



Project : Widening of Permanent Bridges - Tigbao Bridge (B00556MN) Along Pagadian City - Zamboanga City Road, Locomo, Zamboanga City

Project ID	:	
Location	:	Zamboanga City
Station Limits	:	1854+360.00 - 1854+585.21 (Approach), 1854+585.21 - 1854+706.41 (Bridge), 1854+706.41 - 1854+800.00 (Approach)
Source of Funds	:	CY-2019

Target Start Date	:	
Total Project Duration	:	360 Calendar Days
No. of Pre-determined	:	46 Calendar Days
Unworkable Days	:	37 Calendar Days

100.00%	97,615,249.87
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	AS SUBMITTED	AS EVALUATED
1. Labor	5,827,515.96	
2. Materials	75,894,991.52	
3. Rental of Equipment	15,892,742.40	
4. Provisional Sum/Daywork	-	
5. OCM and Profit	17,219,844.03	
6. Value Added Tax	5,741,754.70	
7. EAO, 3.5%	4,375,000.00	
8. RROW Acquisition		
9. Physical Reseved (Contingency)	48,151.40	
10. TOTAL ESTIMATED COST	125,000,000.00	

	AS SUBMITTED	AS EVALUATED
A. Total Direct Cost	97,615,249.87	
B. OCM and Profit	17,219,844.03	
C. Value Added Tax	5,741,754.70	
D. Total Construction Cost	-	
E. Eng'g. & Administrative Overhead	4,375,000.00	
F. RROW Acquisition	-	
G. Physical Reserved (Contingency)	48,151.40	
H. TOTAL ESTIMATED COST	125,000,000.00	

Prepared by: 
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Maintenance Division

Checked/Submitted by:

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Maintenance Division

Evaluation:

Reviewed by:


SATURNINO C. TORREFRANCA
District Engineer
Planning & Design Division

Approval:

Recommending Approval

KHADAFY D. TANGGOL
Assistant Regional Director

Approved:


CAYAMOMBAO D. DIA
Regional Director



**Widening of Permanent Bridges - Tigbao Bridge (B00556MN) Along Pagadian City - Zamboanga City Road, Licombo, Zamboanga City
Zamboanga City**

FORM POW-2015-01A-00

ITEMIZED BREAKDOWN

ITEM NO.	DESCRIPTION	QUANTITY		UNIT	DIRECT COST				TOTAL UNIT COST		% DIRECT COST
		AS SUBMITTED	AS EVALUATED		TOTAL		UNIT COST		TOTAL		
					AS SUBMITTED	AS EVALUATED	AS SUBMITTED	AS EVALUATED	AS SUBMITTED	AS EVALUATED	
PART A	Facilities for the Engineers										
A.1.1(3)	Construction of Field Office for the Engineer	1.00		L.S.	436,827.75		436,827.75		541,229.58		0.45%
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.	317,340.00		317,340.00		359,863.56		0.33%
A.1.2(5)	Operation and Maintenance of 4 x 4 Pick-Up Type Service Vehicle for the Engineer	12.00		month	495,473.20		41,289.43		43,353.91		0.51%
	TOTAL OF PART A				1,249,640.95						1.28%
PART B	Other General Requirements										
B.4(1)	Construction Survey & Staking	0.44		km.	19,014.19		43,214.07		53,542.23		0.02%
B.5	Project Billboard/Signboard	4.00		each	18,337.96		4,584.49		5,680.18		0.02%
B.7	Occupation Safety & Health	12.00		month	372,123.00		31,010.25		35,165.62		0.38%
B.9	Mobilization & Demobilization	1.00		L.S.	870,834.00		870,834.00		914,375.70		0.89%
	TOTAL OF PART B				1,280,309.15						1.31%
PART C	Earthworks										
101(1)	Removal of Structure/Obstructions	1.00		L.S.	200,107.50		200,107.50		210,112.88		0.20%
101(8)	Removal of Existing Guardrails	24.00		ln.m.	932.72		38.86		48.15		0.00%
101(9)	Removal of Existing Guardrail Posts	10.00		each	971.58		97.16		120.38		0.00%
101(10)	Removal of Existing Road Signs	6.00		each	932.72		155.45		192.61		0.00%
103(1)a	Structure Excavation	63.04		cu.m.	14,546.68		230.75		285.90		0.01%
103(2)a	Bridge Excavation, Common Soil	271.64		cu.m.	62,882.76		231.49		286.82		0.06%
103(2)b	Bridge Excavation, Soft Rock	878.40		cu.m.	304,955.99		347.17		430.15		0.31%
104(1)a	Embankment from Roadway Excavation	797.52		cu.m.	184,148.53		230.90		286.09		0.19%
104(2)a	Embankment from Borrow	4,812.33		cu.m.	2,798,335.13		581.49		720.47		2.87%
105(1)a	Subgrade Preparation	1,536.89		sq.m.	24,604.40		16.01		19.84		0.03%
	TOTAL OF PART C				3,592,417.99						3.68%
PART D	Subbase and Base Course										
200(1)	Aggregate Subbase Course	1,209.04		cu.m.	1,984,618.33		1,641.48		2,033.80		2.03%
	TOTAL OF PART D				1,984,618.33						2.03%
PART E	Surface Courses										
311(1)a	Portland Cement Concrete Pavement	828.47		sq.m.	883,135.99		1,065.98		2,418.80		0.90%
311(1)e1	Portland Cement Concrete Pavement	2,493.11		sq.m.	4,867,099.56		1,952.22		2,418.80		4.99%
	TOTAL OF PART E				5,750,235.55						5.89%

ITEM NO.	DESCRIPTION	QUANTITY		UNIT	DIRECT COST				TOTAL UNIT COST		% DIRECT COST
		AS SUBMITTED	AS EVALUATED		TOTAL		UNIT COST		TOTAL		
					AS SUBMITTED	AS EVALUATED	AS SUBMITTED	AS EVALUATED	AS SUBMITTED	AS EVALUATED	
PART F	Bridge Construction										
400(1)a1	Precast Concrete Piles, furnished (400 mm x 400 mm)	3,630.00		m.	13,013,480.85		3,584.98		4,441.79		13.33%
400(6)	Structural Steel Sheet Piles, furnished	3,408.00		kg.	11,470,652.52		3,365.80		4,170.23		11.75%
400(12)	Structural Steel Sheet Piles, driven	2,886.00		kg.	2,838,289.45		983.47		1,218.52		2.91%
400(14)	Precast Concrete Piles, driven (soft strata)	3,509.00		m.	5,580,168.21		1,590.24		1,970.31		5.72%
400(16)a	Test Piles, furnished and driven	150.00		m.	643,311.69		4,288.74		5,313.75		0.66%
401(2)a	Concrete Railing	240.60		m.	764,998.58		3,179.55		3,939.46		0.78%
402(1)	Timber Structure	18.00		span	4,290,632.93		238,368.50		295,338.57		4.40%
404(1)a	Reinforcing Steel, Grade 40	9,264.30		kg.	453,700.76		48.97		60.68		0.46%
404(1)b	Reinforcing Steel, Grade 60	161,031.40		kg.	8,224,360.05		51.07		63.28		8.43%
405(1)b2	Structural Concrete, Class "A"	1,096.05		cu.m.	10,453,519.06		9,537.45		11,816.90		10.71%
406(1)f8	Prestressed Structural Concrete Member, Type IV-B	16.00		each	15,065,181.41		941,573.84		1,166,609.99		15.43%
407(8)	Lean Concrete	23.73		cu.m.	154,009.52		6,490.08		8,041.21		0.16%
412(1)	Elastomeric Bearing Pad	32.00		each	526,028.48		16,438.39		20,367.17		0.54%
413(3)b	Premolded Expansion Joint Filler with Sealant	9.72		cu.m.	4,958.31		510.11		632.03		0.01%
413(7)a1	Expansion Dam for Bridges (Steel)	3.00		set	1,304,595.57		434,865.19		538,797.97		1.34%
414(1)	Forms and Falsework	1.00		L.S.	4,644,227.15		4,644,227.15		5,754,197.44		4.76%
	TOTAL OF PART F				79,432,114.54						81.37%
PART G	Drainage and Slope Protection Structures										
505(2)a	Grouted Riprap, Class "A"	849.38		cu.m.	3,824,799.61		4,503.05		5,579.28		3.92%
508(1)	Hand Laid Rock Embankment	186.51		cu.m.	382,151.14		2,048.96		2,538.66		0.39%
	TOTAL OF PART G				4,206,950.75						4.31%
PART H	Miscellaneous Structure										
612(1)	Reflectorized Thermoplastic Pavement Markings (White)	88.00		sq.m.	65,140.30		740.23		917.15		0.07%
612(2)	Reflectorized Thermoplastic Pavement Markings (Yellow)	66.00		sq.m.	53,822.31		815.49		1,010.39		0.06%
	TOTAL OF PART H				118,962.61						0.12%
	GRAND TOTAL				97,615,249.87						100.00%



**Widening of Permanent Bridges - Tigbao Bridge (B005) Along Pagadian City - Zamboanga City Road, Locomo, Zamboanga City
Zamboanga City**

FORM POW-2015-01B-00

MINIMUM EQUIPMENT REQUIREMENT

No.	Equipment Description	Capacity	Number of Equipment	No.	Equipment Description	Capacity	Number of Equipment
1	Dumptruck (10 Wheeler)	12 cu. Yd	10	26	Diesel Hammer		1
2	Bulldozer		2	27	Drop Hammer		1
3	Backhoe	0.83 cu.m/1.04 cu. Yd	3	28	Jack Hammer		2
4	Road Grader		2	29	Air Compressor	356 - 450 cfm	1
5	Road Roller	10 mt	2	30	Service Crane	21 - 25 mt.	1
6	Payloader	1.50 cu.m/1.95 cu.yd	4	31	Crawler Crane with Bucket	36 - 40 mt.	1
7	Water Truck/Pump	16000L	2	32	Truck Mounted Crane with Bucket	41 - 45 mt.	1
8	Water Tank		2	33	Stressing (Jack) Machine		1
9	Transit Mixer	5-6 cu. Yd	4	34	Grouting Machine, Air Driven		1
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	Cargo Truck	9 - 10 mt	1	44			
20	Boom Truck		1	45			
21	Truck Mounted Crane		1	46			
22	Vibro Hammer	272.22 hp	1	47			
23	Generator Set	7000 kW	1	48			
24	Welding Machine	500A	1	49			
25	Cutting Outfit		2	50			
	SUB-TOTAL		51		SUB-TOTAL		10
TOTAL							61



DP REGIONAL OFFICE IX
Widening of Permanent Bridges - Tigbao Bridge (B00556mN) Along Pagadian City - Zamboanga City Road, Locomo, Zamboanga City
Zamboanga City

9167067600

FORM POW-2015-01C-00

ITEMIZED BREAKDOWN												
ITEM NO.	DESCRIPTION	DETAILED BREAKDOWN OF COMPONENT COST FOR EACH ITEM										
		%	QTY	UNIT	DIRECT COST				TOTAL MARK-UP		5% VAT	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	0.45%	1.00	L.S.	359,442.45	45,026.64	32,358.66	436,827.75	18.00%	78,628.99	541,229.58
A.1.1(11)	Provision of Provision of Furnitures/Fxtures, Equipment and Appliances for the Field Office for the Field Engineer	AS EVALUATED										
		AS SUBMITTED	0.33%	1.00	L.S.	317,340.00	-	-	317,340.00	8.00%	25,387.20	359,863.56
A.1.2(5)	Operation and Maintenance of 4 x 4 Pick-Up Type Service Vehicle for the Engineer	AS EVALUATED										
		AS SUBMITTED	0.51%	12.00	month	326,680.00	168,793.20	-	495,473.20	0.00%	-	520,246.86
	TOTAL OF PART A	AS EVALUATED										
		AS SUBMITTED	1.28%			1,003,462.45	213,819.84	32,358.66	1,249,640.95		104,016.19	1,421,340.00
PART B	Other General Requirements											
B.4(1)	Construction Survey & Staking	AS EVALUATED										
		AS SUBMITTED	0.02%	0.44	km.	4,851.00	11,875.63	2,287.56	19,014.19	18.00%	3,422.55	23,558.58
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	0.38%	12.00	month	26,760.00	285,363.00	60,000.00	372,123.00	8.00%	29,769.84	421,987.48
B.9	Mobilization & Demobilization	AS EVALUATED										
		AS SUBMITTED	0.89%	1.00	L.S.	-	-	870,834.00	870,834.00	0.00%	-	914,375.70
	TOTAL OF PART B	AS EVALUATED										
		AS SUBMITTED	1.31%			46,271.00	300,916.59	933,121.56	1,280,309.15		36,493.23	1,382,642.50
PART C	Earthworks											
101(1)	Removal of Structure/Obstructions	AS EVALUATED										
		AS SUBMITTED	0.20%	1.00	L.S.	-	30,303.50	169,804.00	200,107.50	0.00%	-	210,112.88
101(8)	Removal of Existing Guardrails	AS EVALUATED										
		AS SUBMITTED	0.00%	24.00	ln.m.	-	205.52	727.20	932.72	18.00%	167.89	1,155.64
101(9)	Removal of Existing Guardrail Posts	AS EVALUATED										
		AS SUBMITTED	0.00%	10.00	each	-	214.08	757.50	971.58	18.00%	174.88	1,203.79
101(10)	Removal of Existing Road Signs	AS EVALUATED										
		AS SUBMITTED	0.00%	6.00	each	-	205.52	727.20	932.72	18.00%	167.89	1,155.64
103(1)a	Structure Excavation	AS EVALUATED										
		AS SUBMITTED	0.01%	63.04	cu.m.	-	682.16	13,864.52	14,546.68	18.00%	2,618.40	18,023.33
103(2)a	Bridge Excavation, Common Soil	AS EVALUATED										
		AS SUBMITTED	0.06%	271.64	cu.m.	-	3,122.13	59,760.63	62,882.76	18.00%	11,318.90	77,911.73
103(2)b	Bridge Excavation, Soft Rock	AS EVALUATED										
		AS SUBMITTED	0.31%	878.40	cu.m.	-	14,422.86	290,533.14	304,955.99	18.00%	54,892.08	377,840.48
104(1)a	Embankment from Roadway Excavation	AS EVALUATED										
		AS SUBMITTED	0.19%	797.52	cu.m.	-	4,999.06	179,149.47	184,148.53	18.00%	33,146.73	228,160.02
104(2)a	Embankment from Borrow	AS EVALUATED										
		AS SUBMITTED	2.87%	4,812.33	cu.m.	2,336,085.44	16,483.55	445,766.13	2,798,335.13	18.00%	503,700.32	3,467,137.22
105(1)a	Subgrade Preparation	AS EVALUATED										
		AS SUBMITTED	0.03%	1,536.89	sq.m.	-	877.38	23,727.02	24,604.40	18.00%	4,428.79	30,484.85
	TOTAL OF PART C	AS EVALUATED										
		AS SUBMITTED	3.68%			2,336,085.44	71,515.74	1,184,816.80	3,592,417.99		610,615.89	4,413,185.57

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 D	Subbase and Base Course												
200(1)	Aggregate Subbase Course	AS EVALUATED											
		AS SUBMITTED	2.03%	1,209.04	cu.m.	1,868,483.66	4,141.29	111,993.38	1,984,618.33	18.00%	357,231.30	117,092.48	2,458,942.12
	TOTAL OF PART D	AS EVALUATED											
		AS SUBMITTED	2.03%			1,868,483.66	4,141.29	111,993.38	1,984,618.33		357,231.30	117,092.48	2,458,942.12
PART E	Surface Courses												
311(1)a	Portland Cement Concrete Pavement	AS EVALUATED											
		AS SUBMITTED	0.90%	828.47	sq.m.	783,587.37	6,617.12	92,931.50	883,135.99	18.00%	158,964.48	52,105.02	1,094,205.49
311(1)e1	Portland Cement Concrete Pavement	AS EVALUATED											
		AS SUBMITTED	4.99%	2,493.11	sq.m.	4,307,917.57	37,169.51	522,012.49	4,867,099.56	18.00%	876,077.92	287,158.87	6,030,336.36
	TOTAL OF PART E	AS EVALUATED											
		AS SUBMITTED	5.89%			5,091,504.94	43,786.62	614,943.99	5,750,235.55		1,035,042.40	339,263.90	7,124,541.85
PART F	Bridge Construction												
400(1)a1	Precast Concrete Piles, furnished (400 mm x 400 mm)	AS EVALUATED											
		AS SUBMITTED	13.33%	3,630.00	m.	10,379,095.65	982,475.84	1,651,909.36	13,013,480.85	18.00%	2,342,426.55	767,795.37	16,123,702.77
400(6)	Structural Steel Sheet Piles, furnished	AS EVALUATED											
		AS SUBMITTED	11.75%	3,408.00	ln.m.	11,332,281.60	13,654.78	124,716.14	11,470,652.52	18.00%	2,064,717.45	676,768.50	14,212,138.48
400(12)	Structural Steel Sheet Piles, driven	AS EVALUATED											
		AS SUBMITTED	2.91%	2,886.00	ln.m.	238,035.09	203,042.00	2,397,212.36	2,838,289.45	18.00%	510,892.10	167,459.08	3,516,640.63
400(14)	Precast Concrete Piles, driven (soft strata)	AS EVALUATED											
		AS SUBMITTED	5.72%	3,509.00	m.	1,500,392.26	1,028,635.94	3,051,140.01	5,580,168.21	18.00%	1,004,430.28	329,229.92	6,913,828.41
400(16)a	Test Piles, furnished and driven	AS EVALUATED											
		AS SUBMITTED	0.66%	150.00	m.	468,912.60	43,971.33	130,427.76	643,311.69	18.00%	115,796.10	37,955.39	797,063.18
401(2)a	Concrete Railing	AS EVALUATED											
		AS SUBMITTED	0.78%	240.60	m.	542,144.23	184,998.50	37,855.85	764,998.58	18.00%	137,699.74	45,134.92	947,833.24
402(1)	Timber Structure	AS EVALUATED											
		AS SUBMITTED	4.40%	18.00	span	3,615,000.00	101,309.94	574,322.99	4,290,632.93	18.00%	772,313.93	253,147.34	5,316,094.21
404(1)a	Reinforcing Steel, Grade 40	AS EVALUATED											
		AS SUBMITTED	0.46%	9,264.30	kg.	389,100.60	28,792.35	35,807.81	453,700.76	18.00%	81,666.14	26,768.34	562,135.24
404(1)b	Reinforcing Steel, Grade 60	AS EVALUATED											
		AS SUBMITTED	8.43%	161,031.40	kg.	7,101,484.74	500,466.58	622,408.73	8,224,360.05	18.00%	1,480,384.81	485,237.24	10,189,982.10
405(1)b2	Structural Concrete, Class "A"	AS EVALUATED											
		AS SUBMITTED	10.71%	1,096.05	cu.m.	9,612,659.91	148,325.43	692,533.71	10,453,519.06	18.00%	1,881,633.43	616,757.62	12,951,910.11
406(1)f8	Prestressed Structural Concrete Member, Type IV-B	AS EVALUATED											
		AS SUBMITTED	15.43%	16.00	each	11,520,000.00	1,039,313.28	2,505,868.13	15,065,181.41	18.00%	2,711,732.65	888,845.70	18,665,759.76
407(8)	Lean Concrete	AS EVALUATED											
		AS SUBMITTED	0.16%	23.73	cu.m.	138,376.16	3,896.34	11,737.03	154,009.52	18.00%	27,721.71	9,086.56	190,817.80
412(1)	Elastomeric Bearing Pad	AS EVALUATED											
		AS SUBMITTED	0.54%	32.00	each	517,348.04	5,480.44	3,200.00	526,028.48	18.00%	94,685.13	31,035.68	651,749.29
413(3)b	Premolded Expansion Joint Filler with Sealant	AS EVALUATED											
		AS SUBMITTED	0.01%	9.72	cu.m.	4,860.00	89.37	8.94	4,958.31	18.00%	892.50	292.54	6,143.35
413(7)a1	Expansion Dam for Bridges (Steel)	AS EVALUATED											
		AS SUBMITTED	1.34%	3.00	set	208,169.86	211,062.38	885,363.34	1,304,595.57	18.00%	234,827.20	76,971.14	1,616,393.91
414(1)	Forms and Falsework	AS EVALUATED											
		AS SUBMITTED	4.76%	1.00	L.S.	4,320,125.00	281,416.50	42,685.65	4,644,227.15	18.00%	835,960.89	274,009.40	5,754,197.44
	TOTAL OF PART F	AS EVALUATED											
		AS SUBMITTED	81.37%			61,887,985.74	4,776,931.00	12,767,197.80	79,432,114.54		14,297,780.62	4,686,494.76	98,416,389.91

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 G	Drainage and Slope Protection Structures												
505(2)a	Grouted Riprap, Class "A"	AS EVALUATED											
		AS SUBMITTED	3.92%	849.38	cu.m.	3,206,545.68	380,127.28	238,126.66	3,824,799.61	18.00%	688,463.93	225,663.18	4,738,926.72
508(1)	Hand Laid Rock Embankment	AS EVALUATED											
		AS SUBMITTED	0.39%	186.51	cu.m.	345,424.45	33,387.90	3,338.79	382,151.14	18.00%	68,787.20	22,546.92	473,485.26
	TOTAL OF PART G	AS EVALUATED											
		AS SUBMITTED	4.31%			3,551,970.12	413,515.18	241,465.45	4,206,950.75		757,251.13	248,210.09	5,212,411.98
PART H	Miscellaneous Structure												
612(1)	Reflectorized Thermoplastic Pavement Markngs (White)	AS EVALUATED											
		AS SUBMITTED	0.07%	88.00	sq.m.	59,577.76	1,651.25	3,911.29	65,140.30	18.00%	11,725.25	3,843.28	80,708.84
612(2)	Reflectorized Thermoplastic Pavement Markngs (Yellow)	AS EVALUATED											
		AS SUBMITTED	0.06%	66.00	sq.m.	49,650.40	1,238.44	2,933.46	53,822.31	18.00%	9,688.01	3,175.52	66,685.84
	TOTAL OF PART H	AS EVALUATED											
		AS SUBMITTED	0.12%			109,228.17	2,889.69	6,844.75	118,962.61		21,413.27	7,018.79	147,394.67
	GRAND TOTAL	AS EVALUATED											
		AS SUBMITTED	100.00%			75,894,991.52	5,827,515.96	15,892,742.40	97,615,249.87		17,219,844.03	5,741,754.70	120,576,848.60

**DPWH REGIONAL OFFICE IX**

Widening of Permanent Bridges - Tigbao Bridge (B00556MN) Along Pagadian City - Zamboanga City Road, Locomo, Zamboanga City
Zamboanga City

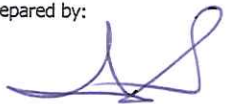
SUMMARY OF APPROVED BUDGET FOR THE CONTRACT

FORM POW-2015-02-00

DESCRIPTION OF WORKS TO BE DONE			ESTIMATED DIRECT COST	TOTAL MARK-UP		VAT	TOTAL INDIRECT COST	TOTAL COST
				%	TOTAL DIRECT COST			
PART A	Facilities for the Engineers	AS EVALUATED						
		AS SUBMITTED	1,249,640.95		104,016.19	67,682.86	171,699.05	1,421,340.00
PART B	Other General Requirements	AS EVALUATED						
		AS SUBMITTED	1,280,309.15		36,493.23	65,840.12	102,333.35	1,382,642.50
PART C	Earthworks	AS EVALUATED						
		AS SUBMITTED	3,592,417.99		610,615.89	210,151.69	820,767.58	4,413,185.57
PART D	Subbase and Base Courses	AS EVALUATED						
		AS SUBMITTED	1,984,618.33		357,231.30	117,092.48	474,323.78	2,458,942.12
PART E	Surface Courses	AS EVALUATED						
		AS SUBMITTED	5,750,235.55		1,035,042.40	339,263.90	1,374,306.30	7,124,541.85
PART F	Bridge Construction	AS EVALUATED						
		AS SUBMITTED	79,432,114.54		14,297,780.62	4,686,494.76	18,984,275.37	98,416,389.91
PART G	Drainage and Slope Protection Structures	AS EVALUATED						
		AS SUBMITTED	4,206,950.75		757,251.13	248,210.09	1,005,461.23	5,212,411.98
PART H	Miscellaneous Structure	AS EVALUATED						
		AS SUBMITTED	118,962.61		21,413.27	7,018.79	28,432.06	147,394.67
TOTAL		AS EVALUATED						
		AS SUBMITTED	97,615,249.87		17,219,844.03	5,741,754.70	22,961,598.73	120,576,848.60

Preparation and Submission:

Prepared by:


ELWICK P. ACUÑAEngineer II
Maintenance Division

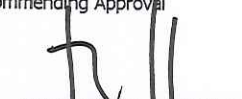
Checked/Submitted by:


ISIDRA A. ESTANISLAOEngineer IV
Maintenance Division**Evaluation:**


Reviewed by:


SATURNINO C. TORRE FRANCADistrict Engineer
Planning & Design Division**Approval:**

Recommending Approval


KHADAFF D. TANGGOL
Assistant Regional Director

Approved:


CAYAMBABO D. DIA
Regional Director



REGIONAL OFFICE IX
Widening of Permanent Bridges - Tigbao Bridge (B00550-11N) Along Pagadian City - Zamboanga City Road, Locomo, Zamboanga City
Zamboanga City

FORM POW-2015-02A-00

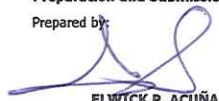
ITEM NO.	DESCRIPTION		QTY	UNIT	ESTIMATED DIRECT COST	TOTAL MARK-UP		VAT	TOTAL INDIRECT COST	TOTAL COST	UNIT COST
						%	VALUE				
PART A	Facilities for the Engineers										
A.1.1(3)	Construction of Field Office for the Engineer	AS EVALUATED									
		AS SUBMITTED	1.00	L.S.	436,827.75	18.00%	78,628.99	25,772.84	104,401.83	541,229.58	541,229.58
A.1.1(11)	Provision of Provision of Furnitures/Fbtures, Equipment and Appliances for the Field Office for the Field Engineer	AS EVALUATED									
		AS SUBMITTED	1.00	L.S.	317,340.00	8.00%	25,387.20	17,136.36	42,523.56	359,863.56	359,863.56
A.1.2(5)	Operation and Maintenance of 4 x 4 Pick-Up Type Service Vehicle for the Engineer	AS EVALUATED									
		AS SUBMITTED	12.00	month	495,473.20	0.00%	-	24,773.66	24,773.66	520,246.86	43,353.91
	TOTAL OF PART A	AS EVALUATED									
		AS SUBMITTED			1,249,640.95		104,016.19	67,682.86	171,699.05	1,421,340.00	
PART B	Other General Requirements										
B.4(1)	Construction Survey & Staking	AS EVALUATED									
		AS SUBMITTED	0.44	km.	19,014.19	18.00%	3,422.55	1,121.84	4,544.39	23,558.58	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	12.00	month	372,123.00	8.00%	29,769.84	20,094.64	49,864.48	421,987.48	35,165.62
B.9	Mobilization & Demobilization	AS EVALUATED									
		AS SUBMITTED	1.00	L.S.	870,834.00	0.00%	-	43,541.70	43,541.70	914,375.70	914,375.70
	TOTAL OF PART B	AS EVALUATED									
		AS SUBMITTED			1,280,309.15		36,493.23	65,840.12	102,333.35	1,382,642.50	
PART C	Earthworks										
101(1)	Removal of Structure/Obstructions	AS EVALUATED									
		AS SUBMITTED	1.00	L.S.	200,107.50	0.00%	-	10,005.38	10,005.38	210,112.88	210,112.88
101(8)	Removal of Existing Guardrails	AS EVALUATED									
		AS SUBMITTED	24.00	ln.m.	932.72	18.00%	167.89	55.03	222.92	1,155.64	48.15
101(9)	Removal of Existing Guardrail Posts	AS EVALUATED									
		AS SUBMITTED	10.00	each	971.58	18.00%	174.88	57.32	232.21	1,203.79	120.38
101(10)	Removal of Existing Road Signs	AS EVALUATED									
		AS SUBMITTED	6.00	each	932.72	18.00%	167.89	55.03	222.92	1,155.64	192.61
103(1)a	Structure Excavation	AS EVALUATED									
		AS SUBMITTED	63.04	cu.m.	14,546.68	18.00%	2,618.40	858.25	3,476.66	18,023.33	285.90
103(2)a	Bridge Excavation, Common Soil	AS EVALUATED									
		AS SUBMITTED	271.64	cu.m.	62,882.76	18.00%	11,318.90	3,710.08	15,028.98	77,911.73	286.82
103(2)b	Bridge Excavation, Soft Rock	AS EVALUATED									
		AS SUBMITTED	878.40	cu.m.	304,955.99	18.00%	54,892.08	17,992.40	72,884.48	377,840.48	430.15
104(1)a	Embankment from Roadway Excavation	AS EVALUATED									
		AS SUBMITTED	797.52	cu.m.	184,148.53	18.00%	33,146.73	10,864.76	44,011.50	228,160.02	286.09
104(2)a	Embankment from Borrow	AS EVALUATED									
		AS SUBMITTED	4,812.33	cu.m.	2,798,335.13	18.00%	503,700.32	165,101.77	668,802.10	3,467,137.22	720.47
105(1)a	Subgrade Preparation	AS EVALUATED									
		AS SUBMITTED	1,536.89	sq.m.	24,604.40	18.00%	4,428.79	1,451.66	5,880.45	30,484.85	19.84
	TOTAL OF PART C	AS EVALUATED									
		AS SUBMITTED			3,592,417.99		610,615.89	210,151.69	820,767.58	4,413,185.57	

ITEM NO.	DESCRIPTION		QTY	UNIT	ESTIMATED DIRECT COST	TOTAL MARK-UP		VAT	TOTAL INDIRECT COST	TOTAL COST	UNIT COST
						%	VALUE				
PART D	Subbase and Base Course										
200(1)	Aggregate Subbase Course	AS EVALUATED									
		AS SUBMITTED	1,209.04	cu.m.	1,984,618.33	18.00%	357,231.30	117,092.48	474,323.78	2,458,942.12	2,033.80
	TOTAL OF PART D	AS EVALUATED									
		AS SUBMITTED			1,984,618.33		357,231.30	117,092.48	474,323.78	2,458,942.12	
PART E	Surface Courses										
311(1)a	Portland Cement Concrete Pavement	AS EVALUATED									
		AS SUBMITTED	828.47	sq.m.	883,135.99	18.00%	158,964.48	52,105.02	211,069.50	1,094,205.49	1,320.75
311(1)e1	Portland Cement Concrete Pavement	AS EVALUATED									
		AS SUBMITTED	2,493.11	sq.m.	4,867,099.56	18.00%	876,077.92	287,158.87	1,163,236.80	6,030,336.36	2,418.80
	TOTAL OF PART E	AS EVALUATED									
		AS SUBMITTED			5,750,235.55		1,035,042.40	339,263.90	1,374,306.30	7,124,541.85	
PART F	Bridge Construction										
400(1)a1	Precast Concrete Piles, furnished (400 mm x 400 mm)	AS EVALUATED									
		AS SUBMITTED	3,630.00	m.	13,013,480.85	18.00%	2,342,426.55	767,795.37	3,110,221.92	16,123,702.77	4,441.79
400(6)	Structural Steel Sheet Piles, furnished	AS EVALUATED									
		AS SUBMITTED	3,408.00	ln.m.	11,470,652.52	18.00%	2,064,717.45	676,768.50	2,741,485.95	14,212,138.48	4,170.23
400(12)	Structural Steel Sheet Piles, driven	AS EVALUATED									
		AS SUBMITTED	2,886.00	ln.m.	2,838,289.45	18.00%	510,892.10	167,459.08	678,351.18	3,516,640.63	1,218.52
400(14)	Precast Concrete Piles, driven (soft strata)	AS EVALUATED									
		AS SUBMITTED	3,509.00	m.	5,580,168.21	18.00%	1,004,430.28	329,229.92	1,333,660.20	6,913,828.41	1,970.31
400(16)a	Test Piles, furnished and driven	AS EVALUATED									
		AS SUBMITTED	150.00	m.	643,311.69	18.00%	115,796.10	37,955.39	153,751.49	797,063.18	5,313.75
401(2)a	Concrete Railing	AS EVALUATED									
		AS SUBMITTED	240.60	m.	764,998.58	18.00%	137,699.74	45,134.92	182,834.66	947,833.24	3,939.46
402(1)	Timber Structure	AS EVALUATED									
		AS SUBMITTED	18.00	span	4,290,632.93	18.00%	772,313.93	253,147.34	1,025,461.27	5,316,094.21	295,338.57
404(1)a	Reinforcing Steel, Grade 40	AS EVALUATED									
		AS SUBMITTED	9,264.30	kg.	453,700.76	18.00%	81,666.14	26,768.34	108,434.48	562,135.24	60.68
404(1)b	Reinforcing Steel, Grade 60	AS EVALUATED									
		AS SUBMITTED	161,031.40	kg.	8,224,360.05	18.00%	1,480,384.81	485,237.24	1,965,622.05	10,189,982.10	63.28
405(1)b2	Structural Concrete, Class "A"	AS EVALUATED									
		AS SUBMITTED	1,096.05	cu.m.	10,453,519.06	18.00%	1,881,633.43	616,757.62	2,498,391.05	12,951,910.11	11,816.90
406(1)f8	Prestressed Structural Concrete Member, Type IV-8	AS EVALUATED									
		AS SUBMITTED	16.00	each	15,065,181.41	18.00%	2,711,732.65	888,845.70	3,600,578.36	18,665,759.76	1,166,609.99
407(8)	Lean Concrete	AS EVALUATED									
		AS SUBMITTED	23.73	cu.m.	154,009.52	18.00%	27,721.71	9,086.56	36,808.28	190,817.80	8,041.21
412(1)	Elastomeric Bearing Pad	AS EVALUATED									
		AS SUBMITTED	32.00	each	526,028.48	18.00%	94,685.13	31,035.68	125,720.81	651,749.29	20,367.17
413(3)b	Premolded Expansion Joint Filler with Sealant	AS EVALUATED									
		AS SUBMITTED	9.72	cu.m.	4,958.31	18.00%	892.50	292.54	1,185.04	6,143.35	632.63
413(7)a1	Expansion Dam for Bridges (Steel)	AS EVALUATED									
		AS SUBMITTED	3.00	set	1,304,595.57	18.00%	234,827.20	76,971.14	311,798.34	1,616,393.91	538,797.97
414(1)	Forms and Falsework	AS EVALUATED									
		AS SUBMITTED	1.00	L.S.	4,644,227.15	18.00%	835,960.89	274,009.40	1,109,970.29	5,754,197.44	5,754,197.44
	TOTAL OF PART E	AS EVALUATED									
		AS SUBMITTED			79,432,114.54		14,297,780.62	4,686,494.76	18,984,275.37	98,416,389.91	

ITEM NO.	DESCRIPTION		QTY	UNIT	ESTIMATED DIRECT COST	TOTAL MARK-UP		VAT	TOTAL INDIRECT COST	TOTAL COST	UNIT COST
						%	VALUE				
PART G	Drainage and Slope Protection Structures										
505(2)a	Grouted Riprap, Class "A"	AS EVALUATED									
		AS SUBMITTED	849.38	cu.m.	3,824,799.61	18.00%	688,463.93	225,663.18	914,127.11	4,738,926.72	5,579.28
508(1)	Hand Laid Rock Embankment	AS EVALUATED									
		AS SUBMITTED	186.51	cu.m.	382,151.14	18.00%	68,787.20	22,546.92	91,334.12	473,485.26	2,538.66
	TOTAL OF PART G	AS EVALUATED									
		AS SUBMITTED			4,206,950.75		757,251.13	248,210.09	1,005,461.23	5,212,411.98	
PART H	Miscellaneous Structure										
612(1)	Reflectorized Thermoplastic Pavement Markings (White)	AS EVALUATED									
		AS SUBMITTED	88.00	sq.m.	65,140.30	18.00%	11,725.25	3,843.28	15,568.53	80,708.84	917.15
612(2)	Reflectorized Thermoplastic Pavement Markings (Yellow)	AS EVALUATED									
		AS SUBMITTED	66.00	sq.m.	53,822.31	18.00%	9,688.01	3,175.52	12,863.53	66,685.84	1,010.39
	TOTAL OF PART H	AS EVALUATED									
		AS SUBMITTED			118,962.61		21,413.27	7,018.79	28,432.06	147,394.67	
	GRAND TOTAL	AS EVALUATED									
		AS SUBMITTED			97,615,249.87		17,219,844.03	5,741,754.70	22,961,598.73	120,576,848.60	

Preparation and Submission:

Prepared by:



ELWICK P. ACUÑA

Engineer II

Maintenance Division

Checked/Submited by:



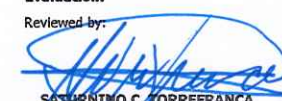
ISIDRA A. ESTANISLAO

Engineer IV

Maintenance Division

Evaluation:

Reviewed by:



SATURNINO C. TORRE FRANCA

District Engineer

Planning & Design Division

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

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
Labor				
a. Construction Foreman	1	64	80.95	5,180.88
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				
Sub-Total for A-2 As Evaluated				
Name and Capacity	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
Equipment				
a. One Bagger Mixer	1	48	172.00	8,256.00
b. Water Truck	1	8	2,450.00	19,600.00
Minor Tools 10% of Labor Cost				4,502.66
Sub-Total for B-1 As Submitted				32,358.66
Equipment				
Sub-Total for B-2 As Evaluated				
Total (A.1+B.1) - As Submitted				77,385.30
Total (A.2+B.2) - As Evaluated				
Output per Hour - As Submitted				
Output per Hour - As Evaluated				
Direct Unit Cost (C.1 ÷D.1) - As Submitted				77,385.30
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	1,863.85	6,523.48
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	309.00	27,810.00
b. Crushed Gravel	cu.m.	21.00	1,863.85	39,140.85
c. Washed Sand	cu.m.	18.00	2,063.85	37,149.30
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	309.00	13,905.00
c. Washed Sand	cu.m.	8.00	2,063.85	16,510.80
d. 10 mm. x 6 m. RSB	kg.	65.00	38.00	2,470.00
e. No. 16 G.I. Tie Wire	kg.	2.50	100.00	250.00
VI Doors and Windows				
a. D-1, Hollow Core Flush Type Swing Door, Complete with Accessories, 0.90 m. x 2.10 m.	set	2.00	1,765.26	3,530.52
b. W-1, Jalousie Window, 1.40 m. x 1.20 m.	set	2.00	924.00	1,848.00
c. W-2, Jalousie Window, 2.80 m. x 1.20 m.	set	2.00	1,848.00	3,696.00

VII Steel Works					
a.	65 mm. x 65 mm. Ang. Jr	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.	Purlins C- 150 x 50 x 3mm.	kg.	18.00	48.00	864.00
e.	16mm dia. Cross bracing	kg.	35.00	38.00	1,330.00
f.	16mm dia. Turn buckle	pc.	20.00	118.00	2,360.00
g.	12mm thk base plate	kg.	25.00	47.00	1,175.00
h.	10mm thk batten plate	kg.	15.00	47.00	705.00
i.	10mm dia. Sag rod	kg.	10.00	38.00	380.00
j.	20mm dia. X 350 mm anchor bolts	pc.	10.00	36.00	360.00
k.	Welding Rod	kg.	15.00	163.00	2,445.00
l.	Primer, Zinc Chromate	gal.	5.00	531.00	2,655.00
VIII Roofing Works					
a.	Pre-painted GI Roofing Sheet long span	sq.m.	55.00	420.00	23,100.00
b.	Pre-painted ridge roll ga 24, 0.60m width	ln.m.	10.00	189.00	1,890.00
c.	Pre-painted flashing, ga. 24	ln.m.	2.00	189.00	378.00
d.	Textscrew 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 tangulile	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					
Equipment					359,442.45
F.2					
Sub-Total for F-2 As Evaluated					
G.1	Direct Unit Cost (E.1+F.1) - As Submitted				436,827.75
G.2	Direct Unit Cost (E.2+F.2) - As Evaluated				
H.1	Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				43,682.77
H.2	Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				
I.1	Contractor's Profit - As Submitted				34,946.22
I.2	Contractor's Profit - As Evaluated				
J.1	Value Added Tax - As Submitted				25,772.84
J.2	Value Added Tax - As Evaluated				
K.1	Total Unit Cost - As Submitted				541,229.58
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.1.1(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.	12.00	3,000.00	36,000.00
b. Water Bill	mo.	12.00	1,500.00	18,000.00
c. LPG (11 kg)	mo.	12.00	1,000.00	12,000.00
Sub-Total for F-1 As Submitted				317,340.00
Equipment				
F.2				
Sub-Total for F-2 As Evaluated				
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				317,340.00
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				25,387.20
I.2				
Contractor's Profit - As Evaluated				-
J.1				
Value Added Tax - As Submitted				17,136.36
J.2				
Value Added Tax - As Evaluated				-
K.1				
Total Unit Cost - As Submitted				359,863.56
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 : 12.00 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	2,880.00	58.61	168,793.20
Sub-Total for A-1 As Submitted				168,793.20
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				
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				168,793.20
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.)
F.1 Materials				
a. Diesel	L	7,200.00	31.00	223,200.00
b. Spare Parts	L.S.	1.00	40,000.00	40,000.00
c. Engine Oil & Lubricants	L.S.	1.00	33,480.00	33,480.00
d. Miscellaneous	L.S.	1.00	30,000.00	30,000.00
Sub-Total for F-1 As Submitted				326,680.00
Equipment				
F.2				
Sub-Total for F-2 As Evaluated				
G.1 Direct Unit Cost (E.1+F.1) - As Submitted				326,680.00
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				16,334.00
J.2 Value Added Tax - As Evaluated				-
K.1 Total Unit Cost - As Submitted				343,014.00
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 : 0.44 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				
A.2				
Name and Capacity	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
Equipment				
B.1 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				
B.2				
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				
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
Materials				
F.1 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				
F.2				
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 :

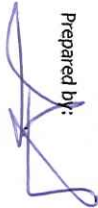
Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
Labor				
A.1				
a. Foreman	1	16	80.95	1,295.22
b. Skilled Laborer	1	16	58.61	937.74
c. Unskilled Laborer	2	16	45.16	1,445.00
Sub-Total for A-1 As Submitted				3,677.96
Labor				
A.2				
Sub-Total for A-2 As Evaluated				
Name and Capacity	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. Tarpaulin (4' x 8')	pc.	4.00	1,000.00	4,000.00
c. Assorted Lumber	bd.ft.	200.00	37.00	7,400.00
d. Assorted CW Nails	kg.	4.00	65.00	260.00
Sub-Total for F-1 As Submitted				14,660.00
Equipment				
F.2				
Sub-Total for F-2 As Evaluated				
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				14,660.00
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				1,466.00
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1				
Contractor's Profit - As Submitted				1,172.80
I.2				
Contractor's Profit - As Evaluated				-
J.1				
Value Added Tax - As Submitted				864.94
J.2				
Value Added Tax - As Evaluated				-
K.1				
Total Unit Cost - As Submitted				18,163.74
K.2				
Total Unit Cost - As Evaluated				-

Prepared by: 
ELWICK P. ACUÑA
 Engineer II

Checked/Reviewed 
ISIDRA A. ESTANISLAO
 Engineer IV

Item No./Description : B.7
 Unit of Measurement : Occupation Safety & Health
 Output per hour-As Submitted : 12.00 month
 Output per hour-As Evaluated :

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
Labor				
A.1				
a. Safety Practorner	1	1440.00	80.95	116,569.80
b. First Alder	1	2880.00	58.61	168,793.20
Sub-T-Total for A-1 As Submitted				285,363.00
Labor				
A.2				
Sub-T-Total for A-2 As Evaluated				
Name and Capacity	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
B.1				
Equipment				
a. Warning Signs and Barricades				60,000.00
Sub-T-Total for B-1 As Submitted				60,000.00
Equipment				
B.2				
Sub-T-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				345,363.00
C.2				
Total (A.2+B.2) - As Evaluated				-
D.1				
Output per Hour - As Submitted				
D.2				
Output per Hour - As Evaluated				
E.1				
Direct Unit Cost (C.1 ÷ D.1) - As Submitted				345,363.00
E.2				
Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
Materials				
a. Rubber Boots (Long w/ Steel Toe, Black)	pair	24.00	400.00	9,600.00
b. Working Gloves (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-T-Total for F-1 As Submitted				26,760.00
Equipment				
F.2				
Sub-T-Total for F-2 As Evaluated				
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				372,123.00
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				29,769.84
I.2				
Contractor's Profit - As Evaluated				
J.1				
Value Added Tax - As Submitted				20,094.64
J.2				
Value Added Tax - As Evaluated				
K.1				
Total Unit Cost - As Submitted				421,987.48
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	48	4,255.38	204,258.00
b. Water Truck	1	48	2,450.00	117,600.00
c. Backhoe	2	48	1,537.00	73,776.00
d. Dump Truck	4	48	1,420.00	68,160.00
e. Payloader	1	48	1,733.00	83,184.00
f. Service Crane	1	48	1,522.00	73,056.00
g. Bulldozer	1	48	3,379.00	162,192.00
h. Roller	1	48	1,846.00	88,608.00
Sub-Total for B-1 As Submitted				870,834.00
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				870,834.00
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				870,834.00
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				-
F.2				
Materials				
Sub-Total for F-2 As Evaluated				
G.1				870,834.00
Direct Unit Cost (E.1+F.1) - As Submitted				
G.2				-
Direct Unit Cost (E.2+F.2) - As Evaluated				
H.1				87,083.40
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				
H.2				-
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				
I.1				69,666.72
Contractor's Profit - As Submitted				
I.2				-
Contractor's Profit - As Evaluated				
J.1				51,379.21
Value Added Tax - As Submitted				
J.2				-
Value Added Tax - As Evaluated				
K.1				1,078,963.33
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

Widening of Permanent Bridges - Trunk Road Bridge (B00556MN) Along Pagadian City - Zamboanga City Road, Licomo, Zamboanga City

Zamboanga City

FORM-POW-2015-01D-00

Item No./Description : 101(1)
 Unit of Measurement : Removal of Structure/Obstructions
 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.1				
a. Foreman	1	80	80.95	6,476.10
b. Skilled Laborer	2	80	58.61	9,377.40
c. Unskilled Laborer	4	80	45.16	14,450.00
Sub-Total for A-1 As Submitted				30,303.50
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. Backhoe w/ Pavement Breaker	1	40	1,998.10	79,924.00
b. Backhoe	1	40	1,537.00	61,480.00
c. Dump Truck (12 cu.yd.)	1	20	1,420.00	28,400.00
Sub-Total for B-1 As Submitted				169,804.00
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				200,107.50
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				200,107.50
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				200,107.50
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				20,010.75
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1				
Contractor's Profit - As Submitted				16,008.60
I.2				
Contractor's Profit - As Evaluated				-
J.1				
Value Added Tax - As Submitted				11,806.34
J.2				
Value Added Tax - As Evaluated				-
K.1				
Total Unit Cost - As Submitted				247,933.19
K.2				
Total Unit Cost - As Evaluated				-

Prepared by:

Checked/Reviewed

ELWICK P. ACUÑA

Engineer II

ISIDRA A. ESTANISLAO

Engineer IV

Widening of Permanent Bridges - T Bridge (B00556MN) Along Pagadian City - Zamboanga City Road, Ucom, Zamboanga City

Zamboanga City

FORM-POW-2015-01D-00

Item No./Description : 101(8)
Removal of Existing Guardrails
Unit of Measurement : 24.00 ln.m.
Output per hour-As Submitted : 20.00
Output per hour-As Evaluated :

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
A.1				
Labor				
a. Foreman	1	1	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.)
B.1				
a. Cargo Truck	1	0.5	1,212.00	606.00
Sub-Total for B-1 As Submitted				606.00
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				777.26
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				38.86
E.2				
Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
F.1				
Materials				
Sub-Total for F-1 As Submitted				-
F.2				
Sub-Total for F-2 As Evaluated				
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				38.86
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				3.89
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1				
Contractor's Profit - As Submitted				3.11
I.2				
Contractor's Profit - As Evaluated				-
J.1				
Value Added Tax - As Submitted				2.29
J.2				
Value Added Tax - As Evaluated				-
K.1				
Total Unit Cost - As Submitted				48.15
K.2				
Total Unit Cost - As Evaluated				-

Prepared by:

Checked/Reviewed

ELWICK P. ACUÑA

Engineer II

ISIDRA A. ESTANISLAO

Engineer IV

Item No./Description : 101(9)
 Unit of Measurement : Removal of Existing Guardrail Posts
 Output per hour-As Submitted : 10.00 each
 Output per hour-As Evaluated : 8.00

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	2	1	45.16	90.31
Sub-Total for A-1 As Submitted				171.26
Labor				
Sub-Total for A-2 As Evaluated				
Equipment				
a. Cargo Truck	1	0.5	1,212.00	606.00
Sub-Total for B-1 As Submitted				606.00
Equipment				
Sub-Total for B-2 As Evaluated				
Total (A.1+B.1) - As Submitted				777.26
Total (A.2+B.2) - As Evaluated				-
Output per Hour - As Submitted				8.00
Output per Hour - As Evaluated				
Direct Unit Cost (C.1 ÷ D.1) - As Submitted				97.16
Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
F.1 Materials				
Sub-Total for F-1 As Submitted				-
Materials				
Sub-Total for F-2 As Evaluated				
Direct Unit Cost (E.1+F.1) - As Submitted				97.16
Direct Unit Cost (E.2+F.2) - As Evaluated				-
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				9.72
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
Contractor's Profit - As Submitted				7.77
Contractor's Profit - As Evaluated				-
Value Added Tax - As Submitted				5.73
Value Added Tax - As Evaluated				-
Total Unit Cost - As Submitted				120.38
Total Unit Cost - As Evaluated				-

Prepared by:

Checked/Reviewed

ELWICK P. ACUÑA


Engineer II

ISIDRA A. ESTANISLAO

Engineer IV

Item No./Description : 101(10)
 Unit of Measurement : Removal of Existing Road Signs
 Output per hour-As Submitted : 6.00 each
 Output per hour-As Evaluated : 5.00

Item No./Description	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. Cargo Truck	1	0.5	1,212.00	606.00
	Sub-Total for B-1 As Submitted				606.00
B.2	Equipment				
	Sub-Total for B-2 As Evaluated				
C.1	Total (A.1+B.1) - As Submitted				777.26
C.2	Total (A.2+B.2) - As Evaluated				-
D.1	Output per Hour - As Submitted				5.00
D.2	Output per Hour - As Evaluated				
E.1	Direct Unit Cost (C.1 ÷ D.1) - As Submitted				155.45
E.2	Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				
F.1	Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
	Materials				
	Sub-Total for F-1 As Submitted				-
	Materials				
F.2	Sub-Total for F-2 As Evaluated				
G.1	Direct Unit Cost (E.1+F.1) - As Submitted				155.45
G.2	Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1	Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				15.55
H.2	Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1	Contractor's Profit - As Submitted				12.44
I.2	Contractor's Profit - As Evaluated				-
J.1	Value Added Tax - As Submitted				9.17
J.2	Value Added Tax - As Evaluated				-
K.1	Total Unit Cost - As Submitted				192.61
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 : 63.04 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/

Checked/Reviewed

ELWICK P. ACUÑA

Engineer II

ISIDRA A. ESTANISLAO

Engineer IV

Item No./Description : 103(2)a
Unit of Measurement : Bridge Excavation, Common Soil
Output per hour-As Submitted : 271.64 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. Skilled Laborer	1	1	58.61	58.61
c. Unskilled Laborer	2	1	45.16	90.31
Sub-Total for A-1 As Submitted				229.87
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				22.99
Sub-Total for B-1 As Submitted				4,399.99
Equipment				
Sub-Total for B-2 As Evaluated				
C.1 Total (A.1+B.1) - As Submitted				4,629.86
C.2 Total (A.2+B.2) - As Evaluated				-
D.1 Output per Hour - As Submitted				20.00
D.2 Output per Hour - As Evaluated				
E.1 Direct Unit Cost (C.1 ÷ D.1) - As Submitted				231.49
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 Direct Unit Cost (E.1+F.1) - As Submitted				231.49
G.2 Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1 Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				23.15
H.2 Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1 Contractor's Profit - As Submitted				18.52
I.2 Contractor's Profit - As Evaluated				-
J.1 Value Added Tax - As Submitted				13.66
J.2 Value Added Tax - As Evaluated				-
K.1 Total Unit Cost - As Submitted				286.82
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(2)b
Unit of Measurement : Bridge Excavation, Soft Rock
Output per hour-As Submitted : 878.40 cu.m.
Output per hour-As Evaluated : 14.00

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	1	1	58.61	58.61
c. Unskilled Laborer	2	1	45.16	90.31
Sub-Total for A-1 As Submitted				229.87
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	0.5	1,537.00	768.50
b. Backhoe w/ Breaker (0.80 cu.m.)	1	0.5	1,998.10	999.05
Minor Tools 10% of Labor				22.99
Sub-Total for B-1 As Submitted				4,630.54
Equipment				
Sub-Total for B-2 As Evaluated				
C.1 Total (A.1+B.1) - As Submitted				4,860.41
C.2 Total (A.2+B.2) - As Evaluated				-
D.1 Output per Hour - As Submitted				14.00
D.2 Output per Hour - As Evaluated				
E.1 Direct Unit Cost (C.1 ÷ D.1) - As Submitted				347.17
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				
Sub-Total for F-2 As Evaluated				
G.1 Direct Unit Cost (E.1+F.1) - As Submitted				347.17
G.2 Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1 Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				34.72
H.2 Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1 Contractor's Profit - As Submitted				27.77
I.2 Contractor's Profit - As Evaluated				-
J.1 Value Added Tax - As Submitted				20.48
J.2 Value Added Tax - As Evaluated				-
K.1 Total Unit Cost - As Submitted				430.15
K.2 Total Unit Cost - As Evaluated				-

Prepared by/

ELWICK P. ACUÑA

Engineer II

Checked/Reviewed

ISIDRA A. ESTANISLAO

Engineer IV

Item No./Description : 104(1)a
 Unit of Measurement : Embankment from Roadway Excavation
 Output per hour-As Submitted : 797.52 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
Spreading and Compaction				
a. Motorized Road Grader (140 hp), G170A	1	1	2,173.00	2,173.00
b. Vibratory Roller (10 mt), SD100C	1	1	1,846.00	1,846.00
c. Water Truck/Pump (16000L)	1	0.25	2,450.00	612.50
Sub-Total for B-1 As Submitted				11,231.66
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1 Total (A.1+B.1) - As Submitted				11,545.07
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				230.90
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				
Sub-Total for F-2 As Evaluated				
G.1 Direct Unit Cost (E.1+F.1) - As Submitted				230.90
G.2 Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1 Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				23.09
H.2 Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1 Contractor's Profit - As Submitted				18.47
I.2 Contractor's Profit - As Evaluated				-
J.1 Value Added Tax - As Submitted				13.62
J.2 Value Added Tax - As Evaluated				-
K.1 Total Unit Cost - As Submitted				286.09
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(2)a
Unit of Measurement : Embankment from Borrow
Output per hour-As Submitted : 4,812.33 cu.m.
Output per hour-As Evaluated : 50.00

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
Labor				
a. Foreman	1	1	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				
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), 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
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. Common Borrow	cu.m.	1.25	388.35	485.44
(with 25% wastage factor)				
Sub-Total for F-1 As Submitted				485.44
Materials				
F.2				
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

Widening of Permanent Bridges - T Bridge (B00556MN) Along Pagadian City - Zamboe city Road, Ucomon, Zamboanga City

Zamboanga City

FORM-POW-2015-01D-00

Item No./Description : 105(1)a
Subgrade Preparation
Unit of Measurement : 1,536.89 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.)
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. 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				
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				
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:

Checked/Reviewed

ELWICK P. ACUÑA

Engineer II

ISIDORA A. ESTANISLAO

Engineer IV

Widening of Permanent Bridges - T **Bridge (B00556MN) Along Pagadian City - Zamboe** **city Road, Ucombo, Zamboanga City**

Zamboanga City

FORM-POW-2015-01D-00

Item No./Description : 200(1)
Aggregate Subbase Course
Unit of Measurement : 1,209.04 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				
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 m), SD100C	1	1	1,846.00	1,846.00
c. Water Truck/Pump (16000 L)	1	0.25	2,450.00	612.50
Sub-Total for B-1 As Submitted				4,631.50
Equipment				
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.)
Materials				
F.1				
a. Aggregate Subbase Course	cu.m.	1.15	1,343.85	1,545.43
(with 15% wastage factor)				
Sub-Total for F-1 As Submitted				1,545.43
Materials				
F.2				
Sub-Total for F-2 As Evaluated				
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				1,641.48
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				164.15
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1				
Contractor's Profit - As Submitted				131.32
I.2				
Contractor's Profit - As Evaluated				-
J.1				
Value Added Tax - As Submitted				96.85
J.2				
Value Added Tax - As Evaluated				-
K.1				
Total Unit Cost - As Submitted				2,033.80
K.2				
Total Unit Cost - As Evaluated				-

Prepared by

Checked/Reviewed

ELWICK P. ACUÑA

Engineer II

ISIDRA A. ESTANISLAO

Engineer IV

Item No./Description : 311(1)B
 Unit of Measurement : Portland Cement Concrete Pavement
 Output per hour-As Submitted : 828.47 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 Screeder (5.5 hp)	1	1	545.00	545.00
f. Water Truck/Pump (16000 L)	1	1	2,450.00	2,450.00
g. Concrete Saw (7.5 hp), 14" Blade dia.	1	1	32.63	32.63
h. Bar Cutter, Single Phase	1	0.1	219.75	21.98
Minor Tools				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
e. Sand	cu.m.	0.0625	2,063.85	170.27
f. Gravel	cu.m.	0.15	1,863.85	279.58
g. Cement	bag	1.43	309.00	441.87
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				945.82
Materials				
F.2				
Sub-Total for F-2 As Evaluated				
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				1,065.98
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				106.60
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1				
Contractor's Profit - As Submitted				85.28
I.2				
Contractor's Profit - As Evaluated				-
J.1				
Value Added Tax - As Submitted				62.89
J.2				
Value Added Tax - As Evaluated				-
K.1				
Total Unit Cost - As Submitted				1,320.75
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 : 2,493.11 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				
Sub-Total for A-2 As Evaluated				
A.2				
Sub-Total for A-2 As Evaluated				
Name and Capacity	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
Equipment				
a. Transit Mixer (5 cu.m.)	4	1	1,318.00	5,272.00
b. Concrete Vibrator	2	1	91.25	182.50
c. Concrete Batching Plant (30 cu.m.)	1	1	1,759.50	1,759.50
d. Payloader (1.50 cu.m.), LX80-2C	1	1	1,733.00	1,733.00
e. Concrete Screeder (5.5 hp)	1	1	545.00	545.00
f. Water Truck/Pump (16000 L)	1	1	2,450.00	2,450.00
g. Concrete Saw (7.5 hp), 14" Blade dia.	1	1	32.63	32.63
h. Bar Cutter, Single Phase	1	0.1	219.75	21.98
Mnor Tools 5% of Labor				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
e. Sand	cu.m.	0.154	2,063.85	317.83
f. Gravel	cu.m.	0.28	1,863.85	521.88
g. Cement	bag	2.66	309.00	821.94
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				1,727.93
Materials				
F.2				
Sub-Total for F-2 As Evaluated				
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				1,952.22
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				195.22
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1				
Contractor's Profit - As Submitted				156.18
I.2				
Contractor's Profit - As Evaluated				-
J.1				
Value Added Tax - As Submitted				115.18
J.2				
Value Added Tax - As Evaluated				-
K.1				
Total Unit Cost - As Submitted				2,418.80
K.2				
Total Unit Cost - As Evaluated				-

Prepared by/

ELWICK P. ACUÑA

Engineer II

Checked/Reviewed

ISIDRA A. ESTANISLAO

Engineer IV

Item No./Description : 400(1)a1
Unit of Measurement : Precast Concrete Piles, furnished (400 mm x 400 mm)
Output per hour-As Submitted : 3,630.00 m.
Output per hour-As Evaluated : 2.50

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	4	1	58.61	234.44
b. Unskilled Laborer	8	1	45.16	361.25
Sub-Total for A-1 As Submitted				676.64
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				
a. Payloader (1.50 cu.m.), LX80-2C	1	0.5	1,733.00	866.50
b. Concrete Vibrator	1	0.1	91.25	9.13
c. Plate Compactor (5 hp), for Casting Bed	1	0.28	123.00	34.44
d. Bar Bender	1	0.28	351.50	98.42
e. Bar Cutter	1	0.28	219.75	61.53
Minor Tools				67.66
Sub-Total for B-1 As Submitted				1,137.68
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				1,814.31
C.2				
Total (A.2+B.2) - As Evaluated				-
D.1				
Output per Hour - As Submitted				2.50
D.2				
Output per Hour - As Evaluated				
E.1				
Direct Unit Cost (C.1 ÷ D.1) - As Submitted				725.73
E.2				
Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
Materials				
a. Ready Mix Concrete, Class "AA" - 27.60 Mpa	cu.m.	0.17	4,250.00	714.00
b. Reinforcing Steel Bar	kg.	40.45	38.00	1,537.10
c. #16 G.I. Tie Wire (2% of RSB)	kg.	0.809	100.00	80.90
d. Coco Lumber	bd.ft.	15.333	13.00	199.33
F.1				
e. Marine Plywood, 1/2" x 4' x 8' - 4 uses	pc.	0.268	1,100.00	73.70
f. Assorted GWN (1 kg./100 bd.ft. of Lumber)	kg.	0.163	65.00	10.60
Casting Bed				
a. Ready Mix Concrete, Class "B"	cu.m.	0.03	4,200.00	126.00
b. Coco Lumber	bd.ft.	1.00	37.00	37.00
c. Base Course	cu.m.	0.06	1,343.85	80.63
Sub-Total for F-1 As Submitted				2,859.26
Materials				
F.2				
Sub-Total for F-2 As Evaluated				
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				3,584.98
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				358.50
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1				
Contractor's Profit - As Submitted				286.80
I.2				
Contractor's Profit - As Evaluated				-
J.1				
Value Added Tax - As Submitted				211.51
J.2				
Value Added Tax - As Evaluated				-
K.1				
Total Unit Cost - As Submitted				4,441.79
K.2				
Total Unit Cost - As Evaluated				-

Prepared by:

ELWICK P. ACUÑA

Engineer II


Checked/Reviewed

ISIDRA A. ESTANISLAO

Engineer IV

Item No./Description : 400(6)
 Unit of Measurement : Structural Steel Sheet Piles, furnished
 Output per hour-As Submitted : 3,408.00 In.m.
 Output per hour-As Evaluated : 72.00

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	2	1	45.16	90.31
Sub-Total for A-1 As Submitted				288.48
Labor				
A.2				
Sub-Total for A-2 As Evaluated				
B.1				
Equipment				
a. Truck Mounted Crane (41 - 45 m ³)	1	1	2,606.00	2,606.00
Minor Tools 10% of Labor Cost				28.85
Sub-Total for B-1 As Submitted				2,634.85
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				2,923.33
C.2				
Total (A.2+B.2) - As Evaluated				-
D.1				
Output per Hour - As Submitted				72.00
D.2				
Output per Hour - As Evaluated				40.60
E.1				
Direct Unit Cost (C.1 ÷ D.1) - As Submitted				
E.2				
Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				
F.1				
Materials				
a. Steel Sheet Pile KSP II (delivered at site)	kg.	65.20	50.00	3,260.00
Miscellaneous 2% of Materials Cost				65.20
Sub-Total for F-1 As Submitted				3,325.20
Materials				
F.2				
Sub-Total for F-2 As Evaluated				
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				3,365.80
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				336.58
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1				
Contractor's Profit - As Submitted				269.26
I.2				
Contractor's Profit - As Evaluated				-
J.1				
Value Added Tax - As Submitted				198.58
J.2				
Value Added Tax - As Evaluated				-
K.1				
Total Unit Cost - As Submitted				4,170.23
K.2				
Total Unit Cost - As Evaluated				-

Prepared by:

ELWICK P. ACUÑA
 Engineer II

Checked/Reviewed

ISIDRA A. ESTANISLAO
 Engineer IV

Item No./Description : 400(12)
 Unit of Measurement : Structural Steel Sheet Piles, driven
 Output per hour-As Submitted : 2,886.00 In.m.
 Output per hour-As Evaluated : 10.00

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	6	1	58.61	351.65
b. Unskilled Laborer	6	1	45.16	270.94
Sub-Total for A-1 As Submitted				703.54
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. Truck Mounted Crane (41 - 45 mt)	1	1	2,606.00	2,606.00
b. Vibro Hammer (272.22 hp)	1	1	3,069.00	3,069.00
c. Generator Set (700 kW)	1	1	2,147.27	2,147.27
B.1				
d. Welding Machine (500 A), Electric Driven	1	1	391.00	391.00
e. Cutting Outfit	1	0.5	45.45	22.73
Minor Tools				70.35
Sub-Total for B-1 As Submitted				8,306.35
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				9,009.89
C.2				
Total (A.2+B.2) - As Evaluated				-
D.1				
Output per Hour - As Submitted				10.00
D.2				
Output per Hour - As Evaluated				900.99
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. Welding Rod (1 kg./2000 kg. Steel)	kg.	0.024	163.00	3.91
b. Oxy/Acetylene (1 set/5000 kg. Steel)	set	0.0096	2,500.00	24.00
F.1				
c. Coco Log - 2 uses	m.	0.18	350.00	31.50
d. Coco Lumber	bd.ft.	1.55	13.00	20.15
e. Assorted CMN (1 kg./100 bd.ft. Of Lumber)	kg.	0.02	65.00	1.30
Miscellaneous				1.62
Sub-Total for F-1 As Submitted				82.48
Materials				
F.2				
Sub-Total for F-2 As Evaluated				
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				983.47
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				98.35
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1				
Contractor's Profit - As Submitted				78.68
I.2				
Contractor's Profit - As Evaluated				-
J.1				
Value Added Tax - As Submitted				58.02
J.2				
Value Added Tax - As Evaluated				-
K.1				
Total Unit Cost - As Submitted				1,218.52
K.2				
Total Unit Cost - As Evaluated				-

Prepared by:

Checked/Reviewed


 ELWICK P. ACUÑA
 Engineer II


 ISIDRA A. ESTANISLAO
 Engineer IV

Item No./Description : 400(14)
Unit of Measurement : Precast Concrete Piles, driven (soft strata)
Output per hour-As Submitted : 3,509.00 m.
Output per hour-As Evaluated : 2.40

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	6	1	58.61	351.65
b. Unskilled Laborer	6	1	45.16	270.94
Sub-Total for A-1 As Submitted				703.54
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. Truck Mounted Crane (41 - 45 mt)	1	0.53	2,606.00	1,381.18
b. Diesel Hammer (K25 or equivalent)	1	0.27	1,286.00	347.22
c. Drop Hammer	1	0.13	200.00	26.00
d. Cutting Outfit	1	0.20	45.45	9.09
e. Jack Hammer	2	0.20	150.00	60.00
f. Air Compressor (356 - 450 cfm)	1	0.20	965.00	193.00
Minor Tools 10% of Labor Cost				70.35
Sub-Total for B-1 As Submitted				2,086.84
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				2,790.39
C.2				
Total (A.2+B.2) - As Evaluated				-
D.1				
Output per Hour - As Submitted				2.40
D.2				
Output per Hour - As Evaluated				
E.1				
Direct Unit Cost (C.1 ÷ D.1) - As Submitted				1,162.66
E.2				
Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
Materials				
a. Coco Logs - 2 uses	m.	1.00	350.00	175.00
b. Coco Lumber (Falsework)	bd.ft.	16.00	13.00	208.00
c. Nail/Spike (1 kg./100 bd.ft. Of Lumber)	kg.	0.16	70.00	11.20
d. Oxy/Acetylene	set	0.01	2,500.00	25.00
Miscellaneous 2% of Material Cost				8.38
Sub-Total for F-1 As Submitted				427.58
Materials				
F.2				
Sub-Total for F-2 As Evaluated				
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				1,590.24
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				159.02
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1				
Contractor's Profit - As Submitted				127.22
I.2				
Contractor's Profit - As Evaluated				-
J.1				
Value Added Tax - As Submitted				93.82
J.2				
Value Added Tax - As Evaluated				-
K.1				
Total Unit Cost - As Submitted				1,970.31
K.2				
Total Unit Cost - As Evaluated				-

Prepared by:

Checked/Reviewed


ELWICK P. ACUÑA
Engineer II


ISIDRA A. ESTANISLAO
Engineer IV

Item No./Description : 400(16)a
 Test Piles, furnished and driven
 Unit of Measurement : 150.00 m.
 Output per hour-As Submitted : 2.40
 Output per hour-As Evaluated :

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
Labor				
A.1				
a. Foreman	1	1	80.95	80.95
b. Skilled Laborer	6	1	58.61	351.65
b. Unskilled Laborer	6	1	45.16	270.94
Sub-Total for A-1 As Submitted				703.54
Labor				
A.2				
Sub-Total for A-2 As Evaluated				
Equipment				
Name and Capacity	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
B.1				
a. Truck Mounted Crane (41 - 45 mt)	1	0.53	2,606.00	1,381.18
b. Diesel Hammer (K25 or equivalent)	1	0.27	1,286.00	347.22
c. Drop Hammer	1	0.13	200.00	26.00
d. Cutting Outfit	1	0.20	45.45	9.09
e. Jack Hammer	2	0.20	150.00	60.00
f. Air Compressor (356 - 450 cfm)	1	0.20	965.00	193.00
Minor Tools 10% of Labor Cost				70.35
Sub-Total for B-1 As Submitted				2,086.84
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				2,790.39
C.2				
Total (A.2+B.2) - As Evaluated				-
D.1				
Output per Hour - As Submitted				2.40
D.2				
Output per Hour - As Evaluated				
E.1				
Direct Unit Cost (C.1 ÷ D.1) - As Submitted				1,162.66
E.2				
Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				
Materials				
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
F.1				
a. Coco Logs - 2 uses	m.	2.00	350.00	350.00
b. Coco Lumber (Falsework)	bd.ft.	16.00	13.00	208.00
c. Nail/Spike (1 kg./100 bd.ft. Of Lumber)	kg.	0.16	70.00	11.20
d. Oxy/Acetylene	set	0.01	2,500.00	25.00
e. Fabricated RC pile (delivered at site)	m.	1.00	2,520.00	2,520.00
Miscellaneous 2% of Material Cost				11.88
Sub-Total for F-1 As Submitted				3,126.08
Materials				
F.2				
Sub-Total for F-2 As Evaluated				
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				4,288.74
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				428.87
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1				
Contractor's Profit - As Submitted				343.10
I.2				
Contractor's Profit - As Evaluated				-
J.1				
Value Added Tax - As Submitted				253.04
J.2				
Value Added Tax - As Evaluated				-
K.1				
Total Unit Cost - As Submitted				5,313.75
K.2				
Total Unit Cost - As Evaluated				-

Prepared by:

Checked/Reviewed

ELWICK P. ACUÑA

Engineer II

ISIDORA A. ESTANISLAO

Engineer IV

Item No./Description : 401(2)a
 Unit of Measurement : Concrete Railing
 Output per hour-As Submitted : 240.60 m.
 Output per hour-As Evaluated : 0.88

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
b. Unskilled Laborer	8	1	45.16	361.25
Sub-Total for A-1 As Submitted				676.64
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				
a. Concrete Vibrator	1	0.10	91.25	9.13
b. Bar Cutter	1	0.10	219.75	21.98
c. Bar Bender	1	0.10	351.50	35.15
d. Cutting Outfit	1	0.10	45.45	4.55
Minor Tools 10% of Labor Cost				67.66
Sub-Total for B-1 As Submitted				138.46
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1 Total (A.1+B.1) - As Submitted				815.09
C.2 Total (A.2+B.2) - As Evaluated				-
D.1 Output per Hour - As Submitted				0.88
D.2 Output per Hour - As Evaluated				
E.1 Direct Unit Cost (C.1 ÷ D.1) - As Submitted				926.24
E.2 Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
Materials				
a. Ready Mix Concrete	cu.m.	0.117	4,250.00	497.25
b. Reinforcing Steel Bar	kg.	30.434	38.00	1,156.49
c. Plywood 1/2" x 4' x 8' - 3 uses	pc.	0.725	820.00	198.17
d. Coco Lumber	bd.ft.	20.60	13.00	267.80
e. Assorted CWN (1 kg./100 bd.ft. Of Lumber)	kg.	0.206	65.00	13.39
f. Tie Wire (2% of RSB)	kg.	0.609	100.00	60.90
g. Oxy/Acetylene (1 kg./5000 kg. Of Steel)	kg.	0.006	2,520.00	15.12
Miscellaneous 2% of Material Cost				44.18
Sub-Total for F-1 As Submitted				2,253.30
Materials				
F.2				
Sub-Total for F-2 As Evaluated				
G.1 Direct Unit Cost (E.1+F.1) - As Submitted				3,179.55
G.2 Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1 Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				317.95
H.2 Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1 Contractor's Profit - As Submitted				254.36
I.2 Contractor's Profit - As Evaluated				-
J.1 Value Added Tax - As Submitted				187.59
J.2 Value Added Tax - As Evaluated				-
K.1 Total Unit Cost - As Submitted				3,939.46
K.2 Total Unit Cost - As Evaluated				-

Prepared by:

ELWICK P. ACUÑA

Engineer II

Checked/Reviewed

ISIDRA A. ESTANISLAO

Engineer IV

Item No./Description : 402(1)
 Unit of Measurement : Timber Structure
 Output per hour-As Submitted : 18.00 span
 Output per hour-As Evaluated : 0.125


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	6	1	58.61	351.65
b. Unskilled Laborer	6	1	45.16	270.94
Sub-Total for A-1 As Submitted				703.54
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. Truck Mounted Crane	1	1.00	2,606.00	2,606.00
b. Drop Hammer	1	0.50	200.00	100.00
c. Cargo Truck	2	0.50	1,212.00	1,212.00
Minor Tools 10% of Labor Cost				70.35
Sub-Total for B-1 As Submitted				3,988.35
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				4,691.90
C.2				
Total (A.2+B.2) - As Evaluated				-
D.1				
Output per Hour - As Submitted				0.13
D.2				
Output per Hour - As Evaluated				37,535.16
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. Coco Trunks	pc.	48.89	1,000.00	48,888.89
b. 5" x 10" x 12' Coco Lumber	pc.	208.333	650.00	135,416.67
c. 4" x 10" x 12' Coco Lumber	pc.	53.33	520.00	9,244.44
d. 25 mm dia. X 40 mm dia. Mach. Bolts	pc.	10.00	25.00	83.33
e. 25 mm dia. X 500 mm. Steel Bars	pc.	96.00	75.00	7,200.00
Sub-Total for F-1 As Submitted				200,833.33
Materials				
F.2				
Sub-Total for F-2 As Evaluated				
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				238,368.50
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				23,836.85
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1				
Contractor's Profit - As Submitted				19,069.48
I.2				
Contractor's Profit - As Evaluated				-
J.1				
Value Added Tax - As Submitted				14,063.74
J.2				
Value Added Tax - As Evaluated				-
K.1				
Total Unit Cost - As Submitted				295,338.57
K.2				
Total Unit Cost - As Evaluated				-

Prepared by:

Checked/Reviewed


ELWICK P. ACUÑA

Engineer II


ISIDRA A. ESTANISLAO

Engineer IV

Item No./Description : 404(1)a
Unit of Measurement : Reinforcing Steel, Grade 40
Output per hour-As Submitted : 9,264.30 kg.
Output per hour-As Evaluated : 180.00

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	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. Service Crane (21 - 25 mt.)	1	0.15	1,522.00	228.30
b. Cargo Truck (9 - 10 mt.)	1	0.15	1,212.00	181.80
c. Bar Cutter	1	0.50	219.75	109.88
d. Bar Bender	1	0.50	351.50	175.75
Sub-Total for B-1 As Submitted				695.73
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				1,255.14
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				6.97
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. Tie Wire (2% of RSB)	kg.	0.021	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				48.97
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				4.90
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1				
Contractor's Profit - As Submitted				3.92
I.2				
Contractor's Profit - As Evaluated				-
J.1				
Value Added Tax - As Submitted				2.89
J.2				
Value Added Tax - As Evaluated				-
K.1				
Total Unit Cost - As Submitted				60.68
K.2				
Total Unit Cost - As Evaluated				-

Prepared by:


ELWICK P. ACUÑA
Engineer II

Checked/Reviewed


ISIDRA A. ESTANISLAO
Engineer IV

Item No./Description : 404(1)b
Unit of Measurement : Reinforcing Steel, Grade 60
Output per hour-As Submitted : 161,031.40 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				
a. Service Crane (21 - 25 mt.)	1	0.15	1,522.00	228.30
b. Cargo Truck (9 - 10 mt.)	1	0.15	1,212.00	181.80
c. Bar Cutter	1	0.50	219.75	109.88
d. Bar Bender	1	0.50	351.50	175.75
Sub-Total for B-1 As Submitted				695.73
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				1,255.14
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				6.97
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.)
Materials				
F.1				
a. Tie Wire (2% of RSB)	kg.	0.021	100.00	2.10
b. Reinforcing Steel Bar (with 5% wastage)	kg.	1.05	40.00	42.00
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				51.07
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				5.11
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1				
Contractor's Profit - As Submitted				4.09
I.2				
Contractor's Profit - As Evaluated				-
J.1				
Value Added Tax - As Submitted				3.01
J.2				
Value Added Tax - As Evaluated				-
K.1				
Total Unit Cost - As Submitted				63.28
K.2				
Total Unit Cost - As Evaluated				-

Prepared by:

Checked/Reviewed


ELWICK P. ACUÑA

Engineer II


ISIDRA A. ESTANISLAO

Engineer IV

Item No./Description : 405(1)b2
Unit of Measurement : Structural Concrete, Class "A"
Output per hour-As Submitted : 1,096.05 cu.m.
Output per hour-As Evaluated : 10.00

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. Foreman	1	1	80.95	80.95
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				1,353.27
Labor				
Sub-Total for A-2 As Evaluated				
A.2				
Sub-Total for A-2 As Evaluated				
Name and Capacity	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
Equipment				
a. Transit Mixer (5 cu.m.)	2	1	1,318.00	2,636.00
b. Concrete Vibrator	2	1	91.25	182.50
c. Batching Plant (30 cu.m.)	1	0.5	1,759.50	879.75
d. Payloader (1.50 cu.m.), LX80-2C	1	0.5	1,733.00	866.50
e. Water Truck/Pump (16000 L)	1	0.25	2,450.00	612.50
f. Crawler Crane w/ Bucket (35 - 40 mt.)	1	0.5	2,282.40	1,141.20
Sub-Total for B-1 As Submitted				6,318.45
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1 Total (A.1+B.1) - As Submitted				7,671.72
C.2 Total (A.2+B.2) - As Evaluated				-
D.1 Output per Hour - As Submitted				10.00
D.2 Output per Hour - As Evaluated				
E.1 Direct Unit Cost (C.1 ÷ D.1) - As Submitted				767.17
E.2 Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
Materials				
a. Lumber, Coco	bd.ft.	100.00	13.00	1,300.00
b. Ordinary Plywood (1/2" x 4' x 8')	pc.	1.50	820.00	1,230.00
c. Assorted GWN	kg.	1.00	65.00	65.00
d. Cement	bag	10.50	309.00	3,244.50
e. Sand	cu.m.	0.50	2,063.85	1,031.93
f. Gravel	cu.m.	1.00	1,863.85	1,863.85
f. Curing Compound	L.	1.00	35.00	35.00
Sub-Total for F-1 As Submitted				8,770.28
Materials				
F.2				
Sub-Total for F-2 As Evaluated				
G.1 Direct Unit Cost (E.1+F.1) - As Submitted				9,537.45
G.2 Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1 Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				953.74
H.2 Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1 Contractor's Profit - As Submitted				763.00
I.2 Contractor's Profit - As Evaluated				-
J.1 Value Added Tax - As Submitted				562.71
J.2 Value Added Tax - As Evaluated				-
K.1 Total Unit Cost - As Submitted				11,816.90
K.2 Total Unit Cost - As Evaluated				-

Prepared by:

Checked/Reviewed


ELWICK P. ACUÑA
Engineer II


ISIDRA A. ESTANISLAO
Engineer IV

Item No./Description : 406(1)B
 Unit of Measurement : Prestressed Structural Concrete Member, Type IV-B
 Output per hour-As Submitted : 16.00 each
 Output per hour-As Evaluated : 1.00

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
Labor				
a. Foreman	1	96	80.95	7,771.32
b. Skilled Laborer	4	96	58.61	22,505.76
c. Unskilled Laborer	8	96	45.16	34,680.00
Sub-Total for A-1 As Submitted				64,957.08
Labor				
A.2				
Sub-Total for A-2 As Evaluated				
Equipment				
a. Truck Mounted Crane with Bucket (41 - 45 mt.)	1	32.00	3,127.20	100,070.40
b. Payloader (1.50 cu.m.), LX80-2C	1	7.00	1,733.00	12,131.00
c. Stressing (Jack) Machine	1	9.00	2,500.00	22,500.00
d. Bar Cutter	1	14.00	219.75	3,076.50
e. Bar Bender	1	14.00	351.50	4,921.00
f. Cutting Outfit	1	7.00	45.45	318.15
g. Concrete Vibrator	2	5.00	91.25	912.50
h. Plate Compactor (5 hp)	2	7.00	123.00	1,722.00
i. Grouting Machine, Air Driven	1	2.00	866.25	1,732.50
j. Welding Machine (500 A), Electric Driven	1	7.00	391.00	2,737.00
Minor Tools 10% of Labor				6,495.71
Sub-Total for B-1 As Submitted				156,616.76
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				221,573.84
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 (G.1 + D.1) - As Submitted				221,573.84
E.2				
Direct Unit Cost (C.2 + D.2) - As Evaluated				
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
F.1				
Materials				
a. Prestressed Concrete AASHTO Girder Type IVB	In.m.	30.00	24,000.00	720,000.00
Sub-Total for F-1 As Submitted				720,000.00
Materials				
F.2				
Sub-Total for F-2 As Evaluated				
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				941,573.84
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				94,157.38
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1				
Contractor's Profit - As Submitted				75,325.91
I.2				
Contractor's Profit - As Evaluated				-
J.1				
Value Added Tax - As Submitted				55,552.86
J.2				
Value Added Tax - As Evaluated				-
K.1				
Total Unit Cost - As Submitted				1,166,609.99
K.2				
Total Unit Cost - As Evaluated				-

Prepared by:


ELWICK P. ACUÑA
 Engineer II

Checked/Reviewed

ISIDRA A. ESTANISLAO
 Engineer IV

Item No./Description : 407(8)
 Unit of Measurement : Lean Concrete
 Output per hour-As Submitted : 23.73 cu.m.
 Output per hour-As Evaluated : 1.40

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
Labor				
A.1 Foreman	1	1	80.95	80.95
b. Skilled Laborer	1	1	58.61	58.61
c. Unskilled Laborer	2	1	45.16	90.31
Sub-Total for A-1 As Submitted				229.87
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	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
Sub-Total for B-1 As Submitted				692.45
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1 Total (A.1+B.1) - As Submitted				922.32
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				658.80
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	9.50	309.00	2,935.50
b. Sand	cu.m.	0.50	2,063.85	1,031.93
c. Gravel	cu.m.	1.00	1,863.85	1,863.85
Sub-Total for F-1 As Submitted				5,831.28
Materials				
F.2				
Sub-Total for F-2 As Evaluated				
G.1 Direct Unit Cost (E.1+F.1) - As Submitted				6,490.08
G.2 Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1 Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				649.01
H.2 Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1 Contractor's Profit - As Submitted				519.21
I.2 Contractor's Profit - As Evaluated				-
J.1 Value Added Tax - As Submitted				382.91
J.2 Value Added Tax - As Evaluated				-
K.1 Total Unit Cost - As Submitted				8,041.21
K.2 Total Unit Cost - As Evaluated				-

Prepared by: 
ELWICK P. ACUÑA
 Engineer II

Checked/Reviewed: 
ISIDRA A. ESTANISLAO
 Engineer IV

Item No./Description : 412(1)
Unit of Measurement : Elastomeric Bearing Pad
Output per hour-As Submitted : 32.00 each
Output per hour-As Evaluated : 1.00

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	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.)
B.1				
Equipment				
a. Wood/Steel Ladder	1	1	100.00	100.00
Sub-Total for B-1 As Submitted				100.00
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				271.26
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				271.26
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. Elastomeric Bearing Pad	each	1.00	16,150.00	16,150.00
Miscellaneous 10% of Labor				17.13
Sub-Total for F-1 As Submitted				16,167.13
Materials				
F.2				
Sub-Total for F-2 As Evaluated				
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				16,438.39
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				1,643.84
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1				
Contractor's Profit - As Submitted				1,315.07
I.2				
Contractor's Profit - As Evaluated				-
J.1				
Value Added Tax - As Submitted				969.87
J.2				
Value Added Tax - As Evaluated				-
K.1				
Total Unit Cost - As Submitted				20,367.17
K.2				
Total Unit Cost - As Evaluated				-

Prepared by:

Checked/Reviewed

ELWICK P. ACUÑA

Engineer II

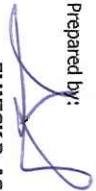
ISIDRA A. ESTANISLAO

Engineer IV

Item No./Description : 413(3)b
Unit of Measurement : Premolded Expansion Joint Filler with Sealant
Output per hour-As Submitted : 9.72 cu.m.
Output per hour-As Evaluated : 25.00

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	1	1	58.61	58.61
b. Unskilled Laborer	2	1	45.16	90.31
Sub-Total for A-1 As Submitted				229.87
Labor				
A.2				
Sub-Total for A-2 As Evaluated				
B.1				
Equipment	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
Minor Tools 10% of Labor Cost				22.99
Sub-Total for B-1 As Submitted				22.99
B.2				
Sub-Total for B-2 As Evaluated				
C.1 Total (A.1+B.1) - As Submitted				252.86
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				10.11
E.2 Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				
F.1				
Materials	Unit	Quantity	Unit Cost	Amount (Php.)
a. Joint Filler	each	1.00	500.00	500.00
Sub-Total for F-1 As Submitted				500.00
F.2				
Sub-Total for F-2 As Evaluated				
G.1 Direct Unit Cost (E.1+F.1) - As Submitted				510.11
G.2 Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1 Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				51.01
H.2 Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1 Contractor's Profit - As Submitted				40.81
I.2 Contractor's Profit - As Evaluated				-
J.1 Value Added Tax - As Submitted				30.10
J.2 Value Added Tax - As Evaluated				-
K.1 Total Unit Cost - As Submitted				632.03
K.2 Total Unit Cost - As Evaluated				-

Prepared by:


ELWICK P. ACUÑA
Engineer II

Checked/Reviewed


ISIDRA A. ESTANISLAO
Engineer IV

413(7)a1
Expansion Dam for Bridges (Steel)
3.00 set
0.01

a. Structural Steel - MS Plate	kg.	899.22	47.00	42,263.34
b. Structural Steel - Angular Bar	kg.	446.51	48.00	21,432.48
c. 20 mm Plain (Rod) Bar	kg.	25.44	40.00	1,017.60
d. Welding Rod	kg.	0.75	163.00	122.25
e. Oxy/Acetylene	set	0.50	2,500.00	1,250.00
Miscellaneous	5% of Material Cost			3,304.28

Checked/Reviewed


ISIDRA A. ESTANISLAO
Engineer IV

1.00 L.S.

5,754,197.44

Checked/Reviewed

ELWICK P. ACUÑA

ISIDRA A. ESTANISLAO

Item No./Description : 505(2)a
 Unit of Measurement : Grouted Riprap, Class "A"
 Output per hour-As Submitted : 849.38 cu.m.
 Output per hour-As Evaluated : 1.25

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	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	309.00	927.00
b. Sand	cu.m.	0.25	2,063.85	515.96
c. Gravel	cu.m.	0.15	1,863.85	279.58
d. Weep Holes (PVC)	m.	0.30	536.00	160.80
e. Filter Cloth	sq.m.	0.015	160.00	2.40
f. Boulder	cu.m.	1.05	1,763.85	1,852.04
Miscellaneous 1% of Material Cost				37.38
Sub-Total for F-1 As Submitted				3,775.16
Materials				
F.2				
Sub-Total for F-2 As Evaluated				
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				4,503.05
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				450.30
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1				
Contractor's Profit - As Submitted				360.24
I.2				
Contractor's Profit - As Evaluated				-
J.1				
Value Added Tax - As Submitted				265.68
J.2				
Value Added Tax - As Evaluated				-
K.1				
Total Unit Cost - As Submitted				5,579.28
K.2				
Total Unit Cost - As Evaluated				-

Prepared by

Checked/Reviewed

ELWICK P. ACUÑA

Engineer II

ISIDRA A. ESTANISLAO

Engineer IV

Item No./Description : 508(1)
 Hand Laid Rock Embankment
 Unit of Measurement : 186.51 cu.m.
 Output per hour-As Submitted : 3.125
 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. 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				
Sub-Total for A-2 As Evaluated				
A.2				
Sub-Total for A-2 As Evaluated				
Name and Capacity	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
Equipment				
Minor Tools 10% of Labor				55.94
Sub-Total for B-1 As Submitted				55.94
Equipment				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				615.36
C.2				
Total (A.2+B.2) - As Evaluated				-
D.1				
Output per Hour - As Submitted				3.13
D.2				
Output per Hour - As Evaluated				
E.1				
Direct Unit Cost (C.1 ÷ D.1) - As Submitted				196.92
E.2				
Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
F.1				
Materials				
a. Boulder	cu.m.	1.05	1,763.85	1,852.04
Sub-Total for F-1 As Submitted				1,852.04
Materials				
F.2				
Sub-Total for F-2 As Evaluated				
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				2,048.96
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				204.90
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1				
Contractor's Profit - As Submitted				163.92
I.2				
Contractor's Profit - As Evaluated				-
J.1				
Value Added Tax - As Submitted				120.89
J.2				
Value Added Tax - As Evaluated				-
K.1				
Total Unit Cost - As Submitted				2,538.66
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 : 88.00 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
F.1				
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 : 66.00 sq.m.
 Output per hour-As Evaluated : 25.00

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
Labor				
a. 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				
Sub-Total for A-2 As Evaluated				
Name and Capacity	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
Equipment				
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				
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 (Yellow)	bag	0.33	1,800.00	585.00
b. Glass Beads	bag	0.03	2,500.00	82.50
c. Primer	L	0.12	175.00	21.00
d. LPG (50 kg.)	cyl.	0.00	3,450.00	13.80
e. LPG (12 kg.)	cyl.	0.00	828.00	1.66
f. Calsumine	kg.	0.13	100.00	12.50
Miscellaneous 5% of Material Cost				35.82
Sub-Total for F-1 As Submitted				752.28
Equipment				
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. ESTANISLAO
 Engineer IV

[illegible]

ELWICK P. ACUÑA
Engineer II

and by: 
SATURNINO C. TORREBRANCA
Chief, Planning and Design Division

Caymombao D. Dia
CAYMOMBAO D. DIA
Regional Director

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	1,184.71
Portland Cement Concrete Pavement	6,631.67
Structural Concrete, Class "A"	11,508.53
Lean Concrete	225.44
Grouted Riprap, Class "A"	2,548.14
T O T A L	22,233.48

Quantity = **22,233.48** Bags

Delivery Charge = P 0.120 / bag / km.

S I T E	HAULING DISTANCE
Zamboanga City DEO	60.00
Batching plant	

*Average hauling distance from Source to assumed Stockpiling area :
say 60.00 km.

$$\text{Delivery Charge} = P \frac{0.120}{7.20} \times 60.00 = P \frac{7.20}{7.20} / \text{bag}$$

*Delivery Truck : 22,233.48 bags. (hauling works)
Assume (10) laborers can unload 500.00 bags of Cement.
or 20,000.00 kgs., (capacity per haul)
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	= $\frac{60.00}{30.00} \times \frac{60}{60} = 120.00 \text{ mins.}$
Unloaded running	= $\frac{60.00}{40.00} \times \frac{60}{60} = 90.00 \text{ mins.}$
Loading and Unloading allowance for delay/traffic	: 45.00 mins. 3.00 mins. 8.00 cum.
Capacity of Dumptruck	: 500.00 bags
Total Cycle time	: 258.00 mins.
No. of trips for Dumptruck per day	= $\frac{8.0}{258.00} \times \frac{60.00}{60.00} = 1.86 \text{ say } 1.86 \text{ trip}$
Dumptruck daily output	= 500 x 1.86 = 930.23 cum.
Using (3) Dumptrucks	= 3 x 930.23 = 2,790.70 cum.

- No. of days for Delivery Truck = $\frac{22,233.48}{2,790.70} = 7.97 \text{ say } 7.97 \text{ days}$
- No. of days for Labor, for unloading = complimentary to D. Truck days = 7.97 days

DELIVERY COST :

22,233.48 - Bags, Portland Cement	@ P 7.20 / bag	= P
Sub - Total		P 160,081.09

LABOR :

1 - Foreman	@ P 611.92 /day	x 7.97 days = P 4,875.17
10 - Laborers, unloading	@ P 342.24 /day	x 7.97 days = P 27,266.26
Sub - Total		P 32,141.42

MATERIALS :

22,233.48 - Bags, Portland Cement	@ P 300.00 / bag	= P
(Pick-Up Price)	Sub - Total	P 6,670,045.41

Estimated Quantity	22,233.48 Bags
Unit Cost	P 308.65 / Bag, say P 309.00 / Bag
Grand Total	P 6,862,267.92
Delivery Cost	P 160,081.09
Labor	P 32,141.42
Materials	P 6,670,045.41

UNIT COST ANALYSIS FOR HAULING COST FOR ALL AGGREGATES

Hauling Cost from the Quarry to Batching 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/m ³
Unit weight of Coarse Aggregates	:	1,534.00	kg/m ³
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	=	$\frac{5.00}{30.00} \times 60$	= 10.00 mins.
Unloaded running	=	$\frac{5.00}{40.00} \times 60$	= 7.50 mins.
Loading and Unloading allowance for delay/traffic	:	5.00 mins.	
Capacity of Dumptruck	:	3.00 mins.	
Total Cycle time	:	10.00 cu.m.	
No. of trips for Dumptruck per day	=	$\frac{8}{25.50} \times 60.00$	= 18.82 say 18.82 trips
Dumptruck daily output	=	10 x 18.82	= 188.24 cu.m.
Using { 5 } Dumptrucks	=	5 x 188.24	= 941.18 cu.m.

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

EQUIPMENT USED : (2009 ACEL RATES)

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

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

Grand Total	P	60,350.00
Equipment	P	60,350.00
Labor	P	
Materials	P	

Hauling Distance	Unit Cost per cu.m./km.	Hauling Cost per cu.m.	Unit Price	Unit Cost per cu.m.
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Cost of Fine Aggregates: 55.00 x 12.07 = 663.85 + 1,400.00 = **2,063.85**

Cost of Coarse Aggregates: 55.00 x 12.07 = 663.85 + 1,200.00 = **1,863.85**

Cost of Item 200 Materials: 55.00 x 12.07 = 663.85 + 680.00 = **1,343.85**

Cost of Item 201 Materials: 55.00 x 12.07 = 663.85 + 680.00 = **1,343.85**

Cost of Item 300 Materials: 55.00 x 12.07 = 663.85 + 698.00 = **1,361.85**

Cost of Boulders: 55.00 x 12.07 = 663.85 + 1,100.00 = **1,763.85**

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