



Project : Construction of By-Pass and Diversion Roads - Zamboanga City Diversion Road, Cabaluyan - Zambowood - Mampang Section (Road Widening), Zamboanga City

Net Length	:	(a) Road	3,687.69	ln.m	7.38	lane km
		(b) Bridge		ln.m		
		(c) Others		ln.m	(Approaches)	

Project ID	:	
Location	:	Zamboanga City
Station Limits	:	5+200.00 - 6+924.34, 7+162.40 - 9+125.75
Source of Funds	:	CY-2019

Target Start Date	:		
Total Project Duration	:	178	Calendar Days
No. of Pre-determined	:	23	Calendar Days
Unworkable Days	:	18	Calendar Days

DESCRIPTION OF WORKS TO BE DONE	QUANTITY	UNIT	AS SUBMITTED		AS EVALUATED	
			% TOTAL	TOTAL DIRECT COST	% TOTAL	TOTAL DIRECT COST
PART A: Facilities for the Engineers			1.16%	1,036,657.55		
B: Other General Requirements			1.05%	935,772.72		
C: Earthworks			10.30%	9,221,015.76		
D: Subbase and Base Course			17.94%	16,064,572.00		
E: Surface Courses			68.02%	60,901,050.19		
G: Drainage and Slope Protection Structures			0.57%	505,997.34		
H: Miscellaneous Structure			0.96%	863,464.13		
			100.00%	89,528,529.69		

EQUIPMENT:

DESCRIPTION	REQUIRED
(PLS. SEE FORM POW-2015-01B-00)	

BREAKDOWN OF EXPENDITURES:

	AS SUBMITTED	AS EVALUATED
1. Labor	1,450,356.99	
2. Materials	74,343,652.51	
3. Rental of Equipment	13,734,520.19	
4. Provisional Sum/Daywork	-	
5. OCM and Profit	15,911,199.20	
6. Value Added Tax	5,271,986.44	
7. EAO, 3.5%	3,874,910.04	
8. RROW Acquisition	5,000,000.00	
9. Physical Reseved (Contingency)	413,374.64	
10. TOTAL ESTIMATED COST	120,000,000.00	

	AS SUBMITTED	AS EVALUATED
A. Total Direct Cost	89,528,529.69	
B. OCM and Profit	15,911,199.20	
C. Value Added Tax	5,271,986.44	
D. Total Construction Cost	-	
E. Eng'g. & Administrative Overhead	3,874,910.04	
F. RROW Acquisition	5,000,000.00	
G. Physical Reserved (Contingency)	413,374.64	
H. TOTAL ESTIMATED COST	120,000,000.00	

Preparation and Submission:

Prepared by:

ELWICK P. ACUÑA

Engineer II
Maintenance Division

Checked/Submitted by:

Isidra A. Estanislao
ISIDRA A. ESTANISLAO

Engineer IV
Maintenance Division

Evaluation:

Reviewed by:

SATURNINO C. TORREFRANCA

District Engineer
Planning & Design Division

Approval:

Recommending Approval

~~KHADAFFY D. TANGGOL~~

Assistant Regional Director

Approved:

CAYAMONBAO D. DIA, *CEO IV*

Regional Director



**Construction of By-Pass and Diversion Roads - Zamboanga City Diversion Road, Cabaluay - Zambowood - Mampang Section (Road Widening), Zamboanga City
Zamboanga City**

FORM POW-2015-01A-00

ITEMIZED BREAKDOWN

ITEM NO.	DESCRIPTION	QUANTITY		UNIT	DIRECT COST				TOTAL UNIT COST		% DIRECT COST
					TOTAL		UNIT COST		TOTAL		
					AS SUBMITTED	AS EVALUATED	AS SUBMITTED	AS EVALUATED	AS SUBMITTED	AS EVALUATED	
PART A	Facilities for the Engineers										
A.1.1(3)	Construction of Field Office for the Engineer	1.00		L.S.	416,968.12		416,968.12		516,623.50		0.47%
A.1.1(11)	Provision of Provision of Furnitures/Fixtures, Equipment and Appliances for the Field Office for the Field Engineer	1.00		L.S.	333,873.33		333,873.33		378,612.36		0.37%
A.1.2(5)	Operation and Maintenance of 4 x 4 Pick-Up Type Service Vehicle for the Engineer	5.93		month	285,816.10		48,171.25		50,579.82		0.32%
	TOTAL OF PART A				1,036,657.55						1.16%
PART B	Other General Requirements										
B.4(1)	Construction Survey & Staking	3.69		km.	163,752.85		44,405.27		55,018.12		0.18%
B.5	Project Billboard/Signboard	4.00		each	18,583.10		4,645.78		5,756.12		0.02%
B.7	Occupation Safety & Health	5.93		month	206,458.77		34,796.42		39,459.14		0.23%
B.9	Mobilization & Demobilization	1.00		L.S.	546,978.00		546,978.00		574,326.90		0.61%
	TOTAL OF PART B				935,772.72						1.05%
PART C	Earthworks										
102(1)	Unsuitable Excavation	1,027.00		cu.m.	246,699.73		240.21		297.63		0.28%
102(2)	Surplus Common Excavation	5,817.00		cu.m.	832,440.69		143.10		177.31		0.93%
103(3)	Foundation Fill	7.00		cu.m.	15,641.37		2,234.48		2,768.52		0.02%
103(6)a	Pipe Culverts and Drain Excavation	47.00		cu.m.	10,882.80		231.55		286.89		0.01%
104(1)a	Embankment from Roadway Excavation	9,517.00		cu.m.	2,201,494.40		231.32		286.61		2.46%
104(5)	Boulder Fill	3,303.00		cu.m.	5,518,124.38		1,670.64		2,069.92		6.16%
105(1)a	Subgrade Preparation	24,660.00		sq.m.	395,732.38		16.05		19.88		0.44%
	TOTAL OF PART C				9,221,015.76						10.30%
PART D	Subbase and Base Course										
200(1)	Aggregate Subbase Course	14,633.00		cu.m.	16,064,572.00		1,097.83		1,360.21		17.94%
	TOTAL OF PART D				16,064,572.00						17.94%
PART E	Surface Courses										
300(1)	Gravel Surface Course	1,748.00		cu.m.	1,961,224.10		1,121.98		1,390.14		2.19%
311(1)a	Portland Cement Concrete Pavement (0.15 m. thk.)	641.00		sq.m.	612,070.69		954.87		2,173.28		0.68%
311(1)e1	Portland Cement Concrete Pavement (0.28 m. thk.)	33,253.00		sq.m.	58,327,755.40		1,754.06		2,173.28		65.15%
	TOTAL OF PART E				60,901,050.19						68.02%

ITEM NO.	DESCRIPTION	QUANTITY		UNIT	DIRECT COST				TOTAL UNIT COST		% DIRECT COST
					TOTAL		UNIT COST		TOTAL		
					AS SUBMITTED	AS EVALUATED	AS SUBMITTED	AS EVALUATED	AS SUBMITTED	AS EVALUATED	
PART G	Drainage and Slope Protection Structures										
500(1)b3	Pipe Culverts	48.00		ln.m.	145,649.22		3,034.36		3,759.57		0.16%
505(2)a	Grouted Riprap, Class "A"	22.00		cu.m.	83,638.61		3,801.75		4,710.37		0.09%
506(1)	Stone Masonry	60.00		cu.m.	276,709.51		4,611.83		5,714.05		0.31%
	TOTAL OF PART G				505,997.34						0.57%
PART H	Miscellaneous Structure										
612(1)	Reflectorized Thermoplastic Pavement Markings (White)	1,098.00		sq.m.	814,272.40		741.60		918.84		0.91%
612(2)	Reflectorized Thermoplastic Pavement Markings (Yellow)	47.00		sq.m.	38,392.17		816.85		1,012.08		0.04%
715(1)	Geotextile	61.00		sq.m.	10,799.56		177.04		219.35		0.01%
	TOTAL OF PART H				863,464.13						0.96%
	GRAND TOTAL				89,528,529.69						100.00%



Construction of By-Pass and Diversion Roads - Zamboanga City Division Road, Cabaluay - Zambowood - Mampang Section (Road Widening), Zamboanga City
Zamboanga City

FORM POW-2015-01B-00

MINIMUM EQUIPMENT REQUIREMENT

No.	Equipment Description	Capacity	Number of Equipment	No.	Equipment Description	Capacity	Number of Equipment
1	Dumptruck (10 Wheeler)	12 cu. Yd	10	26			
2	Bulldozer		2	27			
3	Backhoe	0.83 cu.m/1.04 cu. Yd	3	28			
4	Road Grader		2	29			
5	Road Roller	10 mt	2	30			
6	Payloader	1.50 cu.m/1.95 cu.yd	4	31			
7	Water Truck/Pump	16000L	2	32			
8	Water Tank		2	33			
9	Transit Mixer	5-6 cu. Yd	4	34			
10	Concrete Screeder		1	35			
11	Concrete Vibrator		2	36			
12	Concrete Cutter		2	37			
13	Bar Cutter		1	38			
14	Bar Bender		1	39			
15	One Bagger Mixer	4-6 cu.ft/min	2	40			
16	Plate Compactor		1	41			
17	Concrete Batching Plant		1	42			
18	Cargo Truck	2 - 5 mt	1	43			
19				44			
20				45			
21				46			
22				47			
23				48			
24				49			
25				50			
	SUB-TOTAL		43		SUB-TOTAL		0
TOTAL							43



REGIONAL OFFICE IX
Construction of By-Pass and Diversion Roads - Zamboanga City Diversion Road, Cabaluyan - Zambood - Mampang Section (Road Widening), Zamboanga City
Zamboanga City

9167067600

FORM POW-2015-01C-00

ITEMIZED BREAKDOWN												
ITEM NO.	DESCRIPTION		DETAILED BREAKDOWN OF COMPONENT COST FOR EACH ITEM									
			%	QTY	UNIT	DIRECT COST				TOTAL MARK-UP		5% VAT
						MATERIAL	LABOR	EQUIPMENT	TOTAL	%	VALUE	
PART A	Facilities for the Engineers											
A.1.1(3)	Construction of Field Office for the Engineer	AS EVALUATED										
		AS SUBMITTED	0.47%	1.00	L.S.	336,321.98	47,991.04	32,655.10	416,968.12	18.00%	75,054.26	24,601.12
A.1.1(11)	Provision of Provision of Furnitures/Fixtures, Equipment and Appliances for the Field Office for the Field Engineer	AS EVALUATED										
		AS SUBMITTED	0.37%	1.00	L.S.	333,873.33	-	-	333,873.33	8.00%	26,709.87	18,029.16
A.1.2(5)	Operation and Maintenance of 4 x 4 Pick-Up Type Service Vehicle for the Engineer	AS EVALUATED										
		AS SUBMITTED	0.32%	5.93	month	196,914.00	88,902.10	-	285,816.10	0.00%	-	14,290.81
	TOTAL OF PART A	AS EVALUATED										
		AS SUBMITTED	1.16%			867,109.31	136,893.14	32,655.10	1,036,657.55		101,764.13	56,921.08
PART B	Other General Requirements											
B.4(1)	Construction Survey & Staking	AS EVALUATED										
		AS SUBMITTED	0.18%	3.69	km.	40,656.78	103,524.41	19,571.67	163,752.85	18.00%	29,475.51	9,661.42
B.5	Project Billboard/Signboard	AS EVALUATED										
		AS SUBMITTED	0.02%	4.00	each	14,660.00	3,923.10	-	18,583.10	18.00%	3,344.96	1,096.40
B.7	Occupation Safety & Health	AS EVALUATED										
		AS SUBMITTED	0.23%	5.93	month	26,760.00	119,698.77	60,000.00	206,458.77	8.00%	16,516.70	11,148.77
B.9	Mobilization & Demobilization	AS EVALUATED										
		AS SUBMITTED	0.61%	1.00	L.S.	-	-	546,978.00	546,978.00	0.00%	-	27,348.90
	TOTAL OF PART B	AS EVALUATED										
		AS SUBMITTED	1.05%			82,076.78	227,146.28	626,549.67	935,772.72		49,337.17	49,255.49
PART C	Earthworks											
102(1)	Unsuitable Excavation	AS EVALUATED										
		AS SUBMITTED	0.28%	1,027.00	cu.m.	-	11,856.20	234,843.53	246,699.73	18.00%	44,405.95	14,555.28
102(2)	Surplus Common Excavation	AS EVALUATED										
		AS SUBMITTED	0.93%	5,817.00	cu.m.	-	17,718.82	814,721.87	832,440.69	18.00%	149,839.32	49,114.00
103(3)	Foundation Fill	AS EVALUATED										
		AS SUBMITTED	0.02%	7.00	cu.m.	13,096.63	1,562.50	982.25	15,641.37	18.00%	2,815.45	922.84
103(6)a	Pipe Culverts and Drain Excavation	AS EVALUATED										
		AS SUBMITTED	0.01%	47.00	cu.m.	-	542.59	10,340.21	10,882.80	18.00%	1,958.90	642.09
104(1)a	Embankment from Roadway Excavation	AS EVALUATED										
		AS SUBMITTED	2.46%	9,517.00	cu.m.	-	63,660.24	2,137,834.16	2,201,494.40	18.00%	396,268.99	129,888.17
104(5)	Boulder Fill	AS EVALUATED										
		AS SUBMITTED	6.16%	3,303.00	cu.m.	4,359,152.42	315,180.19	843,791.78	5,518,124.38	18.00%	993,262.39	325,569.34
105(1)a	Subgrade Preparation	AS EVALUATED										
		AS SUBMITTED	0.44%	24,660.00	sq.m.	-	15,023.08	380,709.30	395,732.38	18.00%	71,231.83	23,348.21
	TOTAL OF PART C	AS EVALUATED										
		AS SUBMITTED	10.30%			4,372,249.04	425,543.62	4,423,223.10	9,221,015.76		1,659,782.84	544,039.93
PART D	Subbase and Base Course											
200(1)	Aggregate Subbase Course	AS EVALUATED										
		AS SUBMITTED	17.94%	14,633.00	cu.m.	14,655,629.93	53,487.27	1,355,454.79	16,064,572.00	18.00%	2,891,622.96	947,809.75
	TOTAL OF PART D	AS EVALUATED										
		AS SUBMITTED	17.94%			14,655,629.93	53,487.27	1,355,454.79	16,064,572.00		2,891,622.96	947,809.75

ITEM NO.	DESCRIPTION		DETAILED BREAKDOWN OF COMPONENT COST FOR EACH ITEM										
			%	QTY	UNIT	DIRECT COST				TOTAL MARK-UP		5% VAT	TOTAL COST
						MATERIAL	LABOR	EQUIPMENT	TOTAL	%	VALUE		
PART E	Surface Courses												
300(1)	Gravel Surface Course	AS EVALUATED											
		AS SUBMITTED	2.19%	1,748.00	cu.m.	1,792,917.48	6,389.38	161,917.24	1,961,224.10	18.00%	353,020.34	115,712.22	2,429,956.66
311(1)a	Portland Cement Concrete Pavement (0.15 m. thk.)	AS EVALUATED											
		AS SUBMITTED	0.68%	641.00	sq.m.	534,694.08	5,457.20	71,919.41	612,070.69	18.00%	110,172.72	36,112.17	758,355.58
311(1)e1	Portland Cement Concrete Pavement (0.28 m. thk.)	AS EVALUATED											
		AS SUBMITTED	65.15%	33,253.00	sq.m.	50,835,099.44	528,440.77	6,964,215.19	58,327,755.40	18.00%	10,498,995.97	3,441,337.57	72,268,088.94
	TOTAL OF PART E	AS EVALUATED											
		AS SUBMITTED	68.02%			53,162,711.00	540,287.35	7,198,051.83	60,901,050.19		10,962,189.03	3,593,161.96	75,456,401.18
PART G	Drainage and Slope Protection Structures												
500(1)b3	Pipe Culverts	AS EVALUATED											
		AS SUBMITTED	0.16%	48.00	lin.m.	110,386.85	11,050.16	24,212.22	145,649.22	18.00%	26,216.86	8,593.30	180,459.38
505(2)a	Grouted Riprap, Class "A"	AS EVALUATED											
		AS SUBMITTED	0.09%	22.00	cu.m.	66,909.30	10,496.46	6,232.85	83,638.61	18.00%	15,054.95	4,934.68	103,628.23
506(1)	Stone Masonry	AS EVALUATED											
		AS SUBMITTED	0.31%	60.00	cu.m.	237,607.18	22,364.63	16,737.71	276,709.51	18.00%	49,807.71	16,325.86	342,843.09
	TOTAL OF PART G	AS EVALUATED											
		AS SUBMITTED	0.57%			414,903.32	43,911.25	47,182.77	505,997.34		91,079.52	29,853.84	626,930.71
PART H	Miscellaneous Structure												
612(1)	Reflectorized Thermoplastic Pavement Markings (White)	AS EVALUATED											
		AS SUBMITTED	0.91%	1,098.00	sq.m.	743,368.01	21,965.93	48,938.45	814,272.40	18.00%	146,569.03	48,042.07	1,008,883.50
612(2)	Reflectorized Thermoplastic Pavement Markings (Yellow)	AS EVALUATED											
		AS SUBMITTED	0.04%	47.00	sq.m.	35,357.10	940.25	2,094.82	38,392.17	18.00%	6,910.59	2,265.14	47,567.90
715(1)	Geotextile	AS EVALUATED											
		AS SUBMITTED	0.01%	61.00	sq.m.	10,248.00	181.90	369.66	10,799.56	18.00%	1,943.92	637.17	13,380.65
	TOTAL OF PART H	AS EVALUATED											
		AS SUBMITTED	0.96%			788,973.12	23,088.08	51,402.93	863,464.13		155,423.54	50,944.38	1,069,832.06
	GRAND TOTAL	AS EVALUATED											
		AS SUBMITTED	100.00%			74,343,652.51	1,450,356.99	13,734,520.19	89,528,529.69		15,911,199.20	5,271,986.44	110,711,715.33



DPW REGIONAL OFFICE IX

Construction of By-Pass and Diversion Roads - Zamboanga City Diversion Road, Cabaluay - Zambowood - Mampang Section (Road Widening), Zamboanga City
Zamboanga City

SUMMARY OF APPROVED BUDGET FOR THE CONTRACT

FORM POW-2015-02-00

DESCRIPTION OF WORKS TO BE DONE			ESTIMATED DIRECT COST	TOTAL MARK-UP		VAT	TOTAL INDIRECT COST	TOTAL COST
				%	TOTAL DIRECT COST			
PART A	Facilities for the Engineers	AS EVALUATED						
		AS SUBMITTED	1,036,657.55		101,764.13	56,921.08	158,685.21	1,195,342.76
PART B	Other General Requirements	AS EVALUATED						
		AS SUBMITTED	935,772.72		49,337.17	49,255.49	98,592.67	1,034,365.39
PART C	Earthworks	AS EVALUATED						
		AS SUBMITTED	9,221,015.76		1,659,782.84	544,039.93	2,203,822.77	11,424,838.52
PART D	Subbase and Base Courses	AS EVALUATED						
		AS SUBMITTED	16,064,572.00		2,891,622.96	947,809.75	3,839,432.71	19,904,004.71
PART E	Surface Courses	AS EVALUATED						
		AS SUBMITTED	60,901,050.19		10,962,189.03	3,593,161.96	14,555,350.99	75,456,401.18
PART G	Drainage and Slope Protection Structures	AS EVALUATED						
		AS SUBMITTED	505,997.34		91,079.52	29,853.84	120,933.36	626,930.71
PART H	Miscellaneous Structure	AS EVALUATED						
		AS SUBMITTED	863,464.13		155,423.54	50,944.38	206,367.93	1,069,832.06
TOTAL		AS EVALUATED						
		AS SUBMITTED	89,528,529.69		15,911,199.20	5,271,986.44	21,183,185.64	110,711,715.33

Preparation and Submission:

Prepared by:

ELWICK P. ACUÑA

Engineer II

Maintenance Division

Checked/Submitted by:

ISIDRA A. ESTANISLAO

Engineer IV

Maintenance Division

Evaluation:

Reviewed by:

SATURNINO C. TORREFRANCA

District Engineer

Planning & Design Division

Approval:

Recommending Approval

KHADAFFY D. TANGGOL

Assistant Regional Director

Approved:

CAYAMOMBAO D. DIA, CESO IV

Regional Director



REGIONAL OFFICE IX
Construction of By-Pass and Diversion Roads - Zamboanga City Diversion Road, Cabaluyan - Zambood - Mampang Section (Road Widening), Zamboanga City
Zamboanga City

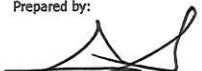
FORM POW-2015-02A-00

ITEM NO.	DESCRIPTION		QTY	UNIT	ESTIMATED DIRECT COST	TOTAL MARK-UP		VAT	TOTAL INDIRECT COST	TOTAL COST	UNIT COST
						%	VALUE				
PART A	Facilities for the Engineers										
A.1.1(3)	Construction of Field Office for the Engineer	AS EVALUATED									
		AS SUBMITTED	1.00	L.S.	416,968.12	18.00%	75,054.26	24,601.12	99,655.38	516,623.50	516,623.50
A.1.1(11)	Provision of Provision of Furnitures/Fixtures, Equipment and Appliances for the Field Office for the Field Engineer	AS EVALUATED									
		AS SUBMITTED	1.00	L.S.	333,873.33	8.00%	26,709.87	18,029.16	44,739.03	378,612.36	378,612.36
A.1.2(5)	Operation and Maintenance of 4 x 4 Pick-Up Type Service Vehicle for the Engineer	AS EVALUATED									
		AS SUBMITTED	5.93	month	285,816.10	0.00%	-	14,290.81	14,290.81	300,106.91	50,579.82
	TOTAL OF PART A	AS EVALUATED									
		AS SUBMITTED			1,036,657.55		101,764.13	56,921.08	158,685.21	1,195,342.76	
PART B	Other General Requirements										
B.4(1)	Construction Survey & Staking	AS EVALUATED									
		AS SUBMITTED	3.69	km.	163,752.85	18.00%	29,475.51	9,661.42	39,136.93	202,889.79	55,018.12
B.5	Project Billboard/Signboard	AS EVALUATED									
		AS SUBMITTED	4.00	each	18,583.10	18.00%	3,344.96	1,096.40	4,441.36	23,024.46	5,756.12
B.7	Occupation Safety & Health	AS EVALUATED									
		AS SUBMITTED	5.93	month	206,458.77	8.00%	16,516.70	11,148.77	27,665.48	234,124.25	39,459.14
B.9	Mobilization & Demobilization	AS EVALUATED									
		AS SUBMITTED	1.00	L.S.	546,978.00	0.00%	-	27,348.90	27,348.90	574,326.90	574,326.90
	TOTAL OF PART B	AS EVALUATED									
		AS SUBMITTED			935,772.72		49,337.17	49,255.49	98,592.67	1,034,365.39	
PART C	Earthworks										
102(1)	Unsuitable Excavation	AS EVALUATED									
		AS SUBMITTED	1,027.00	cu.m.	246,699.73	18.00%	44,405.95	14,555.28	58,961.23	305,660.96	297.63
102(2)	Surplus Common Excavation	AS EVALUATED									
		AS SUBMITTED	5,817.00	cu.m.	832,440.69	18.00%	149,839.32	49,114.00	198,953.33	1,031,394.02	177.31
103(3)	Foundation Fill	AS EVALUATED									
		AS SUBMITTED	7.00	cu.m.	15,641.37	18.00%	2,815.45	922.84	3,738.29	19,379.66	2,768.52
103(6)a	Pipe Culverts and Drain Excavation	AS EVALUATED									
		AS SUBMITTED	47.00	cu.m.	10,882.80	18.00%	1,958.90	642.09	2,600.99	13,483.79	286.89
104(1)a	Embankment from Roadway Excavation	AS EVALUATED									
		AS SUBMITTED	9,517.00	cu.m.	2,201,494.40	18.00%	396,268.99	129,888.17	526,157.16	2,727,651.56	286.61
104(5)	Boulder Fill	AS EVALUATED									
		AS SUBMITTED	3,303.00	cu.m.	5,518,124.38	18.00%	993,262.39	325,569.34	1,318,831.73	6,836,956.11	2,069.92
105(1)a	Subgrade Preparation	AS EVALUATED									
		AS SUBMITTED	24,660.00	sq.m.	395,732.38	18.00%	71,231.83	23,348.21	94,580.04	490,312.42	19.88
	TOTAL OF PART C	AS EVALUATED									
		AS SUBMITTED			9,221,015.76		1,659,782.84	544,039.93	2,203,822.77	11,424,838.52	

ITEM NO.	DESCRIPTION	QTY	UNIT	ESTIMATED DIRECT COST	TOTAL MARK-UP		VAT	TOTAL INDIRECT COST	TOTAL COST	UNIT COST
					%	VALUE				
PART D	Subbase and Base Course									
200(1)	Aggregate Subbase Course	AS EVALUATED								
		AS SUBMITTED	14,633.00	cu.m.	16,064,572.00	18.00%	2,891,622.96	947,809.75	3,839,432.71	19,904,004.71
	TOTAL OF PART D	AS EVALUATED								
		AS SUBMITTED			16,064,572.00		2,891,622.96	947,809.75	3,839,432.71	19,904,004.71
PART E	Surface Courses									
300(1)	Gravel Surface Course	AS EVALUATED								
		AS SUBMITTED	1,748.00	cu.m.	1,961,224.10	18.00%	353,020.34	115,712.22	468,732.56	2,429,956.66
311(1)a	Portland Cement Concrete Pavement (0.15 m. thk.)	AS EVALUATED								
		AS SUBMITTED	641.00	sq.m.	612,070.69	18.00%	110,172.72	36,112.17	146,284.89	758,355.58
311(1)e1	Portland Cement Concrete Pavement (0.28 m. thk.)	AS EVALUATED								
		AS SUBMITTED	33,253.00	sq.m.	58,327,755.40	18.00%	10,498,995.97	3,441,337.57	13,940,333.54	72,268,088.94
	TOTAL OF PART E	AS EVALUATED								
		AS SUBMITTED			60,901,050.19		10,962,189.03	3,593,161.96	14,555,350.99	75,456,401.18
PART G	Drainage and Slope Protection Structures									
500(1)b3	Pipe Culverts	AS EVALUATED								
		AS SUBMITTED	48.00	ln.m.	145,649.22	18.00%	26,216.86	8,593.30	34,810.16	180,459.38
505(2)a	Grouted Riprap, Class "A"	AS EVALUATED								
		AS SUBMITTED	22.00	cu.m.	83,638.61	18.00%	15,054.95	4,934.68	19,989.63	103,628.23
506(1)	Stone Masonry	AS EVALUATED								
		AS SUBMITTED	60.00	cu.m.	276,709.51	18.00%	49,807.71	16,325.86	66,133.57	342,843.09
	TOTAL OF PART G	AS EVALUATED								
		AS SUBMITTED			505,997.34		91,079.52	29,853.84	120,933.36	626,930.71
PART H	Miscellaneous Structure									
612(1)	Reflectorized Thermoplastic Pavement Markings (White)	AS EVALUATED								
		AS SUBMITTED	1,098.00	sq.m.	814,272.40	18.00%	146,569.03	48,042.07	194,611.10	1,008,883.50
612(2)	Reflectorized Thermoplastic Pavement Markings (Yellow)	AS EVALUATED								
		AS SUBMITTED	47.00	sq.m.	38,392.17	18.00%	6,910.59	2,265.14	9,175.73	47,567.90
715(1)	Geotextile	AS EVALUATED								
		AS SUBMITTED	61.00	sq.m.	10,799.56	18.00%	1,943.92	637.17	2,581.09	13,380.65
	TOTAL OF PART H	AS EVALUATED								
		AS SUBMITTED			863,464.13		155,423.54	50,944.38	206,367.93	1,069,832.06
	GRAND TOTAL	AS SUBMITTED			89,528,529.69		15,911,199.20	5,271,986.44	21,183,185.64	110,711,715.33

Preparation and Submission:

Prepared by:



ELWICK P. ACUÑA

Engineer II

Maintenance Division

Checked/Submited by:



ISIDRA A. ESTANISLAO

Engineer IV

Maintenance Division

Evaluation:

Reviewed by:



SATURNINO C. TORRE FRANCA

District Engineer


Planning & Design Division

Item No./Description : A.1.1(3)
Construction of Field Office for the Engineer
Unit of Measurement : 1.00 L.S.
Output per hour-As Submitted :
Output per hour-As Evaluated :


Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
Labor				
a. Construction Foreman	1	64	86.51	5,536.48
b. Masons	3	64	62.43	11,986.80
c. Carpenters	3	64	62.43	11,986.80
d. Laborers	6	64	48.13	18,480.96
Sub-Total for A-1 As Submitted				47,991.04
Labor				
Sub-Total for A-2 As Evaluated				
A.2				
Sub-Total for A-2 As Evaluated				
Name and Capacity	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
Equipment				
a. One Bagger Mixer	1	48	172.00	8,256.00
b. Water Truck	1	8	2,450.00	19,600.00
Minor Tools 10% of Labor Cost				4,799.10
Sub-Total for B-1 As Submitted				32,655.10
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				80,646.14
C.2				
Total (A.2+B.2) - As Evaluated				
D.1				
Output per Hour - As Submitted				
D.2				
Output per Hour - As Evaluated				
E.1				
Direct Unit Cost (C.1 ÷ D.1) - As Submitted				80,646.14
E.2				
Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
Materials				
I Earthworks (Excavation, Embankment & Bedding)				
a. Gravel Bedding	cu.m.	3.50	1,416.91	4,959.19
b. Selected Fill	cu.m.	10.00	388.35	3,883.50
c. Soil Poisoning	L	2.50	1,900.00	4,750.00
II Concrete Works (Footings, Columns, Beams, & Slab on Grade)				
a. Portland Cement	bag	90.00	303.00	27,270.00
b. Crushed Gravel	cu.m.	21.00	1,416.91	29,755.11
c. Washed Sand	cu.m.	18.00	1,626.91	29,284.38
III Reinforcing Bars (Footings, Columns, Beams, & Slab on Grade)				
a. Deformed Round Bar, Grade 40	kg.	435.00	36.00	16,530.00
b. No. 16 G.I. Tie Wire	kg.	20.00	80.00	1,600.00
IV Formworks (Columns & Beams)				
a. Coco Lumber	bd.ft.	400.00	13.00	5,200.00
b. Ordinary Plywood, 1/4" x 4' x 8'	pc.	18.00	610.00	10,980.00
c. CWN Assorted	kg.	5.00	65.00	325.00
V Masonry Works (Masonry Wall & Plastering)				
a. CHB 6" thk.	pc.	650.00	16.00	10,400.00
b. Portland Cement	bag	45.00	303.00	13,635.00
c. Washed Sand	cu.m.	8.00	1,626.91	13,015.28
d. 10 mm. x 6 m. RSB	kg.	65.00	38.00	2,470.00
e. No. 16 G.I. Tie Wire	kg.	2.50	100.00	250.00
VI Doors and Windows				
a. D-1, Hollow Core Flush Type Swing Door, Complete with Accessories, 0.90 m. x 2.10 m.	set	2.00	1,765.26	3,530.52
b. W-1, Jalousie Window, 1.40 m. x 1.20 m.	set	2.00	924.00	1,848.00
c. W-2, Jalousie Window, 2.80 m. x 1.20 m.	set	2.00	1,848.00	3,696.00

VII Steel Works								
a.	65 mm. x 65 mm. x 6 mm. Angle	kg.	350.00	48.00	16,800.00			
b.	50 mm. x 50 mm. x 6 mm. Angle Bar	kg.	250.00	48.00	12,000.00			
c.	50 mm. x 50 mm. x 4 mm. Angle Bar	kg.	100.00	48.00	4,800.00			
d.	Pullins C- 150 x 50 x 3mm.	kg.	18.00	48.00	864.00			
e.	16mm dia. Cross bracing	kg.	35.00	38.00	1,330.00			
f.	16mm dia. Turn buckle	pc.	20.00	118.00	2,360.00			
g.	12mm thk base plate	kg.	25.00	47.00	1,175.00			
h.	10mm thk batten plate	kg.	15.00	47.00	705.00			
i.	10mm dia. Sag rod	kg.	10.00	38.00	380.00			
j.	20mm dia. X 350 mm anchor bolts	pc.	10.00	36.00	360.00			
k.	Welding Rod	kg.	15.00	163.00	2,445.00			
l.	Primer, Zinc Chromate	gal.	5.00	531.00	2,655.00			
VIII Roofing Works								
a.	Pre-painted GI Roofing Sheet long span	sq.m.	55.00	420.00	23,100.00			
b.	Pre-painted ridge roll ga 24, 0.60m width	ln.m.	10.00	189.00	1,890.00			
c.	Pre-painted flashing, ga. 24	ln.m.	2.00	189.00	378.00			
d.	Telescrew 11/2"	pc.	1000.00	2.00	2,000.00			
e.	Roof Sealant	l	2.00	250.00	500.00			
IX Carpentry Works								
a.	Rough Lumber, sun dried tangile	bd.ft.	500.00	37.00	18,500.00			
b.	Plywood, ordinary 1/4" x 4 x 8'	pc.	30.00	450.00	13,500.00			
c.	Finishing Nails	kg.	5.00	110.00	550.00			
d.	Common Wire Nails	kg.	10.00	65.00	650.00			
e.	Wood Preservative Brown	l	5.00	400.00	2,000.00			
X Electrical Works								
a.	2 x 40w Fluorescent lighting fixtures	set	5.00	1,030.00	5,150.00			
b.	Porcelain Ceiling Outlet w/ female socket	pc	2.00	50.00	100.00			
c.	Duplex Convenience outlet	pc	3.00	170.00	510.00			
d.	two gang switch	pc	3.00	170.00	510.00			
e.	3.5mm2 thw	roll	3.00	3,600.00	10,800.00			
f.	8.00mm2 thw	m	25.00	70.00	1,750.00			
g.	15mm dia. PVC pipe	pc	20.00	73.00	1,460.00			
h.	15mm dia. PVC Coupling	pc	25.00	5.00	125.00			
i.	15mm dia. PVC Elbow	pc	25.00	26.00	650.00			
j.	15mm dia. PVC Clamp	pc	55.00	8.00	440.00			
k.	20mm dia. RSC Pipe	pc	4.00	240.00	960.00			
l.	20mm dia. RSC Coupling	pc	3.00	9.00	27.00			
m.	20mm dia. RSC elbow	pc	3.00	30.00	90.00			
n.	20mm dia. RSC Clamp	pc	10.00	18.00	180.00			
o.	20mm dia. Service entrance cap	pc	2.00	100.00	200.00			
p.	wire holder	pc	2.00	50.00	100.00			
q.	utility box	pc	7.00	32.00	224.00			
r.	octagonal box	pc	8.00	34.00	272.00			
s.	electrical tape (big)	pc	7.00	31.00	217.00			
t.	panel board (side main w/ braches)	set	2.00	1,627.00	3,254.00			
XI Plumbing Works								
a.	Water Closet (include. Fitting & Accessories)	set	1.00	7,375.00	7,375.00			
b.	Lavatory (include fitting & Accessories)	set	1.00	6,615.00	6,615.00			
c.	1/2" GI Pipe S-40	pc	2.00	166.00	332.00			
d.	1/2" Water Faucet	pc	2.00	321.00	642.00			
e.	1/2" Assorted Connector	pc	8.00	20.00	160.00			
f.	4" PVC series 1000	pc	1.00	640.00	640.00			
g.	2" PVC series 1000	pc	1.00	305.00	305.00			
h.	4" PVC assorted Connector	pc	6.00	77.00	462.00			
i.	2" PVC assorted Connector	pc	8.00	56.00	448.00			
Sub-Total for F-1 As Submitted					336,321.98			
Equipment								
F 2								
Sub-Total for F-2 As Evaluated								
G.1	Direct Unit Cost (E.1+F.1) - As Submitted				416,968.12			
G.2	Direct Unit Cost (E.2+F.2) - As Evaluated							
H.1	Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				41,696.81			
H.2	Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated							
I.1	Contractor's Profit - As Submitted				33,357.45			
I.2	Contractor's Profit - As Evaluated							
J.1	Value Added Tax - As Submitted				24,601.12			
J.2	Value Added Tax - As Evaluated							
K.1	Total Unit Cost - As Submitted				516,623.50			
K.2	Total Unit Cost - As Evaluated							

Prepared by:


ELWICK P. ACUÑA
 Engineer II

Checked/Reviewed

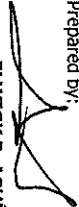

ISIDRA A. ESTANISLAO
 Engineer IV


Item No./Description : A.1.1(11)
Unit of Measurement : Provision of Furnitures/Fixtures, Equipment and Appliances for the Field Office for the Field
Output per hour-As Submitted : 1.00 L.S.
Output per hour-As Evaluated :

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
A.1 Labor				
Sub-Total for A-1 As Submitted				-
Labor				
A.2 Sub-Total for A-2 As Evaluated				
Name and Capacity	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
B.1 Equipment				
Sub-Total for B-1 As Submitted				-
Equipment				
B.2 Sub-Total for B-2 As Evaluated				
C.1 Total (A.1+B.1) - As Submitted				-
C.2 Total (A.2+B.2) - As Evaluated				-
D.1 Output per Hour - As Submitted				-
D.2 Output per Hour - As Evaluated				-
E.1 Direct Unit Cost (C.1 ÷ D.1) - As Submitted				-
E.2 Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				-
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
Materials				
Office Equipment/Facilities & Supplies				
a. Electric Desk Fan	unit	2.00	1,370.00	2,740.00
b. Folding Beds, Good Quality	each	2.00	2,700.00	5,400.00
c. pillows w/ pillow cases, fitted sheets and blanket	each	2.00	5,000.00	10,000.00
d. Double burner gas stove (Gasul)	unit	1.00	3,700.00	3,700.00
e. 10 cups Rice Cooker	unit	1.00	2,500.00	2,500.00
f. Various Office Supply (Folders, Bond Paper, Yellow Pads, Ball Pens, Pencil, Envelopes, etc.)	L.S.	1.00	45,000.00	45,000.00
g. Kitchenware (Plates, Spoons & Forks, Glasses, etc.)	L.S.	1.00	30,000.00	30,000.00
h. Dining Table	set	1.00	8,000.00	8,000.00
i. Digital Camera	set	2.00	12,000.00	24,000.00
j. Cellphone	set	4.00	15,000.00	60,000.00
k. Desktop Computer	set	1.00	95,000.00	95,000.00
l. Printer	set	1.00	14,900.00	14,900.00
Lighting/Water Fixtures				
a. Electrical Bill	mo.	5.93	3,000.00	17,800.00
b. Water Bill	mo.	5.93	1,500.00	8,900.00
c. LPG (11 kg)	mo.	5.93	1,000.00	5,933.33
Sub-Total for F-1 As Submitted				333,873.33
Equipment				
F.2 Sub-Total for F-2 As Evaluated				
G.1 Direct Unit Cost (E.1+F.1) - As Submitted				333,873.33
G.2 Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1 Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				-
H.2 Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1 Contractor's Profit - As Submitted				26,709.87
I.2 Contractor's Profit - As Evaluated				-
J.1 Value Added Tax - As Submitted				18,029.16
J.2 Value Added Tax - As Evaluated				-
K.1 Total Unit Cost - As Submitted				378,612.36
K.2 Total Unit Cost - As Evaluated				-

Prepared by:

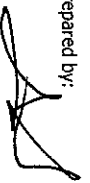
Checked/Reviewed


ELWICK P. ACUÑA
Engineer II


ISIDRA A. ESTANISLAO
Engineer IV

Item No./Description : A.1.2(5)
Unit of Measurement : Operation and Maintenance of 4 x 4 Pick-Up Type Service Vehicle for the Engineer
Output per hour-As Submitted : 5.93 month
Output per hour-As Evaluated :

Designation		No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
A.1	Labor				
	a. Driver	1	1,424.00	62.43	88,902.10
Sub-Total for A-1 As Submitted					88,902.10
A.2	Labor				
Sub-Total for A-2 As Evaluated					
B.1	Name and Capacity	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
Equipment					
Sub-Total for B-1 As Submitted					-
Equipment					
B.2	Sub-Total for B-2 As Evaluated				
C.1	Total (A.1+B.1) - As Submitted				88,902.10
C.2	Total (A.2+B.2) - As Evaluated				-
D.1	Output per Hour - As Submitted				-
D.2	Output per Hour - As Evaluated				
E.1	Direct Unit Cost (C.1 ÷ D.1) - As Submitted				-
E.2	Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)	
Materials					
a. Diesel	L	3,560.00	31.00	110,360.00	
b. Spare Parts	L.S.	1.00	40,000.00	40,000.00	
c. Engine Oil & Lubricants	L.S.	1.00	16,554.00	16,554.00	
d. Miscellaneous	L.S.	1.00	30,000.00	30,000.00	
Sub-Total for F-1 As Submitted				196,914.00	
Equipment					
Sub-Total for F-2 As Evaluated					
G.1	Direct Unit Cost (E.1+F.1) - As Submitted			196,914.00	
G.2	Direct Unit Cost (E.2+F.2) - As Evaluated			-	
H.1	Overhead, Contingencies & Miscellaneous (OCM) - As Submitted			-	
H.2	Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated			-	
I.1	Contractor's Profit - As Submitted			-	
I.2	Contractor's Profit - As Evaluated			-	
J.1	Value Added Tax - As Submitted			9,845.70	
J.2	Value Added Tax - As Evaluated			-	
K.1	Total Unit Cost - As Submitted			206,759.70	
K.2	Total Unit Cost - As Evaluated			-	

Prepared by:

ELWICK P. ACUÑA
Engineer II

Checked/Reviewed

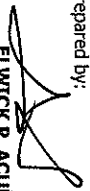
ISIDRA A. ESTANISLAO
Engineer IV

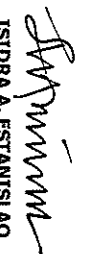
Item No./Description : B-4(1)
Unit of Measurement : Construction Survey & Staking
Output per hour-As Submitted : 3.69 km.
Output per hour-As Evaluated : 0.04

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
Labor				
For Field Works				
a. Geodetic Engineer	1	1	104.16	104.16
b. Skilled Laborer	3	1	62.43	187.29
c. Unskilled Laborer	3	1	48.13	144.38
For Office Works				
a. Geodetic Engineer	1	3	104.16	312.49
b. Skilled Laborer	2	3	62.43	374.59
Sub-Total for A-1 As Submitted				1,122.92
Labor				
Sub-Total for A-2 As Evaluated				
Name and Capacity	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
Equipment				
a. Total Station w/ Complete Accessories	1	1	100.00	100.00
Minor Tools 10% of Labor				112.29
Sub-Total for B-1 As Submitted				212.29
Equipment				
Sub-Total for B-2 As Evaluated				
C.1 Total (A.1+B.1) - As Submitted				1,335.21
C.2 Total (A.2+B.2) - As Evaluated				-
D.1 Output per Hour - As Submitted				0.04
D.2 Output per Hour - As Evaluated				
E.1 Direct Unit Cost (C.1 ÷ D.1) - As Submitted				33,380.27
E.2 Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
Materials				
a. Standard Stake Plan (800 mm x 910 mm)	pc.	20.00	400.00	8,000.00
b. Blue Printing	pc.	100.00	25.00	2,500.00
Miscellaneous 5% of Material Cost				525.00
Sub-Total for F-1 As Submitted				11,025.00
Equipment				
Sub-Total for F-2 As Evaluated				
G.1 Direct Unit Cost (E.1+F.1) - As Submitted				44,405.27
G.2 Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1 Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				4,440.53
H.2 Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1 Contractor's Profit - As Submitted				3,552.42
I.2 Contractor's Profit - As Evaluated				-
J.1 Value Added Tax - As Submitted				2,619.91
J.2 Value Added Tax - As Evaluated				-
K.1 Total Unit Cost - As Submitted				55,018.12
K.2 Total Unit Cost - As Evaluated				-

Prepared by:

Checked/Reviewed


ELWICK P. ACUÑA
Engineer II


ISIDRA A. ESTANISLAO
Engineer IV

Item No./Description : B.5
Project Billboard/Signboard
Unit of Measurement : 4.00 each
Output per hour-As Submitted :
Output per hour-As Evaluated :

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
Labor				
A.1				
a. Foreman	1	16	86.51	1,384.12
b. Skilled Laborer	1	16	62.43	998.90
c. Unskilled Laborer	2	16	48.13	1,540.08
Sub-Total for A-1 As Submitted				3,923.10
Labor				
A.2				
Sub-Total for A-2 As Evaluated				
B.1				
Equipment	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
Sub-Total for B-1 As Submitted				-
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				3,923.10
C.2				
Total (A.2+B.2) - As Evaluated				-
D.1				
Output per Hour - As Submitted				-
D.2				
Output per Hour - As Evaluated				-
E.1				
Direct Unit Cost (C.1 ÷ D.1) - As Submitted				-
E.2				
Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				-
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
Materials				
a. Ordinary Plywood 1/2" thk. x 4' x 8'	pc.	4.00	750.00	3,000.00
b. Tarpaulin (4' x 8')	pc.	4.00	1,000.00	4,000.00
c. Assorted Lumber	bd.ft.	200.00	37.00	7,400.00
d. Assorted CW Nails	kg.	4.00	65.00	260.00
Sub-Total for F-1 As Submitted				14,660.00
Equipment				
F.2				
Sub-Total for F-2 As Evaluated				
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				14,660.00
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				1,466.00
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1				
Contractor's Profit - As Submitted				1,172.80
I.2				
Contractor's Profit - As Evaluated				-
J.1				
Value Added Tax - As Submitted				864.94
J.2				
Value Added Tax - As Evaluated				-
K.1				
Total Unit Cost - As Submitted				18,163.74
K.2				
Total Unit Cost - As Evaluated				-

Prepared by:

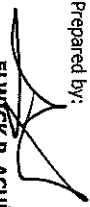
ELWICK P. ACUÑA
Engineer II


Checked/Reviewed

ISIDRA M. ESTANISLAO
Engineer IV

Item No./Description : B.9
Mobilization & Demobilization
Unit of Measurement : 1.00 L.S.
Output per hour-As Submitted :
Output per hour-As Evaluated :

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
A.1				
Labor				
Sub-Total for A-1 As Submitted				-
A.2				
Sub-Total for A-2 As Evaluated				
Name and Capacity	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
Equipment				
a. Low Bed Trailer	1	48	4,255.38	204,258.00
b. Water Truck	1	48	2,450.00	117,600.00
c. Backhoe	2	48	1,537.00	73,776.00
d. Dump Truck	4	48	1,420.00	68,160.00
e. Payloader	1	48	1,733.00	83,184.00
Sub-Total for B-1 As Submitted				546,978.00
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				546,978.00
C.2				
Total (A.2+B.2) - As Evaluated				-
D.1				
Output per Hour - As Submitted				
D.2				
Output per Hour - As Evaluated				
E.1				
Direct Unit Cost (C.1 ÷ D.1) - As Submitted				546,978.00
E.2				
Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
F.1				
Materials				
Sub-Total for F-1 As Submitted				-
Materials				
F.2				
Sub-Total for F-2 As Evaluated				
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				546,978.00
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				54,697.80
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1				
Contractor's Profit - As Submitted				43,758.24
I.2				
Contractor's Profit - As Evaluated				-
J.1				
Value Added Tax - As Submitted				32,271.70
J.2				
Value Added Tax - As Evaluated				-
K.1				
Total Unit Cost - As Submitted				677,705.74
K.2				
Total Unit Cost - As Evaluated				-

Prepared by:

ELWICK P. ACUÑA
Engineer II

Checked/Reviewed

ISIDRA A. ESTANISLAO
Engineer IV


Item No./Description : 102(1)
Unit of Measurement : Unsuitable Excavation
Output per hour-As Submitted : 1,027.00 cu.m.
Output per hour-As Evaluated : 20.00

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
Labor				
a. Foreman	1	1	86.51	86.51
A.1 b. Unskilled Laborer	3	1	48.13	144.38
Sub-Total for A-1 As Submitted				230.89
Labor				
A.2				
Sub-Total for A-2 As Evaluated				
Name and Capacity	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
Equipment				
a. Dump Truck (12 cu.yd.)	2	1	1,420.00	2,840.00
B.1 b. Backhoe (0.80 cu.m.)	1	1	1,537.00	1,537.00
c. Payloader (1.50 cu.m.) - disposal site	1	0.1	1,733.00	173.30
Minor Tools 10% of Labor				23.09
Sub-Total for B-1 As Submitted				4,573.39
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1 Total (A.1+B.1) - As Submitted				4,804.28
C.2 Total (A.2+B.2) - As Evaluated				-
D.1 Output per Hour - As Submitted				20.00
D.2 Output per Hour - As Evaluated				
E.1 Direct Unit Cost (C.1 ÷ D.1) - As Submitted				240.21
E.2 Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
F.1 Materials				
Sub-Total for F-1 As Submitted				-
Materials				
F.2				
Sub-Total for F-2 As Evaluated				
G.1 Direct Unit Cost (E.1+F.1) - As Submitted				240.21
G.2 Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1 Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				24.02
H.2 Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1 Contractor's Profit - As Submitted				19.22
I.2 Contractor's Profit - As Evaluated				-
J.1 Value Added Tax - As Submitted				14.17
J.2 Value Added Tax - As Evaluated				-
K.1 Total Unit Cost - As Submitted				297.63
K.2 Total Unit Cost - As Evaluated				-

Prepared by:

Checked/Reviewed


ELWICK P. ACUÑA
Engineer II


ISIDRA A. ESTANISLAO
Engineer IV

Item No./Description : 102(2)
Unit of Measurement : Surplus Common Excavation
Output per hour-As Submitted : 5,817.00 cu.m.
Output per hour-As Evaluated : 60.00

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
Labor				
a. Foreman	1	1	86.51	86.51
b. Unskilled Laborer	2	1	48.13	96.26
Sub-Total for A-1 As Submitted				182.76
Labor				
Sub-Total for A-2 As Evaluated				
Name and Capacity	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
Equipment				
a. Bulldozer, D6H SERIES II PSDS/DD	1	1	3,379.00	3,379.00
b. Payloader (1.50 cu.m.)	1	1	1,733.00	1,733.00
c. Payloader (1.50 cu.m.) - disposal site	1	0.25	1,733.00	433.25
c. Dump Truck (12 cu.yd.)	2	1	1,420.00	2,840.00
Minor Tools 10% of Labor				18.28
Sub-Total for B-1 As Submitted				8,403.53
Equipment				
Sub-Total for B-2 As Evaluated				
C.1 Total (A.1+B.1) - As Submitted				8,586.29
C.2 Total (A.2+B.2) - As Evaluated				-
D.1 Output per Hour - As Submitted				60.00
D.2 Output per Hour - As Evaluated				
E.1 Direct Unit Cost (C.1 ÷ D.1) - As Submitted				143.10
E.2 Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
F.1 Materials				
Sub-Total for F-1 As Submitted				-
Materials				
Sub-Total for F-2 As Evaluated				
G.1 Direct Unit Cost (E.1+F.1) - As Submitted				143.10
G.2 Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1 Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				14.31
H.2 Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1 Contractor's Profit - As Submitted				11.45
I.2 Contractor's Profit - As Evaluated				-
J.1 Value Added Tax - As Submitted				8.44
J.2 Value Added Tax - As Evaluated				-
K.1 Total Unit Cost - As Submitted				177.31
K.2 Total Unit Cost - As Evaluated				-

Prepared by:


ELWICK P. ACUÑA

Engineer II

Checked/Reviewed


ISIDRA A. ESTANISLAO

Engineer IV

Item No./Description : B.7
 Occupation Safety & Health
 Unit of Measurement : 5.93 month
 Output per hour-As Submitted :
 Output per hour-As Evaluated :

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
A.1				
Labor				
a. Safety Practioner	1	356.00	86.51	30,796.67
b. First Alder	1	1424.00	62.43	88,902.10
Sub-Total for A-1 As Submitted				119,698.77
Labor				
A.2				
Sub-Total for A-2 As Evaluated				
Name and Capacity	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
B.1				
Equipment				
a. Warning Signs and Barricades				60,000.00
Sub-Total for B-1 As Submitted				60,000.00
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				179,698.77
C.2				
Total (A.2+B.2) - As Evaluated				-
D.1				
Output per Hour - As Submitted				-
D.2				
Output per Hour - As Evaluated				
E.1				
Direct Unit Cost (C.1 ÷ D.1) - As Submitted				179,698.77
E.2				
Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
Materials				
a. Rubber Boots (Long w/ Steel Toe, Black)	pair	24.00	400.00	9,600.00
b. Working Gloves (Maong Materials)	pair	24.00	15.00	360.00
c. Rain Coats (Reinforced, Hip Length)	pc	24.00	100.00	2,400.00
d. Safety Hats	pc	24.00	600.00	14,400.00
Sub-Total for F-1 As Submitted				26,760.00
Equipment				
F.2				
Sub-Total for F-2 As Evaluated				
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				206,458.77
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				
I.1				
Contractor's Profit - As Submitted				16,516.70
I.2				
Contractor's Profit - As Evaluated				
J.1				
Value Added Tax - As Submitted				11,148.77
J.2				
Value Added Tax - As Evaluated				
K.1				
Total Unit Cost - As Submitted				234,124.25
K.2				
Total Unit Cost - As Evaluated				

Prepared by:


ELWICK P. ACUÑA
 Engineer II

Checked/Reviewed

ISIDRA A. ESTANISLAO
 Engineer IV

Item No./Description : 103(3)
Foundation Fill
Unit of Measurement : 7.00 cu.m.
Output per hour-As Submitted : 1.25
Output per hour-As Evaluated :

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
Labor				
a. Foreman	1	1	86.51	86.51
b. Unskilled Laborer	4	1	48.13	192.51
Sub-Total for A-1 As Submitted				279.02
Labor				
Sub-Total for A-2 As Evaluated				
Name and Capacity	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
Equipment				
a. Plate Compactor (5 hp)	1	1	123.00	123.00
b. Water Truck/Pump (16000 L)	1	0.01	2,450.00	24.50
Minor Tools 10% of Labor				27.90
Sub-Total for B-1 As Submitted				175.40
Equipment				
Sub-Total for B-2 As Evaluated				
C.1 Total (A.1+B.1) - As Submitted				454.42
C.2 Total (A.2+B.2) - As Evaluated				-
D.1 Output per Hour - As Submitted				1.25
D.2 Output per Hour - As Evaluated				
E.1 Direct Unit Cost (C.1 ÷ D.1) - As Submitted				363.54
E.2 Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
F.1 Materials				
a. Filling Materials (Well Graded Sand)	cu.m.	1.15	1,626.91	1,870.95
Sub-Total for F-1 As Submitted				1,870.95
Materials				
F.2 Sub-Total for F-2 As Evaluated				
G.1 Direct Unit Cost (E.1+F.1) - As Submitted				2,234.48
G.2 Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1 Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				223.45
H.2 Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1 Contractor's Profit - As Submitted				178.76
I.2 Contractor's Profit - As Evaluated				-
J.1 Value Added Tax - As Submitted				131.83
J.2 Value Added Tax - As Evaluated				-
K.1 Total Unit Cost - As Submitted				2,768.52
K.2 Total Unit Cost - As Evaluated				-

Prepared by:

ELWICK P. ACUÑA
Engineer II

Checked/Reviewed


ISIDRA A. ESTANISLAO
Engineer IV

Item No./Description : 103(6)a
Pipe Culverts and Drain Excavation
Unit of Measurement : 47.00 cu.m.
Output per hour-As Submitted : 20.00
Output per hour-As Evaluated :

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
A.1				
Labor				
a. Foreman	1	1	86.51	86.51
b. Unskilled Laborer	3	1	48.13	144.38
Sub-Total for A-1 As Submitted				230.89
Labor				
A.2				
Sub-Total for A-2 As Evaluated				
Name and Capacity	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
B.1				
Equipment				
a. Dump Truck (12 cu.yd.)	2	1	1,420.00	2,840.00
b. Backhoe (0.80 cu.m.)	1	1	1,537.00	1,537.00
Minor Tools 10% of Labor				23.09
Sub-Total for B-1 As Submitted				4,400.09
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				4,630.98
C.2				
Total (A.2+B.2) - As Evaluated				-
D.1				
Output per Hour - As Submitted				20.00
D.2				
Output per Hour - As Evaluated				
E.1				
Direct Unit Cost (C.1 ÷ D.1) - As Submitted				231.55
E.2				
Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
F.1				
Materials				
Sub-Total for F-1 As Submitted				-
F.2				
Materials				
Sub-Total for F-2 As Evaluated				
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				231.55
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				23.15
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1				
Contractor's Profit - As Submitted				18.52
I.2				
Contractor's Profit - As Evaluated				-
J.1				
Value Added Tax - As Submitted				13.66
J.2				
Value Added Tax - As Evaluated				-
K.1				
Total Unit Cost - As Submitted				286.89
K.2				
Total Unit Cost - As Evaluated				-

Prepared by:

Checked/Reviewed


ELWICK P. ACUÑA
Engineer II


ISIDRA A. ESTANISLAO
Engineer IV

:	104(1)a
:	Embank
:	9,517
:	50.0
:	

	Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
	Labor				
	For Excavation Work				
	a. Foreman	1	0.83	86.51	71.80
	b. Unskilled Laborer	2	0.83	48.13	79.89
A.1	Spreading and Compaction				
	a. Foreman	1	1	86.51	86.51
	b. Unskilled Laborer	2	1	48.13	96.26
	Sub-Total for A-1 As Submitted				334.46
	Labor				
A.2					
	Sub-Total for A-2 As Evaluated				
	Name and Capacity	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
	Equipment				
	For Excavation Work				
B.1	a. Bulldozer, D6H Series II PSDS/DD	1	0.83	3,379.00	2,804.57
	b. Payloader (1.50 cu.m.)	1	0.83	1,733.00	1,438.39
	c. Dump Truck (12 cu.yd.)	2	0.83	1,420.00	2,357.20
	Spreading and Compaction				
	a. Motorized Road Grader (140 hp), G170A	1	1	2,173.00	2,173.00
	b. Vibratory Roller (10 mt), SD100C	1	1	1,846.00	1,846.00
	c. Water Truck/Pump (16000L)	1	0.25	2,450.00	612.50
	Sub-Total for B-1 As Submitted				11,231.66
	Equipment				
B.2					
	Sub-Total for B-2 As Evaluated				
	C.1 Total (A.1+B.1) - As Submitted				11,566.12
	C.2 Total (A.2+B.2) - As Evaluated				-
	D.1 Output per Hour - As Submitted				50.00
	D.2 Output per Hour - As Evaluated				
	E.1 Direct Unit Cost (C.1 + D.1) - As Submitted				231.32
	E.2 Direct Unit Cost (C.2 + D.2) - As Evaluated				
F.1	Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
	Materials				
	Sub-Total for F-1 As Submitted				-
	Equipment				
F.2					
	Sub-Total for F-2 As Evaluated				
	G.1 Direct Unit Cost (E.1+F.1) - As Submitted				231.32
G.2	Direct Unit Cost (E.2+F.2) - As Evaluated				-
	H.1 Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				23.13
	H.2 Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
	I.1 Contractor's Profit - As Submitted				18.51
I.2	Contractor's Profit - As Evaluated				-
	J.1 Value Added Tax - As Submitted				13.65
	J.2 Value Added Tax - As Evaluated				-
	K.1 Total Unit Cost - As Submitted				286.61
K.2	Total Unit Cost - As Evaluated				-

EL WICK P. ACUÑA

ISIDRA A. ESTANISLAO

Engineer IV

Item No./Description : 104(5)
Boulder Fill
Unit of Measurement : 3,303.00 cu.m.
Output per hour-As Submitted : 6.25
Output per hour-As Evaluated :

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
Labor				
a. Foreman	1	1	86.51	86.51
b. Skilled Laborer	2	1	62.43	124.86
c. Unskilled Laborer	8	1	48.13	385.02
Sub-Total for A-1 As Submitted				596.39
Labor				
A.2				
Sub-Total for A-2 As Evaluated				
Name and Capacity	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
B.1				
a. Backhoe (0.80 cu.m.)	1	1	1,537.00	1,537.00
Minor Tools 10% of Labor				59.64
Sub-Total for B-1 As Submitted				1,596.64
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				2,193.03
C.2				
Total (A.2+B.2) - As Evaluated				-
D.1				
Output per Hour - As Submitted				6.25
D.2				
Output per Hour - As Evaluated				
E.1				
Direct Unit Cost (C.1 ÷ D.1) - As Submitted				350.88
E.2				
Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
F.1				
Materials				
a. Boulders (with 5% wastage factor)	cu.m.	1.05	1,256.91	1,319.76
Sub-Total for F-1 As Submitted				1,319.76
Materials				
F.2				
Sub-Total for F-2 As Evaluated				
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				1,670.64
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				167.06
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1				
Contractor's Profit - As Submitted				133.65
I.2				
Contractor's Profit - As Evaluated				-
J.1				
Value Added Tax - As Submitted				98.57
J.2				
Value Added Tax - As Evaluated				-
K.1				
Total Unit Cost - As Submitted				2,069.92
K.2				
Total Unit Cost - As Evaluated				-

Prepared by:

Checked/Reviewed



ELWICK P. ACUÑA
Engineer II


ISIDRA A. ESTANISLAO
Engineer IV

Item No./Description : 105(1)a
Subgrade Preparation
Unit of Measurement : 24,660.00 sq.m.
Output per hour-As Submitted : 300.00
Output per hour-As Evaluated :

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
Labor				
a. Foreman	1	1	86.51	86.51
b. Unskilled Laborer	2	1	48.13	96.26
Sub-Total for A-1 As Submitted				182.76
Labor				
Sub-Total for A-2 As Evaluated				
Name and Capacity	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
Equipment				
a. Backhoe (0.80 cu.m.)	1	1	2,173.00	2,173.00
b. Vibratory Roller (10 mt), SD100C	1	1	1,846.00	1,846.00
c. Water Truck/Pump (16000 l)	1	0.25	2,450.00	612.50
Sub-Total for B-1 As Submitted				4,631.50
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1 Total (A.1+B.1) - As Submitted				4,814.26
C.2 Total (A.2+B.2) - As Evaluated				-
D.1 Output per Hour - As Submitted				300.00
D.2 Output per Hour - As Evaluated				
E.1 Direct Unit Cost (C.1 ÷ D.1) - As Submitted				16.05
E.2 Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
F.1 Materials				
Sub-Total for F-1 As Submitted				-
Materials				
F.2				
Sub-Total for F-2 As Evaluated				
G.1 Direct Unit Cost (E.1+F.1) - As Submitted				16.05
G.2 Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1 Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				1.60
H.2 Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1 Contractor's Profit - As Submitted				1.28
I.2 Contractor's Profit - As Evaluated				-
J.1 Value Added Tax - As Submitted				0.95
J.2 Value Added Tax - As Evaluated				-
K.1 Total Unit Cost - As Submitted				19.88
K.2 Total Unit Cost - As Evaluated				-

Prepared by: 
ELWICK P. ACUÑA
Engineer II

Checked/Reviewed 
ISIDRA A. ESTANISLAO
Engineer IV

Item No./Description : 200(1)
 Aggregate Subbase Course
 Unit of Measurement : 14,633.00 cu.m.
 Output per hour-As Submitted : 50.00
 Output per hour-As Evaluated :

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
Labor				
a. Foreman	1	1	86.51	86.51
b. Unskilled Laborer	2	1	48.13	96.26
Sub-Total for A-1 As Submitted				182.76
Labor				
Sub-Total for A-2 As Evaluated				
Name and Capacity	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
Equipment				
a. Motorized Road Grader (140 hp), G710A	1	1	2,173.00	2,173.00
b. Vibratory Roller (10 mt), SD100C	1	1	1,846.00	1,846.00
c. Water Truck/Pump (16000 L)	1	0.25	2,450.00	612.50
Sub-Total for B-1 As Submitted				4,631.50
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1 Total (A.1+B.1) - As Submitted				4,814.26
C.2 Total (A.2+B.2) - As Evaluated				-
D.1 Output per Hour - As Submitted				50.00
D.2 Output per Hour - As Evaluated				
E.1 Direct Unit Cost (C.1 ÷ D.1) - As Submitted				96.29
E.2 Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
F.1				
a. Aggregate Subbase Course	cu.m.	1.15	870.91	1,001.55
(with 15% wastage factor)				
Sub-Total for F-1 As Submitted				1,001.55
Materials				
F.2				
Sub-Total for F-2 As Evaluated				
G.1 Direct Unit Cost (E.1+F.1) - As Submitted				1,097.83
G.2 Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1 Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				109.78
H.2 Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1 Contractor's Profit - As Submitted				87.83
I.2 Contractor's Profit - As Evaluated				-
J.1 Value Added Tax - As Submitted				64.77
J.2 Value Added Tax - As Evaluated				-
K.1 Total Unit Cost - As Submitted				1,360.21
K.2 Total Unit Cost - As Evaluated				-

Prepared by: 
 ELWICK P. ACUÑA
 Engineer II


Checked/Reviewed 
 ISIDRA A. ESTANISLAO
 Engineer IV


Item No./Description : 300(1)
Unit of Measurement : Gravel Surface Course
Output per hour-As Submitted : 1,748.00 cu.m.
Output per hour-As Evaluated : 50.00

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
Labor				
a. Foreman	1	1	86.51	86.51
b. Unskilled Laborer	2	1	48.13	96.26
Sub-Total for A-1 As Submitted				182.76
Labor				
Sub-Total for A-2 As Evaluated				
Equipment				
a. Motorized Road Grader (140 hp), G710A	1	1	2,173.00	2,173.00
b. Vibratory Roller (10 m), SD100C	1	1	1,846.00	1,846.00
c. Water Truck/Pump (16000 L)	1	0.25	2,450.00	612.50
Sub-Total for B-1 As Submitted				4,631.50
Equipment				
Sub-Total for B-2 As Evaluated				
C.1 Total (A.1+B.1) - As Submitted				4,814.26
C.2 Total (A.2+B.2) - As Evaluated				-
D.1 Output per Hour - As Submitted				50.00
D.2 Output per Hour - As Evaluated				
E.1 Direct Unit Cost (C.1 ÷ D.1) - As Submitted				96.29
E.2 Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
F.1				
a. Uncrushed Aggregate Surface Course	cu.m.	1.15	891.91	1,025.70
(with 15% wastage factor)				
Sub-Total for F-1 As Submitted				1,025.70
Equipment				
Sub-Total for F-2 As Evaluated				
G.1 Direct Unit Cost (E.1+F.1) - As Submitted				1,121.98
G.2 Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1 Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				112.20
H.2 Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1 Contractor's Profit - As Submitted				89.76
I.2 Contractor's Profit - As Evaluated				-
J.1 Value Added Tax - As Submitted				66.20
J.2 Value Added Tax - As Evaluated				-
K.1 Total Unit Cost - As Submitted				1,390.14
K.2 Total Unit Cost - As Evaluated				-

Prepared by:

Checked/Reviewed


ELWICK P. ACUÑA
Engineer II


ISIDRA A. ESTANISLAO
Engineer IV

Item No./Description : 311(1)a
Unit of Measurement : Portland Cement Concrete Pavement (0.15 m. thk.)
Output per hour-As Submitted : 641.00 sq.m.
Output per hour-As Evaluated : 107.33

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
Labor				
A.1				
a. Foreman	1	1	86.51	86.51
b. Skilled Laborer	4	1	62.43	249.73
b. Unskilled Laborer	12	1	48.13	577.53
Sub-Total for A-1 As Submitted				913.76
Labor				
A.2				
Sub-Total for A-2 As Evaluated				
Name and Capacity	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
Equipment				
a. Transit Mixer (5 cu.m.)	4	1	1,318.00	5,272.00
b. Concrete Vibrator	2	1	91.25	182.50
c. Concrete Batching Plant (30 cu.m.)	1	1	1,759.50	1,759.50
d. Payloader (1.50 cu.m.), LY80-2C	1	1	1,733.00	1,733.00
e. Concrete Screeder (5.5 hp)	1	1	545.00	545.00
B.1				
f. Water Truck/Pump (16000 L)	1	1	2,450.00	2,450.00
g. Concrete Saw (7.5 hp), 14" Blade dia.	1	1	32.63	32.63
h. Bar Cutter, Single Phase	1	0.1	219.75	21.98
Minor Tools				45.69
Sub-Total for B-1 As Submitted				12,042.29
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				12,956.06
C.2				
Total (A.2+B.2) - As Evaluated				-
D.1				
Output per Hour - As Submitted				107.33
D.2				
Output per Hour - As Evaluated				
E.1				
Direct Unit Cost (C.1 ÷ D.1) - As Submitted				120.71
E.2				
Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
Materials				
a. Reinforcing Steel Bar	kg.	0.33	38.00	12.54
b. Curing Compound	L	0.29	35.00	10.15
c. Asphalt Sealant	L	0.12	100.00	12.00
d. Steel Forms (Rental)	m.	0.46	40.00	18.40
F.1				
e. Sand	cu.m.	0.0825	1,626.91	134.22
f. Gravel	cu.m.	0.15	1,416.91	212.54
g. Cement	bag	1.43	303.00	433.29
h. Concrete Saw (Diamond Blade 14" dia.)	pc.	0.00015	2,500.00	0.38
i. Pipe Sleeve, 2" dia.	m.	0.0078	61.00	0.48
j. Grease/Tar	L	0.0015	112.50	0.17
Sub-Total for F-1 As Submitted				834.16
Materials				
F.2				
Sub-Total for F-2 As Evaluated				
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				954.87
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				95.49
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1				
Contractor's Profit - As Submitted				76.39
I.2				
Contractor's Profit - As Evaluated				-
J.1				
Value Added Tax - As Submitted				56.34
J.2				
Value Added Tax - As Evaluated				-
K.1				
Total Unit Cost - As Submitted				1,183.08
K.2				
Total Unit Cost - As Evaluated				-

Prepared by:


ELWICK P. ACUÑA
Engineer II

Checked/Reviewed


ISIDRA A. ESTANISLAO
Engineer IV

Item No./Description : 311(1)e1
Unit of Measurement : Portland Cement Concrete Pavement (0.28 m. thk.)
Output per hour-As Submitted : 33,253.00 sq.m.
Output per hour-As Evaluated : 57.50

	Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
A.1	Labor				
	a. Foreman	1	1	86.51	86.51
	b. Skilled Laborer	4	1	62.43	249.73
	b. Unskilled Laborer	12	1	48.13	577.53
	Sub-Total for A-1 As Submitted				913.76
A.2	Labor				
	Sub-Total for A-2 As Evaluated				
B.1	Equipment				
	a. Transit Mixer (5 cu.m.)	4	1	1,318.00	5,272.00
	b. Concrete Vibrator	2	1	91.25	182.50
	c. Concrete Batching Plant (30 cu.m.)	1	1	1,759.50	1,759.50
	d. Payloader (1.50 cu.m.), LX80-2C	1	1	1,733.00	1,733.00
	e. Concrete Screeder (5.5 hp)	1	1	545.00	545.00
	f. Water Truck/Pump (16000 l.)	1	1	2,450.00	2,450.00
	g. Concrete Saw (7.5 hp), 14" Blade dia.	1	1	32.63	32.63
	h. Bar Cutter, Single Phase	1	0.1	219.75	21.98
	Minor Tools				45.69
	Sub-Total for B-1 As Submitted				12,042.29
B.2	Equipment				
	Sub-Total for B-2 As Evaluated				
C.1	Total (A.1+B.1) - As Submitted				12,956.06
C.2	Total (A.2+B.2) - As Evaluated				-
D.1	Output per Hour - As Submitted				57.50
D.2	Output per Hour - As Evaluated				
E.1	Direct Unit Cost (C.1 ÷ D.1) - As Submitted				225.32
E.2	Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				
F.1	Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
	Materials				
	a. Reinforcing Steel Bar	kg.	0.50	38.00	19.00
	b. Curing Compound	L	0.29	35.00	10.15
	c. Asphalt Sealant	L	0.17	100.00	17.00
	d. Steel Forms (Rental)	m.	0.46	60.00	27.60
	e. Sand	cu.m.	0.154	1,626.91	250.54
	f. Gravel	cu.m.	0.28	1,416.91	396.73
	g. Cement	bag	2.66	303.00	805.98
	h. Concrete Saw (Diamond Blade 14" dia.)	pc.	0.00015	2,500.00	0.38
	i. Pipe Sleeve, 2" dia.	m.	0.0078	61.00	0.48
	j. Grease/Tar	L	0.0078	112.50	0.88
	Sub-Total for F-1 As Submitted				1,528.74
	Materials				
F.2	Sub-Total for F-2 As Evaluated				
G.1	Direct Unit Cost (E.1+F.1) - As Submitted				1,754.06
G.2	Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1	Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				175.41
H.2	Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1	Contractor's Profit - As Submitted				140.32
I.2	Contractor's Profit - As Evaluated				-
J.1	Value Added Tax - As Submitted				103.49
J.2	Value Added Tax - As Evaluated				-
K.1	Total Unit Cost - As Submitted				2,173.28
K.2	Total Unit Cost - As Evaluated				-

Prepared by:

Checked/Reviewed

ELWICK P. ACUÑA

ISIDRA A. ESTRANISLAO

Engineer II

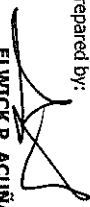
Engineer IV

Item No./Description : 500(1)b3
 Unit of Measurement : Pipe Culverts
 Output per hour-As Submitted : 48.00 In.m.
 Output per hour-As Evaluated : 1.00

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
A.1				
Labor				
a. Foreman	1	0.57	86.51	49.31
b. Skilled Laborer	2	0.57	62.43	71.17
c. Unskilled Laborer	4	0.57	48.13	109.73
Sub-Total for A-1 As Submitted				230.21
Labor				
A.2				
Sub-Total for A-2 As Evaluated				
Name and Capacity	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
B.1				
Equipment				
a. Backhoe (0.80 cu.m.)	1	0.29	1,537.00	445.73
b. Plate Compactor (5 hp)	1	0.29	123.00	35.67
Minor Tools 10% of Labor				23.02
Sub-Total for B-1 As Submitted				504.42
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1 Total (A.1+B.1) - As Submitted				734.63
C.2 Total (A.2+B.2) - As Evaluated				-
D.1 Output per Hour - As Submitted				1.00
D.2 Output per Hour - As Evaluated				
E.1 Direct Unit Cost (C.1 ÷ D.1) - As Submitted				734.63
E.2 Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
Materials				
a. Cement	bag	1.08	303.00	327.24
b. Sand	cu.m	0.06	1,626.91	99.24
c. RC Pipes (910 mm. dia.)	pc.	1.00	1,665.00	1,665.00
d. Sand Bedding/Selected Sandy Soil	cu.m	0.13	1,626.91	208.24
Sub-Total for F-1 As Submitted				2,299.73
Materials				
F.2				
Sub-Total for F-2 As Evaluated				
G.1 Direct Unit Cost (E.1+F.1) - As Submitted				3,034.36
G.2 Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1 Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				303.44
H.2 Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1 Contractor's Profit - As Submitted				242.75
I.2 Contractor's Profit - As Evaluated				-
J.1 Value Added Tax - As Submitted				179.03
J.2 Value Added Tax - As Evaluated				-
K.1 Total Unit Cost - As Submitted				3,759.57
K.2 Total Unit Cost - As Evaluated				-

Prepared by:

Checked/Reviewed

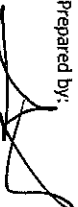

 ELWICK P. ACUÑA
 Engineer II


 ISIDRA A. ESTANISLAO
 Engineer IV

Item No./Description : 505(2)a
Unit of Measurement : Grouted Riprap, Class "A"
Output per hour-As Submitted : 22.00 cu.m.
Output per hour-As Evaluated : 1.25

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
Labor				
a. Foreman	1	1	86.51	86.51
b. Skilled Laborer	2	1	62.43	124.86
c. Unskilled Laborer	8	1	48.13	385.02
Sub-Total for A-1 As Submitted				596.39
Labor				
A.2				
Sub-Total for A-2 As Evaluated				
Name and Capacity	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
Equipment				
a. One Bagger Mixer	1	1	172.00	172.00
b. Water Truck/Pump (16000 L)	1	0.05	2,450.00	122.50
Minor Tools 10% of Labor				59.64
Sub-Total for B-1 As Submitted				354.14
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1 Total (A.1+B.1) - As Submitted				950.53
C.2 Total (A.2+B.2) - As Evaluated				-
D.1 Output per Hour - As Submitted				1.25
D.2 Output per Hour - As Evaluated				
E.1 Direct Unit Cost (C.1 ÷ D.1) - As Submitted				760.42
E.2 Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
Materials				
a. Cement	bag	3.00	303.00	909.00
b. Sand	cu.m.	0.25	1,626.91	406.73
c. Gravel	cu.m.	0.15	1,416.91	212.54
d. Weep Holes (PVC)	m.	0.30	536.00	160.80
e. Filter Cloth	sq.m.	0.015	160.00	2.40
f. Boulder	cu.m.	1.05	1,256.91	1,319.76
Miscellaneous 1% of Material Cost				30.11
Sub-Total for F-1 As Submitted				3,041.33
Materials				
F.2				
Sub-Total for F-2 As Evaluated				
G.1 Direct Unit Cost (E.1+F.1) - As Submitted				3,801.75
G.2 Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1 Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				380.18
H.2 Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1 Contractor's Profit - As Submitted				304.14
I.2 Contractor's Profit - As Evaluated				-
J.1 Value Added Tax - As Submitted				224.30
J.2 Value Added Tax - As Evaluated				-
K.1 Total Unit Cost - As Submitted				4,710.37
K.2 Total Unit Cost - As Evaluated				-

Prepared by:


ELWICK P. ACUÑA
Engineer II

Checked/Reviewed


ISIDRA R. ESTANISLAO
Engineer IV

Item No./Description : 506(1)
 Stone Masonry
 Unit of Measurement : 60.00 cu.m.
 Output per hour-As Submitted : 1.60
 Output per hour-As Evaluated :

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
Labor				
A.1				
a. Foreman	1	1	86.51	86.51
b. Skilled Laborer	2	1	62.43	124.86
c. Unskilled Laborer	8	1	48.13	385.02
Sub-Total for A-1 As Submitted				596.39
Labor				
A.2				
Sub-Total for A-2 As Evaluated				
Name and Capacity	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
Equipment				
a. One Bagger Mixer	1	1	172.00	172.00
b. Water Truck/Pump (16000 l)	1	0.05	2,450.00	122.50
c. Backhoe (Wheel Type, 0.28 cu.m.)	1	0.1	922.00	92.20
Minor Tools				59.64
Sub-Total for B-1 As Submitted				446.34
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				1,042.73
C.2				
Total (A.2+B.2) - As Evaluated				-
D.1				
Output per Hour - As Submitted				1.60
D.2				
Output per Hour - As Evaluated				
E.1				
Direct Unit Cost (C.1 ÷ D.1) - As Submitted				651.71
E.2				
Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
Materials				
a. Cement	bag	5.50	303.00	1,666.50
b. Sand	cu.m.	0.30	1,626.91	488.07
c. Gravel	cu.m.	0.20	1,416.91	283.38
F.1				
d. Weep Holes (PVC)	m.	0.30	536.00	160.80
e. Filter Cloth	sq.m.	0.015	160.00	2.40
f. Boulder	cu.m.	1.05	1,256.91	1,319.76
Miscellaneous				39.21
Sub-Total for F-1 As Submitted				3,960.12
Materials				
F.2				
Sub-Total for F-2 As Evaluated				
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				4,611.83
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				461.18
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1				
Contractor's Profit - As Submitted				368.95
I.2				
Contractor's Profit - As Evaluated				-
J.1				
Value Added Tax - As Submitted				272.10
J.2				
Value Added Tax - As Evaluated				-
K.1				
Total Unit Cost - As Submitted				5,714.05
K.2				
Total Unit Cost - As Evaluated				-

Prepared by:

Checked/Reviewed

ELWICK P. ACUÑA

ISIDRA A. ESTANISLAO

Engineer II

Engineer IV

Refactorized Thermoplastic Pavement Markings (White)
1,098.00 sq.m.

	Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
	Labor				
A.1	a. Foreman	1	1	86.51	86.51
	b. Skilled laborer	2	1	62.43	124.86
	c. Unskilled laborer	6	1	48.13	288.77
	Sub-Total for A-1 As Submitted Labor				500.14
A.2					
	Sub-Total for A-2 As Evaluated				
	Name and Capacity	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
	Equipment				
B.1	a. Cargo Truck (2 - 5 mt.)	1	1	783.00	783.00
	b. Applicator Machine	1	1	93.75	93.75
	c. Kneading Machine	1	1	187.50	187.50
	Minor Tools 10% of labor				50.01
	Sub-Total for B-1 As Submitted Equipment				1,114.26
B.2					
	Sub-Total for B-2 As Evaluated				
C.1	Total (A.1+B.1) - As Submitted				1,614.40
C.2	Total (A.2+B.2) - As Evaluated				-
D.1	Output per Hour - As Submitted				25.00
D.2	Output per Hour - As Evaluated				
E.1	Direct Unit Cost (C.1 ÷ D.1) - As Submitted				64.58
E.2	Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				
	Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
	Materials				
F.1	a. Thermoplastic Paint (White)	bag	0.33	1,585.00	515.13
	b. Glass Beads	bag	0.03	2,500.00	82.50
	c. Primer	L	0.12	160.00	19.20
	d. LPG (50 kg.)	cyL	0.00	3,450.00	13.80
	e. LPG (12 kg.)	cyL	0.00	828.00	1.66
	f. Calsumine	kg.	0.13	100.00	12.50
	Miscellaneous 5% of Material Cost				32.24
	Sub-Total for F-1 As Submitted Materials				677.02
F.2					
	Sub-Total for F-2 As Evaluated				
G.1	Direct Unit Cost (E.1+F.1) - As Submitted				741.60
G.2	Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1	Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				74.16
H.2	Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1	Contractor's Profit - As Submitted				59.33
I.2	Contractor's Profit - As Evaluated				-
J.1	Value Added Tax - As Submitted				43.75
J.2	Value Added Tax - As Evaluated				-
K.1	Total Unit Cost - As Submitted				918.84
K.2	Total Unit Cost - As Evaluated				-



ISIDRA A. ESTANISLAO
Engineer IV

Item No./Description : 612(2)
Reflectorized Thermoplastic Pavement Markings (Yellow)
Unit of Measurement : 47.00 sq.m.
Output per hour-As Submitted : 25.00
Output per hour-As Evaluated :

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
Labor				
A.1				
a. Foreman	1	1	86.51	86.51
b. Skilled Laborer	2	1	62.43	124.86
b. Unskilled Laborer	6	1	48.13	288.77
Sub-Total for A-1 As Submitted				500.14
Labor				
A.2				
Sub-Total for A-2 As Evaluated				
Name and Capacity	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
Equipment				
B.1				
a. Cargo Truck (2 - 5 mt.)	1	1	783.00	783.00
b. Applicator Machine	1	1	93.75	93.75
c. Kneading Machine	1	1	187.50	187.50
Minor Tools 10% of Labor				50.01
Sub-Total for B-1 As Submitted				1,114.26
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				1,614.40
C.2				
Total (A.2+B.2) - As Evaluated				-
D.1				
Output per Hour - As Submitted				25.00
D.2				
Output per Hour - As Evaluated				64.58
E.1				
Direct Unit Cost (C.1 ÷ D.1) - As Submitted				
E.2				
Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
Materials				
a. Thermoplastic Paint (Yellow)	bag	0.33	1,800.00	585.00
b. Glass Beads	bag	0.03	2,500.00	82.50
c. Primer	L	0.12	175.00	21.00
d. LPG (50 kg.)	cy.	0.00	3,450.00	13.80
e. LPG (12 kg.)	cy.	0.00	828.00	1.66
f. Calsunite	kg.	0.13	100.00	12.50
Miscellaneous 5% of Material Cost				35.82
Sub-Total for F-1 As Submitted				752.28
Equipment				
F.2				
Sub-Total for F-2 As Evaluated				
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				816.85
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				81.69
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1				
Contractor's Profit - As Submitted				65.35
I.2				
Contractor's Profit - As Evaluated				-
J.1				
Value Added Tax - As Submitted				48.19
J.2				
Value Added Tax - As Evaluated				-
K.1				
Total Unit Cost - As Submitted				1,012.08
K.2				
Total Unit Cost - As Evaluated				-

Prepared by:


ELWICK P. ACUÑA
Engineer II

Checked/Reviewed

ISIDRA A. ESTANISLAO
Engineer IV

Item No./Description : 715(1)
Geotextile
Unit of Measurement : 61.00 sq.m.
Output per hour-As Submitted : 200.00
Output per hour-As Evaluated :

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
Labor				
a. Foreman	1	1	86.51	86.51
b. Skilled Laborer	2	1	62.43	124.86
c. Unskilled Laborer	8	1	48.13	385.02
Sub-Total for A-1 As Submitted				596.39
Labor				
Sub-Total for A-2 As Evaluated				
Name and Capacity	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
B.1 Equipment				
a. Cargo Truck/Delivery Truck (9 - 10 mt.)	1	1	1,212.00	1,212.00
Sub-Total for B-1 As Submitted				1,212.00
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1 Total (A.1+B.1) - As Submitted				1,808.39
C.2 Total (A.2+B.2) - As Evaluated				-
D.1 Output per Hour - As Submitted				200.00
D.2 Output per Hour - As Evaluated				
E.1 Direct Unit Cost (C.1 ÷ D.1) - As Submitted				9.04
E.2 Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
F.1 Materials				
a. Filter Cloth	sq.m.	1.05	160.00	168.00
Sub-Total for F-1 As Submitted				168.00
Materials				
F.2				
Sub-Total for F-2 As Evaluated				
G.1 Direct Unit Cost (E.1+F.1) - As Submitted				177.04
G.2 Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1 Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				17.70
H.2 Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1 Contractor's Profit - As Submitted				14.16
I.2 Contractor's Profit - As Evaluated				-
J.1 Value Added Tax - As Submitted				10.45
J.2 Value Added Tax - As Evaluated				-
K.1 Total Unit Cost - As Submitted				219.35
K.2 Total Unit Cost - As Evaluated				-

Prepared by: 
ELWICK P. ACUÑA
Engineer II

Checked/Reviewed 
ISIDRA A. ESTANISLAO
Engineer IV

UNIT COST ANALYSIS FOR HAULING COST FOR PORTLAND CEMENT

TOTAL QUANTITY REQUIREMENTS FOR PORTLAND CEMENT

DESCRIPTION	QUANTITY (Bags)
Construction of Field Office for the Engineer	135.00
Portland Cement/ Concrete Pavement (0.15 m. thk.)	916.63
Portland Cement/ Concrete Pavement (0.28 m. thk.)	88,452.28
Pipe Culverts	51.84
Grouted Riprap, Class "A"	66.00
Stone Masonry	330.00
T O T A L	89,952.45

Quantity = **89,952.45** Bags

Delivery Charge = P 0.120 / bag / km.

S I T E	HAULING DISTANCE
Zamboanga City DEO	18.00
Batching plant	

*Average hauling distance from Source to assumed Stockpiling area :
soy 18.00 km.

$$\text{Delivery Charge} = P \ 0.120 \times 18.00 \\ = P \ 2.16 \text{ / bag}$$

*Delivery Truck : 89,952.45 bags., (hauling works)
20,000.00 kgs., (capacity per haul)
or 500.00 bags, (capacity per haul)

*Capacity of laborers unloading bags of Cement from Delivery Truck :

Assume (10) laborers can unload 500.00 bags of Cement.

*Dumptruck (10 Wheeler) days compilation : **TIME-MOTION ANALYSIS**

Speed when loaded	:	30.00	kph
Speed when unloaded	:	40.00	kph
loaded running	=	$\frac{18.00}{30.00} \times 60$	= 36.00 mins.
Unloaded running	=	$\frac{18.00}{40.00} \times 60$	= 27.00 mins.
loading and Unloading allowance for delay/litific	:	45.00 mins.	
Capacity of Dumptruck	:	3.00 mins.	
	:	8.00 cum.	
	:	500.00 bags	
Total Cycle time	:	111.00 mins.	
No. of trips for Dumptruck per day	=	$\frac{8.0}{111.00} \times 60.00$	= 4.32 soy
Dumptruck daily output	=	500 x 4.32	= 2,162.16 cum.
Using (3) Dumptrucks	=	3 x 2162.16	= 6,486.49 cum.
			thp

- No. of days for Delivery Truck = $\frac{89,952.45}{6,486.49} = 13.87$ soy days
- No. of days for Labor, for unloading = complimentary to D. Truck days = 13.87 days

DELIVERY COST :

89,952.45 - Bags, Portland Cement	@ P 2.16	/ bag	= P
Sub - Total			194,297.29
			P 194,297.29

LABOR :

1 - Foreman	@ P 611.92 /day	x 13.87 days	= P 8,485.90
10 - Laborers, unloading	@ P 342.24 /day	x 13.87 days	= P 47,460.71
Sub - Total			55,946.62
			P 55,946.62

MATERIALS :

89,952.45 - Bags, Portland Cement	@ P 300.00	/ bag	= P
Sub - Total			26,985,735.00
			P 26,985,735.00

Estimated Quantity	89,952.45 Bags		
Unit Cost	P 302.78 / Bag,	soy P	303.00 / Bag
Grand Total	P 27,235,978.91		
Delivery Cost	P 194,297.29		
Labor	P 55,946.62		
Materials	P 26,985,735.00		

UNIT COST ANALYSIS FOR HAULING COST FOR ALL AGGREGATES

Hauling Cost from the Quarry to Batchling plant

Item No. :	ALL AGGREGATES	Terrain :	Flat to Rolling
Quantity :	1,000.00	Unit :	cu.m.
		Hauling Distance :	5.00 km.
		Effective Working Hours :	8.00 hrs.

Hauling: Using 10.00 cu.m.capacity Dumptruck

Weight of Dumptruck (cap. 10.00 cu.m.)

Unit weight of Fine Aggregates

Unit weight of Coarse Aggregates

Maximum Volume to be Carried per DT

*Dumptruck (10 Wheeler) days computation : TIME-MOTION ANALYSIS

Speed when loaded	:	30.00	kph	:	16,000.00	kg.
Speed when unloaded	:	40.00	kph	:	1,640.00	kg/m ³
Loaded running	=	$\frac{5.00}{30.00} \times \frac{60}{60}$		=	10.00	mins.
Unloaded running	=	$\frac{5.00}{40.00} \times \frac{60}{60}$		=	7.50	mins.
Loading and Unloading allowance for delay/traffic	:	5.00	mins.	:		
Capacity of Dumptruck	:	3.00	mins.	:		
Total Cycle time	:	10.00	cu.m.	:		
No. of trips for Dumptruck per day	=	$\frac{8}{25.50} \times \frac{60.00}{60.00}$		=	18.82	say 18.82 trips
Dumptruck daily output	=	10 x 18.82		=	188.24	cu.m.
Using (5) Dumptrucks	=	5 x 188.24		=	941.18	cu.m.

$$1. \text{ No. of days for Dumptrucks } = \frac{1,000.00}{941.18} = 1.06 \text{ say } 1.06 \text{ days}$$

EQUIPMENT USED : (2009 ACEL RATES)

5	- Unit Dumptruck	@ P	11,360.00 /day	x	1.06 days	= P	60,350.00
							Sub - Total P 60,350.00

Estimated Quantity 1,000.00 cu.m.
Unit Cost 12.07 /cu. m./km. (Unit Cost, Hauling per cu.m,per km.)

Grand Total P 60,350.00

Equipment P 60,350.00

Labor P

Materials P

Hauling Distance	Unit Cost per cu.m./km.	Hauling Cost per cu.m.	Unit Price	Unit Cost per cu.m.
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Cost of Fine Aggregates: 13.00 x 12.07 = 156.91 + 1,470.00 = **1,626.91**

Cost of Coarse Aggregates: 13.00 x 12.07 = 156.91 + 1,260.00 = **1,416.91**

Cost of Item 200 Materials: 13.00 x 12.07 = 156.91 + 714.00 = **870.91**

Cost of Item 201 Materials: 13.00 x 12.07 = 156.91 + 680.00 = **836.91**

Cost of Item 300 Materials: 13.00 x 12.07 = 156.91 + 735.00 = **891.91**

Cost of Boulders: 13.00 x 12.07 = 156.91 + 1,100.00 = **1,256.91**

Cost of Embankment, Common Borrow: 5.00 x 12.07 = 60.35 + 328.00 = **388.35**