

# BILL OF QUANTITIES

# SUMMARY OF BILL OF QUANTITIES

## UPGRADING INTER-URBAN HIGHWAY SYSTEM ALONG THE PAN-PHILIPPINE HIGHWAY PROJECT

### PLARIDEL BYPASS (STA. 47 + 400.00 - STA. 49 + 625.00) CONTRACT PACKAGE NO. III

PART ITEM	DESCRIPTION	AMOUNT	PERCENT WEIGHT
PART A	FACILITIES FOR THE ENGINEER		
PART C	EARTHWORKS		
PART D	SUBBASE AND BASE COURSE		
PART E	SURFACE COURSE		
PART F	BRIDGE CONSTRUCTION		
PART G	DRAINAGE AND SLOPE PROTECTION STRUCTURES		
PART H	MISCELLANEOUS STRUCTURES		
<b>1</b>	<b><i>SUB-TOTAL (PART A TO H)</i></b>		
PART J	MOBILIZATION and DEMOBILIZATION		
PART K	PROVISIONAL SUM		
<b>2</b>	<b><i>SUB-TOTAL (PART J &amp; K)</i></b>		
	<b><i>GRAND TOTAL (1 + 2)</i></b>		

Note: Bidder must fill up this Summary of the Bill of Quantities

Dated this \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_

Signature: \_\_\_\_\_

Printed Name: \_\_\_\_\_

In the capacity of: \_\_\_\_\_

Duly authorized to sign for and in behalf of: \_\_\_\_\_

UPGRADING INTER-URBAN HIGHWAY SYSTEM ALONG THE PAN-PHILIPPINE HIGHWAY PROJECT  
 PLARIDEL BYPASS  
 CONTRACT PACKAGE NO. III

BILL OF QUANTITIES

PART A  
 FACILITIES FOR THE ENGINEER

PAY ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE (Pesos)	AMOUNT (Pesos)
A(1)a	Facilities for the Engineer (Provision of Combined Field Office, Laboratory Bldg. and Engr's. Quarter (Pesos _____ _____ and _____ Centavos per Lump Sum)	Lump Sum	1.00		
A(1)b	Facilities for the Engineer (Maintenance of Field Office, Lab Bldg. & Engr's Qtr. (Pesos _____ _____ and _____ Centavos per month)	Mo.	36.00		
A(1)c	Facilities for the Engineer (Provision of Furnitures and Fixtures for the Field Office/Laboratory Bldg. and Engr's Quarter) (Pesos _____ _____ and _____ Centavos per lump sum)	Lump Sum	1.00		
A(1)d	Facilities for the Engineer (Provision of Equipment and Appliances for the Field Office, Laboratory Bldg. and Engr's.) Quarter) (Pesos _____ _____ and _____ Centavos per lump sum)	Lump Sum	1.00		
A(1)e	Facilities for the Engineer (Provision of Office Supplies and Consumable Stores (Pesos _____ _____ and _____ Centavos per month)	Mo.	36.00		
Sub-total for this Page					

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PART A  
 FACILITIES FOR THE ENGINEER

PAY ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE (Pesos)	AMOUNT (Pesos)
A(1)f	Facilities for the Engineer (Provide/Operate / Maintain Communication Equipments for the Engineer) (Pesos _____ and _____ Centavos per month)	Mo	36.00		
A(2)a	Facilities for the Engineer (Rental of one (1) service vehicle - car (sedan) (Operation and Maintenance included) (Pesos _____ and _____ Centavos per vehicle month)	veh-mo	36.00		
A(2)b	Facilities for the Engineer (Rental of two (2) service vehicles - wagon (Operation and Maintenance included) (Pesos _____ and _____ Centavos per vehicle month)	veh-mo	72.00		
A(2)c	Facilities for the Engineer (Rental of three (3) service vehicles-pick - ups, (Operation and Maintenance included) (Pesos _____ and _____ Centavos per vehicle month)	veh-mo	108.00		
A(3)a	Facilities for the Engineer (Provision of Testing Equipments, Apparatus and Publications) (Pesos _____ and _____ Centavos per lump sum)	lump sum	1.00		
Sub-total for this Page					

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PART A  
 FACILITIES FOR THE ENGINEER

PAY ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE (Pesos)	AMOUNT (Pesos)
A(4)	Facilities for the Engineer (Progress Photographs) (Pesos _____ and _____ Centavos each)	each	1,500.00		
Sub-total for this Page					
TOTAL FOR PART A					

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PART C  
 EARTHWORKS

PAY ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE (Pesos)	AMOUNT (Pesos)
100(1)	Clearing and Grubbing (Pesos _____ and _____ Centavos per hectare)	ha.	5.00		
100(3)	Individual Removal of Trees, Small (150mm to 900mm diameter) (Pesos _____ and _____ Centavos each)	each	45.00		
100(4)	Individual Removal of Trees, Large (Over 900mm diameter) (Pesos _____ and _____ Centavos each)	each	7.00		
101(1)	Removal of Structures and Obstruction (Pesos _____ and _____ Centavos per lump sum)	l.s.	1.00		
101(2)	Removal of Existing Bridge (Pesos _____ and _____ Centavos each)	each	1.00		
101(3)a	Removal of Existing PCC Pavement (Pesos _____ and _____ Centavos per square meter)	sq.m.	763.00		
Sub-total for this Page					

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PART C  
 EARTHWORKS

PAY ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE (Pesos)	AMOUNT (Pesos)
102(1)	Unsuitable Excavation (Pesos _____ and _____ Centavos per cubic meter)	cu.m.	7,684.00		
103(1)	Structure Excavation (Pesos _____ and _____ Centavos per cubic meter)	cu.m.	3,159.00		
103(2)a	Bridge Excavation, Common, Above O.W.L. (Pesos _____ and _____ Centavos per cubic meter)	cu.m.	5,679.00		
103(2)b	Bridge Excavation, Common Below O.W.L. (Pesos _____ and _____ Centavos per cubic meter)	cu.m.	10,717.00		
103(3)a	Gravel Foundation Fill (Pesos _____ and _____ Centavos per cubic meter)	cu.m.	144.00		
103(6)	Pipe Culverts and Drain Excavation (Pesos _____ and _____ Centavos per cubic meter)	cu.m.	210.00		
103(7)	Granular Backfill for Pipe Culvert (Pesos _____ and _____ Centavos per cubic meter)	cu.m.	117.00		
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PART C  
 EARTHWORKS

PAY ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE (Pesos)	AMOUNT (Pesos)
104(1)	Embankment (From Roadway Excavation) (Pesos _____ and _____ Centavos per cubic meter)	cu.m.	290.00		
104(3)a	Embankment (From Borrow Excavation) (Pesos _____ and _____ Centavos per cubic meter)	cu.m.	70,506.00		
104(3)b	Embankment (from Borrow Excavation for Bridges) (Selected Granular Materials) (Pesos _____ and _____ Centavos per cubic meter)	cu.m.	1,584.00		
105(1)	Subgrade Preparation (Common Materials) (Pesos _____ and _____ Centavos per square meter)	sq.m.	751.00		
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TOTAL FOR PART C					

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PART D  
 SUBBASE AND BASE COURSE

PAY ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE (Pesos)	AMOUNT (Pesos)
200(1)	Aggregate Subbase Course (Pesos _____ and _____ Centavos per cubic meter)	cu.m.	6,048.00		
201(1)	Aggregate Base Course (Pesos _____ and _____ Centavos per cubic meter)	cu.m.	2,045.00		
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PART E  
 SURFACE COURSE

PAY ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE (Pesos)	AMOUNT (Pesos)
300(1)	Gravel Surface Course (Pesos _____ and _____ Centavos per cubic meter)	cu.m.	1,161.00		
310 (2)	Asphalt Mixture Wearing Course (t = 50mm, including Tack Coat) (Pesos _____ and _____ Centavos per square meter)	sq.m.	9,335.00		
311(1)a	PCC Pavement (Plain, 280mm Thick) (Pesos _____ and _____ Centavos per square meter)	sq.m.	9,329.00		
311(1)b	PCC Pavement (Plain, 250mm Thick) (Pesos _____ and _____ Centavos per square meter)	sq.m.	3,344.00		
311(1)c	PCC Pavement (Plain, 230mm Thick) (Pesos _____ and _____ Centavos per square meter)	sq.m.	962.00		
311(2)	PCC Pavement (Reinforced, 300mm Thick) (Pesos _____ and _____ Centavos per square meter)	sq.m.	290.00		
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<b>TOTAL FOR PART E</b>					

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PART F  
 BRIDGE CONSTRUCTION

PAY ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE (Pesos)	AMOUNT (Pesos)
400(4)b	Precast Concrete Piles, Furnished (450mm x 450mm) (Pesos _____) and _____ Centavos per linear meter)	l.m.	748.00		
400(13)b	Precast Concrete Piles, Driven (450mm x 450mm) (Pesos _____) and _____ Centavos per linear meter)	l.m.	690.00		
400(15)b	Test Pile, Furnished and Driven (450mm x 450mm) (Pesos _____) and _____ Centavos per linear meter)	l.m.	37.00		
400(16)a	Concrete Piles Cast in Drilled Holes, 1000mm ø (Pesos _____) and _____ Centavos per linear meter)	l.m.	470.00		
400(16)b	Concrete Piles Cast in Drilled Holes, 1200mm ø (Pesos _____) and _____ Centavos per linear meter)	l.m.	2,568.00		
400(16)c	Concrete Piles Cast in Drilled Holes, 1500mm ø (Pesos _____) and _____ Centavos per linear meter)	l.m.	1,188.00		
400(19)b	Pile Shoes (450mm x 450mm) (Pesos _____) and _____ Centavos each)	each	48.00		
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PAY ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE (Pesos)	AMOUNT (Pesos)
400(21)	Static Pile Load Test (for 1500mm Bored Piles) (Pesos _____ and _____ Centavos each)	each	2.00		
SPL 400(23)a	High Strain Dynamic Test for ø1000mm Bored Piles (Pesos _____ and _____ Centavos each)	each	1.00		
SPL 400(23)b	High Strain Dynamic Test for ø1200mm Bored Piles (Pesos _____ and _____ Centavos each)	each	3.00		
SPL 400(24)	Pile Integrity Test for Bored Pile of Various Diameter (Pesos _____ and _____ Centavos each)	each	73.00		
401(1)	Concrete Railing and Post (Pesos _____ and _____ Centavos per linear meter)	I.m.	80.00		
401(2)a	Steel Railing, Type A (Pesos _____ and _____ Centavos per linear meter)	I.m.	2,241.00		
401(3)a	Bridge Name Plate, 1000mm x 600mm (Pesos _____ and _____ Centavos per linear meter)	I.m.	2.00		
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PART F  
 BRIDGE CONSTRUCTION

PAY ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE (Pesos)	AMOUNT (Pesos)
404(1)	Reinforcing Steel, Grade 40 (Pesos _____ and _____ Centavos per kilogram)	kg	1,033,029.00		
404(2)	Reinforcing Steel, Grade 60 (Pesos _____ and _____ Centavos per kilogram)	kg	2,459,785.00		
405(1)a	Structural Concrete, Class "A" (fc' = 21 Mpa, For Heavily Reinforced Structure) (Pesos _____ and _____ Centavos per cubic meter)	cu.m.	1,218.00		
405(1)b	Structural Concrete, Class "A" (fc' = 21 Mpa) (For small & medium bridges substructure) (Pesos _____ and _____ Centavos per cubic meter)	cu.m.	224.00		
405(1)d	Structural Concrete, Class "A1" (For small & medium bridges superstructure) (Pesos _____ and _____ Centavos per cubic meter)	cu.m.	131.00		
405(1)e	Structural Concrete, Class "AA1" (fc' = 28 Mpa) For long Bridge Substructure (Pesos _____ and _____ Centavos per cubic meter)	cu.m.	8,170.00		
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PART F  
 BRIDGE CONSTRUCTION

PAY ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE (Pesos)	AMOUNT (Pesos)
405(1)f	Structural Concrete, Class "AA2" (fc' = 28 Mpa) For long Bridge Superstructure (Pesos _____ and _____ Centavos per cubic meter)	cu.m.	2,146.00		
405(2)	Structural Concrete, Class "B" (fc' = 17 Mpa) (For plain & lightly reinforced structure) (Pesos _____ and _____ Centavos per cubic meter)	cu.m.	94.00		
405(3)	Structural Concrete, Class "C" (fc' = 21MPa for Thinly Reinforced Member) (Pesos _____ and _____ Centavos per cubic meter)	cu.m.	1,022.00		
405(4)b	Structural Concrete, Class "PP" (Fc' = 41 Mpa) (For prestressed box girders) (Pesos _____ and _____ Centavos per cubic meter)	cu.m.	3,067.00		
405(6)	Lean Concrete (fc' = 17 Mpa) (Pesos _____ and _____ Centavos per cubic meter)	cu.m.	301.00		
406(1)g	Prestressed Structural Concrete Member (AASHTO Girder Type V, L=29.4m) (Pesos _____ and _____ Centavos each)	each	56.00		
Sub-total for this Page					

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 FLARIDEL BYPASS  
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PART F  
 BRIDGE CONSTRUCTION

PAY ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE (Pesos)	AMOUNT (Pesos)
406(1)h	Prestressed Structural Concrete Member (AASHTO Girder Type V, L=29.55m) (Pesos _____ and _____ Centavos each)	each	41.00		
406(1)n	Prestressed Structural Concrete Member (AASHTO Girder Type VI, L=40.0m) (Pesos _____ and _____ Centavos each)	each	5.00		
406(3)a	Prestressing Steel, 12 T - 12.7mm ø (Pesos _____ and _____ Centavos per kilogram)	kg.	147,713.00		
406(3)b	Prestressing Steel, 5 T - 12.7mm ø (Pesos _____ and _____ Centavos per kilogram)	kg.	29,030.00		
406(3)c	Prestressing Bar, ø32mm (PC Box Girder Transversal in Top Slab) (Pesos _____ and _____ Centavos per kilogram)	kg.	4,875.00		
406(3)c	Prestressing Bar, ø32mm (PC Box Girder in Vertical Webs) (Pesos _____ and _____ Centavos per kilogram)	kg.	5,714.00		
Sub-total for this Page					

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PART F  
 BRIDGE CONSTRUCTION

PAY ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE (Pesos)	AMOUNT (Pesos)
407(1)b	Elastomeric Bearing Pad (600mm x 300mm x 50mm, Duro 60) (Pesos _____ and _____ Centavos each)	each	194.00		
407(1)c	Elastomeric Bearing Pad (600mm x 350mm x 50mm, Duro 60) (Pesos _____ and _____ Centavos each)	each	10.00		
407(1)d	Elastomeric Bearing Pad (600mm x 700mm x 89mm, Duro 60) (Pesos _____ and _____ Centavos each)	each	4.00		
407(2)a	Expansion Joint, for <b>+40mm</b> Movement (Pesos _____ and _____ Centavos per linear meter)	l.m.	20.00		
407(2)c	Expansion Joint for <b>+50mm</b> Movement (Pesos _____ and _____ Centavos per linear meter)	l.m.	24.00		
407(2)d	Expansion Joint for <b>+70mm</b> Movement (Pesos _____ and _____ Centavos per linear meter)	l.m.	31.00		
407(2)e	Expansion Joint for <b>+100mm</b> Movement (Pesos _____ and _____ Centavos per linear meter)	l.m.	21.00		
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PART F  
 BRIDGE CONSTRUCTION

PAY ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE (Pesos)	AMOUNT (Pesos)
407(2)g	Expansion Joint, 30mm for bridge sidewalk (Pesos _____ and _____ Centavos per linear meter)	l.m.	4.00		
407(3)a	Restraining Bar, 32mm ø x 1495mm (Pesos _____ and _____ Centavos each)	each	14.00		
407(3)b	Restraining Bar, 32mm ø x 1900mm (Pesos _____ and _____ Centavos each)	each	18.00		
407(4)	G. I. Drain Pipe, 150mm ø (Pesos _____ and _____ Centavos per linear meter)	l.m.	474.00		
SPL 407(5)a	Pier Protection Concrete Blocks (For Angat Bridge) (Pesos _____ and _____ Centavos per square meter)	sq.m.	1,344.00		
SPL 420(2)a	Realignment of River/Stream (Pesos _____ and _____ Centavos per lump sum)	l.s.	1.00		
SPL 420(3)	Falseworks (PC Box Girder for Angat Bridge) (Pesos _____ and _____ Centavos per lump sum)	l.s.	1.00		
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PART F  
 BRIDGE CONSTRUCTION

PAY ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE (Pesos)	AMOUNT (Pesos)
SPL 420(4)	Temporary Craneway (For Angat Bridge) (Pesos _____ and _____ Centavos per linear meter)	I.m.	416.00		
SPL 420(5)	Temporary Access Road (Causeway) (For Angat Bridge Construction) (Pesos _____ and _____ Centavos per linear meter)	I.m.	710.00		
SPL 420(6)a	Temporary Cofferdam for Pier Construction (for Angat Bridge Type 1) (Pesos _____ and _____ Centavos each)	each	2.00		
SPL 420(6)b	Temporary Cofferdam for Pier Construction (for Angat Bridge Type 2) (Pesos _____ and _____ Centavos each)	each	6.00		
Sub-total for this Page					
TOTAL FOR PART F					

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PART G  
DRAINAGE & SLOPE PROTECTION STRUCTURES

PAY ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE (Pesos)	AMOUNT (Pesos)
500(1)c6	Reinforced Concrete Pipe Culvert (910 mm dia.), Class IV (Pesos _____ _____	l.m.	58.00		
	and _____ Centavos per linear meter)				
502(6)b	V-Shaped Concrete Lined Ditch (H = 500mm, 1:100) (Pesos _____ _____	l.m.	880.00		
	and _____ Centavos per linear meter)				
504(5)	Grouted Riprap, Class "A" (Pesos _____ _____	cu.m.	246.00		
	and _____ Centavos per cubic meter)				
505(1)	Stone Masonry (Pesos _____ _____	cu.m.	131.00		
	and _____ Centavos per cubic meter)				
506(1)	Hand Laid Rock Apron (Loose Boulder Apron) (Pesos _____ _____	cu.m.	119.00		
	and _____ Centavos per cubic meter)				
507(2)b	Steel Sheet Piles, Furnished and Driven (400mm x 85mm x 8mm) (Pesos _____ _____	l.m.	2,632.00		
	and _____ Centavos per linear meter)				
Sub-total for this Page					

Note: Bidder must fill up this section of the Bill of Quantities

Dated this \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_

Signature: \_\_\_\_\_

Printed Name: \_\_\_\_\_

In the capacity of: \_\_\_\_\_

Duly authorized to sign for and in behalf of: \_\_\_\_\_

UPGRADING INTER-URBAN HIGHWAY SYSTEM ALONG THE PAN-PHILIPPINE HIGHWAY PROJECT  
 PLARIDEL BYPASS  
 CONTRACT PACKAGE NO. III

**BILL OF QUANTITIES**

**PART G  
 DRAINAGE & SLOPE PROTECTION STRUCTURES**

PAY ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE (Pesos)	AMOUNT (Pesos)
509(1)	Gabions (Pesos _____ and _____ Centavos per cubic meter)	cu.m.	1,765.00		
509(2)	Mattress (T = 300mm) (Pesos _____ and _____ Centavos per cubic meter)	cu.m.	840.00		
509(3)	Filter Cloth (Pesos _____ and _____ Centavos per square meter)	sq.m.	12,600.00		
510(1)	Rubble Concrete Slope Protection (Pesos _____ and _____ Centavos per cubic meter)	cu.m.	1,063.00		
Sub-total for this Page					
<b>TOTAL FOR PART G</b>					

Note: Bidder must fill up this section of the Bill of Quantities

Dated this \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_

Signature: \_\_\_\_\_

Printed Name: \_\_\_\_\_

In the capacity of: \_\_\_\_\_

Duly authorized to sign for and in behalf of: \_\_\_\_\_

UPGRADING INTER-URBAN HIGHWAY SYSTEM ALONG THE PAN-PHILIPPINE HIGHWAY PROJECT  
 PLARIDEL BYPASS  
 CONTRACT PACKAGE NO. III

BILL OF QUANTITIES

PART H  
 MISCELLANEOUS STRUCTURES

PAY ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE (Pesos)	AMOUNT (Pesos)
600(3)a	Combination Concrete Curb and Gutter, Type A (Pesos _____ and _____ Centavos per linear meter)	l.m.	72.00		
602(1)	Right - of - Way Monuments (Concrete) (Pesos _____ and _____ Centavos each)	each	86.00		
602(2)	Maintenance Marker Post ( For Drainage Structure) (Pesos _____ and _____ Centavos each)	each	12.00		
602(3)	Kilometer Posts (Pesos _____ and _____ Centavos each)	each	2.00		
603(3)a	Metal Guardrail (Metal Beam), Type A (Pesos _____ and _____ Centavos per linear meter)	l.m.	448.00		
605(1)b	Warning Signs, (Triangular 900 mm) (Pesos _____ and _____ Centavos each)	each	2.00		
605(2)b	Regulatory Signs, (Octagonal, 600mm) (Pesos _____ and _____ Centavos each)	each	2.00		
Sub-total for this Page					

Note: Bidder must fill up this section of the Bill of Quantities

Dated this \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_\_

Signature: \_\_\_\_\_

Printed Name: \_\_\_\_\_

In the capacity of: \_\_\_\_\_

Duly authorized to sign for and in behalf of: \_\_\_\_\_

**UPGRADING INTER-URBAN HIGHWAY SYSTEM ALONG THE PAN-PHILIPPINE HIGHWAY PROJECT  
PLARIDEL BYPASS  
CONTRACT PACKAGE NO. III**

**BILL OF QUANTITIES**

PART H  
MISCELLANEOUS STRUCTURES

PAY ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE (Pesos)	AMOUNT (Pesos)
605(2)c	Regulatory Signs, (Circular, 600mm) (Pesos _____ and _____ Centavos each)	each	8.00		
605(3)c	Informatory Sign, Type B, Double Post (Pesos _____ and _____ Centavos each)	each	1.00		
607(2)b	Reflectorized Pavement Studs (2- Face Reflective) (Pesos _____ and _____ Centavos each)	each	14.00		
607(3)	Chatter Bar (1- Face Reflective) (Pesos _____ and _____ Centavos each)	each	44.00		
608(1)	Furnishing and Placing Top Soil (Pesos _____ and _____ Centavos per cubic meter)	cu.m.	4,158.00		
610	Sodding (Pesos _____ and _____ Centavos per square meter)	sq.m.	20,786.00		
611(1)c	Trees (Furnishing and Transplanting) (High Tree, 1.5m < H < 3.0m) (Pesos _____ and _____ Centavos each)	each	95.00		
<b>Sub-total for this Page</b>					

Note: Bidder must fill up this section of the Bill of Quantities

Dated this \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_

Signature: \_\_\_\_\_

Printed Name: \_\_\_\_\_

In the capacity of: \_\_\_\_\_

Duly authorized to sign for and in behalf of: \_\_\_\_\_

UPGRADING INTER-URBAN HIGHWAY SYSTEM ALONG THE PAN-PHILIPPINE HIGHWAY PROJECT  
 PLARIDEL BYPASS  
 CONTRACT PACKAGE NO. III

BILL OF QUANTITIES

PART H  
 MISCELLANEOUS STRUCTURES

PAY ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE (Pesos)	AMOUNT (Pesos)
612(1)a	Reflectorized Thermoplastic Pavement Markings (White) (Pesos _____ and _____ Centavos per square meter)	sq.m.	668.00		
612(1)b	Reflectorized Thermoplastic Pavement Markings (Yellow) (Pesos _____ and _____ Centavos per square meter)	sq.m.	62.00		
SPL 620(1)a	Traffic Signal Pole, Type A (Pesos _____ and _____ Centavos each)	each	1.00		
SPL 620(1)c	Traffic Signal Pole, Type B (ø114.3 x 4.2m) (Pesos _____ and _____ Centavos each)	each	5.00		
SPL 620(2)b	Traffic Signal Lamps, Type B (3 Vehicle Lamps) (Pesos _____ and _____ Centavos each)	each	12.00		
SPL 620(2)c	Traffic Signal Lamps, Type C (2 Pedestrian Lamps) (Pesos _____ and _____ Centavos each)	each	6.00		
SPL 620(4)a	Street Lighting Poles (Single Lamp) (Pesos _____ and _____ Centavos each)	each	9.00		
<b>TOTAL FOR PART H</b>					

Note: Bidder must fill up this section of the Bill of Quantities

Dated this \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_\_

Signature: \_\_\_\_\_

Printed Name: \_\_\_\_\_

In the capacity of: \_\_\_\_\_

Duly authorized to sign for and in behalf of: \_\_\_\_\_

UPGRADING INTER-URBAN HIGHWAY SYSTEM ALONG THE PAN-PHILIPPINE HIGHWAY PROJECT  
 PLARIDEL BYPASS  
 CONTRACT PACKAGE NO. III

BILL OF QUANTITIES

PART H  
 MISCELLANEOUS STRUCTURES

PAY ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE (Pesos)	AMOUNT (Pesos)
SPL 620(4)c	Bridge Lighting Poles (Single Lamp) (Pesos _____ and _____ Centavos each)	each	38.00		
SPL 620(4)d	Street Lighting Service Pole (W/ Panel) (Pesos _____ and _____ Centavos each)	each	3.00		
SPL 620(4)e	Flourescent Lighting for Underpass Culvert (Pesos _____ and _____ Centavos each)	each	2.00		
Sub-total for this Page					
TOTAL FOR PART H					

Note: Bidder must fill up this section of the Bill of Quantities

Dated this \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_

Signature: \_\_\_\_\_

Printed Name: \_\_\_\_\_

In the capacity of: \_\_\_\_\_

Duly authorized to sign for and in behalf of: \_\_\_\_\_



UPGRADING INTER-URBAN HIGHWAY SYSTEM ALONG THE PAN-PHILIPPINE HIGHWAY PROJECT  
 PLARIDEL BYPASS  
 CONTRACT PACKAGE NO. III

BILL OF QUANTITIES

PART J  
 MOBILIZATION AND DEMOBILIZATION

PAY ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE (Pesos)	AMOUNT (Pesos)
SPL 800	Mobilization and Demobilization (Pesos _____ _____ and _____ Centavos per lump sum)	Lump sum	1.00		
Sub-total for this Page					
TOTAL FOR PART J					

Note: Bidder must fill up this section of the Bill of Quantities

Dated this \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_

Signature: \_\_\_\_\_

Printed Name: \_\_\_\_\_

In the capacity of: \_\_\_\_\_

Duly authorized to sign for and in behalf of: \_\_\_\_\_

UPGRADING INTER-URBAN HIGHWAY SYSTEM ALONG THE PAN-PHILIPPINE HIGHWAY PROJECT  
 PLARIDEL BYPASS  
 CONTRACT PACKAGE NO. III

BILL OF QUANTITIES

PART K  
 PROVISIONAL SUM

PAY ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE (Pesos)	AMOUNT (Pesos)
SPL 900(1)	Provisional Sum No. 1 (For Traffic Management during Construction) (Pesos _____ and _____ Centavos per provisional sum)	Prov'l Sum	1.00		
SPL 900(2)	Provisional Sum No. 2 (For Relocation of Existing Public Utilities, (Electric Lines/ Post, Communications Lines/Manholes, Water Mains/Pipes affected by the Project) (Pesos _____ and _____ Centavos per provisional sum)	Prov'l Sum	1.00		
SPL 900(3)	Provisional Sum No. 3 (For Geotechnical Investigation) (Pesos _____ and _____ Centavos per provisional sum)	Prov'l Sum	1.00		
SPL 900(4)	Provisional Sum No. 4 (For Repair and Maintenance of existing Access Road) (Pesos _____ and _____ Centavos per provisional sum)	Prov'l Sum	1.00		
SPL 900(5)	Provisional Sum No. 5 (For Environmental Compliance Requirements) (Pesos _____ and _____ Centavos per provisional sum)	Prov'l Sum	1.00		
SPL 900(6)	Provisional Sum No. 6 (For Health and Safety Requirements) (Pesos _____ and _____ Centavos per provisional sum)	Prov'l Sum	1.00		
SPL 900(7)	Provisional Sum No. 7 (For Daywork) (Pesos _____ and _____ Centavos per provisional sum)	Prov'l Sum	1.00		
Sub-total for this Page					

Note: Bidder must fill up this section of the Bill of Quantities

Dated this \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_

Signature: \_\_\_\_\_

Printed Name: \_\_\_\_\_

In the capacity of: \_\_\_\_\_

Duly authorized to sign for and in behalf of: \_\_\_\_\_

UPGRADING INTER-URBAN HIGHWAY SYSTEM ALONG THE PAN-PHILIPPINE HIGHWAY PROJECT  
 FLARIDEL BYPASS  
 CONTRACT PACKAGE NO. III

BILL OF QUANTITIES

PART K  
 PROVISIONAL SUM

PAY ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE (Pesos)	AMOUNT (Pesos)
SPL 900(8)	Provisional Sum No. 8 (For Overseas Development Assistance (ODA) Recognition Plate) (Pesos _____) and _____ Centavos per provisional sum)	Prov'l Sum	1.00		
SPL 900(9)	Provisional Sum No. 9 (For Contingencies) (Pesos _____) and _____ Centavos per provisional sum)	Prov'l Sum	1.00		
Sub-total for this Page					
TOTAL FOR BILL PART K					

Note: Bidder must fill up this section of the Bill of Quantities

Dated this \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_

Signature: \_\_\_\_\_

Printed Name: \_\_\_\_\_

In the capacity of: \_\_\_\_\_

Duly authorized to sign for and in behalf of: \_\_\_\_\_

**ANNEX NO. 1 - SCHEDULE/BREAKDOWN OF  
LUMP SUM PAY ITEMS**

## SCHEDULE A: ANNEX TO THE BILL OF QUANTITIES

## SCHEDULE OF LUMP SUM PAY ITEMS

LUMP SUM ITEM NO. A(1)a	DESCRIPTION				
	FACILITIES FOR THE ENGINEER (Combined Field Office and Laboratory Building )				
COMPONENT NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE (PESOS)	AMOUNT (PESOS)
I.	<b>Earthworks</b>				
	a. Excavation				
	1. Structural Excavation	cu.m.	181.28		
	2. Structural Backfill	cu.m.	128.51		
	3. Bedding Materials	cu.m.	59.98		
	4. Soil Poisoning	sq.m.	1,800.00		
	b. Filing Materials				
	c. Bedding Materials				
	1. 0.10 m thick	cu.m			
II.	<b>Concrete Works</b>				
	a. 3,000 psi or 20.70 Mpa - Class A	cu.m.	16.93		
	1. P. Cement	bag			
	2. Sand	cu.m.			
	3. Gravel	cu.m.			
	b. 2,500 psi or 17 Mpa - Class B	cu.m.	54.00		
	1. P. Cement	bag			
	2. Sand	cu.m.			
	3. Gravel	cu.m.			
	c. Rebars				
	1. Rebars	kg.	2,584.00		
	d. Formworks	sq.m.	138.16		
III.	<b>Masonry</b>				
	a. CHB , 150mm (6")	pcs.	1,566.00		
	b. CHB, 100 mm (4")	pcs.	606.00		
	c. P. Cement	bags			
	d. Fine Aggregates	cu.m.			
	e. Coarse Aggregates	cu.m.			
	f. Rebars	kg.	50.60		
	g. Tie Wire # 16	kg.	16.87		
IV.	<b>Scaffolding/Formworks</b>				
	1. Lumber, Apitong	bd.ft			
	2. Nails and Hardwares	kg.			
	3. Coco Lumber	bd.ft			
	4. Plywood 1/4	pcs			
V.	<b>Roof Truss, Frame &amp; Purling</b>				
	<b>Thermal Protection</b>				
	a. Pre-painted GA 26 Corrugated Roofing, with Aluminum Foil Insulation (Harvi-Foil 427)	pcs			
	b. Pre-painted Wall Panel, w/ Insulation	pcs			
	c. Ridge Roll, 24" x 8"	pcs			
	d. Pre-painted Metal Facia, 24" x 8", Ga. 26	pcs			
	e. Rivets, Straps and Washers	lot			
Sub-Total for this Page					

SCHEDULE A: ANNEX TO THE BILL OF QUANTITIES

SCHEDULE OF LUMP SUM PAY ITEMS

LUMP SUM ITEM NO. A(1)a	DESCRIPTION  FACILITIES FOR THE ENGINEER (Combined Field Office and Laboratory Building )				
COMPONENT NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE (PESOS)	AMOUNT (PESOS)
	<b>Ceiling and Wall Panelling</b>				
	a. Gypsum Board Ceiling	pcs			
	b. 6.0 mm MDF Wall Panelling	pcs			
	c. 1' x 1" x 12' Aluminim T-Runner	pcs			
	d. 2" x 2" Nailer (External Only)	bd.ft.			
	e. Misc. (Wire hangers, Screws, Nails)	kg.			
	<b>Finishes:</b>				
	a. Vinyl Tiles, 300 x 300 x 3 mm	pcs.			
	b. Adhesive	gal.			
	c. Tiles, Unglazed white (100 x 200mm)	pcs.			
	d. Tiles, Glazed (200 x 200mm)	pcs.			
	e. Portland Cement	bags			
	f. White Cement	bags			
	g. Concrete Paint	gal.			
	m. Misc. (thinners, Brush, etc)	lot			
	<b>Structural Steel Members:</b>				
	Turn Buckle & Bolts w/ Nuts and Washers	lot			
	<b>Doors and Windows</b>				
	<b>Doors</b>				
	a. Steel Door D-1 , Insulated, Pre-Painted, 2.10 x 0.90	ea			
	b. Wooden Door D-2, 2.10 x 0.80, Hollow Core	ea			
	c. Toilet Door D-3, 2.10 x 0.60	ea			
	<b>Windows</b>				
	d. Metal Jalousie Windows, W-1, 2.10 x 1.5 (Blade-GA. 20)	ea			
	e. Metal Jalousie Windows, W-2, 3.9 x 1.5, (Blade - Ga. 20_	ea			
	f. Metal Jalousie Windows, W-3, 0.90 x 1.40 (Blade - Ga. 20)	ea			
	g. Metal Jalousie Windows, W-1, 0.25 x 0.82	ea			
	h. Window Jamb, GA. 18 x 25 x 100mm	ea			
	<b>Plumbing Works:</b>				
	a. G.I. Pipes, 19mm dia. x 10 ft.	pcs			
	b. G.I. Pipes, 13mm dia. x 10 ft.	pcs			
	c. Gate Valve	ea			
	d. Control Valve	ea			
	e. Water Meter	ea			
	f. PVC Pipe, 150mm dia. x 10 ft.	pcs			
	g. PVC Pipe, 100mm dia. x 10 ft.	pcs			
Sub-Total for this Page					

SCHEDULE A: ANNEX TO THE BILL OF QUANTITIES

SCHEDULE OF LUMP SUM PAY ITEMS

LUMP SUM ITEM NO. A(1)a	DESCRIPTION  FACILITIES FOR THE ENGINEER (Combined Field Office and Laboratory Building )				
COMPONENT NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE (PESOS)	AMOUNT (PESOS)
	h. PVC Pipe, 50mm dia. x 10 ft.	pcs			
	i. Clean Out	pcs			
	j. FCO/FD	pcs			
	k. Shower Drain	ea			
	<b>Plumbing Fixtures</b>				
	a. Slope Sink	ea			
	b. Lavatory	ea			
	c. Water Closet	ea			
	d. Urinal	ea			
	e. Faucet	ea			
	f. Hose Bibbs	ea			
	<b>Toilet Accessories</b>				
	a. Toilet Mirror	set			
	b. Toilet Paper Dispenser	set			
	c. Shower Head	set			
	d. Grab Bar	ea			
	e. Soap Holder	ea			
	<b>Cabinets &amp; Kitchen Counters</b>				
	a. 18mm MDF Board	pcs			
	b. 6mm MDF Board	pcs			
	c. Lumber, Apitong or Equal	bd.ft.			
	d. Lock Set	pcs			
	e. Handle	pcs			
	f. 25mm dia. Pipe Hanger x 10 ft.	pcs			
	g. Nails and hardwares	lot			
	<b>Electrical Works</b>	lot			
Sub-Total for this Page					

SCHEDULE A: ANNEX TO THE BILL OF QUANTITIES

SCHEDULE OF LUMP SUM PAY ITEMS

LUMP SUM ITEM NO. A(1)a	DESCRIPTION  FACILITIES FOR THE ENGINEER (Engineer's Quarter Building )				
COMPONENT NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE (PESOS)	AMOUNT (PESOS)
I.	<b>Earthworks</b>				
	a. Granular Bed Course				
II.	<b>Concrete Works</b>				
	1. P. Cement	bag			
	2. Sand	cu.m.			
	3. Gravel	cu.m.			
	4. Reinforcing Steel Bars				
	5. Tie Wire # 16	bag			
III.	<b>Masonry</b>				
	a. CHB , 150mm (6")	pcs.			
	b. CHB, 100 mm (4")	pcs.			
	c. P. Cement	bags			
	d. Fine Aggregates	cu.m.			
	e. Coarse Aggregates	cu.m.			
	f. Rebars	kg.			
	g. Tie Wire # 16	kg.			
IV.	<b>Scaffolding/Formworks</b>				
	1. Lumber, Apitong	bd.ft			
	2. Nails and Hardwares	kg.			
	3. Coco Lumber	bd.ft			
	4. Plywood 1/4	pcs			
V.	<b>Thermal Protection</b>				
	a. Pre-painted GA. 26 Corrugated Roofing W/ Aluminum Foil Insulation (Harvi-427)	pcs			
	b. Pre-painted Wall Panel w/ Insulation	pcs			
	c. Ridge Roll, 24" x 8'	pcs			
	d. Pre-painted Metal Facia, 24" x 8", Ga. 26	pcs			
	e. Rivets, Straps and Washers	lot			
VI.	<b>Ceiling and Wall Panelling</b>				
	a. Gypsum Board Ceiling	pcs			
	b. 6.0 mm MDF Wall Panelling	pcs			
	c. 1' x 1" x 12' Aluminim T-Runner	pcs			
	d. 2" x 2" Nailer (External Only)	bd.ft			
	e. Misc. (Wire hangers, Screws, Nails)	kg.			
VII.	<b>Finishes:</b>				
	a. Vinyl Tiles, 300 x 300 x 3 mm	pcs.			
	b. Adhesive	gal.			
	c. Tiles, Unglazed white (100 x 200mm)	pcs.			
	d. Tiles, Glazed (200 x 200mm)	pcs.			
	e. Portland Cement	bags			
	f. White Cement	bags			
	g. Concrete Paint	gal.			
	m. Misc. (thinners, Brush, etc)	lot			
Sub-Total for this Page					



SCHEDULE A: ANNEX TO THE BILL OF QUANTITIES

SCHEDULE OF LUMP SUM PAY ITEMS

LUMP SUM ITEM NO. A(1)a	DESCRIPTION  FACILITIES FOR THE ENGINEER (Engineer's Quarter Building )				
COMPONENT NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE (PESOS)	AMOUNT (PESOS)
VIII.	<b>Structural Steel Members:</b>  Turn Buckle & Bolts w/ Nuts and Washers	lot			
IX.	<b>Doors and Windows</b>  a. Pre-painted Steel Door D-1 , Insulated, 2.10 x 0.90 b. Wooden Door D-2, 2.10 x 0.80, Hollow Core c. Toilet Door D-3, 2.10 x 0.60 d. Metal Jalousie Windows, W-1, 2.10 x 1.5 (Blade - GA.20) e. Metal Jalousie Windows, W-2, 3.9 x 1.5 (Blade -Ga. 20) f. Metal Jalousie Windows, W-3, 0.90 x 1.40 (Blade Ga. - 20) g. Metal Jalousie Windows, W-1, 0.25 x 0.82 h. Window Jamb, GA. 18 x 25 x 100mm	ea ea ea ea ea ea ea			
X.	<b>Plumbing Works</b>  a. G.I. Pipes, 19mm dia. x 10 ft. b. G.I. Pipes, 13mm dia. x 10 ft. c. Gate Valve d. Control Valve e. Water Meter f. PVC Pipe, 150mm dia. x 10 ft. g. PVC Pipe, 100mm dia. x 10 ft. h. PVC Pipe, 50mm dia. x 10 ft. i. Clean Out j. FCO/FD  <b>Plumbing Fixtures</b>  a. Slope Sink b. Lavatory c. Water Closet d. Urinal e. Faucet f. Hose Bibbs	pcs pcs ea ea ea pcs pcs pcs pcs pcs pcs  ea ea ea ea ea ea			
XI.	<b>Toilet Accessories</b>  a. Toilet Mirror b. Toilet Paper Dispenser c. Shower Head d. Grab Bar e. Soap Holder	set set set ea ea			
XII.	<b>Cabinets &amp; Kitchen Counters</b>  a. 18mm MDF Board b. 6mm MDF Board c. Lumber, Apitong or Equal d. Lock Set e. Handle f. 25mm dia. Pipe Hanger x 10 ft. g. Nails and hardwares	pcs pcs bd.ft. pcs pcs pcs lot			
XIII.	<b>Electrical Works</b>	lot			
Sub-Total for this Page					

SCHEDULE \_\_- ANNEX I TO THE BILL OF QUANTITIES

**SCHEDULE OF LUMP SUM PAY ITEMS**

LUMP SUM ITEM NO. A(1)c	DESCRIPTION:  FACILITIES FOR THE ENGINEER (Furnitures and Fixtures for Field Office/Laboratory Building and Engineer's Quarters)				
	COMPONENT NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE (PESOS)
1.	Office Desk, 70 x 150 cm, with 3 drawers on each side of center drawer, with lock and keys and 1/4 in. thick glasstop	each			
2.	Swivel Chair with padded seat and back and arm rest, to match office desk	each			
3.	Visitor's Chair with padded seat and back rest	each			
4.	Book Shelf, 40 x 70 x 245 cm. With 3 shelves with lock and keys	each			
5.	Steel Cabinet, 4 drawers, fire resistant with lock and keys	each			
6.	Magic Clip Whiteboard, 2 ft. x 3 ft., with 12 in. magiclip with aluminum stand and ball casters	each			
7.	Office Desk, 70 x 140 cm, with 3 drawers on each side of center drawer with lock and keys	each			
8.	Drafting Table, with padded seat stool and 2 T-Squares	each			
9.	Clerical Table, 60 x 100 cm, withy top and right side drawer with lock and keys	each			
10.	Typist Chair, upright, with padded seat and back seat	each			
Sub-Total for this Page					

SCHEDULE \_\_ - ANNEX I TO THE BILL OF QUANTITIES

**SCHEDULE OF LUMP SUM PAY ITEMS**

LUMP SUM ITEM NO. A(1)c	DESCRIPTION:				
	FACILITIES FOR THE ENGINEER (Furnitures and Fixtures for Field Office/Laboratory Building and Engineer's Quarters)				
COMPONENT NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE (PESOS)	AMOUNT (PESOS)
11.	Typewriter Table, 40 x 90 cm, with side shelves	each			
12.	Conference Table, 120 x 200 cm.	each			
13.	Standard Size Chair	each			
14.	Wash Basin	each			
15.	Supplies Cabinet	each			
	<u>STORAGE AREA</u>				
16.	Closet, 60 x 180 x 200 cm high with 40 cm shelves	each			
	<u>ALL AREAS</u>				
17.	Waste Basket, Plastic	each			
Sub-Total for this Page					
TOTAL FOR ITEM NO. A(1)C					

SCHEDULE OF LUMP SUM PAY ITEMS

LUMP SUM ITEM NO. A(1)d	DESCRIPTION: FACILITIES FOR THE ENGINEER (Furnitures and Fixtures for the Combined Office/Laboratory and Living Quarters for the Engineer)				
	COMPONENT NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE (PESOS)
	<b>A. COMBINED FIELD OFFICE/LABORATORY</b>				
1.	Executive Table, KD Tanguile dark brown non-glass varnish, 75cm x 150 cm, 3 drawers on one side and center drawer provided with locks and keys and 1/4" thick glass	each			
2.	Office Table, KD Tanguile, dark brown non-gloss varnish, 60cm x 120cm, 3 drawers on one side and center drawer provided with locks and keys	each			
3.	Executive chairs on rollers, padded with back and arm rest to match executive table.	each			
4.	Swivel chair on rollers, padded with back and arm rest to match Office desk.	each			
5.	Office Desks, 75cm x 150cm with 3 drawers on each side of the center drawer with locks and keys.	each			
6.	Drafting table, KD Tanguile, dark brown non-gloss varnish 80cm x 150cm with drafting stool with padded seat of synthetic upholstery	each			
7.	Complete set of drafting instrument, K & E of model or equivalent.				
8.	Typist table, KD tanguile, 60cm x 100cm with top and right side drawer, with locks and keys				
9.	Conference table, KD Tanguile, dark brown, non-gloss varnish, 140cm x 240cm x 32 cm deep with shelves.				
10.	Steel filing cabinet for horizontal plans, 5 drawers				
11.	Steel filing Cabinet, 4 drawers with locks and keys, fire resistant				
12.	Venetian blinds for all windows				
13.	Table for Computer Printer				
	<b>B. ENGINEER'S LIVING QUARTER</b>				
14.	Single Bed, 187cm x 90cm, with 10cm thick foam rubber mattress				
15.	Double deck bed with 10cm thick foam rubber mattress				
16.	Chairs upright with padded seat and backrest				
17.	Dining table for eight (8) persons, KD tanguile dark brown, non-gloss varnish, 6mm thick glass top.				
Sub-Total for this Page					

SCHEDULE OF LUMP SUM PAY ITEMS

LUMP SUM ITEM NO. A(1)d	DESCRIPTION: FACILITIES FOR THE ENGINEER (Furnitures and Fixtures for the Combined Office/Laboratory and Living Quarters for the Engineer)					
	COMPONENT NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE (PESOS)	AMOUNT (PESOS)
18		Chairs with backrest KD tanguile, dark brown with non-gloss varnish				
19		Long sofa with padded arm and backrest synthetic leather upholstery				
20		Sofa lounge chairs, with padded arm and backrest, synthetic leather upholstery				
21		Cupboard, KD Tanguile, 122 cm wide by 32cm deep with 5 shelves and panel doors with locks and keys, painted.				
22		Venetian blinds for all windows				
Sub-Total for this Page						
TOTAL FOR ITEM NO. A(1)d						

SCHEDULE B - ANNEX TO THE BILL OF QUANTITIES

SCHEDULE OF LUMP SUM PAY ITEMS

LUMP SUM ITEM NO. A(1)e	DESCRIPTION:  <b>FACILITIES FOR THE ENGINEER</b> (Equipment and Appliances for Field Offices/Laboratory Building and Engineer's Quarters)				
COMPONENT NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE (PESOS)	AMOUNT (PESOS)
<b>A. COMBINED FIELD OFFICE/LABORATORY</b>					
1.	IBM Typewriter set III with standard carriage, or equivalent	each			
2.	Electronic Calculator, Casio FX-4200, or equivalent	each			
3.	Photo copier, Sharp SF-2414, 14 CPM or equivalent	each			
4.	Electric Stand Fan, 16" blade diameter	each			
5.	Air Conditioner, Window Type, with timer complete with standard accessories, 2.5hp which will operate on 220 V cycle, single phase current with timer	each			
6.	Plain paper plain telefax machine	each			
7.	Computer System with the ff specifications: ASUS P3BF/P3B-133 Intel Pentium IV, 800MHz (Slot 1) 128 MB DIMM RAM, 20GB Quantum/Maxtor Hard disk, 1.44 MB Floppy disk drive (TEAC), 52X Creative CD ROM drive with (Infra Red), 32 MB Video Card (AGP) CMI 8738 PCI Sound Card (32 bit) or with AM/FM Sound card, NTC 102-104 keyboard, PS/2, 3 button mouse, 17" Color Monitor (Viewsonic), UPS with AVR (A.P.C.), dust cover, mid tower casing with 300watts power supply, Altec Lansing Speaker with surround and sub (latest model), 2 USB Ports, ASUS 56 kbps in V.90 Modem Riser Card, ASUS PCI L101 Ethernet LAN card, 10BASE-T LAN twist Pair straight cable 10m length with connectors.	each			
8.	Regular licensed Installer CD's MS Windows 2000 Microsoft Office 2000 including Power Point, Symantec Norton System works 2002 and Anti-Virus software				
9.	External ASUS CD-RW Drive 8x Record/ 4x Rewrite/ 32x Read including CD Recording Software with ASUS PCI - DA2200 SCSI RAID Card or equivalent ASUS Internal drive				
10.	LAN Hub Port for 10BASE-T Cable with 4 ports min.				
11.	HP Scanner for A3 size including Scan Software with SCSI or USB Connector (Latest Model)				
12.	HP Printer, Desk Jet 1120C or higher (Latest Model)				
Sub-Total for this Page					

SCHEDULE B - ANNEX TO THE BILL OF QUANTITIES

SCHEDULE OF LUMP SUM PAY ITEMS

LUMP SUM ITEM NO. A(1)e	DESCRIPTION:  FACILITIES FOR THE ENGINEER (Equipment and Appliances for Field Office/Laboratory Building and Engineer's Quarters)				
COMPONENT NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE (PESOS)	AMOUNT (PESOS)
13	HP Printer, Laser Jet 6L or higher (Latest Model)				
14	Standrad Computer Table				
15	Magnetic whiteboard, 4' x 8' on roller stand, usable both sides				
16	Autofocus 35mm SLR Compact Camera with at least 35-70mm Zoom lens or equivalent				
17	Fire Extinguisers, 10 lbs				
18	Wall Clock				
19	Electric Air Pot, 3.5 liter capacity				
20	Manual Punching/Binding Machine IB Master, 24 pins made in Switzerland.				
	<b>B. LIVING QUARTERS</b>				
1	Air condition unit, window type with timer complete with standard acces., 1.0 hp, 220V cycle, single phase current				
2	Refrigerator, 10 cu. Ft				
3	Gas stove with two (2) burner complete with hose, LPG tank and regulator				
4	Electric Stand Fan, 16" diametet blade				
5	Fire Extinguisher, 10 lbs				
6	Wall Clock				
7	Electric Air Pot, 3.5 liter capacity				
8	Set of kitchenwares dor at least 12 persons consisting of the following: spoons, forks, knives, cups and saucers, serving plates, placemats, ash tray, rice plates, pitchers, bolos, casseroles, frying pan, canisters				
9	Water Purifier/Filter System				
10	Petromax or approved equal for emergency use.				
Sub-Total for this Page					
<b>TOTAL FOR ITEM NO. A(1)e</b>					

SCHEDULE C - ANNEX TO THE BILL OF QUANTITIES

SCHEDULE OF LUMP SUM PAY ITEMS

LUMP SUM ITEM NO. A(3)a	DESCRIPTION: FACILITIES FOR THE ENGINEER Laboratory Testing Equipment/Apparatus and Publication				
COMPONENT NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE (PESOS)	AMOUNT (PESOS)
	SCHEDULE C : Laboratory Testing Equipment/Apparatus				
	L. Soil Testing Equipment				
	1.1 Gradation Analysis				
1	3" - 8" dia. Brass Sieve	each			
2	2½" - 8" dia. Brass Sieve	each			
3	2" - 8" dia. Brass Sieve	each			
4	1½" - 8" dia. Brass Sieve	each			
5	1" - 8" dia. Brass Sieve	each			
6	¾" - 8" dia. Brass Sieve	each			
7	½" - 8" dia. Brass Sieve	each			
8	3/8" - 8" dia. Brass Sieve	each			
9	#4 - 8" dia. Brass Sieve	each			
10	#8 - 8" dia. Brass Sieve	each			
11	#10 - 8" dia. Brass Sieve	each			
12	#16 - 8" dia. Brass Sieve	each			
13	#20 - 8" dia. Brass Sieve	each			
14	#30 - 8" dia. Brass Sieve	each			
15	#40 - 8" dia. Brass Sieve	each			
16	#50 - 8" dia. Brass Sieve	each			
17	#100 - 8" dia. Brass Sieve	each			
18	#200 - 8" dia. Brass Sieve	each			
19	#200 - 8" dia. Brass Sieve wet washing sieve	each			
20	Brass Pan 8" dia. X 2" deep	each			
21	Wire Sieve Brass	each			
22	Brass Cover with ring	each			
23	Galvanized Steel Pan, 18" x 18" x 3" with handle	each			
24	Galvanized Steel Pan, 24" x 24" x 3" with handle	each			
Sub-Total for this Page					



SCHEDULE OF LUMP SUM PAY ITEMS

LUMP SUM ITEM NO. A(3)a	DESCRIPTION: FACILITIES FOR THE ENGINEER Laboratory Testing Equipment/Apparatus and Publication				
COMPONENT NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE (PESOS)	AMOUNT (PESOS)
	<b>SCHEDULE C : Laboratory Testing Equipment/Apparatus</b>				
25	Vol. Flasks, 500 ml	each			
26	Mechanical Operated Sieve Shaker	each			
27	Wire Basket (2.36 mm mesh)	each			
28	Triple Beam Balance, 2610 gms., 0.10 gms. Sensitivity or equivalent	each			
29	Sample Splitter 2-½ chute width	each			
30	Sample Splitter 1-½ chute width	each			
31	Sampling bags (jute), 25 kgs. Cap.	each			
32	Hard Bristle Brush	each			
33	Paint Brush, 2.5 cm.	each			
34	Paint Brush, 5.0 cm.	each			
35	Sample Splitter 1" chute width	each			
	<b>1.2 Atterberg Limits</b>				
1	Liquid Limit Test Set with counter consisting of the ff.  a. Plastic Limit Set with Spatula b. Graduated Cylinder, 100ml. c. Evaporating Dish, 250 ml. , 115 mm x 45 mm d. Spatula	set			
2	Plastic Limit Test Set, kit consisting of the ff.  a. Plastic Limit Plate b. Graduated Cylinder, 25ml. c. Evaporating Dish, 120 ml. , 90 mm x 37 mm d. Doz. Aluminum moisture can 3 oz w/ cover  e. Plastic dispensing bottle, 250 ml. f. Set Triple Beam Balance, 311 gms cap w/ sensitivity of 0.01 gram	set			
3	Wash Bottle, 1000 ml. Cap	piece			
4	Dial - o -gram balance, 310 gms cap x 0.01 gram sen., Chaus	unit			
Sub-Total for this Page					

SCHEDULE OF LUMP SUM PAY ITEMS

LUMP SUM ITEM NO. A(3)a	DESCRIPTION: FACILITIES FOR THE ENGINEER Laboratory Testing Equipment/Apparatus and Publication				
COMPONENT NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE (PESOS)	AMOUNT (PESOS)
	SCHEDULE C : Laboratory Testing Equipment/Apparatus				
	1.3 Moisture Density Relation				
1	Compaction Mold, 4" dia. With collar and base plate	unit			
2	Compaction Mold, 6" dia. With extension collar	unit			
3	Compaction Rammer, 5.5 lbs.	each			
4	Compaction Rammer, 10 lbs.	each			
5	Steel Straight Edge, 12 in x 1-1/2" x 1/8"	each			
6	Mixing Trowel, 2.5" x 4.5" blade	each			
7	Spatula, 4" blade	each			
8	Spatula, 8" blade	each			
9	Trimming knife	each			
10	Heavy Duty Solution Balance, 20 kg. Cap., 1 gr.	unit			
11	Mixing Pan, 24" x 24" x 3" with blade	each			
12	Moisture Can, 500 cc with cover	dozen			
13	Laboratory California Bearing Ratio (Items Included/set)	set			
	a. Mechanical Loading Press, 45 KN cap. With metric dial	unit			
	b. California Bearing Ratio Mold, 6" dia. X 7" w/ collar & base	each			
	c. Slotted Surcharge, 25 lbs.	each			
	d. Circular Surcharge, 25 lbs.	each			
	e. Straight Edge 12" x 1-1/2" x 1/8"	each			
	f. Spacer Disk	each			
	g. California Bearing Ratio Swell Plate	each			
	h. Dial Indicator Reading 25 mm range for penetration	each			
	i. Tripod Attachment	each			
	j. Holder of Penetration Dial	each			
	k. 4.5T capacity proving ring	each			
	l. Filter Screen, box of 100, 6" dia.	box			
Sub-Total for this Page					

SCHEDULE C - ANNEX TO THE BILL OF QUANTITIES

SCHEDULE OF LUMP SUM PAY ITEMS

LUMP SUM ITEM NO. A(3)a	DESCRIPTION: FACILITIES FOR THE ENGINEER Laboratory Testing Equipment/Apparatus and Publication				
COMPONENT NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE (PESOS)	AMOUNT (PESOS)
	<b>SCHEDULE C: Laboratory Testing Equipment/Apparatus</b>				
	<b>1.4 Field Density</b>				
1	Sand Cone and Jug	set			
2	Replacement Jug Plastic	each			
3	Density Plate	pieces			
4	Sample metal can w/ cover (1 gal. Cap.)	pieces			
5	Sampling Spoon	each			
6	Plastic Bags, 8" x 14" x 0.0035	each			
7	Steel Chisel, 1" width	each			
8	Ball Hammer	each			
9	Sand Scoop	each			
10	Field Scale, 15 kg., 4.5 gm. Sensitivity	set			
11	Straight Edge, 12"	pieces			
12	Ottawa Sand	bag			
	<b>1.5 Organic Impurities</b>				
1	Graduated Bottle, 12 oz.	pieces			
2	Sodium Hydroxide Solution	bottle			
3	Color Standard chart for organic impurities	piece			
	<b>II. Aggregate and Concrete Testing Equipment</b>				
1	Portable Compression Testing Machine 100 tons, dual gauge	unit			
2	Cylinder Mold, 6" x 12"	pieces			
3	Slump Cone and Base w/ graduated Tamping Rod	set			
4	Beam Molds, 6" x 6" x 30"	pieces			
5	Pressure meter, 1/4 cu. Ft.	each			
6	Cement Trowel, rectangular blade	each			
7	Cement Trowel, triangular blade	each			
Sub-Total for this Page					

SCHEDULE C - ANNEX TO THE BILL OF QUANTITIES

SCHEDULE OF LUMP SUM PAY ITEMS

LUMP SUM ITEM NO. A(3)a	DESCRIPTION: FACILITIES FOR THE ENGINEER Laboratory Testing Equipment/Apparatus and Publication				
COMPONENT NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE (PESOS)	AMOUNT (PESOS)
	<b>SCHEDULE C: Laboratory Testing Equipment/Apparatus</b>				
8	Yield bucket, 1 cu. Ft.	each			
9	Yield bucket, 1/2 cu. Ft.	each			
10	Capping Set	set			
11	Capping Compound	lot			
12	Coring machine	unit			
13	Core bits, 4" dia.	unit			
14	Core bits, 6" dia.	unit			
15	Vicat apparatus	each			
16	Gilmore needles	each			
17	Cylinder capper, 6" x 12"	each			
18	Cylinder carrier, 6" x 12"	each			
19	Capping ladle, 8 oz.	each			
	<b>III. Miscellaneous Equipments and Items</b>				
1	Laboratory Oven, Double Wall, 220V/60 cycle AC	unit			
2	Speedy Moisture Tester w/ Reagents	each			
3	Vernier Caliper	each			
4	Glass Plate 15 cm x 15 cm	each			
5	Sand Equivalent Test	set			
6	Gas Range, 2 burners	each			
7	Calcium Carbide Reagent	box			
8	Sand Equivalent Stock Solution	bottle			
9	Los Angeles Abrasion Machine	unit			
10	Sodium Hydroxide Solution for Organic Impurities	bottle			
11	Sodium Sulphate Solution for Soundness	bottle			
12	Distilled Water	gals			
13	Rubber Mallet, 15 cm dia.	each			
<b>Sub-Total for this Page</b>					

SCHEDULE OF LUMP SUM PAY ITEMS

LUMP SUM ITEM NO. A(3)a	DESCRIPTION: FACILITIES FOR THE ENGINEER Laboratory Testing Equipment/Apparatus and Publication				
COMPONENT NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE (PESOS)	AMOUNT (PESOS)
<b>SCHEDULE C : Laboratory Testing Equipment/Apparatus</b>					
14	Mixing Dish	each			
15	Graduated Cylinder, 1000 ml.	each			
16	Graduated Cylinder, 500 ml.	each			
17	Graduated Cylinder, 100 ml.	each			
18	Graduated Cylinder, 50 ml.	each			
19	Graduated Cylinder, 25 ml.	each			
20	Shovel, square shape	each			
21	Shovel, round shape	each			
22	Plastic bag	lot			
<b>IV. Publications</b>					
1	Part I AASHTO Specifications, Latest Edition	copy			
2	Part II AASHTO Tests, Latest Edition	copy			
Sub-Total for this Page					
<b>TOTAL FOR ITEM NO. A(3)a</b>					

## ANNEX NO. 2 - DAYWORK SCHEDULE

**DAYWORK SCHEDULE**

**1. GENERAL**

- 1) Daywork schedule shall be subject to the provisions of Clause 13.6 of the Conditions of Contract.
- 2) The Contractor will be paid for Daywork carried out during the course of the Contract at the rates set down by him in this Schedule, all items of which are provisional. All profits and overheads must be included in the rates which shall also include all other costs of whichever nature necessary for and incidental to the performance of extra work, such as royalties payment to the third parties for land or the use of land for damage due to property, transportation, tools, laboratory equipment and personnel testing.
- 3) Unless specified otherwise, payments for Daywork at rates set down in this Schedule shall be subject to price escalation adjustment in accordance with the provisions in the Conditions of Contract.

**2. LABOR RATES**

- 1) Daywork Rates quoted for labor shall be the amounts payable, and shall include allowances for complying with the Labor Law, for use and waste of hand tools and for all ordinary non-mechanical plant including staging, scaffoldings, etc., where not erected and all special inducement for working in the Philippines.
- 2) Unless expressly authorized in writing by the Engineer, special rates for overtime will not be admissible for payment.

<b>PAY ITEM</b>	<b>DESCRIPTION</b>	<b>UNIT</b>	<b>UNIT PRICE (Peso)</b>
<b>900</b>	<b>LABOR</b>		
900(1)	Foreman	hour	
900(2)	Assistant Foreman	hour	
900(3)	Heavy Equipment Operator	hour	
900(4)	Light Equipment Operator	hour	
900(5)	Driver	hour	
900(6)	Skilled Laborer	hour	
900(8)	Unskilled Laborer	hour	
<b>Sub Total For (Labor)</b>			

**3. MATERIAL RATES**

Material used on daywork shall be as stated in the Specifications. The rates shall include for delivery to the immediate working area and for unloading. All rates shall include the adequate storing and protection of materials as necessary and additional handling costs and taxes.

PAY ITEM	DESCRIPTION	UNIT	UNIT PRICE (Peso)
<b>901</b>	<b>MATERIALS</b>		
901(1)	Portland Cement	bag	
901(2)	Reinforcing Steel, Grade 40	kg.	
901(3)	Reinforcing Steel, Standard Grade	kg.	
901(4)	Round Timber	pc.	
901(5)	Lumber, Yakal	bd. ft.	
901(6)	Paint, Reflective	gal.	
901(7)	Lumber, Apitong or Tanguile	bd. ft.	
901(8)	Paint, Non-Reflective	gal.	
901(9)	Ordinary Plywood, 1/2" thk. x 4' x 8'	pc.	
901(10)	Ordinary Plywood, 1/4" thk. x 4' x 8'	pc.	
901(11)	Ordinary Lawanit, 1/4" x 4' x 8'	pc.	
901(12)	Common Wire Nails	kg.	
901(13)	Concrete Nails	kg.	
901(14)	G.I. Wire #16	kg.	
901(15)	Fine Aggregates (Sand)	cu. m.	
901(16)	Coarse Aggregates (gravel)	cu. m.	
901(17)	Aggregates Subbase Course	cu. m.	
901(18)	Boulder / Rockfill	cu. m.	
901(19)	Bunker Fuel	ltr.	
901(20)	Diesel Fuel	ltr.	
901(21)	Special Gasoline	ltr.	
901(22)	Lubricating Oil	ltr.	
901(23)	Regular Paint	gal.	
901(24)	RCPC, 610 mm dia. Class IV	1 m.	
901(25)	RCPC, 760 mm dia. Class IV	1 m.	
901(26)	RCPC, 910 mm dia. Class IV	1 m.	
901(27)	RCPC, 1070 mm dia. Class IV	1 m.	
901(28)	RCPC, 1220 mm dia. Class IV	1 m.	
901(29)	RCPC, 1520 mm dia. Class IV	1 m.	
901(30)	RCPC, 610 mm dia., Class II	1 m.	
901(31)	RCPC, 760 mm dia., Class II	1m.	
901(32)	RCPC, 910 mm dia., Class II	1m.	
901(33)	RCPC, 1220 mm dia., Class II	1m.	
901(34)	Ready Mix Concrete, Class A	cu.m.	
901(35)	Concrete Hollows Blocks, 6" thick	pc.	
901(36)	Asphalt Penetration Grade 60 – 70	m. t.	
901(37)	Asphalt Penetration Grade 85 – 100	m. t.	
901(38)	Cut Back Asphalt MC - 70	m. t.	
901(35)	Emulsified Asphalt SS – 1	m. t.	
<b>Sub Total For (Materials)</b>			



**4. PLANT AND EQUIPMENT RATES**

- 1) The rates for plant and equipment shall include the wages of drivers, attendants and operators, maintenance in proper working order at all times, attendance in starting up and shutting down, all fuel and power, oils, greases and cleaning materials, replacement and/or sharpening of tools and provision of tools, charges for depreciation insurance, taxes and the like and all other ancillary items including consumable stores.
- 2) In addition to the above, rates for craft shall include for crews, mooring and anchoring where applicable.
- 3) Only the actual hours worked will be paid for.

PAY ITEM	DESCRIPTION	UNIT	UNIT PRICE (Peso)
<b>902</b>	<b>PLANT AND EQUIPMENT</b>		
902(1)	Washing and Screening Plant	hour	
902(2)	Bulldozer, 180 Hp	hour	
902(3)	Bulldozer, 140 Hp	hour	
902(4)	Wheel Loader, 1.53 cu. m.	hour	
902(5)	Excavator Backhoe, 1 1/2 cubic yard	hour	
902(6)	Wheel Loader, 1.14 cu. m.	hour	
902(7)	Steel Roller, 8 - 12 tons		
902(8)	Hydraulic Backhoe, 0.80 cu. m.	hour	
902(9)	Pneumatic Roller, 4 - 11 tons		
902(10)	Hydraulic Backhoe, 0.40 cu. m.	hour	
902(11)	Asphalt Kettle		
902(12)	Motorized Grader, 150 Hp	hour	
902(13)	Asphalt Distributor, 3000 gal.		
902(14)	Asphalt Paver / Finisher, 10 ft. wide		
902(15)	Motorized Grader, 125 Hp	hour	
	Hydraulic Crane, 21 - 25		
902(16)	T	hour	
	Hydraulic Crane, 11 - 15		
902(17)	T		
902(18)	Dump Truck, 6.88 - 8.41 cu. m.	hour	
902(19)	Stake Truck, 11 - 12 T	hour	
902(20)	Water Tank Truck (500 - 1000 gals)	hour	
902(21)	Concrete Mixer, 1 Bagger	hour	
902(22)	Concrete Mixer, 2 Bagger	hour	
902(23)	Concrete Vibrator	hour	
902(24)	Vibratory Plate Compactor, 12 Hp	hour	
902(25)	Water Pump, 3 1/2" - 4"	hour	
902(26)	Bar Cutter and Bending Machine	hour	
902(27)	Pile Hammer with Golf Lead	hour	
902(28)	Drop Hammer with Pile Cap Lead	hour	
<b>Sub Total For (Plant and Equipment)</b>			

- 4) Should any discrepancy be found between unit price from the Bill of Quantities and rates from the Daywork Schedule, the latter shall be subject to discussion with the Contractor, and if deemed necessary, corrected.

**SECTION E - DRAFT CONTRACT AGREEMENT  
AND SAMPLE FORMS**

## **SECTION E**

### **DRAFT CONTRACT AGREEMENT AND SAMPLE FORMS**

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**(DRAFT)**  
**CONTRACT AGREEMENT**  
 for the  
**UPGRADING INTER-URBAN HIGHWAY SYSTEM**  
**ALONG THE PAN-PHILIPPINE HIGHWAY PROJECT**  
**PLARIDEL BYPASS (STA. 47+400.00 – STA. 49+625.00)**  
**CONTRACT PACKAGE No. III**  
**(JBIC Loan Agreement No. \_\_\_\_\_)**

**KNOW ALL MEN BY THESE PRESENTS:**

This **CONTRACT** made and entered this \_\_\_\_\_ day of \_\_\_\_\_, 200\_\_\_\_ between the **DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS (DPWH)**, with office address at Bonifacio Drive, Port Area, Manila, represented by \_\_\_\_\_ (hereinafter called the "**OWNER**") as the **PARTY OF THE FIRST PART**

- And -

\_\_\_\_\_ with office address at \_\_\_\_\_, represented by \_\_\_\_\_ (hereinafter referred to as the "**CONTRACTOR**") as the **PARTY OF THE SECOND PART.**

WHEREAS, the Owner is desirous that certain works should be constructed under the **Japan Bank for International Cooperation (JBIC), L/A No. \_\_\_\_\_, Upgrading Inter-Urban Highway System along the Pan – Philippine Highway Project, Plaridel Bypass (Sta. 47+400.00 – Sta. 49+625.00), Contract Package No. III**

WHEREAS, the Owner has accepted the Bid of the Contractor for the execution and completion of such Works and the remedying of any defects therein for the amount of PESOS \_\_\_\_\_, (P \_\_\_\_\_)

WHEREAS, the works comprised in the Contract shall be completed within \_\_\_\_\_ calendar days in accordance with the provisions of the Bid Documents.

WHEREAS, the **CONTRACTOR** signified its conformity with award through its letter dated \_\_\_\_\_.

**Now this AGREEMENT WITNESSETH as follows:**

1. In this Agreement, words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract hereinafter referred to.
2. The following documents shall be deemed to form and be interpreted and construed as part of this agreement, viz:
  - a. Advertisement or Evidence of Publication for the Bidded Project
  - b. Approved Prequalification Statement
  - c. Drawings/Plans (Volume IV – Bid Documents)

- d. Technical Specifications and/or Special Provisions (Volume III - Bid Documents)
  - e. General Conditions (Conditions of Contract, Volume II – Bid Documents)
  - f. Proposal Book (Volume I – Bid Documents)
  - g. Supplemental Notices
  - h. Letter of Acceptance of the Contractor
  - i. Contractor's License and Certificate of Renewal
  - j. Authority of Contractor's Representative/Signatory to the Contract
  - k. PERT/CPM or Equivalent Schedule of Work
  - l. Project Cash Flow and Payment Schedule on Quarterly Basis
  - m. Duly Approved Program of Work and Cost Estimates
  - n. Approved Budget for the Contract of Work Items and Cost Components
  - o. Bid and Abstract of Bids
  - p. Certificate of Availability of Funds
  - q. Performance Security
  - r. Resolution of BAC Recommending Award
  - s. Approval of the Award by the Secretary's Office
  - t. Concurrence of the Lending Institutions
  - u. Other Pertinent Documents as may be Reasonably Required by the Owner
3. In consideration of the payments to be made by the OWNER to the CONTRACTOR as hereinafter mentioned, the CONTRACTOR hereby covenants with the OWNER to construct and complete the Works and remedy any defects therein in conformity in all respects with the provisions of the Contract.
4. The OWNER hereby covenants to pay the CONTRACTOR, in consideration of the execution and completion of the Works and the remedying of defects therein the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.
5. The guidelines for the computation and payment of price escalation on infrastructure contracts as promulgated by existing laws, decrees, rules and regulations will be applied to this Contract.
6. The CONTRACTOR shall comply with, and strictly observe all laws regarding workmen's compensation for injuries, minimum wages, hours of labor, and other labor laws.
7. The Contractor warrants that he has not given nor promised to give any money or gift to any employees of the Owner to secure this Contract.
8. Pursuant to PD 1594 and its Implementing Rules and Regulations as amended and the General Terms and Conditions of the Loan Agreement (\_\_\_\_\_), this contract shall be subject to the concurrence of the JAPAN BANK FOR INTERNATIONAL COOPERATION (JBIC)
9. This **AGREEMENT** becomes valid and binding upon approval by the Secretary of Public Works and Highways (DPWH) in accordance with the existing laws, decrees, rules and regulations of the Government of the Republic of the Philippines and the Japan Bank for International Cooperation (JBIC).

**IN WITNESS WHEREOF**, the PARTIES hereto have caused this Agreement to be executed the day and year first before written.

REPUBLIC OF THE PHILIPPINES \_\_\_\_\_

DEPARTMENT OF PUBLIC  
WORKS AND HIGHWAYS  
(First Party)

CONTRACTOR  
(Second Party)

By:

By:

\_\_\_\_\_  
(Party of the First Part)

\_\_\_\_\_  
(Party of the Second Part)

SIGNED IN THE PRESENCE OF:

\_\_\_\_\_  
(Witness)

\_\_\_\_\_  
(Witness)

\_\_\_\_\_  
Witness)

\_\_\_\_\_  
(Witness

APPROVED:

**SIMEON A. DATUMANONG**  
Secretary

REPUBLIC OF THE PHILIPPINES)  
 ) S.S.

**ACKNOWLEDGMENT**

BEFORE ME, Notary Public for and in the City of Manila, personally appeared MANUEL M. BONOAN, CESO III, with Community Tax Certificate No. \_\_\_\_\_ issued on \_\_\_\_\_ at \_\_\_\_\_ in his official capacity as Undersecretary of the Department of Public Works and Highways, representing the REPUBLIC OF THE PHILIPPINES and \_\_\_\_\_ with Community Tax Certificate No. \_\_\_\_\_ issued on \_\_\_\_\_ at \_\_\_\_\_ respectively, representing \_\_\_\_\_ known to me and to me known to be the same persons who executed the foregoing CONTRACT AGREEMENT and they acknowledged to me that the same is their true act and deed for and in behalf of the PARTIES they represent.

This instrument consists of \_\_\_\_\_ pages, including this page on which the ACKNOWLEDGMENT is written duly signed by the contracting parties and their witnesses at the bottom of page \_\_\_\_\_ of the instrument and on the left margin of the other pages.

IN WITNESS WHEREOF, I have hereunto affixed my signature and seal this \_\_\_\_\_ of \_\_\_\_\_ at Manila, Philippines.

\_\_\_\_\_  
NOTARY PUBLIC

Until \_\_\_\_\_  
TAN \_\_\_\_\_  
PTR No. \_\_\_\_\_

Doc. No. \_\_\_\_\_  
Page No. \_\_\_\_\_  
Book No. \_\_\_\_\_  
Series No. \_\_\_\_\_

**BID SECURITY (Bank Guarantee)**

WHEREAS, \_\_\_\_\_ (hereinafter called "the Bidder")  
[Name of Bidder]  
has submitted his Bid dated \_\_\_\_\_ for the construction of  
[Date]  
\_\_\_\_\_ (hereinafter called "the Bid.")  
(Name of the Contract)

KNOW ALL MEN by these presents that WE \_\_\_\_\_ of  
[Name of Bank]  
\_\_\_\_\_ having our registered office at  
[Name of Country]  
\_\_\_\_\_ (hereinafter called "the Bank") are  
[Address]

bound unto the **DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS (DPWH)**  
(hereinafter called "the Employer") in the sum of PESOS  
\_\_\_\_\_, (P \_\_\_\_\_)  
[Amount in Words]

for which payment well and truly to be made to the Employer, the Bank binds himself, his successors and assign by these presents.

SEALED with the common seal of the said Bank this \_\_\_\_\_ day of \_\_\_\_\_, 200\_\_\_\_.

**THE CONDITIONS of this obligation are:**

1. If the Bidder withdraws his Bid during the period of bid validity specified in the Form of Bid: or
2. If the Bidder does not accept the correction of arithmetical errors of his bid price in accordance with the Instructions to Bidders: or
3. If the Bidder having been notified of the acceptance of his Bid by the Employer during the period of bid validity:
  - (a) fails or refuses to execute the Form of Agreement in accordance with the Instructions to Bidders, if required; or
  - (b) fails or refuses to furnish the Performance Security, in accordance with the Instructions to Bidders

WE undertake to pay the Employer up to the above amount upon receipt of his first written demand, without the Employer having to substantiate his demand, provided that in his demand the Employer will note that the amount claimed by him is due to him owing to the



occurrence of one or both of the two (2) conditions, specifying the occurred condition or conditions.

**THIS GUARANTEE** will remain in force up to and including the one hundred twenty (120) days after the deadline for submission of bids as such deadline is stated in the Instructions to Bidders or as it may be extended by the Employer, notice of which extension(s) to the Bank is hereby waived. Any demand in respect to this Guarantee should reach the Bank not later than the date above.

Dated this \_\_\_\_\_ day of \_\_\_\_\_, 200\_\_

\_\_\_\_\_  
[Signature of Bank Representative]

\_\_\_\_\_  
[Seal of the Bank]

**IN THE PRESENCE OF:**

\_\_\_\_\_  
[Witness Name and Signature]

\_\_\_\_\_  
[Witness Name and Signature]

\_\_\_\_\_  
[Address]

\_\_\_\_\_  
[Address]

**PERFORMANCE SECURITY  
(BANK GUARANTEE)**

**THIS AGREEMENT** is made on the \_\_\_\_\_ day of \_\_\_\_\_, 200\_\_  
between \_\_\_\_\_ [name of bank] of  
\_\_\_\_\_ [address of bank] (hereinafter called "**the**  
**Guarantor**") of the one part and \_\_\_\_\_ [name of  
Employer] (hereinafter called "**the Employer**") on the other part.

**WHEREAS**

- 1) this agreement is supplemental to a Contract (hereinafter called "**the Contract**") made between \_\_\_\_\_ [name of Contractor] of \_\_\_\_\_ [address of Contractor] (hereinafter called "**the Contractor**") on the one part and the Employer on the other part whereby the Contractor agreed and undertook to execute the Works of \_\_\_\_\_ [name of Contract and brief description of the Works] for the sum of PESOS \_\_\_\_\_ (P \_\_\_\_\_) being the Contract Price; and
- 2) the Guarantor has agreed to guarantee the due performance of the Contract in the manner hereafter appearing.

**NOW, THEREFORE**, the Guarantor hereby agrees with the Employer as follows:

- a) If the Contractor shall in any respect fail to execute the Contract or commit any breach of his obligations thereunder then the Guarantor will indemnify and pay the Employer the aggregate sum of Pesos \_\_\_\_\_ [amount of Guarantee], P \_\_\_\_\_ [amount in words and figures], such sum being payable in the types and amounts of currencies in which the Contract Price is payable, provided that the Employer has notified the Guarantor to that effect and has made a claim against the Guarantor before the issue of the Defects Liability Certificate.
- b) The Guarantor shall not be discharged or released from his guarantee by an arrangement between the Contractor and the Employer, with or without the consent of the Guarantor, or by any alteration in the obligations undertaken by the Contractor, or by any forbearance on the part of the Contractor, whether as to payment, time, performance, or otherwise, and any notice to the Guarantor of any such arrangement, alteration, or forbearance is hereby expressly waived.

This Guarantee shall be valid until the date twenty eight (28) days from the date of issue of the Taking-Over Certificate.

Given under our hand on the date first mentioned above.

SIGNED:

By:

By:

\_\_\_\_\_

[Guarantor]

[Employer]

IN THE PRESENCE OF

\_\_\_\_\_

[Witness]

[Witness]

**Republic of the Philippines  
GOVERNMENT SERVICE INSURANCE SYSTEM**

**GENERAL INSURANCE FUND**  
GSIS Makati Building, Legaspi St.  
Legaspi Village, Makati, Metro Manila

G(2) GIF Bond No. \_\_\_\_\_

**BIDDER'S BOND**

KNOW ALL MEN BY THESE PRESENTS :

That we, \_\_\_\_\_, represented by its \_\_\_\_\_, as PRINCIPAL, and the GOVERNMENT SERVICE INSURANCE SYSTEM, as Administrator of the General Insurance Fund, a corporation duly organized and existing under and by virtue of the Laws of the Philippines, with principal office in the City of Manila, Philippines, as SURETY, are held and firmly bound unto the OBLIGEE, \_\_\_\_\_ in the sum of PESOS \_\_\_\_\_ (P \_\_\_\_\_), Philippine Currency, for the payment of which sum, well and truly to be made, we bind ourselves, jointly and severally, by these presents.

WHEREAS, the above bounden PRINCIPAL will submit a BID for the \_\_\_\_\_ on \_\_\_\_\_, 200...at..... a.m./p.m.

WHEREAS, the conditions of the aforementioned OBLIGEE require the BIDDER a bond for the said bid.

WHEREAS, the PRINCIPAL agrees to comply with all the terms and conditions of the said bid with the aforementioned OBLIGEE;

NOW THEREFORE, the conditions of this obligation are such that if the above bounden PRINCIPAL shall, in case he/it becomes the successful bidder in the said bid mentioned above, accept a contract with said OBLIGEE under the terms and conditions of said bid, then this obligation shall be null and void; otherwise it shall remain in full force and effect.

WITNESS OUR HANDS AND SEALS this \_\_\_\_\_ day of \_\_\_\_\_, 20 \_\_\_\_\_ at \_\_\_\_\_, Philippines.

**GOVERNMENT SERVICE INSURANCE SYSTEM**  
*General Insurance Fund*

*Principal*  
By : \_\_\_\_\_

By : \_\_\_\_\_

SIGNED IN THE PRESENCE OF :

\_\_\_\_\_

Republic of the Philippines  
GOVERNMENT SERVICE INSURANCE SYSTEM

GENERAL INSURANCE FUND  
GSIS Makati Building, Legaspi St.  
Legaspi Village, Makati, Metro Manila

G( ) GIF Bond \_\_\_\_\_

PERFORMANCE BOND

KNOW ALL MEN BY THESE PRESENTS :

That we, ..... represented by its  
..... as Principal and the  
GOVERNMENT SERVICE INSURANCE SYSTEM as Administrator of the General  
Insurance Fund, a corporation duly organized and existing under and by virtue of the laws  
of the Philippines, with head office at Manila, its SURETY, are held and firmly bound unto  
the ..... in the sum of PESOS .....  
.....), Philippine Currency for the payment of which sum well and truly to be made,  
we bind ourselves, our heirs, executors, administrators, successors and assigns, jointly  
and severally, firmly by these presents.

THE CONDITIONS OF THIS OBLIGATION are as follows:

WHEREAS, the above \_\_\_\_\_ PRINCIPAL on the ..... day of .....,  
20.....into a contract with ..... represented by  
..... to fully and faithfully.

WHEREAS, said contract requires the said PRINCIPAL to give a sufficient bond in  
the above stated sum to \_\_\_\_\_ the full and faithful performance on its part of said  
contract \_\_\_\_\_.

NOW, THEREFORE, if the PRINCIPAL shall perform well and truly and fulfill all the  
undertakings, covenants, terms, conditions and agreements of said contract, then this  
obligation shall be null and void; otherwise, it shall remain full force and effect.

The liability of the SURETY under this bond, will expire on .....  
20..... and said bond will be cancelled ten (10) days after the expiration. SURETY is  
notified in writing of any existing obligation thereunder.

IN WITNESS WHEREOF, we have set our hands and signed our names on the  
..... day of ....., 20...., at ....., Philippines.

GOVERNMENT SERVICE INSURANCE  
SYSTEM  
General Insurance Fund

By : *Principal*  
.....

By :  
.....

NOT VALID WITH  
ERASURES

SIGNED IN THE PRESENCE OF :

.....  
.....

**FORM OF PERFORMANCE SECURITY (BOND)**

By this Bond \_\_\_\_\_ as  
Principal (hereinafter called "the Contractor") and \_\_\_\_\_  
(hereinafter called "the Surety"), are held and firmly bound unto  
\_\_\_\_\_  
(hereinafter called the "Employer") in the amount of \_\_\_\_\_  
for the payment of which sum well and  
truly to be made, the Contractor and the Surety bind themselves, their heirs, severally,  
firmly by these presents.

WHEREAS, the Contractor has entered into a written Contract with the Employer dated the  
\_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_ for plans, specifications  
and amendments thereto, which to the extent herein provided for, are by reference made  
part hereof and are hereinafter referred to as the Contract.

NOW THEREFORE, the Condition of this Obligation is such that, if the Contractor shall  
promptly and faithfully perform the said Contract (including any amendments thereto) then  
this obligation shall be null and void; otherwise it shall remain in full force and effect.  
Whenever the Contractor shall be, and declared by the Employer to be, in default under the  
Contract, the Employer having performed the Employer's obligations thereunder, the Surety  
may promptly remedy the default, or shall promptly:

1. complete the Contract in accordance with its terms and conditions; or
2. pay the Employer the amount required by Employer to complete the Contract in  
accordance with its terms and conditions up to a total not exceeding the amount of  
this Bond.
3. the right to institute action on the Penal Bond Pursuant to Act. No. 3688 of any  
individual, firm, partnership, corporation and association supplying the Contractor  
with Labor and Material for the prosecution of the work is hereby acknowledged and  
confirmed.

The Surety shall not be liable for a greater sum than the specified penalty of this Bond.

Any suit under this Bond must be instituted before the expiration of thirty (30) days from the  
date of the issuing of the Certificate of Final Acceptance.

No right of action shall accrue on this Bond to or for the use of any person or corporation  
other than the Employer named herein of the heirs, executors, administrators, successors  
and assigns of the Employer.

**SF 3C**

In testimony whereof, the Contractor has hereunto set his hand and affixed his seal, and the Surety has caused these presents to be sealed with his corporate seal duly attested by the signature of his legal representative, this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_.

SIGNED, SEALED AND DELIVERED:

By the Surety \_\_\_\_\_ By the Contractor \_\_\_\_\_

in the presence of \_\_\_\_\_ in the presence of \_\_\_\_\_  
(Witness) (Witness)

**ADVANCE PAYMENT SECURITY**  
**(BANK GUARANTEE)**

**TO :** DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS  
Bonifacio Drive, Port Area  
Manila

**Re :** Contract Package No. III  
Upgrading Inter-Urban Highway System  
Along the Pan-Philippine Highway Project  
Plaridel Bypass (Sta. 47+400.00 – Sta. 49+625.00)

Gentlemen:

In accordance with the provisions of the Conditions of Contract, Sub-Clause 14.20 ("Advance Payment") of the above-mentioned Contract, \_\_\_\_\_ [name and Address of Contractor] (hereinafter called "the Contractor") shall deposit with the **DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS (DPWH)** (hereinafter called "the Employer") a bank guarantee to guarantee his proper and faithful performance under the said Clause of the Contract in an amount \_\_\_\_\_ [amount of Guarantee in words].

We, the \_\_\_\_\_ [Bank or financial institution], as instructed by the Contractor, agree unconditionally and irrevocably to guarantee as primary obligator and not as Surety merely, the payment to **DPWH** on its first demand without whatsoever right of objection on our part and without its first claim to the Contractor, in the amount not exceeding \_\_\_\_\_ [amount of Guarantee in words].

We further agree that no change or addition to or other modification of the terms on the Contract or of the Works to be performed thereunder or of any of the Contract documents which may be made between the **Department of Public Works and Highways (DPWH)** and the Contractor, shall in any way release us from any liability under this guarantee, and we hereby waive notice of any such change, addition or modification.

This guarantee shall remain valid and in full effect from the date of the advance payment under the contract until the DPWH receives full repayment of the same amount from the Contractor.

Yours truly,

\_\_\_\_\_  
(Signature and Seal of the Bank)

Name of Bank/Financial Institution : \_\_\_\_\_  
Address : \_\_\_\_\_  
Date : \_\_\_\_\_



**DETAILED UNIT PRICE ANALYSIS**

<b>PAY ITEM:</b>		<b>UNIT/QUANTITY:</b>		
<b>DESCRIPTION:</b>				
<b>A) NAME AND SPECIFICATION OF EQUIPMENT</b>	<b>NO. OF UNITS</b>	<b>NO. OF HOURS</b>	<b>UNIT COST</b>	<b>TOTAL COST (Pesos)</b>
<b>TOTAL EQUIPMENT COST</b>				
<b>B) DESIGNATION OF PERSONNEL</b>	<b>NO. OF UNITS</b>	<b>NO. OF HOURS</b>	<b>UNIT COST</b>	<b>TOTAL COST (Pesos)</b>
<b>TOTAL LABOR COST</b>				
<b>OUTPUT: QTY/HR.</b>				
<b>C) DESCRIPTION OF MATERIALS</b>	<b>UNIT</b>	<b>QTY.</b>	<b>UNIT COST</b>	<b>TOTAL COST (Pesos)</b>
<b>TOTAL MATERIALS COST</b>				
<b>D) TOTAL ESTIMATED DIRECT COST</b>				
<b>E) VALUE ADDED TAX (10% Labor + Equipment)</b>				
<b>F) OVERHEAD CONTINGENCIES &amp; MISC. ( _____ % TDC)</b>				
<b>G) PROFIT ( _____ % TDC)</b>				
<b>H) TOTAL COST</b>				
<b>I) UNIT COST</b>				

**OUTLINE**

**NARRATIVE DESCRIPTION  
OF  
CONSTRUCTION PROCEDURE/METHODS**

**1.0 INTRODUCTION**

Refer to Bidding, etc.

**2.0 BRIEF DESCRIPTION OF PROJECT**

State general Features of the Project. Use Table as necessary

**3.0 CONSTRUCTION PROCEDURES/METHODS**

**3.1 METHODOLOGY OR GENERAL APPROACH**

State general approach in terms of use of Equipment Intensive or Labor Intensive Methods, any Special Methods, any methods or procedures to insure compensation on time and quantity of construction affecting the project, etc.

**3.2 PROGRAM OF WORK**

Refer to CPM, Progress Bar Schedule and Development Schedules submitted.

**3.3 FINANCIAL PROGRAM**

Refer to Cash Flow Schedules, provisions for workers, capital schedule of receipts, etc.

**NOTE TO BIDDER:** This is a recommended outline for presenting the above document.

**SF 7**

**CERTIFICATE OF PRE-BID ATTENDANCE**

TO WHOM IT MAY CONCERN:

This is to certify that \_\_\_\_\_  
representative of \_\_\_\_\_, attended  
the Pre-Bid Conference for \_\_\_\_\_  
held on \_\_\_\_\_, 200\_\_\_\_\_.

This certification is issued upon the request of the Contractor for compliance to the bidding requirements of the Project.

Certified by:

\_\_\_\_\_  
[Consultant's Representative]

\_\_\_\_\_  
[Project Director, DPWH]

## CERTIFICATE OF SITE VISIT

TO WHOM IT MAY CONCERN:

This is to certify that \_\_\_\_\_ representative of \_\_\_\_\_, has conducted site inspection/visited the proposed construction site of Upgrading Inter-Urban Highway System Along the Pan-Philippine Highway Project, Plaridel Bypass, Sta 47+400.00 – Sta. 49+625.00), Contract Package No. III, Province of Bulacan.

This certification is issued this \_\_\_\_\_ day of \_\_\_\_\_, 200\_\_, on the request of the Contractor for Compliance to the bidding requirements of the Project.

Certified by:

\_\_\_\_\_  
[Consultant's Representative]

\_\_\_\_\_  
[Project Director, DPWH]

**STATEMENT OF ON-GOING PROJECTS  
OR COMMITTED PROJECTS**

The Contractor shall list all projects that are being currently undertaken or they are in the process of negotiating, in accordance with Clause 5.6.12.

NAME OF PROJECT	DATE STARTED/STATUS IN PERCENTAGE/ COMPLETED	DESCRIPTION OF PROJECT/LENGTH/COST/ PERTINENT DETAILS