



DPWH REGIONAL OFFICE IX

PROGRAM OF WORK/BUDGET COST

FORM POW-2015-01-00

Project : Road Widening of Primary Roads, Pagadian - Zamboanga City Road

Net Length : (a) Road 2,422.97 In.m 4.85 lane km

(b) Bridge

(c) Others

Project ID :

Target Start Date :

Location : Zamboanga City

Total Project Duration : 208 Calendar Days

Station Limits : K1865+097.03 - K1866+000.00, K1866+080.00 - K1866+940.00, K1867+040.00 - K1867+700.00

No. of Pre-determined : 27 Calendar Days

Source of Funds : CY-2019

Unworkable Days : 21 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			1.23%	982,206.74		
B: Other General Requirements			1.25%	995,191.75		
C: Earthworks			19.12%	15,242,327.95		
D: Subbase and Base Course			19.36%	15,440,739.61		
E: Surface Courses			52.01%	41,472,426.30		
F: Bridge Construction			0.00%	-		
G: Drainage and Slope Protection Structures			2.79%	2,223,167.40		
H: Miscellaneous Structure			4.24%	3,380,690.52		

100.00%

79,736,750.28

EQUIPMENT:

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

BREAKDOWN OF EXPENDITURES:

	AS SUBMITTED	AS EVALUATED
1. Labor	1,323,228.54	
2. Materials	65,832,054.48	
3. Rental of Equipment	12,581,467.25	
4. Provisional Sum/Daywork	-	
5. OCM and Profit	14,142,205.64	
6. Value Added Tax	4,693,947.80	
7. EAO, 3.5%	3,450,051.63	
8. RROW Acquisition	10,000,000.00	
9. Physical Reserve (Contingency)	577,044.66	
10. TOTAL ESTIMATED COST	112,600,000.00	

	AS SUBMITTED	AS EVALUATED
A. Total Direct Cost	79,736,750.28	
B. OCM and Profit	14,142,205.64	
C. Value Added Tax	4,693,947.80	
D. Total Construction Cost	-	
E. Eng'g. & Administrative Overhead	3,450,051.63	
F. RROW Acquisition	10,000,000.00	
G. Physical Reserve (Contingency)	577,044.66	
H. TOTAL ESTIMATED COST	112,600,000.00	

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. TORREFRANCA

District Engineer

Planning & Design Division

Approval:

Recommending Approval

KHADAFFY B. TANGGOL

OIC-Assistant Regional Director

Approved:

CAYAMOMBAO D. DIA

Regional Director



Road Widening of Primary Roads, Pagadian - Zamboanga City Road
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	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.	440,010.42		440,010.42		545,172.92		0.55%
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.	289,473.33		289,473.33		328,262.76		0.36%
A.1.2(5)	Operation and Maintenance of 4 x 4 Pick-Up Type Service Vehicle for the Engineer	6.93		month	241,676.96		34,857.25		36,600.12		0.30%
	TOTAL OF PART A				971,160.72						1.22%
PART B	Other General Requirements										
B.4(1)	Construction Survey & Staking	2.42		km.	104,706.39		43,214.07		53,542.23		0.13%
B.5	Project Billboard/Signboard	4.00		each	18,337.96		4,584.49		5,680.18		0.02%
B.7	Occupation Safety & Health	6.93		month	251,636.40		36,293.71		41,157.07		0.32%
B.9	Mobilization & Demobilization	1.00		L.S.	590,975.00		590,975.00		620,523.75		0.74%
	TOTAL OF PART B				965,655.75						1.21%
PART C	Earthworks										
103(1)a	Structure Excavation	324.00		cu.m.	74,764.00		230.75		285.90		0.09%
103(3)	Foundation Fill	7.00		cu.m.	19,537.12		2,791.02		3,458.07		0.02%
103(6)a	Pipe Culverts and Drain Excavation	96.00		cu.m.	22,152.30		230.75		285.90		0.03%
104(1)a	Embankment from Roadway Excavation	19,297.00		cu.m.	4,455,705.34		230.90		286.09		5.59%
104(2)a	Embankment from Borrow	17,736.00		cu.m.	10,313,355.86		581.49		720.47		12.94%
105(1)a	Subgrade Preparation	22,288.00		cu.m.	356,813.33		16.01		19.84		0.45%
	TOTAL OF PART C				15,242,327.95						19.12%
PART D	Subbase and Base Course										
200(1)	Aggregate Subbase Course	9,025.00		cu.m.	15,440,739.61		1,710.89		2,119.79		19.37%
	TOTAL OF PART D				15,440,739.61						19.37%
PART E	Surface Courses										
300(1)	Gravel Surface Course	823.00		cu.m.	1,425,094.68		1,731.59		2,145.43		1.79%
311(1)a	Portland Cement Concrete Pavement	2,255.00		sq.m.	2,438,659.93		1,081.45		2,454.55		3.06%
311(1)e1	Portland Cement Concrete Pavement	18,984.00		sq.m.	37,608,671.69		1,981.07		2,454.55		47.17%
	TOTAL OF PART E				41,472,426.30						52.02%

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	AS SUBMITTED	AS EVALUATED	AS EVALUATED
PART G	Drainage and Slope Protection Structures										
404(1)a	Reinforcing Steel, Grade 40	6,553.00		kg.	312,608.82		47.70		59.11		0.39%
404(1)b	Reinforcing Steel, Grade 60	-		kg.	-		#DIV/0!		59.11		0.00%
405(1)a3	Structural Concrete, Class "A"	165.00		cu.m.	1,404,669.43		8,513.15		10,547.79		1.76%
500(1)b3	Pipe Culverts	46.00		ln.m.	143,528.16		3,120.18		3,865.90		0.18%
505(2)a	Grouted Riprap, Class "A"	25.00		cu.m.	146,403.84		5,856.15		7,255.77		0.18%
506(1)	Stone Masonry	46.00		cu.m.	251,097.58		5,458.64		6,763.26		0.31%
	TOTAL OF PART G				2,258,307.83						2.83%
PART H	Miscellaneous Structure										
612(1)	Reflectorized Thermoplastic Pavement Markings (White)	1,046.00		sq.m.	774,281.34		740.23		917.15		0.97%
612(2)	Reflectorized Thermoplastic Pavement Markings (Yellow)	25.00		sq.m.	20,387.24		815.49		1,010.39		0.03%
622(1)a	Coco-net	1,086.00		sq.m.	149,301.57		137.48		222.37		0.19%
622(1)b	Coco-net	5,883.00		sq.m.	1,055,871.59		179.48		222.37		1.32%
622(2)b	Coco-logs/Fascine	1,160.00		ln.m.	536,996.59		462.93		573.57		0.67%
622(3)b	Vegetation	6,970.00		sq.m.	843,852.20		121.07		150.00		1.06%
	TOTAL OF PART H				3,380,690.52						4.24%
	GRAND TOTAL				79,731,308.68						100.00%



Road Widening of Priority Roads, Pagadian - Zamboanga City Road
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	Applicator Machine		1	44			
20	Kneading Machine		1	45			
21				46			
22				47			
23				48			
24				49			
25				50			
	SUB-TOTAL		45		SUB-TOTAL		0
TOTAL							45



REGIONAL OFFICE IX
Road Widening of Primary Roads, Pagadian - Zamboanga City Road
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	TOTAL COST
						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	0.55%	1.00	L.S.	362,625.12	45,026.64	32,358.66	440,010.42	18.00%	79,201.88	545,172.92
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	0.36%	1.00	L.S.	289,473.33	-	-	289,473.33	8.00%	23,157.87	328,262.76
A.1.2(5)	Operation and Maintenance of 4 x 4 Pick-Up Type Service Vehicle for the Engineer	AS EVALUATED										
		AS SUBMITTED	0.30%	6.93	month	144,152.00	97,524.96	-	241,676.96	0.00%	-	253,760.81
	TOTAL OF PART A	AS EVALUATED										
		AS SUBMITTED	1.22%			796,250.45	142,551.60	32,358.66	971,160.72		102,359.74	1,127,196.48
PART B	Other General Requirements											
B.4(1)	Construction Survey & Staking	AS EVALUATED										
		AS SUBMITTED	0.13%	2.42	km.	26,713.24	65,396.11	12,597.04	104,706.39	18.00%	18,847.15	129,731.22
B.5	Project Billboard/Signboard	AS EVALUATED										
		AS SUBMITTED	0.02%	4.00	each	14,660.00	3,677.96	-	18,337.96	18.00%	3,300.83	22,720.73
B.7	Occupation Safety & Health	AS EVALUATED										
		AS SUBMITTED	0.32%	6.93	month	26,760.00	164,876.40	60,000.00	251,636.40	8.00%	20,130.91	285,355.68
B.9	Mobilization & Demobilization	AS EVALUATED										
		AS SUBMITTED	0.74%	1.00	L.S.	-	-	590,975.00	590,975.00	0.00%	-	620,523.75
	TOTAL OF PART B	AS EVALUATED										
		AS SUBMITTED	1.21%			68,133.24	233,950.47	663,572.04	965,655.75		42,278.90	1,058,331.38
PART C	Earthworks											
103(1)a	Structure Excavation	AS SUBMITTED	0.09%	324.00	cu.m.	-	3,506.00	71,258.00	74,764.00	18.00%	13,457.52	92,632.60
103(3)	Foundation Fill	AS EVALUATED										
		AS SUBMITTED	0.02%	7.00	cu.m.	17,099.81	1,464.83	972.48	19,537.12	18.00%	3,516.68	24,206.49
103(6)a	Pipe Culverts and Drain Excavation	AS EVALUATED										
		AS SUBMITTED	0.03%	96.00	cu.m.	-	1,038.82	21,113.48	22,152.30	18.00%	3,987.41	27,446.70
104(1)a	Embankment from Roadway Excavation	AS EVALUATED										
		AS SUBMITTED	5.59%	19,297.00	cu.m.	-	120,958.48	4,334,746.86	4,455,705.34	18.00%	802,026.96	5,520,618.92
104(2)a	Embankment from Borrow	AS EVALUATED										
		AS SUBMITTED	12.94%	17,736.00	cu.m.	8,609,719.50	60,750.68	1,642,885.68	10,313,355.86	18.00%	1,856,404.05	12,778,247.91
105(1)a	Subgrade Preparation	AS EVALUATED										
		AS SUBMITTED	0.45%	22,288.00	cu.m.	-	12,723.75	344,089.57	356,813.33	18.00%	64,226.40	442,091.71
	TOTAL OF PART C	AS EVALUATED										
		AS SUBMITTED	19.12%			8,626,819.31	200,442.56	6,415,066.08	15,242,327.95		2,743,619.03	18,885,244.33
PART D	Subbase and Base Course											
200(1)	Aggregate Subbase Course	AS EVALUATED										
		AS SUBMITTED	19.37%	9,025.00	cu.m.	14,573,840.75	30,913.11	835,985.75	15,440,739.61	18.00%	2,779,333.13	19,131,076.37
	TOTAL OF PART D	AS EVALUATED										
		AS SUBMITTED	19.37%			14,573,840.75	30,913.11	835,985.75	15,440,739.61		2,779,333.13	19,131,076.37

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	1.79%	823.00	cu.m.	1,346,041.19	2,819.00	76,234.49	1,425,094.68	18.00%	256,517.04	84,080.59	1,765,692.31
311(1)a	Portland Cement Concrete Pavement	AS EVALUATED											
		AS SUBMITTED	3.06%	2,255.00	sq.m.	2,167,700.04	18,011.03	252,948.85	2,438,659.93	18.00%	438,958.79	143,880.94	3,021,499.65
311(1)e1	Portland Cement Concrete Pavement	AS EVALUATED											
		AS SUBMITTED	47.17%	18,984.00	sq.m.	33,350,732.40	283,030.39	3,974,908.90	37,608,671.69	18.00%	6,769,560.90	2,218,911.63	46,597,144.23
	TOTAL OF PART E	AS EVALUATED											
		AS SUBMITTED	52.02%			36,864,473.64	303,860.43	4,304,092.24	41,472,426.30		7,465,036.73	2,446,873.15	51,384,336.19
PART G	Drainage and Slope Protection Structures												
404(1)a	Reinforcing Steel, Grade 40	AS EVALUATED											
		AS SUBMITTED	0.39%	6,553.00	kg.	275,226.00	20,365.95	17,016.87	312,608.82	18.00%	56,269.59	18,443.92	387,322.32
404(1)b	Reinforcing Steel, Grade 60	AS EVALUATED											
		AS SUBMITTED	0.00%	-	kg.	-	-	-	-	18.00%	-	-	-
405(1)a3	Structural Concrete, Class "A"	AS EVALUATED											
		AS SUBMITTED	1.76%	165.00	cu.m.	1,165,609.50	149,952.15	89,107.79	1,404,669.43	18.00%	252,840.50	82,875.50	1,740,385.43
500(1)b3	Pipe Culverts	AS EVALUATED											
		AS SUBMITTED	0.18%	46.00	ln.m.	110,458.59	9,931.97	23,137.60	143,528.16	18.00%	25,835.07	8,468.16	177,831.40
505(2)a	Grouted Riprap, Class "A"	AS EVALUATED											
		AS SUBMITTED	0.18%	25.00	cu.m.	128,206.62	11,188.38	7,008.84	146,403.84	18.00%	26,352.69	8,637.83	181,394.35
506(1)	Stone Masonry	AS EVALUATED											
		AS SUBMITTED	0.31%	46.00	cu.m.	222,288.33	16,083.29	12,725.95	251,097.58	18.00%	45,197.56	14,814.76	311,109.90
	TOTAL OF PART G	AS EVALUATED											
		AS SUBMITTED	2.83%			1,901,789.05	207,521.73	148,997.04	2,258,307.83		406,495.41	133,240.16	2,798,043.40
PART H	Miscellaneous Structure												
612(1)	ReflectORIZED Thermoplastic Pavement Markings (White)	AS EVALUATED											
		AS SUBMITTED	0.97%	1,046.00	sq.m.	708,162.97	19,627.41	46,490.96	774,281.34	18.00%	139,370.64	45,682.60	959,334.58
612(2)	ReflectORIZED Thermoplastic Pavement Markings (Yellow)	AS EVALUATED											
		AS SUBMITTED	0.03%	25.00	sq.m.	18,806.97	469.11	1,111.16	20,387.24	18.00%	3,669.70	1,202.85	25,259.79
622(1)a	Coco-net	AS EVALUATED											
		AS SUBMITTED	0.19%	1,086.00	sq.m.	125,433.00	9,604.61	14,263.96	149,301.57	18.00%	26,874.28	8,808.79	184,984.65
622(1)b	Coco-net	AS EVALUATED											
		AS SUBMITTED	1.32%	5,883.00	sq.m.	926,572.50	52,029.40	77,269.69	1,055,871.59	18.00%	190,056.89	62,296.42	1,308,224.90
622(2)b	Coco-logs/Fascine	AS EVALUATED											
		AS SUBMITTED	0.67%	1,160.00	ln.m.	499,380.00	34,196.90	3,419.69	536,996.59	18.00%	96,659.39	31,682.80	665,338.77
622(3)b	Vegetation	AS EVALUATED											
		AS SUBMITTED	1.06%	6,970.00	sq.m.	746,487.00	88,061.22	9,303.98	843,852.20	18.00%	151,893.40	49,787.28	1,045,532.88
	TOTAL OF PART H	AS EVALUATED											
		AS SUBMITTED	4.24%			3,024,842.44	203,988.64	151,859.44	3,380,690.52		608,524.29	199,460.74	4,188,675.56
	GRAND TOTAL	AS EVALUATED											
		AS SUBMITTED	100.00%			65,856,148.89	1,323,228.54	12,551,931.25	79,731,308.68		14,147,647.24	4,693,947.80	98,572,903.71



DPW REGIONAL OFFICE IX
Road Widening of Primary Roads, Pagadian - Zamboanga City Road
Zamboanga City

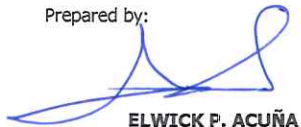
SUMMARY OF APPROVED BUDGET FOR THE CONTRACT

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	971,160.72		102,359.74	53,676.02	156,035.77	1,127,196.48
PART B	Other General Requirements	AS EVALUATED						
		AS SUBMITTED	965,655.75		42,278.90	50,396.73	92,675.63	1,058,331.38
PART C	Earthworks	AS EVALUATED						
		AS SUBMITTED	15,242,327.95		2,743,619.03	899,297.35	3,642,916.38	18,885,244.33
PART D	Subbase and Base Courses	AS EVALUATED						
		AS SUBMITTED	15,440,739.61		2,779,333.13	911,003.64	3,690,336.77	19,131,076.37
PART E	Surface Courses	AS EVALUATED						
		AS SUBMITTED	41,472,426.30		7,465,036.73	2,446,873.15	9,911,909.89	51,384,336.19
PART G	Drainage and Slope Protection Structures	AS EVALUATED						
		AS SUBMITTED	2,258,307.83		406,495.41	133,240.16	539,735.57	2,798,043.40
PART H	Miscellaneous Structure	AS EVALUATED						
		AS SUBMITTED	3,380,690.52		608,524.29	199,460.74	807,985.03	4,188,675.56
TOTAL		AS EVALUATED						
		AS SUBMITTED	79,731,308.68		14,147,647.24	84,839,959.75	18,841,595.03	98,572,903.71

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
OIC-Assistant Regional Director

Approved:


CAYAMOMBAO D. DIA
Regional Director



REGIONAL OFFICE IX
Road Widening of Primary Roads, Pagadian - Zamboanga City Road
Zamboanga City

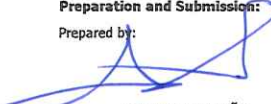
FORM POW-2015-02A-00

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.	440,010.42	18.00%	79,201.88	25,960.62	105,162.49	545,172.92	545,172.92
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.	289,473.33	8.00%	23,157.87	15,631.56	38,789.43	328,262.76	328,262.76
A.1.2(5)	Operation and Maintenance of 4 x 4 Pick-Up Type Service Vehicle for the Engineer	AS EVALUATED									
		AS SUBMITTED	6.93	month	241,676.96	0.00%	-	12,083.85	12,083.85	253,760.81	36,600.12
	TOTAL OF PART A	AS EVALUATED									
		AS SUBMITTED			971,160.72		102,359.74	53,676.02	156,035.77	1,127,196.48	
PART B	Other General Requirements										
B.4(1)	Construction Survey & Staking	AS EVALUATED									
		AS SUBMITTED	2.42	km.	104,706.39	18.00%	18,847.15	6,177.68	25,024.83	129,731.22	53,542.23
B.5	Project Billboard/Signboard	AS EVALUATED									
		AS SUBMITTED	4.00	each	18,337.96	18.00%	3,300.83	1,081.94	4,382.77	22,720.73	5,680.18
B.7	Occupation Safety & Health	AS EVALUATED									
		AS SUBMITTED	6.93	month	251,636.40	8.00%	20,130.91	13,588.37	33,719.28	285,355.68	41,157.07
B.9	Mobilization & Demobilization	AS EVALUATED									
		AS SUBMITTED	1.00	L.S.	590,975.00	0.00%	-	29,548.75	29,548.75	620,523.75	620,523.75
	TOTAL OF PART B	AS EVALUATED			-						
		AS SUBMITTED			965,655.75		42,278.90	50,396.73	92,675.63	1,058,331.38	
PART C	Earthworks										
103(1)a	Structure Excavation	AS EVALUATED									
		AS SUBMITTED	324.00	cu.m.	74,764.00	18.00%	13,457.52	4,411.08	17,868.60	92,632.60	285.90
103(3)	Foundation Fill	AS EVALUATED									
		AS SUBMITTED	7.00	cu.m.	19,537.12	18.00%	3,516.68	1,152.69	4,669.37	24,206.49	3,458.07
103(6)a	Pipe Culverts and Drain Excavation	AS EVALUATED									
		AS SUBMITTED	96.00	cu.m.	22,152.30	18.00%	3,987.41	1,306.99	5,294.40	27,446.70	285.90
104(1)a	Embankment from Roadway Excavation	AS EVALUATED									
		AS SUBMITTED	19,297.00	cu.m.	4,455,705.34	18.00%	802,026.96	262,886.62	1,064,913.58	5,520,618.92	286.09
104(2)a	Embankment from Borrow	AS EVALUATED									
		AS SUBMITTED	17,736.00	cu.m.	10,313,355.86	18.00%	1,856,404.05	608,488.00	2,464,892.05	12,778,247.91	720.47
105(1)a	Subgrade Preparation	AS EVALUATED									
		AS SUBMITTED	22,288.00	cu.m.	356,813.33	18.00%	64,226.40	21,051.99	85,278.39	442,091.71	19.84
	TOTAL OF PART C	AS EVALUATED									
		AS SUBMITTED	-	-	15,242,327.95		2,743,619.03	899,297.35	3,642,916.38	18,885,244.33	
PART D	Subbase and Base Course										
200(1)	Aggregate Subbase Course	AS EVALUATED									
		AS SUBMITTED	9,025.00	cu.m.	15,440,739.61	18.00%	2,779,333.13	911,003.64	3,690,336.77	19,131,076.37	2,119.79
	TOTAL OF PART D	AS EVALUATED									
		AS SUBMITTED	-	-	15,440,739.61		2,779,333.13	911,003.64	3,690,336.77	19,131,076.37	

ITEM NO.	DESCRIPTION		QTY	UNIT	ESTIMATED DIRECT COST	TOTAL MARK-UP		VAT	TOTAL INDIRECT COST	TOTAL COST	UNIT COST
						%	VALUE				
PART E	Surface Courses										
300(1)	Gravel Surface Course	AS EVALUATED									
		AS SUBMITTED	823.00	cu.m.	1,425,094.68	18.00%	256,517.04	84,080.59	340,597.63	1,765,692.31	2,145.43
311(1)a	Portland Cement Concrete Pavement	AS EVALUATED									
		AS SUBMITTED	2,255.00	sq.m.	2,438,659.93	18.00%	438,958.79	143,880.94	582,839.72	3,021,499.65	1,339.91
311(1)e1	Portland Cement Concrete Pavement	AS EVALUATED									
		AS SUBMITTED	18,984.00	sq.m.	37,608,671.69	18.00%	6,769,560.90	2,218,911.63	8,988,472.53	46,597,144.23	2,454.55
	TOTAL OF PART E	AS EVALUATED									
		AS SUBMITTED			41,472,426.30		7,465,036.73	2,446,873.15	9,911,909.89	51,384,336.19	
PART G	Drainage and Slope Protection Structures										
404(1)a	Reinforcing Steel, Grade 40	AS EVALUATED									
		AS SUBMITTED	6,553.00	kg.	312,608.82	18.00%	56,269.59	18,443.92	74,713.51	387,322.32	59.11
404(1)b	Reinforcing Steel, Grade 60	AS EVALUATED									
		AS SUBMITTED	-	kg.	-	18.00%	-	-	-	-	#DIV/0!
405(1)a3	Structural Concrete, Class "A"	AS EVALUATED									
		AS SUBMITTED	165.00	cu.m.	1,404,669.43	18.00%	252,840.50	82,875.50	335,715.99	1,740,385.43	10,547.79
500(1)b3	Pipe Culverts	AS EVALUATED									
		AS SUBMITTED	46.00	ln.m.	143,528.16	18.00%	25,835.07	8,468.16	34,303.23	177,831.40	3,865.90
505(2)a	Grouted Riprap, Class "A"	AS EVALUATED									
		AS SUBMITTED	25.00	cu.m.	146,403.84	18.00%	26,352.69	8,637.83	34,990.52	181,394.35	7,255.77
506(1)	Stone Masonry	AS EVALUATED									
		AS SUBMITTED	46.00	cu.m.	251,097.58	18.00%	45,197.56	14,814.76	60,012.32	311,109.90	6,763.26
	TOTAL OF PART G	AS EVALUATED									
		AS SUBMITTED	-	-	2,258,307.83		406,495.41	133,240.16	539,735.57	2,798,043.40	
PART H	Miscellaneous Structure										
612(1)	Reflectorized Thermoplastic Pavement Markings (White)	AS EVALUATED									
		AS SUBMITTED	1,046.00	sq.m.	774,281.34	18.00%	139,370.64	45,682.60	185,053.24	959,334.58	917.15
612(2)	Reflectorized Thermoplastic Pavement Markings (Yellow)	AS EVALUATED									
		AS SUBMITTED	25.00	sq.m.	20,387.24	18.00%	3,669.70	1,202.85	4,872.55	25,259.79	1,010.39
622(1)a	Coco-net	AS EVALUATED									
		AS SUBMITTED	1,086.00	sq.m.	149,301.57	18.00%	26,874.28	8,808.79	35,683.08	184,984.65	170.34
622(1)b	Coco-net	AS EVALUATED									
		AS SUBMITTED	5,883.00	sq.m.	1,055,871.59	18.00%	190,056.89	62,296.42	252,353.31	1,308,224.90	222.37
622(2)b	Coco-logs/Fascine	AS EVALUATED									
		AS SUBMITTED	1,160.00	sq.m.	536,996.59	18.00%	96,659.39	31,682.80	128,342.18	665,338.77	573.57
622(3)b	Vegetation	AS EVALUATED									
		AS SUBMITTED	6,970.00	sq.m.	843,852.20	18.00%	151,893.40	49,787.28	201,680.68	1,045,532.88	150.00
	TOTAL OF PART H	AS EVALUATED									
		AS SUBMITTED			3,380,690.52		608,524.29	199,460.74	807,985.03	4,188,675.56	
	GRAND TOTAL	AS EVALUATED									
		AS SUBMITTED			79,731,308.68		14,147,647.24	4,589,875.04	18,841,595.03	98,572,903.71	

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:

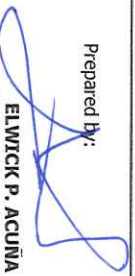

SATURNINO C. TORREENCAN
 District Engineer
 Planning & Design Division

Item No./Description : A.1.1(3)
Unit of Measurement : Construction of Field Office for the Engineer
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.)
Labor				
a. Construction Foreman	1	64	80.95	5,180.88
A.1 b. Masons	3	64	58.61	11,252.88
c. Carpenters	3	64	58.61	11,252.88
d. Laborers	6	64	45.16	17,340.00
Sub-Total for A-1 As Submitted				45,026.64
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. One Bagger Mixer	1	48	177.00	8,256.00
b. Water Truck	1	8	2,450.00	19,600.00
Minor Tools 10% of Labor Cost				4,502.66
Sub-Total for B-1 As Submitted				32,358.66
Equipment				
B.2 Sub-Total for B-2 As Evaluated				
C.1 Total (A.1+B.1) - As Submitted				77,385.30
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				77,385.30
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 & Bedd				
a. Gravel Bedding	cu.m.	3.50	1,924.20	6,734.70
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	310.00	27,900.00
b. Crushed Gravel	cu.m.	21.00	1,924.20	40,408.20
c. Washed Sand	cu.m.	18.00	2,124.20	38,235.60
III Reinforcing Bars (Footings, Columns, Beams, & Slab on Grade)				
a. Deformed Round Bar, Grade 40	kg.	435.00	38.00	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	310.00	13,950.00
c. Washed Sand	cu.m.	8.00	2,124.20	16,993.60
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,	set	2.00	1,765.26	3,530.52
Complete with Accessories, 0.90 m. x 2.10 m.				
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	36.00	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 Cromate	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.	Teckcrew 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 tangle	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					
					362,625.12
Equipment					
Sub-Total for F-2 As Submitted					
					440,010.42
G.1	Direct Unit Cost (E.1+F.1) - As Submitted				
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				44,001.04
I.1	Contractor's Profit - As Submitted				
I.2	Contractor's Profit - As Evaluated				35,200.83
J.1	Value Added Tax - As Submitted				
J.2	Value Added Tax - As Evaluated				25,960.62
K.1	Total Unit Cost - As Submitted				
K.2	Total Unit Cost - As Evaluated				545,172.92

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				-
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				-
B.2				
Equipment				
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				-
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	L.S.	1.00	45,000.00	45,000.00
(Folders, Bond Paper, Yellow Pads, Ball Pens, Pencil, Envelopes, etc.)				
g. Kitchenware	L.S.	1.00	30,000.00	30,000.00
(Plates, Spoons & Forks, Glasses, etc.)				
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	60,000.00	60,000.00
Lighting/Water Fixtures				
a. Electrical Bill	mo.	6.93	3,000.00	20,800.00
b. Water Bill	mo.	6.93	1,500.00	10,400.00
c. LPG (11 kg)	mo.	6.93	1,000.00	6,933.33
Sub-Total for F-1 As Submitted				289,473.33
Equipment				
F.2				
Sub-Total for F-2 As Evaluated				
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				289,473.33
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				23,157.87
I.2				
Contractor's Profit - As Evaluated				-
J.1				
Value Added Tax - As Submitted				15,631.56
J.2				
Value Added Tax - As Evaluated				-
K.1				
Total Unit Cost - As Submitted				328,262.76
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 : 6.93 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	1,664.00	58.61	97,524.96
Sub-Total for A-1 As Submitted				97,524.96
Labor				
A.2				
Sub-Total for A-2 As Evaluated				
Labor				
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				97,524.96
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	2,080.00	31.00	64,480.00
b. Spare Parts	L.S.	1.00	40,000.00	40,000.00
c. Engine Oil & Lubricants	L.S.	1.00	9,672.00	9,672.00
d. Miscellaneous	L.S.	1.00	30,000.00	30,000.00
Sub-Total for F-1 As Submitted				144,152.00
Equipment				
F.2				
Sub-Total for F-2 As Evaluated				
G.1 Direct Unit Cost (E.1+F.1) - As Submitted				144,152.00
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				7,207.60
J.2 Value Added Tax - As Evaluated				-
K.1 Total Unit Cost - As Submitted				151,359.60
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 : 2.42 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	58.61	175.83
c. Unskilled Laborer	3	1	45.16	135.47
For Office Works				
a. Geodetic Engineer	1	3	104.16	312.49
b. Skilled Laborer	2	3	58.61	351.65
Sub-Total for A-1 As Submitted				1,079.60
Labor				
Sub-Total for A-2 As Evaluated				
Equipment				
a. Total Station w/ Complete Accessories	1	1	100.00	100.00
Minor Tools 10% of Labor				107.96
Sub-Total for B-1 As Submitted				207.96
Equipment				
Sub-Total for B-2 As Evaluated				
C.1 Total (A.1+B.1) - As Submitted				1,287.56
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				32,189.07
E.2 Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				
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				43,214.07
G.2 Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1 Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				4,321.41
H.2 Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1 Contractor's Profit - As Submitted				3,457.13
I.2 Contractor's Profit - As Evaluated				-
J.1 Value Added Tax - As Submitted				2,549.63
J.2 Value Added Tax - As Evaluated				-
K.1 Total Unit Cost - As Submitted				53,542.23
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.5
Unit of Measurement : Project Billboard/Signboard
Output per hour-As Submitted : 4.00 each
Output per hour-As Evaluated :

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
Labor				
a. Foreman	1	16	80.95	1,295.22
b. Skilled Laborer	1	16	58.61	937.74
c. Unskilled Laborer	2	16	45.16	1,445.00
Sub-Total for A-1 As Submitted				3,677.96
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				3,677.96
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. Tarpsulin (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				-

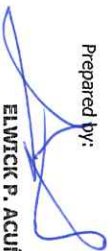
Prepared by:

ELWICK P. ACUÑA
Engineer II


Checked/Reviewed

ISIDRA A. ESTANISLAO
Engineer IV

Item No./Description : B.7
Unit of Measurement : Occupation Safety & Health
Output per hour-As Submitted : 6.93 month
Output per hour-As Evaluated :

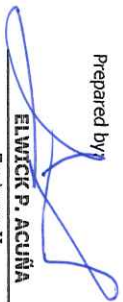
Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
A.1				
Labor				
a. Safety Practorner	1	832.00	80.95	67,351.44
b. First Alder	1	1664.00	58.61	97,524.96
Sub-Total for A-1 As Submitted				164,876.40
A.2				
Labor				
Sub-Total for A-2 As Evaluated				
B.1				
Equipment	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
a. Warning Signs and Barricades				60,000.00
Sub-Total for B-1 As Submitted				60,000.00
B.2				
Equipment				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				224,876.40
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				224,876.40
E.2				
Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				
F.1				
Materials	Unit	Quantity	Unit Cost	Amount (Php.)
a. Rubber Boots (Long w/ Steel Toe, Black)	pair	24.00	400.00	9,600.00
b. Working Gloves (Maiong 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
F.2				
Equipment				
Sub-Total for F-2 As Evaluated				
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				251,636.40
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				20,130.91
I.2				
Contractor's Profit - As Evaluated				
J.1				
Value Added Tax - As Submitted				13,588.37
J.2				
Value Added Tax - As Evaluated				
K.1				
Total Unit Cost - As Submitted				285,355.68
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.9
Unit of Measurement : Mobilization & Demobilization
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				-
A.2				
Labor				
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	40	4,255.38	1,70,215.00
b. Water Truck	1	40	2,450.00	98,000.00
c. Backhoe	2	40	1,537.00	61,480.00
d. Bulldozer	1	40	3,379.00	135,160.00
e. Dump Truck	4	40	1,420.00	56,800.00
f. Payloader	1	40	1,733.00	69,320.00
Sub-Total for B-1 As Submitted				590,975.00
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				590,975.00
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				590,975.00
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.)
F.1				
Materials				
Sub-Total for F-1 As Submitted				-
Materials				
F.2				
Sub-Total for F-2 As Evaluated				
G.1				590,975.00
Direct Unit Cost (E.1+F.1) - As Submitted				
G.2				-
Direct Unit Cost (E.2+F.2) - As Evaluated				
H.1				59,097.50
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				
H.2				-
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				
I.1				47,278.00
Contractor's Profit - As Submitted				
I.2				-
Contractor's Profit - As Evaluated				
J.1				34,867.53
Value Added Tax - As Submitted				
J.2				-
Value Added Tax - As Evaluated				
K.1				732,218.03
Total Unit Cost - As Submitted				
K.2				-
Total Unit Cost - As Evaluated				

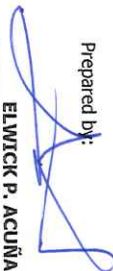
Prepared by

ELWICK P. ACUÑA
Engineer II

Checked/Reviewed

ISIDRA A. ESTANISLAO
Engineer IV

Item No./Description : 103(1)a
Unit of Measurement : Structure Excavation
Output per hour-As Submitted : 324.00 cu.m.
Output per hour-As Evaluated : 20.00

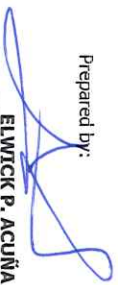
Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
Labor				
a. Foreman	1	1	80.95	80.95
b. Unskilled Laborer	3	1	45.16	135.47
Sub-Total for A-1 As Submitted				216.42
Labor				
Sub-Total for A-2 As Evaluated				
Name and Capacity	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
Equipment				
a. Dump Truck (12 cu.yd.)	2	1	1,420.00	2,840.00
b. Backhoe (0.80 cu.m.)	1	1	1,537.00	1,537.00
Minor Tools 10% of Labor				21.64
Sub-Total for B-1 As Submitted				4,398.64
Equipment				
Sub-Total for B-2 As Evaluated				
Total (A.1+B.1) - As Submitted				4,615.06
Total (A.2+B.2) - As Evaluated				-
Output per Hour - As Submitted				20.00
Output per Hour - As Evaluated				
Direct Unit Cost (C.1 ÷ D.1) - As Submitted				230.75
Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
Materials				
Sub-Total for F-1 As Submitted				-
Equipment				
Sub-Total for F-2 As Evaluated				
Direct Unit Cost (E.1+F.1) - As Submitted				230.75
Direct Unit Cost (E.2+F.2) - As Evaluated				-
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				23.08
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
Contractor's Profit - As Submitted				18.46
Contractor's Profit - As Evaluated				-
Value Added Tax - As Submitted				13.61
Value Added Tax - As Evaluated				-
Total Unit Cost - As Submitted				285.90
Total Unit Cost - As Evaluated				-

Prepared by: 
ELWICK P. ACUÑA
Engineer II

Checked/Reviewed 
ISIDRA A. ESTANISLAO
Engineer IV

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

Designation		No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
A.1	Labor				
	a. Foreman	1	1	80.95	80.95
	b. Unskilled Laborer	4	1	45.16	180.63
Sub-Total for A-1 As Submitted					261.58
Labor					
Sub-Total for A-2 As Evaluated					
A.2	Name and Capacity		No. of Units	No. of Hour/s	Hourly Rate
	Equipment				
	a. Plate Compactor (5 hp)	1	1	123.00	123.00
B.1	b. Water Truck/Pump (16000 L)	1	0.01	2,450.00	24.50
	Minor Tools 10% of Labor				26.16
Sub-Total for B-1 As Submitted					173.66
Equipment					
Sub-Total for B-2 As Evaluated					
B.2	Sub-Total for B-2 As Evaluated				
	Total (A.1+B.1) - As Submitted				435.23
C.1	Total (A.2+B.2) - As Evaluated				-
C.2	Output per Hour - As Submitted				1.25
D.1	Output per Hour - As Evaluated				
E.1	Direct Unit Cost (C.1 ÷ D.1) - As Submitted				348.19
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	2,124.20	2,442.83
	Sub-Total for F-1 As Submitted				2,442.83
Materials					
F.2	Sub-Total for F-2 As Evaluated				
	Direct Unit Cost (E.1+F.1) - As Submitted				2,791.02
G.1	Direct Unit Cost (E.2+F.2) - As Evaluated				-
G.2	Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				279.10
H.1	Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
H.2	Contractor's Profit - As Submitted				223.28
I.1	Contractor's Profit - As Evaluated				-
I.2	Value Added Tax - As Submitted				164.67
J.1	Value Added Tax - As Evaluated				-
K.1	Total Unit Cost - As Submitted				3,458.07
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
Unit of Measurement : Pipe Culverts and Drain Excavation
Output per hour-As Submitted : 96.00 cu.m.
Output per hour-As Evaluated : 20.00

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
A.1				
Labor				
a. Foreman	1	1	80.95	80.95
b. Unskilled Laborer	3	1	45.16	135.47
Sub-Total for A-1 As Submitted				216.42
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				21.64
Sub-Total for B-1 As Submitted				4,398.64
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				4,615.06
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				230.75
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				230.75
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				23.08
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1				
Contractor's Profit - As Submitted				18.46
I.2				
Contractor's Profit - As Evaluated				-
J.1				
Value Added Tax - As Submitted				13.61
J.2				
Value Added Tax - As Evaluated				-
K.1				
Total Unit Cost - As Submitted				285.90
K.2				
Total Unit Cost - As Evaluated				-

Prepared by: 
ELWICK P. ACUÑA
Engineer II

Checked/Reviewed

ISIDRA A. ESTANISLAO
Engineer IV

Item No./Description : 104(1)a
Unit of Measurement : Embankment from Roadway Excavation
Output per hour-As Submitted : 19,297.00 cu.m.
Output per hour-As Evaluated : 50.00

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
Labor				
For Excavation Work				
a. Foreman	1	0.83	80.95	67.19
b. Unskilled Laborer	2	0.83	45.16	74.96
Spreading and Compaction				
a. Foreman	1	1	80.95	80.95
b. Unskilled Laborer	2	1	45.16	90.31
Sub-Total for A-1 As Submitted				313.41
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				
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
B.1				
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				11,545.07
Total (A.1+B.1) - As Submitted				-
C.2				50.00
Total (A.2+B.2) - As Evaluated				
D.1				
Output per Hour - As Submitted				
D.2				
Output per Hour - As Evaluated				
E.1				230.90
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.)
F.1				
Materials				
Sub-Total for F-1 As Submitted				-
Equipment				
F.2				
Sub-Total for F-2 As Evaluated				
G.1				230.90
Direct Unit Cost (E.1+F.1) - As Submitted				-
G.2				23.09
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				18.47
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				-
H.2				13.62
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				
I.1				286.09
Contractor's Profit - As Submitted				-
I.2				13.62
Value Added Tax - As Submitted				-
J.1				
Value Added Tax - As Evaluated				
J.2				
Total Unit Cost - As Submitted				
K.1				
Total Unit Cost - As Evaluated				
K.2				

Prepared by:

Checked/Reviewed

ELWICK P. ACUÑA


Engineer II

ISIDRA A. ESTANISLAO

Engineer IV

Item No./Description : 104(2)a
Unit of Measurement : Embankment from Borrow
Output per hour-As Submitted : 17,736.00 cu.m.
Output per hour-As Evaluated : 50.00

Designation		No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
A.1	Labor				
	a. Foreman	1	1	80.95	80.95
	b. Unskilled Laborer	2	1	45.16	90.31
	Sub-Total for A-1 As Submitted				171.26
A.2	Labor				
	Sub-Total for A-2 As Evaluated				
B.1	Equipment				
	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				4,631.50
B.2	Equipment				
	Sub-Total for B-2 As Evaluated				
C.1	Total (A.1+B.1) - As Submitted				4,802.76
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				96.06
E.2	Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				
Name and Specification		Unit	Quantity	Unit Cost	Amount (Php.)
F.1	Materials				
	a. Common Borrow	cu.m.	1.25	388.35	485.44
	(with 25% wastage factor)				
	Sub-Total for F-1 As Submitted				485.44
F.2	Materials				
	Sub-Total for F-2 As Evaluated				
G.1	Direct Unit Cost (E.1+F.1) - As Submitted				581.49
G.2	Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1	Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				58.15
H.2	Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1	Contractor's Profit - As Submitted				46.52
I.2	Contractor's Profit - As Evaluated				-
J.1	Value Added Tax - As Submitted				34.31
J.2	Value Added Tax - As Evaluated				-
K.1	Total Unit Cost - As Submitted				720.47
K.2	Total Unit Cost - As Evaluated				-

Prepared by: 
ELWICK P. ACUÑA
Engineer II

Checked/Reviewed: 
ISIDRA A. ESTANISLAO
Engineer IV

Item No./Description : 105(1)a
Subgrade Preparation
Unit of Measurement : 22,288.00 cu.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.)
A.1				
Labor				
a. Foreman	1	1	80.95	80.95
b. Unskilled Laborer	2	1	45.16	90.31
Sub-Total for A-1 As Submitted				171.26
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. 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				4,802.76
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				16.01
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				16.01
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				0.94
J.2				
Value Added Tax - As Evaluated				-
K.1				
Total Unit Cost - As Submitted				19.84
K.2				
Total Unit Cost - As Evaluated				-

Prepared by: 
ELWICK P. ACUÑA
Engineer II

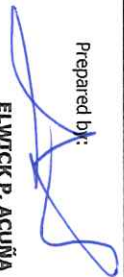
Checked/Reviewed: 
ISIDRA A. ESTANISLAO
Engineer IV

Item No./Description : 200(1)
Aggregate Subbase Course
Unit of Measurement : 9,025.00 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	80.95	80.95
b. Unskilled laborer	2	1	45.16	90.31
Sub-Total for A-1 As Submitted				171.26
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				
Sub-Total for B-2 As Evaluated				
Total (A.1+B.1) - As Submitted				4,802.76
Total (A.2+B.2) - As Evaluated				-
Output per Hour - As Submitted				50.00
Output per Hour - As Evaluated				
Direct Unit Cost (C.1 ÷ D.1) - As Submitted				96.06
Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
Materials				
a. Aggregate Subbase Course (with 15% wastage factor)	cu.m.	1.15	1,404.20	1,614.83
Sub-Total for F-1 As Submitted				1,614.83
Materials				
Sub-Total for F-2 As Evaluated				
Direct Unit Cost (E.1+F.1) - As Submitted				1,710.89
Direct Unit Cost (E.2+F.2) - As Evaluated				-
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				171.09
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
Contractor's Profit - As Submitted				136.87
Contractor's Profit - As Evaluated				-
Value Added Tax - As Submitted				100.94
Value Added Tax - As Evaluated				-
Total Unit Cost - As Submitted				2,119.79
Total Unit Cost - As Evaluated				-

Prepared by:

Checked/Reviewed


ELWICK P. ACUÑA
Engineer II


ISIDRA A. ESTANISLAO
Engineer IV

Item No./Description : 300(1)
Unit of Measurement : Gravel Surface Course
Output per hour-As Submitted : 823.00 cu.m.
Output per hour-As Evaluated : 50.00

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
A.1				
Labor				
a. Foreman	1	1	80.95	80.95
b. Unskilled Laborer	2	1	45.16	90.31
Sub-Total for A-1 As Submitted				171.26
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. 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				4,802.76
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				96.06
E.2				
Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
F.1				
Materials				
a. Uncrushed Aggregate Surface Course	cu.m.	1.15	1,422.20	1,635.53
(with 15% wastage factor)				
Sub-Total for F-1 As Submitted				1,635.53
Equipment				
F.2				
Sub-Total for F-2 As Evaluated				
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				1,731.59
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				173.16
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1				
Contractor's Profit - As Submitted				138.53
I.2				
Contractor's Profit - As Evaluated				-
J.1				
Value Added Tax - As Submitted				102.16
J.2				
Value Added Tax - As Evaluated				-
K.1				
Total Unit Cost - As Submitted				2,145.43
K.2				
Total Unit Cost - As Evaluated				-

Prepared by:

ELWICK P. ACUÑA
Engineer II

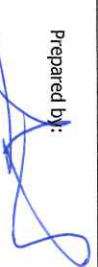
Checked/Reviewed

ISIDRA A. ESTANISLAO
Engineer IV

Item No./Description : 311(1)a
Unit of Measurement : Portland Cement Concrete Pavement
Output per hour-As Submitted : 2,255.00 sq.m.
Output per hour-As Evaluated : 107.33

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
A.1				
Labor				
a. Foreman	1	1	80.95	80.95
b. Skilled Laborer	4	1	58.61	234.44
b. Unskilled Laborer	12	1	45.16	541.88
Sub-Total for A-1 As Submitted				857.26
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.), LX80-2C	1	1	1,733.00	1,733.00
e. Concrete Screder (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				42.86
Sub-Total for B-1 As Submitted				12,039.47
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				12,896.73
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				120.16
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	2,124.20	175.25
f. Gravel	cu.m.	0.15	1,924.20	288.63
g. Cement	bag	1.43	310.00	443.30
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				961.29
Materials				
F.2				
Sub-Total for F-2 As Evaluated				
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				1,081.45
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				108.14
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1				
Contractor's Profit - As Submitted				86.52
I.2				
Contractor's Profit - As Evaluated				-
J.1				
Value Added Tax - As Submitted				63.81
J.2				
Value Added Tax - As Evaluated				-
K.1				
Total Unit Cost - As Submitted				1,339.91
K.2				
Total Unit Cost - As Evaluated				-

Prepared by:


ELWICK P. ACUÑA
Engineer II

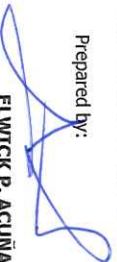
Checked/Reviewed


ISIDRA A. ESTANISLAO
Engineer IV

Item No./Description : 311(1)el
Unit of Measurement : Portland Cement Concrete Pavement
Output per hour-As Submitted : 18,984.00 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	80.95	80.95
b. Skilled Laborer	4	1	58.61	234.44
b. Unskilled Laborer	12	1	45.16	541.88
Sub-Total for A-1 As Submitted				857.26
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.), LX80-2C	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				42.86
Sub-Total for B-1 As Submitted				12,039.47
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				12,896.73
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				224.29
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.	0.50	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	40.00	18.40
F.1				
e. Sand	cu.m.	0.154	2,124.20	327.13
f. Gravel	cu.m.	0.28	1,924.20	538.78
g. Cement	bag	2.66	310.00	824.60
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				1,756.78
Materials				
F.2				
Sub-Total for F-2 As Evaluated				
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				1,981.07
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				198.11
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1				
Contractor's Profit - As Submitted				158.49
I.2				
Contractor's Profit - As Evaluated				-
J.1				
Value Added Tax - As Submitted				116.88
J.2				
Value Added Tax - As Evaluated				-
K.1				
Total Unit Cost - As Submitted				2,454.55
K.2				
Total Unit Cost - As Evaluated				-

Prepared by:

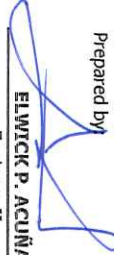

ELWICK P. ACUÑA
Engineer II

Checked/Reviewed


ISIDRA A. ESTANISLAO
Engineer IV

Item No./Description : 404(1)a
Unit of Measurement : Reinforcing Steel, Grade 40
Output per hour-As Submitted : 6,533.00 kg.
Output per hour-As Evaluated : 180.00

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
A.1				
Labor				
a. Foreman	1	1	80.95	80.95
b. Skilled Laborer	2	1	58.61	117.22
b. Unskilled Laborer	8	1	45.16	361.25
Sub-Total for A-1 As Submitted				559.42
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. Bar Cutter	1	0.5	219.75	109.88
b. Bar Bender	1	0.5	351.50	175.75
c. Cargo Truck (9 - 10 mt)	1	0.15	1,212.00	181.80
Sub-Total for B-1 As Submitted				467.43
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				1,026.84
C.2				
Total (A.2+B.2) - As Evaluated				-
D.1				
Output per Hour - As Submitted				180.00
D.2				
Output per Hour - As Evaluated				5.70
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				
F.1				
a. Tie Wire (2% of RSB)	kg.	0.02	100.00	2.10
b. Reinforcing Steel Bar	kg.	1.05	38.00	39.90
(with 5% wastage)				
Sub-Total for F-1 As Submitted				42.00
Materials				
F.2				
Sub-Total for F-2 As Evaluated				
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				47.70
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				4.77
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1				
Contractor's Profit - As Submitted				3.82
I.2				
Contractor's Profit - As Evaluated				-
J.1				
Value Added Tax - As Submitted				2.81
J.2				
Value Added Tax - As Evaluated				-
K.1				
Total Unit Cost - As Submitted				59.11
K.2				
Total Unit Cost - As Evaluated				-


Prepared by

ELWICK P. ACUÑA
Engineer II

Checked/Reviewed

ISIDRA A. ESTANISLAO
Engineer IV

Item No./Description : 404(1)b
Unit of Measurement : Reinforcing Steel, Grade 60
Output per hour-As Submitted : kg.
Output per hour-As Evaluated : 180.00

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
A.1				
Labor				
a. Foreman	1	1	80.95	80.95
b. Skilled Laborer	2	1	58.61	117.22
b. Unskilled Laborer	8	1	45.16	361.25
Sub-Total for A-1 As Submitted				559.42
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. Bar Cutter	1	0.5	219.75	109.88
b. Bar Bender	1	0.5	351.50	175.75
c. Cargo Truck (9 - 10 mt)	1	0.15	1,212.00	181.80
Sub-Total for B-1 As Submitted				467.43
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				1,026.84
C.2				
Total (A.2+B.2) - As Evaluated				-
D.1				
Output per Hour - As Submitted				180.00
D.2				
Output per Hour - As Evaluated				
E.1				
Direct Unit Cost (C.1 ÷ D.1) - As Submitted				5.70
E.2				
Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
F.1				
Materials				
a. Tie Wire (2% of RSB)	kg.	0.02	100.00	2.10
b. Reinforcing Steel Bar	kg.	1.05	40.00	42.00
(with 5% wastage)				
Sub-Total for F-1 As Submitted				44.10
Materials				
F.2				
Sub-Total for F-2 As Evaluated				
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				49.80
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				4.98
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1				
Contractor's Profit - As Submitted				3.98
I.2				
Contractor's Profit - As Evaluated				-
J.1				
Value Added Tax - As Submitted				2.94
J.2				
Value Added Tax - As Evaluated				-
K.1				
Total Unit Cost - As Submitted				61.71
K.2				
Total Unit Cost - As Evaluated				-

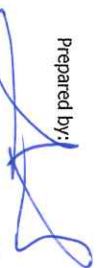
Prepared by

ELWICK P. ACUÑA
Engineer II

Checked/Reviewed

ISIDRA A. ESTAMISLAO
Engineer IV

Item No./Description : 405(1)a3
Unit of Measurement : Structural Concrete, Class "A"
Output per hour-As Submitted : 165.00 cu.m.
Output per hour-As Evaluated : 1.40

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
Labor				
a. Foreman	1	1	80.95	80.95
b. Skilled Laborer	4	1	58.61	234.44
c. Unskilled Laborer	8	1	45.16	361.25
A.1				
Installation/Removal of Formworks				
a. Skilled Laborer	4	1	58.61	234.44
b. Unskilled Laborer	8	1	45.16	361.25
Sub-Total for A-1 As Submitted				1,272.32
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	219.75	219.75
b. Concrete Vibrator	1	1	351.50	351.50
c. Water Truck/Pump (16000 L)	1	0.1	1,212.00	121.20
Minor Tools 5% of Labor				63.62
Sub-Total for B-1 As Submitted				756.07
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				2,028.39
C.2				
Total (A.2+B.2) - As Evaluated				-
D.1				
Output per Hour - As Submitted				1.40
D.2				
Output per Hour - As Evaluated				
E.1				
Direct Unit Cost (C.1 ÷ D.1) - As Submitted				1,448.85
E.2				
Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
Materials				
a. Lumber, Good - 4 uses	bd.ft.	70.00	37.00	647.50
b. Marine Plywood (1/2" x 4' x 8') - 4 uses	pc.	1.60	1,100.00	440.00
c. Assorted CWN	kg.	0.70	65.00	45.50
d. Cement	bag	9.50	310.00	2,945.00
e. Sand	cu.m.	0.50	2,124.20	1,062.10
f. Gravel	cu.m.	1.00	1,924.20	1,924.20
Sub-Total for F-1 As Submitted				7,064.30
Materials				
F.2				
Sub-Total for F-2 As Evaluated				
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				8,513.15
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				851.31
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1				
Contractor's Profit - As Submitted				681.05
I.2				
Contractor's Profit - As Evaluated				-
J.1				
Value Added Tax - As Submitted				502.28
J.2				
Value Added Tax - As Evaluated				-
K.1				
Total Unit Cost - As Submitted				10,547.79
K.2				
Total Unit Cost - As Evaluated				-

Prepared by: 
ELWICK P. ACUÑA
Engineer II

Checked/Reviewed 
ISIDRA A. ESTANISLAO
Engineer IV

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: 500(1)b3
: Pipe Culv
: 46.00
: 1.00
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Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
Labor				
a. Foreman	1	0.57	80.95	46.14
b. Skilled Laborer	2	0.57	58.61	66.81
c. Unskilled Laborer	4	0.57	45.16	102.96
Sub-Total for A-1 As Submitted				215.91
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. 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				21.59
Sub-Total for B-1 As Submitted				502.99
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
Total (A.1+B.1) - As Submitted				718.90
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				718.90
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	310.00	334.80
b. Sand	cu.m.	0.06	2,124.20	129.58
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	2,124.20	271.90
Sub-Total for F-1 As Submitted				2,401.27
Materials				
F.2				
Sub-Total for F-2 As Evaluated				
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				3,120.18
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				312.02
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1				
Contractor's Profit - As Submitted				249.61
I.2				
Contractor's Profit - As Evaluated				-
J.1				
Value Added Tax - As Submitted				184.09
J.2				
Value Added Tax - As Evaluated				-
K.1				
Total Unit Cost - As Submitted				3,865.90
K.2				
Total Unit Cost - As Evaluated				-

Checked/Reviewed

WICK 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 : 25.00 cu.m.
Output per hour-As Evaluated : 1.25

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
A.1				
Labor				
a. Foreman	1	1	80.95	80.95
b. Skilled Laborer	2	1	58.61	117.22
c. Unskilled Laborer	8	1	45.16	361.25
Sub-Total for A-1 As Submitted				559.42
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. 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				55.94
Sub-Total for B-1 As Submitted				350.44
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				909.86
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				727.89
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. Cement	bag	3.00	310.00	930.00
b. Sand	cu.m.	0.25	2,124.20	531.05
c. Gravel	cu.m.	0.15	1,924.20	288.63
d. Weep Holes (PVC)	m.	0.30	4,700.00	1,410.00
e. Filter Cloth	sq.m.	0.015	160.00	2.40
f. Boulder	cu.m.	1.05	1,824.20	1,915.41
Miscellaneous 1% of Material Cost				50.77
Sub-Total for F-1 As Submitted				5,128.26
Materials				
F.2				
Sub-Total for F-2 As Evaluated				
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				5,856.15
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				585.62
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1				
Contractor's Profit - As Submitted				468.49
I.2				
Contractor's Profit - As Evaluated				-
J.1				
Value Added Tax - As Submitted				345.51
J.2				
Value Added Tax - As Evaluated				-
K.1				
Total Unit Cost - As Submitted				7,255.77
K.2				
Total Unit Cost - As Evaluated				-

Prepared by:


ELWICK P. ACUÑA

Engineer II

Checked/Reviewed



ISIDRA A. ESTANISLAO

Engineer IV

Item No./Description : 506(1)
Unit of Measurement : Stone Masonry
Output per hour-As Submitted : 46.00 cu.m.
Output per hour-As Evaluated : 1.60

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
A.1				
Labor				
a. Foreman	1	1	80.95	80.95
b. Skilled Laborer	2	1	58.61	117.22
c. Unskilled Laborer	8	1	45.16	361.25
Sub-Total for A-1 As Submitted				559.42
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. 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 10% of Labor				55.94
Sub-Total for B-1 As Submitted				442.64
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				1,002.06
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				626.29
E.2				
Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
F.1				
Materials				
a. Cement	bag	5.50	310.00	1,705.00
b. Sand	cu.m.	0.30	2,124.20	637.26
c. Gravel	cu.m.	0.20	1,924.20	384.84
d. Weep Holes (PVC)	m.	0.02	4,700.00	94.00
e. Filter Cloth	sq.m.	0.30	160.00	48.00
f. Boulder	cu.m.	1.05	1,824.20	1,915.41
Miscellaneous 1% of Material Cost				47.85
Sub-Total for F-1 As Submitted				4,832.36
Materials				
F.2				
Sub-Total for F-2 As Evaluated				
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				5,458.64
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				545.86
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1				
Contractor's Profit - As Submitted				436.69
I.2				
Contractor's Profit - As Evaluated				-
J.1				
Value Added Tax - As Submitted				322.06
J.2				
Value Added Tax - As Evaluated				-
K.1				
Total Unit Cost - As Submitted				6,763.26
K.2				
Total Unit Cost - As Evaluated				-

Prepared by:


ELWICK P. ACUÑA
Engineer II

Checked/Reviewed


ISIDRA A. ESTANISLAO
Engineer IV

Item No./Description : 612(1)
Unit of Measurement : ReflectORIZED Thermoplastic Pavement Markings (White)
Output per hour-As Submitted : 1,046.00 sq.m.
Output per hour-As Evaluated : 25.00

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
Labor				
A.1				
a. Foreman	1	1	80.95	80.95
b. Skilled Laborer	2	1	58.61	117.22
c. Unskilled Laborer	6	1	45.16	270.94
Sub-Total for A-1 As Submitted				469.11
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				46.91
Sub-Total for B-1 As Submitted				1,111.16
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				1,580.27
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				63.21
E.2				
Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
Materials				
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.)	cyf.	0.00	3,450.00	13.80
e. LPG (12 kg.)	cyf.	0.00	828.00	1.66
f. Calsunline	kg.	0.13	100.00	12.50
Miscellaneous 5% of Material Cost				32.24
Sub-Total for F-1 As Submitted				677.02
Materials				
F.2				
Sub-Total for F-2 As Evaluated				
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				740.23
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				74.02
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1				
Contractor's Profit - As Submitted				59.22
I.2				
Contractor's Profit - As Evaluated				-
J.1				
Value Added Tax - As Submitted				43.67
J.2				
Value Added Tax - As Evaluated				-
K.1				
Total Unit Cost - As Submitted				917.15
K.2				
Total Unit Cost - As Evaluated				-

Prepared by:


ELWICK P. ACUÑA

Engineer II


Checked/Reviewed


ISIDRA A. ESTANISLAO

Engineer IV

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

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
Labor				
A.1				
a. Foreman	1	1	80.95	80.95
b. Skilled Laborer	2	1	58.61	117.22
b. Unskilled Laborer	6	1	45.16	270.94
Sub-Total for A-1 As Submitted				469.11
Labor				
A.2				
Sub-Total for A-2 As Evaluated				
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				46.91
Sub-Total for B-1 As Submitted				1,111.16
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				1,580.27
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				63.21
E.2				
Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				
Materials				
F.1				
a. Thermoplastic Paint (Yellow)	bag	0.33	1,800.00	595.00
b. Glass Beads	bag	0.03	2,500.00	82.50
c. Primer	L	0.12	175.00	21.00
d. LPG (50 kg.)	cyl.	0.00	3,450.00	13.80
e. LPG (12 kg.)	cyl.	0.00	828.00	1.66
f. Calsunline	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				815.49
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				81.55
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1				
Contractor's Profit - As Submitted				65.24
I.2				
Contractor's Profit - As Evaluated				-
J.1				
Value Added Tax - As Submitted				48.11
J.2				
Value Added Tax - As Evaluated				-
K.1				
Total Unit Cost - As Submitted				1,010.39
K.2				
Total Unit Cost - As Evaluated				-

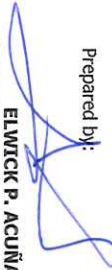
Prepared by

ELWICK P. ACUÑA
Engineer II

Checked/Reviewed

ISIDRA A. ESTAMISLAO
Engineer IV

Item No./Description : 622(1)a
Unit of Measurement : Coco-net
Output per hour-As Submitted : 1,086.00 sq.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	80.95	80.95
b. Unskilled Laborer	8	1	45.16	361.25
Sub-Total for A-1 As Submitted				442.20
Labor				
Sub-Total for A-2 As Evaluated				
Name and Capacity	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
Equipment				
a. Water Truck/Pump	1	0.25	2,450.00	612.50
Minor Tools 10% of Labor				44.22
Sub-Total for B-1 As Submitted				656.72
Equipment				
Sub-Total for B-2 As Evaluated				
Total (A.1+B.1) - As Submitted				1,098.92
Total (A.2+B.2) - As Evaluated				-
Output per Hour - As Submitted				50.00
Output per Hour - As Evaluated				
Direct Unit Cost (C.1 ÷ D.1) - As Submitted				21.98
Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
Materials				
a. Erosion Control Net CGN400 with 5% wastage	sq.m.	1.05	110.00	115.50
Sub-Total for F-1 As Submitted				115.50
Materials				
Sub-Total for F-2 As Evaluated				
Sub-Total for F-2 As Evaluated				
Direct Unit Cost (E.1+F.1) - As Submitted				137.48
Direct Unit Cost (E.2+F.2) - As Evaluated				-
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				13.75
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
Contractor's Profit - As Submitted				11.00
Contractor's Profit - As Evaluated				-
Value Added Tax - As Submitted				8.11
Value Added Tax - As Evaluated				-
Total Unit Cost - As Submitted				170.34
Total Unit Cost - As Evaluated				-


Prepared by:

ELWICK P. ACUÑA
Engineer II

Checked/Reviewed

ISIDRA A. ESTANISLAO
Engineer IV

Item No./Description : 622(1)b
Unit of Measurement : Coco-net
Output per hour-As Submitted : 5,883.00 sq.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	80.95	80.95
b. Unskilled Laborer	8	1	45.16	361.25
Sub-Total for A-1 As Submitted				442.20
Labor				
Sub-Total for A-2 As Evaluated				
Name and Capacity	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
Equipment				
a. Water Truck/Pump	1	0.25	2,450.00	612.50
Minor Tools	10% of Labor			44.22
Sub-Total for B-1 As Submitted				656.72
Equipment				
Sub-Total for B-2 As Evaluated				
C.1 Total (A.1+B.1) - As Submitted				1,098.92
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				21.98
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.)
F.1 Materials				
a. Erosion Control Net CGN700 with 5% wastage	sq.m.	1.05	150.00	157.50
Sub-Total for F-1 As Submitted				157.50
Materials				
Sub-Total for F-2 As Evaluated				
G.1 Direct Unit Cost (E.1+F.1) - As Submitted				179.48
G.2 Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1 Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				17.95
H.2 Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1 Contractor's Profit - As Submitted				14.36
I.2 Contractor's Profit - As Evaluated				-
J.1 Value Added Tax - As Submitted				10.59
J.2 Value Added Tax - As Evaluated				-
K.1 Total Unit Cost - As Submitted				222.37
K.2 Total Unit Cost - As Evaluated				-


Prepared by: 
ELWICK P. ACUÑA
Engineer II

Checked/Reviewed

ISIDRA A. ESTANISLAO
Engineer IV

Item No./Description : 622(2)b
Coco-logs/Fascine
Unit of Measurement : 1,160.00 In.m.
Output per hour-As Submitted : 15.00
Output per hour-As Evaluated :

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
Labor				
a. Foreman	1	1	80.95	80.95
b. Unskilled Laborer	8	1	45.16	361.25
Sub-Total for A-1 As Submitted				442.20
Labor				
Sub-Total for A-2 As Evaluated				
Name and Capacity	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
Equipment				
Minor Tools 10% of Labor				44.22
Sub-Total for B-1 As Submitted				44.22
Equipment				
Sub-Total for B-2 As Evaluated				
Total (A.1+B.1) - As Submitted				486.42
Total (A.2+B.2) - As Evaluated				-
Output per Hour - As Submitted				15.00
Output per Hour - As Evaluated				
Direct Unit Cost (C.1 ÷ D.1) - As Submitted				32.43
Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
Materials				
a. Coco Fiber Roll (CGR 200)	m.	1.05	410.00	430.50
Sub-Total for F-1 As Submitted				430.50
Materials				
Sub-Total for F-2 As Evaluated				
Direct Unit Cost (E.1+F.1) - As Submitted				462.93
Direct Unit Cost (E.2+F.2) - As Evaluated				-
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				46.29
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
Contractor's Profit - As Submitted				37.03
Contractor's Profit - As Evaluated				-
Value Added Tax - As Submitted				27.31
Value Added Tax - As Evaluated				-
Total Unit Cost - As Submitted				573.57
Total Unit Cost - As Evaluated				-

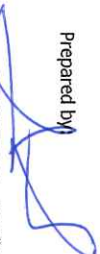
Prepared by

ELWICK P. ACUÑA
Engineer II

Checked/Reviewed

ISIDRA A. ESTANISLAO
Engineer IV

Item No./Description : 622(3)b
Unit of Measurement : Vegetation
Output per hour-As Submitted : 6,970.00 sq.m.
Output per hour-As Evaluated : 35.00

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
A.1				
Labor				
a. Foreman	1	1	80.95	80.95
b. Unskilled Laborer	8	1	45.16	361.25
Sub-Total for A-1 As Submitted				442.20
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. Water Truck/Pump	1	0.25	10.00	2.50
Minor Tools 10% of Labor				44.22
Sub-Total for B-1 As Submitted				46.72
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				488.92
C.2				
Total (A.2+B.2) - As Evaluated				-
D.1				
Output per Hour - As Submitted				35.00
D.2				
Output per Hour - As Evaluated				13.97
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.)
F.1				
Materials				
a. Vertiver Grass System	sq.m.	1.05	102.00	107.10
Sub-Total for F-1 As Submitted				107.10
Materials				
F.2				
Sub-Total for F-2 As Evaluated				
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				121.07
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				12.11
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1				
Contractor's Profit - As Submitted				9.69
I.2				
Contractor's Profit - As Evaluated				-
J.1				
Value Added Tax - As Submitted				7.14
J.2				
Value Added Tax - As Evaluated				-
K.1				
Total Unit Cost - As Submitted				150.00
K.2				
Total Unit Cost - As Evaluated				-

Prepared by 
ELWICK P. ACUÑA
Engineer II

Checked/Reviewed 
ISIDRA A. ESTANISLAO
Engineer IV

DELIVERY COST :

55,802.27	- Bags, Portland Cement	@ P	7.80	/ bag	= P	<u>435,257.71</u>
	Sub - Total					P 435,257.71

LABOR :

1	- Foreman	@ P	611.92 /day	x	21.35 days = P	13,065.79
10	- Laborers, unloading	@ P	342.24 /day	x	21.35 days = P	73,075.49
	Sub - Total					P 86,141.28

MATERIALS :

55,802.27	- Bags, Portland Cement	@ P	300.00	/ bag	= P	<u>16,740,681.00</u>
	(Pick-Up Price)					P 16,740,681.00

Estimated Quantity	55,802.27 Bags					
Unit Cost	P 309.34 / Bag,	say	P	310.00 / Bag		
Grand Total	P 17,262,079.99					
Delivery Cost	P 435,257.71					
Labor	P 86,141.28					
Materials	P 16,740,681.00					

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	3,224.65
Portland Cement Concrete Pavement	50,497.44
Structural Concrete, Class "A"	1,567.50
Pipe Culverts	49.68
Grouted Riprap, Class "A"	75.00
Stone Masonry	253.00
T O T A L	55,802.27

Quantity = **55,802.27** Bags

Delivery Charge = P 0.120 / bag / km.

S I T E	HAULING DISTANCE
Zamboanga City DEO	65.00
Batching plant	

*Average hauling distance from Source to assumed Stockpiling area :
say 65.00 km.

$$\begin{aligned} \text{Delivery Charge} &= P \quad 0.120 \quad \times \quad 65.00 \\ &= P \quad \mathbf{7.80} \quad / \text{ bag} \end{aligned}$$

*Delivery Truck : 55,802.27 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 computation : **TIME-MOTION ANALYSIS**

Speed when loaded	: 30.00	kph
Speed when unloaded	: 40.00	kph
Loaded running	= $\frac{65.00}{30.00} \times 60$	= 130.00 mins.
Unloaded running	= $\frac{65.00}{40.00} \times 60$	= 97.50 mins.
Loading and Unloading allowance for delay/traffic	: 45.00	mins.
Capacity of Dumptruck	: 8.00	cum.
	: 500.00	bags
Total Cycle time	: 275.50	mins.
No. of trips for Dumptruck per day	= $\frac{8.0}{275.50} \times 60.00$	= 1.74 say
Dumptruck daily output using (3) Dumptrucks	= 500 x 1.74	= 871.14 cum.
	= 3 x 871.14	= 2,613.43 cum.

1. No. of days for Delivery Truck	= $\frac{55,802.27}{2,613.43}$	= 21.35	say	21.35	days
2. No. of days for Labor, for unloading	= complimentary to D.Truck days	=		21.35	days

UNIT COST ANALYSIS FOR HAULING COST FOR ALL AGGREGATES

Hauling Cost from the Quarry to Batchng 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.) : 16,000.00 kg.

Unit weight of Fine Aggregates : 1,640.00 kg/m³

Unit weight of Coarse Aggregates : 1,534.00 kg/m³

Maximum Volume to be Carried per DT : 11.57 cu.m.

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

Speed when loaded	:	30.00	kph
Speed when unloaded	:	40.00	kph
Loaded running	=	$\frac{5.00 \times 60}{30.00}$	= 10.00 mins.
Unloaded running	=	$\frac{5.00 \times 60}{40.00}$	= 7.50 mins.
Loading and Unloading allowance for delay/traffic	:	5.00 mins. 3.00 mins.	
Capacity of Dumptruck	:	10.00 cu.m.	
Total Cycle time	:	25.50 mins.	
No. of trips for Dumptruck per day	=	$\frac{8 \times 60.00}{25.50}$	= 18.82 say 18.82 trips
Dumptruck daily output Using (5) Dumptrucks	=	10 x 18.82 = 5 x 188.24	= 188.24 cu.m. = 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 P 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.
Cost of Fine Aggregates:	60.00 x	12.07 =	724.20 +	1,400.00 =	2,124.20
Cost of Coarse Aggregates:	60.00 x	12.07 =	724.20 +	1,200.00 =	1,924.20
Cost of Item 200 Materials:	60.00 x	12.07 =	724.20 +	680.00 =	1,404.20
Cost of Item 201 Materials:	60.00 x	12.07 =	724.20 +	680.00 =	1,404.20
Cost of Item 300 Materials:	60.00 x	12.07 =	724.20 +	698.00 =	1,422.20
Cost of Boulders:	60.00 x	12.07 =	724.20 +	1,100.00 =	1,824.20
Cost of Embankment, Common Borrow:	5.00 x	12.07 =	60.35 +	328.00 =	388.35