

Table 4.2.8 (50/62) UNIT RATE CALCULATION TABLE OF BUILDING WORK

ID No.		Working Name		Calculation Quantity							Remarks
S-B11-Bq-56		Telephone Outlet Switch		10 pieces							
Major Item	ID No.	Description	Unit	Quantity	Unit Cost			Cost			Remarks
					PF/C	IF/C	L/C	PF/C	IF/C	L/C	
Labour	L-2-4	Electrician	day	0.25	0	0	39,000	0	0	9,750	
	L-2-23	Common Labour	day	0.13	0	0	35,100	0	0	4,563	
Material		Telephone Outlet Switch	pieces	10.00	0	0	20,000	0	0	200,000	
Others		Miscellaneous	L.S.					0	0	87	Round Up
Total for				10 pieces				0	0	214,400	
Unit Cost for				1 pieces				0	0	21,440	

ID No.		Working Name		Calculation Quantity							Remarks
S-B11-Bq-57		Telephone Cable + Installation		30 m							
Major Item	ID No.	Description	Unit	Quantity	Unit Cost			Cost			Remarks
					PF/C	IF/C	L/C	PF/C	IF/C	L/C	
Labour	L-2-4	Electrician	day	0.43	0	0	39,000	0	0	16,770	
	L-2-23	Common Labour	day	0.21	0	0	35,100	0	0	7,371	
Material		Telephone Cable	m	30.00	0	0	7,500	0	0	225,000	
Others		Miscellaneous	L.S.					0	0	59	Round Up
Total for				30 m				0	0	249,200	
Unit Cost for				1 m				0	0	8,307	

ID No.		Working Name		Calculation Quantity							Remarks
S-B11-Bq-58		NCB 2 A		10 pieces							
Major Item	ID No.	Description	Unit	Quantity	Unit Cost			Cost			Remarks
					PF/C	IF/C	L/C	PF/C	IF/C	L/C	
Labour	L-2-4	Electrician	day	2	0	0	39,000	0	0	78,000	
	L-2-23	Common Labour	day	1	0	0	35,100	0	0	35,100	
Material		NCB 2 A	pieces	10.00	0	0	40,000	0	0	400,000	
Others		Miscellaneous	L.S.					0	0	0	Round Up
Total for				10 pieces				0	0	513,100	
Unit Cost for				1 pieces				0	0	51,310	

ID No.		Working Name		Calculation Quantity							Remarks
S-B11-Bq-59		Cable NYY 3 x 16 mm		30 m							
Major Item	ID No.	Description	Unit	Quantity	Unit Cost			Cost			Remarks
					PF/C	IF/C	L/C	PF/C	IF/C	L/C	
Labour	L-2-4	Electrician	day	13.2	0	0	39,000	0	0	514,800	
	L-2-23	Common Labour	day	6.6	0	0	35,100	0	0	231,660	
Material		Cable NYY 3 x 16 mm	m	30.00	0	0	30,291	0	0	908,727	
Others		Miscellaneous	L.S.					0	0	13	Round Up
Total for				30 m				0	0	1,655,200	
Unit Cost for				1 m				0	0	55,173	

ID No.		Working Name		Calculation Quantity							Remarks
S-B11-Bq-60		NCB 10 A		10 pieces							
Major Item	ID No.	Description	Unit	Quantity	Unit Cost			Cost			Remarks
					PF/C	IF/C	L/C	PF/C	IF/C	L/C	
Labour	L-2-4	Electrician	day	2	0	0	39,000	0	0	78,000	
	L-2-23	Common Labour	day	1	0	0	35,100	0	0	35,100	
Material		NCB 10 A	pieces	10.00	0	0	40,000	0	0	400,000	
Others		Miscellaneous	L.S.					0	0	0	Round Up
Total for				10 pieces				0	0	513,100	
Unit Cost for				1 pieces				0	0	51,310	

Table 4.2.8 (51/62) UNIT RATE CALCULATION TABLE OF BUILDING WORK

ID No.		Working Name		Calculation Quantity						Remarks		
S-B11-Bq-61		FL 2 x 40 W + Pole		10 pieces								
Major Item	ID No.	Description	Unit	Quantity	Unit Cost			Cost			Remarks	
					PF/C	IF/C	L/C	PF/C	IF/C	L/C		
Labour	L-2-29	Chief of Steel Worker	day	3.3	0	0	58,600	0	0	193,380		
	L-2-16	Steel Worker	day	14.7	0	0	39,000	0	0	573,300		
	L-2-23	Common Labour	day	17.2	0	0	35,100	0	0	603,720		
Material	M-E-27	Galvanized Steel Pipe, Dia. 50mm	m	75.4	14,250	0	750	1,074,450	0	56,550	Material loss factor 15%	
	M-E-74	Steel/Reinforcing Bar Dia. 12 mm	kg	13.89	0	1,050	2,450	0	14,585	34,031	Material loss factor 15%	
Working Base Cost		S-B11-Bq-2 Installation and Lighting 40W-2 FL		pieces	10	0	0	233,060	0	0	2,330,600	
Others	Tools		%	5				53,723	729	73,049		
	Miscellaneous		L.S.					28	86	70	Round Up	
Total for		10 pieces						1,128,200	15,400	3,864,700		
Unit Cost for		1 pieces						112,820	1,540	386,470		

ID No.		Working Name		Calculation Quantity						Remarks	
S-B11-Bq-62		New Installation from PLN for 900 VA		10 pieces							
Major Item	ID No.	Description	Unit	Quantity	Unit Cost			Cost			Remarks
					PF/C	IF/C	L/C	PF/C	IF/C	L/C	
		New Installation from PLN for 900 VA	pieces	10	0	0	216,000	0	0	2,160,000	
Total for		10 pieces						0	0	2,160,000	
Unit Cost for		1 pieces						0	0	216,000	

Table 4.2.8 (52/62) UNIT RATE CALCULATION TABLE OF BUILDING WORK

XII. FURNITURE

ID No.		Working Name		Calculation Quantity		Remarks					
S-B12-Bq-1		Meeting Room Table		10 unit							
Major Item	ID No.	Description	Unit	Quantity	Unit Cost			Cost			Remarks
					PF/C	IF/C	L/C	PF/C	IF/C	L/C	
		Meeting Room Table	unit	10	0	0	2,125,000	0	0	21,250,000	
Total for		10 unit						0	0	21,250,000	
Unit Cost for		1 unit						0	0	2,125,000	

ID No.		Working Name		Calculation Quantity		Remarks					
S-B12-Bq-2		Meeting Room Chair		10 unit							
Major Item	ID No.	Description	Unit	Quantity	Unit Cost			Cost			Remarks
					PF/C	IF/C	L/C	PF/C	IF/C	L/C	
		Meeting Room Chair	unit	10	0	0	200,000	0	0	2,000,000	
Total for		10 unit						0	0	2,000,000	
Unit Cost for		1 unit						0	0	200,000	

ID No.		Working Name		Calculation Quantity		Remarks					
S-B12-Bq-3		Office Table		10 unit							
Major Item	ID No.	Description	Unit	Quantity	Unit Cost			Cost			Remarks
					PF/C	IF/C	L/C	PF/C	IF/C	L/C	
		Office Table	unit	10	0	0	500,000	0	0	5,000,000	
Total for		10 unit						0	0	5,000,000	
Unit Cost for		1 unit						0	0	500,000	

ID No.		Working Name		Calculation Quantity		Remarks					
S-B12-Bq-4		Filling Cabinet		10 unit							
Major Item	ID No.	Description	Unit	Quantity	Unit Cost			Cost			Remarks
					PF/C	IF/C	L/C	PF/C	IF/C	L/C	
		Filling Cabinet	unit	10	0	0	800,000	0	0	8,000,000	
Total for		10 unit						0	0	8,000,000	
Unit Cost for		1 unit						0	0	800,000	

ID No.		Working Name		Calculation Quantity		Remarks					
S-B12-Bq-5		Computer Table		10 unit							
Major Item	ID No.	Description	Unit	Quantity	Unit Cost			Cost			Remarks
					PF/C	IF/C	L/C	PF/C	IF/C	L/C	
		Computer Table	unit	10	0	0	600,000	0	0	6,000,000	
Total for		10 unit						0	0	6,000,000	
Unit Cost for		1 unit						0	0	600,000	

ID No.		Working Name		Calculation Quantity		Remarks					
S-B12-Bq-6		Dining Table		10 unit							
Major Item	ID No.	Description	Unit	Quantity	Unit Cost			Cost			Remarks
					PF/C	IF/C	L/C	PF/C	IF/C	L/C	
		Dining Table	unit	10	0	0	658,333	0	0	6,583,333	
Total for		10 unit						0	0	6,583,333	
Unit Cost for		1 unit						0	0	658,333	

ID No.		Working Name		Calculation Quantity		Remarks					
S-B12-Bq-7		Single Bed		10 unit							
Major Item	ID No.	Description	Unit	Quantity	Unit Cost			Cost			Remarks
					PF/C	IF/C	L/C	PF/C	IF/C	L/C	
		Single Bed	unit	10	0	0	500,000	0	0	5,000,000	
Total for		10 unit						0	0	5,000,000	
Unit Cost for		1 unit						0	0	500,000	

ID No.		Working Name		Calculation Quantity		Remarks					
S-B12-Bq-8		Portable Stove		10 unit							
Major Item	ID No.	Description	Unit	Quantity	Unit Cost			Cost			Remarks
					PF/C	IF/C	L/C	PF/C	IF/C	L/C	
		Portable Stove	unit	10	0	0	500,000	0	0	5,000,000	
Total for		10 unit						0	0	5,000,000	
Unit Cost for		1 unit						0	0	500,000	

Table 4.2.8 (53/62) UNIT RATE CALCULATION TABLE OF BUILDING WORK

ID No.		Working Name		Calculation Quantity		Remarks					
S-B12-Bq-9		Kitchen Set		10 unit							
Major Item	ID No.	Description	Unit	Quantity	Unit Cost			Cost			Remarks
					PF/C	IF/C	L/C	PF/C	IF/C	L/C	
		Kitchen Set	unit	10	0	0	1,000,000	0	0	10,000,000	
Total for				10 unit				0	0	10,000,000	
Unit Cost for				1 unit				0	0	1,000,000	

ID No.		Working Name		Calculation Quantity		Remarks					
S-B12-Bq-10		Sofa		10 unit							
Major Item	ID No.	Description	Unit	Quantity	Unit Cost			Cost			Remarks
					PF/C	IF/C	L/C	PF/C	IF/C	L/C	
		Sofa	unit	10	0	0	833,333	0	0	8,333,333	
Total for				10 unit				0	0	8,333,333	
Unit Cost for				1 unit				0	0	833,333	

ID No.		Working Name		Calculation Quantity		Remarks					
S-B12-Bq-11		Credensa		10 unit							
Major Item	ID No.	Description	Unit	Quantity	Unit Cost			Cost			Remarks
					PF/C	IF/C	L/C	PF/C	IF/C	L/C	
		Credensa	unit	10	0	0	350,000	0	0	3,500,000	
Total for				10 unit				0	0	3,500,000	
Unit Cost for				1 unit				0	0	350,000	

ID No.		Working Name		Calculation Quantity		Remarks					
S-B12-Bq-12		Dining Cupboard		10 unit							
Major Item	ID No.	Description	Unit	Quantity	Unit Cost			Cost			Remarks
					PF/C	IF/C	L/C	PF/C	IF/C	L/C	
		Dining Cupboard	unit	10	0	0	300,000	0	0	3,000,000	
Total for				10 unit				0	0	3,000,000	
Unit Cost for				1 unit				0	0	300,000	

ID No.		Working Name		Calculation Quantity		Remarks					
S-B12-Bq-13		Bed Room Set		10 unit							
Major Item	ID No.	Description	Unit	Quantity	Unit Cost			Cost			Remarks
					PF/C	IF/C	L/C	PF/C	IF/C	L/C	
		Bed Room Set	unit	10	0	0	1,500,000	0	0	15,000,000	
Total for				10 unit				0	0	15,000,000	
Unit Cost for				1 unit				0	0	1,500,000	

ID No.		Working Name		Calculation Quantity		Remarks					
S-B12-Bq-14		Front Office Table + 2 Chairs		10 unit							
Major Item	ID No.	Description	Unit	Quantity	Unit Cost			Cost			Remarks
					PF/C	IF/C	L/C	PF/C	IF/C	L/C	
		Front Office Table + 2 Chairs	unit	10	0	0	3,000,000	0	0	30,000,000	
Total for				10 unit				0	0	30,000,000	
Unit Cost for				1 unit				0	0	3,000,000	

ID No.		Working Name		Calculation Quantity		Remarks					
S-B12-Bq-15		Garden Chair		10 unit							
Major Item	ID No.	Description	Unit	Quantity	Unit Cost			Cost			Remarks
					PF/C	IF/C	L/C	PF/C	IF/C	L/C	
		Garden Chair	unit	10	0	0	200,000	0	0	2,000,000	
Total for				10 unit				0	0	2,000,000	
Unit Cost for				1 unit				0	0	200,000	

ID No.		Working Name		Calculation Quantity		Remarks					
S-B12-Bq-16		Double Bed Set		10 unit							
Major Item	ID No.	Description	Unit	Quantity	Unit Cost			Cost			Remarks
					PF/C	IF/C	L/C	PF/C	IF/C	L/C	
		Double Bed Set	unit	10	0	0	1,000,000	0	0	10,000,000	
Total for				10 unit				0	0	10,000,000	
Unit Cost for				1 unit				0	0	1,000,000	

Table 4.2.8 (54/62) UNIT RATE CALCULATION TABLE OF BUILDING WORK

ID No.		Working Name		Calculation Quantity		Remarks					
S-B12-Bq-17		Locker Cabinet		10 unit							
Major Item	ID No.	Description	Unit	Quantity	Unit Cost			Cost			Remarks
					PF/C	IF/C	L/C	PF/C	IF/C	L/C	
		Locker Cabinet	unit	10	0	0	2,800,000	0	0	28,000,000	
Total for		10 unit						0	0	28,000,000	
Unit Cost for		1 unit						0	0	2,800,000	

ID No.		Working Name		Calculation Quantity		Remarks					
S-B12-Bq-18		Hot & Cold Dispenser		10 unit							
Major Item	ID No.	Description	Unit	Quantity	Unit Cost			Cost			Remarks
					PF/C	IF/C	L/C	PF/C	IF/C	L/C	
		Hot & Cold Dispenser	unit	10	0	0	1,000,000	0	0	10,000,000	
Total for		10 unit						0	0	10,000,000	
Unit Cost for		1 unit						0	0	1,000,000	

ID No.		Working Name		Calculation Quantity		Remarks					
S-B12-Bq-19		Office Chair		10 unit							
Major Item	ID No.	Description	Unit	Quantity	Unit Cost			Cost			Remarks
					PF/C	IF/C	L/C	PF/C	IF/C	L/C	
		Office Chair	unit	10	0	0	200,000	0	0	2,000,000	
Total for		10 unit						0	0	2,000,000	
Unit Cost for		1 unit						0	0	200,000	

Table 4.2.8 (55/62) UNIT RATE CALCULATION TABLE OF BUILDING WORK

XL METAL WORK

ID No.		Working Name		Calculation Quantity							Remarks
S-B13-Bq-1		Ventilation Hole		100 Kg							
Major Item	ID No.	Description	Unit	Quantity	Unit Cost			Cost			Remarks
					PF/C	IF/C	L/C	PF/C	IF/C	L/C	
Labour	L-2-29	Chief of Steel Worker	day	1.5	0	0	58600	0	0	87,900	
	L-2-16	Steel Worker	day	5	0	0	39000	0	0	195,000	
	L-2-23	Common Labour	day	6.5	0	0	35100	0	0	228,150	
Material	M-E-4	Structural Steel(Purchasing), SS41	kg	130	5225	0	275	679,250	0	35,750	Material loss factor 30%
Others		Tools	%	5				33,963	0	27,340	Weld Machine, generator and etc.
		Miscellaneous	L.S.					88	0	60	Round Up
Total for				100 Kg				713,300	0	574,200	
Unit Cost for				1 Kg				7,133	0	5,742	

ID No.		Working Name		Calculation Quantity							Remarks
S-B13-Bq-2		Stairs		100 Kg							
Major Item	ID No.	Description	Unit	Quantity	Unit Cost			Cost			Remarks
					PF/C	IF/C	L/C	PF/C	IF/C	L/C	
Labour	L-2-29	Chief of Steel Worker	day	1.5	0	0	58600	0	0	87,900	
	L-2-16	Steel Worker	day	5	0	0	39000	0	0	195,000	
	L-2-23	Common Labour	day	6.5	0	0	35100	0	0	228,150	
Material	M-E-4	Structural Steel(Purchasing), SS41	kg	130	5225	0	275	679,250	0	35,750	Material loss factor 30%
Others		Tools	%	5				33,963	0	27,340	Weld Machine, generator and etc.
		Miscellaneous	L.S.					88	0	60	Round Up
Total for				100 Kg				713,300	0	574,200	
Unit Cost for				1 Kg				7,133	0	5,742	

ID No.		Working Name		Calculation Quantity							Remarks
S-B13-Bq-3		Steel Fence		6 m							
Major Item	ID No.	Description	Unit	Quantity	Unit Cost			Cost			Remarks
					PF/C	IF/C	L/C	PF/C	IF/C	L/C	
Labour	L-2-29	Chief of Steel Worker	day	1.77	0	0	58600	0	0	103,722	
	L-2-6	Welder	day	3	0	0	39000	0	0	117,000	
	L-2-16	Steel Worker	day	3.7	0	0	39000	0	0	144,300	
	L-2-23	Common Labour	day	8.47	0	0	35100	0	0	297,297	
Material	M-E-27	Galvanized Steel Pipe, Dia. 50mm	m	15.6	14250	0	750	222,300	0	11,700	
	M-E-28	Galvanized Steel Pipe, Dia. 75mm	m	5.85	19000	0	1000	111,150	0	5,850	
	M-E-1	Reinforcing Bar, Round U-30	kg	61	0	2500	2500	0	152,500	152,500	
Others		Small Tool	%	5				16,673	7,625	41,618	Weld Machine, generator and etc.
		Miscellaneous	L.S.					78	75	13	Round Up
Total for				6 m				350,200	160,200	874,000	
Unit Cost for				1 m				58,367	26,700	145,667	

*1 : All production rate are quoted from Indonesian Standard

ID No.		Working Name		Calculation Quantity							Remarks
S-B13-Bq-4		Gate		10 m							
Major Item	ID No.	Description	Unit	Quantity	Unit Cost			Cost			Remarks
					PF/C	IF/C	L/C	PF/C	IF/C	L/C	
		Gate	m	10	0	0	65000	0	0	650,000	
Total for				10 m				0	0	650,000	
Unit Cost for				1 m				0	0	65,000	

Table 4.2.8 (56/62) UNIT RATE CALCULATION TABLE OF BUILDING WORK

ID No.		Working Name		Calculation Quantity							Remarks	
S-B13-Bq-5		H-Beam		100 Kg								
Major Item	ID No.	Description	Unit	Quantity	Unit Cost			Cost			Remarks	
					PF/C	IF/C	L/C	PF/C	IF/C	L/C		
Labour	L-2-29	Chief of Steel Worker	day	2	0	0	58600	0	0	117,200		
	L-2-16	Steel Worker	day	6.5	0	0	39000	0	0	253,500		
	L-2-23	Common Labour	day	8	0	0	35100	0	0	280,800		
Material	M-E-9	H-beam (Purchasing), SS41	kg	115	5225	0	275	600,875	0	31,625	Material loss factor 15%	
Others		Tools	%	5				30,044	0	34,156	Weld Machine, generator and etc.	
		Miscellaneous	L.S.					81	0	19	Round Up	
Total for		100 Kg						631,000	0	717,300		
Unit Cost for		1 Kg						6,310	0	7,173		

ID No.		Working Name		Calculation Quantity							Remarks	
S-B13-Bq-6		Galvanish Pipe D=50.8 mm		10 m								
Major Item	ID No.	Description	Unit	Quantity	Unit Cost			Cost			Remarks	
					PF/C	IF/C	L/C	PF/C	IF/C	L/C		
Labour	L-2-29	Chief of Steel Worker	day	0.53	0	0	58600	0	0	31,058		
	L-2-16	Steel Worker	day	1.71	0	0	39000	0	0	66,690		
	L-2-23	Common Labour	day	2.1	0	0	35100	0	0	73,710		
Material	M-E-27	Galvanized Steel Pipe, Dia. 50mm	m	11.5	14250	0	750	163,875	0	8,625	Material loss factor 15%	
Others		Tools	%	5				8,194	0	9,004	Weld Machine, generator and etc.	
		Miscellaneous	L.S.					31	0	13	Round Up	
Total for		10 m						172,100	0	189,100		
Unit Cost for		1 m						17,210	0	18,910		

ID No.		Working Name		Calculation Quantity							Remarks	
S-B13-Bq-7		Galvanish Pipe D=38.1 mm		10 m								
Major Item	ID No.	Description	Unit	Quantity	Unit Cost			Cost			Remarks	
					PF/C	IF/C	L/C	PF/C	IF/C	L/C		
Labour	L-2-29	Chief of Steel Worker	day	0.41	0	0	58600	0	0	24,026		
	L-2-16	Steel Worker	day	1.32	0	0	39000	0	0	51,480		
	L-2-23	Common Labour	day	1.62	0	0	35100	0	0	56,862		
Material	M-E-26	Galvanized Steel Pipe, Dia. 150mm	m	11.5	71250	0	3750	819,375	0	43,125	Material loss factor 15%	
Others		Tools	%	5				40,969	0	8,775	Weld Machine, generator and etc.	
		Miscellaneous	L.S.					56	0	32	Round Up	
Total for		10 m						860,400	0	184,300		
Unit Cost for		1 m						86,040	0	18,430		

ID No.		Working Name		Calculation Quantity							Remarks	
S-B13-Bq-8		Galvanish Pipe D=25.4 mm		10 m								
Major Item	ID No.	Description	Unit	Quantity	Unit Cost			Cost			Remarks	
					PF/C	IF/C	L/C	PF/C	IF/C	L/C		
Labour	L-2-29	Chief of Steel Worker	day	0.26	0	0	58600	0	0	15,236		
	L-2-16	Steel Worker	day	0.84	0	0	39000	0	0	32,760		
	L-2-23	Common Labour	day	1.03	0	0	35100	0	0	36,153		
Material	M-E-27	Galvanized Steel Pipe, Dia. 25.4mm	m	11.5	5542	0	292	63,729	0	3,354	Material loss factor 15%	
Others		Tools	%	5				3,186	0	4,375	Weld Machine, generator and etc.	
		Miscellaneous	L.S.					84	0	22	Round Up	
Total for		10 m						67,000	0	91,900		
Unit Cost for		1 m						6,700	0	9,190		

Table 4.2.8 (57/62) UNIT RATE CALCULATION TABLE OF BUILDING WORK

ID No.		Working Name		Calculation Quantity						Remarks	
S-B13-Bq-9		Pipe Plandes		10 pieces							
Major Item	ID No.	Description	Unit	Quantity	Unit Cost			Cost			Remarks
					PF/C	IF/C	L/C	PF/C	IF/C	L/C	
		Pipe Plandes	pieces	10	0	0	6000	0	0	60000	
Total for				10 pieces				0	0	60,000	
Unit Cost for				1 pieces				0	0	6,000	

ID No.		Working Name		Calculation Quantity						Remarks	
S-B13-Bq-10		Turn Bucle		10 pieces							
Major Item	ID No.	Description	Unit	Quantity	Unit Cost			Cost			Remarks
					PF/C	IF/C	L/C	PF/C	IF/C	L/C	
		Turn Bucle	0	10	0	0	19500	0	0	195000	
Total for				10 pieces				0	0	195,000	
Unit Cost for				1 pieces				0	0	19,500	

ID No.		Working Name		Calculation Quantity						Remarks	
S-B13-Bq-11		Steel Door (Sliding)		100 Kg							
Major Item	ID No.	Description	Unit	Quantity	Unit Cost			Cost			Remarks
					PF/C	IF/C	L/C	PF/C	IF/C	L/C	
Labour	L-2-29	Chief of Steel Worker	day	2	0	0	58600	0	0	117,200	
	L-2-16	Steel Worker	day	6.5	0	0	39000	0	0	253,500	
	L-2-23	Common Labour	day	8	0	0	35100	0	0	280,800	
Material	M-E-4	Structural Steel(Purchasing), SS41	kg	115	5225	0	275	600,875	0	31,625	Material loss factor 15%
Others		Tools	%	5				30,044	0	34,156	Weld Machine, generator and etc.
		Miscellaneous	L.S.					81	0	19	Round Up
Total for				100 Kg				631,000	0	717,300	
Unit Cost for				1 Kg				6,310	0	7,173	

ID No.		Working Name		Calculation Quantity						Remarks	
S-B13-Bq-12		Steel Door (Swing)		100 Kg							
Major Item	ID No.	Description	Unit	Quantity	Unit Cost			Cost			Remarks
					PF/C	IF/C	L/C	PF/C	IF/C	L/C	
Labour	L-2-29	Chief of Steel Worker	day	2	0	0	58600	0	0	117,200	
	L-2-16	Steel Worker	day	6.5	0	0	39000	0	0	253,500	
	L-2-23	Common Labour	day	8	0	0	35100	0	0	280,800	
Material	M-E-4	Structural Steel(Purchasing), SS41	kg	115	5225	0	275	600,875	0	31,625	Material loss factor 15%
Others		Tools	%	5				30,044	0	34,156	Weld Machine, generator and etc.
		Miscellaneous	L.S.					81	0	19	Round Up
Total for				100 Kg				631,000	0	717,300	
Unit Cost for				1 Kg				6,310	0	7,173	

ID No.		Working Name		Calculation Quantity						Remarks	
S-B13-Bq-13		Steel Staircase		100 Kg							
Major Item	ID No.	Description	Unit	Quantity	Unit Cost			Cost			Remarks
					PF/C	IF/C	L/C	PF/C	IF/C	L/C	
Labour	L-2-29	Chief of Steel Worker	day	2	0	0	58600	0	0	117,200	
	L-2-16	Steel Worker	day	6.5	0	0	39000	0	0	253,500	
	L-2-23	Common Labour	day	8	0	0	35100	0	0	280,800	
Material	M-E-4	Structural Steel(Purchasing), SS41	kg	115	5225	0	275	600,875	0	31,625	Material loss factor 15%
Others		Tools	%	5				30,044	0	34,156	Weld Machine, generator and etc.
		Miscellaneous	L.S.					81	0	19	Round Up
Total for				100 Kg				631,000	0	717,300	
Unit Cost for				1 Kg				6,310	0	7,173	

Table 4.2.8 (58/62) UNIT RATE CALCULATION TABLE OF BUILDING WORK

ID No.	Working Name		Calculation Quantity			Remarks					
S-B13-Bq-14	Steel Grill for Pipe Line		100 Kg								
Major Item	ID No.	Description	Unit	Quantity	Unit Cost			Cost			Remarks
					PF/C	IF/C	L/C	PF/C	IF/C	L/C	
Labour	L-2-29	Chief of Steel Worker	day	2	0	0	58600	0	0	117,200	
	L-2-16	Steel Worker	day	6.5	0	0	39000	0	0	253,500	
	L-2-23	Common Labour	day	8	0	0	35100	0	0	280,800	
Material	M-E-4	Structural Steel(Purchasing), SS41	kg	115	5225	0	275	600,875	0	31,625	Material loss factor 15%
Others		Tools	%	5				30,044	0	34,156	Weld Machine, generator and etc.
		Miscellaneous	L.S.					81	0	19	Round Up
Total for		100 Kg						631,000	0	717,300	
Unit Cost for		1 Kg						6,310	0	7,173	

ID No.	Working Name		Calculation Quantity			Remarks					
S-B13-Bq-15	Steel Rail for Crab		100 Kg								
Major Item	ID No.	Description	Unit	Quantity	Unit Cost			Cost			Remarks
					PF/C	IF/C	L/C	PF/C	IF/C	L/C	
Labour	L-2-29	Chief of Steel Worker	day	2	0	0	58600	0	0	117,200	
	L-2-16	Steel Worker	day	6.5	0	0	39000	0	0	253,500	
	L-2-23	Common Labour	day	8	0	0	35100	0	0	280,800	
Material	M-E-4	Structural Steel(Purchasing), SS41	kg	115	5225	0	275	600,875	0	31,625	Material loss factor 15%
Others		Tools	%	5				30,044	0	34,156	Weld Machine, generator and etc.
		Miscellaneous	L.S.					81	0	19	Round Up
Total for		100 Kg						631,000	0	717,300	
Unit Cost for		1 Kg						6,310	0	7,173	

ID No.	Working Name		Calculation Quantity			Remarks					
S-B13-Bq-16	Stainless Steel - Air Duct Head		10 unit								
Major Item	ID No.	Description	Unit	Quantity	Unit Cost			Cost			Remarks
					PF/C	IF/C	L/C	PF/C	IF/C	L/C	
		Stainless Steel - Air Duct Head	unit	10	0	0	1250000	0	0	12500000	
Total for		10 unit						0	0	12,500,000	
Unit Cost for		1 unit						0	0	1,250,000	

ID No.	Working Name		Calculation Quantity			Remarks					
S-B13-Bq-17	Stainless Steel Cover Entrance Column		10 m2								
Major Item	ID No.	Description	Unit	Quantity	Unit Cost			Cost			Remarks
					PF/C	IF/C	L/C	PF/C	IF/C	L/C	
Labour	L-2-29	Chief of Steel Worker	day	3.1	0	0	58600	0	0	181,660	
	L-2-16	Steel Worker	day	10.2	0	0	39000	0	0	397,800	
	L-2-23	Common Labour	day	12.6	0	0	35100	0	0	442,260	
Material		Stainless Steel Plate	kg	180	19000	0	1000	3,420,000	0	180,000	Material loss factor 15%
Others		Tools	%	5				171,000	0	60,086	Weld Machine, generator and etc.
		Miscellaneous	L.S.					0	0	94	Round Up
Total for		10 m2						3,591,000	0	1,261,900	
Unit Cost for		1 m2						359,100	0	126,190	

Table 4.2.8 (59/62) UNIT RATE CALCULATION TABLE OF BUILDING WORK

ID No.		Working Name		Calculation Quantity							Remarks
S-B13-Bq-18		Maintenance Stair		100 kg							
Major Item	ID No.	Description	Unit	Quantity	Unit Cost			Cost			Remarks
					PF/C	IF/C	L/C	PF/C	IF/C	L/C	
Labour	L-2-29	Chief of Steel Worker	day	1.5	0	0	58600	0	0	87,900	
	L-2-16	Steel Worker	day	5	0	0	39000	0	0	195,000	
	L-2-23	Common Labour	day	6.5	0	0	35100	0	0	228,150	
Material	M-E-4	Structural Steel(Purchasing), SS41	kg	130	5225	0	275	679,250	0	35,750	Material loss factor 30%
Others		Tools	%	5				33,963	0	27,340	Weld Machine, generator and etc.
		Miscellaneous	L.S.					88	0	60	Round Up
Total for		100 kg						713,300	0	574,200	
Unit Cost for		1 kg						7,133	0	5,742	

ID No.		Working Name		Calculation Quantity							Remarks
S-B13-Bq-19		I-Beam for Runway Rail		100 kg							
Major Item	ID No.	Description	Unit	Quantity	Unit Cost			Cost			Remarks
					PF/C	IF/C	L/C	PF/C	IF/C	L/C	
Labour	L-2-29	Chief of Steel Worker	day	1.5	0	0	58600	0	0	87,900	
	L-2-16	Steel Worker	day	5	0	0	39000	0	0	195,000	
	L-2-23	Common Labour	day	6.5	0	0	35100	0	0	228,150	
Material	M-E-9	H-beam (Purchasing), SS41	kg	130	5225	0	275	679,250	0	35,750	Material loss factor 30%
Others		Tools	%	5				33,963	0	27,340	Weld Machine, generator and etc.
		Miscellaneous	L.S.					88	0	60	Round Up
Total for		100 kg						713,300	0	574,200	
Unit Cost for		1 kg						7,133	0	5,742	

ID No.		Working Name		Calculation Quantity							Remarks
S-B13-Bq-20		Runway Rail		100 kg							
Major Item	ID No.	Description	Unit	Quantity	Unit Cost			Cost			Remarks
					PF/C	IF/C	L/C	PF/C	IF/C	L/C	
Labour	L-2-29	Chief of Steel Worker	day	1.5	0	0	58600	0	0	87,900	
	L-2-16	Steel Worker	day	5	0	0	39000	0	0	195,000	
	L-2-23	Common Labour	day	6.5	0	0	35100	0	0	228,150	
Material	M-E-4	Structural Steel(Purchasing), SS41	kg	130	5225	0	275	679,250	0	35,750	Material loss factor 30%
Others		Tools	%	5				33,963	0	27,340	Weld Machine, generator and etc.
		Miscellaneous	L.S.					88	0	60	Round Up
Total for		100 kg						713,300	0	574,200	
Unit Cost for		1 kg						7,133	0	5,742	

ID No.		Working Name		Calculation Quantity							Remarks
S-B13-Bq-21		Bracket, Holding Plates, Bolt, Nut, etc.		100 kg							
Major Item	ID No.	Description	Unit	Quantity	Unit Cost			Cost			Remarks
					PF/C	IF/C	L/C	PF/C	IF/C	L/C	
Labour	L-2-16	Steel Worker	day	0.5	0	0	39000	0	0	19,500	
	L-2-23	Common Labour	day	2	0	0	35100	0	0	70,200	
Material	M-E-36	Bolt and Nut	kg	10	0	12375	28875	0	123,750	288,750	
Others		Tools	%	5				0	6,188	18,923	
		Miscellaneous	L.S.					0	63	28	Round Up
Total for		100 kg						0	130,000	397,400	
Unit Cost for		1 kg						0	1,300	3,974	

Table 4.2.8 (60/62) UNIT RATE CALCULATION TABLE OF BUILDING WORK

XIV. TEMPORARY WORK

ID No.		Working Name		Calculation Quantity		Remarks					
S-B14-Bq-1		Uitzet & Bouwplank		10 m ²							
Major Item	ID No.	Description	Unit	Quantity	Unit Cost			Cost			Remarks
					PF/C	IF/C	L/C	PF/C	IF/C	L/C	
		Uitzet & Bouwplank	m ²	10	0	0	3500	0	0	35000	
Total for		10 m ²						0	0	35,000	
Unit Cost for		1 m ²						0	0	3,500	

ID No.		Working Name		Calculation Quantity		Remarks					
S-B14-Bq-2		Water & Electricity for Work		10 L.S							
Major Item	ID No.	Description	Unit	Quantity	Unit Cost			Cost			Remarks
					PF/C	IF/C	L/C	PF/C	IF/C	L/C	
		Water & Electricity for Work	L.S	10	0	0	3750000	0	0	37500000	
Total for		10 L.S						0	0	37,500,000	
Unit Cost for		1 L.S						0	0	3,750,000	

ID No.		Working Name		Calculation Quantity		Remarks					
S-B14-Bq-3		Administration & Documentation		10 L.S							
Major Item	ID No.	Description	Unit	Quantity	Unit Cost			Cost			Remarks
					PF/C	IF/C	L/C	PF/C	IF/C	L/C	
		Administration & Documentation	L.S	10	0	0	2500000	0	0	25000000	
Total for		10 L.S						0	0	25,000,000	
Unit Cost for		1 L.S						0	0	2,500,000	

Table 4.2.8 (61/62) UNIT RATE CALCULATION TABLE OF BUILDING WORK

XV. LANDSCAPING WORK

ID No.		Working Name		Calculation Quantity			Remarks				
S-B15-Bq-1		Paving Kansteen (Paving Border)		10 m							
Major Item	ID No.	Description	Unit	Quantity	Unit Cost			Cost			Remarks
					PF/C	IF/C	L/C	PF/C	IF/C	L/C	
Working Base Cost											
	CW-2-107	Masonry of Kanstin Concrete Pavement Border with ratio of	m	10	0	0	35900	0	0	359000	
Others			Miscellaneous	L.S.				0	0	0	Round Up
Total for				10 m				0	0	359,000	
Unit Cost for				1 m				0	0	35,900	

ID No.		Working Name		Calculation Quantity			Remarks				
S-B15-Bq-2		Gravel		10 m ³							
Major Item	ID No.	Description	Unit	Quantity	Unit Cost			Cost			Remarks
					PF/C	IF/C	L/C	PF/C	IF/C	L/C	
Direct Cost											
Working Base Cost											
	CW-1-15	Gravel Bedding	m ³	10	0	1360	31260	0	13600	312600	
Total for				10 m ³				0	13,600	312,600	
Unit Cost for				1 m ³				0	1,360	31,260	

ID No.		Working Name		Calculation Quantity			Remarks				
S-B15-Bq-3		Plantation 1		10 m ²							
Major Item	ID No.	Description	Unit	Quantity	Unit Cost			Cost			Remarks
					PF/C	IF/C	L/C	PF/C	IF/C	L/C	
		Plantation	m ²	10	0	0	7500	0	0	75000	
Total for				10 m ²				0	0	75,000	
Unit Cost for				1 m ²				0	0	7,500	

ID No.		Working Name		Calculation Quantity			Remarks				
S-B15-Bq-4		Demolition Wall		100 m ³							
Major Item	ID No.	Description	Unit	Quantity	Unit Cost			Cost			Remarks
					PF/C	IF/C	L/C	PF/C	IF/C	L/C	
Equipment											
	A-2-1-7	Backhoe; 0.6 m ³	hourly	8.33	125,543	2,040	90,965	1,045,772	16,993	757,739	
	A-2-2-35	Pick Hammer	daily	14.49	5716.911	0	2030.087	82,854	0	29,422	
	A-2-1-48	Dumptruck; 10 ton	hourly	17.13	77269	3060	70744.12	1,323,618	52,418	1,211,847	
	A-2-2-17	Generator; 15 kVA	daily	3.62	82875	1800	52496.05	300,008	6,516	190,036	
Labour											
	L-2-1	Foreman	day	3.62	0	0	48800	0	0	176,812	
	L-2-10	Drill Worker	day	14.49	0	0	39000	0	0	565,217	
	L-2-23	Common Labour	day	14.49	0	0	35100	0	0	508,696	
Working Base Cost											
	CW-1-54	Excavation I	m ³	100	5072	83	3675	507,200	8,300	367,500	
Miscellaneous			L.S.					48	73	32	Round Up
Total for				100 m ³				3,259,500	84,300	3,807,300	
Unit Cost for				1 m ³				32,595	843	38,073	

Manpower Composition; Foreman : man/day
 Common Labor : man/day
 Drill Worker : man/day

*1	50m ³ x	$\frac{T_a}{T \times 60}$	x Composition of Manpower	=	Foreman	Drill Worker	Common
		$\frac{T_b}{60}$	=		3.62	14.49	14.49
*2	100m ³ x	$\frac{T_a}{60}$	=	Dump Truck			
		$\frac{T_c}{T \times 60}$	=	17.13 hour			
*3	50m ³ x	$\frac{T_a}{T \times 60}$	=	Generator			
		$\frac{T_c}{60}$	=	3.62 days			
*4	50m ³ x	$\frac{T_c}{60}$	=	Backhoe			
			=	8.33 hour			

*5 Average Daily Working Time of Generator, Labor, Breaker
 $T = \frac{690}{100} = 6.9$ (hour/day)

Working Time by Hand Breaker / 1m³ (Ta) $T_a = 30$ minutes/m³

Working Time by Dump Truck / 1m³ (Tb)
 $T_b = \left(\frac{5 \text{ km(one way)} \times 2}{20 \text{ minutes / } \frac{40}{10} \text{ km/hour ton truck}} \right) = 10.28$ minutes/m³

Working Time by Backhoe and Pick Hammer / 1m³ (Tc) $T_c = 10$ minutes/m³

Table 4.2.8 (62/62) UNIT RATE CALCULATION TABLE OF BUILDING WORK

ID No.		Working Name		Calculation Quantity						Remarks	
S-B15-Bq-5		Paving Block		10 m ²							
Major Item	ID No.	Description	Unit	Quantity	Unit Cost			Cost			Remarks
					PF/C	IF/C	L/C	PF/C	IF/C	L/C	
Working Base Cost											
	CW-2-112	Masonry of Paving Block	m ²	10	0	5700	44800	0	57000	448000	
Total for		10 m ²						0	57,000	448,000	
Unit Cost for		1 m ²						0	5,700	44,800	

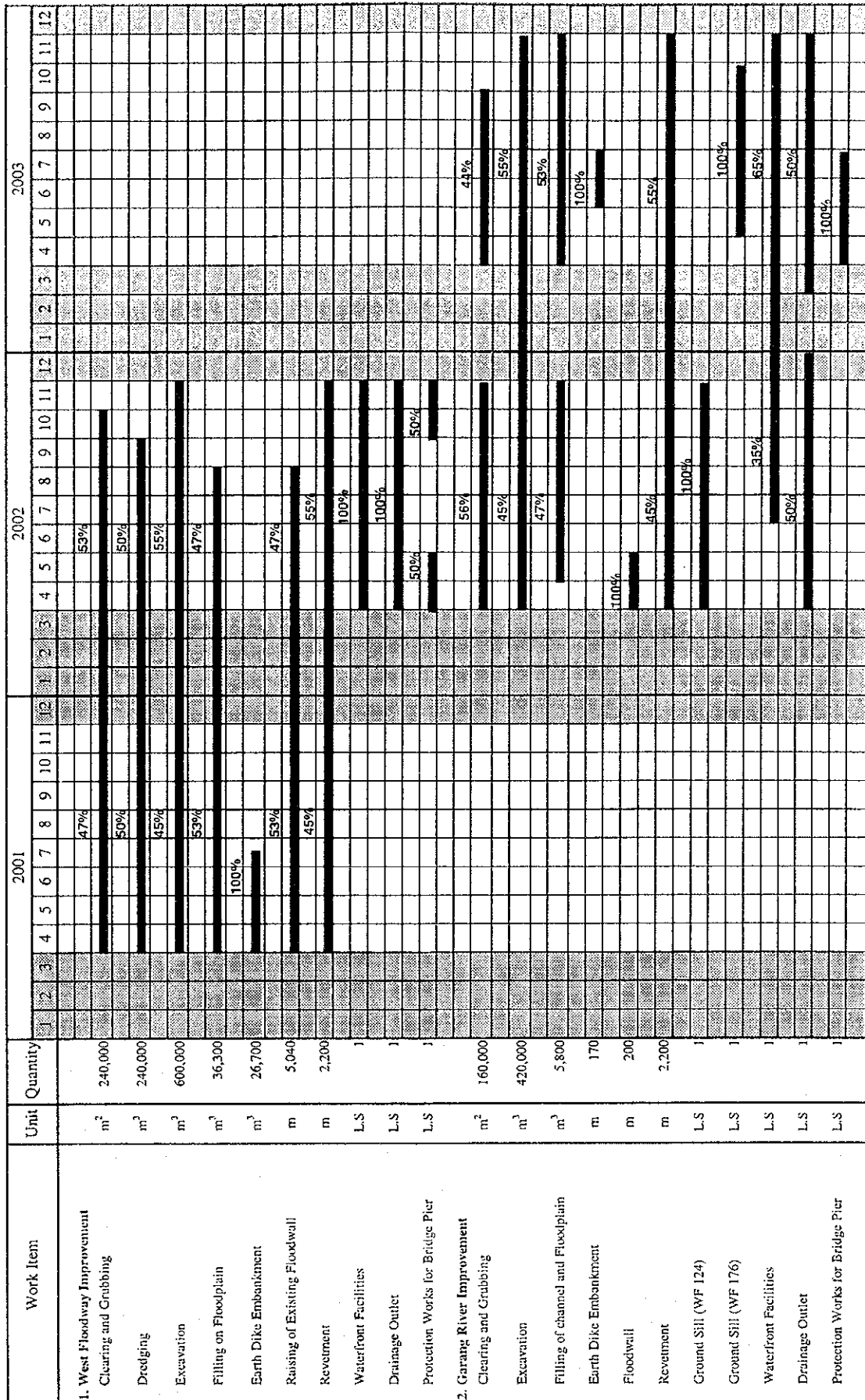
ID No.		Working Name		Calculation Quantity						Remarks	
S-B15-Bq-6		Plantation 2		10 m ²							
Major Item	ID No.	Description	Unit	Quantity	Unit Cost			Cost			Remarks
					PF/C	IF/C	L/C	PF/C	IF/C	L/C	
		Plantation	m ²	10	0	0	250000	0	0	2500000	
Total for		10 m ²						0	0	2,500,000	
Unit Cost for		1 m ²						0	0	250,000	

ID No.		Working Name		Calculation Quantity						Remarks	
S-B15-Bq-7		Plantation 3		10 m ²							
Major Item	ID No.	Description	Unit	Quantity	Unit Cost			Cost			Remarks
					PF/C	IF/C	L/C	PF/C	IF/C	L/C	
		Plantation	m ²	10	0	0	25000	0	0	250000	
Total for		10 m ²						0	0	250,000	
Unit Cost for		1 m ²						0	0	25,000	

ID No.		Working Name		Calculation Quantity						Remarks	
S-B15-Bq-8		Plantation 4		10 m ²							
Major Item	ID No.	Description	Unit	Quantity	Unit Cost			Cost			Remarks
					PF/C	IF/C	L/C	PF/C	IF/C	L/C	
		Plantation	m ²	10	0	0	15000	0	0	150000	
Total for		10 m ²						0	0	150,000	
Unit Cost for		1 m ²						0	0	15,000	

ID No.		Working Name		Calculation Quantity						Remarks	
S-B15-Bq-9		Plantation 5		10 m ²							
Major Item	ID No.	Description	Unit	Quantity	Unit Cost			Cost			Remarks
					PF/C	IF/C	L/C	PF/C	IF/C	L/C	
		Plantation	m ²	10	0	0	5000	0	0	50000	
Total for		10 m ²						0	0	50,000	
Unit Cost for		1 m ²						0	0	5,000	

Table 5.1.1 ANNUAL DIRTRIBUTION OF COST FOR FLOODWAY/GARANG RIVER BY CONSTRUCTION TIME SCHEDULE



Note : 31 % means annual percentage for each work item

Table 5.1.2 ANNUAL DISTRIBUTION OF COST FOR SIMONGAN WEIR BY CONSTRUCTION TIME SCHEDULE

Work Item	Unit	Quantity	2001												2002												2003											
			1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12
I. Preparation Works	L.S	1	[Bar chart showing annual distribution of cost for 2001-2003]																																			
2. Simongan Weir	L.S	1	[Bar chart showing annual distribution of cost for 2001-2003]																																			
Coffering and Dewatering	L.S	1	[Bar chart showing annual distribution of cost for 2001-2003]																																			
Demolition and Excavation	m³	22,000	[Bar chart showing annual distribution of cost for 2001-2003]																																			
Embankment	m³	3,000	[Bar chart showing annual distribution of cost for 2001-2003]																																			
Foundation P.C. Pile, L = 12 m	pcs	800	[Bar chart showing annual distribution of cost for 2001-2003]																																			
Concrete Sheet Pile, L = 5 m	pcs	750	[Bar chart showing annual distribution of cost for 2001-2003]																																			
Concrete	m³	6,400	[Bar chart showing annual distribution of cost for 2001-2003]																																			
Gate Works	L.S	1	[Bar chart showing annual distribution of cost for 2001-2003]																																			
Retaining Wall and Revetment	L.S	1	[Bar chart showing annual distribution of cost for 2001-2003]																																			
Bridge	L.S	1	[Bar chart showing annual distribution of cost for 2001-2003]																																			
Control House	L.S	1	[Bar chart showing annual distribution of cost for 2001-2003]																																			
Relocation of Parts of Existing Weir	L.S	1	[Bar chart showing annual distribution of cost for 2001-2003]																																			

Note : 31 % means annual percentage for each work item

Table 5.1.3 ANNUAL DISTRIBUTION OF COST FOR RAISING OF THE EXISTING RAILWAY BRIDGE

Description	2001			2002				2003																			
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12			
Auxiliary works Preparatory Work	100%																										
Location/Relocation of utilities		41%																									
Temporary access works				56%																							
Temporary support works																											
Temporary cofferdam works				51%																							
Substructure works Excavation works					47%																						
Backfill works							28%																				
Piling								50%																			
Abutment Concrete Foundation									33%																		
Concrete wall										50%																	
Concrete parapet																											
Pier Concrete foundation																											
Concrete post																											
Concrete Beam																											
Superstructure works Raising works																											
Bearing																											
Shift																											
Track works Raise track																											
Arrangement of rail alignment																											

Note: 31% means annual percentage for each work item

Table 5.2.1 (1/9) PAYMENT ITEMS AND THE COSTS FOR PACKAGE-1

ID No.	Item No.	BQ Item	Unit	Quantity	Unit Cost (rupiah)			Initial Cost (rupiah)			Total
					PF/C	IF/C	L/C	PF/C	IF/C	L/C	
R-P1-Bq-1	A	General									
R-P1-Bq-2	A.1	Mobilization and Demobilization	L.S.	1	278,997,500	6,380,200	197,383,900	278,997,500	6,380,200	197,383,900	482,761,600
R-P1-Bq-3	A.2	Establishment									
R-P1-Bq-4	A.2.1	Temporary Construction Road and Bridge	L.S.	1	192,069,400	18,738,800	447,345,900	192,069,400	18,738,800	447,345,900	658,154,100
R-P1-Bq-5	A.2.2	Contractor's Site Office and Facilities	L.S.	1	505,461,000	131,331,200	1,595,633,100	505,461,000	131,331,200	1,595,633,100	2,232,425,300
R-P1-Bq-6	A.2.3	Engineer's Site Office and Facilities	L.S.	1	38,746,200	10,067,200	122,313,400	38,746,200	10,067,200	122,313,400	171,126,800
R-P1-Bq-7	A.3	Drawings	L.S.	1	12,218,200	600,000	48,630,600	12,218,200	600,000	48,630,600	61,448,800
R-P1-Bq-8	A.4	Surveying	L.S.	1	1,484,000	0	7,371,000	1,484,000	0	7,371,000	8,855,000
R-P1-Bq-9	A.5	Geological Investigation									
R-P1-Bq-10	A.5.1	Auger Boring	m	57	31,800	0	157,950	1,812,600	0	9,003,150	10,815,750
R-P1-Bq-11	A.5.2	Rotary Boring	m	378	63,600	0	315,900	24,040,800	0	119,410,200	143,451,000
R-P1-Bq-12	A.5.3	Exploratory Excavation	m ³	90	25,367	67	106,767	2,283,000	6,000	9,609,000	11,898,000
R-P1-Bq-13	B	Channel and Dike Works									
R-P1-Bq-14	B.1	Preparatory Works									
R-P1-Bq-15	B.1.1	Coffering and Dewatering	L.S.	1	2,093,706,600	19,817,100	1,278,926,300	2,093,706,600	19,817,100	1,278,926,300	3,392,450,000
R-P1-Bq-16	B.1.2	Clearing and Grubbing	m ²	133,800	4,040	90	2,850	540,552,000	12,042,000	381,330,000	933,924,000
R-P1-Bq-17	B.1.3	Demolition of Existing Concrete Sheet Pile Wall Type Revetment	L.S.	1	443,966,800	3,010,900	301,082,900	443,966,800	3,010,900	301,082,900	748,060,600
R-P1-Bq-18	B.1.4	Demolition of Existing Concrete/Masonry Structures in River Channel	m ³	210	49,530	918	43,567	10,401,300	192,780	9,149,070	19,743,150
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)	m ³	651,700	15,649	266	10,229	10,198,453,300	173,352,200	6,665,913,450	17,037,718,950
R-P1-Bq-21	B.2.2	Excavation above Water Level (Low Water level shown on the cross sections)	m ³	277,000	15,410	370	10,610	4,268,570,000	102,490,000	2,938,970,000	7,310,030,000
R-P1-Bq-22	B.2.3	Soft Rock Excavation	m ³	700	43,530	910	28,170	30,471,000	637,000	19,719,000	50,827,000
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)	m ³	148,400	16,770	390	11,420	2,488,668,000	57,876,000	1,694,728,000	4,241,272,000
R-P1-Bq-25	B.3.2	Excavation above Water Level (Low Water level shown on the cross sections)	m ³	284,000	15,410	370	10,610	4,376,440,000	105,080,000	3,013,240,000	7,494,760,000
R-P1-Bq-26	B.3.3	Soft Rock Excavation	m ³	2,400	43,530	910	28,170	104,472,000	2,184,000	67,608,000	174,264,000
R-P1-Bq-27	B.4	Earth Dike									
R-P1-Bq-28	B.4.1	Stripping of Top Soil, 250mm thick	m ³	6,200	18,450	390	13,020	114,390,000	2,418,000	80,724,000	197,532,000
R-P1-Bq-29	B.4.2	Embankment	m ³	15,300	26,300	1,210	38,300	402,390,000	18,513,000	585,990,000	1,006,893,000
R-P1-Bq-30	B.4.3	Solid Sodding	m ²	10,700	1,230	0	6,070	13,161,000	0	64,949,000	78,110,000
R-P1-Bq-31	B.4.4	Gravel Pavement, 200mm thick	m ²	697	4,850	700	17,280	3,380,450	487,900	12,044,160	15,912,510
R-P1-Bq-32	B.5	Floodwall/Parapet Wall (Wet Stone Masonry Type)									
R-P1-Bq-33	B.5.1	Structural Excavation	m ³	1,060	19,700	400	15,360	20,882,000	424,000	16,281,600	37,587,600
R-P1-Bq-34	B.5.2	Backfill with Selected Soil	m ³	720	12,720	770	20,480	9,158,400	554,400	14,745,600	24,458,400
R-P1-Bq-35	B.5.3	Gravel Bedding	m ³	40	6,920	1,360	32,990	276,800	54,400	1,319,600	1,650,800
R-P1-Bq-36	B.5.4	Wet Stone Masonry	m ³	310	46,070	28,800	200,020	14,281,700	8,928,000	62,006,200	85,215,900
R-P1-Bq-37	B.5.5	Joint Filler, 10mm thick (Elastic Material)	m ²	30	6,750	9,260	24,250	202,500	277,800	727,500	1,207,800
R-P1-Bq-38	B.5.6	Water Stop, 200mm wide	m	41	98,951	0	9,367	4,056,991	0	384,047	4,441,038
R-P1-Bq-39	B.5.7	Cement Mortar Pointing on Riverside Surface of Wet Stone Masonry	m ²	383	2,000	1,010	8,900	766,000	386,830	3,408,700	4,561,530
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	m ³	15,500	18,450	390	13,020	285,975,000	6,045,000	201,810,000	493,830,000

Table 5.2.1 (2/9) PAYMENT ITEMS AND THE COSTS FOR PACKAGE--1

ID No.	Item No.	BQ Item	Unit	Quantity	Unit Cost (rupiah)			Initial Cost (rupiah)			Total
					PF/C	IF/C	L/C	PF/C	IF/C	L/C	
R-P1-Bq-43	B.6.2	Earth Fill	m ³	46,400	10,560	220	7,650	489,984,000	10,208,000	354,960,000	855,152,000
R-P1-Bq-44	B.7	Miscellaneous Work						0	0	0	0
R-P1-Bq-45	B.7.1	Maintenance Marker Post, 500m interval on Right and Left River Banks	nos.	36	10,790	1,590	51,990	388,440	57,240	1,871,640	2,317,320
R-P1-Bq-46	C.	Raising the Existing Floodwall									
R-P1-Bq-47	C.1	Preparatory Works									
R-P1-Bq-48	C.1.1	Coffering and Dewatering	L.S.	1	9,739,500	378,600	11,768,800	9,739,500	378,600	11,768,800	21,886,900
R-P1-Bq-49	C.1.2	Clearing and Grubbing	m ²	22,200	4,040	90	2,850	89,688,000	1,998,000	63,270,000	154,956,000
R-P1-Bq-50	C.1.3	Demolition of Existing Buttress Wall (Wet Stone Masonry)	m ³	172	49,530	918	43,567	8,519,160	157,896	7,493,524	16,170,580
R-P1-Bq-51	C.2	Raising Works									
R-P1-Bq-52	C.2.1	Structural Excavation	m ³	6,670	19,700	400	15,360	131,399,000	2,668,000	102,451,200	236,518,200
R-P1-Bq-53	C.2.2	Stripping of Top Soil, 250mm thick	m ³	5,600	18,450	390	13,020	103,320,000	2,184,000	72,912,000	178,416,000
R-P1-Bq-54	C.2.3	Embankment at the River Side Front of Floodwall	m ³	15,500	26,300	1,210	38,300	407,650,000	18,755,000	593,650,000	1,020,055,000
R-P1-Bq-55	C.2.4	Solid Sodding	m ²	44,000	1,230	0	6,070	54,120,000	0	267,080,000	321,200,000
R-P1-Bq-56	C.2.5	Backfill with Selected Soil	m ³	1,700	12,720	770	20,480	21,624,000	1,309,000	34,816,000	57,749,000
R-P1-Bq-57	C.2.6	Gravel Bedding	m ³	400	6,920	1,360	32,990	2,768,000	544,000	13,196,000	16,508,000
R-P1-Bq-58	C.2.7	Chipping on Existing Floodwall Surface	m ²	16,789	3,690	0	18,310	61,951,410	0	307,406,590	369,358,000
R-P1-Bq-59	C.2.8	Concrete, Type C1 including Formwork	m ³	5,056	112,470	44,160	365,370	568,648,320	223,272,960	1,847,310,720	2,639,232,000
R-P1-Bq-60	C.2.9	Deformed Reinforcing Bars for C.2.8	kg	221,410	1,230	2,809	3,300	272,312,159	621,918,549	730,675,141	1,624,905,849
R-P1-Bq-61	C.2.10	Furnishing and Driving Log Pile, Dia. 150mm, L=2.0m	m	5,373	35,750	370	31,360	192,084,750	1,988,010	168,497,280	362,570,040
R-P1-Bq-62	C.2.11	Drilling, Anchoring Steel Bars in Existing Floodwall and Filling the Hole with Non-shrinkage Mortar	nos.	44,163	2,600	2,010	10,880	114,823,800	88,767,630	480,493,440	684,084,870
R-P1-Bq-63	C.2.12	Joint Filler, 10mm thick (Elastic Material)	m ²	530	6,750	9,260	24,250	3,577,500	4,907,800	12,852,500	21,337,800
R-P1-Bq-64	C.2.13	Water Stop, 200mm wide	m	1,363	98,951	0	9,367	134,870,213	0	12,767,221	147,637,434
R-P1-Bq-65	C.2.14	Cement Mortar Plastering on Roadside Surface of Floodwall	m ²	5,171	2,380	1,200	10,600	12,306,980	6,205,200	54,812,600	73,324,780
R-P1-Bq-66	D.	Protection Works for Riverbank and Riverbed									
R-P1-Bq-67	D.1	Preparatory Works									
R-P1-Bq-68	D.1.1	Coffering and Dewatering	L.S.	1	618,239,000	1,598,800	353,729,200	618,239,000	1,598,800	353,729,200	973,567,000
R-P1-Bq-69	D.1.2	Clearing and Grubbing	m ²	23,100	4,040	90	2,850	93,324,000	2,079,000	65,835,000	161,238,000
R-P1-Bq-70	D.1.3	Demolition of Existing Wet Masonry Wall	m ³	420	49,530	918	43,567	20,802,600	385,560	18,298,140	39,486,300
R-P1-Bq-71	D.2	Revetment for Side Slope of 1:2 and 1:1.5 (Wet Stone Masonry Type)									
R-P1-Bq-72	D.2.1	Structural Excavation	m ³	34,220	19,700	400	15,360	674,134,000	13,688,000	525,619,200	1,213,441,200
R-P1-Bq-73	D.2.2	Backfill with Selected Soil	m ³	5,740	12,720	770	20,480	73,012,800	4,419,800	117,555,200	194,987,800
R-P1-Bq-74	D.2.3	Gravel Bedding	m ³	9,500	6,920	1,360	32,990	65,740,000	12,920,000	313,405,000	392,065,000
R-P1-Bq-75	D.2.4	Wet Stone Masonry	m ³	9,080	46,070	28,800	200,020	418,315,600	261,504,000	1,816,181,600	2,496,001,200
R-P1-Bq-76	D.2.5	Cement Mortar Pointing on Riverside Surface of Wet Stone Masonry	m ²	28,386	2,000	1,010	8,900	56,772,000	28,669,860	252,635,400	338,077,260
R-P1-Bq-77	D.2.6	Concrete, Type C1 including Formwork	m ³	1,928	112,470	44,160	365,370	216,842,160	85,140,480	704,433,360	1,006,416,000
R-P1-Bq-78	D.2.7	Deformed Reinforcing Bars for Item D.2.6	kg	97,720	1,230	2,809	3,300	120,185,828	274,485,708	322,485,772	717,157,308
R-P1-Bq-79	D.2.8	Furnishing and Driving Log Pile, Dia. 150mm, L=2.0m, 3.0m	m	2,450	35,750	370	31,360	87,587,500	906,500	76,832,000	165,326,000
R-P1-Bq-80	D.2.9	Joint Filler, 10mm thick (Elastic Material)	m ²	1,871	6,750	9,260	24,250	12,629,250	17,325,460	45,371,750	75,326,460
R-P1-Bq-81	D.2.10	Weep Hole, Dia.50mm including Filter Cloth	nos.	3,010	3,147	909	14,500	9,472,028	2,736,364	43,645,000	55,853,392
R-P1-Bq-82	D.2.11	Gabion Cylinder Dia.500mm (Galvanized and Coated with PVC)	m ³	1,645	533,280	3,820	171,320	877,245,600	6,283,900	281,821,400	1,165,350,900
R-P1-Bq-83	D.2.12	Soil Filling	m ³	480	8,860	140	7,820	4,252,800	67,200	3,753,600	8,073,600
R-P1-Bq-84	D.2.13	Gabion Mattress t=500mm (Galvanized)	m ³	4,914	659,260	3,060	142,060	3,239,603,640	15,036,840	698,082,840	3,952,723,320
R-P1-Bq-85	D.2.14	Rubble Stone Filling	m ³	917	15,070	2,320	49,320	13,819,190	2,127,440	45,226,440	61,173,070

Table 5.2.1 (3/9) PAYMENT ITEMS AND THE COSTS FOR PACKAGE-1

ID No.	Item No.	BQ Item	Unit	Quantity	Unit Cost (rupiah)			Initial Cost (rupiah)				
					PF/C	IF/C	L/C	PF/C	IF/C	L/C	Total	
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	m ³	5,110	19,700	400	15,360	100,667,000	2,044,000	78,489,600	181,200,600	
R-P1-Bq-88	D.3.2	Rubble Stone Bedding	m ³	2,373	13,760	2,790	65,520	32,652,480	6,620,670	155,478,960	194,752,110	
R-P1-Bq-89	D.3.3	Stone Facing (Dia.250 to 400mm)	m ³	5,005	20,310	2,420	75,230	101,651,550	12,112,100	376,526,150	490,289,800	
R-P1-Bq-90	D.4	PC (Prestressed Concrete) Sheet Pile Wall Type Revetment										
R-P1-Bq-91	D.4.1	Structural Excavation	m ³	440	19,700	400	15,360	8,668,000	176,000	6,758,400	15,602,400	
R-P1-Bq-92	D.4.2	Backfill with Selected Soil	m ³	6,660	12,720	770	20,480	84,715,200	5,128,200	136,396,800	226,240,200	
R-P1-Bq-93	D.4.3	Gravel Bedding	m ³	29	6,920	1,360	32,990	200,680	39,440	956,710	1,196,830	
R-P1-Bq-94	D.4.4	Furnishing and Driving PC Sheet Pile (K-500, t=220mm, w=500mm)	m	15,050	247,670	100	30,940	3,727,433,500	1,505,000	465,647,000	4,194,585,500	
R-P1-Bq-95	D.4.5	Fixing Steel Tie Rod, Steel Cannel and Steel Plate to PC Sheet Pile	kg	13,580	48,712	1,380	30,225	661,508,960	18,740,400	410,455,500	1,090,704,860	
R-P1-Bq-96	D.4.6	Concrete, Type C1 including Formwork	m ³	325	112,470	44,160	365,370	36,552,750	14,352,000	118,745,250	169,650,000	
R-P1-Bq-97	D.4.7	Deformed Reinforcing Bars for D.4.6	kg	10,650	1,230	2,809	3,300	13,098,435	29,914,785	35,146,065	78,159,285	
R-P1-Bq-98	D.4.8	Joint Filler, 10mm thick (Elastic Material)	m ²	29	6,750	9,260	24,250	195,750	268,540	703,250	1,167,540	
R-P1-Bq-99	D.4.9	Gabion Mattress (Galvanized) t=300mm with Soil Covering	m ³	434	395,040	3,080	119,850	171,447,360	1,336,720	52,014,900	224,798,980	
R-P1-Bq-100	D.4.10	Riprap Mound (Dia.250 to 400mm)	m ³	6,641	20,750	2,480	54,140	137,800,750	16,469,680	359,543,740	513,814,170	
R-P1-Bq-101	D.5	Leaning Wall (Concrete Type)										
R-P1-Bq-102	D.5.1	Structural Excavation	m ³	6,340	19,700	400	15,360	124,898,000	2,536,000	97,382,400	224,816,400	
R-P1-Bq-103	D.5.2	Backfill with Selected Soil	m ³	1,430	12,720	770	20,480	18,189,600	1,101,100	29,286,400	48,577,100	
R-P1-Bq-104	D.5.3	Backfill with Gravel	m ³	1,530	18,580	4,060	88,210	28,427,400	6,211,800	134,961,300	169,600,500	
R-P1-Bq-105	D.5.4	Rubble Stone Bedding	m ³	260	13,760	2,790	65,520	3,577,600	725,400	17,035,200	21,338,200	
R-P1-Bq-106	D.5.5	Concrete, Type D including Formwork	m ³	3,847	268,520	41,210	1,025,360	1,032,996,440	158,534,870	3,944,559,920	5,136,091,230	
R-P1-Bq-107	D.5.6	Deformed Reinforcing Bars for Item D.5.5	kg	3,000	1,402	2,810	3,418	4,205,700	8,429,400	10,252,800	22,887,900	
R-P1-Bq-108	D.5.7	Joint Filler, 10mm thick (Elastic Material)	m ²	272	6,750	9,260	24,250	1,836,000	2,518,720	6,596,000	10,950,720	
R-P1-Bq-109	D.5.8	Weep Hole, Dia.50mm including Filter Cloth	nos.	491	3,147	909	14,500	1,545,105	446,364	7,119,500	9,110,969	
R-P1-Bq-110	D.5.9	Steel Fence (with Anti-corrosion Painting), H=1,100mm	m	630	95,317	23,533	182,017	60,049,500	14,826,000	114,670,500	189,546,000	
R-P1-Bq-111	D.6	Leaning Wall (Wet Stone Masonry Type)										
R-P1-Bq-112	D.6.1	Structural Excavation	m ³	11,960	19,700	400	15,360	235,612,000	4,784,000	183,705,600	424,101,600	
R-P1-Bq-113	D.6.2	Backfill with Selected Soil	m ³	3,140	12,720	770	20,480	39,940,800	2,417,800	64,307,200	106,665,800	
R-P1-Bq-114	D.6.3	Backfill with Gravel	m ³	2,746	18,580	4,060	88,210	51,020,680	11,148,760	242,224,660	304,394,100	
R-P1-Bq-115	D.6.4	Rubble Stone Bedding	m ³	347	13,760	2,790	65,520	4,774,720	968,130	22,735,440	28,478,290	
R-P1-Bq-116	D.6.5	Wet Stone Masonry	m ³	4,520	46,070	28,800	200,020	208,236,400	130,176,000	904,090,400	1,242,502,800	
R-P1-Bq-117	D.6.6	Cement Mortar Pointing on Riverside Surface of Wet Stone Masonry	m ²	5,152	2,000	1,010	8,900	10,304,000	5,203,520	45,852,800	61,360,320	
R-P1-Bq-118	D.6.7	Covering Concrete, Type D	m ³	91	102,540	43,070	317,440	9,331,140	3,919,370	28,887,040	42,137,550	
R-P1-Bq-119	D.6.8	Joint Filler, 10mm thick (Elastic Material)	m ²	423	6,750	9,260	24,250	2,855,250	3,916,980	10,257,750	17,029,980	
R-P1-Bq-120	D.6.9	Weep Hole, Dia.50mm including Filter Cloth	nos.	1,803	3,147	909	14,500	5,673,776	1,639,091	26,143,500	33,456,367	
R-P1-Bq-121	D.6.10	Steel Fence (with Anti-corrosion Painting), H=1,100mm	m	1,240	95,317	23,533	182,017	118,192,667	29,181,333	225,700,667	373,074,667	
R-P1-Bq-122	D.7	Earth Retaining Wall (Wet Stone Masonry Type)										
R-P1-Bq-123	D.7.1	Structural Excavation	m ³	200	19,700	400	15,360	3,940,000	80,000	3,072,000	7,092,000	
R-P1-Bq-124	D.7.2	Backfill with Selected Soil	m ³	92	12,720	770	20,480	1,170,240	70,840	1,884,160	3,125,240	
R-P1-Bq-125	D.7.3	Gravel Bedding	m ³	28	6,920	1,360	32,990	193,760	38,080	923,720	1,155,560	
R-P1-Bq-126	D.7.4	Wet Stone Masonry	m ³	320	46,070	28,800	200,020	14,742,400	9,216,000	64,006,400	87,964,800	
R-P1-Bq-127	D.7.5	Cement Mortar Pointing on Riverside Surface of Wet Stone Masonry	m ²	388	2,000	1,010	8,900	776,000	391,880	3,453,200	4,621,080	
R-P1-Bq-128	D.7.6	Joint Filler, 10mm thick (Elastic Material)	m ²	29	6,750	9,260	24,250	195,750	268,540	703,250	1,167,540	

Table 5.2.1 (4/9) PAYMENT ITEMS AND THE COSTS FOR PACKAGE-1

ID No.	Item No.	BQ Item	Unit	Quantity	Unit Cost (rupiah)			Initial Cost (rupiah)			Total
					PF/C	IF/C	L/C	PF/C	IF/C	L/C	
R-P1-Bq-129	D.8	Pile Type Groin									
R-P1-Bq-130	D.8.1	Structural Excavation	m ³	10	19,700	400	15,360	197,000	4,000	153,600	354,600
R-P1-Bq-131	D.8.2	Reinforced Concrete Pile, Concrete Type A3, Section 200x200	m	1,603	205,800	49,970	818,940	329,897,400	80,101,910	1,312,760,820	1,722,760,130
R-P1-Bq-132	D.8.3	Test Piling for D.8.2	m	63	53,580	260	52,030	3,375,540	16,380	3,277,890	6,669,810
R-P1-Bq-133	D.8.4	Driving RC Pile	m	682	51,460	260	41,500	35,095,720	177,320	28,303,000	63,576,040
R-P1-Bq-134	D.8.5	Cutting Pile Head	m ³	16	78,390	0	38,090	1,254,240	0	609,440	1,863,680
R-P1-Bq-135	D.8.6	Concrete Type C1 for Beam including Formwork	m ³	34	375,740	42,910	603,970	12,775,160	1,458,940	20,534,980	34,769,080
R-P1-Bq-136	D.8.7	Deformed Reinforcing Bars for Beam	kg	4,130	1,402	2,810	3,418	5,789,847	11,604,474	14,114,688	31,509,009
R-P1-Bq-137	D.8.8	Stone Facing (Dia.250 to 400mm)	m ³	479	20,310	2,420	75,230	9,728,490	1,159,180	36,035,170	46,922,840
R-P1-Bq-138	D.9	Riverbed Protection around Bridge Piers									
R-P1-Bq-139	D.9.1	Structural Excavation	m ³	830	19,700	400	15,360	16,351,000	332,000	12,748,800	29,431,800
R-P1-Bq-140	D.9.2	Backfill with Selected Soil	m ³	180	12,720	770	20,480	2,289,600	138,600	3,686,400	6,114,600
R-P1-Bq-142	D.9.3	Rubble Stone Filling	m ³	91	31,880	2,590	62,010	2,901,080	235,690	5,642,910	8,779,680
R-P1-Bq-143	D.9.4	Placing Filter Cloth (Geotextile sheet)	m ²	261	14,290	30	3,800	3,729,690	7,830	991,800	4,729,320
R-P1-Bq-144	D.9.5	Gabion Mattress (Galvanized) t=500mm	m ³	471	659,260	3,060	142,060	310,511,460	1,441,260	66,910,260	378,862,980
R-P1-Bq-145	D.9.6	Placing Palm Fiber Filter under Gabion Mattress	m ²	648	8,440	1,190	25,890	5,469,120	771,120	16,776,720	23,016,960
R-P1-Bq-146	D.9.7	Riprap Mound (Dia.250 to 400)	m ³	430	20,750	2,480	54,140	8,922,500	1,066,400	23,280,200	33,269,100
R-P1-Bq-147	D.9.8	Gravel Bedding	m ³	28	6,920	1,360	32,990	193,760	38,080	923,720	1,155,560
R-P1-Bq-149	D.9.9	Precast Concrete Block (2.0t/piece), Concrete Type-D	nos.	116	209,366	94,760	351,428	24,286,398	10,992,206	40,765,625	76,044,229
R-P1-Bq-150	D.10	Sodding									
R-P1-Bq-151	D.10.1	Solid Sodding	m ²	70,350	1,230	0	6,070	86,530,500	0	427,024,500	513,555,000
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	L.S.	1	2,551,475,000	4,670,200	1,490,856,700	2,551,475,000	4,670,200	1,490,856,700	4,047,001,900
R-P1-Bq-155	E.1.2	Clearing and Grubbing	m ²	1,590	4,040	90	2,850	6,423,600	143,100	4,531,500	11,098,200
R-P1-Bq-156	E.2	Ground Sill with Head at WF124									
R-P1-Bq-157	E.2.1	Structural Excavation	m ³	380	19,700	400	15,360	7,486,000	152,000	5,836,800	13,474,800
R-P1-Bq-158	E.2.2	Backfill with Selected Soil	m ³	630	12,720	770	20,480	8,013,600	485,100	12,902,400	21,401,100
R-P1-Bq-159	E.2.3	Replacement of Base Soil under the Ground Sill by Selected Material	m ³	620	22,640	1,640	37,460	14,036,800	1,016,800	23,225,200	38,278,800
R-P1-Bq-160	E.2.4	Furnishing and Driving Concrete PC Pile (K-500, t=220mm, w=500mm)	m	833	247,670	100	30,940	206,309,110	83,300	25,773,020	232,165,430
R-P1-Bq-161	E.2.5	Leveling Concrete, Type E including Formwork	m ³	52	78,580	37,610	211,460	4,086,160	1,955,720	10,995,920	17,037,800
R-P1-Bq-162	E.2.6	Concrete for Main Body, Type D including Formwork	m ³	580	268,520	41,210	1,025,360	155,741,600	23,901,800	594,708,800	774,352,200
R-P1-Bq-163	E.2.7	Concrete for Side Wall, Type C1 including Formwork	m ³	67	112,470	44,160	365,370	7,535,490	2,958,720	24,479,790	34,974,000
R-P1-Bq-164	E.2.8	Deformed Reinforcing Bars for Side Wall	kg	4,370	1,230	2,809	3,300	5,374,663	12,274,893	14,421,437	32,070,993
R-P1-Bq-165	E.2.9	Water Stop, 200mm wide	m	14	98,951	0	9,367	1,385,314	0	131,138	1,516,452
R-P1-Bq-166	E.2.10	Joint Filler, 10mm thick (Elastic Material)	m ²	161	6,750	9,260	24,250	1,086,750	1,490,860	3,904,250	6,481,860
R-P1-Bq-167	E.2.11	Wet Stone Masonry for Revetment	m ³	350	46,070	28,800	200,020	16,124,500	10,080,000	70,007,000	96,211,500
R-P1-Bq-168	E.2.12	Cement Mortar Pointing on Riverside Surface of Wet Stone Masonry	m ²	1,216	2,000	1,010	8,900	2,432,000	1,228,160	10,822,400	14,482,560
R-P1-Bq-169	E.2.13	Concrete, Type C1 for Revetment including Formwork	m ³	69	112,470	44,160	365,370	7,760,430	3,047,040	25,210,530	36,018,000
R-P1-Bq-170	E.2.14	Deformed Reinforcing Bars for Revetment	kg	3,840	1,230	2,809	3,300	4,722,816	10,786,176	12,672,384	28,181,376
R-P1-Bq-171	E.2.15	Gabion Mattress t=500mm (Galvanized) on Riverbed	m ³	693	659,260	3,060	142,060	456,867,180	2,120,580	98,447,580	557,435,340
R-P1-Bq-172	E.2.16	Placing Palm Fiber Filter under Gabion Mattress	m ²	1,196	8,440	1,190	25,890	10,094,240	1,423,240	30,964,440	42,481,920
R-P1-Bq-173	E.2.17	Gabion Cylinder Dia. 500mm (Galvanized and coated with PVC) on Side Slope	m ³	72	533,280	3,820	171,320	38,396,160	275,040	12,335,040	51,006,240

Table 5.2.1 (5/9) PAYMENT ITEMS AND THE COSTS FOR PACKAGE-1

ID No.	Item No.	BQ Item	Unit	Quantity	Unit Cost (rupiah)			Initial Cost (rupiah)			Total
					PF/C	IF/C	L/C	PF/C	IF/C	L/C	
R-P1-Bq-174	E.2.18	Soil Filling	m ³	30	8,860	140	7,820	265,800	4,200	234,600	504,600
R-P1-Bq-175	E.2.19	Gravel Bedding	m ³	392	6,920	1,360	32,990	2,712,640	533,120	12,932,080	16,177,840
R-P1-Bq-176	E.2.20	Rubble Stone Bedding	m ³	55	13,760	2,790	65,520	756,800	153,450	3,603,600	4,513,850
R-P1-Bq-177	E.3	Ground Sill without Head at WF173									
R-P1-Bq-178	E.3.1	Structural Excavation	m ³	1,240	19,700	400	15,360	24,428,000	496,000	19,046,400	43,970,400
R-P1-Bq-179	E.3.2	Soft Rock Excavation	m ³	660	43,530	910	28,170	28,729,800	600,600	18,592,200	47,922,600
R-P1-Bq-180	E.3.3	Backfill with Selected Soil	m ³	540	12,720	770	20,480	6,868,800	415,800	11,059,200	18,343,800
R-P1-Bq-181	E.3.4	Gravel Bedding for Main Body and Side Wall	m ³	33	6,920	1,360	32,990	228,360	44,880	1,088,670	1,361,910
R-P1-Bq-182	E.3.5	Wet Stone Masonry for Main Body and Side Wall	m ³	240	46,070	28,800	200,020	11,056,800	6,912,000	48,004,800	65,973,600
R-P1-Bq-183	E.3.6	Gravel Bedding for Revetment	m ³	153	6,920	1,360	32,990	1,058,760	208,080	5,047,470	6,314,310
R-P1-Bq-184	E.3.7	Wet Stone Masonry for Revetment	m ³	140	46,070	28,800	200,020	6,449,800	4,032,000	28,002,800	38,484,600
R-P1-Bq-185	E.3.8	Cement Mortar Pointing on Riverside Surface of Wet Stone Masonry	m ²	521	2,000	1,010	8,900	1,042,000	526,210	4,636,900	6,205,110
R-P1-Bq-186	E.3.9	Concrete Type C1 including Formwork for Revetment	m ³	21	112,470	44,160	365,370	2,361,870	927,360	7,672,770	10,962,000
R-P1-Bq-187	E.3.10	Deformed Reinforcing Bars for Revetment	kg	1,090	1,230	2,809	3,300	1,340,591	3,061,701	3,597,109	7,999,401
R-P1-Bq-188	E.3.11	Joint Filler, 10mm thick (Elastic Material)	m ²	47	6,750	9,260	24,250	317,250	435,220	1,139,750	1,892,220
R-P1-Bq-189	E.3.12	Gabion Mattress t=500mm (Galvanized) on Riverbed	m ³	693	659,260	3,060	142,060	456,867,180	2,120,580	98,447,580	557,435,340
R-P1-Bq-190	E.3.13	Placing Palm Fiber Filter under Gabion Mattress	m ²	1,239	8,440	1,190	25,890	10,457,160	1,474,410	32,077,710	44,009,280
R-P1-Bq-191	E.3.14	Gabion Cylinder Dia. 500mm (Galvanized and Coated with PVC) on Side Slope	m ³	59	533,280	3,820	171,320	31,463,520	225,380	10,107,880	41,796,780
R-P1-Bq-192	E.3.15	Soil Filling	m ³	20	8,860	140	7,820	177,200	2,800	156,400	336,400
R-P1-Bq-193	E.3.16	Rubble Stone Bedding	m ³	20	13,760	2,790	65,520	275,200	55,800	1,310,400	1,641,400
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	L.S.	1	145,550,400	422,400	83,777,200	145,550,400	422,400	83,777,200	229,750,000
R-P1-Bq-197	F.1.2	Clearing and Grubbing	m ²	560	4,040	90	2,850	2,262,400	50,400	1,596,000	3,908,800
R-P1-Bq-198	F.1.3	Demolition and Removal of Existing Concrete and Masonry Structures	m ³	170	71,146	1,872	56,788	12,094,820	318,240	9,653,960	22,067,020
R-P1-Bq-199	F.2	Main Structures and Steel Slide Gate									
R-P1-Bq-200	F.2.1	Structural Excavation	m ³	970	19,700	400	15,360	19,109,000	388,000	14,899,200	34,396,200
R-P1-Bq-201	F.2.2	Backfill with Selected Soil	m ³	340	12,720	770	20,480	4,324,800	261,800	6,963,200	11,549,800
R-P1-Bq-202	F.2.3	Embankment for Dike	m ³	150	26,300	1,210	38,300	3,945,000	181,500	5,745,000	9,871,500
R-P1-Bq-203	F.2.4	Solid Sodding	m ²	30	1,230	0	6,070	36,900	0	182,100	219,000
R-P1-Bq-204	F.2.5	Furnishing and Driving PC Sheet Pile (K-500, t=220mm, w=500mm)	m	68	247,670	100	30,940	16,841,560	6,800	2,103,920	18,952,280
R-P1-Bq-205	F.2.6	Leveling Concrete, Type E including Formwork	m ³	9	78,580	37,610	211,460	707,220	338,490	1,903,140	2,948,850
R-P1-Bq-206	F.2.7	Concrete for Structure, Type C1 including Formwork	m ³	83	375,740	42,910	603,970	31,186,420	3,561,530	50,129,510	84,877,460
R-P1-Bq-207	F.2.8	Concrete for Blockout, Type C2 including Formwork	m ³	2	110,850	46,340	355,990	221,700	92,680	711,980	1,026,360
R-P1-Bq-208	F.2.9	Deformed Reinforcing Bars for Item F.2.7	kg	5,650	1,230	2,809	3,300	6,948,935	15,870,285	18,645,565	41,464,785
R-P1-Bq-209	F.2.10	Water Stop, 200 mm wide	m	16	98,951	0	9,367	1,583,216	0	149,872	1,733,088
R-P1-Bq-210	F.2.11	Joint Filler, 10mm thick (Elastic Material)	m ²	10	6,750	9,260	24,250	67,500	92,600	242,500	402,600
R-P1-Bq-211	F.2.12	Furnishing and Installing Slide Gate, H=1.6m x W=1.6m	L.S.	1	4,875,500	110,600	7,059,900	4,875,500	110,600	7,059,900	12,046,000
R-P1-Bq-212	F.2.13	Furnishing and Installing Hoist	L.S.	1	2,465,800	28,400	3,598,100	2,465,800	28,400	3,598,100	6,092,300
R-P1-Bq-213	F.2.14	Furnishing and Installing Anchor Bars and Metal Guide Frames	kg	40	5,940	788	5,801	237,600	31,520	232,040	501,160
R-P1-Bq-214	F.2.15	Furnishing and Installing Hand Rail and Ladder (with Anti-corrosion Painting)	kg	190	2,049	481	4,231	389,310	91,390	803,890	1,284,590
R-P1-Bq-215	F.3	Riverside Open Channel and Revetment									

Table 5.2.1 (6/9) PAYMENT ITEMS AND THE COSTS FOR PACKAGE-1

ID No.	Item No.	BQ Item	Unit	Quantity	Unit Cost (rupiah)			Initial Cost (rupiah)			
					PF/C	IF/C	L/C	PF/C	IF/C	L/C	Total
R-P1-Bq-216	F.3.1	Structural Excavation	m ³	320	19,700	400	15,360	6,304,000	128,000	4,915,200	11,347,200
R-P1-Bq-217	F.3.2	Backfill with Selected Soil	m ³	40	12,720	770	20,480	508,800	30,800	819,200	1,358,800
R-P1-Bq-218	F.3.3	Filling Existing Open Channel	m ³	30	4,010	40	2,930	120,300	1,200	87,900	209,400
R-P1-Bq-219	F.3.4	Gravel Bedding	m ³	81	6,920	1,360	32,990	560,520	110,160	2,672,190	3,342,870
R-P1-Bq-220	F.3.5	Wet Stone Masonry	m ³	90	46,070	28,800	200,020	4,146,300	2,592,000	18,001,800	24,740,100
R-P1-Bq-221	F.3.6	Cement Mortar Pointing on Riverside Surface of Wet Stone Masonry	m ²	217	2,000	1,010	8,900	434,000	219,170	1,931,300	2,584,470
R-P1-Bq-222	F.3.7	Concrete, Type C1 including Formwork	m ³	24	112,470	44,160	365,370	2,699,280	1,059,840	8,768,880	12,528,000
R-P1-Bq-223	F.3.8	Deformed Reinforcing Bars for F.3.7	kg	1,040	1,230	2,809	3,300	1,279,096	2,921,256	3,432,104	7,632,456
R-P1-Bq-224	F.3.9	Concrete Type D including Formwork	m ³	3	102,540	43,070	317,440	307,620	129,210	952,320	1,389,150
R-P1-Bq-225	F.3.10	Joint Filler, 10mm thick (Elastic Material)	m ²	19	6,750	9,260	24,250	128,250	175,940	460,750	764,940
R-P1-Bq-226	F.3.11	Gabion Cylinder Dia. 500mm (Galvanized and Coated with PVC)	m ³	66	533,280	3,820	171,320	35,196,480	252,120	11,307,120	46,755,720
R-P1-Bq-227	F.3.12	Soil Filling	m ³	20	8,860	140	7,820	177,200	2,800	156,400	336,400
R-P1-Bq-228	F.3.13	Gabion Mattress t=500mm (Galvanized)	m ³	29	659,260	3,060	142,060	19,118,540	88,740	4,119,740	23,327,020
R-P1-Bq-229	F.3.14	Rubble Stone Filling	m ³	9	15,070	2,320	49,320	135,630	20,880	443,880	600,390
R-P1-Bq-230	F.4	Connecting Channel and Drainage Pipe									
R-P1-Bq-231	F.4.1	Structural Excavation	m ³	630	19,700	400	15,360	12,411,000	252,000	9,676,800	22,339,800
R-P1-Bq-232	F.4.2	Backfill with Selected Soil	m ³	390	12,720	770	20,480	4,960,800	300,300	7,987,200	13,248,300
R-P1-Bq-233	F.4.3	Gravel Bedding	m ³	16	6,920	1,360	32,990	110,720	21,760	527,840	660,320
R-P1-Bq-234	F.4.4	Wet Stone Masonry	m ³	100	46,070	28,800	200,020	4,607,000	2,880,000	20,002,000	27,489,000
R-P1-Bq-235	F.4.5	Mortar Plastering on Surface of Wet Stone Masonry	m ²	208	2,380	1,200	10,600	495,040	249,600	2,204,800	2,949,440
R-P1-Bq-236	F.4.6	Furnishing and Installing RC Pipe, Dia.600mm	m	16	60,990	9,830	68,180	975,840	157,280	1,090,880	2,224,000
R-P1-Bq-237	F.4.7	Concrete, Type D including Formwork	m ³	17	102,540	43,070	317,440	1,743,180	732,190	5,396,480	7,871,850
R-P1-Bq-238	F.4.8	Concrete, Type C1 including Formwork	m ³	13	112,470	44,160	365,370	1,462,110	574,080	4,749,810	6,786,000
R-P1-Bq-239	F.4.9	Deformed Reinforcing Bars for Item F.4.7 and F.4.8	kg	1,440	1,230	2,809	3,300	1,771,056	4,044,816	4,752,144	10,568,016
R-P1-Bq-240	F.5	Reinforcement of Existing Dike									
R-P1-Bq-241	F.5.1	Structural Excavation	m ³	130	19,700	400	15,360	2,561,000	52,000	1,996,800	4,609,800
R-P1-Bq-242	F.5.2	Embankment for Dike	m ³	120	26,300	1,210	38,300	3,156,000	145,200	4,596,000	7,897,200
R-P1-Bq-243	F.5.3	Solid Sodding	m ²	40	1,230	0	6,070	49,200	0	242,800	292,000
R-P1-Bq-244	F.5.4	Gravel Bedding	m ³	3	6,920	1,360	32,990	20,760	4,080	98,970	123,810
R-P1-Bq-245	F.5.5	Wet Stone Masonry	m ³	30	46,070	28,800	200,020	1,382,100	864,000	6,000,600	8,246,700
R-P1-Bq-246	F.5.6	Cement Mortar Pointing on Surface of Wet Stone Masonry	m ²	32	2,000	1,010	8,900	64,000	32,320	284,800	381,120
R-P1-Bq-247	F.5.7	Backfill with Selected Soil	m ³	80	12,720	770	20,480	1,017,600	61,600	1,638,400	2,717,600
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	L.S.	1	15,480,900	589,100	18,393,200	15,480,900	589,100	18,393,200	34,463,200
R-P1-Bq-251	G.1.2	Clearing and Grubbing	m ²	580	4,040	90	2,850	2,343,200	52,200	1,653,000	4,048,400
R-P1-Bq-252	G.1.3	Demolition of Existing Structure (Concrete and Wet Masonry)	m ³	20	71,146	1,872	56,788	1,422,920	37,440	1,135,760	2,596,120
R-P1-Bq-253	G.2	Outlet Structures									
R-P1-Bq-254	G.2.1	Structural Excavation	m ³	1,570	19,700	400	15,360	30,929,000	628,000	24,115,200	55,672,200
R-P1-Bq-255	G.2.2	Backfill with Selected Soil	m ³	460	12,720	770	20,480	5,851,200	354,200	9,420,800	15,626,200
R-P1-Bq-256	G.2.3	Furnishing and Driving Log Pile, Dia. 150mm, L=2.0m	m	25	35,750	370	31,360	893,750	9,250	784,000	1,687,000
R-P1-Bq-257	G.2.4	Gravel Bedding	m ³	39	6,920	1,360	32,990	269,880	53,040	1,286,610	1,609,530
R-P1-Bq-258	G.2.5	Chipping on Existing Structure	m ²	30	3,690	0	18,310	110,700	0	549,300	660,000
R-P1-Bq-259	G.2.6	Concrete, Type E including Formwork	m ³	4	78,580	37,610	211,460	314,320	150,440	845,840	1,310,600
R-P1-Bq-260	G.2.7	Concrete, Type-C1 including Formwork	m ³	49	112,470	44,160	365,370	5,511,030	2,163,840	17,903,130	25,578,000

Table 5.2.1 (7/9) PAYMENT ITEMS AND THE COSTS FOR PACKAGE-1

ID No.	Item No.	BQ Item	Unit	Quantity	Unit Cost (rupiah)			Initial Cost (rupiah)			Total
					PF/C	IF/C	L/C	PF/C	IF/C	L/C	
R-P1-Bq-261	G.2.8	Concrete, Type-C2 including Formwork	m ³	2	110,850	46,340	355,990	221,700	92,680	711,980	1,026,360
R-P1-Bq-262	G.2.9	Concrete, Type-D including Formwork	m ³	3	102,540	43,070	317,440	307,620	129,210	952,320	1,389,150
R-P1-Bq-263	G.2.10	RC Concrete Pipe, Dia.600mm	m	5	60,990	9,830	68,180	304,950	49,150	340,900	695,000
R-P1-Bq-264	G.2.11	Deformed Reinforcing Bars for G.2.7	kg	1,940	1,230	2,809	3,300	2,386,006	5,449,266	6,402,194	14,237,466
R-P1-Bq-265	G.2.12	Wet Stone Masonry	m ³	380	46,070	28,800	200,020	17,506,600	10,944,000	76,007,600	104,458,200
R-P1-Bq-266	G.2.13	Cement Mortar Pointing on Riverside Surface of Wet Stone Masonry	m ²	176	2,000	1,010	8,900	352,000	177,760	1,566,400	2,096,160
R-P1-Bq-267	G.2.14	Joint Filler, 10mm thick (Elastic Material)	m ²	24	6,750	9,260	24,250	162,000	222,240	582,000	966,240
R-P1-Bq-268	G.2.15	Drilling, Anchoring Steel Bars in Existing Floodwall and Filling the Hole with Non-shrinkage Mortar	nos.	113	2,600	2,010	10,880	293,800	227,130	1,229,440	1,750,370
R-P1-Bq-269	G.2.16	Plastering on Surface of Wet Masonry	m ²	26	2,380	1,200	10,600	61,880	31,200	275,600	368,680
R-P1-Bq-270	G.2.17	Gabion Mattress t=500mm (Galvanized)	m ³	24	664,580	3,120	145,960	15,949,920	74,880	3,503,040	19,527,840
R-P1-Bq-271	G.2.18	Gabion Cylinder Dia. 500mm (Galvanized and Coated with PVC)	m ³	70	533,280	3,820	171,320	37,329,600	267,400	11,992,400	49,589,400
R-P1-Bq-272	G.2.19	Rubble Stone Filling	m ³	5	15,070	2,320	49,320	75,350	11,600	246,600	333,550
R-P1-Bq-273	G.2.20	Soil Filling	m ³	30	8,860	140	7,820	265,800	4,200	234,600	504,600
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)	nos.	1	7,613,000	132,800	5,551,400	7,613,000	132,800	5,551,400	13,297,200
R-P1-Bq-276	G.3.2	Furnishing and Installing Steel Flap Gate (H=0.8m x W=1.4m)	nos.	1	9,346,500	120,500	6,685,000	9,346,500	120,500	6,685,000	16,152,000
R-P1-Bq-277	G.3.3	Furnishing and Installing Steel Flap Gate (H=1.0m x W=1.0m)	nos.	1	8,094,600	115,500	5,823,800	8,094,600	115,500	5,823,800	14,033,900
R-P1-Bq-278	G.3.4	Furnishing and Installing Steel Flap Gate (H=1.0m x W=1.0m)	nos.	1	8,094,600	115,500	5,823,800	8,094,600	115,500	5,823,800	14,033,900
R-P1-Bq-279	G.3.5	Furnishing and Installing Steel Flap Gate (H=0.9m x W=1.1m)	nos.	1	8,493,500	120,200	6,107,600	8,493,500	120,200	6,107,600	14,721,300
R-P1-Bq-280	G.3.6	Furnishing and Installing Steel Flap Gate (H=2.2m x W=1.6m)	nos.	1	22,794,200	325,300	16,399,700	22,794,200	325,300	16,399,700	39,519,200
R-P1-Bq-281	G.3.7	Furnishing Stop Log (H=2.6m x W=1.2m)	nos.	1	3,201,200	19,300	2,178,000	3,201,200	19,300	2,178,000	5,398,500
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	L.S.	1	738,927,600	2,918,000	458,445,600	738,927,600	2,918,000	458,445,600	1,200,291,200
R-P1-Bq-285	H.1.2	Clearing and Grubbing	m ²	610	4,040	90	2,850	2,464,400	54,900	1,738,500	4,257,800
R-P1-Bq-286	H.2	Approach Steps, Type-W.A (18 places)									
R-P1-Bq-287	H.2.1	Structural Excavation	m ³	230	19,700	400	15,360	4,531,000	92,000	3,532,800	8,155,800
R-P1-Bq-288	H.2.2	Backfill with Selected Soil	m ³	90	12,720	770	20,480	1,144,800	69,300	1,843,200	3,057,300
R-P1-Bq-289	H.2.3	Wet Stone Masonry	m ³	90	46,070	28,800	200,020	4,146,300	2,592,000	18,001,800	24,740,100
R-P1-Bq-290	H.2.4	Gravel Bedding	m ³	51	6,920	1,360	32,990	352,920	69,360	1,682,490	2,104,770
R-P1-Bq-291	H.2.5	Cement Mortar Plastering	m ²	131	2,380	1,200	10,600	311,780	157,200	1,388,600	1,857,580
R-P1-Bq-292	H.2.6	Cement Mortar Pointing on Riverside Surface of Wet Stone Masonry	m ²	89	2,000	1,010	8,900	178,000	89,890	792,100	1,059,990
R-P1-Bq-293	H.2.7	Joint Filler, 10mm thick (Elastic Material)	m ²	152	6,750	9,260	24,250	1,026,000	1,407,520	3,686,000	6,119,520
R-P1-Bq-294	H.2.8	Drilling, Anchoring Steel Bars in Existing Floodwall and Filling the Hole with Non-shrinkage Mortar	nos.	278	2,600	2,010	10,880	722,800	558,780	3,024,640	4,306,220
R-P1-Bq-295	H.2.9	Concrete Type D including Formwork	m ³	19	102,540	43,070	317,440	1,948,260	818,330	6,031,360	8,797,950
R-P1-Bq-296	H.2.10	Concrete Type C1 including Formwork	m ³	31	112,470	44,160	365,370	3,486,570	1,368,960	11,326,470	16,182,000
R-P1-Bq-297	H.2.11	Deformed Reinforcing Bar for Item H.2.10	kg	2,020	1,230	2,809	3,300	2,484,398	5,673,978	6,666,202	14,824,578
R-P1-Bq-298	H.3	Approach Steps, Type-W.B (6 places)									
R-P1-Bq-299	H.3.1	Structural Excavation	m ³	150	19,700	400	15,360	2,955,000	60,000	2,304,000	5,319,000
R-P1-Bq-300	H.3.2	Backfill with Selected Soil	m ³	20	12,720	770	20,480	254,400	15,400	409,600	679,400
R-P1-Bq-301	H.3.3	Furnishing and Driving Log Pile, Dia. 150mm, L=2.0m	m	38	35,750	370	31,360	1,358,500	14,060	1,191,680	2,564,240
R-P1-Bq-302	H.3.4	Gravel Bedding	m ³	26	6,920	1,360	32,990	179,920	35,360	857,740	1,073,020
R-P1-Bq-303	H.3.5	Rubble Stone Filling	m ³	19	15,070	2,320	49,320	286,330	44,080	937,080	1,267,490
R-P1-Bq-304	H.3.6	Concrete, Type C1 including Formwork	m ³	19	112,470	44,160	365,370	2,136,930	839,040	6,942,030	9,918,000

Table 5.2.1 (8/9) PAYMENT ITEMS AND THE COSTS FOR PACKAGE-1

ID No.	Item No.	BQ Item	Unit	Quantity	Unit Cost (rupiah)			Initial Cost (rupiah)			
					PF/C	IF/C	L/C	PF/C	IF/C	L/C	Total
R-P1-Bq-305	H.3.7	Concrete, Type D including Formwork	m ³	16	102,540	43,070	317,440	1,640,640	689,120	5,079,040	7,408,800
R-P1-Bq-306	H.3.8	Deformed Reinforcing Bars for Item H.3.6 and H.3.7	kg	1,230	1,230	2,809	3,300	1,512,777	3,454,947	4,059,123	9,026,847
R-P1-Bq-307	H.3.9	Gabion Cylinder Dia. 500mm (Galvanized and PVC Coated)	m ³	38	533,280	3,820	171,320	20,264,640	145,160	6,510,160	26,919,960
R-P1-Bq-308	H.3.10	Joint Filler, 10mm thick (Elastic Material)	m ²	21	6,750	9,260	24,250	141,750	194,460	509,250	845,460
R-P1-Bq-309	H.3.11	Soil Filling	m ³	20	8,860	140	7,820	177,200	2,800	156,400	336,400
R-P1-Bq-310	H.4	Approach Steps, Type-G.A (7 places)									
R-P1-Bq-311	H.4.1	Structural Excavation	m ³	150	19,700	400	15,360	2,955,000	60,000	2,304,000	5,319,000
R-P1-Bq-312	H.4.2	Backfill with Selected Soil	m ³	40	12,720	770	20,480	508,800	30,800	819,200	1,358,800
R-P1-Bq-313	H.4.3	Gravel Bedding	m ³	34	6,920	1,360	32,990	235,280	46,240	1,121,660	1,403,180
R-P1-Bq-314	H.4.4	Concrete, Type C1 including Formwork	m ³	37	112,470	44,160	365,370	4,161,390	1,633,920	13,518,690	19,314,000
R-P1-Bq-315	H.4.5	Concrete, Type D including Formwork	m ³	18	102,540	43,070	317,440	1,845,720	775,260	5,713,920	8,334,900
R-P1-Bq-316	H.4.6	Deformed Reinforcing Bars for Item H.4.4 and H.4.5	kg	1,430	1,230	2,809	3,300	1,758,757	4,016,727	4,719,143	10,494,627
R-P1-Bq-317	H.4.7	Gabion Cylinder Dia. 500mm (Galvanized and Coated with PVC)	m ³	42	533,280	3,820	171,320	22,397,760	160,440	7,195,440	29,753,640
R-P1-Bq-318	H.4.8	Joint Filler, 10mm thick (Elastic Material)	m ²	71	6,750	9,260	24,250	479,250	657,460	1,721,750	2,858,460
R-P1-Bq-319	H.4.9	Soil Filling	m ³	20	8,860	140	7,820	177,200	2,800	156,400	336,400
R-P1-Bq-320	H.5	Approach Steps, Type-G.B (9 places)									
R-P1-Bq-321	H.5.1	Structural Excavation	m ³	400	19,700	400	15,360	7,880,000	160,000	6,144,000	14,184,000
R-P1-Bq-322	H.5.2	Backfill with Selected Soil	m ³	60	12,720	770	20,480	763,200	46,200	1,228,800	2,038,200
R-P1-Bq-323	H.5.3	Furnishing and Driving Log Pile, Dia. 150mm, L=2.0m	m	13	35,750	370	31,360	464,750	4,810	407,680	877,240
R-P1-Bq-324	H.5.4	Gravel Bedding	m ³	213	6,920	1,360	32,990	1,473,960	289,680	7,026,870	8,790,510
R-P1-Bq-325	H.5.5	Concrete, Type C1 including Formwork	m ³	40	112,470	44,160	365,370	4,498,800	1,766,400	14,614,800	20,880,000
R-P1-Bq-326	H.5.6	Concrete, Type D including Formwork	m ³	78	102,540	43,070	317,440	7,998,120	3,359,460	24,760,320	36,117,900
R-P1-Bq-327	H.5.7	Deformed Reinforcing Bars for Item H.5.5 and H.5.6	kg	4,550	1,230	2,809	3,300	5,596,045	12,780,495	15,015,455	33,391,995
R-P1-Bq-328	H.5.8	Gabion Cylinder Dia. 500mm (Galvanized and Coated with PVC)	m ³	160	533,280	3,820	171,320	85,324,800	611,200	27,411,200	113,347,200
R-P1-Bq-329	H.5.9	Soil Filling	m ³	50	8,860	140	7,820	443,000	7,000	391,000	841,000
R-P1-Bq-330	H.5.10	Joint Filler, 10mm thick (Elastic Material)	m ³	75	6,750	9,260	24,250	506,250	694,500	1,818,750	3,019,500
R-P1-Bq-331	H.5.11	Gabion Mattress t=500mm (Galvanized) on Riverbed	m ³	50	659,260	3,060	142,060	32,963,000	153,000	7,103,000	40,219,000
R-P1-Bq-332	H.5.12	Rubble Stone Filling	m ³	18	15,070	2,320	49,320	271,260	41,760	887,760	1,200,780
R-P1-Bq-333	H.6	Mooring Facilities									
R-P1-Bq-334	H.6.1	Structural Excavation	m ³	1,780	19,700	400	15,360	35,066,000	712,000	27,340,800	63,118,800
R-P1-Bq-335	H.6.2	Backfill with Selected Soil	m ³	40	12,720	770	20,480	508,800	30,800	819,200	1,358,800
R-P1-Bq-336	H.6.3	Furnishing and Driving PC Sheet Pile (K-500, t=220mm, w=500mm)	m	816	247,670	100	30,940	202,098,720	81,600	25,247,040	227,427,360
R-P1-Bq-337	H.6.4	Gravel Bedding	m ³	61	6,920	1,360	32,990	422,120	82,960	2,012,390	2,517,470
R-P1-Bq-338	H.6.5	Rubble Stone Bedding	m ³	201	13,760	2,790	65,520	2,765,760	560,790	13,169,520	16,496,070
R-P1-Bq-339	H.6.6	Stone Facing (Dia.250 to 400mm)	m ³	298	20,310	2,420	75,230	6,052,380	721,160	22,418,540	29,192,080
R-P1-Bq-340	H.6.7	Concrete, Type C1 including Formwork	m ³	26	112,470	44,160	365,370	2,924,220	1,148,160	9,499,620	13,572,000
R-P1-Bq-341	H.6.8	Concrete, Type D including Formwork	m ³	94	102,540	43,070	317,440	9,638,760	4,048,580	29,839,360	43,526,700
R-P1-Bq-342	H.6.9	Deformed Reinforcing Bars for Item H.6.7 and H.6.8	kg	2,150	1,230	2,809	3,300	2,644,285	6,039,135	7,095,215	15,778,635
R-P1-Bq-343	H.6.10	Joint Filler, 10mm thick (Elastic Material)	m ²	16	6,750	9,260	24,250	108,000	148,160	388,000	644,160
R-P1-Bq-344	H.6.11	Gabion Mattress t=500mm (Galvanized) on Riverbed	m ³	48	659,260	3,060	142,060	31,644,480	146,880	6,818,880	38,610,240
R-P1-Bq-345	H.6.12	Rubble Stone Filling	m ³	7	15,070	2,320	49,320	105,490	16,240	345,240	466,970
R-P1-Bq-346	H.6.13	Furnishing and Driving Log Pile, Dia. 150mm, L=2.0m	m	31	35,750	370	31,360	1,108,250	11,470	972,160	2,091,880
R-P1-Bq-347	H.7	Walkway along Riverbank (3.0m wide)									
R-P1-Bq-348	H.7.1	Structural Excavation	m ³	12,230	19,700	400	15,360	240,931,000	4,892,000	187,852,800	433,675,800
R-P1-Bq-349	H.7.2	Embankment	m ³	1,230	26,300	1,210	38,300	32,349,000	1,488,300	47,109,000	80,946,300

Table 5.2.1 (9/9) PAYMENT ITEMS AND THE COSTS FOR PACKAGE--1

ID No.	Item No.	BQ Item	Unit	Quantity	Unit Cost (rupiah)			Initial Cost (rupiah)			
					PF/C	IF/C	L/C	PF/C	IF/C	L/C	Total
R-P1-Bq-350	H.7.3	Gravel Pavement, 200mm thick	m ²	55,858	4,850	700	17,280	270,911,300	39,100,600	965,226,240	1,275,238,140
R-P1-Bq-351	H.7.4	Penetration Macadam Pavement 200mm thick	m ²	5,271	12,550	8,680	41,430	66,151,050	45,752,280	218,377,530	330,280,860
R-P1-Bq-352	H.7.5	Solid Sodding	m ²	76,840	1,230	0	6,070	94,513,200	0	466,418,800	560,932,000
R-P1-Bq-353	H.8	Approach Road for Maintenance (4.0m wide)									
R-P1-Bq-354	H.8.1	Structural Excavation	m ³	660	19,700	400	15,360	13,002,000	264,000	10,137,600	23,403,600
R-P1-Bq-355	H.8.2	Embankment	m ³	270	26,300	1,210	38,300	7,101,000	326,700	10,341,000	17,768,700
R-P1-Bq-356	H.8.3	Penetration Macadam Pavement 200mm thick	m ²	132	12,550	8,680	41,430	1,656,600	1,145,760	5,468,760	8,271,120
R-P1-Bq-357	H.8.4	Solid Sodding	m ²	220	1,230	0	6,070	270,600	0	1,335,400	1,606,000
R-P1-Bq-358	H.9	Tree Planting and Relocation of Existing Tree									
R-P1-Bq-359	H.9.1	Tree Planting (Angsana, Goldogan, Flamboyant)	nos.	630	27,662	150	137,241	17,426,912	94,500	86,461,941	103,983,353
R-P1-Bq-360	H.9.2	Relocation of Existing Trees (Rare species such as Trembesi, Flamboyant, Dadap and Pines)	nos.	32	50,950	380	252,670	1,630,400	12,160	8,085,440	9,728,000
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	L.S.	1	10,994,700	313,500	6,794,300	10,994,700	313,500	6,794,300	18,102,500
R-P1-Bq-364	I.1.2	Clearing and Grubbing	m ²	330	4,040	90	2,850	1,333,200	29,700	940,500	2,303,400
R-P1-Bq-365	I.2	Well Type Water Level Gauging Station									
R-P1-Bq-366	I.2.1	Structural Excavation	m ³	2,050	19,700	400	15,360	40,385,000	820,000	31,488,000	72,693,000
R-P1-Bq-367	I.2.2	Backfill with Selected Soil	m ³	1,960	12,720	770	20,480	24,931,200	1,509,200	40,140,800	66,581,200
R-P1-Bq-368	I.2.3	Gravel Bedding	m ³	1	6,920	1,360	32,990	6,920	1,360	32,990	41,270
R-P1-Bq-369	I.2.4	Concrete, Type E including Formwork	m ³	2	78,580	37,610	211,460	157,160	75,220	422,920	655,300
R-P1-Bq-370	I.2.5	Concrete, Type C1 including Formwork	m ³	29	375,740	42,910	603,970	10,896,460	1,244,390	17,515,130	29,655,980
R-P1-Bq-371	I.2.6	Concrete Type D including Formwork	m ³	1	102,540	43,070	317,440	102,540	43,070	317,440	463,050
R-P1-Bq-372	I.2.7	Deformed Reinforcing Bars including Anchor bars for Gauging House	kg	1,660	1,402	2,810	3,418	2,327,154	4,664,268	5,673,216	12,664,638
R-P1-Bq-373	I.2.8	Furnishing and Placing Concrete Pipe, Dia.600mm, L=10.2m	m	14	60,990	9,830	68,180	853,860	137,620	954,520	1,946,000
R-P1-Bq-374	I.2.9	Furnishing and Placing Concrete Pipe, Dia.300mm, L=6.6m	m	8	60,990	9,830	68,180	487,920	78,640	545,440	1,112,000
R-P1-Bq-375	I.2.10	Gabion Mattress t=500mm (Galvanized)	m ³	43	664,580	3,120	145,960	28,576,940	134,160	6,276,280	34,987,380
R-P1-Bq-376	I.2.11	Rubble Stone Filling	m ³	1	15,070	2,320	49,320	15,070	2,320	49,320	66,710
R-P1-Bq-377	I.2.12	Steel Maintenance Steps (with Anti-corrosion Painting)	kg	280	1,352	411	4,991	378,560	115,080	1,397,480	1,891,120
R-P1-Bq-378	I.2.13	Steel Hand Rail (with Anti-corrosion Painting)	kg	80	2,049	481	4,231	163,920	38,480	338,480	540,880
R-P1-Bq-379	I.2.14	Steel Ladder (with Anti-corrosion Painting)	kg	90	2,049	481	4,231	184,410	43,290	380,790	608,490
R-P1-Bq-380	I.2.15	Gauging House (including Reinforced Concrete, Hollow Concrete Block, Plastering, Roofing, Steel Door)	L.S.	1	6,211,300	1,726,600	8,554,200	6,211,300	1,726,600	8,554,200	16,492,100
R-P1-Bq-381	I.2.16	Installation of Water Level Gage and Related Apparatus and Calibration	L.S.	1	1,108,800	22,700	1,003,500	1,108,800	22,700	1,003,500	2,135,000
R-P1-Bq-382	I.2.17	Setting Bench Mark	L.S.	1	2,700	400	13,000	2,700	400	13,000	16,100
R-P1-Bq-383	J	Supplying Maintenance Equipment									
R-P1-Bq-384	J.1										
R-P1-Bq-385	J.1.1	Backhoe, 0.35m3	nos.	1							
R-P1-Bq-386	J.1.2	Truck, 8t	nos.	1							
R-P1-Bq-387	J.1.3	Bulldozer, 11t	nos.	1							
R-P1-Bq-388	J.1.4	Patrol Car, 4WD	nos.	1							
R-P1-Bq-389	J.1.5	Outboard Motor Boat	nos.	1	2,092,010,900	0	91,482,400	2,092,010,900	0	91,482,400	2,183,493,300
		Total						52,578,500,088	3,343,019,063	47,599,862,522	103,521,381,672

Table 5.2.2 (1/7) 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-1	A	General									
R-P2-Bq-2	A.1	Mobilization and Demobilization	L.S.	1	82761900	1534900	58684700	82,761,900	1,534,900	58,684,700	142,981,500
R-P2-Bq-3	A.2	Establishment									
R-P2-Bq-4	A.2.1	Temporary Construction Road and Bridge	L.S.	1	78,047,000	7,877,100	187,920,700	78,047,000	7,877,100	187,920,700	273,844,800
R-P2-Bq-5	A.2.2	Contractor's Site Office and Facilities	L.S.	1	235,558,900	61,204,000	743,609,500	235,558,900	61,204,000	743,609,500	1,040,372,400
R-P2-Bq-6	A.2.3	Engineer's Site Office and Facilities	L.S.	1	19,373,100	5,033,600	61,156,700	19,373,100	5,033,600	61,156,700	85,563,400
R-P2-Bq-7	A.3	Drawings	L.S.	1	12,218,200	600,000	48,630,600	12,218,200	600,000	48,630,600	61,448,800
R-P2-Bq-8	A.4	Surveying	L.S.	1	335400	0	1665900	335,400	0	1,665,900	2,001,300
R-P2-Bq-9	A.5	Geological Investigation									
R-P2-Bq-10	A.5.1	Auger Boring	m	13	31,800	0	157,950	413,400	0	2,053,350	2,466,750
R-P2-Bq-11	A.5.2	Rotary Boring	m	105	63,600	0	315,900	6,678,000	0	33,169,500	39,847,500
R-P2-Bq-12	B	Preparatory and Temporary Works									
R-P2-Bq-13	B.1	Clearing and Grubbing	m ²	11,800	4,040	90	2,850	47,672,000	1,062,000	33,630,000	82,364,000
R-P2-Bq-14	B.2	Demolition and Removal of Existing Weir, Intake Structures and Others	m ³	5,481	168,998	45,332	294,554	926,278,038	248,464,692	1,614,450,474	2,789,193,204
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 Chanel, Channel Diversion for Drainage on Left Bank, Erath Retaining Wall and Others)	L.S.	1	593,174,700	6,716,400	348,133,800	593,174,700	6,716,400	348,133,800	948,024,900
R-P2-Bq-16	B.4	Coffering and Dewatering for Construction of Revetment in upstream and downstream channels	L.S.	1	1,617,711,600	4,107,900	957,283,800	1,617,711,600	4,107,900	957,283,800	2,579,103,300
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)	m ³	34,780	16,770	390	11,420	583,260,600	13,564,200	397,187,600	994,012,400
R-P2-Bq-20	C.1.2	Excavation above Water Level (Low water level shown on the cross sections)	m ³	7,770	15,410	370	10,610	119,735,700	2,874,900	82,439,700	205,050,300
R-P2-Bq-21	C.2	Weir and Intake Structures						0	0	0	
R-P2-Bq-22	C.2.1	Structural Excavation	m ³	24,210	19,980	390	15,680	483,715,800	9,441,900	379,612,800	872,770,500
R-P2-Bq-23	C.2.2	Soft Rock Excavation	m ³	550	43,530	910	28,170	23,941,500	500,500	15,493,500	39,935,500
R-P2-Bq-24	C.2.3	Earthfill on Riverbed with Selected Soil	m ³	3,070	16,590	1,720	37,510	50,931,300	5,280,400	115,155,700	171,367,400
R-P2-Bq-25	C.2.4	Backfill with Selected Soil	m ³	12,190	12,720	770	20,480	155,056,800	9,386,300	249,651,200	414,094,300
R-P2-Bq-26	C.2.5	Embankment for Dike	m ³	340	26,300	1,210	38,300	8,942,000	411,400	13,022,000	22,375,400
R-P2-Bq-27	C.2.6	Solid Sodding	m ²	650	1,230	0	6,070	799,500	0	3,945,500	4,745,000
R-P2-Bq-28	C.3	Approach Road and Bridge									
R-P2-Bq-29	C.3.1	Structural Excavation	m ³	220	19,700	400	15,360	4,334,000	88,000	3,379,200	7,801,200
R-P2-Bq-30	C.3.2	Backfill Gravel	m ³	30	18,580	4,060	88,210	557,400	121,800	2,646,300	3,325,500
R-P2-Bq-31	C.3.3	Backfill with Selected Soil	m ³	40	12,720	770	20,480	508,800	30,800	819,200	1,358,800
R-P2-Bq-32	C.3.4	Embankment for Road	m ³	220	26,300	1,210	38,300	5,786,000	266,200	8,426,000	14,478,200
R-P2-Bq-33	C.3.5	Gravel Bedding	m ³	20	6,920	1,360	32,990	138,400	27,200	659,800	825,400
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	m	119	359,120	290	111,830	42,735,280	34,510	13,307,770	56,077,560
R-P2-Bq-37	D.1.2	Furnishing and Driving PC Piles, Dia. 600mm Type-A	m	4,964	320,690	260	72,950	1,591,905,160	1,290,640	362,123,800	1,955,319,600
R-P2-Bq-38	D.1.3	PC Pile for Test Piling, Dia. 450 mm Type-A	m	44	266,570	250	97,470	11,729,080	11,000	4,288,680	16,028,760
R-P2-Bq-39	D.1.4	Furnishing and Driving PC Piles, Dia. 450mm Type-A	m	2,225	236,550	230	59,900	526,323,750	511,750	133,277,500	660,113,000
R-P2-Bq-40	D.1.5	PC Pile for Test Piling, Dia. 400 mm Type-A	m	24	252,660	250	91,130	6,063,840	6,000	2,187,120	8,256,960
R-P2-Bq-41	D.1.6	Furnishing and Driving PC Piles, Dia. 400mm Type-A	m	737	223,910	230	54,130	165,021,670	169,510	39,893,810	205,084,990
R-P2-Bq-42	D.1.7	Concrete Filling in Pile Holes, Concrete Type D	m ³	22	85,590	44,240	236,890	1,882,980	973,280	5,211,580	8,067,840
R-P2-Bq-43	D.1.8	Cutting Pile Head	m ³	135	78,390	0	38,090	10,582,650	0	5,142,150	15,724,800

Table 5.2.2 (2/7) 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-44	D.1.9	Furnishing and Driving Steel Sheet Pile, Type II	m	3,161	348,510	80	39,230	1,101,640,110	252,880	124,006,030	1,225,899,020
R-P2-Bq-45	D.1.10	Furnishing and Driving PC Sheet Pile (Prestressed Concrete K-500, t=220mm, w=500mm)	m	3,866	247,670	100	30,940	957,492,220	386,600	119,614,040	1,077,492,860
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	m	36	359,120	290	111,830	12,928,320	10,440	4,025,880	16,964,640
R-P2-Bq-48	D.2.2	Furnishing and Driving PC Piles, Dia. 600mm Type-A	m	668	320,690	260	72,950	214,220,920	173,680	48,730,600	263,125,200
R-P2-Bq-49	D.2.3	PC Pile for Test Piling, Dia. 350 mm Type-A	m	29	211,310	240	85,590	6,127,990	6,960	2,482,110	8,617,060
R-P2-Bq-50	D.2.4	Furnishing and Driving PC Piles, Dia. 350mm Type-A	m	1,005	186,320	210	49,090	187,251,600	211,050	49,335,450	236,798,100
R-P2-Bq-51	D.2.5	Furnishing and Driving Steel Sheet Pile, Type II	m	1,249	348,510	80	39,230	435,288,990	99,920	48,998,270	484,387,180
R-P2-Bq-52	D.2.6	Furnishing and Driving Concrete Sheet Pile (Prestressed Concrete K-500, t=220mm, w=500mm)	m	133	247,670	100	30,940	32,940,110	13,300	4,115,020	37,068,430
R-P2-Bq-53	D.2.7	Cutting Pile Head	m ³	18	78,390	0	38,090	1,411,020	0	685,620	2,096,640
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	m	16	362,490	580	151,790	5,799,840	9,280	2,428,640	8,237,760
R-P2-Bq-56	D.3.2	Furnishing and Driving PC Piles, Dia. 500mm Type-A	m	109	323,760	530	109,270	35,289,840	57,770	11,910,430	47,258,040
R-P2-Bq-57	D.3.3	Cutting Pile Head	m ³	3	78,390	0	38,090	235,170	0	114,270	349,440
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	m ³	700	78,580	37,610	211,460	55,006,000	26,327,000	148,022,000	229,355,000
R-P2-Bq-61	E.1.2	Concrete Type B including Formwork for Gate Floor Slab, Pier Footing and Apron	m ³	6,290	113,590	44,330	258,210	714,481,100	278,835,700	1,624,140,900	2,617,457,700
R-P2-Bq-62	E.1.3	Deformed Reinforcing Bar for Item E.1.2	kg	197,490	1,402	2,810	3,418	276,861,231	554,907,402	674,941,824	1,506,710,457
R-P2-Bq-63	E.1.4	Concrete Type B including Scaffolding and Formwork for Gate Piers, Operation Decks and Approach Walls	m ³	3,290	203,440	44,560	364,130	669,317,600	146,602,400	1,197,987,700	2,013,907,700
R-P2-Bq-64	E.1.5	Deformed Reinforcing Bar for Item E.1.4	kg	161,420	1,402	2,810	3,418	226,294,698	453,557,916	551,668,992	1,231,521,606
R-P2-Bq-65	E.1.6	Concrete Type D including Formwork for Riverbed Partition	m ³	260	102,540	43,070	317,440	26,660,400	11,198,200	82,534,400	120,393,000
R-P2-Bq-66	E.1.7	Concrete Type D including Formwork for Steps in Gate Pier	m ³	10	102,540	43,070	317,440	1,025,400	430,700	3,174,400	4,630,500
R-P2-Bq-67	E.1.8	Concrete Type B including Formwork for Pile Head Treatment Work	m ³	120	112,930	47,610	273,930	13,551,600	5,713,200	32,871,600	52,136,400
R-P2-Bq-68	E.1.9	Deformed Reinforcing Bar for Item E.1.8	kg	24,540	1,230	2,809	3,300	30,181,746	68,930,406	80,984,454	180,096,606
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	m ³	150	110,850	46,340	355,990	16,627,500	6,951,000	53,398,500	76,977,000
R-P2-Bq-70	E.1.11	Steel Anchor Bars for Item E.1.10	kg	2,250	1,230	2,809	3,300	2,767,275	6,320,025	7,425,225	16,512,525
R-P2-Bq-71	E.1.12	Precast Concrete Blocks and their Installation (Cross-shape Block with Anchor Bars, 2t/piece)	nos.	1,424	209,366	94,760	351,428	298,136,472	134,938,810	500,433,187	933,508,469
R-P2-Bq-72	E.1.13	Joint Filler 10mm thick (Elastic Material)	m ²	1,237	6,750	9,260	24,250	8,349,750	11,454,620	29,997,250	49,801,620
R-P2-Bq-73	E.1.14	Water Stop, 300mm wide	m	675	98,951	0	9,367	66,791,925	0	6,322,725	73,114,650
R-P2-Bq-74	E.1.15	Dowel Bar, Dia.19mm 1.0m long (Round Bar and PVC Pipe)	kg	5,590	3,370	5,710	11,010	18,838,300	31,918,900	61,545,900	112,303,100
R-P2-Bq-75	E.1.16	Steel Anchor Bars for Maintenance Step and Control House Erection	kg	390	1,230	2,809	3,300	479,661	1,095,471	1,287,039	2,862,171
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	m ³	88	78,580	37,610	211,460	6,915,040	3,309,680	18,608,480	28,833,200
R-P2-Bq-78	E.2.2	Concrete Type B including Scaffolding and Form	m ³	1,156	203,440	44,560	364,130	235,176,640	51,511,360	420,934,280	707,622,280
R-P2-Bq-79	E.2.3	Deformed Reinforcing Bar for Item E.2.2	kg	78,290	1,402	2,810	3,418	109,754,751	219,979,242	267,563,904	597,297,897
R-P2-Bq-80	E.2.4	Concrete Type B including Formwork for Pile Head Treatment Work	m ³	12	112,930	47,610	273,930	1,355,160	571,320	3,287,160	5,213,640
R-P2-Bq-81	E.2.5	Deformed Reinforcing Bar for Item E.2.4	kg	4,190	1,230	2,809	3,300	5,153,281	11,769,291	13,827,419	30,749,991
R-P2-Bq-82	E.2.6	Concrete Type-C2 for Blockout in Gate Pier	m ³	11	110,850	46,340	355,990	1,219,350	509,740	3,915,890	5,644,980
R-P2-Bq-83	E.2.7	Anchor Bars for Item E.2.6	kg	420	1,230	2,809	3,300	516,558	1,179,738	1,386,042	3,082,338

Table 5.2.2 (3/7) 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-84	E.2.8	Concrete Type D for Concrete Lining on Channel Bed and Leaning Wall	m ³	14	102,540	43,070	317,440	1,435,560	602,980	4,444,160	6,482,700
R-P2-Bq-85	E.2.9	Joint Filler, 10mm thick (Elastic Material)	m ²	63	6,750	9,260	24,250	425,250	583,380	1,527,750	2,536,380
R-P2-Bq-86	E.2.10	Water Stop, 300mm wide	m	29	98,951	0	9,367	2,869,579	0	271,643	3,141,222
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)	nos.	12	14,565,200	4,574,300	26,538,400	174,782,400	54,891,600	318,460,800	548,134,800
R-P2-Bq-89	E.3.2	Precast Prestressed Concrete Diaphragm including Reinforcing Bars, Tensioning and Erection (Concrete Type A2, PC Cable)	nos.	12	167,600	56,800	337,400	2,011,200	681,600	4,048,800	6,741,600
R-P2-Bq-90	E.3.3	Concrete Type B including Scaffolding and Form for Slab and Beam for RC Girder	m ³	190	486,460	45,220	730,930	92,427,400	8,591,800	138,876,700	239,895,900
R-P2-Bq-91	E.3.4	Deformed Reinforcing Bars for Items E.3.3	kg	31,710	1,402	2,810	3,418	44,454,249	89,098,758	108,372,096	241,925,103
R-P2-Bq-92	E.3.5	Elastomeric Bearing Pad (350x280x73)	nos.	24	511,000	602,000	1,011,500	12,264,000	14,448,000	24,276,000	50,988,000
R-P2-Bq-93	E.3.6	Elastomeric Bearing Pad (310x210x24)	nos.	24	320,200	152,000	513,800	7,684,800	3,648,000	12,331,200	23,664,000
R-P2-Bq-94	E.3.7	Rubber Sheet (200x200x30)	nos.	24	103,540	231,000	283,280	2,484,960	5,544,000	6,798,720	14,827,680
R-P2-Bq-95	E.3.8	Drain Pipe, PVC Pipe, Dia.100	m	322	13,110	17,250	47,850	4,221,420	5,554,500	15,407,700	25,183,620
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	m ³	16	78,580	37,610	211,460	1,257,280	601,760	3,383,360	5,242,400
R-P2-Bq-98	E.4.2	Concrete Type B including Scaffolding and Form for Abutments	m ³	128	203,440	44,560	364,130	26,040,320	5,703,680	46,608,640	78,352,640
R-P2-Bq-99	E.4.3	Deformed Reinforcing Bars for Items E.4.2	kg	8,480	1,402	2,810	3,418	11,888,112	23,827,104	28,981,248	64,696,464
R-P2-Bq-100	E.4.4	Beam	m ³	78	343,080	44,970	673,520	26,760,240	3,507,660	52,534,560	82,802,460
R-P2-Bq-101	E.4.5	Deformed Reinforcing Bars for Items E.4.4	kg	15,720	1,402	2,810	3,418	22,037,868	44,170,056	53,724,672	119,932,596
R-P2-Bq-102	E.4.6	Concrete Type B including Form for Retaining Wall	m ³	62	140,390	44,330	390,380	8,704,180	2,748,460	24,203,560	35,656,200
R-P2-Bq-103	E.4.7	Deformed Reinforcing Bars for Items E.4.6	kg	4,990	1,402	2,810	3,418	6,995,481	14,020,902	17,053,824	38,070,207
R-P2-Bq-104	E.4.8	Concrete Type D including Form Work	m ³	4	268,520	41,210	1,025,360	1,074,080	164,840	4,101,440	5,340,360
R-P2-Bq-105	E.4.9	Elastomeric Bearing Pad (310x210x24)	nos.	24	320,200	152,000	513,800	7,684,800	3,648,000	12,331,200	23,664,000
R-P2-Bq-106	E.4.10	Drain Pipe, PVC Pipe, Dia. 100	m	105	3,920	4,240	15,210	411,600	445,200	1,597,050	2,453,850
R-P2-Bq-107	E.4.11	Joint Filler, 10mm thick (Elastic Material)	m ²	8	6,750	9,260	24,250	54,000	74,080	194,000	322,080
R-P2-Bq-108	E.4.12	Weep Hole, Dia.50mm including Filter Cloth	nos.	24	3,147	909	14,500	75,524	21,818	348,000	445,343
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	m ²	6	3,690	0	18,310	22,140	0	109,860	132,000
R-P2-Bq-111	E.5.2	Leveling Concrete, Type-E including Formwork	m ³	9	78,580	37,610	211,460	707,220	338,490	1,903,140	2,948,850
R-P2-Bq-112	E.5.3	Concrete Type-C1 including Formwork and Scaffolding	m ³	62	375,740	42,910	603,970	23,295,880	2,660,420	37,446,140	63,402,440
R-P2-Bq-113	E.5.4	Deformed Reinforcing Bars for E.5.3	kg	2,840	1,402	2,810	3,418	3,981,396	7,979,832	9,705,984	21,667,212
R-P2-Bq-114	E.5.5	Water Stop, 200mm wide	m	23	98,951	0	9,367	2,275,873	0	215,441	2,491,314
R-P2-Bq-115	E.5.6	Joint Filler, 10mm thick (Elastic Material)	m ²	3	6,750	9,260	24,250	20,250	27,780	72,750	120,780
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	m ³	1,960	46,070	28,800	200,020	90,297,200	56,448,000	392,039,200	538,784,400
R-P2-Bq-119	F.1.2	Wet Stone Masonry for Earth Retaining Type Wall in Downstream Channel	m ³	950	46,070	28,800	200,020	43,766,500	27,360,000	190,019,000	261,145,500
R-P2-Bq-120	F.1.3	Wet Stone Masonry for Leaning Wall for Connecting Channel of Semarang River and Left Irrigation Channel	m ³	360	46,070	28,800	200,020	16,585,200	10,368,000	72,007,200	98,960,400
R-P2-Bq-121	F.1.4	Weep Hole, Dia.50mm including Filter Cloth	nos.	340	3,147	909	14,500	1,069,930	309,091	4,930,000	6,309,021
R-P2-Bq-122	F.1.5	Cement Mortar Pointing on Riverside Surface of Wet Stone Masonry	m ²	7,530	2,000	1,010	8,900	15,060,000	7,605,300	67,017,000	89,682,300
R-P2-Bq-123	F.1.6	Furnishing and Driving Log Pile, Dia. 150mm, L=2.0m	m	95	35,750	370	31,360	3,396,250	35,150	2,979,200	6,410,600
R-P2-Bq-124	F.2	Stone									
R-P2-Bq-125	F.2.1	Gravel Bedding	m ³	2,567	6,920	1,360	32,990	17,763,640	3,491,120	84,685,330	105,940,090

Table 5.2.2 (4/7) 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-126	F.2.2	Backfill Gravel	m ³	196	18,580	4,060	88,210	3,641,680	795,760	17,289,160	21,726,600
R-P2-Bq-127	F.2.3	Rubble Stone Filling	m ³	1,341	15,070	2,320	49,320	20,208,870	3,111,120	66,138,120	89,458,110
R-P2-Bq-128	F.2.4	Gabion Mattress, 3.0m x 1.5m x 0.5m (Galvanized and PVC Coated)	m ³	2,162	307,880	3,060	110,910	665,636,560	6,615,720	239,787,420	912,039,700
R-P2-Bq-129	F.2.5	Gabion Mattress, 2.0m x 1.0m x 0.3m (Galvanized and PVC Coated)	m ³	25	469,200	3,080	127,230	11,730,000	77,000	3,180,750	14,987,750
R-P2-Bq-130	F.2.6	Geotextile Filter Cloth	m ²	3,218	14,290	30	3,800	45,985,220	96,540	12,228,400	58,310,160
R-P2-Bq-131	F.2.7	Palm Fiber	m ²	1,847	8,440	1,190	25,890	15,588,680	2,197,930	47,818,830	65,605,440
R-P2-Bq-132	F.2.8	Gabion Cylinder Dia.500mm (Galvanized and Coated with PVC)	m ³	15	533,280	3,820	171,320	7,999,200	57,300	2,569,800	10,626,300
R-P2-Bq-133	F.2.9	Soil Filling	m ³	10	8,860	140	7,820	88,600	1,400	78,200	168,200
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)	L.S.	1	6,413,808,000	110,039,300	1,642,433,400	6,413,808,000	110,039,300	1,642,433,400	8,166,280,700
R-P2-Bq-137	G.1.2	Furnishing and Installing Hoist, and Operating and Electrical Equipment for Flood Discharge Gate (3 gates)	L.S.	1	9,799,924,200	59,357,900	1,394,280,300	9,799,924,200	59,357,900	1,394,280,300	11,253,562,400
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)	L.S.	1	822,418,900	19,491,400	424,400,100	822,418,900	19,491,400	424,400,100	1,266,310,400
R-P2-Bq-139	G.1.4	Furnishing and Installing Hoist, and Operating and Electrical Equipment for Sediment Flush Gate (2 gates)	L.S.	1	2,039,501,900	31,869,300	380,086,000	2,039,501,900	31,869,300	380,086,000	2,451,457,200
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)	L.S.	1	335,961,500	7,822,300	121,955,400	335,961,500	7,822,300	121,955,400	465,739,200
R-P2-Bq-141	G.1.6	Furnishing and Installing Hoist, and Operating and Electrical Equipment for Right Intake Gate (4 gates)	L.S.	1	972,292,800	4,504,200	125,826,100	972,292,800	4,504,200	125,826,100	1,102,623,100
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)	L.S.	1	141,016,200	3,697,800	45,228,700	141,016,200	3,697,800	45,228,700	189,942,700
R-P2-Bq-143	G.1.8	Furnishing and Installing Hoist, and Operating and Electrical Equipment for Left Intake Gate (2 gates)	L.S.	1	480,033,700	2,205,500	59,337,900	480,033,700	2,205,500	59,337,900	541,577,100
R-P2-Bq-144	G.1.9	Furnishing Steel Temporary Gate(including Gate Panels and Posts)	L.S.	1	872,225,400	20,786,200	440,474,800	872,225,400	20,786,200	440,474,800	1,333,486,400
R-P2-Bq-145	G.1.10	Furnishing and Installing Steel Guide Frame for Flood Discharge	L.S.	1	12,576,218,000	23,505,400	851,562,000	12,576,218,000	23,505,400	851,562,000	13,451,285,400
R-P2-Bq-146	G.1.11	Furnishing and Installing Steel Guide Frame for Sediment Flush	L.S.	1	494,950,900	13,786,700	286,807,700	494,950,900	13,786,700	286,807,700	795,545,300
R-P2-Bq-147	G.1.12	Furnishing and Installing Steel Guide Frame for Right Intake Gate	L.S.	1	277,661,500	5,725,000	90,668,400	277,661,500	5,725,000	90,668,400	374,054,900
R-P2-Bq-148	G.1.13	Furnishing and Installing Steel Guide Frame for Left Intake Gate	L.S.	1	141,347,800	2,825,900	40,573,800	141,347,800	2,825,900	40,573,800	184,747,500
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)	ton	90	3,887,295	35,583	3,091,718	349,856,542	3,202,461	278,254,628	631,313,631
R-P2-Bq-150	G.2	Weir and Intake Structures									
R-P2-Bq-151	G.2.1	Steel Hand Rails (with Anti-corrosion Painting)	kg	340	2,049	481	4,231	696,660	163,540	1,438,540	2,298,740
R-P2-Bq-152	G.2.2	Steel Spiral Stairs (with Anti-corrosion Painting)	kg	4,750	4,608	531	5,988	21,888,000	2,522,250	28,443,000	52,853,250
R-P2-Bq-153	G.2.3	Steel Fence (with Anti-corrosion Painting)	m	160	100,400	23,550	207,300	16,064,000	3,768,000	33,168,000	53,000,000
R-P2-Bq-154	G.3	Road and Bridge									
R-P2-Bq-155	G.3.1	Furnishing and Installing Matal Hand Rails in Maintenance and Approach Bridges	m	220	112,600	51,517	237,550	24,772,000	11,333,667	52,261,000	88,366,667
R-P2-Bq-156	G.3.2	Expansion Joint, Steel Profile (75mm x 75mm x 6mm)	m	67	11,571	657	10,657	775,286	44,029	714,029	1,533,343
R-P2-Bq-157	G.3.3	Car Barrier	L.S.	2	871,670	34,080	1,164,280	1,743,340	68,160	2,328,560	4,140,060
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	ltr	322	5,143	7,277	18,265	1,655,917	2,343,033	5,881,233	9,880,184
R-P2-Bq-161	H.1.2	Bituminous Surface Course, 50mm thick	ton	105	95,771	36,739	165,326	10,055,955	3,857,595	17,359,230	31,272,780
R-P2-Bq-162	H.2	Pavement on Approach Road									
R-P2-Bq-163	H.2.1	Sub-Base Course (Class C)	m ³	90	35,010	4,370	97,420	3,150,900	393,300	8,767,800	12,312,000
R-P2-Bq-164	H.2.2	Base Course (Class A)	m ³	70	35,670	4,370	97,910	2,496,900	305,900	6,853,700	9,656,500
R-P2-Bq-165	H.2.3	Asphalt Treatment Base (A.T.B.) ont the Bridge	ton	46	86,416	34,062	153,876	3,975,145	1,566,829	7,078,313	12,620,287
R-P2-Bq-166	H.2.4	Bituminous Prime Coat	ltr	559	5,143	7,277	18,265	2,874,713	4,067,564	10,209,967	17,152,244