

Table 5.2.2 (5/7) PAYMENT ITEMS AND THE COSTS FOR PACKAGE-2

ID No.	Item No.	BQ Item	Unit	Quantity	Unit Cost (rupiah)			Initial Cost (million rupiah)			Total
					PF/C	IF/C	L/C	PF/C	IF/C	L/C	
R-P2-Bq-167	H.2.5	Bituminous Surface Course, 50mm thick	ton	48	10,740	4,120	18,540	515,520	197,760	889,920	1,603,200
R-P2-Bq-168	I	Miscellaneous Work									
R-P2-Bq-169	I.1										
R-P2-Bq-170	I.1.1	Furnishing and Installing Water Level Gage (Pressure Gauge Type) consisting of Pole Type Protective Pipe, sensor, cable and Converter)	set	1	244,974,400	175,500	15,533,300	244,974,400	175,500	15,533,300	260,683,200
R-P2-Bq-171	I.1.2	Furnishing and Installing Water Level Gauging Staff	set	2	13,824,200	235,100	36,643,300	27,648,400	470,200	73,286,600	101,405,200
R-P2-Bq-172	I.1.3	Steel Ladder (with Anti-corrosion Painting)	L.S.	1	2,008,000	471,000	4,146,000	2,008,000	471,000	4,146,000	6,625,000
R-P2-Bq-173	I.1.4	Information Board	L.S.	1	137,800	0	684,400	137,800	0	684,400	822,200
R-P2-Bq-174	I.1.5	Name Plate for Weir and Bridge	L.S.	1	111,200	46,200	506,100	111,200	46,200	506,100	663,500
R-P2-Bq-175	I.1.6	Storage Facility for Temporary Gate	L.S.	1	3,614,900	756,000	10,651,700	3,614,900	756,000	10,651,700	15,022,600
R-P2-Bq-176	I.1.7	Tree Planting (Angsana, Glodogan, Flamboyan)	nos.	11	27,662	150	137,241	304,279	1,650	1,509,653	1,815,582
R-P2-Bq-177	I.1.8	Furnishing and Installing Rain Gage Equipment, Tipping Bucket Type (consisting of Rainfall collector, Tipping Bucket, A/D Converter, Concrete Base, Cables and Automatic Rainfall Recorder)	L.S.	1	17,111,700	0	6,251,600	17,111,700	0	6,251,600	23,363,300
R-P2-Bq-178	I.1.9	Furnishing and Installing Siren	L.S.	1	20,622,200	15,500	6,237,000	20,622,200	15,500	6,237,000	26,874,700
R-P2-Bq-179	J	Electrical Work									
R-P2-Bq-180	J.1										
R-P2-Bq-181	J.1.1	Furnishing and Installing Remote Control Panel for Gate Operation at Operation/Maintenance Office	set	1	618,963,800	1,911,000	65,157,700	618,963,800	1,911,000	65,157,700	686,032,500
R-P2-Bq-182	J.1.2	Cable Laying between Operation/Maintenance Office and Each Control House	L.S.	1	566,461,900	244,598,700	233,943,500	566,461,900	244,598,700	233,943,500	1,045,004,100
R-P2-Bq-183	J.1.3	Furnishing and Installing Emergency Generator System (Diesel Engine Generator Set 250kVA with Radiator cooling system, Silencer, Exhaust system and Fuel System)	set	1	67,726,550	147,000	9,325,240	67,726,550	147,000	9,325,240	77,198,790
R-P2-Bq-184	J.1.4	Furnishing and Installing Air Ventilation	set	1	58,076,700	417,800	16,437,900	58,076,700	417,800	16,437,900	74,932,400
R-P2-Bq-185	J.1.5	Furnishing and Installing Switching Panel	set	1	25,485,260	163,070	5,716,500	25,485,260	163,070	5,716,500	31,364,830
R-P2-Bq-186	J.1.6	Furnishing and Installing Lighting Equipment for Weir and Maintenance Bridge (consisting of Mercury Vapor Lamp 400W)	L.S.	1	7,175,600	405,200	34,875,400	7,175,600	405,200	34,875,400	42,456,200
R-P2-Bq-187	J.1.7	Furnishing and Installing Lighting Protection for Control Houses, 4 sets	L.S.	1	3,057,900	0	15,188,500	3,057,900	0	15,188,500	18,246,400
R-P2-Bq-188	K	Simongan Weir Management Complex									
R-P2-Bq-189	K.1	Entrance Bridge									
R-P2-Bq-190	K.1.1	Demolition and Removal of Existing Concrete and Wet Masonry Structures	m <sup>3</sup>	190	71,146	1,872	56,788	13,517,740	355,680	10,789,720	24,663,140
R-P2-Bq-191	K.1.2	Structural Excavation	m <sup>3</sup>	30	19,700	400	15,360	591,000	12,000	460,800	1,063,800
R-P2-Bq-192	K.1.3	Backfill with Selected Soil	m <sup>3</sup>	12	12,720	770	20,480	152,640	9,240	245,760	407,640
R-P2-Bq-193	K.1.4	Leveling Concrete, Type-B including Formwork	m <sup>3</sup>	2	78,580	37,610	211,460	157,160	75,220	422,920	655,300
R-P2-Bq-194	K.1.5	Concrete Type-C1, including Scaffolding and Formwork	m <sup>3</sup>	52	375,740	42,910	603,970	19,538,480	2,231,320	31,406,440	53,176,240
R-P2-Bq-195	K.1.6	Deformed Reinforcing Bars for Item K.1.5	kg	3,630	1,402	2,810	3,418	5,088,897	10,199,574	12,405,888	27,694,359
R-P2-Bq-196	K.1.7	Wet Stone Masonry for Channel Revetment and Wall	m <sup>3</sup>	30	46,070	28,800	200,020	1,382,100	864,000	6,000,600	8,246,700
R-P2-Bq-197	K.1.8	Gravel Bedding	m <sup>3</sup>	17	6,920	1,360	32,990	117,640	23,120	560,830	701,590
R-P2-Bq-198	K.1.9	Weep Hole, Dia.50mm including Filter Cloth	nos.	8	3,147	909	14,500	25,175	7,273	116,000	148,448
R-P2-Bq-199	K.1.10	Cement Mortar Pointing on Surface of Wet Stone Masonry	m <sup>2</sup>	58	2,000	1,010	8,900	116,000	58,580	516,200	690,780
R-P2-Bq-200	K.1.11	Joint Filler 10mm thick (Elastic Material)	m <sup>2</sup>	12	6,750	9,260	24,250	81,000	111,120	291,000	483,120
R-P2-Bq-201	K.1.12	Asphalt Treatment Base (A.T.B.)	ton	19	86,416	34,062	153,876	1,641,908	647,169	2,923,651	5,212,727
R-P2-Bq-202	K.1.13	Bituminous Prime Coat	ltr	72	5,143	7,277	18,265	370,267	523,908	1,315,058	2,209,234
R-P2-Bq-203	K.1.14	Base Course (Class A)	m <sup>3</sup>	7	35,670	4,370	97,910	249,690	30,590	685,370	965,650
R-P2-Bq-204	K.1.15	Sub-Base Course (Class C)	m <sup>3</sup>	10	35,010	4,370	97,420	350,100	43,700	974,200	1,368,000
R-P2-Bq-205	K.2	Demolition and Removal of Existing Storage Houses	L.S.	1	3,881,800	76,600	2,620,200	3,881,800	76,600	2,620,200	6,578,600
R-P2-Bq-206	K.3	Building									

Table 5.2.2 (6/7) PAYMENT ITEMS AND THE COSTS FOR PACKAGE-2

ID No.	Item No.	BQ Item	Unit	Quantity	Unit Cost (rupiah)			Initial Cost (million rupiah)			
					PF/C	IF/C	L/C	PF/C	IF/C	L/C	Total
R-P2-Bq-207	K.3.1	Operation/Management Office (including excavation, filling, grading, foundation, reinforced concrete, roofing, concrete block, brick, plastering, door&Windows, glazing, miscellaneous metal, interior finishing, tile, sanitary, electrical and painting works)	L.S.	1	119,228,800	20,515,200	291,796,600	119,228,800	20,515,200	291,796,600	431,540,600
R-P2-Bq-208	K.3.2	Storage House-1 (including excavation, filling, grading, foundation, reinforced concrete, roofing, concrete block, brick, plastering, door&Windows, glazing, miscellaneous metal, interior finishing, tile, sanitary, electrical and painting works)	L.S.	1	24,154,800	11,863,900	108,089,000	24,154,800	11,863,900	108,089,000	144,107,700
R-P2-Bq-209	K.3.3	Storage House-2 (including excavation, filling, grading, foundation, reinforced concrete, roofing, concrete block, brick, plastering, door&Windows, glazing, miscellaneous metal, interior finishing, tile, sanitary, electrical and painting works)	L.S.	1	62,004,900	28,842,700	279,061,000	62,004,900	28,842,700	279,061,000	369,908,600
R-P2-Bq-210	K.3.4	Electrical Building (including excavation, demolition existing wall, filling, grading, foundation, reinforced concrete, roofing, concrete block, brick, plastering, door&Windows, glazing, miscellaneous metal, interior finishing, tile, sanitary, electrical and painting works)	L.S.	1	43,051,900	6,464,700	90,978,900	43,051,900	6,464,700	90,978,900	140,495,500
R-P2-Bq-211	K.3.5	Guard House (including excavation, filling, grading, foundation, reinforced concrete, roofing, concrete block, brick, plastering, door&Windows, glazing, miscellaneous metal, interior finishing, tile, sanitary, electrical and painting works)	L.S.	1	16,758,300	4,776,400	50,224,900	16,758,300	4,776,400	50,224,900	71,759,600
R-P2-Bq-212	K.3.6	External Works (including excavation, filling, grading, foundation, reinforced concrete, roofing, concrete block, brick, plastering, door&Windows, glazing, miscellaneous metal, interior finishing, tile, sanitary, electrical and painting works)	L.S.	1	59,646,900	12,532,500	214,737,600	59,646,900	12,532,500	214,737,600	286,917,000
R-P2-Bq-213	K.3.7	Gate Control House (4 houses including excavation, filling, grading, foundation, reinforced concrete, roofing, concrete block, brick, plastering, door&Windows, glazing, miscellaneous metal, interior finishing, tile, sanitary, electrical and painting works)	L.S.	1	164,607,800	33,803,100	276,245,900	164,607,800	33,803,100	276,245,900	474,656,800
R-P2-Bq-214	K.3.8	Intake Gate Shed on Right Bank (including steel colum and beam, roofing, steel handrail, electrical works and painting works)	L.S.	1	24,533,800	1,955,600	25,880,900	24,533,800	1,955,600	25,880,900	52,370,300
R-P2-Bq-215	K.3.9	Intake Gate Shed on Left Bank (including steel colum and beam, roofing, steel handrail, electrical works and painting works)	L.S.	1	15,514,800	1,084,600	15,995,500	15,514,800	1,084,600	15,995,500	32,594,900
R-P2-Bq-216	L	<b>Preservation of Existing Simongan Weir</b>									
R-P2-Bq-217	L.1	Cutting and Dismantling Part of the Existing Weir and Transporting									
R-P2-Bq-218	L.1.1	Removal of Steel Gates, Hoists, Guide Frames, Columns and Roofs of Operation Shed, etc. and Transporting them to the Preservation	L.S.	1	17,199,200	113,300	15,778,100	17,199,200	113,300	15,778,100	33,090,600
R-P2-Bq-219	L.1.2	Cutting and Dismantling Part of the Existing Wet Masonry Weir into Blocks and Transporting them to the Presevation Site	m <sup>3</sup>	457	18,013,687	98,843	2,853,614	8,232,254,959	45,171,251	1,304,101,598	9,581,527,808
R-P2-Bq-220	L.2	Assembling Work at Preservation Site									
R-P2-Bq-221	L.2.1	Structural Excavation	m <sup>3</sup>	164	19,700	400	15,360	3,230,800	65,600	2,519,040	5,815,440
R-P2-Bq-222	L.2.2	Earth Fill	m <sup>3</sup>	368	10,560	220	7,650	3,886,080	80,960	2,815,200	6,782,240
R-P2-Bq-223	L.2.3	Backfill with Selected Soil	m <sup>3</sup>	36	12,720	770	20,480	457,920	27,720	737,280	1,222,920
R-P2-Bq-224	L.2.4	Gravel Bedding	m <sup>3</sup>	38	6,920	1,360	32,990	262,960	51,680	1,253,620	1,568,260
R-P2-Bq-225	L.2.5	Rubble Stone Bedding	m <sup>3</sup>	5	13,760	2,790	65,520	68,800	13,950	327,600	410,350
R-P2-Bq-226	L.2.6	Backfill with Gravel	m <sup>3</sup>	37	18,580	4,060	88,210	687,460	150,220	3,263,770	4,101,450
R-P2-Bq-227	L.2.7	Leveling Concrete, Type-E including Formwork	m <sup>3</sup>	49	78,580	37,610	211,460	3,850,420	1,842,890	10,361,540	16,054,850
R-P2-Bq-228	L.2.8	Concrete, Type C1 including Scaffolding and Formwork	m <sup>3</sup>	31	375,740	42,910	603,970	11,647,940	1,330,210	18,723,070	31,701,220
R-P2-Bq-229	L.2.9	Concrete Type D including Form Work	m <sup>3</sup>	73	268,520	41,210	1,025,360	19,601,960	3,008,330	74,851,280	97,461,570
R-P2-Bq-230	L.2.10	Deformed Reinforcing Bars for Item L.2.8	kg	2,000	1,402	2,810	3,418	2,803,800	5,619,600	6,835,200	15,258,600
R-P2-Bq-231	L.2.11	Wet Stone Masonry	m <sup>3</sup>	160	46,070	28,800	200,020	7,371,200	4,608,000	32,003,200	43,982,400
R-P2-Bq-232	L.2.12	Cement Mortar Pointing on Riverside Surface of Masonry	m <sup>2</sup>	74	2,000	1,010	8,900	148,000	74,740	658,600	881,340
R-P2-Bq-233	L.2.13	Joint Filler 10mm thick (Elastic Material)	m <sup>2</sup>	7	6,750	9,260	24,250	47,250	64,820	169,750	281,820
R-P2-Bq-234	L.2.14	Steel Fence (with Anti-corrosion Painting), H=110cm	m	57	95,317	23,533	182,017	5,433,050	1,341,400	10,374,950	17,149,400

**Table 5.2.2 (7/7) PAYMENT ITEMS AND THE COSTS FOR PACKAGE-2**

ID No.	Item No.	BQ Item	Unit	Quantity	Unit Cost (rupiah)			Initial Cost (million rupiah)			Total
					PF/C	IF/C	L/C	PF/C	IF/C	L/C	
R-P2-Bq-235	L.2.15	Assembling Blocks into Original Shape with Scaffolding	m <sup>3</sup>	818	29,050	90	25,190	23,762,900	73,620	20,605,420	44,441,940
R-P2-Bq-236	L.2.16	Jointing Blocks with Non-Shrinkage Mortar	m <sup>3</sup>	4	650	290	2,940	2,600	1,160	11,760	15,520
R-P2-Bq-237	L.2.17	Drilling, Hole (Dia.45mm) in the Block, Anchoring with Steel Deformed Bar (D16) and Filling the Hole with Non-shrinkage	m	735	239,360	24,551	95,698	175,929,600	18,044,985	70,338,030	264,312,615
R-P2-Bq-238	L.2.18	Setting Steel Gates, Hoists, Guide Frames, Columns and Roofs of Operation Hut, etc.	L.S.	1	6,522,800	733,400	7,748,800	6,522,800	733,400	7,748,800	15,005,000
		<b>Total</b>						<b>61,200,722,172</b>	<b>3,631,534,450</b>	<b>24,128,019,972</b>	<b>88,960,276,593</b>

Table 5.2.3 (1/5) PAYMENT ITEMS AND THE COSTS FOR PACKAGE-3

ID No.				Quantity	Unit Price (Rupiah)			Cost (million Rupiah)			Total
					PF/C	IF/C	L/C	PF/C	IF/C	L/C	
<b>R-P3-Bq-1</b>	<b>1</b>	<b>Box Culvert BH 5 Km. 00+816</b>									
<b>R-P3-Bq-2</b>	<b>1.1</b>	<b>General</b>									
R-P3-Bq-3	1.1.1	Mobilization and demobilization	L.S.	1	3,499,300	51,900	3,828,900	3,499,300	51,900	3,828,900	7,380,100
R-P3-Bq-4	1.1.2	Establishment									
R-P3-Bq-5	1.1.2.1	Install and removal of temporary Site Office	m2	18	372,560	96,800	1,176,090	6,706,080	1,742,400	21,169,620	29,618,100
R-P3-Bq-6	1.1.2.2	Install and removal of temporary Ware House	m2	18	298,050	77,440	940,880	5,364,900	1,393,920	16,935,840	23,694,660
R-P3-Bq-7	1.1.3	Site Clearing and Measurement of the existing condition	L.S.	1	0	0	1,889,300	0	0	1,889,300	1,889,300
R-P3-Bq-8	1.1.4	Furnishing and Installing Communication equipment	unit	1	3,636,000	0	159,000	3,636,000	0	159,000	3,795,000
<b>R-P3-Bq-9</b>	<b>1.2</b>	<b>Temporary Works</b>									
R-P3-Bq-10	1.2.1	Railway sign, structure for telephone cable, signal cable, etc.	L.S.	1	4,206,600	239,800	20,654,300	4,206,600	239,800	20,654,300	25,100,700
R-P3-Bq-11	1.2.2	Demolition and removal of existing structure and others	L.S.	1	1,270,200	22,500	1,052,000	1,270,200	22,500	1,052,000	2,344,700
R-P3-Bq-12	1.2.3	Temporary Works for construction of box culvert (include dewatering, retaining wall, removal ballast, temporary bridge and other steel and/or wooden supporters, and others)	L.S.	1	58,639,200	273,200	152,587,300	58,639,200	273,200	152,587,300	211,499,700
<b>R-P3-Bq-13</b>	<b>1.3</b>	<b>Excavation and backfill</b>									
R-P3-Bq-14	1.3.1	Structural Excavation	m3	60	3,650	40	3,650	219,000	2,400	219,000	440,400
R-P3-Bq-15	1.3.2	Backfill with Existing Soil	m3	30	8,990	120	7,420	269,700	3,600	222,600	495,900
R-P3-Bq-16	1.3.3	Disposal of excavated material	m3	40	18,670	430	13,610	746,800	17,200	544,400	1,308,400
R-P3-Bq-17	1.3.4	Landslides & flattening	L.S.	1	772,800	7,000	639,900	772,800	7,000	639,900	1,419,700
<b>R-P3-Bq-18</b>	<b>1.4</b>	<b>Concrete Works, Stone masonry, etc.</b>									
R-P3-Bq-19	1.4.1	Concrete type K250 including Scaffolding and Formwork	m3	16	123,740	44,350	301,300	1,979,840	709,600	4,820,800	7,510,240
R-P3-Bq-20	1.4.2	Deformed Reinforcing Bars for 1.4.1	kg	2,380	1,367	3,121	3,667	3,252,508	7,427,742	8,726,984	19,407,234
R-P3-Bq-21	1.4.3	Concrete Type B0, including Formwork	m3	1	89,670	37,610	266,580	89,670	37,610	266,580	393,860
R-P3-Bq-22	1.4.4	Wet Stone Masonry 1Pc : 4Sand	m3	11	44,780	18,250	204,150	492,580	200,750	2,245,650	2,938,980
R-P3-Bq-23	1.4.5	Cement Mortar Plastering	m2	17	2,380	1,200	10,600	40,460	20,400	180,200	241,060
R-P3-Bq-24	1.4.6	Drainage Pipe									
R-P3-Bq-25	1.4.6.1	GIP1" including filter cloth	nos	4	13,267	2,000	63,250	53,067	8,000	253,000	314,067
R-P3-Bq-26	1.4.6.2	PVC 2" including filter cloth	nos	4	9,000	2,600	41,470	36,000	10,400	165,880	212,280
R-P3-Bq-27	1.4.7	Sand Fill	m3	10	15,220	1,640	37,910	152,200	16,400	379,100	547,700
R-P3-Bq-28	1.4.8	Grass Planting	m2	60	1,230	0	6,070	73,800	0	364,200	438,000
<b>R-P3-Bq-29</b>	<b>1.5</b>	<b>Superstructure Works</b>									
R-P3-Bq-30	1.5.1	Raising Track on the bridge for 16 cm	L.S.	1	26,500	0	131,700	26,500	0	131,700	158,200
<b>R-P3-Bq-31</b>	<b>2</b>	<b>Box Culvert BH 6 Km. 01+177</b>									
<b>R-P3-Bq-32</b>	<b>2.1</b>	<b>General</b>									
R-P3-Bq-33	2.1.1	Mobilization and demobilization	L.S.	1	372,560	96,800	1,176,090	372,560	96,800	1,176,090	1,645,450
R-P3-Bq-34	2.1.2	Establishment									
R-P3-Bq-35	2.1.2.1	Install and removal of temporary Site Office	m2	18	372,560	96,800	1,176,090	6,706,080	1,742,400	21,169,620	29,618,100
R-P3-Bq-36	2.1.2.2	Install and removal of temporary Ware House	m2	18	298,050	77,440	940,880	5,364,900	1,393,920	16,935,840	23,694,660
R-P3-Bq-37	2.1.3	Site Clearing and Measurement of the existing condition	L.S.	1	0	0	1,889,300	0	0	1,889,300	1,889,300
R-P3-Bq-38	2.1.4	Furnishing and Installing Communication equipment	Unit	1	3,636,000	0	159,000	3,636,000	0	159,000	3,795,000
<b>R-P3-Bq-39</b>	<b>2.2</b>	<b>Temporary Works</b>									
R-P3-Bq-40	2.2.1	Railway sign, structure for telephone cable, signal cable, etc.	L.S.	1	3,146,600	239,800	15,389,300	3,146,600	239,800	15,389,300	18,775,700
R-P3-Bq-41	2.2.2	Demolition and Removal of existing structure, existing bridge and others	L.S.	1	9,981,100	67,300	7,091,200	9,981,100	67,300	7,091,200	17,139,600

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ID No.				Quantity	Unit Price (Rupiah)			Cost (million Rupiah)			Total
					PF/C	IF/C	L/C	PF/C	IF/C	L/C	
R-P3-Bq-42	2.2.3	Temporary Works for construction of box culvert (include dewatering, retaining wall, removal ballast, temporary bridge and other steel and/or wooden supportters, and others)	L.S.	1	75,119,300	326,800	73,357,500	75,119,300	326,800	73,357,500	148,803,600
<b>R-P3-Bq-43</b>	<b>2.3</b>	<b>Excavation and backfill</b>									
R-P3-Bq-44	2.3.1	Structural Excavation	m3	60	3,650	40	3,650	219,000	2,400	219,000	440,400
R-P3-Bq-45	2.3.2	Backfill with Exisiting Soil	m3	20	8,990	120	7,420	179,800	2,400	148,400	330,600
R-P3-Bq-46	2.3.3	Disposal of excavated material	m3	40	18,670	430	13,610	746,800	17,200	544,400	1,308,400
R-P3-Bq-47	2.3.4	Landslides & flattening	L.S.	1	772,800	7,000	639,900	772,800	7,000	639,900	1,419,700
<b>R-P3-Bq-48</b>	<b>2.4</b>	<b>Concrete Works, Stone masonry and Others</b>									
R-P3-Bq-49	2.4.1	Concrete type K250 including Scaffolding and Formwork	m3	28	123,740	44,350	301,300	3,464,720	1,241,800	8,436,400	13,142,920
R-P3-Bq-50	2.4.2	Deformed Reinforcing Bars for 2.4.1	kg	4,660	1,367	3,121	3,667	6,368,356	14,543,394	17,087,288	37,999,038
R-P3-Bq-51	2.4.3	Concrete Type B0 including formwork	m3	3	89,670	37,610	266,580	269,010	112,830	799,740	1,181,580
R-P3-Bq-52	2.4.4	Wet Stone Masonry 1Pc : 4Sand	m3	9	44,780	18,250	204,150	403,020	164,250	1,837,350	2,404,620
R-P3-Bq-53	2.4.5	Cement Mortar Plastering	m2	5	2,380	1,200	10,600	11,900	6,000	53,000	70,900
R-P3-Bq-54	2.4.6	Cement Mortar Pointing	m2	7	2,000	1,010	8,900	14,000	7,070	62,300	83,370
R-P3-Bq-55	2.4.7	Drainage Pipe									
R-P3-Bq-56	2.4.7.1	GPI1" including filter	nos	6	13,267	2,000	63,250	79,600	12,000	379,500	471,100
R-P3-Bq-57	2.4.7.2	PVC 2" including filter	nos	4	9,000	2,600	41,470	36,000	10,400	165,880	212,280
R-P3-Bq-58	2.4.8	Sand Fill	m3	6	15,220	1,640	37,910	91,320	9,840	227,460	328,620
R-P3-Bq-59	2.4.9	Grass Planting	m2	220	1,230	0	6,070	270,600	0	1,335,400	1,606,000
<b>R-P3-Bq-60</b>	<b>2.5</b>	<b>Superstructure Works</b>									
R-P3-Bq-61	2.5.1	Raising Track on the Bridge for 44cm	L.S.	1	6,191,700	0	7,936,000	6,191,700	0	7,936,000	14,127,700
<b>R-P3-Bq-62</b>	<b>3</b>	<b>Raising Railway Bridge BH 10 Km.01+577</b>									
<b>R-P3-Bq-63</b>	<b>3.1</b>	<b>General</b>									
R-P3-Bq-64	3.1.1	Mobilization and demobilization	L.S.	1	372,560	96,800	1,176,090	372,560	96,800	1,176,090	1,645,450
R-P3-Bq-65	3.1.2	Establishment									
R-P3-Bq-66	3.1.2.1	Install and removal of temporary Site Office	m2	24	372,560	96,800	1,176,090	8,941,440	2,323,200	28,226,160	39,490,800
R-P3-Bq-67	3.1.2.2	Install and removal of temporary Ware House	m2	36	298,050	77,440	940,880	10,729,800	2,787,840	33,871,680	47,389,320
R-P3-Bq-68	3.1.3	Site Clearing, Measurement and preparation of stock pile	L.S.	1	422,700	0	2,099,200	422,700	0	2,099,200	2,521,900
R-P3-Bq-69	3.1.4	Communication equipment including Base Station, antene and battery	Unit	1	3,742,000	0	685,500	3,742,000	0	685,500	4,427,500
<b>R-P3-Bq-70</b>	<b>3.2</b>	<b>Temporary Work</b>									
R-P3-Bq-71	3.2.1	Railway sign, structure for telephone cable, signal cable, etc.	L.S.	1	11,962,000	239,800	59,175,100	11,962,000	239,800	59,175,100	71,376,900
R-P3-Bq-72	3.2.2	Demolition and removal of existing structure (retaining wall, steel rail fence, Abutmentments, Piers, and others)	L.S.	1	15,764,300	276,600	14,276,300	15,764,300	276,600	14,276,300	30,317,200
R-P3-Bq-73	3.2.3	Temporary Works for Abutments and Revetment for sideslope 1:2 (include coffering, dewatering, retaining wall, removal ballast, temporary bridge and other steel and/or wooden supportters, and others)	L.S.	1	69,684,800	197,000	139,177,900	69,684,800	197,000	139,177,900	209,059,700
R-P3-Bq-74	3.2.4	Temporary Works for construction of Piers and Riverbed Protection (including coffering, dewatering, and others)	L.S.	1	860,157,400	29,109,900	491,762,900	860,157,400	29,109,900	491,762,900	1,381,030,200
R-P3-Bq-75	3.2.5	Temporary works for Raising and Shifting the Bridge (including removal of bearing steel, temporary steel and/or wooden bearing, sstting/demolish construction with roller, and other steel and/or wooden supporter, and others)	L.S.	1	547,210,200	8,650,800	382,500,500	547,210,200	8,650,800	382,500,500	938,361,500
<b>R-P3-Bq-76</b>	<b>3.3</b>	<b>Excavation and backfill</b>									

Table 5.2.3 (3/5) PAYMENT ITEMS AND THE COSTS FOR PACKAGE-3

ID No.			Quantity	Unit Price (Rupiah)			Cost (million Rupiah)			Total	
				PF/C	IF/C	L/C	PF/C	IF/C	L/C		
R-P3-Bq-77	3.3.1	Structural Excavation	m3	1,260	3,650	40	3,650	4,599,000	50,400	4,599,000	9,248,400
R-P3-Bq-78	3.3.2	Backfill with Existing Soil	m3	400	8,990	120	7,420	3,596,000	48,000	2,968,000	6,612,000
R-P3-Bq-79	3.3.3	Backfill with Gravel	m3	110	19,690	2,690	59,080	2,165,900	295,900	6,498,800	8,960,600
R-P3-Bq-80	3.3.4	Disposal of excavated material	m3	970	18,670	430	13,610	18,109,900	417,100	13,201,700	31,728,700
R-P3-Bq-81	3.3.5	Landslides & flattening	L.S.	1	772,800	7,000	639,900	772,800	7,000	639,900	1,419,700
R-P3-Bq-82	3.3.6	Channel Excavation for West Floodway									
R-P3-Bq-83	3.3.6.1	Excavation below Water Level	m3	5,780	14,800	243	9,617	85,541,110	1,401,650	55,583,370	142,526,130
R-P3-Bq-84	3.3.6.2	Excavation above Water Level	m3	8,180	13,880	330	9,500	113,538,400	2,699,400	77,710,000	193,947,800
R-P3-Bq-85	3.3.6.3	Clearing and Grubbing	m2	950	3,680	80	2,590	3,496,000	76,000	2,460,500	6,032,500
<b>R-P3-Bq-86</b>	<b>3.4</b>	<b>PC Piling, Concrete Works, Stone Masonry, and others</b>									
R-P3-Bq-87	3.4.1	PC Pile									
R-P3-Bq-88	3.4.1.1	Furnishing PC Pile D = 450mm type K500	m	1,420	198,327	510	29,093	281,623,867	724,200	41,312,533	323,660,600
R-P3-Bq-89	3.4.1.2	Driving PC Pile	m	1,370	64,531	297	52,243	88,407,323	407,551	71,572,311	160,387,185
R-P3-Bq-90	3.4.1.3	Capping, Cutting Pile Head	nos	92	15,725	4,155	27,273	1,446,700	382,260	2,509,116	4,338,076
R-P3-Bq-91	3.4.1.4	Welding for connection	nos	92	1,700	0	8,300	156,400	0	763,600	920,000
R-P3-Bq-92	3.4.1.5	Loading Test (load test =125 tf)	nos	4	63,600	0	315,900	254,400	0	1,263,600	1,518,000
R-P3-Bq-93	3.4.2	Concrete Work									
R-P3-Bq-94	3.4.2.1	Concrete type K250 including scaffolding and formwork	m3	658	123,740	44,350	301,300	81,420,920	29,182,300	198,255,400	308,858,620
R-P3-Bq-95	3.4.2.2	Deformed Reinforcing Bars for 3.4.2.1	kg	68,970	1,367	3,121	3,667	94,254,402	215,248,473	252,899,196	562,402,071
R-P3-Bq-96	3.4.3	Lean Concrete type B0 for Abutment, Piers, Bridge and Riverbed Protection	m3	72	89,670	37,610	266,580	6,456,240	2,707,920	19,193,760	28,357,920
R-P3-Bq-97	3.4.4	Rubble Stone Filling	m3	75	15,070	2,320	49,320	1,130,250	174,000	3,699,000	5,003,250
<b>R-P3-Bq-98</b>	<b>3.5</b>	<b>Superstructure Works</b>									
R-P3-Bq-99	3.5.1	Raising for the bridge for 70cm height step by step	L.S.	1	1,017,111,700	101,870,400	532,501,900	1,017,111,700	101,870,400	532,501,900	1,651,484,000
R-P3-Bq-100	3.5.2	Shifting horizontal of bridge	L.S.	1	34,201,400	300	167,873,600	34,201,400	300	167,873,600	202,075,300
R-P3-Bq-101	3.5.3	Re-install of steel bearing including epoxy grouting	nos	12	177,000	189,000	690,000	2,124,000	2,268,000	8,280,000	12,672,000
R-P3-Bq-102	3.5.4	Re-painting a part of existing steel superstructure that was damage	L.S.	1	1,077,000	760,000	4,589,300	1,077,000	760,000	4,589,300	6,426,300
R-P3-Bq-103	3.5.5	Pavement Work									
R-P3-Bq-104	3.5.5.1	Demolition of Existing Pavement	L.S.	1	468,970	8,430	416,490	468,970	8,430	416,490	893,890
R-P3-Bq-105	3.5.5.2	Aggregate Class A	m3	143	35,670	4,370	97,910	5,100,810	624,910	14,001,130	19,726,850
R-P3-Bq-106	3.5.5.3	Aggregate Class B	m3	267	35,010	4,370	97,420	9,347,670	1,166,790	26,011,140	36,525,600
R-P3-Bq-107	3.5.5.4	Asphalt Concrete	ton	131	95,771	36,739	165,326	12,546,001	4,812,809	21,657,706	39,016,516
R-P3-Bq-108	3.5.5.5	Asphalt Treated Base (ATB)	ton	188	86,416	34,062	153,876	16,246,244	6,403,564	28,928,758	51,578,565
R-P3-Bq-109	3.5.5.6	Prime Coat	m2	1,130	2,571	3,638	9,132	2,905,569	4,111,223	10,319,556	17,336,347
R-P3-Bq-110	3.5.5.7	Tack Coat	m2	1,130	2,449	2,310	9,852	2,767,257	2,610,300	11,133,269	16,510,826
R-P3-Bq-111	3.5.5.8	Structural Excavation	m3	85	3,650	40	3,650	310,250	3,400	310,250	623,900
R-P3-Bq-112	3.5.5.9	Backfill	m3	37	8,990	120	7,420	332,630	4,440	274,540	611,610
R-P3-Bq-113	3.5.5.10	Wet Stone Masonry	m3	50	44,780	18,250	204,150	2,239,000	912,500	10,207,500	13,359,000
R-P3-Bq-114	3.5.5.11	Cement Mortar for Pointing	m2	54	2,000	1,010	8,900	108,000	54,540	480,600	643,140
R-P3-Bq-115	3.5.5.12	Drainage Pipe, PVC Dia. 50mm included Filter Cloth	nos.	76	3,147	909	14,500	239,161	69,091	1,102,000	1,410,252
<b>R-P3-Bq-116</b>	<b>3.6</b>	<b>Protection Works for Riverbank and Leaning Wall</b>									
R-P3-Bq-117	3.6.1	Excavation and Backfill									
R-P3-Bq-118	3.6.1.1	Structural Excavation	m3	2,811	3,650	40	3,650	10,260,150	112,440	10,260,150	20,632,740
R-P3-Bq-119	3.6.1.2	Backfill with Selected Soil	m3	765	12,720	770	20,480	9,730,800	589,050	15,667,200	25,987,050
R-P3-Bq-120	3.6.1.3	Backfill with Gravel	m3	117	19,690	2,690	59,080	2,303,730	314,730	6,912,360	9,530,820
R-P3-Bq-121	3.6.1.4	Gravel Bedding for Revetment and Riverbed Protection	m3	514	6,920	1,360	32,990	3,556,880	699,040	16,956,860	21,212,780

Table 5.2.3 (4/5) PAYMENT ITEMS AND THE COSTS FOR PACKAGE-3

ID No.				Quantity	Unit Price (Rupiah)			Cost (million Rupiah)			Total
					PF/C	IF/C	L/C	PF/C	IF/C	L/C	
R-P3-Bq-122	3.6.1.5	Rubble Stone Bedding	m3	8	13,760	2,790	65,520	110,080	22,320	524,160	656,560
R-P3-Bq-123	3.6.2	Rubble Stone Filling	m3	80	31,880	2,590	62,010	2,550,400	207,200	4,960,800	7,718,400
R-P3-Bq-124	3.6.3	Wet Stone Masonry	m3	810	44,780	18,250	204,150	36,271,800	14,782,500	165,361,500	216,415,800
R-P3-Bq-125	3.6.4	Cement Mortar Pointing on Riverside Surface of Wet Stone Masonry	m2	1,686	2,000	1,010	8,900	3,372,000	1,702,860	15,005,400	20,080,260
R-P3-Bq-126	3.6.5	Weep Hole, Dia 50mm including Filter Cloth	nos.	165	3,147	909	14,500	519,231	150,000	2,392,500	3,061,731
R-P3-Bq-127	3.6.6	Joint Filler, 10mm thick (Elastic Material)	m2	172	6,750	9,260	24,250	1,161,000	1,592,720	4,171,000	6,924,720
R-P3-Bq-128	3.6.7	Concrete, Type C1 including Formwork	m3	115	147,570	44,160	538,500	16,970,550	5,078,400	61,927,500	83,976,450
R-P3-Bq-129	3.6.8	Deformed Reinforcing Bar for 3.6.7	kg	5,920	1,230	2,809	3,300	7,281,008	16,628,688	19,536,592	43,446,288
R-P3-Bq-130	3.6.9	Lean Concrete Type B0									
R-P3-Bq-131	3.6.9.1	Concrete, Type D for Leaning Wall	m3	17	110,270	41,210	244,810	1,874,590	700,570	4,161,770	6,736,930
R-P3-Bq-132	3.6.9.2	Cast-In-Place Concrete Block (500kg/piece), Concrete Type-D	nos.	1,023	58,716	37,149	104,357	60,066,263	38,003,632	106,757,211	204,827,106
R-P3-Bq-133	3.6.10	Gabion for Revetment									
R-P3-Bq-134	3.6.10.1	Gabion Cylinder Dia.500mm (Galvanized and Coated with PVC)	m3	30	533,280	3,820	171,320	15,998,400	114,600	5,139,600	21,252,600
R-P3-Bq-135	3.6.10.2	Soil Filling	m3	10	8,860	140	7,820	88,600	1,400	78,200	168,200
R-P3-Bq-136	3.6.10.3	Gabion Mattress t=500mm (Galvanized) on Riverbed	m3	177	659,260	3,060	142,060	116,689,020	541,620	25,144,620	142,375,260
R-P3-Bq-137	3.6.11	Furnishing and Driving Log Pile, Dia 150mm, L=2.0m	m	116	35,750	370	31,360	4,147,000	42,920	3,637,760	7,827,680
R-P3-Bq-138	3.6.12	Steel Fence (with Anti-corrosion Painting), H=110cm	m	140	95,317	23,533	182,017	13,344,333	3,294,667	25,482,333	42,121,333
R-P3-Bq-139	3.6.13	Penetration Macadam Pavement 200mm thick	m2	453	12,550	8,680	41,430	5,685,150	3,932,040	18,767,790	28,384,980
R-P3-Bq-140	3.6.14	Placing Filter Cloth (Geotextile Sheet)	m2	490	14,290	30	3,800	7,002,100	14,700	1,862,000	8,878,800
<b>R-P3-Bq-141</b>	<b>4</b>	<b>Double Box Culvert BH 13 Km. 02+ 332</b>									
<b>R-P3-Bq-142</b>	<b>4.1</b>	<b>General</b>									
R-P3-Bq-143	4.1.1	Mobilization and demobilization	L.S.	1	3,944,500	51,900	6,040,200	3,944,500	51,900	6,040,200	10,036,600
R-P3-Bq-144	4.1.2	Establishment									
R-P3-Bq-145	4.1.2.1	Install and removal of temporary Site Office	m2	18	372,560	96,800	1,176,090	6,706,080	1,742,400	21,169,620	29,618,100
R-P3-Bq-146	4.1.2.2	Install and removal of temporary Ware House	m2	18	298,050	77,440	940,880	5,364,900	1,393,920	16,935,840	23,694,660
R-P3-Bq-147	4.1.3	Site Clearing and Measurement of the existing condition	L.S.	1	0	0	1,889,300	0	0	1,889,300	1,889,300
R-P3-Bq-148	4.1.4	Furnishing and Installing Communication equipment (H.T)	Unit	1	3,636,000	0	159,000	3,636,000	0	159,000	3,795,000
<b>R-P3-Bq-149</b>	<b>4.2</b>	<b>Temporary Work</b>									
R-P3-Bq-150	4.2.1	Railway sign, structure for telephone cable, signal cable, etc.	L.S.	1	16,130,500	494,900	20,674,900	16,130,500	494,900	20,674,900	37,300,300
R-P3-Bq-151	4.2.2	Demolition and Removal of existing structure, existing bridge and others	L.S.	1	943,600	18,700	764,000	943,600	18,700	764,000	1,726,300
R-P3-Bq-152	4.2.3	Temporary Works for construction of double box culvert (including coffering, dewatering, retaining wall, removal ballast, temporary bridge and other steel and/or wooden supporters, and others)	L.S.	1	166,258,600	740,200	195,539,300	166,258,600	740,200	195,539,300	362,538,100
<b>R-P3-Bq-153</b>	<b>4.3</b>	<b>Excavation and backfill</b>									
R-P3-Bq-154	4.3.1	Structural Excavation	m3	60	3,650	40	3,650	219,000	2,400	219,000	440,400
R-P3-Bq-155	4.3.2	Backfill with Existing Soil	m3	100	8,990	120	7,420	899,000	12,000	742,000	1,653,000
R-P3-Bq-156	4.3.3	Landslides & flattening	L.S.	1	772,800	7,000	639,900	772,800	7,000	639,900	1,419,700
<b>R-P3-Bq-157</b>	<b>4.4</b>	<b>Concrete Works, Stone Masonry, etc.</b>									
R-P3-Bq-158	4.4.1	Concrete Type K 225 including Form Work	m3	30	123,740	44,350	301,300	3,712,200	1,330,500	9,039,000	14,081,700
R-P3-Bq-159	4.4.2	Deformed Reinforcing Bars for 4.4.1	kg	3,680	1,367	3,121	3,667	5,029,088	11,484,912	13,493,824	30,007,824
R-P3-Bq-160	4.4.3	Anchor bar Dia 19mm L = 850mm	kg	40	1,230	2,809	3,300	49,196	112,356	132,004	293,556

Table 5.2.3 (5/5) PAYMENT ITEMS AND THE COSTS FOR PACKAGE-3

ID No.				Quantity	Unit Price (Rupiah)			Cost (million Rupiah)			Total
					PF/C	IF/C	L/C	PF/C	IF/C	L/C	
R-P3-Bq-161	4.4.4	Epoxy	m2	10	4,620	6,000	16,910	46,200	60,000	169,100	275,300
<b>R-P3-Bq-162</b>	<b>4.5</b>	<b>Superstructure Works</b>									
R-P3-Bq-163	4.5.1	Raising track for 83 cm step by step	L.S.	1	12,859,700	0	18,462,400	12,859,700	0	18,462,400	31,322,100
<b>R-P3-Bq-164</b>	<b>5</b>	<b>Track Raising Km. 00+677 - Km. 02+521</b>									
<b>R-P3-Bq-165</b>	<b>5.1</b>	<b>General</b>									
R-P3-Bq-166	5.1.1	Mobilization and demobilization	L.S.	1	3,202,500	51,900	2,354,700	3,202,500	51,900	2,354,700	5,609,100
R-P3-Bq-167	5.1.2	Establishment									
R-P3-Bq-168	5.1.2.1	Install and removal of temporary Site Office	m2	18	372,560	96,800	1,176,090	6,706,080	1,742,400	21,169,620	29,618,100
R-P3-Bq-169	5.1.2.2	Install and removal of temporary Ware House	m2	18	298,050	77,440	940,880	5,364,900	1,393,920	16,935,840	23,694,660
R-P3-Bq-170	5.1.3	Site Clearing and Measurement of the existing condition	L.S.	1	636,000	0	3,159,000	636,000	0	3,159,000	3,795,000
R-P3-Bq-171	5.1.4	Avoidance of Accident									
R-P3-Bq-172	5.1.4.1	Watching Train	L.S.	1	4,321,500	0	21,464,400	4,321,500	0	21,464,400	25,785,900
R-P3-Bq-173	5.1.4.2	Guard of restriction speed	MD	360	7,500	0	37,000	2,700,000	0	13,320,000	16,020,000
<b>R-P3-Bq-174</b>	<b>5.2</b>	<b>Truck Work</b>									
R-P3-Bq-175	5.2.1	Coarse Sand	m3	5,210	18,413	2,962	62,942	95,931,730	15,432,020	327,927,820	439,291,570
R-P3-Bq-176	5.2.2	Ballast	m3	4,380	214,680	36,840	774,220	940,298,400	161,359,200	3,391,083,600	4,492,741,200
R-P3-Bq-177	5.2.3	Wooden Sleepers (size 13 x 22 x 200 cm)	Bar	420	26,500	0	131,630	11,130,000	0	55,284,600	66,414,600
R-P3-Bq-178	5.2.4	Track Raising every 5 cm until 70 ~ 100 cm for 5 Km/H Speed	m	15,650	10,700	100	33,730	167,455,000	1,565,000	527,874,500	696,894,500
R-P3-Bq-179	5.2.5	Track Tamping for 20 Km/H	m	1,840	2,050	20	7,220	3,772,000	36,800	13,284,800	17,093,600
R-P3-Bq-180	5.2.6	Track Tamping for 40 Km/H	m	1,840	4,790	50	14,730	8,813,600	92,000	27,103,200	36,008,800
R-P3-Bq-181	5.2.7	Track Tamping for 60 Km/H	m	1,840	6,190	70	18,700	11,389,600	128,800	34,408,000	45,926,400
R-P3-Bq-182	5.2.8	Track Tamping for > 60 Km/H by Tamping machine	m	1,840	6,280	90	20,360	11,555,200	165,600	37,462,400	49,183,200
<b>R-P3-Bq-183</b>	<b>5.3</b>	<b>Retaining Wall Work</b>									
R-P3-Bq-184	5.3.1	Structural Excavation	m3	1,190	3,650	40	3,650	4,343,500	47,600	4,343,500	8,734,600
R-P3-Bq-185	5.3.2	Backfill with Existing Soil	m3	600	8,990	120	7,420	5,394,000	72,000	4,452,000	9,918,000
R-P3-Bq-186	5.3.3	Disposal of excavated material	m3	600	18,670	430	13,610	11,202,000	258,000	8,166,000	19,626,000
R-P3-Bq-187	5.3.4	Wet Stone Masonry	m3	1,900	44,780	18,250	204,150	85,082,000	34,675,000	387,885,000	507,642,000
R-P3-Bq-188	5.3.5	Lean Concrete	m3	105	89,670	37,610	266,580	9,415,350	3,949,050	27,990,900	41,355,300
R-P3-Bq-189	5.3.6	Fill with Gravel	m3	210	18,580	4,060	88,210	3,901,800	852,600	18,524,100	23,278,500
<b>R-P3-Bq-190</b>	<b>5.4</b>	<b>Level Crossing Raising for 8 (eight) crossings</b>									
R-P3-Bq-191	5.4.1	Coarse Sand	m3	3,130	18,413	2,962	62,942	57,632,690	9,271,060	197,008,460	263,912,210
R-P3-Bq-192	5.4.2	To Run Over by Roller	m2	7,770	5,200	1,080	22,010	40,404,000	8,391,600	171,017,700	219,813,300
R-P3-Bq-193	5.4.3	Hot Mix Asphalt	m2	7,770	10,610	3,370	45,930	82,439,700	26,184,900	356,876,100	465,500,700
R-P3-Bq-194	5.4.4	Stone Masonry 1 PC : 4 Sand for retaining wall	m3	590	44,780	18,250	204,150	26,420,200	10,767,500	120,448,500	157,636,200
R-P3-Bq-195	5.4.5	Guard for Traffic Arrange (8 x 2 x 90)	MD	1,440	7,450	0	36,970	10,728,000	0	53,236,800	63,964,800
<b>R-P3-Bq-196</b>	<b>5.5</b>	<b>Guard Post Work</b>									
R-P3-Bq-197	5.5.1	To build guard Building (3 x 3 m2) for 2 Level Crossing	Unit	2	1,108,440	288,000	3,499,110	2,216,880	576,000	6,998,220	9,791,100
R-P3-Bq-198	5.5.2	Raising and shift level Crossing Barrier with it's installation	Unit	1	3,604,000	0	17,901,000	3,604,000	0	17,901,000	21,505,000
R-P3-Bq-199	5.5.3	Raising level Crossing Barrier with it's installation	Unit	1	4,452,000	0	22,113,000	4,452,000	0	22,113,000	26,565,000
		<b>Total</b>						<b>5,804,121,923</b>	<b>838,363,451</b>	<b>9,871,215,430</b>	<b>16,513,700,805</b>



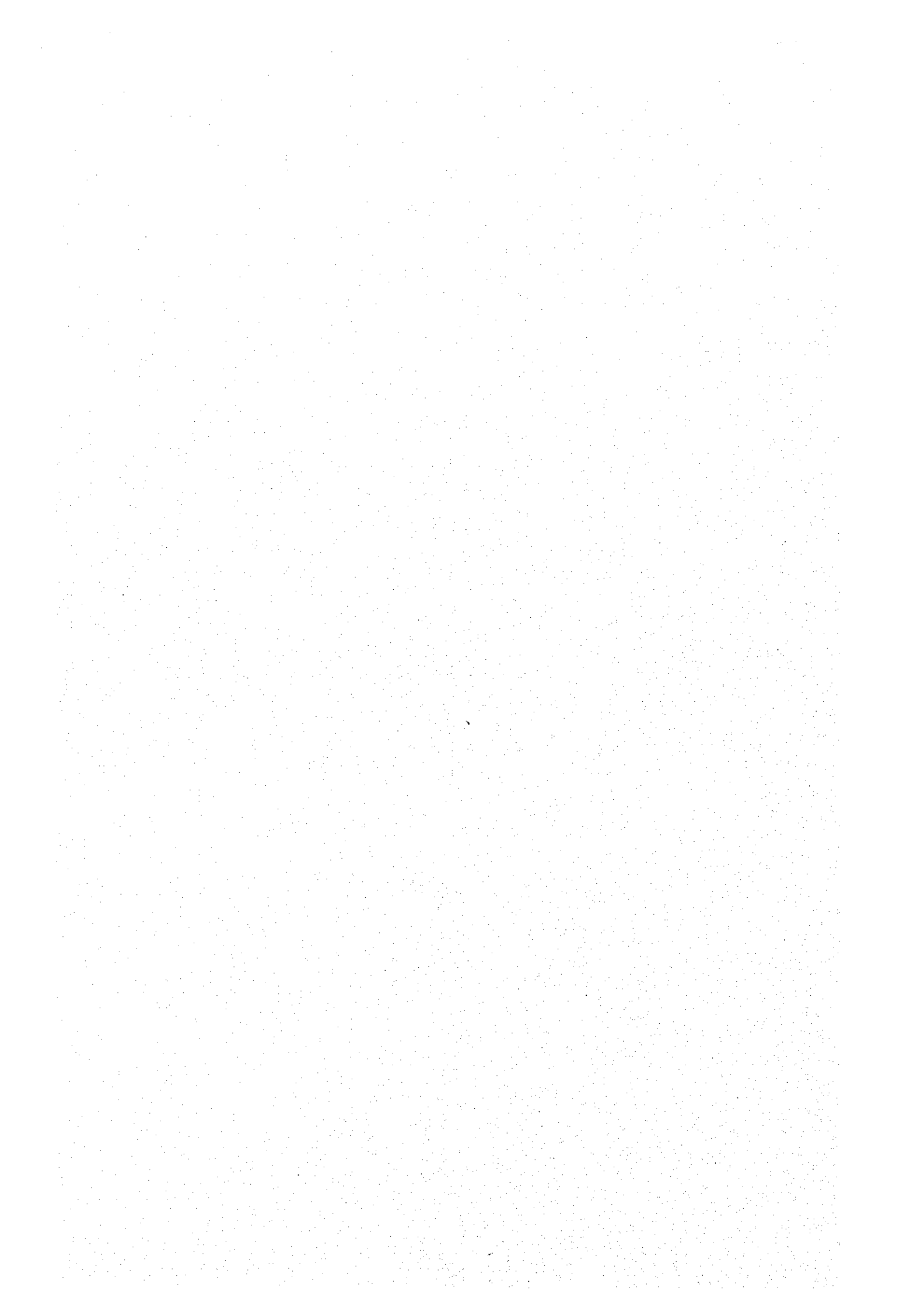


Table 5.2.4 (1/6) ENGINEERING SERVICE COST

**COST FOR ENGINEERING SERVICES ON CONSTRUCTION SUPERVISION**  
**SUMMARY**

<b>I.</b>	<b>FOREIGN CURRENCY IN YEN</b>		<b>¥197,860,910</b>
	1.1 Remuneration (Professional A)	¥178,311,752	
	1.2 Direct Cost	¥19,549,158	
<b>II.</b>	<b>LOCAL CURRENCY PORTION</b>		<b>Rp.6,219,988,000</b>
	3.1 Remuneration (Professional B)	Rp.2,310,500,000	
	3.2 Direct Cost	Rp.3,344,813,000	
	3.3 Equipment Cost	Rp.564,675,000	
<b>III.</b>	<b>TOTAL (I + II + III)</b>		<b>Rp.18,169,745,561</b>
	Foreign Currency in Yen	Rp.11,949,757,561	
	Local Currency in Rupiah	Rp.6,219,988,000 or equivalent to	<b>¥300,849,818</b>
<b>IV.</b>	<b>PHYSICAL CONTINGENCY (6%)</b>		<b>Rp.1,090,184,734</b>
	Foreign Currency in Yen	Rp.716,985,454	¥11,871,655
	Local Currency in Rupiah	Rp.373,199,280 or equivalent to	¥18,050,989
<b>V.</b>	<b>PRICE CONTINGENCY (F/C 3%, L/C 8%)</b>		<b>Rp.907,457,273</b>
	Foreign Currency in Yen	Rp.380,002,290	¥6,291,977
	Local Currency in Rupiah	Rp.527,454,982 or equivalent to	¥15,025,436
<b>VI.</b>	<b>VAT (10% OF III + IV + V)</b>		<b>Rp.2,016,738,757</b>
<b>VII.</b>	<b>TOTAL (III + IV + V + VI)</b>		<b>Rp.22,184,126,324</b>
		or equivalent to	<b>¥367,318,867</b>

Note: Applied Conversion Rate as of July 31, 1999

Table 5.2.4 (2/6) ENGINEERING SERVICE COST

Breakdown - 1 REMUNERATION FOR PROFESSIONAL-A IN YEN

No.	Designation	Total			2000			2001			2002			2003		
		M/M	Amount (Yen)		M/M	Rate (Yen)	Amount (Yen)	M/M	Rate (Yen)	Amount (Yen)	M/M	Rate (Yen)	Amount (Yen)	M/M	Rate (Yen)	Amount (Yen)
1.	Team Leader	35.0	88,458,552	3.0	2,511,600	7,534,800	11.0	2,511,600	27,627,600	10.0	2,511,600	25,116,000	0.0	2,511,600	0	
2.	River Engineer (Deputy T/L)	22.0	48,400,000	2.0	2,200,000	4,400,000	8.0	2,200,000	17,600,000	8.0	2,200,000	17,600,000	0.0	2,244,000	0	
3.	Mechanical Engineer	4.0	7,680,000	0.0	1,920,000	0	1.0	1,920,000	1,920,000	1.0	1,920,000	1,920,000	2.0	1,920,000	3,840,000	
4.	Structural Engineer	4.0	6,800,000	0.0	1,700,000	0	2.0	1,700,000	3,400,000	2.0	1,700,000	3,400,000	0.0	1,700,000	0	
5.	Railway Engineer	4.0	6,800,000	0.0	1,700,000	0	2.0	1,700,000	3,400,000	2.0	1,700,000	3,400,000	0.0	1,700,000	0	
6.	Cost Estimator/ Construction Planner	2.0	3,620,000	2.0	1,810,000	3,620,000	0.0	1,810,000	0	0.0	1,810,000	0	0.0	1,846,200	0	
7.	Electrical Engineer	5.0	10,345,750		2,069,150	0	2.0	2,069,150	4,138,300	1.0	2,069,150	2,069,150	2.0	2,069,150	4,138,300	
8.	Contract Specialist	3.0	6,207,450	3.0	2,069,150	6,207,450	0.0	2,069,150	0	0.0	2,069,150	0	0.0	2,069,150	0	
	Total	79.0	178,311,752	10.0		21,762,250	26.0		58,085,900	25.0		56,066,982	18.0		42,396,620	

Note : Monthly rate of remuneration will be escalated after first 2 years services from the date of commencement.  
Experience Year of each engineer is assumed from similar project

**Table 5.2.4 (3/6) ENGINEERING SERVICE COST  
Breakdown - 2 REMUNERATION FOR PROFESSIONAL-B IN RUPIAH**

No.	Designation	Total			2000			2001			2002			2003		
		M/M	Amount (Rp.)	M/M	Rate (Rp.)	Amount (Rp.)	M/M	Rate (Rp.)	Amount (Rp.)	M/M	Rate (Rp.)	Amount (Rp.)	M/M	Rate (Rp.)	Amount (Rp.)	
1.	Co-Team Leader	36.0	366,500,000	2.0	10,000,000	20,000,000	11.0	10,000,000	110,000,000	10.0	10,000,000	100,000,000	0.0	10,000,000	0	
2.	River/Drainage Engineer	35.0	274,500,000	2.0	7,500,000	15,000,000	11.0	7,500,000	82,500,000	10.0	7,500,000	75,000,000	0.0	7,500,000	0	
3.	Structural Engineer I	25.5	192,750,000	2.0	7,500,000	15,000,000	1.5	7,500,000	11,250,000	11.0	7,500,000	82,500,000	9.5	7,500,000	71,250,000	
4.	Structural Engineer II	23.5	176,250,000	0.0	7,500,000	0	0.5	7,500,000	3,750,000	12.0	7,500,000	90,000,000	1.5	8,500,000	12,750,000	
5.	Bridge/Railway Engineer I	18.0	127,800,000	0.0	7,100,000	0	12.0	7,100,000	85,200,000	6.0	7,100,000	42,600,000	0.0	7,100,000	0	
6.	Bridge/Road Engineer I	12.0	85,200,000	0.0	7,100,000	0	6.0	7,100,000	42,600,000	0.0	7,100,000	0	6.0	7,100,000	42,600,000	
7.	Mechanical Engineer	5.0	37,500,000	0.0	7,500,000	0	2.0	7,500,000	15,000,000	1.0	7,500,000	7,500,000	2.0	7,500,000	15,000,000	
8.	Electrical Engineer	6.0	45,000,000	0.0	7,500,000	0	2.0	7,500,000	15,000,000	2.0	7,500,000	15,000,000	2.0	7,500,000	15,000,000	
9.	Soil Mechanical Engineer	9.0	67,500,000	0.0	7,500,000	0	3.0	7,500,000	22,500,000	3.0	7,500,000	22,500,000	3.0	7,500,000	22,500,000	
10.	Cost Estimator/ Construction Planner	9.0	63,000,000	3.0	7,000,000	21,000,000	3.0	7,000,000	21,000,000	3.0	7,000,000	21,000,000	0.0	7,000,000	0	
11.	Site Engineer I	33.0	256,500,000	0.0	7,500,000	0	11.0	7,500,000	82,500,000	12.0	7,500,000	90,000,000	1.0	7,500,000	7,500,000	
12.	Site Engineer II	33.0	256,500,000	0.0	7,500,000	0	11.0	7,500,000	82,500,000	12.0	7,500,000	90,000,000	9.0	8,500,000	76,500,000	
13.	Site Engineer III	33.0	256,500,000	0.0	7,500,000	0	11.0	7,500,000	82,500,000	12.0	7,500,000	90,000,000	1.0	7,500,000	7,500,000	
14.	Survey Engineer	15.0	105,000,000	2.0	7,000,000	14,000,000	3.0	7,000,000	56,000,000	5.0	7,000,000	35,000,000	0.0	7,000,000	0	
<b>Total</b>		<b>293.0</b>	<b>2,310,500,000</b>	<b>11.0</b>		<b>85,000,000</b>	<b>93.0</b>		<b>712,300,000</b>	<b>101.0</b>		<b>780,100,000</b>	<b>88.0</b>		<b>733,100,000</b>	

Table 5.2.4 (4/6) ENGINEERING SERVICE COST

Breakdown - 4 SALARY FOR LOCAL EMPLOYEES

No.	Designation	M/M	Rate	Amount	Remarks
<b>I. Office Staff</b>					
1.	Office Manager	35.0	Rp2,000,000	Rp70,000,000	
2.	Bilingual Secretary I	35.0	Rp1,500,000	Rp52,500,000	
3.	Bilingual Secretary II	35.0	Rp1,500,000	Rp52,500,000	
4.	Treasurer	35.0	Rp1,500,000	Rp52,500,000	
5.	Computer Operator I	35.0	Rp750,000	Rp26,250,000	
6.	Computer Operator II	35.0	Rp750,000	Rp26,250,000	
7.	Chief Draftsman (I)	35.0	Rp1,500,000	Rp52,500,000	
8.	Draftsman II	35.0	Rp1,000,000	Rp35,000,000	
9.	Draftsman III	35.0	Rp1,000,000	Rp35,000,000	
10.	Janitor	35.0	Rp500,000	Rp17,500,000	
11.	Messenger	35.0	Rp500,000	Rp17,500,000	
12.	Watchman	35.0	Rp500,000	Rp17,500,000	
<b>Sub-total</b>		<b>420.0</b>		<b>Rp455,000,000</b>	
<b>II. Assistant Site Engineer</b>					
1.	Assistant Site Engineers for Package-1	60.0	Rp2,100,000	Rp126,000,000	2 Engrs.x 30 mont
2.	Assistant Site Engineers for Package-2	60.0	Rp2,100,000	Rp126,000,000	2 Engrs.x 30 mont
3.			Rp2,100,000	Rp0	2 Engrs.x 27 mont
<b>Sub-total</b>		<b>120.0</b>		<b>Rp252,000,000</b>	
<b>Total</b>		<b>540.0</b>		<b>Rp707,000,000</b>	

Table 5.2.4 (5/6) ENGINEERING SERVICE COST

Breakdown - 5 REPORT AND REPRODUCTION COSTS

No.	Item	Unit	Q'ty	Unit Price (Rp.)	Amount (Rp.)	Remarks
<b><u>Pre-construction Stage</u></b>						
1.	Monthly Report (Pre-construction & Construction Stage)	copies	875	50,000	43,750,000	35 months x 25 copies/months
2.	Quarterly Report	copies	275	50,000	13,750,000	25 copies x 11 times
3.	Design Review Report	copies	25	500,000	12,500,000	25 copies
4.	Updated Tender Documents ( 2 packages)	copies	200	145,000	29,000,000	25 copies x 2 packages x 4 vol.
5.	Tender Evaluation Report ( 7 packages)	copies	50	100,000	5,000,000	25 copies x 2 packages
<b><u>Construction Stage</u></b>						
6.	O/M Manual	copies	25	150,000	3,750,000	25 copies
7.	Service Completion Report	copies	25	150,000	3,750,000	25 copies
8.	Reproduction of Reports/ Documents	months	30	250,000	7,500,000	
<b>Total</b>					<b>119,000,000</b>	

Table 5.2.4 (6/6) ENGINEERING SERVICE COST

## Breakdown - 6 EQUIPMENT COST

Item	Unit	Unit Cost (Rp.)	Q'ty	Amount (Rp.)	Remarks
I. Office Furniture				95,675,000	
(1) Working Desk w/ Chair	set	1,000,000	16	16,000,000	
	set	850,000	20	17,000,000	
(2) Meeting Desk	set	1,500,000	2	3,000,000	
(3) Drafting Table w/ Chair	set	7,800,000	4	31,200,000	
(4) Pipe Chair	set	105,000	15	1,575,000	
(5) File Cabinet	set	850,000	4	3,400,000	
(6) Drawing Cabinet	set	4,500,000	2	9,000,000	
(7) Steel Cupboard	set	1,000,000	10	10,000,000	
(8) Bookshelf	set	450,000	10	4,500,000	
II. Office Equipment				441,600,000	
(1) Personal Computer (Desktop)	set	14,000,000	4	56,000,000	
	set	25,000,000	2	50,000,000	
(2) Personal Computer (Lap Top)	set	25,000,000	3	75,000,000	
(3) Laser Printer (A3 size)	set	22,500,000	2	45,000,000	
(4) Photocopy Machine w/ accessories	set	27,000,000	2	54,000,000	
(5) Digitizer (Plotter, A3 size)	set	32,500,000	1	32,500,000	
(6) Stabilizer	set	1,250,000	10	12,500,000	
(7) Telephone w/ accessories	set	15,000,000	1	15,000,000	
(8) Facsimile w/ accessories	set	3,600,000	1	3,600,000	
(9) SSB Radio Communication System	set	40,000,000	1	40,000,000	
(10) Emergency Power Source (UPS)	set	4,000,000	2	8,000,000	
(11) Generator Set	set	50,000,000	1	50,000,000	
(12) A-1 Laser Plotter	set	52,500,000	0		
III. Others				27,400,000	
(1) Drafting Instrument Set	set	1,500,000	4	6,000,000	
(2) Electric Planimeter	set	5,000,000	2	10,000,000	
(3) White Board (900mmx1800mm)	set	500,000	1	500,000	
(4) White Board (600mmx900mm)	set	300,000	3	900,000	
(5) Compact Camera	set	2,500,000	4	10,000,000	
Total				564,675,000	

Note : Prices of Imported Equipment will be adjusted in accordance with exchange rate among Yen, US\$ & Rp.  
The unit cost of the above table is based on the exchange rate dated on 21 Sep. 1998.  
Specifications stated in Remarks are for reference only, subject to change on the basis of offer.

Table 5.2.5 (1/6) BREAKDOWN OF TRANSPORTATION FOR ENGINEERING SERVICE COST

## BREAKDOWN OF COST FOR ENGINEERING SERVICES

<b>I. FOREIGN CURRENCY PORTION IN YEN</b>		<b>¥197,860,910</b>
1 Remuneration		¥178,311,752
Professional A:	79.0 M/M	<u>¥178,311,752</u>
(See Breakdown -1)		
2 Direct Cost		¥19,549,158
2.1 International Travel Cost		<u>¥19,549,158</u>
(1) Air Fare (round trip, nos. of trips on actual basis, IATA rate, subject to change)		¥15,200,000
Engineer (TKY-JKT-SMG)		
¥400,000 x 20 R/T =		¥8,000,000
Family (1 spouse, 2 children) (TKY-JKT-SMG)		
¥400,000 x 6 prsn x 3 R/T =		¥7,200,000
(2) Excess Baggage Allowance (round trip, nos. of trips on actual basis, IATA rate, subject to change)		¥2,280,000
Engineer (TKY-JKT)		
¥3,000 x 10 kg x 20 R/T x 2 =		¥1,200,000
Family (1 spouse, 2, children) (TKY-JKT)		
¥3,000 x 10 kg x 18 R/T x 2 =		¥1,080,000
(3) Unaccompanied Baggage Allowance (round trip, no. of on actual basis, IATA rate, subject to change)		¥480,000
Single Status (TKY-JKT-SMG)		
¥3,000 x 25 kg x 0 R/T x 2 =		¥0
Family Status (TKY-JKT-MES)		
¥3,000 x 40 kg x 2 R/T x 2 =		¥480,000
(4) Inland Travel Cost (fixed unit rate)		¥775,200
Single Status (TKY)		
¥15,960 x 14 R/T x 2 ways =		¥446,880
Family Status (TKY)		
¥27,360 x 6 R/T x 2 ways =		¥328,320
(5) Travel Document (fixed unit rate, round trip, incl. inoculation, insurance, preparatory allowance)		¥540,358
Engineer (first trip from TKY)		
¥22,800 x 0 R/T =		¥0
Engineer (subsequent trip from TKY)		
¥8,550 x 20 R/T =		¥170,998



**Table 5.2.5 (2/6) BREAKDOWN OF TRANSPORTATION FOR ENGINEERING SERVICE COST**

	Family (first trip from TKY) ¥20,520 x 6 R/T=	¥123,120
	Family (subsequent trip from TKY) ¥20,520 x 12 R/T=	¥246,240
(6)	Relocation & Storage Allowance (fixed unit rate, assignment is equal to /more than 12 months)	¥273,600
	Single Status more than 2 years assign. (in TKY) ¥0 x 0 prn.=	¥0
	Family Status more than 2 years assign. (in TKY) ¥273,600 x 1 family=	¥273,600
2.2	International Freight Cost (at cost, lump sum cost)	<u>¥0</u>
2.3	Overseas Training Cost (at cost, lump sum cost)	<u>¥0</u>

Table 5.2.5 (3/6) BREAKDOWN OF TRANSPORTATION FOR ENGINEERING SERVICE COST

<b>II. LOCAL CURRENCY PORTION</b>		<b>Rp.6,219,988,000</b>
1.	Remuneration	Rp.2,310,500,000
	Professional B (See Breakdown -2)	293.0 M/M <u>Rp.2,310,500,000</u>
2.	Direct Cost	Rp.3,344,813,000
2.1	Professional A	<u>Rp.392,848,000</u>
(1)	Transit Allowance (fixed unit rate; round trip in JKT from/to abroad)	Rp.28,500,000
	Engineer Rp.250,000 x 3 days x 20 R/T=	Rp.15,000,000
	Family (1 Spouse, 2 Children) Rp.250,000 x 3 days x 18 R/T=	Rp.13,500,000
(2)	Excess Baggage Allowance (round trip, umber of trips on actual basis, Garuda rate)	Rp.22,800,000
	Engineer (JKT-SMG) Rp.30,000 x 10 kg x 20 R/T x 2 =	Rp12,000,000
	Family (1 Spouse, 2 Children, JKT-SMG) Rp.30,000 x 10 kg x 18 R/T x 2 =	Rp10,800,000
(3)	Taxi Charge (fixed unit rate; round trip: airport-hotel in JKT/SMG)	Rp.4,800,000
	in JKT Rp.50,000 x 4 times x 20 R/T=	Rp.4,000,000
	in SMG Rp.20,000 x 2 times x 20 R/T=	Rp.800,000
(4)	Per Diem (fix unit rate, less than 6 months in SMG)	Rp.139,500,000
	Rp.150,000 x 30 days x 31 M/M=	Rp.139,500,000
(5)	Housing Allowance (fixed unit rate, equal to or more than 6 months in SMG)	Rp.132,000,000
	Single Status Rp.1,500,000 x 0 M/M=	Rp.0
	Family Status Rp.2,750,000 x 48 M/M=	Rp.132,000,000
(6)	Airport Tax (round trip, subject to change : Rp.25,000 (JKT) + RP.11,000(JKT) + Rp.10,000 (SMG) = Rp.46,000)	Rp.1,748,000
	Engineer Rp.46,000 x 20 R/T=	Rp.920,000
	Family Rp.46,000 x 18 R/T=	Rp.828,000

Table 5.2.5 (4/6) BREAKDOWN OF TRANSPORTATION FOR ENGINEERING SERVICE COST

(7) Establishment Allowance (at cost; visa, work permit, stay permit and their extension, exit permit and exit charge)		Rp.63,500,000
Visa Extension		
Rp.300,000 x 20 times=		Rp.6,000,000
Stay Permit		
Rp.1,000,000 x 24 times=		Rp.24,000,000
Police Resistration		
Rp.250,000 x 0 times=		Rp.0
Work Permit		
Rp.250,000 x 34 times=		Rp.8,500,000
Exit Permit		
Rp.250,000 x 20 times=		Rp.5,000,000
Fiscal Cost		
Rp.1,000,000 x 20 times=		Rp.20,000,000
DPKK		
Rp.0 x 0 M/M=		Rp.0
2.2 Professional B		<u>Rp.671,145,000</u>
(1) Mobilization and Demobilization		Rp.304,120,000
a) Air Fare (round trip, nos. of trips on actual basis, Garuda rate)		Rp.249,000,000
Engineer (JKT-SMG)		
Rp.3,000,000 x 38 R/T=		Rp.114,000,000
Family (1 spouse, 2 children) (JKT-SMG)		
Rp.3,000,000 x 45 R/T=		Rp.135,000,000
b) Excess Baggage Allowance (round trip, nos. of trips on actual basis, Garuda rate)		Rp.49,800,000
Engineer (JKT-SMG)		
Rp.30,000 x 10 kg x 38 R/T x 2 =		Rp.22,800,000
Engineer (BDN-SMG)		
Rp.30,000 x 10 kg x 0 R/T x 2 =		Rp.0
Family (1 spouse, 2 children) (JKT-SMG)		
Rp.30,000 x 10 kg x 45 R/T x 2 =		Rp.27,000,000
Family (1 spouse, 2 children) (BDN-SMG)		
Rp.30,000 x 10 kg x 0 R/T x 2 =		Rp.0
c) Taxi Charge (fixed unit rate; round trip, Airport-Office) (JKT-SMG) in JKT		Rp.5,320,000
Rp.50,000 x 2 times x 38 R/T=		Rp.3,800,000

Table 5.2.5 (5/6) BREAKDOWN OF TRANSPORTATION FOR ENGINEERING SERVICE COST

in SMG		
	Rp.20,000 x 2 times x 38 R/T=	Rp.1,520,000
(2) Per Diem Allowance (fixed unit rate)		Rp.168,750,000
Single Status (equal to or less than 3 months)		
	Rp.150,000 x 30 day x 37.5 M/M =	Rp.168,750,000
(3) Housing Allowance (fixed unit rate)		Rp.198,275,000
Single Status ( more than 3 months & less than 12 months)		
	Rp.400,000 x 42 M/M =	Rp.16,800,000
Family Status ( more than 12 months)		
	Rp.850,000 x 214 M/M =	Rp.181,475,000
2.3 Duty Trip		<u>Rp.592,620,000</u>
(1) Air Fare (round trip, nos. of trips on actual basis, Garuda rate, subject to change, JKT-SMG)		
	Rp.3,000,000 x 170 R/T=	Rp.510,000,000
(2) Per Diem Allowance in JKT (fixed unit rate)		
	Rp.150,000 x 3 days x 170 R/T =	Rp.76,500,000
(3) Airport Tax (round trip, subject to change: (Rp 11,000(SMG)+Rp.25,000(JKT)=36,000)		
	Rp.36,000 x 170 R/T=	Rp.6,120,000
2.4 Cost for Office Supply (fixed unit rate)		<u>Rp.108,000,000</u>
(1) Office Consumable		
	Rp.1,000,000 x 36 months=	Rp.36,000,000
(2) Drawing Material		
	Rp.1,000,000 x 36 months=	Rp.36,000,000
(3) Computer Supply Cost		
	Rp.1,000,000 x 36 months=	Rp.36,000,000

**Table 5.2.5 (6/6) BREAKDOWN OF TRANSPORTATION FOR ENGINEERING SERVICE COST**

2.5	Communication Cost (fixed unit rate, telephone/facsimile, freight cost)		<u>Rp.43,200,000</u>
		Rp.1,200,000 x 36 months=	Rp.43,200,000
2.6	Car Rental Cost (fixed unit rate)		<u>Rp.396,000,000</u>
		Rp.2,000,000 x 198 C/M=	Rp.396,000,000
2.7	Car O&M Cost (fixed unit rate)		<u>Rp.74,250,000</u>
	(1) Extra Fuel Cost		
	(Rp. 1000/lit. x 15 lit x 25 days = Rp. 375,000 )		
	Rp.375,000 x 198 C/M=		Rp.74,250,000
2.8	Office Rental Cost (fixed unit rate)		<u>Rp.225,000,000</u>
	(1) Office Rental Cost		
	Rp.25,000 x 250 m2 x 36 months=		Rp.225,000,000
2.9	Salary for Local Employee (see Breakdown - 4)		<u>Rp.707,000,000</u>
2.10	Office Equipment Maintenance and Running Cost (fixed unit rate)		<u>Rp.15,750,000</u>
	Rp.750,000 x 21 months =		Rp.15,750,000
2.11	Report and Reproduction Cost (fixed unit rate) (See Breakdown - 4)		<u>Rp.119,000,000</u>
3.	Equipment Cost (at cost) (See Breakdown - 5)		<b>Rp.564,675,000</b>

**Table 5.2.6 CALCULATION SHEET FOR COMPENSATION COST**

Description	Unit	Quantities	Unit Cost			Total Cost			Remarks
			PF/C	IF/C	L/C	PF/C	IF/C	L/C	
Construction of House newly	houses	2	0	0	30,000,000	0	0	60,000,000	
Purchasing of Land	m2	26,000	0	0	25,000	0	0	650,000,000	
<b>Total</b>			0	0	30,025,000	0	0	710,000,000	

**Table 5.2.7 PRICE CONTINGENCY**

	P/F	I/F	L/F	Total Cost
Construction Base Cost	11,487,186,146	734,928,758	21,619,340,598	33,841,455,501
Engineering Service Cost	380,002,290		527,454,982	907,457,273
Compensation Cost			469,020,320	469,020,320
Administration Cost			2,270,626,522	2,270,626,522
<b>Total</b>	<b>11,867,188,436</b>	<b>734,928,758</b>	<b>24,886,442,422</b>	<b>37,488,559,615</b>

Note : All costs are exclusive of Tax.

Table 5.3.1 DISBURSEMENT SCHEDULE

Work Name	Currency	2000	2001	2002	2003	Total
Package-1	Rupiah	0	40,275,563,871	71,002,903,000	29,153,430,717	140,431,897,588
	Converting into Yen	0	666,872,082	1,175,647,196	482,714,757	2,325,234,034
Package-2	Rupiah	0	52,582,094,693	19,290,157,339	45,720,924,153	117,593,176,186
	Converting into Yen	0	870,640,348	319,401,298	757,034,910	1,947,076,556
Package-3	Rupiah	0	1,203,338,179	21,685,777,774	0	22,889,115,953
	Converting into Yen	0	19,924,554	359,067,344	0	378,991,898
Administration Cost	Rupiah	0	5,701,675,877	6,753,295,899	4,495,029,881	16,950,001,656
	Converting into Yen	0	94,406,834	111,819,278	74,427,510	280,653,622
Engineering Service Cost	Rupiah	1,109,206,316	7,056,708,425	8,400,934,152	5,617,277,430	22,184,126,324
	Converting into Yen	18,365,943	116,843,102	139,100,435	93,009,387	367,318,867
Compensation Cost	Rupiah		782,704,000	438,916,320		1,221,620,320
	Converting into Yen	0	12,959,805	7,267,460	0	20,227,265
Total	Rupiah	1,109,206,316	107,602,085,045	127,571,984,484	84,986,662,181	321,269,938,027
	Converting into Yen	18,365,943	1,781,646,724	2,112,303,011	1,407,186,563	5,319,502,242

Note : All costs include price and physical contingencies and tax.



Table 5.3.2 (1/14) DISBURSEMENT SCHEDULE FOR EACH PAYMENT ITEM

Package-1					
ID No.	Item No.	BQ Item	2001	2002	2003
R-P1-Bq-1	A	<b>General</b>			
R-P1-Bq-2	A.1	Mobilization and Demobilization	85,277,725	274,638,525	206,406,806
R-P1-Bq-3	A.2	Establishment			
R-P1-Bq-4	A.2.1	Temporary Construction Road and Bridge	223,629,203	396,941,405	169,175,129
R-P1-Bq-5	A.2.2	Contractor's Site Office and Facilities	761,015,788	1,352,939,097	577,511,290
R-P1-Bq-6	A.2.3	Engineer's Site Office and Facilities	58,335,746	103,709,689	44,269,188
R-P1-Bq-7	A.3	Drawings	21,096,468	37,633,672	16,117,678
R-P1-Bq-8	A.4	Surveying	3,051,573	5,453,472	2,339,684
R-P1-Bq-9	A.5	Geological Investigation			
R-P1-Bq-10	A.5.1	Auger Boring	3,727,278	6,661,027	2,857,757
R-P1-Bq-11	A.5.2	Rotary Boring	49,435,483	88,346,247	37,902,878
R-P1-Bq-12	A.5.3	Exploratory Excavation	4,090,901	7,302,912	3,129,846
R-P1-Bq-13	B	<b>Channel and Dike Works</b>			
R-P1-Bq-14	B.1	Preparatory Works			
R-P1-Bq-15	B.1.1	Coffering and Dewatering	1,120,193,079	2,156,320,771	617,813,198
R-P1-Bq-16	B.1.2	Clearing and Grubbing	309,309,086	596,310,198	171,111,701
R-P1-Bq-17	B.1.3	Demolition of Existing Concrete Sheet Pile Wall Type Revetment	247,614,521	477,236,289	136,904,595
R-P1-Bq-18	B.1.4	Demolition of Existing Concrete/Masonry Structures in River	6,573,220	12,705,897	3,655,641
R-P1-Bq-19	B.2	Channel Excavation for West Floodway including Drainage By-pass Channel			
R-P1-Bq-20	B.2.1	Excavation below Water Level (Low Water level shown on the cross sections)	9,389,284,952	9,865,341,536	0
R-P1-Bq-21	B.2.2	Excavation above Water Level (Low Water level shown on the cross sections)	2,177,623,484	4,324,101,839	1,961,982,611
R-P1-Bq-22	B.2.3	Soft Rock Excavation	15,120,734	30,004,734	13,604,758
R-P1-Bq-23	B.3	Channel Excavation for Garang River			
R-P1-Bq-24	B.3.1	Excavation below Water Level (Low Water level shown on the cross sections)	2,339,179,634	2,458,773,292	0
R-P1-Bq-25	B.3.2	Excavation above Water Level (Low Water level shown on the cross sections)	2,232,653,680	4,433,375,171	2,011,563,399
R-P1-Bq-26	B.3.3	Soft Rock Excavation	51,842,517	102,873,375	46,644,885
R-P1-Bq-27	B.4	Earth Dike	0	0	0
R-P1-Bq-28	B.4.1	Stripping of Top Soil, 250mm thick	215,897,300	0	2,412,925
R-P1-Bq-29	B.4.2	Embankment	1,118,734,381	0	12,709,630
R-P1-Bq-30	B.4.3	Solid Sodding	88,821,828	0	1,031,752
R-P1-Bq-31	B.4.4	Gravel Pavement, 200mm thick	17,970,718	0	207,398
R-P1-Bq-32	B.5	Floodwall/Parapet Wall (Wet Stone Masonry Type)	0	0	0
R-P1-Bq-33	B.5.1	Structural Excavation	0	43,791,768	0
R-P1-Bq-34	B.5.2	Backfill with Selected Soil	0	29,188,648	0
R-P1-Bq-35	B.5.3	Gravel Bedding	0	2,024,227	0
R-P1-Bq-36	B.5.4	Wet Stone Masonry	0	103,471,820	0
R-P1-Bq-37	B.5.5	Joint Filler, 10mm thick (Elastic Material)	0	1,441,277	0
R-P1-Bq-38	B.5.6	Water Stop, 200mm wide	0	4,916,972	0
R-P1-Bq-39	B.5.7	Cement Mortar Pointing on Riverside Surface of Wet Stone Masonry	0	5,553,709	0
R-P1-Bq-41	B.6	Filling on Riverbed, River Bank and Flood Plain			
R-P1-Bq-42	B.6.1	Stripping of Top Soil, 250mm thick	250,789,793	269,460,690	42,226,195
R-P1-Bq-43	B.6.2	Earth Fill	434,552,357	467,048,717	73,212,276
R-P1-Bq-44	B.7	Miscellaneous Work			
R-P1-Bq-45	B.7.1	Maintenance Marker Post, 500m interval on Right and Left River	1,221,715	1,337,025	213,357
R-P1-Bq-46	C.	<b>Raising the Existing Floodwall</b>			
R-P1-Bq-47	C.1	Preparatory Works			
R-P1-Bq-48	C.1.1	Coffering and Dewatering	7,338,426	14,234,891	4,109,900
R-P1-Bq-49	C.1.2	Clearing and Grubbing	51,320,342	98,939,360	28,390,731
R-P1-Bq-50	C.1.3	Demolition of Existing Buttress Wall (Wet Stone Masonry)	5,383,781	10,406,735	2,994,144
R-P1-Bq-51	C.2	Raising Works			
R-P1-Bq-52	C.2.1	Structural Excavation	138,717,303	129,512,089	0
R-P1-Bq-53	C.2.2	Stripping of Top Soil, 250mm thick	104,396,088	97,353,540	0
R-P1-Bq-54	C.2.3	Embankment at the River Side Front of Floodwall	606,747,405	570,472,974	0
R-P1-Bq-55	C.2.4	Solid Sodding	195,537,151	185,923,665	0
R-P1-Bq-56	C.2.5	Backfill with Selected Soil	34,417,671	32,391,291	0
R-P1-Bq-57	C.2.6	Gravel Bedding	10,019,923	9,513,868	0
R-P1-Bq-58	C.2.7	Chipping on Existing Floodwall Surface	224,870,148	213,821,682	0
R-P1-Bq-59	C.2.8	Concrete, Type C1 including Formwork	1,587,271,830	1,500,443,626	0
R-P1-Bq-60	C.2.9	Deformed Reinforcing Bars for C.2.8	954,502,887	891,867,433	0
R-P1-Bq-61	C.2.10	Furnishing and Driving Log Pile, Dia. 150mm, L=2.0m	213,286,320	199,433,497	0
R-P1-Bq-62	C.2.11	Drilling, Anchoring Steel Bars in Existing Floodwall and Filling the Hole with Non-shrinkage Mortar	411,511,979	389,044,006	0
R-P1-Bq-63	C.2.12	Joint Filler, 10mm thick (Elastic Material)	12,716,402	11,967,405	0
R-P1-Bq-64	C.2.13	Water Stop, 200mm wide	83,727,013	76,825,892	0
R-P1-Bq-65	C.2.14	Cement Mortar Plastering on Roadside Surface of Floodwall	44,293,684	41,960,119	0
R-P1-Bq-66	D.	<b>Protection Works for Riverbank and Riverbed</b>			
R-P1-Bq-67	D.1	Preparatory Works			

Table 5.3.2 (2/14) DISBURSEMENT SCHEDULE FOR EACH PAYMENT ITEM

ID No.	Item No.	BQ Item	2001	2002	2003
R-P1-Bq-68	D.1.1	Coffering and Dewatering	321,052,698	617,600,730	176,831,636
R-P1-Bq-69	D.1.2	Clearing and Grubbing	53,400,896	102,950,415	29,541,706
R-P1-Bq-70	D.1.3	Demolition of Existing Wet Masonry Wall	10,078,938	23,101,631	13,160,307
R-P1-Bq-71	D.2	Revetment for Side Slope of 1:2 and 1:1.5 (Wet Stone Masonry)			
R-P1-Bq-72	D.2.1	Structural Excavation	308,842,297	706,865,242	402,097,187
R-P1-Bq-73	D.2.2	Backfill with Selected Soil	50,430,865	116,349,194	66,712,579
R-P1-Bq-74	D.2.3	Gravel Bedding	103,271,377	240,376,973	139,027,473
R-P1-Bq-75	D.2.4	Wet Stone Masonry	653,111,411	1,515,361,494	873,730,251
R-P1-Bq-76	D.2.5	Cement Mortar Pointing on Riverside Surface of Wet Stone Masonry	88,623,416	205,806,236	118,765,774
R-P1-Bq-77	D.2.6	Concrete, Type C1 including Formwork	262,665,624	608,683,871	350,529,641
R-P1-Bq-78	D.2.7	Deformed Reinforcing Bars for Item D.2.6	182,816,521	418,753,720	238,395,048
R-P1-Bq-79	D.2.8	Furnishing and Driving Log Pile, Dia. 150mm, L=2.0m, 3.0m	42,205,030	96,742,988	55,115,063
R-P1-Bq-80	D.2.9	Joint Filler, 10mm thick (Elastic Material)	19,481,129	41,943,829	25,769,355
R-P1-Bq-81	D.2.10	Weep Hole, Dia.50mm including Filter Cloth	14,687,664	34,160,285	19,742,182
R-P1-Bq-82	D.2.11	Gabion Cylinder Dia.500mm (Galvanized and Coated with PVC)	291,192,173	660,235,170	372,015,488
R-P1-Bq-83	D.2.12	Soil Filling	2,061,096	4,724,518	2,691,611
R-P1-Bq-84	D.2.13	Gabion Mattress t=500mm (Galvanized)	981,431,139	2,217,908,429	1,245,472,343
R-P1-Bq-85	D.2.14	Rubble Stone Filling	16,024,077	37,198,801	21,459,099
R-P1-Bq-86	D.3	Revetment for Side Slope of 1:2 (Stone Facing Type)			
R-P1-Bq-87	D.3.1	Structural Excavation	46,118,765	105,554,687	60,044,320
R-P1-Bq-88	D.3.2	Rubble Stone Bedding	51,293,575	119,386,772	69,047,015
R-P1-Bq-89	D.3.3	Stone Facing (Dia.250 to 400mm)	128,770,550	299,313,561	172,881,448
R-P1-Bq-90	D.4	PC (Prestressed Concrete) Sheet Pile Wall Type Revetment			
R-P1-Bq-91	D.4.1	Structural Excavation	3,971,087	9,088,858	5,170,157
R-P1-Bq-92	D.4.2	Backfill with Selected Soil	58,513,861	134,997,497	77,405,187
R-P1-Bq-93	D.4.3	Gravel Bedding	315,249	733,782	424,400
R-P1-Bq-94	D.4.4	Furnishing and Driving PC Sheet Pile (K-500, t=220mm,	1,034,807,149	2,330,646,447	1,304,224,399
R-P1-Bq-95	D.4.5	Fixing Steel Tie Rod, Steel Cannel and Steel Plate to PC Sheet Pile	276,099,323	630,191,281	357,492,642
R-P1-Bq-96	D.4.6	Concrete, Type C1 including Formwork	44,277,141	102,604,906	59,088,243
R-P1-Bq-97	D.4.7	Deformed Reinforcing Bars for D.4.6	19,924,232	45,637,813	25,981,450
R-P1-Bq-98	D.4.8	Joint Filler, 10mm thick (Elastic Material)	301,952	696,617	399,418
R-P1-Bq-99	D.4.9	Gabion Mattress (Galvanized) t=300mm with Soil Covering	56,114,666	127,164,812	71,613,639
R-P1-Bq-100	D.4.10	Riprap Mound (Dia.250 to 400mm)	134,098,583	310,748,514	178,952,765
R-P1-Bq-101	D.5	Leaning Wall (Concrete Type)			
R-P1-Bq-102	D.5.1	Structural Excavation	57,219,759	130,962,175	74,497,258
R-P1-Bq-103	D.5.2	Backfill with Selected Soil	12,563,787	28,985,949	16,620,033
R-P1-Bq-104	D.5.3	Backfill with Gravel	44,658,545	103,931,779	60,102,023
R-P1-Bq-105	D.5.4	Rubble Stone Bedding	5,620,029	13,080,725	7,565,202
R-P1-Bq-106	D.5.5	Concrete, Type D including Formwork	1,348,956,959	3,135,513,950	1,811,054,487
R-P1-Bq-107	D.5.6	Deformed Reinforcing Bars for Item D.5.5	5,833,592	13,361,145	7,605,829
R-P1-Bq-108	D.5.7	Joint Filler, 10mm thick (Elastic Material)	2,832,104	6,533,790	3,746,266
R-P1-Bq-109	D.5.8	Weep Hole, Dia.50mm including Filter Cloth	2,395,895	5,572,326	3,220,402
R-P1-Bq-110	D.5.9	Steel Fence (with Anti-corrosion Painting), H=1,100mm	49,033,031	113,135,143	64,875,866
R-P1-Bq-111	D.6	Leaning Wall (Wet Stone Masonry Type)			
R-P1-Bq-112	D.6.1	Structural Excavation	107,941,375	247,051,674	140,534,259
R-P1-Bq-113	D.6.2	Backfill with Selected Soil	27,587,616	63,647,469	36,494,338
R-P1-Bq-114	D.6.3	Backfill with Gravel	80,151,873	186,533,768	107,869,382
R-P1-Bq-115	D.6.4	Rubble Stone Bedding	7,500,578	17,457,737	10,096,635
R-P1-Bq-116	D.6.5	Wet Stone Masonry	325,117,134	754,342,946	434,940,609
R-P1-Bq-117	D.6.6	Cement Mortar Pointing on Riverside Surface of Wet Stone Masonry	16,084,966	37,353,404	21,555,741
R-P1-Bq-118	D.6.7	Covering Concrete, Type D	10,982,801	25,434,270	14,637,797
R-P1-Bq-119	D.6.8	Joint Filler, 10mm thick (Elastic Material)	4,404,339	10,161,005	5,825,995
R-P1-Bq-120	D.6.9	Weep Hole, Dia.50mm including Filter Cloth	8,797,960	20,462,124	11,825,633
R-P1-Bq-121	D.6.10	Steel Fence (with Anti-corrosion Painting), H=1,100mm	96,509,457	222,678,694	127,692,180
R-P1-Bq-122	D.7	Earth Retaining Wall (Wet Stone Masonry Type)			
R-P1-Bq-123	D.7.1	Structural Excavation	1,805,040	4,131,299	2,350,071
R-P1-Bq-124	D.7.2	Backfill with Selected Soil	808,300	1,864,830	1,069,261
R-P1-Bq-125	D.7.3	Gravel Bedding	304,379	708,479	409,765
R-P1-Bq-126	D.7.4	Wet Stone Masonry	23,017,142	53,404,810	30,792,256
R-P1-Bq-127	D.7.5	Cement Mortar Pointing on Riverside Surface of Wet Stone Masonry	1,211,368	2,813,106	1,623,375
R-P1-Bq-128	D.7.6	Joint Filler, 10mm thick (Elastic Material)	301,952	696,617	399,418
R-P1-Bq-129	D.8	Pile Type Groin			
R-P1-Bq-130	D.8.1	Structural Excavation	90,252	206,565	117,504
R-P1-Bq-131	D.8.2	Reinforced Concrete Pile, Concrete Type A3, Section 200x200	452,219,672	1,050,858,937	606,812,698
R-P1-Bq-132	D.8.3	Test Piling for D.8.2	1,707,018	3,917,820	2,234,836
R-P1-Bq-133	D.8.4	Driving RC Pile	16,199,771	37,098,716	21,115,630
R-P1-Bq-134	D.8.5	Cutting Pile Head	469,539	1,069,130	605,015
R-P1-Bq-135	D.8.6	Concrete Type C1 for Beam including Formwork	8,982,180	20,711,073	11,868,719
R-P1-Bq-136	D.8.7	Deformed Reinforcing Bars for Beam	8,030,912	18,393,843	10,470,691
R-P1-Bq-137	D.8.8	Stone Facing (Dia.250 to 400mm)	12,323,895	28,645,594	16,545,497
R-P1-Bq-138	D.9	Riverbed Protection around Bridge Piers			
R-P1-Bq-139	D.9.1	Structural Excavation	0	17,144,890	18,060,733
R-P1-Bq-140	D.9.2	Backfill with Selected Soil	0	3,648,581	3,874,133
R-P1-Bq-142	D.9.3	Rubble Stone Filling	0	5,268,037	5,603,790

Table 5.3.2 (3/14) DISBURSEMENT SCHEDULE FOR EACH PAYMENT ITEM

ID No.	Item No.	BQ Item	2001	2002	2003
R-P1-Bq-143	D.9.4	Placing Filter Cloth (Geotextile sheet)	0	2,666,736	2,777,972
R-P1-Bq-144	D.9.5	Gabion Mattress (Galvanized) t=500mm	0	212,583,409	221,068,102
R-P1-Bq-145	D.9.6	Placing Palm Fiber Filter under Gabion Mattress	0	13,976,357	14,923,594
R-P1-Bq-146	D.9.7	Riprap Mound (Dia. 250 to 400)	0	20,120,744	21,457,525
R-P1-Bq-147	D.9.8	Gravel Bedding	0	708,479	758,824
R-P1-Bq-149	D.9.9	Precast Concrete Block (2.0t/piece), Concrete Type-D	0	44,951,415	47,583,781
R-P1-Bq-150	D.10	Sodding			
R-P1-Bq-151	D.10.1	Solid Sodding	135,672,764	316,241,050	183,155,299
R-P1-Bq-152	E.	Ground Sills			
R-P1-Bq-153	E.1	Preparatory Works			
R-P1-Bq-154	E.1.1	Coffering and Dewatering	0	2,335,609,476	2,452,629,012
R-P1-Bq-155	E.1.2	Clearing and Grubbing	0	6,441,998	6,777,967
R-P1-Bq-156	E.2	Ground Sill with Head at WF124			
R-P1-Bq-157	E.2.1	Structural Excavation	0	15,698,936	0
R-P1-Bq-158	E.2.2	Backfill with Selected Soil	0	25,540,067	0
R-P1-Bq-159	E.2.3	Replacement of Base Soil under the Ground Sill by Selected Material	0	45,706,538	0
R-P1-Bq-160	E.2.4	Furnishing and Driving Concrete PC Pile (K-500, t=220mm, w=500mm)	0	257,997,142	0
R-P1-Bq-161	E.2.5	Leveling Concrete, Type E including Formwork	0	20,453,818	0
R-P1-Bq-162	E.2.6	Concrete for Main Body, Type D including Formwork	0	945,463,005	0
R-P1-Bq-163	E.2.7	Concrete for Side Wall, Type C1 including Formwork	0	42,304,792	0
R-P1-Bq-164	E.2.8	Deformed Reinforcing Bars for Side Wall	0	37,453,004	0
R-P1-Bq-165	E.2.9	Water Stop, 200mm wide	0	1,678,966	0
R-P1-Bq-166	E.2.10	Joint Filler, 10mm thick (Elastic Material)	0	7,734,855	0
R-P1-Bq-167	E.2.11	Wet Stone Masonry for Revetment	0	116,823,023	0
R-P1-Bq-168	E.2.12	Cement Mortar Pointing on Riverside Surface of Wet Stone Masonry	0	17,632,663	0
R-P1-Bq-169	E.2.13	Concrete, Type C1 for Revetment including Formwork	0	43,567,621	0
R-P1-Bq-170	E.2.14	Deformed Reinforcing Bars for Revetment	0	32,910,648	0
R-P1-Bq-171	E.2.15	Gabion Mattress t=500mm (Galvanized) on Riverbed	0	625,563,916	0
R-P1-Bq-172	E.2.16	Placing Palm Fiber Filter under Gabion Mattress	0	51,591,738	0
R-P1-Bq-173	E.2.17	Gabion Cylinder Dia. 500mm (Galvanized and coated with PVC) on Side Slope	0	57,795,662	0
R-P1-Bq-174	E.2.18	Soil Filling	0	590,565	0
R-P1-Bq-175	E.2.19	Gravel Bedding	0	19,837,426	0
R-P1-Bq-176	E.2.20	Rubble Stone Bedding	0	5,534,153	0
R-P1-Bq-177	E.3	Ground Sill without Head at WF173			
R-P1-Bq-178	E.3.1	Structural Excavation	0	0	53,964,599
R-P1-Bq-179	E.3.2	Soft Rock Excavation	0	0	58,306,106
R-P1-Bq-180	E.3.3	Backfill with Selected Soil	0	0	23,244,801
R-P1-Bq-181	E.3.4	Gravel Bedding for Main Body and Side Wall	0	0	1,788,658
R-P1-Bq-182	E.3.5	Wet Stone Masonry for Main Body and Side Wall	0	0	85,534,043
R-P1-Bq-183	E.3.6	Gravel Bedding for Revetment	0	0	8,292,867
R-P1-Bq-184	E.3.7	Wet Stone Masonry for Revetment	0	0	49,894,858
R-P1-Bq-185	E.3.8	Cement Mortar Pointing on Riverside Surface of Wet Stone Masonry	0	0	8,073,485
R-P1-Bq-186	E.3.9	Concrete Type C1 including Formwork for Revetment	0	0	14,140,776
R-P1-Bq-187	E.3.10	Deformed Reinforcing Bars for Revetment	0	0	9,848,646
R-P1-Bq-188	E.3.11	Joint Filler, 10mm thick (Elastic Material)	0	0	2,397,529
R-P1-Bq-189	E.3.12	Gabion Mattress t=500mm (Galvanized) on Riverbed	0	0	650,531,613
R-P1-Bq-190	E.3.13	Placing Palm Fiber Filter under Gabion Mattress	0	0	57,070,457
R-P1-Bq-191	E.3.14	Gabion Cylinder Dia. 500mm (Galvanized and Coated with PVC) on Side Slope	0	0	49,417,795
R-P1-Bq-192	E.3.15	Soil Filling	0	0	415,372
R-P1-Bq-193	E.3.16	Rubble Stone Bedding	0	0	2,155,328
R-P1-Bq-194	F.	Drainage Sluiceway at WF172R+15m			
R-P1-Bq-195	F.1	Preparatory Works			
R-P1-Bq-196	F.1.1	Coffering and Dewatering	75,774,081	145,773,960	41,740,744
R-P1-Bq-197	F.1.2	Clearing and Grubbing	1,294,567	2,495,768	716,163
R-P1-Bq-198	F.1.3	Demolition and Removal of Existing Concrete and Masonry	0	25,725,295	0
R-P1-Bq-199	F.2	Main Structures and Steel Slide Gate			
R-P1-Bq-200	F.2.1	Structural Excavation	0	40,073,599	0
R-P1-Bq-201	F.2.2	Backfill with Selected Soil	0	13,783,528	0
R-P1-Bq-202	F.2.3	Embankment for Dike	10,967,984	0	124,604
R-P1-Bq-203	F.2.4	Solid Sodding	0	269,715	0
R-P1-Bq-204	F.2.5	Furnishing and Driving PC Sheet Pile (K-500, t=220mm)	0	21,060,991	0
R-P1-Bq-205	F.2.6	Leveling Concrete, Type E including Formwork	0	3,540,084	0
R-P1-Bq-206	F.2.7	Concrete for Structure, Type C1 including Formwork	0	101,118,768	0
R-P1-Bq-207	F.2.8	Concrete for Blockout, Type C2 including Formwork	0	1,240,421	0
R-P1-Bq-208	F.2.9	Deformed Reinforcing Bars for Item F.2.7	0	48,423,220	0
R-P1-Bq-209	F.2.10	Water Stop, 200 mm wide	0	1,918,818	0
R-P1-Bq-210	F.2.11	Joint Filler, 10mm thick (Elastic Material)	0	480,426	0
R-P1-Bq-211	F.2.12	Furnishing and Installing Slide Gate, H=1.6m x W=1.6m	0	14,341,887	0
R-P1-Bq-212	F.2.13	Furnishing and Installing Hoist	0	7,258,049	0
R-P1-Bq-213	F.2.14	Furnishing and Installing Anchor Bars and Metal Guide Frames	0	586,378	0

Table 5.3.2 (4/14) DISBURSEMENT SCHEDULE FOR EACH PAYMENT ITEM

ID No.	Item No.	BQ Item	2001	2002	2003
R-P1-Bq-214	F.2.15	Furnishing and Installing Hand Rail and Ladder (with Anti-corrosion Painting)	0	1,537,944	0
R-P1-Bq-215	F.3	Riverside Open Channel and Revetment			
R-P1-Bq-216	F.3.1	Structural Excavation	0	13,220,156	0
R-P1-Bq-217	F.3.2	Backfill with Selected Soil	0	1,621,592	0
R-P1-Bq-218	F.3.3	Filling Existing Open Channel	106,456	114,443	17,944
R-P1-Bq-219	F.3.4	Gravel Bedding	0	4,099,060	0
R-P1-Bq-220	F.3.5	Wet Stone Masonry	0	30,040,206	0
R-P1-Bq-221	F.3.6	Cement Mortar Pointing on Riverside Surface of Wet Stone Masonry	0	3,146,618	0
R-P1-Bq-222	F.3.7	Concrete, Type C1 including Formwork	0	15,153,955	0
R-P1-Bq-223	F.3.8	Deformed Reinforcing Bars for F.3.7	0	8,913,301	0
R-P1-Bq-224	F.3.9	Concrete Type D including Formwork	0	1,676,985	0
R-P1-Bq-225	F.3.10	Joint Filler, 10mm thick (Elastic Material)	0	912,809	0
R-P1-Bq-226	F.3.11	Gabion Cylinder Dia. 500mm (Galvanized and Coated with PVC)	0	52,979,357	0
R-P1-Bq-227	F.3.12	Soil Filling	0	393,710	0
R-P1-Bq-228	F.3.13	Gabion Mattress t=500mm (Galvanized)	0	26,177,999	0
R-P1-Bq-229	F.3.14	Rubble Stone Filling	0	730,184	0
R-P1-Bq-230	F.4	Connecting Channel and Drainage Pipe			
R-P1-Bq-231	F.4.1	Structural Excavation	0	26,027,183	0
R-P1-Bq-232	F.4.2	Backfill with Selected Soil	0	15,810,518	0
R-P1-Bq-233	F.4.3	Gravel Bedding	0	809,691	0
R-P1-Bq-234	F.4.4	Wet Stone Masonry	0	33,378,006	0
R-P1-Bq-235	F.4.5	Mortar Plastering on Surface of Wet Stone Masonry	0	3,591,101	0
R-P1-Bq-236	F.4.6	Furnishing and Installing RC Pipe, Dia.600mm	0	2,612,385	0
R-P1-Bq-237	F.4.7	Concrete, Type D including Formwork	0	9,502,914	0
R-P1-Bq-238	F.4.8	Concrete, Type C1 including Formwork	0	8,208,392	0
R-P1-Bq-239	F.4.9	Deformed Reinforcing Bars for Item F.4.7 and F.4.8	0	12,341,493	0
R-P1-Bq-240	F.5	Reinforcement of Existing Dike			
R-P1-Bq-241	F.5.1	Structural Excavation	0	5,370,689	0
R-P1-Bq-242	F.5.2	Embankment for Dike	8,774,387	0	99,683
R-P1-Bq-243	F.5.3	Solid Sodding	0	359,620	0
R-P1-Bq-244	F.5.4	Gravel Bedding	0	151,817	0
R-P1-Bq-245	F.5.5	Wet Stone Masonry	0	10,013,402	0
R-P1-Bq-246	F.5.6	Cement Mortar Pointing on Surface of Wet Stone Masonry	0	464,017	0
R-P1-Bq-247	F.5.7	Backfill with Selected Soil	0	3,243,183	0
R-P1-Bq-248	G.	Drainage Outlet Works			
R-P1-Bq-249	G.1	Preparatory Works			
R-P1-Bq-250	G.1.1	Coffering and Dewatering	0	20,365,129	21,555,336
R-P1-Bq-251	G.1.2	Clearing and Grubbing	0	2,349,911	2,472,466
R-P1-Bq-252	G.1.3	Demolition of Existing Structure (Concrete and Wet Masonry)			
R-P1-Bq-253	G.2	Outlet Structures			
R-P1-Bq-254	G.2.1	Structural Excavation	0	32,430,696	34,163,072
R-P1-Bq-255	G.2.2	Backfill with Selected Soil	0	9,324,151	9,900,563
R-P1-Bq-256	G.2.3	Furnishing and Driving Log Pile, Dia. 150mm, L=2.0m	0	987,173	1,041,479
R-P1-Bq-257	G.2.4	Gravel Bedding	0	986,811	1,056,934
R-P1-Bq-258	G.2.5	Chipping on Existing Structure	0	406,462	435,955
R-P1-Bq-259	G.2.6	Concrete, Type E including Formwork	0	15,469,663	16,497,572
R-P1-Bq-260	G.2.7	Concrete, Type-C1 including Formwork	0	1,240,421	0
R-P1-Bq-261	G.2.8	Concrete, Type-C2 including Formwork	0	1,173,889	536,183
R-P1-Bq-262	G.2.9	Concrete, Type-D including Formwork	0	816,370	0
R-P1-Bq-263	G.2.10	RC Concrete Pipe, Dia.600mm	0	8,313,367	8,764,391
R-P1-Bq-264	G.2.11	Deformed Reinforcing Bars for G.2.7	0	63,418,212	67,714,451
R-P1-Bq-265	G.2.12	Wet Stone Masonry	0	1,276,048	1,363,660
R-P1-Bq-266	G.2.13	Cement Mortar Pointing on Riverside Surface of Wet Stone Masonry	0	576,511	612,135
R-P1-Bq-267	G.2.14	Joint Filler, 10mm thick (Elastic Material)	0		
R-P1-Bq-268	G.2.15	Drilling, Anchoring Steel Bars in Existing Floodwall and Filling the Hole with Non-shrinkage Mortar	0	1,058,987	1,129,475
R-P1-Bq-269	G.2.16	Plastering on Surface of Wet Masonry	0	314,221	143,914
R-P1-Bq-270	G.2.17	Gabion Mattress t=500mm (Galvanized)	0	15,346,487	6,840,570
R-P1-Bq-271	G.2.18	Gabion Cylinder Dia. 500mm (Galvanized and Coated with PVC)	0	39,333,159	17,589,385
R-P1-Bq-272	G.2.19	Rubble Stone Filling	0	283,960	130,008
R-P1-Bq-273	G.2.20	Soil Filling	0	413,395	186,917
R-P1-Bq-274	G.3	Gate Works			
R-P1-Bq-275	G.3.1	Furnishing and Installing Steel Flap Gate (H=0.7m x W=1.1m)	0	7,728,605	8,135,292
R-P1-Bq-276	G.3.2	Furnishing and Installing Steel Flap Gate (H=0.8m x W=1.4m)	0	9,383,011	9,875,030
R-P1-Bq-277	G.3.3	Furnishing and Installing Steel Flap Gate (H=1.0m x W=1.0m)	0	8,153,854	8,581,878
R-P1-Bq-278	G.3.4	Furnishing and Installing Steel Flap Gate (H=1.0m x W=1.0m)	0	8,153,854	8,581,878
R-P1-Bq-279	G.3.5	Furnishing and Installing Steel Flap Gate (H=0.9m x W=1.1m)	0	8,553,120	9,002,059
R-P1-Bq-280	G.3.6	Furnishing and Installing Steel Flap Gate (H=2.2m x W=1.6m)	0	22,961,100	24,166,406
R-P1-Bq-281	G.3.7	Furnishing Stop Log (H=2.6m x W=1.2m)	0	3,131,390	3,293,923
R-P1-Bq-282	H.	River Amenity and Maintenance Facilities			
R-P1-Bq-283	H.1	Preparatory Works			
R-P1-Bq-284	H.1.1	Coffering and Dewatering	396,526,483	763,479,277	218,799,590
R-P1-Bq-285	H.1.2	Clearing and Grubbing	1,410,154	2,718,604	780,106

Table 5.3.2 (5/14) DISBURSEMENT SCHEDULE FOR EACH PAYMENT ITEM

ID No.	Item No.	BQ Item	2001	2002	2003
R-P1-Bq-286	H.2	Approach Steps, Type-W.A ( 18 places)			
R-P1-Bq-287	H.2.1	Structural Excavation	0	6,651,391	3,002,869
R-P1-Bq-288	H.2.2	Backfill with Selected Soil	0	2,554,007	1,162,240
R-P1-Bq-289	H.2.3	Wet Stone Masonry	0	21,028,144	9,622,580
R-P1-Bq-290	H.2.4	Gravel Bedding	0	1,806,623	829,287
R-P1-Bq-291	H.2.5	Cement Mortar Plastering	0	1,583,192	725,105
R-P1-Bq-292	H.2.6	Cement Mortar Pointing on Riverside Surface of Wet Stone Masonry	0	903,384	413,747
R-P1-Bq-293	H.2.7	Joint Filler, 10mm thick (Elastic Material)	0	5,111,730	2,326,113
R-P1-Bq-294	H.2.8	Drilling, Anchoring Steel Bars in Existing Floodwall and Filling the Hole with Non-shrinkage Mortar	0	3,647,415	1,667,226
R-P1-Bq-295	H.2.9	Concrete Type D including Formwork	0	7,434,633	3,395,826
R-P1-Bq-296	H.2.10	Concrete Type C1 including Formwork	0	13,701,701	6,262,344
R-P1-Bq-297	H.2.11	Deformed Reinforcing Bar for Item H.2.10	0	12,118,661	5,475,485
R-P1-Bq-298	H.3	Approach Steps, Type-W.B ( 6 places)			
R-P1-Bq-299	H.3.1	Structural Excavation	0	4,337,864	1,958,393
R-P1-Bq-300	H.3.2	Backfill with Selected Soil	0	567,557	258,276
R-P1-Bq-301	H.3.3	Furnishing and Driving Log Pile, Dia. 150mm, L=2.0m	0	2,100,705	949,829
R-P1-Bq-302	H.3.4	Gravel Bedding	0	921,023	422,774
R-P1-Bq-303	H.3.5	Rubble Stone Filling	0	1,079,049	494,030
R-P1-Bq-304	H.3.6	Concrete, Type C1 including Formwork	0	8,397,817	3,838,211
R-P1-Bq-305	H.3.7	Concrete, Type D including Formwork	0	6,260,744	2,859,643
R-P1-Bq-306	H.3.8	Deformed Reinforcing Bars for Item H.3.6 and H.3.7	0	7,379,184	3,334,083
R-P1-Bq-307	H.3.9	Gabion Cylinder Dia. 500mm (Galvanized and PVC Coated)	0	21,352,286	9,548,523
R-P1-Bq-308	H.3.10	Joint Filler, 10mm thick (Elastic Material)	0	706,226	321,371
R-P1-Bq-309	H.3.11	Soil Filling	0	275,597	124,612
R-P1-Bq-310	H.4	Approach Steps, Type-G.A ( 7 places)			
R-P1-Bq-311	H.4.1	Structural Excavation	0	4,337,864	1,958,393
R-P1-Bq-312	H.4.2	Backfill with Selected Soil	0	1,135,114	516,551
R-P1-Bq-313	H.4.3	Gravel Bedding	0	1,204,415	552,858
R-P1-Bq-314	H.4.4	Concrete, Type C1 including Formwork	0	16,353,643	7,474,410
R-P1-Bq-315	H.4.5	Concrete, Type D including Formwork	0	7,043,336	3,217,098
R-P1-Bq-316	H.4.6	Deformed Reinforcing Bars for Item H.4.4 and H.4.5	0	8,579,052	3,876,210
R-P1-Bq-317	H.4.7	Gabion Cylinder Dia. 500mm (Galvanized and Coated with PVC)	0	23,599,895	10,553,631
R-P1-Bq-318	H.4.8	Joint Filler, 10mm thick (Elastic Material)	0	2,387,716	1,086,540
R-P1-Bq-319	H.4.9	Soil Filling	0	275,597	124,612
R-P1-Bq-320	H.5	Approach Steps, Type-G.B ( 9 places)			
R-P1-Bq-321	H.5.1	Structural Excavation	0	11,567,637	5,222,381
R-P1-Bq-322	H.5.2	Backfill with Selected Soil	0	1,702,671	774,827
R-P1-Bq-323	H.5.3	Furnishing and Driving Log Pile, Dia. 150mm, L=2.0m	0	718,662	324,941
R-P1-Bq-324	H.5.4	Gravel Bedding	0	7,545,307	3,463,491
R-P1-Bq-325	H.5.5	Concrete, Type C1 including Formwork	0	17,679,614	8,080,444
R-P1-Bq-326	H.5.6	Concrete, Type D including Formwork	0	30,521,125	13,940,760
R-P1-Bq-327	H.5.7	Deformed Reinforcing Bars for Item H.5.5 and H.5.6	0	27,296,983	12,333,396
R-P1-Bq-328	H.5.8	Gabion Cylinder Dia. 500mm (Galvanized and Coated with PVC)	0	89,904,364	40,204,308
R-P1-Bq-329	H.5.9	Soil Filling	0	688,992	311,529
R-P1-Bq-330	H.5.10	Joint Filler, 10mm thick (Elastic Material)	0	2,522,235	1,147,753
R-P1-Bq-331	H.5.11	Gabion Mattress t=500mm (Galvanized) on Riverbed	0	31,594,137	14,080,771
R-P1-Bq-332	H.5.12	Rubble Stone Filling	0	1,022,257	468,028
R-P1-Bq-333	H.6	Mooring Facilities			
R-P1-Bq-334	H.6.1	Structural Excavation	0	51,475,984	23,239,593
R-P1-Bq-335	H.6.2	Backfill with Selected Soil	0	1,135,114	516,551
R-P1-Bq-336	H.6.3	Furnishing and Driving PC Sheet Pile (K-500, t=220mm,	0	176,912,326	78,571,215
R-P1-Bq-337	H.6.4	Gravel Bedding	0	2,160,862	991,892
R-P1-Bq-338	H.6.5	Rubble Stone Bedding	0	14,157,369	6,498,314
R-P1-Bq-339	H.6.6	Stone Facing (Dia.250 to 400mm)	0	24,949,774	11,437,157
R-P1-Bq-340	H.6.7	Concrete, Type C1 including Formwork	0	11,491,749	5,252,288
R-P1-Bq-341	H.6.8	Concrete, Type D including Formwork	0	36,781,868	16,800,402
R-P1-Bq-342	H.6.9	Deformed Reinforcing Bars for Item H.6.7 and H.6.8	0	12,898,574	5,827,868
R-P1-Bq-343	H.6.10	Joint Filler, 10mm thick (Elastic Material)	0	538,077	244,854
R-P1-Bq-344	H.6.11	Gabion Mattress t=500mm (Galvanized) on Riverbed	0	30,330,372	13,517,540
R-P1-Bq-345	H.6.12	Rubble Stone Filling	0	397,544	182,011
R-P1-Bq-346	H.6.13	Furnishing and Driving Log Pile, Dia. 150mm, L=2.0m	0	1,713,733	774,860
R-P1-Bq-347	H.7	Walkway along Riverbank (3.0m wide)			
R-P1-Bq-348	H.7.1	Structural Excavation	0	353,680,499	159,674,284
R-P1-Bq-349	H.7.2	Embankment	0	67,423,093	30,652,636
R-P1-Bq-350	H.7.3	Gravel Pavement, 200mm thick	0	1,088,265,815	498,630,230
R-P1-Bq-351	H.7.4	Penetration Macadam Pavement 200mm thick	0	278,160,810	126,914,521
R-P1-Bq-352	H.7.5	Solid Sodding	0	483,581,339	222,279,920
R-P1-Bq-353	H.8	Approach Road for Maintenance (4.0m wide)			
R-P1-Bq-354	H.8.1	Structural Excavation	0	19,086,601	8,616,928
R-P1-Bq-355	H.8.2	Embankment	0	14,800,191	6,728,627
R-P1-Bq-356	H.8.3	Penetration Macadam Pavement 200mm thick	0	6,965,894	3,178,281
R-P1-Bq-357	H.8.4	Solid Sodding	0	1,384,538	636,408
R-P1-Bq-358	H.9	Tree Planting and Relocation of Existing Tree			

Table 5.3.2 (6/14) DISBURSEMENT SCHEDULE FOR EACH PAYMENT ITEM

ID No.	Item No.	BQ Item	2001	2002	2003
R-P1-Bq-359	H.9.1	Tree Planting (Angsana, Goldogan, Flamboyant) Relocation of Existing Trees (Rare species such as Trembesi, Flamboyant, Dadap and Pines)	0	89,644,285	41,205,306
R-P1-Bq-360	H.9.2		0	8,386,137	3,854,660
R-P1-Bq-361	I	Waterlevel Gauging Station			
R-P1-Bq-362	I.1	Preparatory Work			
R-P1-Bq-363	I.1.1	Coffering and Dewatering	0	14,640,946	6,591,315
R-P1-Bq-364	I.1.2	Clearing and Grubbing	0	1,871,826	844,049
R-P1-Bq-365	I.2	Well Type Water Level Gauging Station	0	0	0
R-P1-Bq-366	I.2.1	Structural Excavation	0	59,284,139	26,764,700
R-P1-Bq-367	I.2.2	Backfill with Selected Soil	0	55,620,590	25,311,006
R-P1-Bq-368	I.2.3	Gravel Bedding	0	35,424	16,261
R-P1-Bq-369	I.2.4	Concrete, Type E including Formwork	0	550,680	251,077
R-P1-Bq-370	I.2.5	Concrete, Type C1 including Formwork	0	24,731,458	11,248,132
R-P1-Bq-371	I.2.6	Concrete Type D including Formwork	0	391,296	178,728
R-P1-Bq-372	I.2.7	Deformed Reinforcing Bars including Anchor bars for Gauging	0	10,350,434	4,676,176
R-P1-Bq-373	I.2.8	Furnishing and Placing Concrete Pipe, Dia.600mm, L=10.2m	0	1,600,086	724,360
R-P1-Bq-374	I.2.9	Furnishing and Placing Concrete Pipe, Dia.300mm, L=6.6m	0	914,335	413,920
R-P1-Bq-375	I.2.10	Gabion Mattress 1=500mm (Galvanized)	0	27,495,790	12,256,022
R-P1-Bq-376	I.2.11	Rubble Stone Filling	0	56,792	26,002
R-P1-Bq-377	I.2.12	Steel Maintenance Steps (with Anti-corrosion Painting)	0	1,609,885	737,056
R-P1-Bq-378	I.2.13	Steel Hand Rail (with Anti-corrosion Painting)	0	453,289	206,490
R-P1-Bq-379	I.2.14	Steel Ladder (with Anti-corrosion Painting) Gauging House (including Reinforced Concrete, Hollow Concrete Block, Plastering, Roofing, Steel Door)	0	13,614,850	6,171,621
R-P1-Bq-380	I.2.15		0	1,750,379	791,629
R-P1-Bq-381	I.2.16	Installation of Water Level Gage and Related Apparatus and Setting Bench Mark	0	13,835	6,353
R-P1-Bq-382	I.2.17				
R-P1-Bq-383	J	Supplying Maintenance Equipment			
R-P1-Bq-384	J.1				
R-P1-Bq-385	J.1.1	Backhoe, 0.35m3			
R-P1-Bq-386	J.1.2	Truck, 8t			
R-P1-Bq-387	J.1.3	Bulldozer, 11t			
R-P1-Bq-388	J.1.4	Patrol Car, 4WD			
R-P1-Bq-389	J.1.5	Outboard Motor Boat	0	0	2,479,037,494
		Total	34,541,274,098	60,893,765,314	25,002,670,218

Table 5.3.2 (7/14) DISBURSEMENT SCHEDULE FOR EACH PAYMENT ITEM

Package-2					
ID No.	Item No.	BQ Item	2001	2002	2003
R-P2-Bq-1	A	General			
R-P2-Bq-2	A.1	Mobilization and Demobilization	83,676,564	53,132,547	26,207,502
R-P2-Bq-3	A.2	Establishment			
R-P2-Bq-4	A.2.1	Temporary Construction Road and Bridge	124,139,033	132,247,018	70,474,474
R-P2-Bq-5	A.2.2	Contractor's Site Office and Facilities	472,872,753	504,405,858	269,136,355
R-P2-Bq-6	A.2.3	Engineer's Site Office and Facilities	38,890,497	41,483,876	22,134,594
R-P2-Bq-7	A.3	Drawings	28,128,624	30,106,937	16,117,678
R-P2-Bq-8	A.4	Surveying	919,573	986,022	528,787
R-P2-Bq-9	A.5	Geological Investigation			
R-P2-Bq-10	A.5.1	Auger Boring	1,133,441	1,215,345	651,769
R-P2-Bq-11	A.5.2	Rotary Boring	18,309,438	19,632,499	10,528,577
R-P2-Bq-12	B	Preparatory and Temporary Works			
R-P2-Bq-13	B.1	Clearing and Grubbing	31,824,776	33,465,975	30,181,137
R-P2-Bq-14	B.2	Demolition and Removal of Existing Weir, Intake Structures and	1,283,045,634	1,957,275,283	0
R-P2-Bq-15	B.3	Temporary Works for Construction of Weir and Intake Structures (Including Coffering, Dewatering, Channel Diversion for Semarang River and Left Bank Irrigation Channel, Channel Diversion for Drainage on Left Bank, Earth Retaining Wall and Others)	364,870,706	382,922,935	344,644,473
R-P2-Bq-16	B.4	Coffering and Dewatering for Construction of Revetment in upstream and downstream channels	993,007,446	1,042,337,746	938,323,853
R-P2-Bq-17	C.	Earth Work			
R-P2-Bq-18	C.1.	Channel Excavation			
R-P2-Bq-19	C.1.1	Excavation below Water Level (Low water level shown on the cross sections)	449,544,929	679,980,050	0
R-P2-Bq-20	C.1.2	Excavation above Water Level (Low water level shown on the cross sections)	92,756,453	140,319,814	0
R-P2-Bq-21	C.2	Weir and Intake Structures			
R-P2-Bq-22	C.2.1	Structural Excavation	396,048,263	600,082,825	0
R-P2-Bq-23	C.2.2	Soft Rock Excavation	18,040,876	27,273,211	0
R-P2-Bq-24	C.2.3	Earthfill on Riverbed with Selected Soil	60,125,306	64,010,988	83,575,232
R-P2-Bq-25	C.2.4	Backfill with Selected Soil	144,351,762	153,195,809	199,397,347
R-P2-Bq-26	C.2.5	Embankment for Dike	7,784,684	8,253,652	10,732,576
R-P2-Bq-27	C.2.6	Solid Sodding	1,689,568	1,811,587	2,381,708
R-P2-Bq-28	C.3	Approach Road and Bridge			
R-P2-Bq-29	C.3.1	Structural Excavation	3,539,447	5,362,426	0
R-P2-Bq-30	C.3.2	Backfill Gravel	1,180,234	1,263,484	1,658,589
R-P2-Bq-31	C.3.3	Backfill with Selected Soil	473,673	502,693	654,298
R-P2-Bq-32	C.3.4	Embankment for Road	5,037,148	5,340,598	6,944,608
R-P2-Bq-33	C.3.5	Gravel Bedding	293,035	313,755	411,933
R-P2-Bq-34	D.	Foundation Piles and Seepage Blocking Sheet Piles			
R-P2-Bq-35	D.1	Main Weir Structure (Gate Pier, Gate Floor Slab, Apron, Approach Wall and Riverbed Partition)			
R-P2-Bq-36	D.1.1	PC Pile for Test Piling, Dia. 600 mm Type-A	17,660,029	45,084,760	0
R-P2-Bq-37	D.1.2	Furnishing and Driving PC Piles, Dia. 600mm Type-A	612,654,761	1,559,940,832	0
R-P2-Bq-38	D.1.3	PC Pile for Test Piling, Dia. 450 mm Type-A	5,062,636	12,944,155	0
R-P2-Bq-39	D.1.4	Furnishing and Driving PC Piles, Dia. 450mm Type-A	207,168,651	527,940,835	0
R-P2-Bq-40	D.1.5	PC Pile for Test Piling, Dia. 400 mm Type-A	2,607,260	6,665,352	0
R-P2-Bq-41	D.1.6	Furnishing and Driving PC Piles, Dia. 400mm Type-A	64,317,204	163,842,137	0
R-P2-Bq-42	D.1.7	Concrete Filling in Pile Holes, Concrete Type D	2,641,608	6,877,204	0
R-P2-Bq-43	D.1.8	Cutting Pile Head	4,995,232	12,809,519	0
R-P2-Bq-44	D.1.9	Furnishing and Driving Steel Sheet Pile, Type II	380,955,283	965,798,875	0
R-P2-Bq-45	D.1.10	Furnishing and Driving PC Sheet Pile (Prestressed Concrete K-500, t=220mm, w=500mm)	335,162,122	850,139,297	0
R-P2-Bq-46	D.2	Right and Left Bank Intakes Structures (Box Culvert, Breast Wall and Upstream Approach Wall)			
R-P2-Bq-47	D.2.1	PC Pile for Test Piling, Dia. 600 mm Type-A	5,342,530	13,639,087	0
R-P2-Bq-48	D.2.2	Furnishing and Driving PC Piles, Dia. 600mm Type-A	82,444,275	209,919,516	0
R-P2-Bq-49	D.2.3	PC Pile for Test Piling, Dia. 350 mm Type-A	2,727,073	6,979,704	0
R-P2-Bq-50	D.2.4	Furnishing and Driving PC Piles, Dia. 350mm Type-A	74,362,958	189,565,710	0
R-P2-Bq-51	D.2.5	Furnishing and Driving Steel Sheet Pile, Type II	150,526,146	381,614,298	0
R-P2-Bq-52	D.2.6	Furnishing and Driving Concrete Sheet Pile (Prestressed Concrete K-500, t=220mm, w=500mm)	11,530,409	29,246,903	0
R-P2-Bq-53	D.2.7	Cutting Pile Head	666,031	1,707,936	0
R-P2-Bq-54	D.3	Approach Bridge			
R-P2-Bq-55	D.3.1	PC Pile for Test Piling, Dia. 500 mm Type-A	2,608,742	6,679,090	0
R-P2-Bq-56	D.3.2	Furnishing and Driving PC Piles, Dia. 500mm Type-A	14,903,855	38,076,590	0
R-P2-Bq-57	D.3.3	Cutting Pile Head	111,005	284,656	0
R-P2-Bq-58	E.	Concrete Work			
R-P2-Bq-59	E.1	Main Weir Structure (Gate Pier, Gate Floor Slab, Apron, Approach Wall and Riverbed Partition)			
R-P2-Bq-60	E.1.1	Leveling Concrete, Type-E including Formwork	108,754,397	79,848,558	84,947,758
R-P2-Bq-61	E.1.2	Concrete Type B including Formwork for Gate Floor Slab, Pier Footing and Apron	1,238,247,250	908,098,422	965,007,646
R-P2-Bq-62	E.1.3	Deformed Reinforcing Bar for Item E.1.2	701,263,704	510,147,224	537,780,009

Table 5.3.2 (8/14) DISBURSEMENT SCHEDULE FOR EACH PAYMENT ITEM

ID No.	Item No.	BQ Item	2001	2002	2003
R-P2-Bq-63	E.1.4	Concrete Type B including Scaffolding and Formwork for Gate Piers, Operation Decks and Approach Walls	950,435,800	696,202,216	738,970,515
R-P2-Bq-64	E.1.5	Deformed Reinforcing Bar for Item E.1.4	573,183,387	416,972,833	439,558,707
R-P2-Bq-65	E.1.6	Concrete Type D including Formwork for Riverbed Partition	57,301,571	42,148,220	44,920,225
R-P2-Bq-66	E.1.7	Concrete Type D including Formwork for Steps in Gate Pier	2,203,907	1,621,085	1,727,701
R-P2-Bq-67	E.1.8	Concrete Type B including Formwork for Pile Head Treatment Work	24,687,373	18,113,376	19,257,204
R-P2-Bq-68	E.1.9	Deformed Reinforcing Bar for Item E.1.8	83,835,507	60,992,688	64,301,716
R-P2-Bq-69	E.1.10	Concrete Type-C2 including Formwork for Blockout in Gate Pier and Floor Slab and Floor of Control House	36,665,345	26,979,162	28,763,905
R-P2-Bq-70	E.1.11	Steel Anchor Bars for Item E.1.10	7,686,630	5,592,239	5,895,634
R-P2-Bq-71	E.1.12	Precast Concrete Blocks and their Installation (Cross-shape Block with Anchor Bars, 2U/piece)	438,125,031	320,054,076	338,796,523
R-P2-Bq-72	E.1.13	Joint Filler 10mm thick (Elastic Material)	23,519,684	17,234,313	18,299,267
R-P2-Bq-73	E.1.14	Water Stop, 300mm wide	32,858,439	23,475,544	24,295,300
R-P2-Bq-74	E.1.15	Dowel Bar, Dia.19mm 1.0m long (Round Bar and PVC Pipe)	52,766,890	38,568,223	40,849,456
R-P2-Bq-75	E.1.16	Steel Anchor Bars for Maintenance Step and Control House Erection	1,332,349	969,321	1,021,910
R-P2-Bq-76	E.2	Right and Left Bank Intake Structures (Box Culvert, Breast Wall, Approach Channel and Upstream Approach Wall)			
R-P2-Bq-77	E.2.1	Leveling Concrete, Type-E	13,671,981	10,038,104	10,679,147
R-P2-Bq-78	E.2.2	Concrete Type B including Scaffolding and Form	333,952,518	244,623,028	259,650,430
R-P2-Bq-79	E.2.3	Deformed Reinforcing Bar for Item E.2.2	277,998,559	202,235,182	213,189,513
R-P2-Bq-80	E.2.4	Concrete Type B including Formwork for Pile Head Treatment Work	2,468,737	1,811,338	1,925,720
R-P2-Bq-81	E.2.5	Deformed Reinforcing Bar for Item E.2.4	14,314,212	10,413,992	10,978,981
R-P2-Bq-82	E.2.6	Concrete Type-C2 for Blockout in Gate Pier	2,688,792	1,978,472	2,109,353
R-P2-Bq-83	E.2.7	Anchor Bars for Item E.2.6	1,434,838	1,043,885	1,100,518
R-P2-Bq-84	E.2.8	Concrete Type D for Concrete Lining on Channel Bed and Leaning	3,085,469	2,269,520	2,418,781
R-P2-Bq-85	E.2.9	Joint Filler, 10mm thick (Elastic Material)	1,197,850	877,738	931,976
R-P2-Bq-86	E.2.10	Water Stop, 300mm wide	1,411,696	1,008,579	1,043,798
R-P2-Bq-87	E.3	Maintenance Bridges (21.0m long PC Girder and 8.35m long RC Girder)			
R-P2-Bq-88	E.3.1	Precast Prestressed Concrete Beam including Reinforcing Bars, Tension Reinforcing and Erection (Concrete Type A2, PC Cable)	301,405,774	0	352,798,882
R-P2-Bq-89	E.3.2	Precast Prestressed Concrete Diaphragm including Reinforcing Bars, Tensioning and Erection (Concrete Type A2, PC Cable)	3,713,863	0	4,354,950
R-P2-Bq-90	E.3.3	Concrete Type B including Scaffolding and Form for Slab and Beam for RC Girder	131,886,956	0	154,345,491
R-P2-Bq-91	E.3.4	Deformed Reinforcing Bars for Items E.3.3	131,364,883	0	151,854,604
R-P2-Bq-92	E.3.5	Elastomeric Bearing Pad (350x280x73)	27,760,601	0	32,176,829
R-P2-Bq-93	E.3.6	Elastomeric Bearing Pad (310x210x24)	12,938,979	0	15,061,130
R-P2-Bq-94	E.3.7	Rubber Sheet (200x200x30)	8,059,496	0	9,325,987
R-P2-Bq-95	E.3.8	Drain Pipe, PVC Pipe, Dia.100	13,887,979	0	16,302,094
R-P2-Bq-96	E.4	Approach Bridges and Walls (13.0 and 9.0 m long RC Girders, Abutments and Earth Retaining Walls)			
R-P2-Bq-97	E.4.1	Leveling Concrete, Type E including Formwork	2,900,117	0	3,414,649
R-P2-Bq-98	E.4.2	Concrete Type B including Scaffolding and Form for Abutments	43,140,348	0	50,560,733
R-P2-Bq-99	E.4.3	Deformed Reinforcing Bars for Items E.4.2	35,130,060	0	40,609,494
R-P2-Bq-100	E.4.4	Concrete Type B including Scaffolding and Form for Concrete Beam	45,759,888	0	53,825,133
R-P2-Bq-101	E.4.5	Deformed Reinforcing Bars for Items E.4.4	65,123,178	0	75,280,807
R-P2-Bq-102	E.4.6	Concrete Type B including Form for Retaining Wall	19,786,758	0	23,367,549
R-P2-Bq-103	E.4.7	Deformed Reinforcing Bars for Items E.4.6	20,672,052	0	23,896,388
R-P2-Bq-104	E.4.8	Concrete Type D including Form Work	2,988,162	0	3,556,933
R-P2-Bq-105	E.4.9	Elastomeric Bearing Pad (310x210x24)	12,938,979	0	15,061,130
R-P2-Bq-106	E.4.10	Drain Pipe, PVC Pipe, Dia.100	1,358,171	0	1,599,923
R-P2-Bq-107	E.4.11	Joint Filler, 10mm thick (Elastic Material)	177,459	0	208,126
R-P2-Bq-108	E.4.12	Weep Hole, Dia.50mm including Filter Cloth	249,497	0	297,335
R-P2-Bq-109	E.5	U-shape Concrete Channel on Left Bank (to be connected with the existing concrete channel)			
R-P2-Bq-110	E.5.1	Chipping of Existing Concrete	63,684	47,150	50,571
R-P2-Bq-111	E.5.2	Leveling Concrete, Type-E including Formwork	1,398,271	1,026,624	1,092,185
R-P2-Bq-112	E.5.3	Concrete Type-C1 including Formwork and Scaffolding	29,909,971	21,905,006	23,246,140
R-P2-Bq-113	E.5.4	Deformed Reinforcing Bars for E.5.3	10,084,505	7,336,159	7,733,532
R-P2-Bq-114	E.5.5	Water Stop, 200mm wide	1,119,621	799,907	827,840
R-P2-Bq-115	E.5.6	Joint Filler, 10mm thick (Elastic Material)	57,040	41,797	44,380
R-P2-Bq-116	F.	Stone and Masonry			
R-P2-Bq-117	F.1	Wet Masonry			
R-P2-Bq-118	F.1.1	Wet Stone Masonry on Side Slope of 1:2 and 1:1.5	122,591,301	314,020,285	223,528,966
R-P2-Bq-119	F.1.2	Wet Stone Masonry for Earth Retaining Type Wall in Downstream Channel	59,419,253	152,203,710	108,343,121
R-P2-Bq-120	F.1.3	Wet Stone Masonry for Leaning Wall for Connecting Channel of Senarang River and Left Irrigation Channel	22,516,770	57,677,195	41,056,341
R-P2-Bq-121	F.1.4	Weep Hole, Dia.50mm including Filter Cloth	1,442,671	3,704,291	2,642,979
R-P2-Bq-122	F.1.5	Cement Mortar Pointing on Riverside Surface of Wet Stone Masonry	20,442,849	52,410,770	37,339,483
R-P2-Bq-123	F.1.6	Furnishing and Driving Log Pile, Dia. 150mm, L=2.0m	1,423,062	3,601,208	2,532,877
R-P2-Bq-124	F.2	Stone			
R-P2-Bq-125	F.2.1	Gravel Bedding	24,265,229	62,354,293	44,523,480



Table 5.3.2 (9/14) DISBURSEMENT SCHEDULE FOR EACH PAYMENT ITEM

ID No.	Item No.	BQ Item	2001	2002	2003
R-P2-Bq-126	F.2.2	Backfill Gravel	4,974,751	12,781,571	9,125,149
R-P2-Bq-127	F.2.3	Rubble Stone Filling	20,376,736	52,222,736	37,192,652
R-P2-Bq-128	F.2.4	Gabion Mattress, 3.0m x 1.5m x 0.5m (Galvanized and PVC Coated)	198,576,098	497,592,628	346,513,280
R-P2-Bq-129	F.2.5	Gabion Mattress, 2.0m x 1.0m x 0.3m (Galvanized and PVC Coated)	3,247,215	8,116,155	5,637,202
R-P2-Bq-130	F.2.6	Geotextile Filter Cloth	12,630,269	31,564,342	21,920,650
R-P2-Bq-131	F.2.7	Palm Fiber	14,929,140	38,243,454	27,224,312
R-P2-Bq-132	F.2.8	Gabion Cylinder Dia.500mm (Galvanized and Coated with PVC)	2,308,911	5,779,566	4,020,431
R-P2-Bq-133	F.2.9	Soil Filling	37,339	94,490	66,460
R-P2-Bq-134	G.	Metal Work and Mechanical Work			
R-P2-Bq-135	G.1	Gate			
R-P2-Bq-136	G.1.1	Furnishing and Installing Shell Type Steel Roller Gate, H=3.7m x L=18.5m x 3 gates (Flood Discharge Gate)	3,534,753,567	0	5,746,296,072
R-P2-Bq-137	G.1.2	Furnishing and Installing Hoist, and Operating and Electrical Equipment for Flood Discharge Gate (3 gates)	4,834,400,369	0	7,796,167,091
R-P2-Bq-138	G.1.3	Furnishing and Installing Girder Type Steel Roller Gate, H=4.35m x L=5.5m x 2 gates (Sediment Flush Gate)	555,281,166	0	914,981,466
R-P2-Bq-139	G.1.4	Furnishing and Installing Hoist, and Operating and Electrical Equipment for Sediment Flush Gate (2 gates)	1,056,340,007	0	1,709,069,605
R-P2-Bq-140	G.1.5	Furnishing and Installing Steel Slide Gate, H=2.0m x W=2.25m x 4 gates (Right Intake Gate)	202,787,605	0	331,710,403
R-P2-Bq-141	G.1.6	Furnishing and Installing Hoist, and Operating and Electrical Equipment for Right Intake Gate (4 gates)	473,219,000	0	762,347,189
R-P2-Bq-142	G.1.7	Furnishing and Installing Steel Slide Gate, H=2.0m x W=2.0m x 2 gates (Left Intake Gate)	82,512,735	0	134,646,017
R-P2-Bq-143	G.1.8	Furnishing and Installing Hoist, and Operating and Electrical Equipment for Left Intake Gate (2 gates)	232,327,718	0	374,095,816
R-P2-Bq-144	G.1.9	Furnishing Steel Temporary Gate(including Gate Panels and Posts)	584,466,325	0	962,612,115
R-P2-Bq-145	G.1.10	Furnishing and Installing Steel Guide Frame for Flood Discharge	5,744,123,389	0	9,203,784,234
R-P2-Bq-146	G.1.11	Furnishing and Installing Steel Guide Frame for Sediment Flush	349,700,888	0	577,672,416
R-P2-Bq-147	G.1.12	Furnishing and Installing Steel Guide Frame for Right Intake Gate	162,560,144	0	265,384,416
R-P2-Bq-148	G.1.13	Furnishing and Installing Steel Guide Frame for Left Intake Gate	80,111,663	0	130,481,386
R-P2-Bq-149	G.1.14	Furnishing and Installing Steel Guide Frame for Temporary Gate (in the Gate Piers, Floor Slabs and Bridge Super-structure)	279,646,598	0	465,560,020
R-P2-Bq-150	G.2	Weir and Intake Structures			
R-P2-Bq-151	G.2.1	Steel Hand Rails (with Anti-corrosion Painting)	1,036,200	0	1,755,168
R-P2-Bq-152	G.2.2	Steel Spiral Stairs (with Anti-corrosion Painting)	23,629,100	0	39,702,203
R-P2-Bq-153	G.2.3	Steel Fence (with Anti-corrosion Painting)	23,890,770	0	40,467,473
R-P2-Bq-154	G.3	Road and Bridge			
R-P2-Bq-155	G.3.1	Furnishing and Installing Metal Hand Rails in Maintenance and Approach Bridges	39,704,693	0	67,042,656
R-P2-Bq-156	G.3.2	Expansion Joint, Steel Profile (75mm x 75mm x 6mm)	680,821	0	1,136,144
R-P2-Bq-157	G.3.3	Car Barrier	1,855,141	0	3,124,104
R-P2-Bq-158	H.	Road Pavement			
R-P2-Bq-159	H.1	Pavement on Bridge			
R-P2-Bq-160	H.1.1	Bituminous Prime Coat	5,440,155	0	6,376,125
R-P2-Bq-161	H.1.2	Bituminous Surface Course, 50mm thick	17,154,259	0	20,031,201
R-P2-Bq-162	H.2	Pavement on Approach Road			
R-P2-Bq-163	H.2.1	Sub-Base Course (Class C)	6,853,534	0	8,117,937
R-P2-Bq-164	H.2.2	Base Course (Class A)	5,374,147	0	6,364,269
R-P2-Bq-165	H.2.3	Asphalt Treatment Base (A.T.B.) on the Bridge	6,926,456	0	8,092,429
R-P2-Bq-166	H.2.4	Bituminous Prime Coat	9,444,244	0	11,069,112
R-P2-Bq-167	H.2.5	Bituminous Surface Course, 50mm thick	879,414	0	1,026,900
R-P2-Bq-168	I	Miscellaneous Work			
R-P2-Bq-169	I.1				
R-P2-Bq-170	I.1.1	Furnishing and Installing Water Level Gage (Pressure Gauge Type) consisting of Pole Type Protective Pipe, sensor, cable and Converter)	136,316,809	0	151,496,140
R-P2-Bq-171	I.1.2	Furnishing and Installing Water Level Gauging Staff	56,503,131	0	66,990,205
R-P2-Bq-172	I.1.3	Steel Ladder (with Anti-corrosion Painting)	3,658,274	0	4,299,669
R-P2-Bq-173	I.1.4	Information Board	462,793	0	553,969
R-P2-Bq-174	I.1.5	Name Plate for Weir and Bridge	371,077	0	441,506
R-P2-Bq-175	I.1.6	Storage Facility for Temporary Gate	8,360,003	0	9,899,613
R-P2-Bq-176	I.1.7	Tree Planting (Angsana, Glodogan, Flamboyan)	1,021,856	0	1,223,078
R-P2-Bq-177	I.1.8	Furnishing and Installing Rain Gage Equipment, Tipping Bucket Type (consisting of Rainfall collector, Tipping Bucket, A/D Converter, Concrete Base, Cables and Automatic Rainfall Recorder)	12,468,378	0	14,159,947
R-P2-Bq-178	I.1.9	Furnishing and Installing Siren	14,292,993	0	16,173,774
R-P2-Bq-179	J	Electrical Work			
R-P2-Bq-181	J.1.1	Furnishing and Installing Remote Control Panel for Gate Operation at Operation/Maintenance Office	293,874,407	0	472,467,833
R-P2-Bq-182	J.1.2	Cable Laying between Operation/Maintenance Office and Each Control House	453,330,356	0	738,680,040
R-P2-Bq-183	J.1.3	Engine Generator Set 250kVA with Radiator cooling system, Silencer, Exhaust sytem and Fuel System)	33,153,604	0	53,447,499
R-P2-Bq-184	J.1.4	Furnishing and Installing Air Ventilation	32,491,993	0	52,919,794
R-P2-Bq-185	J.1.5	Furnishing and Installing Switching Panel	13,551,216	0	21,986,794

Table 5.3.2 (10/14) DISBURSEMENT SCHEDULE FOR EACH PAYMENT ITEM

ID No.	Item No.	BQ Item	2001	2002	2003
R-P2-Bq-186	J.1.6	Furnishing and Installing Lighting Equipment for Weir and Maintenance Bridge (consisting of Mercury Vapor Lamp 400W)	19,488,455	0	33,587,912
R-P2-Bq-187	J.1.7	Furnishing and Installing Lighting Protection for Control Houses, 4	8,383,997	0	14,463,288
R-P2-Bq-188	K	Simongan Weir Management Complex			
R-P2-Bq-189	K.1	Entrance Bridge			
		Demolition and Removal of Existing Concrete and Wet Masonry			
R-P2-Bq-190	K.1.1	Structures	11,194,411	16,963,562	0
R-P2-Bq-191	K.1.2	Structural Excavation	482,652	731,240	0
R-P2-Bq-192	K.1.3	Backfill with Selected Soil	192,525	141,078	149,800
R-P2-Bq-193	K.1.4	Leveling Concrete, Type-E including Formwork	310,727	228,139	242,708
R-P2-Bq-194	K.1.5	Concrete Type-C1, including Scaffolding and Formwork	25,085,782	18,371,940	19,496,763
R-P2-Bq-195	K.1.6	Deformed Reinforcing Bars for Item K.1.5	12,889,702	9,376,852	9,884,761
R-P2-Bq-196	K.1.7	Wet Stone Masonry for Channel Revetment and Wall	3,940,435	2,903,887	3,100,609
R-P2-Bq-197	K.1.8	Gravel Bedding	337,463	249,486	267,215
R-P2-Bq-198	K.1.9	Weep Hole, Dia.50mm including Filter Cloth	71,285	52,659	56,358
R-P2-Bq-199	K.1.10	Cement Mortar Pointing on Surface of Wet Stone Masonry	330,669	243,899	260,645
R-P2-Bq-200	K.1.11	Joint Filler 10mm thick (Elastic Material)	228,162	167,188	177,519
R-P2-Bq-201	K.1.12	Asphalt Treatment Base (A.T.B.)	2,452,224	1,793,445	1,900,651
R-P2-Bq-202	K.1.13	Bituminous Prime Coat	1,216,432	0	1,425,717
R-P2-Bq-203	K.1.14	Base Course (Class A)	537,415	0	636,427
R-P2-Bq-204	K.1.15	Sub-Base Course (Class C)	761,504	0	901,993
R-P2-Bq-205	K.2	Demolition and Removal of Existing Storage Houses	2,974,824	4,499,427	0
R-P2-Bq-206	K.3	Building			
R-P2-Bq-207	K.3.1	grading, foundation, reinforced concrete, roofing, concrete block, brick, plastering, door&Windows, glazing, miscellaneous metal, reinforced concrete, roofing, concrete block, brick, plastering,	366,454,473	130,070,430	0
R-P2-Bq-208	K.3.2	door&Windows, glazing, miscellaneous metal, interior finishing, tile, reinforced concrete, roofing, concrete block, brick, plastering,	123,215,436	43,879,904	0
R-P2-Bq-209	K.3.3	door&Windows, glazing, miscellaneous metal, interior finishing, tile, filling, grading, foundation, reinforced concrete, roofing, concrete	316,407,727	112,702,029	0
R-P2-Bq-210	K.3.4	block, brick, plastering, door&Windows, glazing, miscellaneous reinforced concrete, roofing, concrete block, brick, plastering,	118,987,462	42,178,834	0
R-P2-Bq-211	K.3.5	door&Windows, glazing, miscellaneous metal, interior finishing, tile, reinforced concrete, roofing, concrete block, brick, plastering,	61,071,365	21,700,114	0
R-P2-Bq-212	K.3.6	door&Windows, glazing, miscellaneous metal, interior finishing, tile, foundation, reinforced concrete, roofing, concrete block, brick,	245,283,797	87,344,978	0
R-P2-Bq-213	K.3.7	plastering, door&Windows, glazing, miscellaneous metal, interior Intake Gate Shed on Right Bank (including steel colum and beam,	399,530,506	141,199,806	0
R-P2-Bq-214	K.3.8	roofing, steel handrail, electrical works and painting works) Intake Gate Shed on Left Bank (including steel colum and beam,	43,717,565	15,387,041	0
R-P2-Bq-215	K.3.9	roofing, steel handrail, electrical works and painting works)	27,200,591	9,572,084	0
R-P2-Bq-216	L	Preservation of Existing Simongan Weir			
R-P2-Bq-217	L.1	Cutting and Dismantling Part of the Existing Weir and Transporting of Operation Shed, etc. and Transporting them to the Preservation			
R-P2-Bq-218	L.1.1	Site	36,770,407	0	0
R-P2-Bq-219	L.1.2	Cutting and Dismantling Part of the Existing Wet Masonry Weir into Blocks and Transporting them to the Presevation Site	10,302,625,570	0	0
R-P2-Bq-220	L.2	Assembling Work at Preservation Site			
R-P2-Bq-221	L.2.1	Structural Excavation	6,435,359	0	0
R-P2-Bq-222	L.2.2	Earth Fill	7,492,282	0	0
R-P2-Bq-223	L.2.3	Backfill with Selected Soil	1,375,179	0	0
R-P2-Bq-224	L.2.4	Gravel Bedding	556,767	596,135	782,673
R-P2-Bq-225	L.2.5	Rubble Stone Bedding	469,902	0	0
R-P2-Bq-226	L.2.6	Backfill with Gravel	4,695,556	0	0
R-P2-Bq-227	L.2.7	Leveling Concrete, Type-E including Formwork	18,125,733	0	0
R-P2-Bq-228	L.2.8	Concrete, Type C1 including Scaffolding and Formwork	35,607,108	0	0
R-P2-Bq-229	L.2.9	Concrete Type D including Form Work	54,533,957	0	64,914,035
R-P2-Bq-230	L.2.10	Deformed Reinforcing Bars for Item L.2.8	16,908,962	0	0
R-P2-Bq-231	L.2.11	Wet Stone Masonry	50,037,266	0	0
R-P2-Bq-232	L.2.12	Cement Mortar Pointing on Riverside Surface of Masonry	1,004,496	0	0
R-P2-Bq-233	L.2.13	Joint Filler 10mm thick (Elastic Material)	316,891	0	0
R-P2-Bq-234	L.2.14	Steel Fence (with Anti-corrosion Painting), H=110cm	19,288,356	0	0
R-P2-Bq-235	L.2.15	Assembling Blocks into Original Shape with Scaffolding	49,322,326	0	0
R-P2-Bq-236	L.2.16	Jointing Blocks with Non-Shrinkage Mortar	17,706	0	0
R-P2-Bq-237	L.2.17	Deformed Bar (D16) and Filling the Hole with Non-shrinkage Mortar	287,829,915	0	0
R-P2-Bq-238	L.2.18	Setting Steel Gates, Hoists, Guide Frames, Columns and Roofs of Operation Hut, etc.	16,736,303	0	0
		Total	45,096,136,100	16,543,874,219	39,211,770,286

Table 5.3.2 (11/14) DISBURSEMENT SCHEDULE FOR EACH PAYMENT ITEM

Package-3					
ID No.	Item No.	BQ Item	2001	2002	2003
R-P3-Bq-1	1	Box Culvert BH 5 Km. 00+816			
R-P3-Bq-2	1.1	General			
R-P3-Bq-3	1.1.1	Mobilization and demobilization	4,116,749	4,351,902	0
R-P3-Bq-4	1.1.2	Establishment			
R-P3-Bq-5	1.1.2.1	Install and removal of temporary Site Office	23,558,666	10,769,852	0
R-P3-Bq-6	1.1.2.2	Install and removal of temporary Ware House	18,847,077	8,615,948	0
R-P3-Bq-7	1.1.3	Site Clearing and Measurement of the existing condition	1,542,576	713,992	0
R-P3-Bq-8	1.1.4	Furnishing and Installing Communication equipment	4,042,890	0	0
R-P3-Bq-9	1.2	Temporary Works			
R-P3-Bq-10	1.2.1	Railway sign, structure for telephone cable, signal cable, etc.	17,285,017	12,350,868	0
R-P3-Bq-11	1.2.2	Demolition and removal of existing structure and others	2,598,478	0	0
R-P3-Bq-12	1.2.3	Temporary Works for construction of box culvert (include dewatering, retaining wall, removal ballast, temporary bridge and other steel and/or wooden supporters, and others)	168,334,594	76,977,367	0
R-P3-Bq-13	1.3	Excavation and backfill			
R-P3-Bq-14	1.3.1	Structural Excavation	490,325	0	0
R-P3-Bq-15	1.3.2	Backfill with Existing Soil	549,585	0	0
R-P3-Bq-16	1.3.3	Disposal of excavated material	1,445,516	0	0
R-P3-Bq-17	1.3.4	Landslides & flattening	1,573,669	0	0
R-P3-Bq-18	1.4	Concrete Works, Stone masonry, etc.			
R-P3-Bq-19	1.4.1	Concrete type K250 including Scaffolding and Formwork	8,476,208	0	0
R-P3-Bq-20	1.4.2	Deformed Reinforcing Bars for 1.4.1	21,509,831	0	0
R-P3-Bq-21	1.4.3	Concrete Type B0, including Formwork	445,970	0	0
R-P3-Bq-22	1.4.4	Wet Stone Masonry 1Pc : 4Sand	3,354,880	0	0
R-P3-Bq-23	1.4.5	Cement Mortar Plastering	274,752	0	0
R-P3-Bq-24	1.4.6	Drainage Pipe			
R-P3-Bq-25	1.4.6.1	GIPI" including filter cloth	359,885	0	0
R-P3-Bq-26	1.4.6.2	PVC 2" including filter cloth	242,708	0	0
R-P3-Bq-27	1.4.7	Sand Fill	621,050	0	0
R-P3-Bq-28	1.4.8	Grass Planting	503,097	0	0
R-P3-Bq-29	1.5	Superstructure Works			
R-P3-Bq-30	1.5.1	Raising Track on the bridge for 16 cm	0	194,861	0
R-P3-Bq-31	2	Box Culvert BH 6 Km. 01+177			
R-P3-Bq-32	2.1	General			
R-P3-Bq-33	2.1.1	Mobilization and demobilization	934,868	997,209	0
R-P3-Bq-34	2.1.2	Establishment			
R-P3-Bq-35	2.1.2.1	Install and removal of temporary Site Office	23,558,666	10,769,852	0
R-P3-Bq-36	2.1.2.2	Install and removal of temporary Ware House	18,847,077	8,615,948	0
R-P3-Bq-37	2.1.3	Site Clearing and Measurement of the existing condition	1,542,576	713,992	0
R-P3-Bq-38	2.1.4	Furnishing and Installing Communication equipment	4,042,890	0	0
R-P3-Bq-39	2.2	Temporary Works			
R-P3-Bq-40	2.2.1	Railway sign, structure for telephone cable, signal cable, etc.	12,925,627	9,234,599	0
R-P3-Bq-41	2.2.2	Demolition and Removal of existing structure, existing bridge and others	18,931,523	0	0
R-P3-Bq-42	2.2.3	Temporary Works for construction of box culvert (include dewatering, retaining wall, removal ballast, temporary bridge and other steel and/or wooden supporters, and others)	115,923,469	52,455,394	0
R-P3-Bq-43	2.3	Excavation and backfill			
R-P3-Bq-44	2.3.1	Structural Excavation	490,325	0	0
R-P3-Bq-45	2.3.2	Backfill with Existing Soil	366,390	0	0
R-P3-Bq-46	2.3.3	Disposal of excavated material	1,445,516	0	0
R-P3-Bq-47	2.3.4	Landslides & flattening	1,573,669	0	0
R-P3-Bq-48	2.4	Concrete Works, Stone masonry and Others			
R-P3-Bq-49	2.4.1	Concrete type K250 including Scaffolding and Formwork	14,833,364	0	0
R-P3-Bq-50	2.4.2	Deformed Reinforcing Bars for 2.4.1	42,115,888	0	0
R-P3-Bq-51	2.4.3	Concrete Type B0 including formwork	1,337,911	0	0
R-P3-Bq-52	2.4.4	Wet Stone Masonry 1Pc : 4Sand	2,744,902	0	0
R-P3-Bq-53	2.4.5	Cement Mortar Plastering	80,809	0	0
R-P3-Bq-54	2.4.6	Cement Mortar Pointing	95,020	0	0
R-P3-Bq-55	2.4.7	Drainage Pipe			
R-P3-Bq-56	2.4.7.1	GIPI" including filter	539,827	0	0
R-P3-Bq-57	2.4.7.2	PVC 2" including filter	242,708	0	0
R-P3-Bq-58	2.4.8	Sand Fill	372,630	0	0
R-P3-Bq-59	2.4.9	Grass Planting	1,844,690	0	0
R-P3-Bq-60	2.5	Superstructure Works			
R-P3-Bq-61	2.5.1	Raising Track on the Bridge for 44cm	0	16,762,912	0
R-P3-Bq-62	3	Raising Railway Bridge BH 10 Km.01+577			
R-P3-Bq-63	3.1	General			

Table 5.3.2 (12/14) DISBURSEMENT SCHEDULE FOR EACH PAYMENT ITEM

ID No.	Item No.	BQ Item	2001	2002	2003
R-P3-Bq-64	3.1.1	Mobilization and demobilization	0	1,994,417	0
R-P3-Bq-65	3.1.2	Establishment			
R-P3-Bq-66	3.1.2.1	Install and removal of temporary Site Office	31,411,555	14,359,803	0
R-P3-Bq-67	3.1.2.2	Install and removal of temporary Ware House	37,694,154	17,231,896	0
R-P3-Bq-68	3.1.3	Site Clearing, Measurement and preparation of stock pile	0	3,106,283	0
R-P3-Bq-69	3.1.4	Communication equipment including Base Station, antene and battery	0	4,952,517	0
R-P3-Bq-70	3.2	Temporary Work	0	0	0
R-P3-Bq-71	3.2.1	Railway sign, structure for telephone cable, signal cable, etc.	0	87,876,820	0
R-P3-Bq-72	3.2.2	Demolition and removal of existing structure (retaining wall, steel rail fence, Abutments, Piers, and others)	0	35,512,351	0
R-P3-Bq-73	3.2.3	Temporary Works for Abutments and Revetment for sideslope 1:2 (include coffering, dewatering, retaining wall, removal ballast, temporary bridge and other steel and/or wooden supporters, and others)	0	251,685,800	0
R-P3-Bq-74	3.2.4	Temporary Works for construction of Piers and Riverbed Protection (including coffering, dewatering, and others)	0	1,591,206,015	0
R-P3-Bq-75	3.2.5	Temporary works for Raising and Shifting the Bridge (including removal of bearing steel, temporary steel and/or wooden bearing, ssting/demolish construction with roller, and other steel and/or wooden supporter, and others)	0	1,089,244,793	0
R-P3-Bq-76	3.3	Excavation and backfill			
R-P3-Bq-77	3.3.1	Structural Excavation	0	10,873,940	0
R-P3-Bq-78	3.3.2	Backfill with Existing Soil	0	7,720,722	0
R-P3-Bq-79	3.3.3	Backfill with Gravel	0	10,876,692	0
R-P3-Bq-80	3.3.4	Disposal of excavated material	0	36,875,293	0
R-P3-Bq-81	3.3.5	Landslides & flattening	0	1,658,198	0
R-P3-Bq-82	3.3.6	Channel Excavation for West Floodway	0	0	0
R-P3-Bq-83	3.3.6.1	Excavation below Water Level	0	165,023,739	0
R-P3-Bq-84	3.3.6.2	Excavation above Water Level	0	224,908,402	0
R-P3-Bq-85	3.3.6.3	Clearing and Grubbing	0	7,002,742	0
R-P3-Bq-86	3.4	PC Piling, Concrete Works, Stone Masonry, and others			
R-P3-Bq-87	3.4.1	PC Pile			
R-P3-Bq-88	3.4.1.1	Furnishing PC Pile D = 450mm type K500	0	360,571,250	0
R-P3-Bq-89	3.4.1.2	Driving PC Pile	0	187,210,910	0
R-P3-Bq-90	3.4.1.3	Capping, Cutting Pile Head	0	5,159,318	0
R-P3-Bq-91	3.4.1.4	Welding for connection	0	1,132,819	0
R-P3-Bq-92	3.4.1.5	Loading Test (load test = 125 tf)	0	1,869,762	0
R-P3-Bq-93	3.4.2	Concrete Work			
R-P3-Bq-94	3.4.2.1	Concrete type K250 including scaffolding and formwork	0	370,603,831	0
R-P3-Bq-95	3.4.2.2	Deformed Reinforcing Bars for 3.4.2.1	0	656,782,300	0
R-P3-Bq-96	3.4.3	Lean Concrete type B0 for Abutment, Piers, Bridge and Riverbed Protection	0	34,192,535	0
R-P3-Bq-97	3.4.4	Rubble Stone Filling	0	6,084,864	0
R-P3-Bq-98	3.5	Superstructure Works			
R-P3-Bq-99	3.5.1	Raising for the bridge for 70cm height step by step	0	1,893,540,987	0
R-P3-Bq-100	3.5.2	Shifting horizontal of bridge	0	248,845,509	0
R-P3-Bq-101	3.5.3	Re-install of steel bearing including epoxy grouting	0	15,229,672	0
R-P3-Bq-102	3.5.4	Re-painting a part of existing steel superstructure that was	0	7,788,536	0
R-P3-Bq-103	3.5.5	Pavement Work			
R-P3-Bq-104	3.5.5.1	Demolition of Existing Pavement	0	1,046,325	0
R-P3-Bq-105	3.5.5.2	Aggregate Class A	0	23,894,040	0
R-P3-Bq-106	3.5.5.3	Aggregate Class B	0	44,255,980	0
R-P3-Bq-107	3.5.5.4	Asphalt Concrete	0	46,250,913	0
R-P3-Bq-108	3.5.5.5	Asphalt Treated Base (ATB)	0	61,191,959	0
R-P3-Bq-109	3.5.5.6	Prime Coat	0	20,667,105	0
R-P3-Bq-110	3.5.5.7	Tack Coat	0	19,900,914	0
R-P3-Bq-111	3.5.5.8	Structural Excavation	0	733,559	0
R-P3-Bq-112	3.5.5.9	Backfill	0	714,167	0
R-P3-Bq-113	3.5.5.10	Wet Stone Masonry	0	16,302,239	0
R-P3-Bq-114	3.5.5.11	Cement Mortar for Pointing	0	783,029	0
R-P3-Bq-115	3.5.5.12	Drainage Pipe, PVC Dia. 50mm included Filter Cloth	0	1,725,038	0
R-P3-Bq-116	3.6	Protection Works for Riverbank and Leaning Wall			
R-P3-Bq-117	3.6.1	Excavation and Backfill			
R-P3-Bq-118	3.6.1.1	Structural Excavation	0	24,259,243	0
R-P3-Bq-119	3.6.1.2	Backfill with Selected Soil	0	31,012,939	0
R-P3-Bq-120	3.6.1.3	Backfill with Gravel	0	11,568,845	0
R-P3-Bq-121	3.6.1.4	Gravel Bedding for Revetment and Riverbed Protection	0	26,011,319	0
R-P3-Bq-122	3.6.1.5	Rubble Stone Bedding	0	804,968	0
R-P3-Bq-123	3.6.2	Rubble Stone Filling	0	9,262,483	0

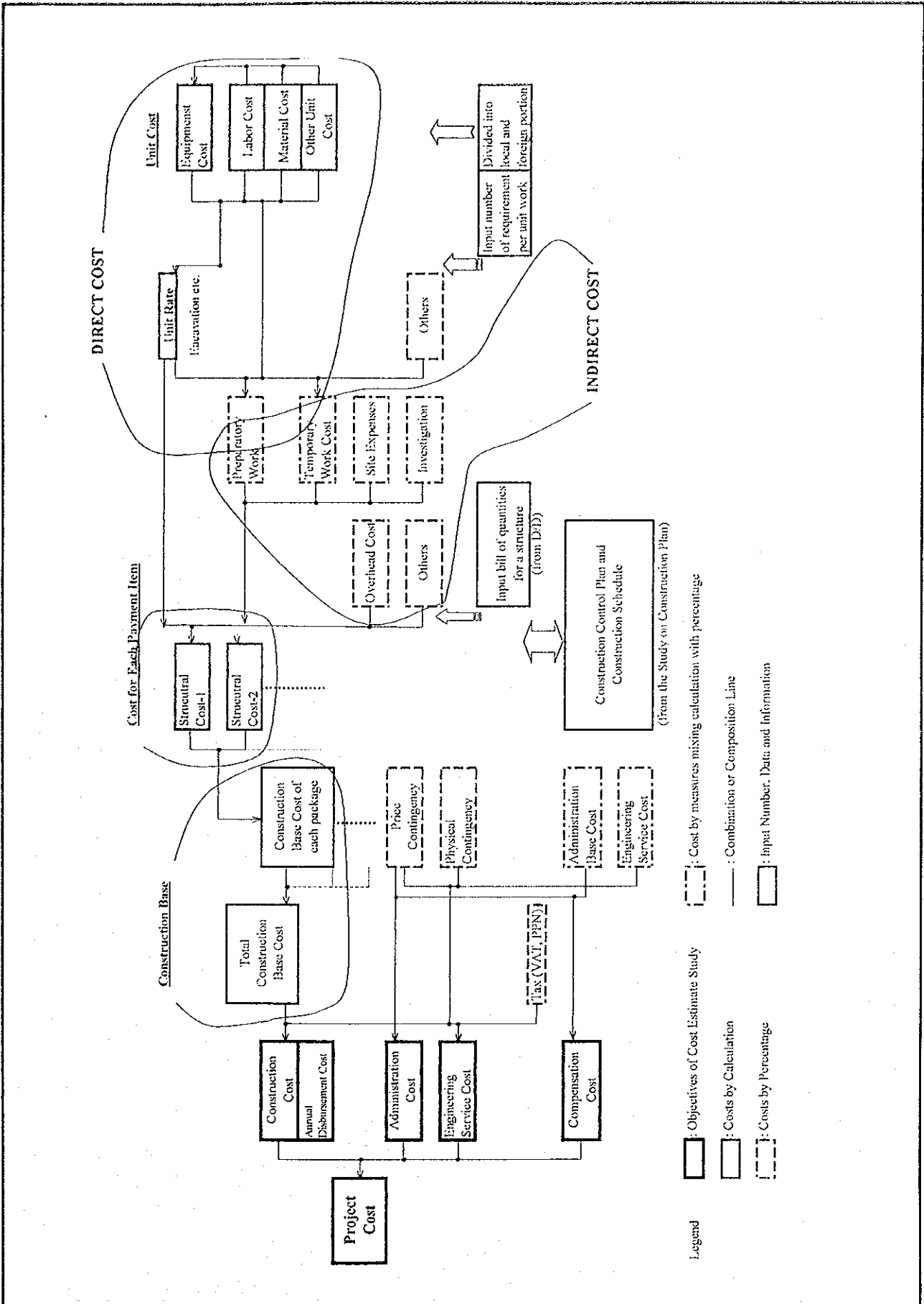
**Table 5.3.2 (13/14) DISBURSEMENT SCHEDULE FOR EACH PAYMENT ITEM**

ID No.	Item No.	BQ Item	2001	2002	2003
R-P3-Bq-124	3.6.3	Wet Stone Masonry	0	264,096,278	0
R-P3-Bq-125	3.6.4	Cement Mortar Pointing on Riverside Surface of Wet Stone Masonry	0	24,447,919	0
R-P3-Bq-126	3.6.5	Weep Hole, Dia 50mm including Filter Cloth	0	3,745,147	0
R-P3-Bq-127	3.6.6	Joint Filler, 10mm thick (Elastic Material)	0	8,263,323	0
R-P3-Bq-128	3.6.7	Concrete, Type C1 including Formwork	0	102,104,298	0
R-P3-Bq-129	3.6.8	Deformed Reinforcing Bar for 3.6.7	0	50,737,250	0
R-P3-Bq-130	3.6.9	Lean Concrete Type B0			
R-P3-Bq-131	3.6.9.1	Concrete, Type D for Leaning Wall	0	8,056,578	0
R-P3-Bq-132	3.6.9.2	Cast-In-Place Concrete Block (500kg/piece), Concrete Type-D	0	241,646,962	0
R-P3-Bq-133	3.6.10	Gabion for Revetment			
R-P3-Bq-134	3.6.10.1	Gabion Cylinder Dia.500mm (Galvanized and Coated with PVC)	0	24,081,526	0
R-P3-Bq-135	3.6.10.2	Soil Filling	0	196,855	0
R-P3-Bq-136	3.6.10.3	Gabion Mattress t=500mm (Galvanized) on Riverbed	0	159,776,065	0
R-P3-Bq-137	3.6.11	Furnishing and Driving Log Pile, Dia 150mm, L=2.0m	0	9,160,969	0
R-P3-Bq-138	3.6.12	Steel Fence (with Anti-corrosion Painting), H=110cm	0	50,282,286	0
R-P3-Bq-139	3.6.13	Penetration Macadam Pavement 200mm thick	0	34,150,973	0
R-P3-Bq-140	3.6.14	Placing Filter Cloth (Geotextile Sheet)	0	10,013,031	0
R-P3-Bq-141	4	Double Box Culvert BH 13 Km. 02+ 332			
R-P3-Bq-142	4.1	General			
R-P3-Bq-143	4.1.1	Mobilization and demobilization	5,642,535	5,987,943	0
R-P3-Bq-144	4.1.2	Establishment			
R-P3-Bq-145	4.1.2.1	Install and removal of temporary Site Office	23,558,666	10,769,852	0
R-P3-Bq-146	4.1.2.2	Install and removal of temporary Ware House	18,847,077	8,615,948	0
R-P3-Bq-147	4.1.3	Site Clearing and Measurement of the existing condition	1,542,576	713,992	0
R-P3-Bq-148	4.1.4	Furnishing and Installing Communication equipment (H.T)	4,042,890	0	0
R-P3-Bq-149	4.2	Temporary Work			
R-P3-Bq-150	4.2.1	Railway sign, structure for telephone cable, signal cable, etc.	25,051,854	17,684,577	0
R-P3-Bq-151	4.2.2	Demolition and Removal of existing structure, existing bridge and others	1,912,034	0	0
R-P3-Bq-152	4.2.3	Temporary Works for construction of double box culvert (including coffering, dewatering, retaining wall, removal ballast, temporary bridge and other steel and/or wooden supporters, and others)	283,672,247	128,642,190	0
R-P3-Bq-153	4.3	Excavation and backfill			
R-P3-Bq-154	4.3.1	Structural Excavation	490,325	0	0
R-P3-Bq-155	4.3.2	Backfill with Existing Soil	1,831,949	0	0
R-P3-Bq-156	4.3.3	Landslides & flattening	1,573,669	0	0
R-P3-Bq-157	4.4	Concrete Works, Stone Masonry, etc.			
R-P3-Bq-158	4.4.1	Concrete Type K 225 including Form Work	15,892,890	0	0
R-P3-Bq-159	4.4.2	Deformed Reinforcing Bars for 4.4.1	33,258,899	0	0
R-P3-Bq-160	4.4.3	Anchor bar Dia 19mm L = 850mm	325,360	0	0
R-P3-Bq-161	4.4.4	Epoxy	309,906	0	0
R-P3-Bq-162	4.5	Superstructure Works			
R-P3-Bq-163	4.5.1	Raising track for 83 cm step by step	0	37,309,448	0
R-P3-Bq-164	5	Track Raising Km. 00+677 - Km. 02+521			
R-P3-Bq-165	5.1	General			
R-P3-Bq-166	5.1.1	Mobilization and demobilization	0	6,522,415	0
R-P3-Bq-167	5.1.2	Establishment			
R-P3-Bq-168	5.1.2.1	Install and removal of temporary Site Office	0	35,899,507	0
R-P3-Bq-169	5.1.2.2	Install and removal of temporary Ware House	0	28,719,826	0
R-P3-Bq-170	5.1.3	Site Clearing and Measurement of the existing condition	0	4,674,405	0
R-P3-Bq-171	5.1.4	Avoidance of Accident			
R-P3-Bq-172	5.1.4.1	Watching Train	0	31,761,182	0
R-P3-Bq-173	5.1.4.2	Guard of restriction speed	0	19,729,727	0
R-P3-Bq-174	5.2	Truck Work			
R-P3-Bq-175	5.2.1	Coarse Sand	0	534,784,786	0
R-P3-Bq-176	5.2.2	Ballast	0	5,475,599,708	0
R-P3-Bq-177	5.2.3	Wooden Sleepers (size 13 x 22 x 200 cm)	0	81,804,726	0
R-P3-Bq-178	5.2.4	Track Raising every 5 cm until 70 - 100 cm for 5 Km/H Speed	0	849,662,560	0
R-P3-Bq-179	5.2.5	Track Tamping for 20 Km/H	0	20,897,001	0
R-P3-Bq-180	5.2.6	Track Tamping for 40 Km/H	0	43,873,616	0
R-P3-Bq-181	5.2.7	Track Tamping for 60 Km/H	0	55,930,637	0
R-P3-Bq-182	5.2.8	Track Tamping for > 60 Km/H by Tamping machine	0	59,999,469	0
R-P3-Bq-183	5.3	Retaining Wall Work			
R-P3-Bq-184	5.3.1	Structural Excavation	0	10,269,833	0
R-P3-Bq-185	5.3.2	Backfill with Existing Soil	0	11,581,084	0

Table 5.3.2 (14/14) DISBURSEMENT SCHEDULE FOR EACH PAYMENT ITEM

ID No.	Item No.	BQ Item	2001	2002	2003
R-P3-Bq-186	5.3.3	Disposal of excavated material	0	22,809,460	0
R-P3-Bq-187	5.3.4	Wet Stone Masonry	0	619,485,096	0
R-P3-Bq-188	5.3.5	Lean Concrete	0	49,864,113	0
R-P3-Bq-189	5.3.6	Fill with Gravel	0	28,530,292	0
R-P3-Bq-190	5.4	Level Crossing Raising for 8 (eight) crossings			
R-P3-Bq-191	5.4.1	Coarse Sand	0	321,281,455	0
R-P3-Bq-192	5.4.2	To Run Over by Roller	0	268,753,319	0
R-P3-Bq-193	5.4.3	Hot Mix Asphalt	0	568,258,139	0
R-P3-Bq-194	5.4.4	Stone Masonry 1 PC : 4 Sand for retaining wall	0	192,366,425	0
R-P3-Bq-195	5.4.5	Guard for Traffic Arrange (8 x 2 x 90)	0	78,785,811	0
R-P3-Bq-196	5.5	Guard Post Work			
R-P3-Bq-197	5.5.1	To build guard Building (3 x 3 m2) for 2 Level Crossing	0	11,867,597	0
R-P3-Bq-198	5.5.2	Raising and shift level Crossing Barrier with it's installation	0	26,488,293	0
R-P3-Bq-199	5.5.3	Raising level Crossing Barrier with it's installation	0	32,720,832	0
		Total	1,032,022,452	18,598,437,199	0

## FIGURES



THE DETAILED DESIGN OF FLOOD CONTROL, URBAN DRAINAGE AND WATER RESOURCES DEVELOPMENT IN SEMARANG IN THE REPUBLIC OF INDONESIA

JAPAN INTERNATIONAL COOPERATION AGENCY

Fig.

2.1.1

FLOWCHART OF COST ESTIMATE











JICA