.	0.	0.	0.	-105.3	-14.2	-119.5
4 1984	107.6	0.	0.	0.	0.	0.	0.	-227.0	-30.7	-257.7
5 1985	927.9	0.	0.	0.	0.	0.	0.	-1185.6	-160.1	-1345.7
6 1986	2756.6	0.	0.	0.	0.	0.	0.	-4102.3	-553.8	-4656.1
7 1987	6396.5	0.	0.	0.	0.	0.	0.	-11052.6	-1492.1	-12544.7
8 1988	13972.9	0.	0.	0.	0.	0.	0.	-26517.6	-3579.9	-30097.5
9 1989	20840.3	0.	0.	0.	0.	0.	0.	-50937.8	-6876.6	-57814.4
10 1990	28321.0	0.	0.	0.	0.	0.	0.	-86135.3	-11628.3	-97763.6
11 1991	39356.1	24135.0	3684.0	3645.0	0.	7349.0	16784.0	-110333.7	-14895.1	-125228.8
12 1992	29477.1	27503.0	4126.0	4104.0	0.	8230.0	19273.0	-135432.9	-18283.4	-153716.4
13 1993	31126.0	30873.0	4621.0	4597.0	0.	9218.0	21655.0	-163187.4	-22030.3	-185217.7
14 1994	34932.3	34240.0	5175.0	5148.0	0.	10323.0	23917.0	-196233.0	-26491.5	-222724.5
15 1995	36533.3	60172.0	5797.0	5766.0	0.	11563.0	48609.0	-210668.7	-28440.3	-239109.0
16 1996	39919.8	65540.0	6492.0	6458.0	0.	12950.0	52610.0	-226418.8	-30566.5	-256985.3
17 1997	43520.2	70948.0	7271.0	7233.0	0.	14504.0	56444.0	-246041.6	-32948.3	-277000.9
18 1998	42938.7	76340.0	8144.0	8101.0	0.	16245.0	60995.0	-259853.5	-35080.2	-294933.8
19 1999	42357.1	81728.0	39257.0	9673.0	0.	48330.0	33998.0	-303892.9	-41025.5	-344918.4
20 2000	41775.6	141564.0	88447.0	10162.0	0.	98409.0	42955.0	-343739.0	-46404.8	-390143.8
21 2001	41194.0	145165.0	11441.0	11382.0	0.	22823.0	122362.0	-308995.8	-41714.4	-350710.2
22 2002	39830.4	148759.0	12814.0	12747.0	0.	25561.0	121198.0	-267362.5	-36091.2	-303453.8
23 2003	37496.9	152360.0	14352.0	14277.0	0.	28629.0	123731.0	-217199.7	-29322.0	-246521.6
24 2004	33548.2	155955.0	16074.0	15990.0	0.	32064.0	125891.0	-156178.9	-21084.1	-177263.0
25 2005	26241.2	263880.0	18003.0	17909.0	0.	35912.0	227968.0	24463.8	0.	24463.8
26 2006	19000.8	269823.0	20163.0	20058.0	0.	40221.0	229604.0	235067.0	0.	235067.0
27 2007	12279.2	275781.0	22583.0	22463.0	0.	45048.0	237733.0	453520.8	0.	453520.8
28 2008	10458.0	281725.0	25293.0	25161.0	0.	50454.0	231271.0	674333.8	0.	674333.8
29 2009	8399.8	287681.0	28328.0	28190.0	0.	56508.0	231173.0	897107.0	0.	897107.0
30 2010	7760.3	477905.0	31728.0	31562.0	0.	63290.0	147795.0	1304071.7	0.	1304071.7
31 2011	6798.5	487690.0	35535.0	35349.0	0.	70884.0	146806.0	1714079.2	0.	1714079.2
32 2012	5978.9	497368.0	39799.0	39591.0	0.	79190.0	147678.0	2126078.4	0.	2126078.4
33 2013	5826.4	507063.0	44575.0	44342.0	0.	88917.0	148166.0	2538398.2	0.	2538398.2
34 2014	4135.4	516140.0	49924.0	49643.0	0.	99587.0	148553.0	2950815.7	0.	2950815.7
35 2015	4026.3	842296.0	55915.0	55623.0	0.	111538.0	733758.0	3677567.4	0.	3677567.4
36 2016	2047.9	857780.0	62625.0	62298.0	0.	124973.0	732877.0	4408356.6	0.	4408356.6
37 2017	0.	873292.0	70140.0	69773.0	0.	139913.0	733379.0	5147135.6	0.	5147135.6
38 2018	0.	868776.0	78557.0	78146.0	0.	156793.0	732073.0	5873808.6	0.	5873808.6
TOTAL	710383.5	8542594.0	810863.0	698823.0	0.	159686.0				

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

(Unit: 10⁶ Rp)

HARBOUR ROAD TOTAL					
YEAR	F/C	L/C	LAND ACQ.	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.12.54 FINANCING PLAN, CASE 03-7

(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.
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	0.	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		BOND(A)	TOTAL	INT'L FINANCE		BOND(A)			
	(A)	(B)			(A)	(B)				
0	1981	0.	0.	0.	0.	0.	0.	0.		
1	1981	0.	0.	0.	0.	0.	0.	0.		
2	1982	0.	0.	0.	19.9	0.	0.	19.9		
3	1983	0.	0.	0.	75.1	0.	0.	75.1		
4	1984	0.	0.	0.	98.3	0.	0.	98.3		
5	1985	0.	0.	0.	167.3	97.9	153.7	420.9		
6	1986	0.	0.	0.	315.0	307.4	488.7	1111.2		
7	1987	0.	0.	0.	562.2	693.9	1370.0	2608.1		
8	1988	0.	0.	0.	915.8	1504.9	1765.2	6186.0		
9	1989	0.	0.	0.	1157.4	2272.8	6398.0	9778.2		
10	1990	0.	0.	0.	1370.6	2978.4	9401.2	13750.3		
11	1991	178.6	740.2	0.	1365.6	2979.7	9401.2	14625.5		
12	1992	178.6	750.2	48.3	1360.7	2980.9	9401.2	14620.1		
13	1993	178.6	1784.5	159.0	1355.8	2764.9	9393.8	15634.7		
14	1994	1116.4	3054.8	456.9	1325.1	2566.4	9369.1	17888.8		
15	1995	1116.4	3054.8	1270.5	1294.4	2367.8	9298.3	19402.3		
16	1996	1856.8	3054.8	2283.8	1243.4	2169.2	9101.4	19709.3		
17	1997	2491.9	3054.8	3569.0	1174.8	1970.7	8747.4	21008.7		
18	1998	2491.9	3054.8	4122.2	1106.3	1772.1	8194.2	20741.6		
19	1999	2491.9	3054.8	4761.2	1037.8	1573.5	7555.2	20474.5		
20	2000	2491.9	3054.8	5499.2	969.2	1375.0	6817.2	20207.4		
21	2001	2491.9	3054.8	6351.6	900.7	1176.4	5964.9	19940.3		
22	2002	2491.9	3054.8	7132.1	832.2	977.9	4980.4	19469.3		
23	2003	2491.9	3054.8	7801.3	763.7	779.3	3874.9	18765.9		
24	2004	2491.9	3054.8	7855.9	695.1	580.7	2665.7	17344.3		
25	2005	2491.9	3054.8	5935.6	626.6	382.2	1448.0	15939.1		
26	2006	2491.9	2304.6	3406.5	558.1	232.4	528.0	9521.5		
27	2007	2491.9	2304.6	0.	489.5	82.6	0.	572.1		
28	2008	2491.9	1270.3	0.	3762.2	421.0	0.	421.0		
29	2009	2491.9	0.	0.	2491.9	352.5	0.	352.5		
30	2010	2491.9	0.	0.	2491.9	284.0	0.	284.0		
31	2011	2313.3	0.	0.	2313.3	220.3	0.	220.3		
32	2012	2313.3	0.	0.	2313.3	156.7	0.	156.7		
33	2013	2313.3	0.	0.	2313.3	93.1	0.	93.1		
34	2014	1375.5	0.	0.	1375.5	55.3	0.	55.3		
35	2015	1375.5	0.	0.	1375.5	17.5	0.	17.5		
36	2016	635.1	0.	0.	635.1	0.	0.	0.		
TOTAL		49838.5	45822.3	60653.2	156314.0	23361.2	34389.0	128319.7	186069.9	342383.9

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.	
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.	4320.4	234.7	4755.0	
8	1988	0.	0.	0.	9594.1	1094.4	10688.5	
9	1989	0.	0.	0.	13947.9	2279.8	16227.7	
10	1990	0.	0.	0.	18599.9	3780.5	22380.4	
11	1991	0.	0.	0.	18599.9	3780.5	22380.4	
12	1992	185.1	0.	185.1	18599.9	3780.5	22380.4	
13	1993	628.5	0.	628.5	18571.2	3780.5	22380.4	
14	1994	1527.8	156.4	1684.2	18473.8	3764.8	22238.6	
15	1995	3337.9	729.6	4067.5	18237.0	3691.9	21928.9	
16	1996	5205.3	1519.9	6725.2	17719.6	3539.9	21259.5	
17	1997	7436.0	2520.3	9956.3	16912.8	3287.9	20200.7	
18	1998	8610.1	2520.3	11130.4	15757.3	3035.8	18793.2	
19	1999	9944.7	2520.3	12465.0	14422.8	2783.8	17206.6	
20	2000	11486.1	2520.3	14006.4	12881.3	2531.8	15413.1	
21	2001	13286.4	2520.3	15786.8	11101.0	2279.7	13380.7	
22	2002	14540.7	2520.3	17061.0	9044.7	2027.7	11072.4	
23	2003	15042.6	2520.3	17562.9	6790.9	1775.7	8566.6	
24	2004	13986.1	2520.3	16506.4	4439.3	1523.6	5962.9	
25	2005	9506.9	2520.3	12027.3	2291.5	1271.6	3563.1	
26	2006	5276.7	2520.3	7797.0	817.9	1019.6	1837.5	
27	2007	0.	2520.3	2520.3	0.	767.5	767.5	
28	2008	0.	2520.3	2520.3	0.	515.5	515.5	
29	2009	0.	2363.9	2363.9	0.	279.1	279.1	
30	2010	0.	1790.7	1790.7	0.	100.0	1890.7	
31	2011	0.	1000.4	1000.4	0.	0.0	1000.4	
TOTAL		119999.4	37804.8	157804.2	253874.3	52926.7	306801.1	466605.3

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

(Unit 10⁶Rp)

YEAR	(1) LOAN	(2)	(3) EXPENDITURE				(2)-(3)	(4) TEMPORARY LOAN		
	REPAYMENT	REVENUE	MAINTEN.	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	-27.6
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.	-12436.0	-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	26115.0	3684.0	3665.0	0.	7349.0	16780.0	-14004.1	-18905.5
12	1992	37185.5	27503.0	4126.0	4106.0	0.	8230.0	19273.0	-176859.2	-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	-3572.4
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.	14504.0	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	49624.9	141564.0	88447.0	10162.0	0.	98609.0	42955.0	-556240.7	-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	123198.0	-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	-73588.0
25	2005	29529.5	263840.0	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	8656.3	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	132756.0	0.
29	2009	5487.4	287681.0	28328.0	28180.0	0.	56508.0	231173.0	358442.2	0.
30	2010	4466.6	477995.0	31728.0	31562.0	0.	61290.0	414705.0	768480.6	0.
31	2011	3534.1	487690.0	35535.0	35349.0	0.	70884.0	416806.0	1181752.5	0.
32	2012	2470.0	497368.0	39799.0	39591.0	0.	79590.0	417978.0	1597260.5	0.
33	2013	2406.4	507063.0	44575.0	44362.0	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	1302.9	542206.0	55915.0	55623.0	0.	111538.0	730758.0	3157487.4	0.
36	2016	0.35	857780.0	62625.0	62988.0	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.	154703.0	732073.0	5355161.3	0.
TOTAL		806989.2	8342594.0	810863.0	698823.0	0.	1509886.0			

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 part of Kel. Penjaringan and a part 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 "Penjariugan 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".

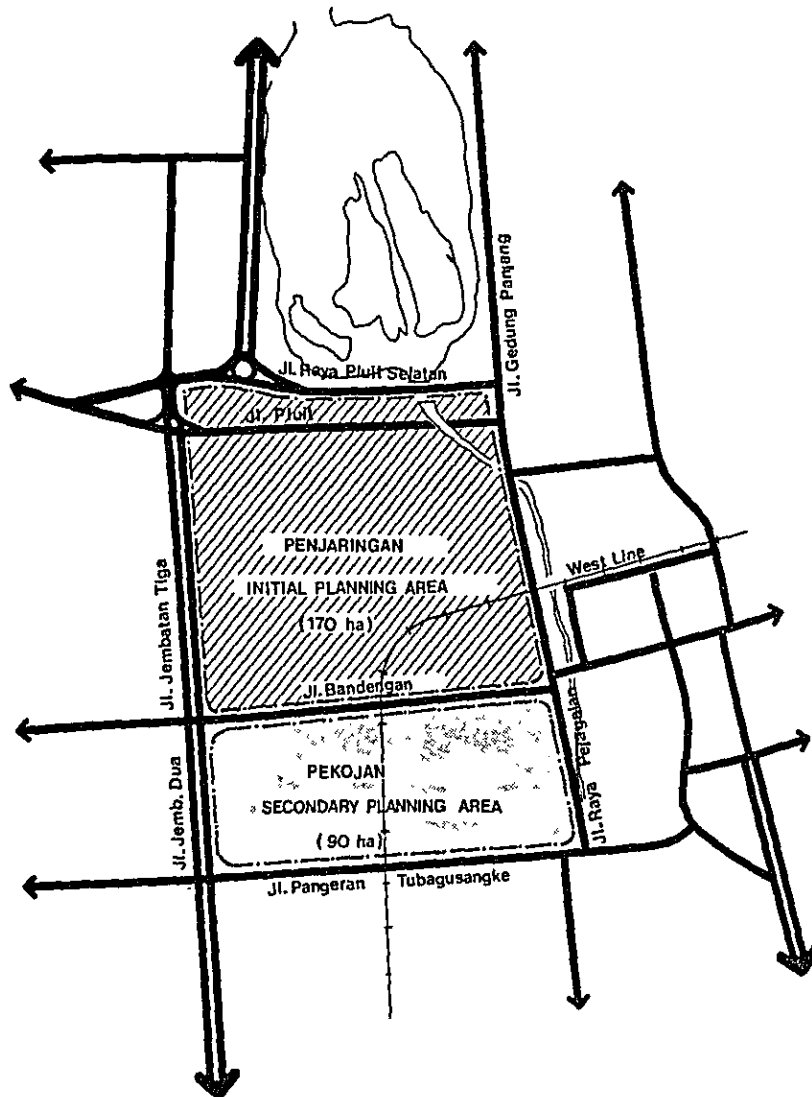


Fig. 13.1 Planning Redeveloped Area

(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.

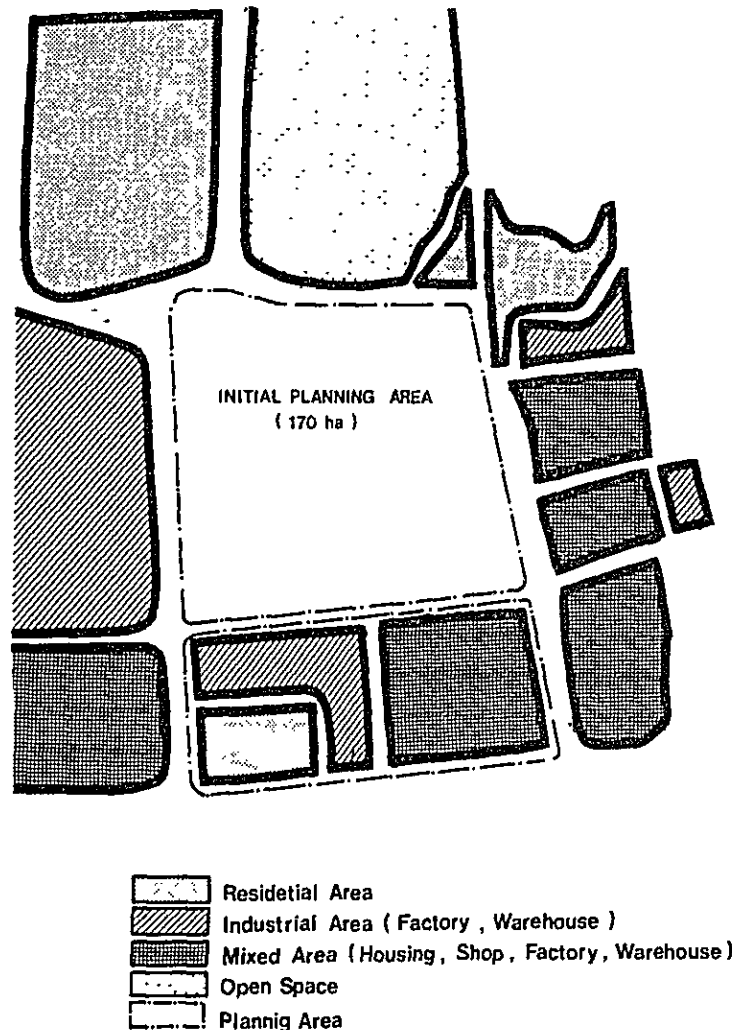


Fig. 13.2 Characteristics of Existing Landuse in Surrounding Area

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:

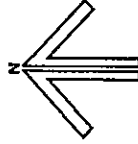
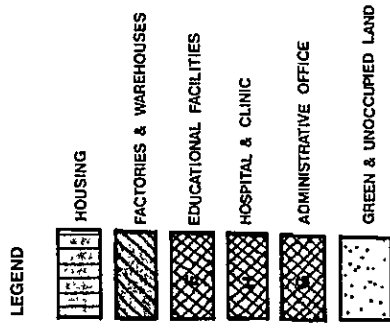
- 1) Few open spaces functioning as a living environmental factor;
- 2) Many undeveloped feeder roads without passing through;
- 3) Many irregular shaped lands divided by railway, river and road;
- 4) Inefficient land use;
- 5) Many timeworn houses and buildings.

Table 13.1 Landuse Composition in Initial Planning Area

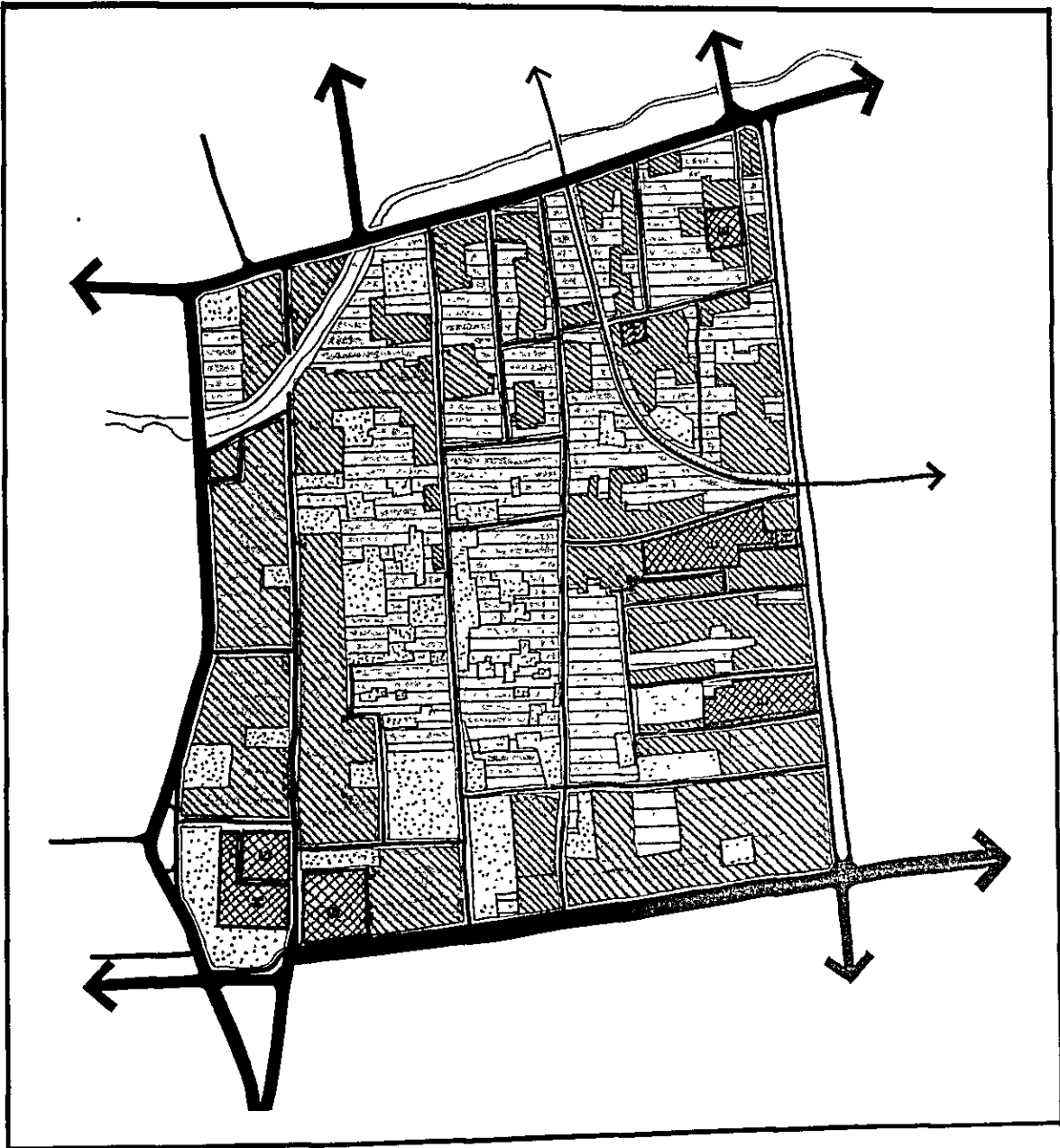
Land Use	Area	Composition
Housing Area	48.2 ha	28.4 %
Industrial Area (Factories/Warehouse)	60.5	35.6
Public Facilities (School, Hospital, Administrative Office, etc.)	11.5	6.8
Road and Railway	8.5	5.0
Unoccupied land, Green, River, etc.	41.3	24.3
Total	170.0	100.0

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

Fig. 13.3
EXISTING LAND USE
IN INITIAL PLANNING
AREA



JAKARTA
 HARBOUR ROAD
 PROJECT



(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.

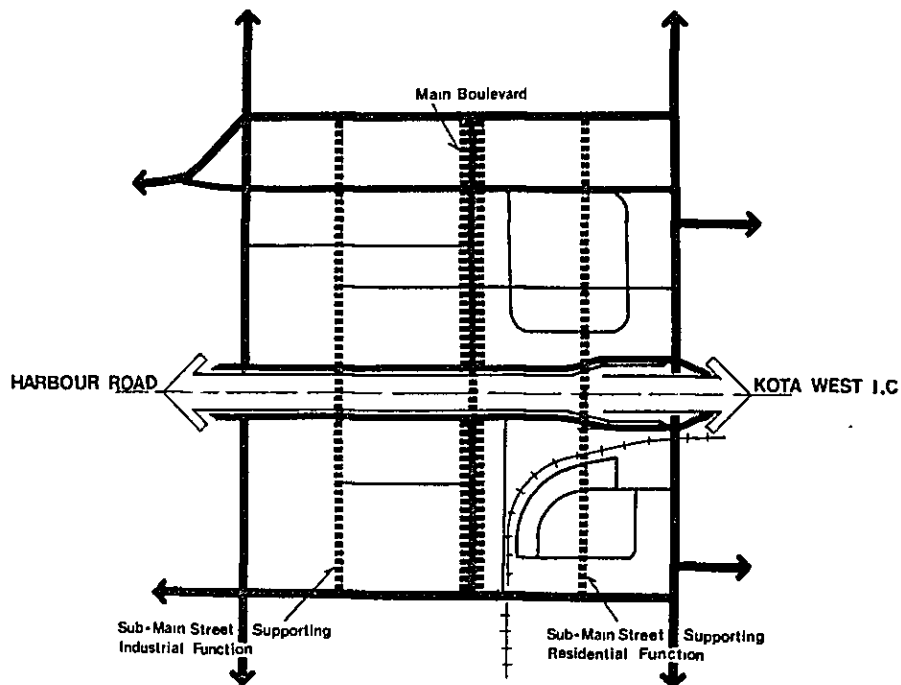


Fig. 13.4 Conceptual Scheme on Streets Composition

(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.

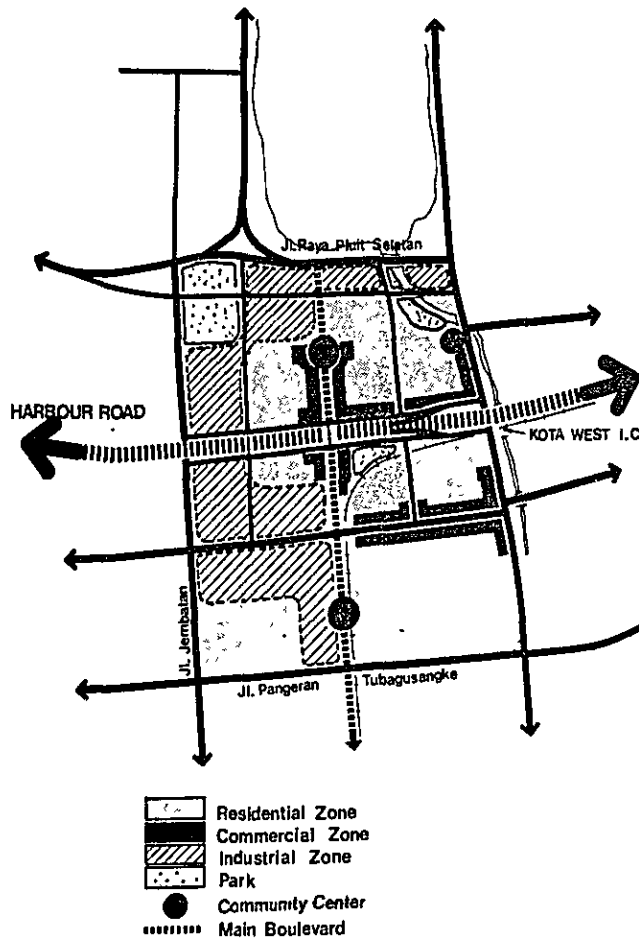
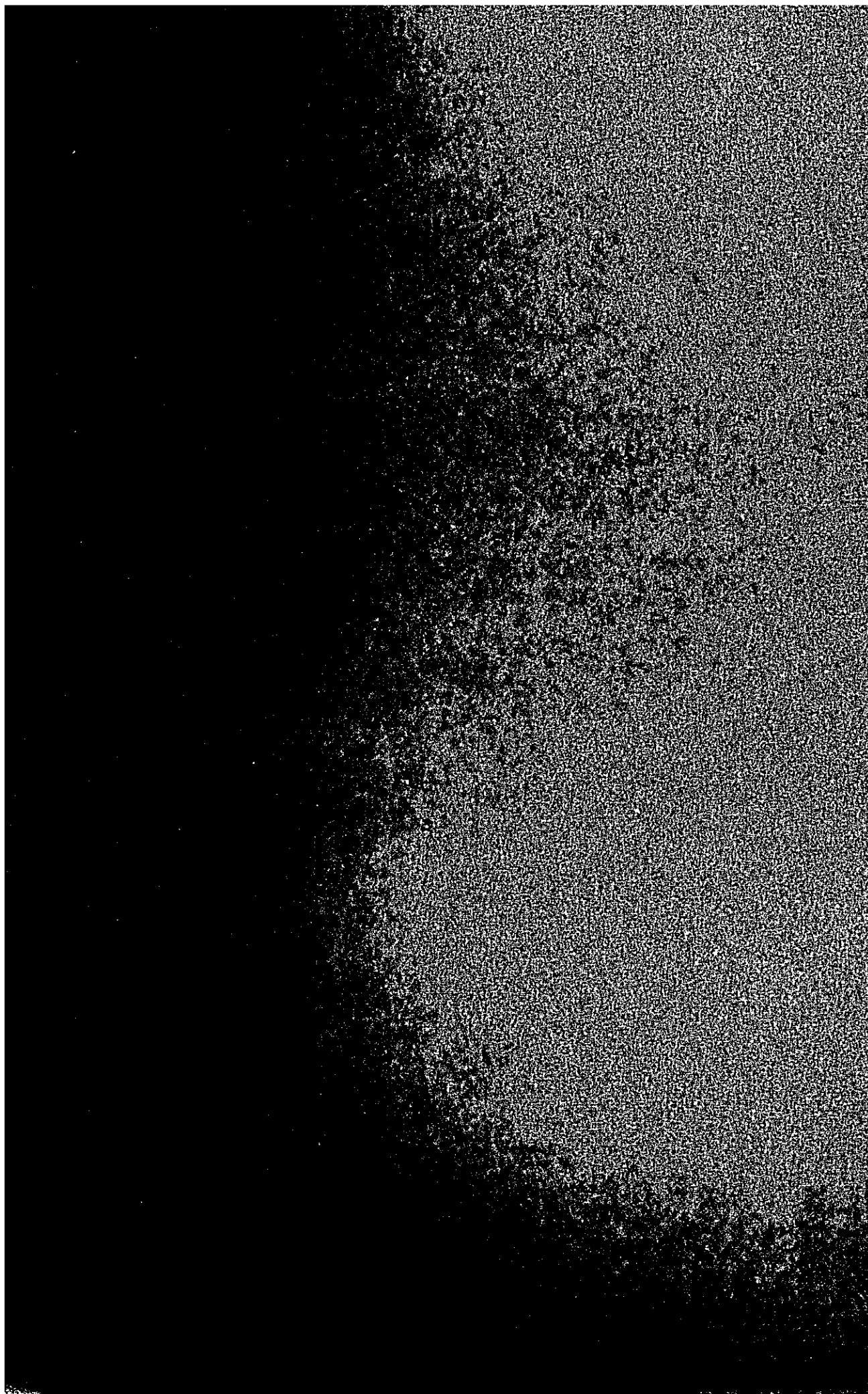


Fig. 13.5 Conceptual Scheme on Planning Landuse

(5) Masterplan

Masterplan for redevelopment in Penjarangan 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 Penjarangan" 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.



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