

# LAMPIRAN

# RAB

## CIKAMPEK PALIMANAN TOLL ROAD PACKAGE VIB

### SUMBER JAYA - PALIMANAN (STA 200+950 - 208+298)

1. Galian Tanah biasa
2. " " batu
3. Tanah timbunan (quarry ke lokasi)
4. sub base
5. Aggregate Base kelas A.

conf Data :

- Harga sat. daerah

Carbor :

- Satuan Upah Ting

- " Bahan

- " Pak

- " Alat

**CIKAMPEK PALIMANAN TOLL ROAD PACKAGE VIB  
SUMBER JAYA - PALIMANAN (STA 200+950 - 208+298)  
BILL OF QUANTITIES  
SUMMARY**

ITEM	DESCRIPTION	RAB BARU HARGA BARU VOL. BARU TOTAL (Rp)
a	b	d
1	General	9,988,421,700.00
2	Site Clearing	2,419,905,668.80
3	Demolition	154,787,500.00
4	Road Eartworks	117,298,729,722.00
5	Structure Excavation	2,697,426,468.00
6	Drainage	14,704,803,411.00
7	Subgrade	509,977,469.00
8	Subbase and Base Course	24,355,223,358.00
9	Pavements	101,243,900,242.00
10	Concrete Structures	168,166,094,727.00
11	Structural Steel Works	-
12	Miscellaneous	21,272,997,603.00
13	Utilities	-
14	Toll Gates and Facilities	-
15	Diversion and Protection of Existing UtL.	-
16	Toll Plaza Facilities	-
17	Branch Office and Supporting Buildings	-
<b>A. Sub Total</b>		<b>462,812,267,869.00</b>
<b>B. Tax (PPN) - 10% of Sub Total (A x 0.1)</b>		<b>46,281,226,786.90</b>
<b>C. TOTAL (A + B)</b>		<b>509,093,494,655.90</b>
<b>D. DIBULATKAN</b>		<b>509,093,495,000.00</b>

**PEKERJAAN SHOTCRETE  
STA. 201+800 - 202+275  
CIKAMPEK - PALIMANAN TOLL ROAD SECTION 6B**

NO	JENIS PEKERJAAN	SATUAN	VOLUME	HARGA SATUAN	JUMLAH
<b>I</b>	<b>PEKERJAAN PERSIAPAN</b>				
1	Mobilisasi-demobilisasi pekerja, peralatan (genset, compresor, aliva, molen) dan material.	Ls	1.00	175,000,000.00	175,000,000.00
2	Gudang semen dan alat di lapangan.	Ls	1.00	75,000,000.00	75,000,000.00
3	Akomodasi/mess pekerja dan transport lokal.	Ls	1.00	325,000,000.00	325,000,000.00
				<b>SUB-JUMLAH I</b>	<b>575,000,000.00</b>
<b>II</b>	<b>PEKERJAAN SHORCRETE</b>				
1	Shotcrete K-250 tebal 75mm (dry system).	m2	-	485,000.00	-
2	Berm Drain	m2	-	827,942.00	-
3	Interceptor Drain	m2	1,710.00	910,550.00	1,557,040,500.00
4	Tangga Vertical	m'	249.00	3,165,682.00	788,254,818.00
				<b>SUB-JUMLAH II</b>	<b>2,345,295,318.00</b>
				<b>JUMLAH</b>	<b>2,920,295,318.00</b>
				<b>PPN 10 %</b>	<b>292,029,531.80</b>
				<b>TOTAL</b>	<b>3,212,324,849.80</b>
				<b>DIBULATKAN</b>	<b>3,212,325,000.00</b>

Palimanan, 15 April 2014

PT. PP (Persero) Tbk

**M. DARWIS HAMZAH**  
Project Manager

**SUMBER JAYA - PALIMANAN (STA 200+950 - 208+298)**

**BILL OF QUANTITIES**

ITEM NO.	DESCRIPTION	UNIT QTY	UNIT PRICE (Rp)	HARGA BARU VOLUME BARU	
				QUANTITY	SUB TOTAL (Rp)
<b>1</b>	<b>GENERAL</b>				
1.19	Maintenance and Protection of Traffic (Temporary Road and Bridge)	l.s.	2,650,000,000.00	1.00	2,650,000,000.00
1.20 (1)	Type A Building	each	Exlude		
1.20 (2)	Type B Building	each	Exlude		
1.20 (5)	Engineer's Core Team Office (300 m2)	each	Exlude		
1.20 (6)	Engineer's Site Office (180 m2)	each	Exlude		
1.20 (7) a	Transportation for the Engineer and his Staff (Core Team)	l.s.	Exlude		
1.20 (7) b	Transportation for the Engineer and his Staff (Field Team)	l.s.	Exlude		
1.20 (8)a	Laboratories 1 (Core Team)	l.s.	Exlude		
1.20 (8)b	Laboratories 2 (Field Team)	l.s.	Exlude		
1.20 (9)	Remaining Mobilization Work not Covered by 1.20 (1) to 1.20 (8), above	l.s.	3,064,297,400.00	1.00	3,064,297,400.00
1.46	Environment Monitoring and Tests	l.s.	Exlude		
1.51 (1)	Performance Bond	l.s.	3,000,740,000.00	1.00	3,000,740,000.00
1.51 (2)	Progress Report	l.s.	350,000,000.00	1.00	350,000,000.00
1.51 (3)	Insurance Premium	l.s.	923,384,300.00	1.00	923,384,300.00
<b>SECTION 1 - TOTAL TO SUMMARY</b>					<b>9,988,421,700.00</b>
<b>2</b>	<b>SITE CLEARING</b>				
2.01 (3)	Clearing and grubbing classified rice field swampy area, cultivated area and grass field	sq.m	3,656.00	661,899.80	2,419,905,668.80
<b>SECTION 2 - TOTAL TO SUMMARY</b>					<b>2,419,905,668.80</b>
<b>3</b>	<b>DEMOLITION</b>				
3.01 (1)	Removal of Masonry or Concrete Structures	cu.m	150,000.00	721.00	108,150,000.00
3.01 (2)	Removal of Hedge or Fences	m	37,500.00	317.00	11,887,500.00
3.01 (3)	Removal of Existing Curbs	m	7,500.00	260.00	1,950,000.00
3.01 (4)	Removal of Old Pavements	sq.m	30,000.00	1,085.00	32,550,000.00
3.01 (5)	Removal of Traffic Signs	each	50,000.00	5.00	250,000.00
<b>SECTION 3 - TOTAL TO SUMMARY</b>					<b>154,787,500.00</b>
<b>4</b>	<b>ROAD EARTHWORK</b>				
4.02 (1)	CPT Test	each	500,000.00	33.00	16,500,000.00
4.03 (1)	Common Excavation of Suitable Materials (Provisional Quantity)	cu.m	33,800.05	60,074.00	2,030,504,447.00
4.03 (2)	Common Excavation of Unsuitable Materials (Provisional Quantity)	cu.m	21,000.00	352,051.00	7,393,071,000.00
4.04(1)	Soft Rock Excavation	cu.m	37,681.00	505,919.00	19,063,533,839.00
4.05	Borrow Material (Provisional Quantity)	cu.m	58,278.60	1,234,903.00	71,968,417,976.00
4.06 (1)	Settlement Plate	each	10,000,000.00	33.00	330,000,000.00
4.06 (2)	Inclinometer	each	106,417,400.00	2.00	212,834,800.00
4.06 (3)	Piezometer	each	106,417,400.00	33.00	3,511,774,200.00
4.07	Free Draining Material	cu.m	150,000.00	19,118.81	2,867,821,875.00
4.08	Granular Backfill	cu.m	151,680.00	53,168.01	8,064,524,310.00
4.9	Permeable Material	cu.m	150,000.00	1,032.96	154,943,775.00
4.11 (2)	Geotextile Non Woven Sheet (Provisional Quantity)	sq.m	15,500.00	108,697.00	1,684,803,500.00
<b>SECTION 4 - TOTAL TO SUMMARY</b>					<b>117,298,729,722.00</b>
<b>5</b>	<b>STRUCTURE EXCAVATION</b>				
5.01 (1)	Structure Excavation to a depth not exceeding 2 m	cu.m	35,900.00	21,786.83	782,147,376.00
5.01 (2)	Structure Excavation to a depth greater than 2 m, but not exceeding 4 m	cu.m	69,600.00	10,330.14	718,978,075.00
5.01 (3)	Structure Excavation to a depth greater than 4 m	cu.m	87,100.00	1,627.28	141,735,653.00
5.01 (4)	Structure Excavation in river	cu.m	250,000.00	3,375.95	843,987,500.00
5.01 (7)	Blinding Stone	cu.m	190,000.00	1,108.30	210,577,864.00
<b>SECTION 5 - TOTAL TO SUMMARY</b>					<b>2,697,426,468.00</b>

10.01 (10)	Structural Concrete Class C-5 (box culvert and encasement of pipe culverts)	cu.m	1,422,009.00	6,048.05	8,600,378,973.00
10.01 (11)	Structural Concrete Class D (gravity type retaining walls, concrete backfill, concrete in masonry structures and as specified on the drawings)	cu.m	1,005,690.00	2,057.07	2,068,774,728.00
10.01 (12)	Structural Concrete Class E (levelling concrete, backfill concrete in masonry structures and as specified on the Drawings)	cu.m	796,860.00	1,226.72	977,522,784.00
10.02	Reinforcing Steel Bars	kg	9,639.00	4,127,830.70	39,788,160,129.00
10.03 (1)a	PC U1-14 Girder	each	117,339,250.00	-	-
10.03 (1)b	PC U1-16 Girder	each	-	-	-
10.03 (1)c	PC U1-19 Girder	each	-	-	-
10.03 (2)a	PC U1-21 Girder	each	157,059,700.00	-	-
10.03 (2)b	PC U1-25 Girder	each	-	-	-
10.03 (2)c	PC U1-28 Girder	each	-	-	-
10.03 (3)a	PC U2-14 Girder	each	136,172,285.00	16.00	2,178,756,560.00
10.03 (3)b	PC U2-15 Girder	each	-	-	-
10.03 (4)a	PC U2-21 Girder	each	155,176,530.00	16.00	2,482,824,480.00
10.03 (4)b	PC U2-23 Girder	each	-	-	-
10.03 (4)c	PC U3-14 Girder	each	115,894,870.00	-	-
10.03 (5)a	PC U3-16 Girder	each	149,448,630.00	8.00	1,195,589,040.00
10.03 (5)b	PC U3-21 Girder	each	166,782,380.00	-	-
10.03 (6)a	PC U3-25 Girder	each	171,811,775.00	26.00	4,467,106,150.00
10.03 (6)b	PC U-30 Girder	each	-	-	-
10.03 (6)c	PC U-35 Girder	each	-	-	-
10.03 (7)	PC T25 Edge Beam	each	-	-	-
10.03 (8)	PC T25 Inner Beam	each	-	-	-
10.03 (9)	PC T30 Edge Beam	each	300,000,000.00	4.00	1,200,000,000.00
10.03 (10)	PC T30 Inner Beam	each	308,467,402.00	10.00	3,084,674,020.00
10.03 (11)	PC T30s Edge Beam	each	-	-	-
10.03 (12)	PC T30s Inner Beam	each	-	-	-
10.03 (13)	PC T40 Edge Beam	each	-	-	-
10.03 (14)	PC T40 Inner Beam	each	-	-	-
10.03 (15)	PC T45 Edge Beam	each	-	-	-
10.03 (16)	PC T45 Inner Beam	each	-	-	-
10.03 (17)	Deck Connection (tie bolts at movement joints)	kg	41,895.00	224.00	9,384,480.00
10.03 (18)	PC I 14 Edge Beam	each	75,852,375.00	14.00	1,061,933,250.00
10.03 (19)	PC I 21 Edge Beam	each	89,312,455.00	14.00	1,250,374,370.00
10.03 (20)	PC I 25 Edge Beam	each	127,152,655.00	-	-
10.03 (2i)	PC I 30 Edge Beam	each	199,619,845.35	14.00	2,794,677,835.00
10.03 (22)	PC I 40 Edge Beam	each	310,557,402.00	28.00	8,695,607,256.00
10.05 (1)	Furnish Pretensioned Spun Concrete Pile, outside diameter 50 cm (Provisional)	m	576,263.00	8,506.00	4,901,693,078.00
10.05 (2)	Driving Pretensioned Spun Concrete Pile, outside diameter 50 cm (Provisional)	m	130,100.00	8,506.00	1,106,630,600.00
10.05 (6)	Furnish and Drive Pretensioned Spun Concrete Pile, test pile, outside diameter 60 cm	m	750,575.00	-	-
10.05 (7)a	Loading Test on Pretensioned Spun Concrete Pile, outside diameter 50 cm (MLT)	each	75,000,000.00	-	-
10.05 (8)a	Loading Test on Pretensioned Spun Concrete Pile, outside diameter 60 cm (MLT)	each	75,000,000.00	-	-
10.05 (9)	Furnish and Drive pile, square 12 m	m	-	-	-
10.05 (10)	Furnish Precast Reinforced Concrete Pile, 40 cm x 40 cm	m	376,063.00	27,720.00	10,424,466,360.00
10.06 (1)	Furnish Steel Pipe Pile, SKK-41	ton	-	-	-
10.06 (2)	Furnish Steel Pipe Pile, outside diameter 60 cm	m	-	-	-
10.07 (1)	Cast-in-place Concrete Pile, 100 cm in diameter (Provisional Quantity)	m	3,260,000.00	5,008.00	16,326,080,000.00
10.07 (2)	Loading Test (MLT) for Cast-in-place Concrete Pile, 100 cm in diameter (Provisional Quantity)	each	150,000,000.00	3.00	450,000,000.00
10.07 (3)	Cast-in-place Concrete Pile, 80 cm in diameter (Provisional Quantity)	m	2,650,000.00	1,800.00	4,770,000,000.00
10.07 (4)	Loading Test (MLT) for Cast-in-place Concrete Pile, 80 cm in diameter (Provisional Quantity)	each	150,000,000.00	2.00	300,000,000.00
10.08	Test Drilling (Provisional Quantity)	m	15,000,000.00	3.00	45,000,000.00
10.09 (1)	Bridge Railling	m	950,000.00	648.20	615,790,000.00
10.09 (2)	Stair Handrail	m	750,000.00	-	-
10.09 (3)	Chainlink Fence	m	1,200,000.00	427.20	512,640,000.00
10.10 (1)	Expansion Joint, Type A	m	1,200,000.00	523.50	628,200,000.00
10.10 (2)	Expansion Joint, Type B	m	-	-	-
10.10 (3)	Expansion Joint, Type C	m	-	-	-
10.10 (4)	Compressible Joint filler 5 mm thick	sq. m	-	-	-
10.10 (5)	Compressible Joint filler 10 mm thick	sq. m	-	-	-
10.10 (6)	Compressible Joint filler 20 mm thick	sq. m	-	-	-
10.10 (7)	Compressible Joint filler 30 mm thick	sq. m	-	-	-
10.10 (8)	Asphaltic Joint filler 20 mm thick	m	-	-	-
10.11 (1)	Elastomeric Bearings, Type A	each	4,597,310.00	56.00	257,449,360.00

10.11 (2)	Elastromeric Bearings, Type B	each	1,800,060.00	148.00	266,408,880.00
10.11 (3)	Elastromeric Bearings, Type C	each	4,000,360.00	96.00	384,034,560.00
10.11 (4)	Elastromeric Bearings, Type D	each	-	-	-
10.11 (5)	Elastromeric Bearings, Type E	each	-	-	-
10.11 (6)	Elastromeric Bearings, Type F	each	-	-	-
10.11 (7)	Elastromeric Bearings, Type G	each	-	-	-
10.11 (8)	Elastromeric Bearings, Type H	each	-	-	-
10.11 (9)	Metal Bearings Shoe, Type A	each	-	-	-
10.11 (10)	Metal Bearings Shoe, Type B	each	-	-	-
10.11 (11)	Metal Bearings shoe, Type C	each	-	-	-
10.11 (12)	Metal Bearings shoe, Type D	each	-	-	-
10.11 (13)	Metal Bearings Shoe, Type E	each	-	-	-
10.11 (14)	Metal Bearings Shoe, Type F	each	-	-	-
10.11 (15)	Rubber Sheet	sq. m	-	-	-
10.12 (1)	Drain Pipe diameter 20 cm with Fitting and Supports	m	496,375.00	728.00	361,361,000.00
10.12 (2)	Drain Pipe diameter 15 cm with Fitting and Supports	m	386,080.00	138.00	53,279,040.00
10.12 (3)	Deck Drain Gullies complete with Fittings	each	1,378,735.00	92.00	126,843,620.00
<b>SECTION 10 - TOTAL TO SUMMARY</b>					<b>168,166,094,727.00</b>
<b>11</b>	<b>STRUCTURAL STEEL WORK</b>				
11.01	Structural Steel Work (including erection)	kg			
<b>SECTION 11 - TOTAL TO SUMMARY</b>					<b>-</b>
<b>12</b>	<b>MISCELLANEOUS</b>				
12.01 (1)	Solid Sodding	sq.m	10,400.00	82,310.92	856,033,568.00
12.01 (2)	Strip Sodding	sq.m	8,500.00	161,422.50	1,372,091,250.00
12.02 (1)	Stone Masonry	cu.m	500,000.00	2,442.00	1,221,000,000.00
12.03 (2)	Concrete Block Slope Protection SP-A	sq.m	354,200.00	3,524.00	1,248,200,800.00
12.05	Mortared Rubble	sq.m	91,300.00	9,637.28	879,883,664.00
12.06 (1)	Vehicle Guardrail, Type-A	m	490,000.00	10,044.00	4,921,560,000.00
12.06 (3)	Vehicle Guardrail, Type-C	each	1,021,700.00	95.00	97,061,500.00
12.06 (12)	Removable Barrier Post	each	8,127,000.00	9.00	73,143,000.00
12.07 (1)	Regulatory and Warning Signs Type - A1	each	2,969,900.00	44.00	130,675,600.00
12.07 (2)	Regulatory and Warning Signs Type - A2	each	2,969,100.00	29.00	86,103,900.00
12.07 (3)	Regulatory and Warning Signs Type - B1	each	2,268,400.00	29.00	65,783,600.00
12.07 (4)	Regulatory and Warning Signs Type - B2	each	3,067,600.00	6.00	18,405,600.00
12.07 (5)	Regulatory and Warning Signs Type - C	each	2,317,600.00	25.00	57,940,000.00
12.08 (2)a	Guide Sign Type A1,	each	17,404,090.00	19.00	330,677,710.00
12.08 (2)b	Guide Sign Type A2,	each	18,074,100.00	3.00	54,222,300.00
12.08 (2)c	Guide Sign Type A3,	each	20,909,240.00	9.00	188,183,160.00
12.08 (2)d	Guide Sign Type A4,	each	29,724,420.00	2.00	59,448,840.00
12.08 (2)e	Guide Sign Type A5,	each	20,187,310.00	5.00	100,936,550.00
12.08 (3)a	Guide Sign Type B1	each	82,500,000.00	2.00	165,000,000.00
12.08 (4)	Guide Sign Type C	each	104,500,000.00	1.00	104,500,000.00
12.08 (7)	Guide Sign Type E1 (Attachment on Roof, for Barrier Gate)	each	215,460,000.00	2.00	430,920,000.00
12.09 (2)	Road Marking, Type-A General Application	sq.m	160,000.00	1,719.83	275,172,637.00
12.09 (3)	Road Marking, Type-A Special Application	sq.m	184,300.00	519.36	95,718,048.00
12.09 (6)	Rumble Strip configuration t = 10 mm	sq.m	251,400.00	285.00	71,649,000.00
12.12(1)	Concrete Curb Type A	m	130,000.00	6,671.80	867,334,000.00
12.19 (1)	Wire-mesh Gabions, Furnished and Stone Filled	cu.m	690,300.00	1,498.40	1,034,345,520.00
12.19 (2)	Wire-mesh Mattress, Furnished and Stone Filled	cu.m	630,000.00	591.93	372,915,900.00
12.20 (1)	Kilometer Posts (1 km)	each	1,161,000.00	7.35	8,531,028.00
12.20 (2)	Kilometer Posts (200 m)	each	1,161,000.00	23.00	26,703,000.00
12.20 (4)	Guide Post Type A	each	156,800.00	226.88	35,574,784.00
12.20 (5)	Guide Post Type B	each	98,600.00	616.40	60,777,040.00
12.21 (1)	Right-of-way Fence, Type-A	m	557,162.00	2,132.00	1,187,869,384.00
12.21 (2)	Right-of-way Fence, Type-B	m	347,580.00	12,609.00	4,382,636,220.00
12.21 (3)	Right-of-way Fence, Type-C	m	525,000.00	80.00	42,000,000.00
12.21 (4)	Right-of-way Fence Gate, Type-A	each	150,000,000.00	1.00	150,000,000.00
12.21 (5)	Right-of-way Fence Gate, Type-B	each	100,000,000.00	2.00	200,000,000.00
<b>SECTION 12 - TOTAL TO SUMMARY</b>					<b>21,272,997,603.00</b>

<b>2</b>	<b>EXCAVATION WORKS</b>					
2.1.	Common earth material excavation (including overburden) and transport excavated material to disposal area.	M3	180,000.00	37,681.00	6,782,580,000.00	12.718
<b>3</b>	<b>DRILLING AND BLASTING WORKS (INCLUSIVE OF BOULDERS)</b>					
3.1.	Preparation and execution of drilling and blasting work as specified in method of statement and main contract specification.	M3	420,000.00	46,000.00	19,320,000,000.00	36.226
<b>4</b>	<b>LOADING AND TRANSPORT FOR DISPOSAL</b>					
4.1.	Load, muck of blasted rocks (oversize rocks to carry out secondary blasting or break by drop hammer etc.) and transport by lorries to dispose.	M3	420,000.00	59,000.00	24,780,000,000.00	46.463
<b>5</b>	<b>TRIMMING OR FINISH ROCK SLOPE AFTER EXPLOSION</b>					
5.1.	Cut to line and profile of final rock slope as per approved cross section. (pre-splitting)	M3	30,000.00	45,000.00	1,350,000,000.00	2.531
	<b>Total To Summary</b>				<b>52,232,580,000.00</b>	<b>97.937</b>
	<b>GRAND TOTAL</b>				<b>53,332,580,000.00</b>	<b>100.000</b>



# **RAP**

**CIKAMPEK PALIMANAN TOLL ROAD PACKAGE VIB**

**SUMBER JAYA - PALIMANAN (STA 200+950 - 208+298)**

**CIKAMPEK PALIMANAN TOLL ROAD PACKAGE VIB  
SUMBER JAYA - PALIMANAN (STA 200+950 - 208+298)  
BILL OF QUANTITIES  
SUMMARY**

ITEM	DESCRIPTION	RAB BARU HARGA BARU VOL. BARU TOTAL (Rp)
a	b	d
1	General	7,065,231,700.00
2	Site Clearing	1,654,749,500.00
3	Demolition	126,758,500.00
4	Road Eartworks	110,422,700,834.00
5	Structure Excavation	2,418,917,763.00
6	Drainage	14,610,847,419.00
7	Subgrade	466,265,114.00
8	Subbase and Base Course	21,992,616,787.00
9	Pavements	97,466,530,302.00
10	Concrete Structures	156,098,407,963.00
11	Structural Steel Works	-
12	Miscellaneous	20,535,616,539.00
13	Utilities	-
14	Toll Gates and Facilities	-
15	Diversion and Protection of Existing Utl.	-
16	Toll Plaza Facilities	-
17	Branch Office and Supporting Buildings	-
<b>A. Sub Total</b>		<b>432,858,642,421.00</b>
<b>B. Tax (PPN) - 10% of Sub Total (A x 0.1)</b>		<b>43,285,864,242.10</b>
<b>C. TOTAL (A + B)</b>		<b>476,144,506,663.10</b>
<b>D. DIBULATKAN</b>		<b>476,144,507,000.00</b>

**PEKERJAAN SHOTCRETE  
STA. 201+800 - 202+275  
CIKAMPEK - PALIMANAN TOLL ROAD SECTION 6B**

NO	JENIS PEKERJAAN	SATUAN	VOLUME	HARGA SATUAN	JUMLAH
<b>I</b>	<b>PEKERJAAN PERSIAPAN</b>				
1	Mobilisasi-demobilisasi pekerja, peralatan (genset, compresor, aliva, molen) dan material.	Ls	1.00	155,000,000.00	155,000,000.00
2	Gudang semen dan alat di lapangan.	Ls	1.00	60,000,000.00	60,000,000.00
3	Akomodasi/mess pekerja dan transport lokal.	Ls	1.00	225,000,000.00	225,000,000.00
				<b>SUB-JUMLAH I</b>	<b>440,000,000.00</b>
<b>II</b>	<b>PEKERJAAN SHORCRETE</b>				
1	Shotcrete K-250 tebal 75mm (dry system).	m2	-	485,000.00	-
2	Berm Drain	m2	-	827,942.00	-
3	Interceptor Drain	m2	1,710.00	800,550.00	1,368,940,500.00
4	Tangga Vertical	m'	249.00	2,150,500.00	535,474,500.00
				<b>SUB-JUMLAH II</b>	<b>1,904,415,000.00</b>
				<b>JUMLAH</b>	<b>2,344,415,000.00</b>
				<b>PPN 10 %</b>	<b>234,441,500.00</b>
				<b>TOTAL</b>	<b>2,578,856,500.00</b>
				<b>DIBULATKAN</b>	<b>2,578,857,000.00</b>

Palimanan, 15 April 2014

PT. PP (Persero) Tbk

**M. DARWIS HAMZAH**  
Project Manager

**SUMBER JAYA - PALIMANAN (STA 200+950 - 208+298)**

**BILL OF QUANTITIES**

ITEM NO.	DESCRIPTION	UNIT QTY	UNIT PRICE (Rp)	HARGA BARU VOLUME BARU	
				QUANTITY	SUB TOTAL (Rp)
<b>1</b>	<b>GENERAL</b>				
1.19	Maintenance and Protection of Traffic (Temporary Road and Bridge)	l.s.	2,000,000,000.00	1.00	2,000,000,000.00
1.20 (1)	Type A Building	each	Exclude		
1.20 (2)	Type B Building	each	Exclude		
1.20 (5)	Engineer's Core Team Office (300 m2)	each	Exclude		
1.20 (6)	Engineer's Site Office (180 m2)	each	Exclude		
1.20 (7) a	Transportation for the Engineer and his Staff (Core Team)	l.s.	Exclude		
1.20 (7) b	Transportation for the Engineer and his Staff (Field Team)	l.s.	Exclude		
1.20 (8)a	Laboratories 1 (Core Team)	l.s.	Exclude		
1.20 (8)b	Laboratories 2 (Field Team)	l.s.	Exclude		
1.20 (9)	Remaining Mobilization Work not Covered by 1.20 (1) to 1.20 (8), above	l.s.	2,064,297,400.00	1.00	2,064,297,400.00
1.46	Environment Monitoring and Tests	l.s.	Exclude		
1.51 (1)	Performance Bond	l.s.	2,000,550,000.00	1.00	2,000,550,000.00
1.51 (2)	Progress Report	l.s.	250,000,000.00	1.00	250,000,000.00
1.51 (3)	Insurance Premium	l.s.	750,384,300.00	1.00	750,384,300.00
<b>SECTION 1 - TOTAL TO SUMMARY</b>					<b>7,065,231,700.00</b>
<b>2</b>	<b>SITE CLEARING</b>				
2.01 (3)	Clearing and grubbing classified rice field swampy area, cultivated area and grass field	sq.m	2,500.00	661,899.80	1,654,749,500.00
<b>SECTION 2 - TOTAL TO SUMMARY</b>					<b>1,654,749,500.00</b>
<b>3</b>	<b>DEMOLITION</b>				
3.01 (1)	Removal of Masonry or Concrete Structures	cu.m	150,000.00	721.00	108,150,000.00
3.01 (2)	Removal of Hedge or Fences	m	37,500.00	317.00	11,887,500.00
3.01 (3)	Removal of Existing Curbs	m	7,500.00	260.00	1,950,000.00
3.01 (4)	Removal of Old Pavements	sq.m	30,000.00	1,085.00	32,550,000.00
3.01 (5)	Removal of Traffic Signs	each	50,000.00	5.00	250,000.00
<b>SECTION 3 - TOTAL TO SUMMARY</b>					<b>154,787,500.00</b>
<b>4</b>	<b>ROAD EARTHWORK</b>				
4.02 (1)	CPT Test	each	300,000.00	33.00	9,900,000.00
4.03 (1)	Common Excavation of Suitable Materials (Provisional Quantity)	cu.m	25,000.05	60,074.00	1,501,853,247.00
4.03 (2)	Common Excavation of Unsuitable Materials (Provisional Quantity)	cu.m	20,000.00	352,051.00	7,041,020,000.00
4.04(1)	Soft Rock Excavation	cu.m	35,000.00	505,919.00	17,707,165,000.00
4.05	Borrow Material (Provisional Quantity)	cu.m	55,000.50	1,234,903.00	67,920,282,452.00
4.06 (1)	Settlement Plate	each	8,000,000.00	33.00	264,000,000.00
4.06 (2)	Inclinometer	each	100,000,000.00	2.00	200,000,000.00
4.06 (3)	Piezometer	each	100,000,000.00	33.00	3,300,000,000.00
4.07	Free Draining Material	cu.m	145,000.00	19,118.81	2,772,227,813.00
4.08	Granular Backfill	cu.m	150,000.00	53,168.01	7,975,202,047.00
4.9	Permeable Material	cu.m	150,000.00	1,032.96	154,943,775.00
4.11 (2)	Geotextile Non Woven Sheet (Provisional Quantity)	sq.m	14,500.00	108,697.00	1,576,106,500.00
<b>SECTION 4 - TOTAL TO SUMMARY</b>					<b>110,422,700,834.00</b>
<b>5</b>	<b>STRUCTURE EXCAVATION</b>				
5.01 (1)	Structure Excavation to a depth not exceeding 2 m	cu.m	35,000.00	21,786.83	762,539,225.00
5.01 (2)	Structure Excavation to a depth greater than 2 m, but not exceeding 4 m	cu.m	65,500.00	10,330.14	676,624,481.00
5.01 (3)	Structure Excavation to a depth greater than 4 m	cu.m	85,000.00	1,627.28	138,318,375.00
5.01 (4)	Structure Excavation in river	cu.m	200,000.00	3,375.95	675,190,000.00
5.01 (7)	Blinding Stone	cu.m	150,000.00	1,108.30	166,245,682.00
<b>SECTION 5 - TOTAL TO SUMMARY</b>					<b>2,418,917,763.00</b>

<b>6</b>	<b>DRAINAGE</b>				
6.05 (2)	R.C. Pipe, D = 40 cm, Type A	m	-		
6.05 (3)	R.C. Pipe, D = 60 cm, Type A	m	1,000,000.00	78.00	78,000,000.00
6.05 (4)	R.C. Pipe, D = 60 cm, Type B	m	1,694,830.51	210.00	355,914,407.00
6.05 (7)	R.C. Pipe, D = 100 cm, Type A	m	2,175,344.00	32.00	69,611,008.00
6.05 (8)	R.C. Pipe, D = 100 cm, Type B	m	4,198,169.67	866.00	3,635,614,935.00
6.05 (9)	R.C. Pipe, D = 120 cm, Type A	m	2,500,000.00	384.00	960,000,000.00
6.05 (10)	R.C. Pipe, D = 120 cm, Type B	m	5,100,000.00	235.00	1,198,500,000.00
6.05 (13)	R.C. Pipe, D = 100 cm, Type D	m	7,750,000.00	147.00	1,139,250,000.00
6.06 (4)	U Ditch, DS-4	m	195,367.00	5,240.73	1,023,865,698.00
6.06 (5)	U Ditch, DS-5	m	294,840.00	1,281.00	377,690,040.00
6.06 (6)	U Ditch, DS-6	m	55,000.00	8,084.00	444,619,780.00
6.06 (7)	U Ditch, DS-7	m	491,400.00	2,706.73	1,330,087,122.00
6.06 (8)	U Ditch, DS-8	m	483,600.00	2,370.00	1,146,132,000.00
6.06 (11)	U Ditch, DS-11	m	55,000.00	6,831.00	375,705,000.00
6.06 (13)	U Ditch, DS-14	m	185,000.00	4,921.00	910,385,000.00
6.06 (15)	Catchbasin DC-1	each	8,500,000.00	11.00	93,500,000.00
6.06 (23)	Catchbasin DC-14	each	9,500,000.00	3.00	28,500,000.00
6.07 (1)	Porous Drainage of Filter Material	cu.m	300,000.00	1,434.94	430,481,250.00
6.07 (2)	Plastic Filter Fabric	sq.m	16,000.00	6,887.70	110,203,200.00
6.07 (3)	Perforated Pipe for Sub surface Drainage Works	m	210,000.00	3,084.00	647,640,000.00
6.07(4)	Drain Inlet (DI - 3 & DO -3 )	each	9,100,000.00	20.00	182,000,000.00
6.07(5)	Drain Inlet (DI - 4 & DO -4 )	each	10,000,000.00	4.00	40,000,000.00
6.07.(6)	Mortared Rubble Chute DV - 5	cu.m	600,600.00	35.80	21,499,979.00
6.07.(7)	Concrete class D Chute DV - 5	cu.m	1,400,000.00	8.32	11,648,000.00
<b>SECTION 6 - TOTAL TO SUMMARY</b>					<b>14,610,847,419.00</b>
<b>7</b>	<b>SUBGRADE</b>				
7.01	Subgrade Preparation	sq.m	3,200.00	145,707.85	466,265,114.00
<b>SECTION 7 - TOTAL TO SUMMARY</b>					<b>466,265,114.00</b>
<b>8</b>	<b>SUBBASE AND ROAD BASE</b>				
8.01	Sub Base	cu.m	151,500.00	27,688.42	4,194,795,429.00
8.02 (1)	Aggregate Base Class A	cu.m	200,000.00	88,989.11	17,797,821,358.00
8.02 (2)	Aggregate Base Class B	cu.m			
<b>SECTION 8 - TOTAL TO SUMMARY</b>					<b>21,992,616,787.00</b>
<b>9</b>	<b>PAVEMENTS</b>				
9.04 (1)	Bituminous Prime Coat (Grade MC-70 or RC-250)	kg	11,100.00	119,801.12	1,329,792,444.00
9.04 (2)	Bituminous Tack Coat (Grade RC-250)	kg	11,100.00	49,467.96	549,094,313.00
9.06	Seal Coat (Grade RC-250)	sq.m	-	-	-
9.07 (1)	Asphalt Treated Base Course	ton	495,068.00	22,248.83	11,014,684,464.00
9.07 (2)	Asphalt Concrete Binder Course	ton	500,150.00	4,512.02	2,256,684,690.00
9.07 (3)	Asphalt Concrete Surface Course	ton	504,250.00	4,331.93	2,184,376,466.00
9.07 (4)	Asphalt Cement	ton	7,500,000.00	1,695.60	12,717,010,583.00
	Concrete with steel mesh (t=25 cm) single	sq.m	-	-	-
	Concrete pavement with steel mesh (t=25 cm) double	sq.m	-	-	-
	Concrete pavement (t=27 cm)	sq.m	-	-	-
9.08 (1)	Concrete Pavement (t=30 cm)	sq.m	355,000.00	149,327.12	53,011,128,310.00
9.08 (3)a	Concrete Pavement with steel mesh (t=30 cm) single	sq.m	350,660.67	1,357.50	476,021,860.00
9.08 (3)b	Concrete Pavement with steel mesh (t=30 cm) double	sq.m	375,000.00	5,700.00	2,137,500,000.00
9.09	Wet lean concrete (t=10 cm)	sq.m	72,672.00	162,239.06	11,790,237,172.00
<b>SECTION 9 - TOTAL TO SUMMARY</b>					<b>97,466,530,302.00</b>
<b>10</b>	<b>CONCRETE STRUCTURE</b>				
10.01 (1)	Structural Concrete Class B-1 (Cross beams and diaphragm of prestressed concrete)	cu.m	2,075,000.00	601.52	1,248,158,150.00
10.01 (2)	Structural Concrete Class B-2 (Cast in place reinforced concrete piles)	cu.m	-	-	-
10.01 (3)	Structural Concrete Class B-3 (Approach and transition slab for rigid pavement)	cu.m	-	-	-
10.01 (4)	Structural Concrete Class B-4 (reinforced concrete for bridge deck slab)	cu.m	2,115,000.00	2,157.46	4,563,017,325.00
10.01 (5)	Structural Concrete Class B-5 (reinforced concrete for pier columns)	cu.m	2,000,950.00	862.39	1,725,601,071.00
10.01 (6)	Structural Concrete Class C-1 (stairs of pedestrian bridge)	cu.m	1,752,405.00	-	-
10.01 (7)	Structural Concrete Class C-2 (reinforced and precast plate for slabs)	cu.m	1,710,510.00	1,296.37	2,217,453,849.00
10.01 (8)	Structural Concrete Class C-3 (footing for pedestrian bridge)	cu.m	1,200,935.00	-	-
10.01 (9)	Structural Concrete Class C-4 (Abutments, piers, approach slabs for bituminous pavement, retaining walls)	cu.m	1,202,343.00	21,040.32	25,297,677,515.00

10.01 (10)	Structural Concrete Class C-5 (box culvert and encasement of pipe culverts)	cu.m	1,422,009.00	6,048.05	8,600,378,973.00
10.01 (11)	Structural Concrete Class D (gravity type retaining walls, concrete backfill, concrete in masonry structures and as specified on the drawings)	cu.m	1,005,690.00	2,057.07	2,068,774,728.00
10.01 (12)	Structural Concrete Class E (levelling concrete, backfill concrete in masonry structures and as specified on the drawings)	cu.m	796,860.00	1,226.72	977,522,784.00
10.02	Reinforcing Steel Bars	kg	9,639.00	4,127,830.70	39,788,160,129.00
10.03 (1)a	PC U1-14 Girder	each	117,339,250.00	-	-
10.03 (1)b	PC U1-16 Girder	each	-	-	-
10.03 (1)c	PC U1-19 Girder	each	-	-	-
10.03 (2)a	PC U1-21 Girder	each	157,059,700.00	-	-
10.03 (2)b	PC U1-25 Girder	each	-	-	-
10.03 (2)c	PC U1-28 Girder	each	-	-	-
10.03 (3)a	PC U2-14 Girder	each	106,172,285.00	16.00	1,698,756,560.00
10.03 (3)b	PC U2-15 Girder	each	-	-	-
10.03 (4)a	PC U2-21 Girder	each	150,000,000.00	16.00	2,400,000,000.00
10.03 (4)b	PC U2-23 Girder	each	-	-	-
10.03 (4)c	PC U3-14 Girder	each	115,500,000.00	-	-
10.03 (5)a	PC U3-16 Girder	each	145,400,000.00	8.00	1,163,200,000.00
10.03 (5)b	PC U3-21 Girder	each	165,000,580.00	-	-
10.03 (6)a	PC U3-25 Girder	each	151,500,000.00	26.00	3,939,000,000.00
10.03 (6)b	PC U-30 Girder	each	-	-	-
10.03 (6) c	PC U-35 Girder	each	-	-	-
10.03 (7)	PC T25 Edge Beam	each	-	-	-
10.03 (8)	PC T25 Inner Beam	each	-	-	-
10.03 (9)	PC T30 Edge Beam	each	275,000,000.00	4.00	1,100,000,000.00
10.03 (10)	PC T30 Inner Beam	each	200,467,402.00	10.00	2,004,674,020.00
10.03 (11)	PC T30s Edge Beam	each	-	-	-
10.03 (12)	PC T30s Inner Beam	each	-	-	-
10.03 (13)	PC T40 Edge Beam	each	-	-	-
10.03 (14)	PC T40 Inner Beam	each	-	-	-
10.03 (15)	PC T45 Edge Beam	each	-	-	-
10.03 (16)	PC T45 Inner Beam	each	-	-	-
10.03 (17)	Deck Connection (tie bolts at movement joints)	kg	41,895.00	224.00	9,384,480.00
10.03 (18)	PC I 14 Edge Beam	each	75,852,375.00	14.00	1,061,933,250.00
10.03 (19)	PC I 21 Edge Beam	each	89,312,455.00	14.00	1,250,374,370.00
10.03 (20)	PC I 25 Edge Beam	each	127,152,655.00	-	-
10.03 (21)	PC I 30 Edge Beam	each	150,000,000.35	14.00	2,100,000,005.00
10.03 (22)	PC I 40 Edge Beam	each	275,557,402.00	28.00	7,715,607,256.00
10.05 (1)	Furnish Pretensioned Spun Concrete Pile, outside diameter 50 cm (Provisional)	m	576,263.00	8,506.00	4,901,693,078.00
10.05 (2)	Driving Pretensioned Spun Concrete Pile, outside diameter 50 cm (Provisional)	m	130,100.00	8,506.00	1,106,630,600.00
10.05 (6)	Furnish and Drive Pretensioned Spun Concrete Pile, test pile, outside diameter 60 cm	m	750,575.00	-	-
10.05 (7)a	Loading Test on Pretensioned Spun Concrete Pile, outside diameter 50 cm (MLT)	each	75,000,000.00	-	-
10.05 (8)a	Loading Test on Pretensioned Spun Concrete Pile, outside diameter 60 cm (MLT)	each	75,000,000.00	-	-
10.05 (9)	Furnish and Drive pile, square 12 m	m	-	-	-
10.05 (10)	Furnish Precast Reinforced Concrete Pile, 40 cm x 40 cm	m	350,000.00	27,720.00	9,702,000,000.00
10.06 (1)	Furnish Steel Pipe Pile, SKK-41	ton	-	-	-
10.06 (2)	Furnish Steel Pipe Pile, outside diameter 60 cm	m	-	-	-
10.07 (1)	Cast-in-place Concrete Pile, 100 cm in diameter (Provisional Quantity)	m	3,260,000.00	5,008.00	16,326,080,000.00
10.07 (2)	Loading Test (MLT) for Cast-in-place Concrete Pile, 100 cm in diameter (Provisional Quantity)	each	125,000,000.00	3.00	375,000,000.00
10.07 (3)	Cast-in-place Concrete Pile, 80 cm in diameter (Provisional Quantity)	m	2,650,000.00	1,800.00	4,770,000,000.00
10.07 (4)	Loading Test (MLT) for Cast-in-place Concrete Pile, 80 cm in diameter (Provisional Quantity)	each	135,000,000.00	2.00	270,000,000.00
10.08	Test Drilling (Provisional Quantity)	m	15,000,000.00	3.00	45,000,000.00
10.09 (1)	Bridge Railling	m	950,000.00	648.20	615,790,000.00
10.09 (2)	Stair Handrail	m	750,000.00	-	-
10.09 (3)	Chainlink Fence	m	1,100,000.00	427.20	469,920,000.00
10.10 (1)	Expansion Joint, Type A	m	1,000,000.00	523.50	523,500,000.00
10.10 (2)	Expansion Joint, Type B	m	-	-	-
10.10 (3)	Expansion Joint, Type C	m	-	-	-
10.10 (4)	Compressible Joint filler 5 mm thick	sq. m	-	-	-
10.10 (5)	Compressible Joint filler 10 mm thick	sq. m	-	-	-
10.10 (6)	Compressible Joint filler 20 mm thick	sq. m	-	-	-
10.10 (7)	Compressible Joint filler 30 mm thick	sq. m	-	-	-
10.10 (8)	Asphaltic Joint filler 20 mm thick	m	-	-	-
10.11 (1)	Elastomeric Bearings, Type A	each	4,500,000.00	56.00	252,000,000.00

10.11 (2)	Elastomeric Bearings, Type B	each	1,800,060.00	148.00	266,408,880.00
10.11 (3)	Elastomeric Bearings, Type C	each	4,000,250.00	96.00	384,024,000.00
10.11 (4)	Elastomeric Bearings, Type D	each	-	-	-
10.11 (5)	Elastomeric Bearings, Type E	each	-	-	-
10.11 (6)	Elastomeric Bearings, Type F	each	-	-	-
10.11 (7)	Elastomeric Bearings, Type G	each	-	-	-
10.11 (8)	Elastomeric Bearings, Type H	each	-	-	-
10.11 (9)	Metal Bearings Shoe, Type A	each	-	-	-
10.11 (10)	Metal Bearings Shoe, Type B	each	-	-	-
10.11 (11)	Metal Bearings shoe, Type C	each	-	-	-
10.11 (12)	Metal Bearings shoe, Type D	each	-	-	-
10.11 (13)	Metal Bearings Shoe, Type E	each	-	-	-
10.11 (14)	Metal Bearings Shoe, Type F	each	-	-	-
10.11 (15)	Rubber Sheet	sq. m	-	-	-
10.12 (1)	Drain Pipe diameter 20 cm with Fitting and Supports	m	496,375.00	728.00	361,361,000.00
10.12 (2)	Drain Pipe diameter 15 cm with Fitting and Supports	m	386,080.00	138.00	53,279,040.00
10.12 (3)	Deck Drain Gullies complete with Fittings	each	1,250,000.00	92.00	115,000,000.00
<b>SECTION 10 - TOTAL TO SUMMARY</b>					<b>155,983,194,443.00</b>
<b>11</b>	<b>STRUCTURAL STEEL WORK</b>				
11.01	Structural Steel Work (including erection)	kg			
<b>SECTION 11 - TOTAL TO SUMMARY</b>					<b>-</b>
<b>12</b>	<b>MISCELLANEOUS</b>				
12.01 (1)	Solid Sodding	sq.m	10,000.00	82,310.92	823,109,200.00
12.01 (2)	Strip Sodding	sq.m	8,500.00	161,422.50	1,372,091,250.00
12.02 (1)	Stone Masonry	cu.m	450,000.00	2,442.00	1,098,900,000.00
12.03 (2)	Concrete Block Slope Protection SP-A	sq.m	354,200.00	3,524.00	1,248,200,800.00
12.05	Mortared Rubble	sq.m	91,300.00	9,637.28	879,883,664.00
12.06 (1)	Vehicle Guardrail, Type-A	m	450,000.00	10,044.00	4,519,800,000.00
12.06 (3)	Vehicle Guardrail, Type-C	each	900,250.00	95.00	85,523,750.00
12.06 (12)	Removable Barrier Post	each	6,150,000.00	9.00	55,350,000.00
12.07 (1)	Regulatory and Warning Signs Type - A1	each	2,500,100.00	44.00	110,004,400.00
12.07 (2)	Regulatory and Warning Signs Type - A2	each	2,500,100.00	29.00	72,502,900.00
12.07 (3)	Regulatory and Warning Signs Type - B1	each	2,268,400.00	29.00	65,783,600.00
12.07 (4)	Regulatory and Warning Signs Type - B2	each	3,067,600.00	6.00	18,405,600.00
12.07 (5)	Regulatory and Warning Signs Type - C	each	2,317,600.00	25.00	57,940,000.00
12.08 (2)a	Guide Sign Type A1,	each	15,500,000.00	19.00	294,500,000.00
12.08 (2)b	Guide Sign Type A2,	each	18,074,100.00	3.00	54,222,300.00
12.08 (2)c	Guide Sign Type A3,	each	20,505,000.00	9.00	184,545,000.00
12.08 (2)d	Guide Sign Type A4,	each	25,650,000.00	2.00	51,300,000.00
12.08 (2)e	Guide Sign Type A5,	each	20,187,310.00	5.00	100,936,550.00
12.08 (3)a	Guide Sign Type B1	each	82,500,000.00	2.00	165,000,000.00
12.08 (4)	Guide Sign Type C	each	95,000,000.00	1.00	95,000,000.00
12.08 (7)	Guide Sign Type E1 (Attachment on Roof, for Barrier Gate)	each	210,500,000.00	2.00	421,000,000.00
12.09 (2)	Road Marking, Type-A General Application	sq.m	160,000.00	1,719.83	275,172,637.00
12.09 (3)	Road Marking, Type-A Special Application	sq.m	184,300.00	519.36	95,718,048.00
12.09 (6)	Rumble Strip configuration t = 10 mm	sq.m	251,400.00	285.00	71,649,000.00
12.12(1)	Concrete Curb Type A	m	130,000.00	6,671.80	867,334,000.00
12.19 (1)	Wire-mesh Gabions, Furnished and Stone Filled	cu.m	690,300.00	1,498.40	1,034,345,520.00
12.19 (2)	Wire-mesh Mattress, Furnished and Stone Filled	cu.m	630,000.00	591.93	372,915,900.00
12.20 (1)	Kilometer Posts (1 km)	each	1,000,000.00	7.35	7,348,000.00
12.20 (2)	Kilometer Posts (200 m)	each	1,000,000.00	23.00	23,000,000.00
12.20 (4)	Guide Post Type A	each	150,000.00	226.88	34,032,000.00
12.20 (5)	Guide Post Type B	each	95,500.00	616.40	58,866,200.00
12.21 (1)	Right-of-way Fence, Type-A	m	550,000.00	2,132.00	1,172,600,000.00
12.21 (2)	Right-of-way Fence, Type-B	m	347,580.00	12,609.00	4,382,636,220.00
12.21 (3)	Right-of-way Fence, Type-C	m	525,000.00	80.00	42,000,000.00
12.21 (4)	Right-of-way Fence Gate, Type-A	each	125,000,000.00	1.00	125,000,000.00
12.21 (5)	Right-of-way Fence Gate, Type-B	each	99,500,000.00	2.00	199,000,000.00
<b>SECTION 12 - TOTAL TO SUMMARY</b>					<b>20,535,616,539.00</b>



KG - NRC CONSORTIUM

**BILL OF QUANTITY**

**CIKAMPEK - PALIMANAN TOLL ROAD PROJECT**

**PACKAGE 6, SUMBERJAYA - PALIMANAN (STA. 193+300 - STA. 208+103.73)  
(SECTION 6)**



XXXXXXXXXXXXXXXXXXXX

**SCOPE OF WORK : ROCK EXCAVATION AT BUKIT SALAM (STA. 201+700 - STA. 202+300)**

ITEM	DESCRIPTION	CONTRACT				
		UNIT	QTY	Price (Rp.)	Amount (Rp.)	Weight (%)
<b>1</b>	<b>GENERAL ITEMS</b>					
1.1.	Remaining Mobilization Work.	Ls	1.00	250,000,000.00	250,000,000.00	0.592
a	Initial cost (20%)					
b	Recurring cost (70%)					
c	Final cost (10%)					
1.2.	Maintenance and Protection of Traffic (Temporary Road).	Ls	1.00	175,000,000.00	175,000,000.00	0.414
1.3.	Permit from Authorities Preparation and approval of all permits necessary for the works include Permit P3 (ownership, storage, and stockpiling) from police departement and Permit P2 (purchase and use) as well as interfesing permission, royalty or any other related cost incurred due to permit required inclusive any socialisation costs incurred for completion of the works.	Ls	1.00	150,000,000.00	150,000,000.00	0.355
1.4.	Performance Bond	Ls	1.00	225,000,000.00	225,000,000.00	0.532
1.5.	Provide insurance of machinerries, equipment and works (blasting)	Ls	1.00	145,000,000.00	145,000,000.00	0.343
1.6.	Preparation and submission of Work Programme, Monthly Report and daily productivity based on rock excavated. To include all trial blasting, testing, submission all material for approval. Provide weighbridge if required.	Ls	1.00	25,000,000.00	25,000,000.00	0.059
1.7.	Seeting out and survey works for execution of works.	Ls	1.00	10,000,000.00	10,000,000.00	0.024
1.8.	Preparation of as-built drawings and other cross sections for approval.	Ls	1.00	10,000,000.00	10,000,000.00	0.024
	<b>Total To Summary</b>				<b>990,000,000.00</b>	<b>2.343</b>



<b>2</b>	<b>EXCAVATION WORKS</b>					
2.1.	Common earth material excavation (including overburden) and transport excavated material to disposal area.	M3	180,000.00	25,500.00	4,590,000,000.00	10.863
<b>3</b>	<b>DRILLING AND BLASTING WORKS (INCLUSIVE OF BOULDERS)</b>					
3.1.	Preparation and execution of drilling and blasting work as specified in method of statement and main contract specification.	M3	420,000.00	35,000.00	14,700,000,000.00	34.789
<b>4</b>	<b>LOADING AND TRANSPORT FOR DISPOSAL</b>					
4.1.	Load, muck of blasted rocks (oversize rocks to carry out secondary blasting or break by drop hammer etc.) and transport by lorries to dispose.	M3	420,000.00	50,000.00	21,000,000,000.00	49.698
<b>5</b>	<b>TRIMMING OR FINISH ROCK SLOPE AFTER EXPLOSION</b>					
5.1.	Cut to line and profile of final rock slope as per approved cross section. (pre-splitting)	M3	30,000.00	32,500.00	975,000,000.00	2.307
	<b>Total To Summary</b>				<b>41,265,000,000.00</b>	<b>97.657</b>
	<b>GRAND TOTAL</b>				<b>42,255,000,000.00</b>	<b>100.000</b>

# PT. KG-NRC CONSORTIUM



## KG - NRC CONSORTIUM

**CIKAMPEK - PALIMANAN TOLL ROAD PROJECT  
SECTION VI B, SUMBERJAYA - PALIMANAN  
Sta. 200+950 - Sta. 208+103.73**

EMPLOYER	: PT. LINTAS MARGA SEDAYA
PROJECT MANAGEMENT	: OPUS - PROSYS JOINT OPERATION
SUPERVISION CONSULTANT	: PT. JAYA CM-MPB-EMK-MCI
CONTRACTOR	: KG-NRC CONSORTIUM
SUB - CONTRACTOR	: PT. PP (Persero) Tbk.

**WEEKLY REPORT NO. 41  
03/02/2014 - 09/02/2014**



CONSTRUCTION & INVESTMENT

Province : West java  
 Employer : PT. Lintas Marga Sedaya  
 Project Management : Opus - Prosys Consortium  
 Consultant Supervision : PT. JAYA CM in corporation with  
 : PT. EMEKON PRAKASITA, PT. MULTHI PHI BETHA, and PT. MITRAPACIPIC CONSULINDO INTERNATIONAL  
 Contractor : KG-NRC Consortium  
 Period : 03/02/2014 -09/02/2014  
 LOA : KG-NRC/CPTR/HQ-CD/LOA/PP/ZONE 6B/015-2013

Section	Description	Progress Of Work							
		CONTRACT		Last Month		This Month		Until This Month	
		Total Amount ( Rp.)	Weightage (%)	Total Amount ( Rp.)	Weightage (%)	Total Amount ( Rp.)	Weightage (%)	Total Amount ( Rp.)	Weightage (%)
1	General	9,988,421,700	1.789	4,322,927,469	0.774	4,205,290	0.001	4,327,132,759	0.775
2	Site Clearing	2,419,905,669	0.433	2,226,785,346	0.399	-	-	2,226,785,346	0.399
3	Demolition	154,787,500	0.028	142,434,700	0.026	-	-	142,434,700	0.026
4	Road Earthwork	117,298,729,722	21.006	13,738,300,923	2.466	-	-	13,768,300,923	2.466
5	Structure Excavation	2,697,126,468	0.483	1,256,310,366	0.225	-	-	1,256,310,366	0.225
6	Drainage	14,704,803,411	2.633	3,328,076,209	0.596	108,837,679	0.019	3,436,913,888	0.615
7	Subgrade	509,977,469	0.091	-	-	-	-	-	-
8	Sub Base And Base Course	24,355,223,358	4.362	-	-	-	-	-	-
9	Pavement	101,243,900,242	18.131	-	-	-	-	-	-
10	Concrete Structure	168,166,094,727	30.116	41,572,849,749	7.445	1,011,165,402	0.181	42,584,015,151	7.626
11	Structural Steel Work	-	-	-	-	-	-	-	-
12	Miscellaneous	21,272,997,603	3.810	-	-	-	-	-	-
13	Landscaping Works	-	-	-	-	-	-	-	-
14	Dayworks	-	-	-	-	-	-	-	-
15	Utilities	-	-	-	-	-	-	-	-
16	Toll Gates And Facilities	-	-	-	-	-	-	-	-
17	Diversion And Protection of Existing U'l.	-	-	-	-	-	-	-	-
18	Toll Plaza Facilities	-	-	-	-	-	-	-	-
19	Branch Office And Supporting Buildings	-	-	-	-	-	-	-	-
	GRANULAR MATERIAL	42,250,000,000	7.566	19,064,843,375	3.557	-	-	19,864,843,375	3.557
	ROCK EXCAVATION	53,332,530,000	9.551	2,733,848,079	0.490	2,643,025,803	0.473	5,376,873,883	0.963
<b>Total</b>		<b>558,394,847,869.00</b>	<b>100.00</b>	<b>89,216,376,217</b>	<b>15.977</b>	<b>3,767,234,174</b>	<b>0.675</b>	<b>92,983,610,391</b>	<b>16.652</b>

Additional work									
a.	Value Of The Work			89,216,376,217		3,767,234,174		92,983,610,391	
b.	Reduced								
1.	Advance Refund								
2.	Retention			8,921,637,322		376,723,417		9,298,361,039	
3.	Other								
	Total Reduced								
c.	Total								
	The Current Of Rounded			80,294,738,595		3,390,510,756		83,685,249,352	
d.	PPN 10 %			8,029,473,860		339,051,076		8,368,524,935	
Amount of Payment This Certificate Include PPN 10 %				88,324,212,455		3,729,561,832		92,053,774,287	

be Calculated : "-"

<b>PROGRESS</b> 	► This Certificate	0.675 %
	► Prev Certificate	15.977 %
	► Until This Certificate	16.652 %

Main - Contractor  
 KG-NRC Consortium



**IRZANDACH**  
 Construction Manager

Sub-Contractor  
 PT. PP (Persero) Tbk



**HAMZAH GUNAWIJAYA**

ITEM	DESCRIPTION	UNIT	SECTION 6 SUMBERJAYA - PALIMANAN			LAST MONTH			THIS MONTH			UNTIL THIS MONTH				
			QTY	Amount	WEIGHT	QTY	Amount	WEIGHT	QTY	Amount	WEIGHT	QTY	Amount	WEIGHT		
6	<b>DRAINAGE</b>															
6.1	Pipe culvert - BQ item 6.05(3), 6.05(4), 6.05(7) to 6.05(10), 6.05(12) & 6.05(13)	lin.m	855.00	7,444,497,022.00	1.333%	557.75	3,114,934,363.94	0.558%	12.50	108,837,678.68	0.019%	370.25	3,223,772,042.63	0.577%		
6.2	U-ditch - BQ item 6.06(1), 6.06(3) to 6.06(11) to 6.06(13)	lin.m	25,072.14	5,608,484,640.00	1.004%	-	-	0.000%	-	-	0.000%	-	-	0.000%		
6.3	Catchbasin - BQ item 6.06(15), 6.06(23), 6.06(25)	no	14.00	127,454,547.00	0.023%	-	-	0.000%	-	-	0.000%	-	-	0.000%		
6.4	Sub-soil drain - BQ item 6.07(1) to 6.07(3)	lin.m	1,346.00	1,257,631,931.00	0.225%	177.74	166,070,950.53	0.030%	-	-	0.000%	177.74	166,070,950.53	0.030%		
6.5	Inlet/Outlet drain - BQ item 6.07 (4) to 6.07(7)	no	34.00	266,755,071.00	0.048%	6.00	47,070,894.88	0.008%	-	-	0.000%	6.00	47,070,894.88	0.008%		
<b>Total To Summary</b>				<b>14,704,803,410.00</b>	<b>2.633%</b>		<b>3,328,076,209.36</b>	<b>0.596%</b>		<b>108,837,678.68</b>	<b>0.019%</b>		<b>3,436,913,888.04</b>	<b>0.615%</b>		
7	<b>SUBGRADE</b>															
7.1	Subgrade Preparation - BQ item 7.01	lin.m	7,013.73	509,977,469.00	0.091%	-	-	0.000%	-	-	0.000%	-	-	0.000%		
7.2	Stabilization by Lime Stone - BQ item 7.03(1)	Prov Sum	Rate Only	-	0.000%	-	-	0.000%	-	-	0.000%	-	-	0.000%		
<b>Total To Summary</b>				<b>509,977,469.00</b>	<b>0.081%</b>		<b>-</b>	<b>0.000%</b>		<b>-</b>	<b>0.000%</b>		<b>-</b>	<b>0.000%</b>		
8	<b>SUBBASE AND ROAD BASE</b>															
8.1	Subbase - BQ item 8.01	sq.m	45,102.02	4,757,508,376.00	0.852%	-	-	0.000%	-	-	0.000%	-	-	0.000%		
8.2	Roadbase - BQ item 8.02(1)	sq.m	264,625.99	19,597,715,030.00	3.510%	-	-	0.000%	-	-	0.000%	-	-	0.000%		
<b>Total To Summary</b>				<b>24,356,223,368.00</b>	<b>4.362%</b>		<b>-</b>	<b>0.000%</b>		<b>-</b>	<b>0.000%</b>		<b>-</b>	<b>0.000%</b>		
9	<b>PAVEMENTS</b>															
9.1	Flexible pavement at (bridge & approach road) - BQ item 9.04(1), 9.04(2), 9.07(1) to 9.07(4)	sq.m	83,816.38	30,870,139,761.00	5.528%	-	-	0.000%	-	-	0.000%	-	-	0.000%		
9.2	Concrete Pavement - BQ item 9.08(1) to 9.08(3)b	sq.m	148,106.46	58,583,553,309.00	10.491%	-	-	0.000%	-	-	0.000%	-	-	0.000%		
9.3	Lean Concrete - BQ item 9.09	sq.m	151,839.70	11,790,237,172.00	2.111%	-	-	0.000%	-	-	0.000%	-	-	0.000%		
<b>Total To Summary</b>				<b>101,243,900,242.00</b>	<b>18.131%</b>		<b>-</b>	<b>0.000%</b>		<b>-</b>	<b>0.000%</b>		<b>-</b>	<b>0.000%</b>		
10	<b>CONCRETE STRUCTURE</b>															
10.1	<b>Underbridges</b>															
10.1.5	<b>UB-2011 Sta 201+190 (Ciwaringin River)</b>															
a	Piling - BQ item 10.05(1) to 10.05(8)a, 10.05(10) to 10.05(12), 10.07(1) to 10.08 (Prov Sum)	m'	1,984.00	6,467,840,000.00	1.158%	1,984.00	6,467,840,000.00	1.158%	-	-	0.000%	1,984.00	6,467,840,000.00	1.158%		
b	Loading Test (MLT) for Cast-in-place Concrete Pile, 100 cm in diameter (Prov Sum)	no	1.00	150,000,000.00	0.027%	-	-	0.000%	-	-	0.000%	-	-	0.000%		
c	Test Drilling (Prov Sump)	m'	1.00	15,000,000.00	0.003%	-	-	0.000%	-	-	0.000%	-	-	0.000%		
d	Pile cap - BQ item 10.01(9) 10.01(12) & 10.02	no	2.00	3,153,844,202.61	0.565%	-	-	0.000%	-	-	0.000%	-	-	0.000%		
e	Abutment, pier & crosshead - BQ item 10.01(9), 10.01 (12), 10.01(5) 10.01(12) & 10.02	no	8.00	6,129,979,257.63	1.038%	-	-	0.000%	-	-	0.000%	-	-	0.000%		
f	Supply of precast beam - BQ item 10.03(21) to 10.03(22)	no	28.00	7,618,046,785.14	1.364%	-	-	0.000%	-	-	0.000%	-	-	0.000%		
g	Beam launching beam & bearing pad - BQ item 10.11(1) to 10.11(3)	no	4.00	1,665,776,675.10	0.298%	-	-	0.000%	-	-	0.000%	-	-	0.000%		
h	Deck slab & parapet - BQ item 10.01(4), 10.02, 10.12(1) to 10.12(3)	lin.m	140.00	3,153,844,202.61	0.565%	-	-	0.000%	-	-	0.000%	-	-	0.000%		
i	Wing-wall - BQ item 10.01(9)	no	8.00	1,665,776,675.10	0.298%	-	-	0.000%	-	-	0.000%	-	-	0.000%		
<b>Total To Collection</b>				<b>30,020,107,798.20</b>	<b>6.378%</b>		<b>6,467,840,000.00</b>	<b>1.158%</b>		<b>-</b>	<b>0.000%</b>		<b>6,467,840,000.00</b>	<b>1.158%</b>		
10.1.6	<b>UB-2029 Sta 202+962</b>															
a	Piling - BQ item 10.05(1) to 10.05(8)a, 10.05(10) to 10.05(12), 10.07(1) to 10.08 (Prov Sum)	m'	1,680.00	5,476,800,000.00	0.981%	1,680.00	5,476,800,000.00	0.981%	-	-	0.000%	1,680.00	5,476,800,000.00	0.981%		
b	Loading Test (MLT) for Cast-in-place Concrete Pile, 100 cm in diameter (Prov Sum)	no	1.00	150,000,000.00	0.027%	1.00	150,000,000.00	0.027%	-	-	0.000%	1.00	150,000,000.00	0.027%		
c	Test Drilling (Prov Sump)	m'	1.00	15,000,000.00	0.003%	17.00	255,000,000.00	0.046%	-	-	0.000%	17.00	255,000,000.00	0.046%		
d	Pile cap - BQ item 10.01(a) & 10.02	no	-	-	0.000%	-	-	0.000%	-	-	0.000%	-	-	0.000%		
e	Abutment, pier & crosshead - BQ item 10.01(9), 10.01(5) & 10.02	no	4.00	5,673,515,124.53	1.016%	-	-	0.000%	-	-	0.000%	-	-	0.000%		
f	Supply of precast beam - BQ item 10.03(21) to 10.03(22)	no	14.00	6,925,006,482.41	1.240%	3.00	4,255,136,343.40	0.762%	-	-	0.000%	3.00	4,255,136,343.40	0.762%		
g	Beam launching beam & bearing pad - BQ item 10.03 (1) to 10.03(7), 10.11(1) to 10.11(3)	no	2.00	1,919,041,050.90	0.344%	-	-	0.000%	-	-	0.000%	-	-	0.000%		
h	Deck slab & parapet - BQ item 10.01(4), 10.02, 10.12(1) to 10.12(3), 10.9(1) to 10.9(2)	lin.m	40.00	3,170,537,408.78	0.568%	-	-	0.000%	-	-	0.000%	-	-	0.000%		
i	Wing-wall - BQ item 10.01(9)	no	8.00	1,919,041,050.90	0.344%	-	-	0.000%	-	-	0.000%	-	-	0.000%		
<b>Total To Collection</b>				<b>28,248,936,117.52</b>	<b>4.622%</b>		<b>10,136,936,343.40</b>	<b>1.815%</b>		<b>-</b>	<b>0.000%</b>		<b>10,136,936,343.40</b>	<b>1.815%</b>		

ITEM	DESCRIPTION	UNIT	SECTION 6 SUMBERJAYA - PALIMANAN			LAST MONTH			THIS MONTH			UNTIL THIS MONTH		
			QTY	Amount	WEIGHT	QTY	Amount	WEIGHT	QTY	Amount	WEIGHT	QTY	Amount	WEIGHT
10.1.7	<b>UB-2059 Sta 205+991 ( Winong River)</b>													
a	Piling - BQ Item 10.05(1) to 10.05(8)a, 10.05(10) to 10.05(12), 10.07(1) to 10.08 (Prov Sum)	m'	1,344.00	4,381,440,000.00	0.785%	1,344.00	4,381,440,000.00	0.785%	-	-	-	1,344.00	4,381,440,000.00	0.785%
b	Loading Test (MLT) for Cast-in-place Concrete Pile, 100 cm in diameter (Prov Sum)	no	1.00	150,000,000.00	0.027%	1.00	150,000,000.00	0.027%	-	-	-	1.00	150,000,000.00	0.027%
c	Test Drilling (Prov Sump)	m'	1.00	15,000,000.00	0.003%	-	-	0.000%	-	-	-	-	-	0.000%
d	Pile cap - BQ Item 10.01(a) & 10.02	no	-	-	0.000%	-	-	0.000%	-	-	-	-	-	0.000%
e	Abutment, pier & crosshead - BQ Item 10.01(9), 10.01(5) & 10.02	no	4.00	4,232,250,152.51	0.778%	-	-	0.000%	-	-	-	-	-	0.000%
f	Supply of precast beam - BQ Item 10.03(1) to 10.03(17)	no	14.00	5,177,913,740.22	0.927%	-	-	0.000%	-	-	-	-	-	0.000%
g	Beam launching beam & bearing pad - BQ Item 10.03(1) to 10.03(7), 10.11(1) to 10.11(3)	no	2.00	1,395,323,548.58	0.250%	-	-	0.000%	-	-	-	-	-	0.000%
h	Deck slab & parapet - BQ Item 10.01(4), 10.02, 10.12(1) to 10.12(3), 10.9(1) to 10.9(2)	lin.m	30.00	2,340,971,096.49	0.419%	-	-	0.000%	-	-	-	-	-	0.000%
i	Wing-wall - BQ Item 10.01(9)	no	8.00	1,395,323,548.58	0.250%	-	-	0.000%	-	-	-	-	-	0.000%
	<b>Total To Collection</b>			<b>18,088,238,128.20</b>	<b>3.418%</b>		<b>4,531,440,000.00</b>	<b>0.812%</b>		<b>0.000%</b>			<b>4,531,440,000.00</b>	<b>0.812%</b>
10.1.8	<b>UB-9300 Sta 9+300 (Palimanan On/Off)</b>													
a	Piling - BQ Item 10.05(1) to 10.05(8)a, 10.05(10) to 10.05(12), 10.07(1) to 10.08 (Prov Sum)	m'	900.00	2,385,000,000.00	0.427%	-	-	0.000%	-	-	-	-	-	0.000%
b	Loading Test (MLT) for Cast-in-place Concrete Pile, 100 cm in diameter (Prov Sum)	no	1.00	150,000,000.00	0.027%	-	-	0.000%	-	-	-	-	-	0.000%
c	Test Drilling (Prov Sump)	m'	-	-	0.000%	-	-	0.000%	-	-	-	-	-	0.000%
d	Abutment, pier & crosshead - BQ Item 10.01(9), 10.01(5) & 10.02	no	2.00	1,924,650,723.03	0.345%	-	-	0.000%	-	-	-	-	-	0.000%
e	Supply of precast beam - BQ Item 10.03(1) to 10.03(17)	no	9.00	2,371,627,131.74	0.425%	-	-	0.000%	-	-	-	-	-	0.000%
f	Beam launching beam & bearing pad - BQ Item 10.03(1) to 10.03(7), 10.11(1) to 10.11(3)	no	9.00	583,721,451.90	0.105%	-	-	0.000%	-	-	-	-	-	0.000%
g	Deck slab & parapet - BQ Item 10.01(4), 10.02, 10.12(1) to 10.12(3), 10.9(1) to 10.9(2)	lin.m	25.00	1,030,897,880.61	0.185%	-	-	0.000%	-	-	-	-	-	0.000%
h	Wing-wall - BQ Item 10.01(9)	no	4.00	583,721,456.90	0.105%	-	-	0.000%	-	-	-	-	-	0.000%
	<b>Total To Collection</b>			<b>8,628,418,874.18</b>	<b>1.617%</b>			<b>0.000%</b>		<b>0.000%</b>				<b>0.000%</b>
10.1.9	<b>UB-10700 Sta 10+700 (Palimanan On/Off)</b>													
a	Piling - BQ Item 10.05(1) to 10.05(8)a, 10.05(10) to 10.05(12), 10.07(1) to 10.08 (Prov Sum)	m'	900.00	2,385,000,000.00	0.427%	-	-	0.000%	-	-	-	-	-	0.000%
b	Loading Test (MLT) for Cast-in-place Concrete Pile, 100 cm in diameter (Prov Sum)	no	1.00	150,000,000.00	0.027%	-	-	0.000%	-	-	-	-	-	0.000%
c	Test Drilling (Prov Sump)	m'	-	-	0.000%	-	-	0.000%	-	-	-	-	-	0.000%
d	Abutment, pier & crosshead - BQ Item 10.01(9), 10.01(5) & 10.02	no	2.00	1,969,507,887.56	0.353%	-	-	0.000%	-	-	-	-	-	0.000%
e	Supply of precast beam - BQ Item 10.03(1) to 10.03(17)	no	9.00	2,424,791,193.02	0.434%	-	-	0.000%	-	-	-	-	-	0.000%
f	Beam launching beam & bearing pad - BQ Item 10.03(1) to 10.03(7), 10.11(1) to 10.11(3)	no	9.00	603,657,972.38	0.108%	-	-	0.000%	-	-	-	-	-	0.000%
g	Deck slab & parapet - BQ Item 10.01(4), 10.02, 10.12(1) to 10.12(3), 10.9(1) to 10.9(2)	lin.m	25.00	1,058,941,277.54	0.190%	-	-	0.000%	-	-	-	-	-	0.000%
h	Wing-wall - BQ Item 10.01(9)	no	4.00	603,657,972.38	0.108%	-	-	0.000%	-	-	-	-	-	0.000%
	<b>Total To Collection</b>			<b>8,196,668,303.20</b>	<b>1.647%</b>			<b>0.000%</b>		<b>0.000%</b>				<b>0.000%</b>
10.2	<b>Overbridges</b>													
10.2.6	<b>National Road Sta 201+004 (OB Bandung-Cirebon)</b>													
a	Piling - BQ Item 10.05(1) to 10.05(8)a, 10.05(10) to 10.05(12), 10.07(1) to 10.08 (Prov Sum)	m'	3,330.00	1,918,955,790.00	0.344%	1,404.00	809,073,252.00	0.145%	-	-	-	1,404.00	809,073,252.00	0.145%
b	Furnish and Drive Pretensioned Spun Concrete Pile, test pile, outside diameter 50 cm	Ls	1.00	7,806,000.00	0.001%	-	-	0.000%	-	-	-	-	-	0.000%
c	Pile Testing (PDA) (Prov. Sump)	m'	2.00	14,000,000.00	0.003%	-	-	0.000%	-	-	-	-	-	0.000%
d	Pile cap - BQ Item 10.01(a) & 10.02	no	3.00	744,521,041.93	0.133%	-	-	0.000%	-	-	-	-	-	0.000%
e	Abutment, pier & crosshead - BQ Item 10.01(9), 10.01(5) & 10.02	no	8.00	1,498,390,223.29	0.268%	-	-	0.000%	-	-	-	-	-	0.000%
f	Supply of precast beam - BQ Item 10.03(1) to 10.03(17)	no	28.00	1,875,324,813.97	0.336%	-	-	0.000%	-	-	-	-	-	0.000%
g	Beam launching beam & bearing pad - BQ Item 10.03(1) to 10.03(7), 10.11(1) to 10.11(3)	no	2.00	367,586,451.25	0.066%	-	-	0.000%	-	-	-	-	-	0.000%
h	Deck slab & parapet - BQ Item 10.01(4), 10.02, 10.12(1) to 10.12(3), 10.9(1) to 10.9(2)	lin.m	70.00	744,521,041.93	0.133%	-	-	0.000%	-	-	-	-	-	0.000%
i	Wing-wall - BQ Item 10.01(9)	no	4.00	367,586,451.25	0.066%	-	-	0.000%	-	-	-	-	-	0.000%
	<b>Total To Collection</b>			<b>7,538,891,813.62</b>	<b>1.310%</b>		<b>809,073,252.00</b>	<b>0.145%</b>		<b>0.000%</b>			<b>809,073,252.00</b>	<b>0.145%</b>