



Replacement of Permanent Weak Bridges - **Sum Bridge (BR01588MN)** along Piñan - Mutia Road
Zamboanga del Norte

FORM POW-2015-01A-00

ITEMIZED BREAKDOWN

ITEM NO.	DESCRIPTION	QUANTITY		UNIT	DIRECT COST				TOTAL UNIT COST		% DIRECT COST
					TOTAL		UNIT COST		TOTAL		
		AS SUBMITTED	AS EVALUATED		AS SUBMITTED	AS EVALUATED	AS SUBMITTED	AS EVALUATED	AS SUBMITTED	AS EVALUATED	AS EVALUATED
PART A	Facilities for the Engineers										
A.1.1 (3)	Const. of Field Office for the Enigneer	1.00		ls	487,015.63		487,015.63		603,412.37		0.36%
A.1.1 (11)	Prov. Of Furniture, Equipment, & Appliance for Field Engineer	1.00		ls	400,000.00		400,000.00		420,000.00		0.29%
A.1.2 (5)	Operation & Maintenance of Gov't. Service Vehicles	1.00		ls	571,649.48		571,649.48		600,231.95		0.42%
	TOTAL OF PART A				1,458,665.11						1.07%
PART B	Other General Requirements										
B.4(1)	Construction Survey and Staking	0.36		km	41,324.15		114,789.30		142,223.95		0.03%
B.5	Project Billboard	2.00		unit	4,875.66		2,437.83		3,020.47		0.00%
B.7	Occupational Safety & Health Program	1.00		ls	320,396.94		320,396.94		363,330.13		0.23%
B.8(2)	Traffic Management	1.00		ls	232,112.44		232,112.44		263,215.51		0.17%
B.9	Mobilization & Demobilization	1.00		ls	953,204.00		953,204.00		1,000,864.20		0.70%
	TOTAL OF PART B				1,551,913.19						1.14%
PART C	Earthworks										
101(3)b5	Removal of Actual Structures/Obstruction	804.00		sq.m	83,784.64		104.21		129.12		0.06%
103(1)a	Structure Excavation, Common Soil	559.85		cu.m	129,187.12		230.75		285.90		0.09%
103(2)a	Bridge Excavation, Common Soil	308.85		cu.m	51,375.03		166.34		206.10		0.04%
103(2)b	Bridge Excavation, Soft Rock	1,097.41		cu.m	380,986.24		347.17		430.14		0.28%
104(2a)	Embankment from Borrow	37,307.00		cu.m	24,167,671.39		647.81		802.63		17.69%
	TOTAL OF PART C				24,813,004.43						18.16%
PART D	Subbase and Base Course										
200(1)	Aggregate Subbase Course	1,883.00		cu.m	2,686,297.73		1,426.61		1,767.56		1.97%
	TOTAL OF PART D				2,686,297.73						1.97%
PART E	Surface Courses										
311(1e1)	Portland Cement Concrete Pavement	2,318.20		sq.m	3,831,340.41		1,652.72		2,047.72		2.80%
	TOTAL OF PART E				3,831,340.41						2.80%
PART F	Bridge Construction										
400(4)a1	Precast Concrete Piles, Furnished	2,300.00		ln.m	10,276,235.50		4,467.93		5,535.76		7.52%
400(6)	Structural Steel Sheet Piles, Furnished	5,364.00		m	13,387,689.44		2,495.84		3,092.35		9.80%
400 (12)	Structural Steel Sheet Piles, Driven	4,986.00		m	5,665,087.40		1,136.20		1,407.75		4.15%
400(14)	Precast Concrete Piles, Driven	2,185.00		ln.m	4,100,610.17		1,876.71		2,325.24		3.00%
400(16)a	Test Piles, Furnished and Driven (400mm X 400mm)	100.00		ln.m	469,403.97		4,694.04		5,815.92		0.34%
401(2)a	Concrete Railing	240.60		ln.m	1,124,099.12		4,672.07		5,788.69		0.82%
402(1)	Timber Structure (Craneway)	18.00		span	1,454,608.72		80,811.60		100,125.57		1.06%

404(1)a	Reinforcing Steel (Grade 40)	22,201.26			1,259,566.13		56.73		70.29		0.92%
404(1)b	Reinforcing Steel (Grade 60)	186,413.56		kg	10,967,454.09		58.83		72.90		8.03%
405(1)a3	Structural Concrete, $f_c' = 27.58$ Mpa	1,765.88		cu.m	12,864,735.70		7,285.17		9,026.33		9.42%
406(1)f8	Prestressed Structural Concrete Member, Type IV-B	16.00		each	13,290,283.79		830,642.74		1,029,166.35		9.73%
407(8)	Lean Concrete for RCBC	24.41		cu.m	163,170.18		6,684.56		8,282.17		0.12%
412(1)	Elastomeric Bearing Pads	32.00		each	170,392.68		5,324.77		6,597.39		0.12%
413(3)b	Premolded Expansion Joint Filler with Sealant	9.72		cu.m	4,958.31		510.11		632.03		0.00%
413(7)a1	Expansion Dam for Bridges (Steel)	3.00		set	1,327,312.16		442,437.39		548,179.92		0.97%
414(1)	Forms and Falsework	1.00		ls	1,334,596.89		1,334,596.89		1,653,565.55		0.98%
	TOTAL OF PART F				77,860,204.26						57.00%
PART G	Drainage and Slope Protection Structures										
505(2)a	Grouted Riprap, Class "A"	2,881.08		cu.m	9,638,219.11		3,345.35		4,144.89		7.06%
508 (1)	Handlaid Rock Embankment	8,466.20		cu.m	14,639,495.06		1,729.17		2,142.44		10.72%
	TOTAL OF PART G				24,277,714.17						17.77%
PART H	Miscellaneous Structure										
612(1)	Reflectorized Thermoplastic Pavement Markings (White)	96.00		sq.m	70,242.83		731.70		906.57		0.05%
612(2)	Reflectorized Thermoplastic Pavement Markings (Yellow)	72.00		sq.m	49,788.78		691.51		856.78		0.04%
	TOTAL OF PART H				120,031.61						0.09%
	GRAND TOTAL				136,599,170.92						100.00%



Replacement of Permanent Weak Bridges - **Sum Bridge (BR01588MN)** along Piñan - Mutia Road
Zamboanga del Norte

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	6	26			
2	Bulldozer		2	27			
3	Backhoe	0.83 cu.m/1.04 cu. Yd	2	28			
4	Road Grader		2	29			
5	Road Roller	10 mt	2	30			
6	Payloader	1.50 cu.m/1.95 cu.yd	2	31			
7	Water Truck/Pump	16000L	2	32			
8	Water Tank		2	33			
9	Transit Mixer	5-6 cu. Yd	2	34			
10	Portable Screed		1	35			
11	Concrete Vibrator		2	36			
12	Concrete Cutter		2	37			
13	Bar Cutter		1	38			
14	Bar Bender		1	39			
15	Cobcrete Mixer	4-6 cu.ft/min	2	40			
16	Plate Compactor		1	41			
17	Truck Mounted Crane		1	42			
18	Diesel Hammer		1	43			
19	Drop Hammer		1	44			
20	Jack Hammer		1	45			
21	Air Compressor		1	46			
22	Cargo Truck		1	47			
23				48			
24				49			
25				50			
	SUB-TOTAL				SUB-TOTAL		
TOTAL							

[illegible]

505(2)a	Grouted Riprap, Class "A"	AS EVALUATED											
		AS SUBMITTED	7.06%	2,881.08	cu.m	1,643,734.00	1,196,093.33	798,391.78	9,638,219.11	18.00%	1,734,879.44	568,654.93	11,941,753.48
508 (1)	Handlaid Rock Embankment	AS EVALUATED											
		AS SUBMITTED	10.72%	8,466.20	cu.m	13,165,364.31	1,340,118.86	134,011.89	14,639,495.06	18.00%	2,635,109.11	863,730.21	18,138,334.38
	TOTAL OF PART G	AS EVALUATED											
		AS SUBMITTED	17.77%			20,809,098.31	2,536,212.19	932,403.67	24,277,714.17		4,369,988.55	1,432,385.14	30,080,087.86
PART H	Miscellaneous Structure												
612(1)	Reflectorized Thermoplastic Pavement Markings (White)	AS EVALUATED											
		AS SUBMITTED	0.05%	96.00	sq.m	62,527.25	1,801.37	5,914.22	70,242.83	18.00%	12,643.71	4,144.33	87,030.87
612(2)	Reflectorized Thermoplastic Pavement Markings (Yellow)	AS EVALUATED											
		AS SUBMITTED	0.04%	72.00	sq.m	46,895.44	675.51	2,217.83	49,788.78	18.00%	8,961.98	2,937.54	61,688.30
	TOTAL OF PART H	AS EVALUATED											
		AS SUBMITTED	0.09%			109,422.68	2,476.88	8,132.05	120,031.61		21,605.69	7,081.87	148,719.17
	GRAND TOTAL	AS EVALUATED											
		AS SUBMITTED	100.00%			111,901,829.30	7,966,144.46	16,731,197.16	138,599,170.92		24,186,126.20	8,039,264.86	168,824,561.97



GION IX

**Replacement of Permanent Weak Bridges - Dionum Bridge (BR01588MN) along Piñan - Mutia Road
Zamboanga del Norte**

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	1,458,665.11		87,662.81	77,316.40	164,979.21	1,623,644.32
PART B	Other General Requirements	AS EVALUATED						
		AS SUBMITTED	1,551,913.19		52,516.72	80,221.50	132,738.21	1,684,651.40
PART C	Earthworks	AS EVALUATED						
		AS SUBMITTED	24,813,004.43		4,466,340.80	1,463,967.26	5,930,308.06	30,743,312.49
PART D	Subbase and Base Course	AS EVALUATED						
		AS SUBMITTED	2,686,297.73		483,533.59	158,491.57	642,025.16	3,328,322.89
PART E	Surface Courses	AS EVALUATED						
		AS SUBMITTED	3,831,340.41		689,641.27	226,049.08	915,690.36	4,747,030.77
PART F	Bridge Construction	AS EVALUATED						
		AS SUBMITTED	77,860,204.26		14,014,836.77	4,593,752.05	18,608,588.82	96,468,793.07
PART G	Drainage and Slope Protection Structures	AS EVALUATED						
		AS SUBMITTED	24,277,714.17		4,369,988.55	1,432,385.14	5,802,373.69	30,080,087.86
PART H	Miscellaneous Structure	AS EVALUATED						
		AS SUBMITTED	120,031.61		21,605.69	7,081.87	28,687.56	148,719.17
PART I	Provisional Sum	AS EVALUATED						
		AS SUBMITTED	-		-	-	-	-
PART J	Daywork	AS EVALUATED						
		AS SUBMITTED	-		-	-	-	-
TOTAL		AS EVALUATED						
		AS SUBMITTED	129,961,501.16		22,991,345.64	7,647,642.34	30,638,987.98	160,600,489.15

Preparation and Submission:

Prepared by:


JERALD R. BARRERA

Engineer II
DPWH RO9

Checked/Submiiedt by:


ISIDRA A. ESTANISLAO

Engineer IV
DPWH RO9

Evaluation:

Reviewed by:


SATURNINO C. TORRE FRANCA

District Engineer
DPWH RO9

Approval:

Recommending Approval


KHADAFFY D. TANGGOL

OIC-Assistant Regional Director
DPWH RO9

Approved:


CAYAMBEO D. DIA

Regional Director
DPWH RO9



Replacement of Permanent Weak Bridges - Lunum Bridge (BR01588MN) along Piñan - Mutia Road
Zamboanga del Norte

FORM PQW-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)	Const. of Field Office for the Enigneer	AS EVALUATED									
		AS SUBMITTED	1.00	ls	487,015.63	18.00%	87,662.81	28,733.92	116,396.74	603,412.37	603,412.37
A.1.1 (11)	Prov. Of Furniture, Equipment, & Appliance for Field Engineer	AS EVALUATED									
		AS SUBMITTED	1.00	ls	400,000.00	0.00%	-	20,000.00	20,000.00	420,000.00	420,000.00
A.1.2 (5)	Operation & Maintenance of Gov't. Service Vehicles	AS EVALUATED									
		AS SUBMITTED	1.00	ls	571,649.48	0.00%	-	28,582.47	28,582.47	600,231.95	600,231.95
	TOTAL OF PART A	AS EVALUATED									
		AS SUBMITTED			1,458,665.11		87,662.81	77,316.40	164,979.21	1,623,644.32	
PART B	Other General Requirements										
B.4(1)	Construction Survey and Staking	AS EVALUATED									
		AS SUBMITTED	0.36	km	41,324.15	18.00%	7,438.35	2,438.12	9,876.47	51,200.62	142,223.95
B.5	Project Billboard	AS EVALUATED									
		AS SUBMITTED	2.00	unit	4,875.66	18.00%	877.62	287.66	1,165.28	6,040.95	3,020.47
B.7	Occupational Safety & Health Program	AS EVALUATED									
		AS SUBMITTED	1.00	ls	320,396.94	8.00%	25,631.76	17,301.43	42,933.19	363,330.13	363,330.13
B.8(2)	Traffic Management	AS EVALUATED									
		AS SUBMITTED	1.00	ls	232,112.44	8.00%	18,569.00	12,534.07	31,103.07	263,215.51	263,215.51
B.9	Mobilization & Demobilization	AS EVALUATED									
		AS SUBMITTED	1.00	ls	953,204.00	0.00%	-	47,660.20	47,660.20	1,000,864.20	1,000,864.20
	TOTAL OF PART B	AS EVALUATED			-						
		AS SUBMITTED			1,551,913.19		52,516.72	80,221.50	132,738.21	1,684,651.40	
PART C	Earthworks										
101(3)b5	Removal of Actual Structures/Obstruction	AS EVALUATED									
		AS SUBMITTED	804.00	sq.m	83,784.64	18.00%	15,081.24	4,943.29	20,024.53	103,809.17	129.12
103(1)a	Structure Excavation, Common Soil	AS EVALUATED									
		AS SUBMITTED	559.85	cu.m	129,187.12	18.00%	23,253.68	7,622.04	30,875.72	160,062.85	285.90
103(2)a	Bridge Excavation, Common Soil	AS EVALUATED									
		AS SUBMITTED	308.85	cu.m	51,375.03	18.00%	9,247.51	3,031.13	12,278.63	63,653.66	206.10
103(2)b	Bridge Excavation, Soft Rock	AS EVALUATED									
		AS SUBMITTED	1,097.41	cu.m	380,986.24	18.00%	68,577.52	22,478.19	91,055.71	472,041.95	430.14
104(2a)	Embankment from Borrow	AS EVALUATED									
		AS SUBMITTED	37,307.00	cu.m	24,167,671.39	18.00%	4,350,180.85	1,425,892.61	5,776,073.46	29,943,744.86	802.63
	TOTAL OF PART C	AS EVALUATED			-						
		AS SUBMITTED			24,813,004.43		4,466,340.80	1,463,967.26	5,930,306.06	30,743,312.49	
PART D	Subbase and Base Course										
200(1)	Aggregate Subbase Course	AS EVALUATED									
		AS SUBMITTED	1,883.00	cu.m	2,686,297.73	18.00%	483,533.59	158,491.57	642,025.16	3,328,322.89	1,767.56

	TOTAL OF PART D	AS EVALUATED				-					
		AS SUBMITTED				386,297.73	483,533.59	158,491.57	642,025.16	3,328,322.89	
PART E	Surface Courses										
311(1e1)	Portland Cement Concrete Pavement	AS EVALUATED									
		AS SUBMITTED	2,318.20	sq.m		3,831,340.41	18.00%	689,641.27	226,049.08	915,690.36	4,747,030.77
	TOTAL OF PART E	AS EVALUATED				-					
		AS SUBMITTED				3,831,340.41		689,641.27	226,049.08	915,690.36	4,747,030.77
PART F	Bridge Construction										
400(4)a1	Precast Concrete Piles, Furnished	AS EVALUATED									
		AS SUBMITTED	2,300.00	ln.m		10,276,235.50	18.00%	1,849,722.39	606,297.89	2,456,020.28	12,732,255.79
400(6)	Structural Steel Sheet Piles, Furnished	AS EVALUATED									
		AS SUBMITTED	5,364.00	m		13,387,689.44	18.00%	2,409,784.10	789,873.68	3,199,657.78	16,587,347.21
402(1)	Timber Structure (Craneway)	AS EVALUATED									
		AS SUBMITTED	18.00	span		1,454,608.72	18.00%	261,829.57	85,821.91	347,651.48	1,802,260.20
400 (12)	Structural Steel Sheet Piles, Driven	AS EVALUATED									
		AS SUBMITTED	4,986.00	m		5,665,087.40	18.00%	1,019,715.73	334,240.16	1,353,955.89	7,019,043.29
400(14)	Precast Concrete Piles, Driven	AS EVALUATED									
		AS SUBMITTED	2,185.00	ln.m		4,100,610.17	18.00%	738,109.83	241,936.00	980,045.83	5,080,656.00
400(16)a	Test Piles, Furnished and Driven (400mm X 400mm)	AS EVALUATED									
		AS SUBMITTED	100.00	ln.m		469,403.97	18.00%	84,492.71	27,694.83	112,187.55	581,591.52
401(2)a	Concrete Railing	AS EVALUATED	-	-		-					
		AS SUBMITTED	240.60	ln.m		1,124,099.12	18.00%	202,337.84	66,321.85	268,659.69	1,392,758.81
404(1)a	Reinforcing Steel (Grade 40)	AS EVALUATED									
		AS SUBMITTED	22,201.26	kg		1,259,566.13	18.00%	226,721.90	74,314.40	301,036.31	1,560,602.44
404(1)b	Reinforcing Steel (Grade 60)	AS EVALUATED									
		AS SUBMITTED	186,413.56	kg		10,967,454.09	18.00%	1,974,141.74	647,079.79	2,621,221.53	13,588,675.62
405(1)a3	Structural Concrete, fc'=27.58 Mpa	AS EVALUATED									
		AS SUBMITTED	1,765.88	cu.m		12,864,735.70	18.00%	2,315,652.43	759,019.41	3,074,671.83	15,939,407.53
406(1)f8	Prestressed Structural Concrete Member, Type IV-B	AS EVALUATED	-	-		-					
		AS SUBMITTED	16.00	each		13,290,283.79	18.00%	2,392,251.08	784,126.74	3,176,377.83	16,466,661.62
407(8)	Lean Concrete for RCBC	AS EVALUATED									
		AS SUBMITTED	24.41	cu.m		163,170.18	18.00%	29,370.63	9,627.04	38,997.67	202,167.85
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
412(1)	Elastomeric Bearing Pads	AS EVALUATED	-	-		-					
		AS SUBMITTED	32.00	each		170,392.68	18.00%	30,670.68	10,053.17	40,723.85	211,116.52
413(7)a1	Expansion Dam for Bridges (Steel)	AS EVALUATED	-	-		-					
		AS SUBMITTED	3.00	set		1,327,312.16	18.00%	238,916.19	78,311.42	317,227.61	1,644,539.77
414(1)	Forms and Falsework	AS EVALUATED	-	-		-					
		AS SUBMITTED	1.00	ls		1,334,596.89	18.00%	240,227.44	78,741.22	318,968.66	1,653,565.55
	TOTAL OF PART F	AS EVALUATED				-					
		AS SUBMITTED				77,860,204.26		14,014,836.77	4,593,752.05	18,608,588.82	96,468,793.07
PART G	Drainage and Slope Protection Structures										
505(2)a	Grouted Riprap, Class "A"	AS EVALUATED									
		AS SUBMITTED	2,881.08	cu.m		9,638,219.11	18.00%	1,734,879.44	568,654.93	2,303,534.37	11,941,753.48

507 (1)	Rubble Concrete	AS EVALUATED								
		AS SUBMITTED	-	cu.m	-	18.00%	-	-	-	#DIV/0!
508 (1)	Handlaid Rock Embankment	AS EVALUATED								
		AS SUBMITTED	8,466.20	cu.m	14,639,495.06	18.00%	2,635,109.11	863,730.21	3,498,839.32	18,138,334.38
	TOTAL OF PART G	AS EVALUATED			-					
		AS SUBMITTED			24,277,714.17		4,369,988.55	1,432,385.14	5,802,373.69	30,080,087.86
PART H	Miscellaneous Structure									
612(1)	Reflectorized Thermoplastic Pavement Markings (White)	AS EVALUATED								
		AS SUBMITTED	96.00	sq.m	70,242.83	18.00%	12,643.71	4,144.33	16,788.04	87,030.87
612(2)	Reflectorized Thermoplastic Pavement Markings (Yellow)	AS EVALUATED								
		AS SUBMITTED	72.00	sq.m	49,788.78	18.00%	8,961.98	2,937.54	11,899.52	61,688.30
	TOTAL OF PART H	AS EVALUATED			-					
		AS SUBMITTED			120,031.61		21,605.69	7,081.87	28,687.56	148,719.17
	GRAND TOTAL	AS EVALUATED			-					
		AS SUBMITTED			136,599,170.92		24,186,126.20	8,039,264.86	32,225,391.06	168,824,561.97

168,824,561.97

Preparation and Submission:

Prepared by:

Checked/Submitted by:

Evaluation:

Reviewed by:


JERALD R. BARRERA

Engineer II

DPWH RO9


ISIDRA A. ESTANISLAO

Engineer IV

DPWH RO9


SATURNINO C. TORRE FRANCA

District Engineer

DPWH RO9


Replacement of Pier at Weak Bridges - Dionum Bridge (BR01588MN) along Pan - Mutla Road
Zamboanga del Norte

FORM-POW-2015-01D-00

Item No./Description : Const. of Field Office for the Engineer
Unit of Measurement : 1.00 Is
Output per hour-As Submitted : 1.00
Output per hour-As Evaluated :

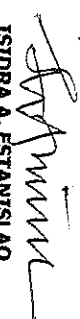
Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
A.1				
Labor				
a. Construction Foreman	1	80	80.95	6,476.10
b. Masons	3	80	58.61	14,066.10
c. Carpenters	3	80	58.61	14,066.10
d. Laborers	6	80	45.16	21,675.00
Sub-Total for A-1 As Submitted				56,283.30
Labor				
A.2				
Sub-Total 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	32	172.00	5,504.00
b. Water Truck	1	8	2,450.00	19,600.00
Minor Tools (10% of Labor Cost)				5,628.33
Sub-Total for B-1 As Submitted				30,732.33
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				56,283.30
C.2				
Total (A.2+B.2) - As Evaluated				-
D.1				
Output per Hour - As Submitted				1.00
D.2				
Output per Hour - As Evaluated				-
E.1				
Direct Unit Cost (C.1 +D.1) - As Submitted				56,283.30
E.2				
Direct Unit Cost (C.2 +D.2) - As Evaluated				-
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
F.1				
Materials				
a. Materials	lumpsum	1	400,000.00	400,000.00
Sub-Total for F-1 As Submitted				400,000.00
Equipment				
F.2				
Sub-Total for F-2 As Evaluated				
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				456,283.30
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted			12%/9%/7%/6% of G.1	45,628.33
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated			12%/9%/7%/6% of G.1	-
I.1				
Contractor's Profit - As Submitted			10%/8% of G.1	36,502.66
I.2				
Contractor's Profit - As Evaluated			10%/8% of G.1	-
J.1				
Value Added Tax - As Submitted			5% of (G.1+H.1+I.1)	26,920.71
J.2				
Value Added Tax - As Evaluated			5% of (G.2+H.2+I.2)	-
K.1				
Total Unit Cost - As Submitted			(G.1+H.1+I.1+J.1)	565,335.01
K.2				
Total Unit Cost - As Evaluated			(G.2+H.2+I.2+J.2)	-

Prepared by:


JERALD R. BARBERA

Engineer II

Checked/Reviewed


ISIDRA A. ESTANISLAO

Engineer IV

: Prov. Of Furniture, Equipment, & Appliance for Field Engineer

1.00 1s
1.00
..

	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				
B.1	Name and Capacity	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
	Equipment				
	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				1.00
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				
F.1	Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
	Materials				
	a. Office Equipment/Facilities & Supplies	lumpsum	1	400,000.00	400,000.00
	Sub-Total for F-1 As Submitted				400,000.00
F.2	Equipment				
	Sub-Total for F-2 As Evaluated				
G.1	Direct Unit Cost (E.1+F.1) - As Submitted				400,000.00
G.2	Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1	Overhead, Contingencies & Miscellaneous (OCM) - As Submitted			12%/9%/7%/6% of G.1	-
H.2	Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated			12%/9%/7%/6% of G.1	-
I.1	Contractor's Profit - As Submitted			10%/8% of G.1	-
I.2	Contractor's Profit - As Evaluated			10%/8% of G.1	-
J.1	Value Added Tax - As Submitted			5% of (G.1+H1+I1)	20,000.00
J.2	Value Added Tax - As Evaluated			5% of (G.2+H2+I2)	-
K.1	Total Unit Cost - As Submitted			(G.1+H1+I1+J1)	420,000.00
K.2	Total Unit Cost - As Evaluated			(G.2+H2+I2+J1)	-

Prepared by:

Checked/Reviewed

JERALD R. BARRERA

Engineer II

ISIDRA A. ESTANISLAO

Engineer IV

**Replacement of Pier Unit Weak Bridges - Dionium Bridge (BR01588MN) along Pan - Mutia Road
Zamboanga del Norte**

FORM-POW-2015-01D-00

Item No./Description : Operation & Maintenance of Gov't. Service Vehicles

Unit of Measurement : 1.00 Is

Output per hour-As Submitted : 1.00

Output per hour-As Evaluated :

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Pip.)
A.1				
Labor				
a. Service Driver	1	1632	58.61	95,649.48
Sub-Total for A-1 As Submitted				95,649.48
Labor				
A.2				
Sub-Total for A-2 As Evaluated				-
B.1				
Equipment	No. of Units	No. of Hour/s	Hourly Rate	Amount (Pip.)
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				95,649.48
C.2				
Total (A.2+B.2) - As Evaluated				-
D.1				
Output per Hour - As Submitted				1.00
D.2				
Output per Hour - As Evaluated				-
E.1				
Direct Unit Cost (C.1 + D.1) - As Submitted				95,649.48
E.2				
Direct Unit Cost (C.2 + D.2) - As Evaluated				-
F.1				
Materials	Unit	Quantity	Unit Cost	Amount (Pip.)
a. Diesel Fuel	ltrs	6,120.00	50.00	306,000.00
b. Engine Oil & Lubricants	ls	1.00	30,000.00	30,000.00
c. Tires	pcs	4.00	10,000.00	40,000.00
d. Spareparts etc.	ls	1.00	100,000.00	100,000.00
Sub-Total for F-1 As Submitted				476,000.00
Equipment				
F.2				
Sub-Total for F-2 As Evaluated				-
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				571,649.48
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted			12%/9%/7%/6% of G.1	-
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated			12%/9%/7%/6% of G.1	-
I.1				
Contractor's Profit - As Submitted			10%/8% of G.1	-
I.2				
Contractor's Profit - As Evaluated			10%/8% of G.1	-
J.1				
Value Added Tax - As Submitted			5% of (G.1+H1+I1)	28,582.47
J.2				
Value Added Tax - As Evaluated			5% of (G.2+H2+I2)	-
K.1				
Total Unit Cost - As Submitted			(G.1+H1+I1+J1)	600,231.95
K.2				
Total Unit Cost - As Evaluated			(G.2+H2+I2+J1)	-

Prepared by:

Checked/Reviewed


JERALD R. BARRENA

Engineer II


ISIDRA A. ESTANISLAO

Engineer IV

Replacement of Permanent Weak Bridges - Dionun Bridge (BR01588MN) along San Juan - Mutia Road
Zamboanga del Norte
DETAILED UNIT PRICE ANALYSIS

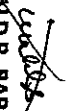
FORM-POW-2015-01D-00

Item No./Description : Construction Survey and Staking
Unit of Measurement : 0.36 km
Output per hour-As Submitted : 1.00
Output per hour-As Evaluated :

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
Labor				
<i>(For Field Works)</i>				
a. Geodetic Engineer	1	27	80.95	2,185.68
b. Skilled Laborer	3	27	58.61	4,747.31
c. Laborer	3	27	45.16	3,657.66
<i>(For Office Works)</i>				
a. Geodetic Engineer	1	80	80.95	6,476.10
b. Skilled Laborer	2	80	58.61	9,377.40
Sub-Total for A-1 As Submitted				26,444.15
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. Total Station with complete accessories	1	27	100.00	2,700.00
Sub-Total for B-1 As Submitted				2,700.00
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				29,144.15
C.2				
Total (A.2+B.2) - As Evaluated				-
D.1				
Output per Hour - As Submitted				1.00
D.2				
Output per Hour - As Evaluated				-
E.1				
Direct Unit Cost (C.1 + D.1) - As Submitted				29,144.15
E.2				
Direct Unit Cost (C.2 + D.2) - As Evaluated				-
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
Materials				
a. Standard Stake Plan	pcs	35	200.00	7,000.00
b. Blue Printing	pcs	115	40.00	4,600.00
Miscellaneous (5% of Materials)				580.00
Sub-Total for F-1 As Submitted				12,180.00
Materials				
F.2				
Sub-Total for F-2 As Evaluated				-
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				41,324.15
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted			12%/9%/7%/6% of G.1	4,132.41
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated			12%/9%/7%/6% of G.1	-
I.1				
Contractor's Profit - As Submitted			10%/8% of G.1	3,305.93
I.2				
Contractor's Profit - As Evaluated			10%/8% of G.1	-
J.1				
Value Added Tax - As Submitted			5% of (G.1+H.1+I.1)	2,438.12
J.2				
Value Added Tax - As Evaluated			5% of (G.2+H.2+I.2)	-
K.1				
Total Unit Cost - As Submitted			(G.1+H.1+I.1+J.1)	51,200.62
K.2				
Total Unit Cost - As Evaluated			(G.2+H.2+I.2+J.2)	-

Prepared by:

Checked/Reviewed


JERALD R. BARRERA
Engineer II


ISIDRA AL ESTANISLAO
Engineer IV

Replacement of Pier and Abutment Weak Bridges - Dionun Bridge (BR01598MN) along San Juan - Mutia Road
Zamboanga del Norte
DETAILED UNIT PRICE ANALYSIS

FORM-POW-2015-01D-00

Item No./Description : Project Billboard
 Unit of Measurement : 2.00 unit
 Output per hour-As Submitted : 1.00
 Output per hour-As Evaluated : -

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
Labor				
a. Construction Foreman	1	1	80.95	80.95
b. Skilled Laborer	2	1	58.61	117.22
c. 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				
Name and Capacity	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
Equipment				
B.1				
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				288.48
C.2				
Total (A.2+B.2) - As Evaluated				-
D.1				
Output per Hour - As Submitted				1.00
D.2				
Output per Hour - As Evaluated				-
E.1				
Direct Unit Cost (C.1 +D.1) - As Submitted				288.48
E.2				
Direct Unit Cost (C.2 +D.2) - As Evaluated				-
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
Materials				
a. Marine Plywood, 3/6" thk x 4' x 8'	pcs	1.00	1,247.00	1,247.00
b. Tarpauling (4" x 8")	pcs	1.00	800.00	800.00
c. Assorted Lumber Sizes	bd/ft	50.00	20.00	1,000.00
d. Assorted Sizes CMW Nails	kg	1.00	78.00	78.00
Sub-Total for F-1 As Submitted				3,047.00
Materials				
F.2				
Sub-Total for F-2 As Evaluated				-
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				3,335.48
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted			12%/9%/7%/6% of G.1	333.55
H.2			12%/9%/7%/6% of G.1	-
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated			10%/8% of G.1	266.84
I.1			10%/8% of G.1	
I.2			10%/8% of G.1	-
Contractor's Profit - As Evaluated				
J.1			5% of (G.1+H1+I1)	196.79
Value Added Tax - As Submitted			5% of (G.2+H2+I2)	-
J.2			5% of (G.1+H1+I1+J1)	4,132.66
K.1			(G.1+H1+I1+J1)	
K.2			(G.2+H2+I2+J1)	-

Prepared by:

Checked/Reviewed


JERALD R. BARRERA
 Engineer II


ISIDRA A. ESTANISLAO
 Engineer IV

Unit of Measurement
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. Safety Practitioner	1	816	80.95	66,056.22
A.1	b. First Aider	2	1632	74.14	241,980.72
	Sub-Total for A-1 As Submitted				308,036.94
	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				308,036.94
C.2	Total (A.2+B.2) - As Evaluated				-
D.1	Output per Hour - As Submitted				1.00
D.2	Output per Hour - As Evaluated				-
E.1	Direct Unit Cost (C.1 + D.1) - As Submitted				308,036.94
E.2	Direct Unit Cost (C.2 + D.2) - As Evaluated				-
	Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
	Materials				
F.1	a. Pairs, Rubber Boots Men, Long with Steel Toe, Black	pair	24.00	400.00	9,600.00
	b. Pairs, Working Gloves (Maong Materials)	pair	24.00	15.00	360.00
	c. Rain Coats (Rain Forced, Hip Length Small, Medium & Large)	pcs	24.00	100.00	2,400.00
	Sub-Total for F-1 As Submitted				12,360.00
	Materials				
F.2					
	Sub-Total for F-2 As Evaluated				-
G.1	Direct Unit Cost (E.1+F.1) - As Submitted				320,396.94
G.2	Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1	Overhead, Contingencies & Miscellaneous (OCM) - As Submitted			12%/9%/7%/6% of G.1	-
H.2	Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated			12%/9%/7%/6% of G.1	-
I.1	Contractor's Profit - As Submitted			10%/8% of G.1	25,631.76
I.2	Contractor's Profit - As Evaluated			10%/8% of G.1	-
J.1	Value Added Tax - As Submitted			5% of (G.1+H1+I1)	17,301.43
J.2	Value Added Tax - As Evaluated			5% of (G.2+H2+I2)	-
K.1	Total Unit Cost - As Submitted			(G.1+H1+I1+J1)	363,330.13
K.2	Total Unit Cost - As Evaluated			(G.2+H2+I2+J1)	-

Checked/Reviewed

ISIDRA A. ESTANISLAO
Engineer IV

Engineer IV

Replacement of Present Weak Bridges - Dionun Bridge (BR01588MN) along Pan - Mutla Road
Zamboanga del Norte
DETAILED UNIT PRICE ANALYSIS

FORM-POW-2015-01D-00

Item No./Description : Traffic Management

Unit of Measurement : 1.00 ls

Output per hour-As Submitted : 1.00

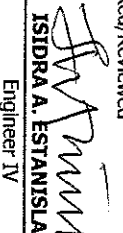
Output per hour-As Evaluated : -

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
A.1				
Labor				
a. laborer	2	816	80.95	132,112.44
Sub-Total for A-1 As Submitted				132,112.44
Labor				
A.2				
Sub-Total for A-2 As Evaluated				
B.1				
Equipment	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
Sub-Total for B-1 As Submitted				-
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				132,112.44
C.2				
Total (A.2+B.2) - As Evaluated				-
D.1				
Output per Hour - As Submitted				1.00
D.2				
Output per Hour - As Evaluated				-
E.1				
Direct Unit Cost (C.1 ÷ D.1) - As Submitted				132,112.44
E.2				
Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				-
	Name and Specification	Unit	Quantity	Unit Cost
F.1				
Materials				
a. Traffic Materials/Supplies	ls	1.00	100,000.00	100,000.00
Sub-Total for F-1 As Submitted				100,000.00
Materials				
F.2				
Sub-Total for F-2 As Evaluated				-
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				232,112.44
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted			12%/9%/7%/6% of G.1	-
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated			12%/9%/7%/6% of G.1	-
I.1				
Contractor's Profit - As Submitted			10%/8% of G.1	18,569.00
I.2				
Contractor's Profit - As Evaluated			10%/8% of G.1	-
J.1				
Value Added Tax - As Submitted			5% of (G.1+H1+I1)	12,534.07
J.2				
Value Added Tax - As Evaluated			5% of (G.2+H2+I2)	-
K.1				
Total Unit Cost - As Submitted			(G.1+H1+I1+J1)	263,215.51
K.2				
Total Unit Cost - As Evaluated			(G.2+H2+I2+J2)	-

Prepared by:


JERARD R. BARRERA
 Engineer II

Checked/Reviewed


ISIDRA A. ESTANISLAO
 Engineer IV

Replacement of Pier at Weak Bridges - Dionum Bridge (BR01589MN) along Zamboanga del Norte - Mutia Road
DETAILED UNIT PRICE ANALYSIS

FORM-POW-2015-01D-00

Item No./Description : Mobilization & Demobilization

Unit of Measurement : 1.00 ls

Output per hour-As Submitted : 1.00

Output per hour-As Evaluated :

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
Labor				
A.1				-
				-
				-
				-
Sub-Total for A-1 As Submitted				-
Labor				
A.2				
Sub-Total for A-2 As Evaluated				
Name and Capacity	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
Equipment				
a. Low Bed Trailer	4	56	4,255.38	953,204.00
Sub-Total for B-1 As Submitted				953,204.00
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1 Total (A.1+B.1) - As Submitted				953,204.00
C.2 Total (A.2+B.2) - As Evaluated				-
D.1 Output per Hour - As Submitted				1.00
D.2 Output per Hour - As Evaluated				-
E.1 Direct Unit Cost (C.1 ÷ D.1) - As Submitted				953,204.00
E.2 Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				-
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
F.1				-
Materials				-
				-
Sub-Total for F-1 As Submitted				-
Materials				
F.2				
Sub-Total for F-2 As Evaluated				-
G.1 Direct Unit Cost (E.1+F.1) - As Submitted				953,204.00
G.2 Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1 Overhead, Contingencies & Miscellaneous (OCM) - As Submitted			12%/9%/7%/6% of G.1	-
H.2 Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated			12%/9%/7%/6% of G.1	-
I.1 Contractor's Profit - As Submitted			10%/8% of G.1	-
I.2 Contractor's Profit - As Evaluated			10%/8% of G.1	-
J.1 Value Added Tax - As Submitted			5% of (G.1+H.1+I.1)	47,660.20
J.2 Value Added Tax - As Evaluated			5% of (G.2+H.2+I.2)	-
K.1 Total Unit Cost - As Submitted			(G.1+H.1+I.1+J.1)	1,000,864.20
K.2 Total Unit Cost - As Evaluated			(G.2+H.2+I.2+J.1)	-

Prepared by:

JERALD R. BARBERA
JERALD R. BARBERA

Engineer II

Checked/Reviewed

ISIDRA A. ESTANISLAO
ISIDRA A. ESTANISLAO

Engineer IV

Replacement of Perme Weak Bridges - Dionun Bridge (BR01588MN) π Piñan - Mutia Road
Zamboanga del Norte
DETAILED UNIT PRICE ANALYSIS

FORM-POW-2015-01D-00

Item No./Description : Removal of Actual Structures/Obstruction

Unit of Measurement : 804.00 sq.m
Output per hour-As Submitted : 40.00
Output per hour-As Evaluated : -

	Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
A.1	Labor				
	a. Construction Foreman	1	1.00	80.95	80.95
	b. Laborer	2	1.00	45.16	90.31
	Sub-Total for A-1 As Submitted				171.26
	Labor				-
					-
A.2					-
	Sub-Total for A-2 As Evaluated				-
B.1	Equipment				
	a. Backhoe	1	1.00	1,537.00	1,537.00
	b. Payloader	1	1.00	1,733.00	1,733.00
	c. Dumptruck	1	0.50	1,420.00	710.00
	Minor Tools (10% of Labor Cost)				17.13
	Sub-Total for B-1 As Submitted				3,997.13
	Equipment				
B.2					
	Sub-Total for B-2 As Evaluated				
C.1	Total (A.1+B.1) - As Submitted				4,168.39
C.2	Total (A.2+B.2) - As Evaluated				-
D.1	Output per Hour - As Submitted				40.00
D.2	Output per Hour - As Evaluated				-
E.1	Direct Unit Cost (C.1 +D.1) - As Submitted				104.21
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				104.21
G.2	Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1	Overhead, Contingencies & Miscellaneous (OCM) - As Submitted			12%/9%/7%/6% of G.1	10.42
H.2	Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated			12%/9%/7%/6% of G.1	-
I.1	Contractor's Profit - As Submitted			10%/8% of G.1	8.34
I.2	Contractor's Profit - As Evaluated			10%/8% of G.1	-
J.1	Value Added Tax - As Submitted			5% of (G.1+H1+I1)	6.15
J.2	Value Added Tax - As Evaluated			5% of (G.2+H2+I2)	-
K.1	Total Unit Cost - As Submitted			(G.1+H1+I1+J1)	129.12
K.2	Total Unit Cost - As Evaluated			(G.2+H2+I2+J1)	-

Prepared by:

Checked/Reviewed


JERARDO R. BARRERA
Engineer II


SIDRA A. ESTANISLA
Engineer IV

Replacement of Piers - Weak Bridges - Dionun Bridge (BR01588MN) - Pihon - Mutia Road
Zamboanga del Norte
DETAILED UNIT PRICE ANALYSIS

FORM-POW-2015-01D-00

Item No./Description : Structure Excavation, Common Soil

Unit of Measurement : 559.85 cu.m


Output per hour-As Submitted : 20.00

Output per hour-As Evaluated : -

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
Labor				
a. Construction Foreman	1	1.00	80.95	80.95
b. Laborer	3	1.00	45.16	135.47
A.1				
Sub-Total for A-1 As Submitted				216.42
Labor				
A.2				
Sub-Total for A-2 As Evaluated				-
Name and Capacity	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
Equipment				
a. Dumptruck	2	1.00	1,420.00	2,840.00
b. Backhoe	1	1.00	1,537.00	1,537.00
Minor Tools (10% of Labor Cost)				21.64
Sub-Total for B-1 As Submitted				4,398.64
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				4,615.06
C.2				
Total (A.2+B.2) - As Evaluated				-
D.1				
Output per Hour - As Submitted				20.00
D.2				
Output per Hour - As Evaluated				-
E.1				
Direct Unit Cost (C.1 ÷ D.1) - As Submitted				230.75
E.2				
Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				-
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
Materials				
F.1				
Sub-Total for F-1 As Submitted				-
Materials				
F.2				
Sub-Total for F-2 As Evaluated				-
G.1				
Direct Unit Cost (E.1 + F.1) - As Submitted				230.75
G.2				
Direct Unit Cost (E.2 + F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted			12%/9%/7%/6% of G.1	23.08
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated			12%/9%/7%/6% of G.1	-
I.1				
Contractor's Profit - As Submitted			10%/8% of G.1	18.46
I.2				
Contractor's Profit - As Evaluated			10%/8% of G.1	-
J.1				
Value Added Tax - As Submitted			5% of (G.1+H.1+I.1)	13.61
J.2				
Value Added Tax - As Evaluated			5% of (G.2+H.2+I.2)	-
K.1				
Total Unit Cost - As Submitted			(G.1+H.1+I.1+J.1)	285.90
K.2				
Total Unit Cost - As Evaluated			(G.2+H.2+I.2+J.2)	-

Prepared by:

Checked/Reviewed


JERALD R. BARRERA
 Engineer II


ISIDRA A. ESTANISLAO
 Engineer IV

Replacement of Permanent Weak Bridges - Dionum Bridge (BR01588MN) along Maritan - Mutia Road
Zamboanga del Norte
DETAILED UNIT PRICE ANALYSIS

FORM-POW-2015-01D-00

Item No./Description : Bridge Excavation, Common Soil

Unit of Measurement : 308.85 cu.m
Output per hour-As Submitted : 20.00
Output per hour-As Evaluated : -

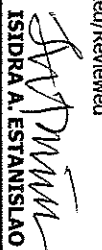
Designation	No. of Persons	No. of Hour/s	Hourly Rate	Amount (Php.)
Labor				
A.1				
a. Construction Foreman	1	1.00	80.95	80.95
b. Skilled Laborer	1	1.00	58.61	58.61
b. Laborer	2	1.00	45.16	90.31
Sub-Total for A-1 As Submitted				229.87
Labor				
A.2				
Sub-Total for A-2 As Evaluated				-
Name and Capacity	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
Equipment				
B.1				
a. Dumpertruck	1	1.00	0.00	-
b. Backhoe	2	1.00	1,537.00	3,074.00
c. Minor Tools (10% of Labor)				22.99
Sub-Total for B-1 As Submitted				3,096.99
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				3,326.86
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				166.34
E.2				
Direct Unit Cost (C.2 + D.2) - As Evaluated				-
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
Materials				
F.1				
				-
				-
				-
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				166.34
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted			12%/9%/7%/6% of G.1	16.63
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated			12%/9%/7%/6% of G.1	-
I.1				
Contractor's Profit - As Submitted			10%/8% of G.1	13.31
I.2				
Contractor's Profit - As Evaluated			10%/8% of G.1	-
J.1				
Value Added Tax - As Submitted			5% of (G.1+H1+I1)	9.81
J.2				
Value Added Tax - As Evaluated			5% of (G.2+H2+I2)	-
K.1				
Total Unit Cost - As Submitted			(G.1+H1+I1+J1)	206.10
K.2				
Total Unit Cost - As Evaluated			(G.2+H2+I2+J2)	-

Prepared by:


JERALD R. BARRERA

Engineer II

Checked/Reviewed


ISIDRA A. ESTANISLAO

Engineer IV

Replacement of Per nt Weak Bridges - Dionum Bridge (BR01588MN) along an - Mutia Road
Zamboanga del Norte
DETAILED UNIT PRICE ANALYSIS

FORM-POW-2015-01D-00

Item No./Description : Bridge Excavation, Soft Rock
Unit of Measurement : 1,097.41 cu.m
Output per hour-As Submitted : 14.00
Output per hour-As Evaluated :

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
Labor				
a. Construction Foreman	1	1.00	80.95	80.95
b. Skilled Laborer	1	1.00	58.61	58.61
c. Laborer	2	1.00	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				
a. Backhoe	1	0.50	1,537.00	768.50
b. Backhoe w/ Breaker	1	0.50	1,998.00	999.00
c. Dumptruck	2	1.00	1,420.00	2,840.00
Minor Tools (10% of Labor)				22.99
Sub-Total for B-1 As Submitted				4,630.49
Equipment				-
				-
B.2				
Sub-Total for B-2 As Evaluated				-
C.1				
Total (A.1+B.1) - As Submitted				4,860.36
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.)
Materials				
				-
				-
				-
F.1				
				-
				-
				-
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				347.17
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted			12%/9%/7%/6% of G.1	34.72
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated			12%/9%/7%/6% of G.1	-
I.1				
Contractor's Profit - As Submitted			10%/8% of G.1	27.77
I.2				
Contractor's Profit - As Evaluated			10%/8% of G.1	-
J.1				
Value Added Tax - As Submitted			5% of (G.1+H1+I1)	20.48
J.2				
Value Added Tax - As Evaluated			5% of (G.2+H2+I2)	-
K.1				
Total Unit Cost - As Submitted			(G.1+H1+I1+J1)	430.14
K.2				
Total Unit Cost - As Evaluated			(G.2+H2+I2+J2)	-

Prepared by:

JERARD R. BARRERA

Engineer II

Checked/Reviewed

ISIDRA A. ESTANISLAO

Engineer IV

37,307.00 cu.m

	Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
	Labor				
	a. Construction Foreman	1	1.00	80.95	80.95
A.1	b. Laborer	2	1.00	45.16	90.31
					-
					-
	Sub-Total for A-1 As Submitted				171.26
	Labor				
A.2					-
	Sub-Total for A-2 As Evaluated				
	Name and Capacity	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
	Equipment				
B.1	a. Motorized Road Grader	1	1.00	2,173.00	2,173.00
	b. Vibratory Roller	1	1.00	1,846.00	1,846.00
	c. Water Truck/Pump	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	441.40	551.75
	Sub-Total for F-1 As Submitted				551.75
	Materials				
F.2	Sub-Total for F-2 As Evaluated				-
G.1	Direct Unit Cost (E.1+F.1) - As Submitted				647.81
G.2	Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1	Overhead, Contingencies & Miscellaneous (OCM) - As Submitted			12%/9%/7%/6% of G.1	64.78
H.2	Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated			12%/9%/7%/6% of G.1	-
I.1	Contractor's Profit - As Submitted			10%/8% of G.1	51.82
I.2	Contractor's Profit - As Evaluated			10%/8% of G.1	-
J.1	Value Added Tax - As Submitted			5% of (G.1+H1+I1)	38.22
J.2	Value Added Tax - As Evaluated			5% of (G.2+H2+I2)	-
K.1	Total Unit Cost - As Submitted			(G.1+H1+I1+J1)	802.63
K.2	Total Unit Cost - As Evaluated			(G.2+H2+I2+J1)	-

ISIDRA A. ESTANISLAO
Engineer IV

Engineer IV

Replacement of Piers Weak Bridges - Dionum Bridge (BR01598MN) Pihan - Mutia Road
Zamboanga del Norte
DETAILED UNIT PRICE ANALYSIS

FORM-POW-2015-01D-00

Item No./Description : Aggregate Subbase Course

Unit of Measurement : 1,883.00 cu.m

Output per hour-As Submitted : 50.00

Output per hour-As Evaluated : -

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
Labor				
a. Construction Foreman	1	1.00	80.95	80.95
b. Laborer	2	1.00	45.16	90.31
A.1				
Sub-Total for A-1 As Submitted				171.26
Labor				
A.2				
Sub-Total for A-2 As Evaluated				-
Equipment				
a. Motorized Road Grader	1	1.00	2,173.00	2,173.00
b. Vibratory Roller	1	1.00	1,846.00	1,846.00
c. Water Truck/Pump	1	0.25	2,450.00	612.50
B.1				
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				-
Materials				
a. Aggregate Subbase Course	cu.m	1.15	1,157.00	1,330.55
F.1				
Sub-Total for F-1 As Submitted				1,330.55
Materials				
F.2				
Sub-Total for F-2 As Evaluated				-
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				1,426.61
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted			12%/9%/7%/6% of G.1	142.66
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated			12%/9%/7%/6% of G.1	-
I.1				
Contractor's Profit - As Submitted			10%/8% of G.1	114.13
I.2				
Contractor's Profit - As Evaluated			10%/8% of G.1	-
J.1				
Value Added Tax - As Submitted			5% of (G.1+H1+I1)	84.17
J.2				
Value Added Tax - As Evaluated			5% of (G.2+H2+I2)	-
K.1				
Total Unit Cost - As Submitted			(G.1+H1+I1+J1)	1,767.56
K.2				
Total Unit Cost - As Evaluated			(G.2+H2+I2+J2)	-

Prepared by:


JERALD R. BARRERA

Engineer II

Checked/Reviewed


ISIDRA A. ESTANISLAO

Engineer IV

Replacement of Perma Weak Bridges - Diconum Bridge (BR01588MN) at Pilihan - Mutia Road
Zamboanga del Norte
DETAILED UNIT PRICE ANALYSIS

FORM-POW-2015-01D-00

Item No./Description : Portland Cement Concrete Pavement
Unit of Measurement : 2,318.20 sq.m
Output per hour-As Submitted : 57.50
Output per hour-As Evaluated : -

	Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
A.1	Labor				
	a. Construction Foreman	1	1.00	80.95	80.95
	b. Skilled Laborer	4	1.00	58.61	234.44
	c. Laborer	12	1.00	45.16	541.88
					-
					-
					-
	Sub-Total for A-1 As Submitted				857.26
	Labor				
					-
					-
A.2					
	Sub-Total for A-2 As Evaluated				-
B.1	Name and Capacity	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
	Equipment				
	a. Transit Mixer	4	1.00	1,318.00	5,272.00
	b. Concrete Vibrator	2	1.00	91.25	182.50
	c. Concrete Batch Plant	1	1.00	1,759.50	1,759.50
	d. Payloader	1	1.00	1,733.00	1,733.00
	e. Concrete Screeder	1	1.00	545.00	545.00
	f. Water Truck	1	1.00	2,450.00	2,450.00
	g. Concrete Saw	1	1.00	32.63	32.63
	h. Bar Cutter	1	0.10	219.75	21.98
	Minor Tools (5% of Labor Cost)				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				-
F.1	Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
	Materials				
	a. Reinforcing Steel Bar	kg	0.500	43.00	21.50
	b. Curing Compound	ltr	0.290	40.00	11.60
	c. Asphalt Seagant	ltr	0.170	75.00	12.75
	d. Steel Forms	m	0.460	40.00	18.40
	e. Sand	cu.m	0.154	1,323.00	203.74
	f. Gravel	cu.m	0.280	1,357.00	379.96
	g. Cement	bag	2.660	292.51	778.08
	h. Concrete Saw	pc	0.000	8,000.00	1.20
	i. Pipe Sleeve	m	0.008	133.00	1.04
	j. Grease/Tar	ltr	0.008	21.00	0.16
	Sub-Total for F-1 As Submitted				1,428.43
	Materials				
F.2					
	Sub-Total for F-2 As Evaluated				-

G.1	Direct Unit Cost (E.1+F.1) - As Submitted		1,652.72
G.2	Direct Unit Cost (E.2+F.2) - As Evaluated		-
H.1	Overhead, Contingencies & Miscellaneous (OCM) - As Submitted	12%/9%/7%/6% of G.1	165.27
H.2	Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated	12%/9%/7%/6% of G.1	-
I.1	Contractor's Profit - As Submitted	10%/8% of G.1	132.22
I.2	Contractor's Profit - As Evaluated	10%/8% of G.1	-
J.1	Value Added Tax - As Submitted	5% of (G.1+H1+I1)	97.51
J.2	Value Added Tax - As Evaluated	5% of (G.2+H2+I2)	-
K.1	Total Unit Cost - As Submitted	(G.1+H1+I1+J1)	2,047.72
K.2	Total Unit Cost - As Evaluated	(G.2+H2+I2+J1)	-

Prepared by:


JERALD R. BARRERA
Engineer II

Checked/Reviewed


ISIDRA A. ESTANISLAO
Engineer IV

Replacement of Pier at Weak Bridges - Dionum Bridge (BR01589MN) along Zamboanga del Norte - Murta Road
DETAILED UNIT PRICE ANALYSIS

FORM-POW-2015-01D-00

Item No./Description : Precast Concrete Piles, Furnished
 Unit of Measurement : 2,300.00 In.m
 Output per hour-As Submitted : 1.90
 Output per hour-As Evaluated :

	Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
A.1	Labor				
	a. Construction Foreman	1	1.00	80.95	80.95
	b. Skilled Laborer	4	1.00	58.61	234.44
	c. Laborer	8	1.00	45.16	361.25
	Sub-Total for A-1 As Submitted				676.64
	Labor				
A.2	Sub-Total for A-2 As Evaluated				-
	Equipment	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
B.1	a. Payloader	1	0.03	1,733.00	51.99
	b. One Bagger Mixer	1	0.25	172.00	43.00
	c. Concrete Vibrator	1	0.25	91.25	22.81
	d. Water Truck/Pump	1	0.03	2,450.00	73.50
	e. Bar Cutter	1	0.15	219.75	32.96
	f. Bar Bender	1	0.15	351.50	52.73
	g. Plate Compactor	1	0.03	123.00	3.69
	Minor Tools (10% of Labor Cost)				280.68
	Sub-Total for B-1 As Submitted				561.36
	Equipment				
B.2	Sub-Total for B-2 As Evaluated				
C.1	Total (A.1+B.1) - As Submitted				1,238.00
C.2	Total (A.2+B.2) - As Evaluated				-
D.1	Output per Hour - As Submitted				1.90
D.2	Output per Hour - As Evaluated				-
E.1	Direct Unit Cost (C.1 ÷ D.1) - As Submitted				651.58
E.2	Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				-
	Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
F.1	Materials				
	a. Reinforcing Steel	kg	41.64	45.00	1,873.80
	b. Cement	bag	1.66	292.51	485.57
	c. Sand	cu.m	0.09	1,323.00	119.07
	d. Gravel	cu.m	0.18	1,357.00	244.26
	e. Plywood	pc	0.24	853.00	204.72
	f. Good Lumber	bd.ft	12.40	42.00	520.80
	g. #16 GI Tie Wire	kg	0.83	68.00	56.44
	h. Assorted CWN	kg	0.12	58.00	6.96
	Casting Bed				
F.2	a. Cement	bag	0.29	292.51	84.83
	b. Sand	cu.m	0.02	1,323.00	25.14
	c. Gravel	cu.m	0.04	1,357.00	50.21
	d. Good Lumber	bd.ft	1.00	42.00	42.00
	e. Base Course	cu.m	0.08	1,282.00	102.56
	Sub-Total for F-1 As Submitted				3,816.35
	Materials				
	Sub-Total for F-2 As Evaluated				-
G.1	Direct Unit Cost (E.1+F.1) - As Submitted				4,467.93
G.2	Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1	Overhead, Contingencies & Miscellaneous (OCM) - As Submitted			12%/9%/7%/6% of G.1	446.79

H.2	Overhead, Contingencies & Miscellaneous	(M) - As Evaluated	1	17%/6% of G.1	-
I.1	Contractor's Profit - As Submitted			7%/8% of G.1	357.43
I.2	Contractor's Profit - As Evaluated			10%/8% of G.1	-
J.1	Value Added Tax - As Submitted			5% of (G.1+H1+I1)	263.61
J.2	Value Added Tax - As Evaluated			5% of (G.2+H2+I2)	-
K.1	Total Unit Cost - As Submitted			(G.1+H1+I1+J1)	5,535.76
K.2	Total Unit Cost - As Evaluated			(G.2+H2+I2+J1)	-

Prepared by:

Checked/Reviewed


JERALDO R. BARRERA

Engineer II


ISIDORA A. ESTANISLAO

Engineer IV

Replacement of Permanent Weak Bridges - Dionun Bridge (BR01588MN) along San Juan - Mutia Road
Zamboanga del Norte
DETAILED UNIT PRICE ANALYSIS

FORM-POW-2015-01D-00

Item No./Description : Structural Steel Sheet Piles, Furnished

Unit of Measurement : 5,364.00 m

Output per hour-As Submitted : 72.00

Output per hour-As Evaluated : -

	Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (P/p.p.)
	Labor				
	a. Construction Foreman	1	1.00	80.95	80.95
A.1	b. Skilled Laborer	2	1.00	58.61	117.22
	c. Laborer	2	1.00	45.16	90.31
	Sub-Total for A-1 As Submitted				288.48
	Labor				
A.2					
	Sub-Total for A-2 As Evaluated				-
	Name and Capacity	No. of Units	No. of Hour/s	Hourly Rate	Amount (P/p.p.)
B.1	Equipment				
	a. Truck Mounted Crane	1	1.00	3,127.20	3,127.20
	Minor Tools (10% of Labor Cost)				28.85
	Sub-Total for B-1 As Submitted				3,156.05
	Equipment				
B.2					
	Sub-Total for B-2 As Evaluated				
C.1	Total (A.1+B.1) - As Submitted				3,444.53
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				-
E.1	Direct Unit Cost (C.1 ÷ D.1) - As Submitted				47.84
E.2	Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				-
	Name and Specification	Unit	Quantity	Unit Cost	Amount (P/p.p.)
	Materials				
F.1	a. Steel Sheet Pile KSP II (delivered at site)	kg	48.00	50.00	2,400.00
	Miscellaneous (2% of Materials Cost)				48.00
	Sub-Total for F-1 As Submitted				2,448.00
	Materials				
F.2					
	Sub-Total for F-2 As Evaluated				-
G.1	Direct Unit Cost (E.1 + F.1) - As Submitted				2,495.84
G.2	Direct Unit Cost (E.2 + F.2) - As Evaluated				-
H.1	Overhead, Contingencies & Miscellaneous (OCM) - As Submitted			12%/9%/7%/6% of G.1	249.58
H.2	Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated			12%/9%/7%/6% of G.1	-
I.1	Contractor's Profit - As Submitted			10%/8% of G.1	199.67
I.2	Contractor's Profit - As Evaluated			10%/8% of G.1	-
J.1	Value Added Tax - As Submitted			5% of (G.1+H.1+I.1)	147.25
J.2	Value Added Tax - As Evaluated			5% of (G.2+H.2+I.2)	-
K.1	Total Unit Cost - As Submitted			(G.1+H.1+I.1+J.1)	3,092.35
K.2	Total Unit Cost - As Evaluated			(G.2+H.2+I.2+J.2)	-

Prepared by:


JERALD R. BARNERA
Engineer II

Checked/Reviewed


ISIDRA A. ESTANISLAO
Engineer IV

- Structural Steel Sheet Piles, Driven

Unit of Measurement	:	4,986.00	m
Output per hour-As Submitted	:	10.00	
Output per hour-As Evaluated	:	-	

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
Labor				
A.1				
a. Construction Foreman	1	1.00	80.95	80.95
b. Skilled Laborer	6	1.00	58.61	351.65
c. Laborer	6	1.00	45.16	270.94
Sub-Total for A-1 As Submitted				703.54
Labor				
A.2				
				-
Sub-Total for A-2 As Evaluated				-
B.1				
Equipment				
a. Truck Mounted Crane	1	1.00	3,127.20	3,127.20
b. Vibro Hammer	1	1.00	3,069.00	3,069.00
c. Generator Set	1	1.00	2,147.27	2,147.27
d. Welding Machine	1	1.00	539.00	539.00
e. Cutting Outfit	1	0.50	45.45	22.73
Minor Tools (5% of Labor Cost)				35.18
Sub-Total for B-1 As Submitted				8,940.37
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				9,643.91
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				964.39
E.2				
Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				-
F.1				
Materials				
a. Welding Rod	kg	0.02	150.00	3.60
b. Ox//Acetylene	set	0.01	2,500.00	24.00
c. Coco Logs	m	0.18	436.00	78.48
d. Good Lumber	bd.ft	1.55	37.00	57.35
e. Assorted CMN	kg	0.02	78.00	1.56
Miscellaneous (2% of Materials)				3.30
Sub-Total for F-1 As Submitted				168.29
Materials				
F.2				
Sub-Total for F-2 As Evaluated				-
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				1,132.68
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				113.27
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1				
Contractor's Profit - As Submitted				90.61
I.2				
Contractor's Profit - As Evaluated				-
J.1				
Value Added Tax - As Submitted				66.83
J.2				
Value Added Tax - As Evaluated				-
K.1				
Total Unit Cost - As Submitted				1,403.39
K.2				
Total Unit Cost - As Evaluated				-

Prepared by:

Checked/Reviewed

JERALD R. BARRERA
Engineer II

ISIDRA A. ESTANISLAO
Engineer IV


Replacement of Perma Weak Bridges - Dium Bridge (BR01588MN) a Pilian - Mutia Road
Zamboanga del Norte
DETAILED UNIT PRICE ANALYSIS

FORM-POW-2015-01D-00

Item No./Description : Precast Concrete Piles, Driven
Unit of Measurement : 2,185.00 In.m
Output per hour-As Submitted : 1.95
Output per hour-As Evaluated : -

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
Labor				
A.1				
a. Construction Foreman	1	1.00	80.95	80.95
b. Skilled Laborer	6	1.00	58.61	351.65
c. Laborer	6	1.00	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	0.62	2,606.00	1,615.72
b. Diesel Hammer	1	0.41	1,286.00	527.26
c. Drop Hammer	1	0.11	200.00	22.00
d. Cutting Outfit	1	0.16	45.45	7.27
e. Jack Hammer	2	0.16	150.00	48.00
f. Air Compressor	1	0.16	965.00	154.40
Minor Tools (10% of Labor Cost)				70.35
Sub-Total for B-1 As Submitted				2,445.01
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				3,148.55
C.2				
Total (A.2+B.2) - As Evaluated				-
D.1				
Output per Hour - As Submitted				1.95
D.2				
Output per Hour - As Evaluated				-
E.1				
Direct Unit Cost (C.1 ÷ D.1) - As Submitted				1,614.64
E.2				
Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				-
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
Materials				
a. Coco Logs	m	1.00	436.00	436.00
b. Good Lumber	bd.ft	16.00	42.00	672.00
c. Nail/Spike	kg	0.16	65.00	10.40
d. Oxygen/Acetylene	set	0.01	2,500.00	25.00
Miscellaneous (2% of Materials Cost)				32.02
Sub-Total for F-1 As Submitted				1,175.42
Materials				
F.2				
Sub-Total for F-2 As Evaluated				-
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				2,790.05
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted			12%/9%7%/6% of G.1	279.01
H.2			12%/9%/7%/6% of G.1	-
I.1			10%/8% of G.1	223.20
I.2			10%/8% of G.1	-
J.1			5% of (G.1+H1+I1)	164.61
J.2			5% of (G.2+H2+I2)	-
K.1			(G.1+H1+I1+J1)	3,456.88
K.2			(G.2+H2+I2+J2)	-

Prepared by:


JEKALD R. BARRERA
Engineer II

Checked/Reviewed


ISIDRA A. ESTANISLAO
Engineer IV

Replacement of Perma Weak Bridges - Dionum Bridge (BR01588MN) at Pihian - Mukta Road
Zamboanga del Norte
DETAILED UNIT PRICE ANALYSIS

FORM-POW-2015-01D-00

Item No./Description : Test Piles, Furnished and Driven (400mm X 400mm)
Unit of Measurement : 100.00 ln.m
Output per hour-As Submitted : 1.95
Output per hour-As Evaluated : -

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
Labor				
a. Construction Foreman	1	1.00	80.95	80.95
b. Skilled Laborer	6	1.00	58.61	351.65
c. Laborer	6	1.00	45.16	270.94
Sub-Total for A-1 As Submitted				703.54
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	0.62	2,606.00	1,615.72
b. Diesel Hammer	1	0.41	1,286.00	527.26
c. Drop Hammer	1	0.11	200.00	22.00
d. Cutting Outfit	1	0.16	45.45	7.27
e. Jack Hammer	2	0.16	150.00	48.00
f. Air Compressor	1	0.16	965.00	154.40
Minor Tools (10% of Labor Cost)				70.35
Sub-Total for B-1 As Submitted				2,445.01
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				3,148.55
C.2				
Total (A.2+B.2) - As Evaluated				-
D.1				
Output per Hour - As Submitted				1.95
D.2				
Output per Hour - As Evaluated				-
E.1				
Direct Unit Cost (C.1 + D.1) - As Submitted				1,614.64
E.2				
Direct Unit Cost (C.2 + D.2) - As Evaluated				-
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
Materials				
a. Coco Logs	m	2.00	436.00	872.00
b. Good Lumber	bd.ft	16.00	42.00	672.00
c. Nail/Spike	kg	0.16	65.00	10.40
d. Oxygen/Acetylene	set	0.01	2,500.00	25.00
e. Fabricated RC Pile (delivered on site)	m	1.00	1,500.00	1,500.00
Sub-Total for F-1 As Submitted				3,079.40
Materials				
F.2				
Sub-Total for F-2 As Evaluated				-
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				4,694.04
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				469.40
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1				
Contractor's Profit - As Submitted				375.52
I.2				
Contractor's Profit - As Evaluated				-
J.1				
Value Added Tax - As Submitted				276.95
J.2				
Value Added Tax - As Evaluated				-
K.1				
Total Unit Cost - As Submitted				5,815.92
K.2				
Total Unit Cost - As Evaluated				-

Prepared by:

Checked/Reviewed


JERALD R. BARREIRA
Engineer II


ISIDRA A. ESTANISLAO
Engineer IV


Replacement of Perma Weak Bridges - Dionun Bridge (BR01588MN) e Pilián - Mutia Road
Zamboanga del Norte
DETAILED UNIT PRICE ANALYSIS

FORM-POW-2015-01D-00

Item No./Description : Concrete Railing
Unit of Measurement : 240.60 In.m
Output per hour-As Submitted : 0.88
Output per hour-As Evaluated :

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
Labor				
A.1				
a. Construction Foreman	1	1.00	80.95	80.95
b. Skilled Laborer	4	1.00	58.61	234.44
c. Laborer	8	1.00	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	0.12	4,300.00	503.10
b. Reinforcing Steel Bar	kg	30.43	43.00	1,308.66
c. Plywood	pc	0.73	1,380.00	1,000.50
d. Lumber	bd.ft	20.60	42.00	865.20
e. Assorted CWM	kg	0.21	58.00	11.95
f. Tie Wire	kg	0.61	68.00	41.41
g. Oxy/Acetylene	set	0.01	2,500.00	15.00
Sub-Total for F-1 As Submitted				3,745.82
Materials				
F.2				
Sub-Total for F-2 As Evaluated				-
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				4,672.07
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted			12%/9%/7%/6% of G.1	467.21
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated			12%/9%/7%/6% of G.1	-
I.1				
Contractor's Profit - As Submitted			10%/8% of G.1	373.77
I.2				
Contractor's Profit - As Evaluated			10%/8% of G.1	-
J.1				
Value Added Tax - As Submitted			5% of (G.1+H1+I1)	275.65
J.2				
Value Added Tax - As Evaluated			5% of (G.2+H2+I2)	-
K.1				
Total Unit Cost - As Submitted			(G.1+H1+I1+J1)	5,788.69
K.2				
Total Unit Cost - As Evaluated			(G.2+H2+I2+J1)	-

Prepared by:


JERALD R. BARERRA
Engineer II

Checked/Reviewed


ISIDRA A. ESTANISLAO
Engineer IV

Replacement of Perm t Weak Bridges - Dionum Bridge (BR01588MN) 1 Pifan - Nueva Road
Zamboanga del Norte
DETAILED UNIT PRICE ANALYSIS


FORM-POW-2015-01D-00

Item No./Description : Timber Structure (Craneway)
Unit of Measurement : 18.00 span
Output per hour-As Submitted : 1.00
Output per hour-As Evaluated : -

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
Labor				
a. Construction Foreman	1	1.00	80.95	80.95
b. Skilled Laborer	6	1.00	58.61	351.65
c. Laborer	6	1.00	45.16	270.94
Sub-Total for A-1 As Submitted				703.54
Labor				
Sub-Total for A-2 As Evaluated				-
Equipment				
a. Truck Mounted Crane	1	1.00	3,127.20	3,127.20
b. Drop Hammer	1	0.25	5,000.00	1,250.00
c. Cargo Truck	1	0.25	1,212.00	303.00
Minor Tools (10% of Labor Cost)				70.35
Sub-Total for B-1 As Submitted				4,750.55
Equipment				
Sub-Total for B-2 As Evaluated				-
C.1 Total (A.1+B.1) - As Submitted				5,454.10
C.2 Total (A.2+B.2) - As Evaluated				-
D.1 Output per Hour - As Submitted				1.00
D.2 Output per Hour - As Evaluated				-
E.1 Direct Unit Cost (C.1 +D.1) - As Submitted				5,454.10
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	34.17	950.00	32,458.33
b. Coco Lumber - Floor Planks and Running Board	bd.ft	2438.83	15.00	36,582.50
c. 25mm dia. X 400mm mech. Bolts w/ std. nuts washer	kg	10.33	150.00	1,550.00
d. 25mm dia X 500mm steel bar	kg	119.17	40.00	4,766.67
Sub-Total for F-1 As Submitted				75,357.50
Materials				
Sub-Total for F-2 As Evaluated				-
G.1 Direct Unit Cost (E.1+F.1) - As Submitted				80,811.60
G.2 Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1 Overhead, Contingencies & Miscellaneous (OCM) - As Submitted			12%/9%/7%/6% of G.1	8,081.16
H.2 Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated			12%/9%/7%/6% of G.1	-
I.1 Contractor's Profit - As Submitted			10%/8% of G.1	6,464.93
I.2 Contractor's Profit - As Evaluated			10%/8% of G.1	-
J.1 Value Added Tax - As Submitted			5% of (G.1+H.1+I.1)	4,767.88
J.2 Value Added Tax - As Evaluated			5% of (G.2+H.2+I.2)	-
K.1 Total Unit Cost - As Submitted			(G.1+H.1+I.1+J.1)	100,125.57
K.2 Total Unit Cost - As Evaluated			(G.2+H.2+I.2+J.2)	-

Prepared by:

Checked/Reviewed


JERALD R. BARBERA
Engineer II


ISIDRA A. ESTANISLAO
Engineer IV

Replacement of Pier at Weak Bridges - Dionum Bridge (BR01588MN) along in - Mutia Road
Zamboanga del Norte
DETAILED UNIT PRICE ANALYSIS

FORM-POW-2015-01D-00

Item No./Description : Reinforcing Steel (Grade 40)
Unit of Measurement : 22,201.26 kg
Output per hour-As Submitted : 180.00
Output per hour-As Evaluated :

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
Labor				
a. Construction Foreman	1	1.00	80.95	80.95
b. Skilled Laborer	2	1.00	58.61	117.22
c. Laborer	8	1.00	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				
B.1				
Equipment				
a. Bar Cutter	1	0.50	219.50	109.75
b. Bar Bender	1	0.50	351.50	175.75
c. Cargo Truck	1	0.15	1,212.00	181.80
Sub-Total for B-1 As Submitted				467.30
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				1,026.72
C.2				
Total (A.2+B.2) - As Evaluated				-
D.1				
Output per Hour - As Submitted				180.00
D.2				
Output per Hour - As Evaluated				-
E.1				
Direct Unit Cost (C.1 ÷ D.1) - As Submitted				5.70
E.2				
Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				-
F.1				
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
Materials				
a. Tie Wire	kg	0.02	80.00	1.68
b. Reinforcing Steel Bar, Grade 40	kg	1.05	47.00	49.35
Sub-Total for F-1 As Submitted				51.03
Materials				
F.2				
Sub-Total for F-2 As Evaluated				-
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				56.73
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted			12%/9%/7%/6% of G.1	5.67
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated			12%/9%/7%/6% of G.1	-
I.1				
Contractor's Profit - As Submitted			10%/8% of G.1	4.54
I.2				
Contractor's Profit - As Evaluated			10%/8% of G.1	-
J.1				
Value Added Tax - As Submitted			5% of (G.1+H.1+I.1)	3.35
J.2				
Value Added Tax - As Evaluated			5% of (G.2+H.2+I.2)	-
K.1				
Total Unit Cost - As Submitted			(G.1+H.1+I.1+J.1)	70.29
K.2				
Total Unit Cost - As Evaluated			(G.2+H.2+I.2+J.2)	-

Prepared by:


JERALD R. BARNERA
Engineer II

Checked/Reviewed


ISIDRA A. ESTANISLAO
Engineer IV

Replacement of Part at Weak Bridges - Diumum Bridge (BR01588MN) along in - Mutia Road
Zamboanga del Norte
DETAILED UNIT PRICE ANALYSIS

FORM-POW-2015-01D-00

Item No./Description : Reinforcing Steel (Grade 60)


Unit of Measurement : 186,413.56 kg

Output per hour-As Submitted : 180.00

Output per hour-As Evaluated : -

	Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
	Labor				
A.1	a. Construction Foreman	1	1.00	80.95	80.95
	b. Skilled Laborer	2	1.00	58.61	117.22
	c. Laborer	8	1.00	45.16	361.25
					-
					-
	Sub-Total for A-1 As Submitted				559.42
	Labor				-
					-
A.2					-
	Sub-Total for A-2 As Evaluated				-
B.1	Name and Capacity	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
	Equipment				
	a. Bar Cutter	1	0.50	219.50	109.75
	b. Bar Bender	1	0.50	351.50	175.75
	c. Cargo Truck	1	0.15	1,212.00	181.80
	Sub-Total for B-1 As Submitted				467.30
	Equipment				
B.2					
	Sub-Total for B-2 As Evaluated				
C.1	Total (A.1+B.1) - As Submitted				1,026.72
C.2	Total (A.2+B.2) - As Evaluated				-
D.1	Output per Hour - As Submitted				180.00
D.2	Output per Hour - As Evaluated				-
E.1	Direct Unit Cost (C.1 ÷ D.1) - As Submitted				5.70
E.2	Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				-
F.1	Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
	Materials				
	a. Tie Wire	kg	0.02	80.00	1.68
	b. Reinforcing Steel Bar, Grade 60	kg	1.05	49.00	51.45
	Sub-Total for F-1 As Submitted				53.13
	Materials				
F.2					
	Sub-Total for F-2 As Evaluated				-
G.1	Direct Unit Cost (E.1+F.1) - As Submitted				58.83
G.2	Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1	Overhead, Contingencies & Miscellaneous (OCM) - As Submitted			12%/9%/7%/6% of G.1	5.88
H.2	Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated			12%/9%/7%/6% of G.1	-
I.1	Contractor's Profit - As Submitted			10%/8% of G.1	4.71
I.2	Contractor's Profit - As Evaluated			10%/8% of G.1	-
J.1	Value Added Tax - As Submitted			5% of (G.1+H1+I1)	3.47
J.2	Value Added Tax - As Evaluated			5% of (G.2+H2+I2)	-
K.1	Total Unit Cost - As Submitted			(G.1+H1+I1+J1)	72.90
K.2	Total Unit Cost - As Evaluated			(G.2+H2+I2+J2)	-

Prepared by:


JERALD R. BARRERA

Engineer II

Checked/Reviewed


ISIDRA A. ESTANISLAO

Engineer IV

Item No./Description : Structural Concrete, f'c=27.58 Mpa

Unit of Measurement : 1,765.88 cu.m

Output per hour-As Submitted : 1.40

Output per hour-As Evaluated : -

Note: Use Two (2) gang

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
Labor				
a. Construction Foreman	1	1.00	80.95	80.95
b. Skilled Laborer	8	1.00	58.61	468.87
c. Laborer	16	1.00	45.16	722.50
<i>Installation/Removal of Formworks</i>				-
a. Skilled Laborer	8	1.00	58.61	468.87
b. Laborer	16	1.00	45.16	722.50
Sub-Total for A-1 As Submitted				2,463.69
Labor				-
A.2				-
Sub-Total for A-2 As Evaluated				-
Name and Capacity	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
Equipment				
a. One Bagger Mixer	2	1.00	172.00	344.00
b. Concrete Vibrator	2	1.00	91.25	182.50
c. Water Truck/Pump	2	0.10	2,450.00	490.00
Minor Tools (5% of Labor Cost)				123.18
Sub-Total for B-1 As Submitted				1,139.68
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				3,603.38
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				2,573.84
E.2				
Direct Unit Cost (C.2 +D.2) - As Evaluated				-
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
Materials				
a. Lumber, Good	bd.ft	17.50	37.00	647.50
b. Marine Plywood	pc	0.40	1,247.00	498.80
c. Assorted CWN	kg	0.70	78.00	54.60
d. Cement	bag	9.50	292.51	2,778.85
e. Sand	cu.m	0.50	1,323.00	661.50
f. Gravel	cu.m	1.00	1,357.00	1,357.00
Sub-Total for F-1 As Submitted				5,998.25
Materials				
F.2				
Sub-Total for F-2 As Evaluated				-
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				8,572.09
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				857.21
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1				
Contractor's Profit - As Submitted				685.77
I.2				
Contractor's Profit - As Evaluated				-
J.1				
Value Added Tax - As Submitted				505.75
J.2				
Value Added Tax - As Evaluated				-
K.1				
Total Unit Cost - As Submitted				10,620.82
K.2				
Total Unit Cost - As Evaluated				-

Prepared by:

Checked/Reviewed

JERALD R. BARRERA
Engineer II

ISIDRA A. ESTANISLAO
Engineer IV


Replacement of Perme Weak Bridges - Dionun Bridge (BR01589MN) e
Zamboanga del Norte
DETAILED UNIT PRICE ANALYSIS
Pitan - Mutia Road

FORM-POW-2015-01D-00


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

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
Labor				
a. Construction Foreman	1	3.50	80.95	283.33
b. Skilled Laborer	4	3.50	58.61	820.52
Sub-Total for A-1 As Submitted				1,103.85
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. Crawler Crane	2	3.50	2,151.00	15,057.00
b. Dolly	1	3.50	1,249.00	4,371.50
Minor Tools (10% of Labor Cost)				110.39
Sub-Total for B-1 As Submitted				19,538.89
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				20,642.74
C.2				
Total (A.2+B.2) - As Evaluated				-
D.1				
Output per Hour - As Submitted				1.00
D.2				
Output per Hour - As Evaluated				-
E.1				
Direct Unit Cost (C.1 ÷ D.1) - As Submitted				20,642.74
E.2				
Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				-
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
Materials				
a. PSCG Type IV-B	m	30.00	27,000.00	810,000.00
F.1				
Sub-Total for F-1 As Submitted				810,000.00
Materials				
F.2				
Sub-Total for F-2 As Evaluated				-
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				830,642.74
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted			12%/9%/7%/6% of G.1	83,064.27
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated			12%/9%/7%/6% of G.1	-
I.1				
Contractor's Profit - As Submitted			10%/8% of G.1	66,451.42
I.2				
Contractor's Profit - As Evaluated			10%/8% of G.1	-
J.1				
Value Added Tax - As Submitted			5% of (G.1+H.1+I.1)	49,007.92
J.2				
Value Added Tax - As Evaluated			5% of (G.2+H.2+I.2)	-
K.1				
Total Unit Cost - As Submitted			(G.1+H.1+I.1+J.1)	1,029,166.35
K.2				
Total Unit Cost - As Evaluated			(G.2+H.2+I.2+J.1)	-

Prepared by:


JERALD R. BARRERA
Engineer II

Checked/Reviewed


ISIDRA A. ESTANISLAO
Engineer IV

Zamboanga del Norte

Item No./Description : Lean Concrete for RCBC

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
Labor				
A.1				
a. Construction Foreman	1	1.00	80.95	80.95
b. Skilled Laborer	4	1.00	58.61	234.44
c. Laborer	8	1.00	45.16	361.25
Sub-Total for A-1 As Submitted				676.64
Labor				
A.2				
				-
Sub-Total for A-2 As Evaluated				-
B.1				
Equipment				
a. One Bagger Mixer	1	1.00	172.00	172.00
b. Concrete Vibrator	1	1.00	91.25	91.25
c. Water Truck/Pump	1	0.10	2,450.00	245.00
Minor Tools (5% of Labor Cost)				33.83
Sub-Total for B-1 As Submitted				542.08
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				1,218.72
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				870.51
E.2				
Direct Unit Cost (C.2 +D.2) - As Evaluated				-
F.1				
Materials				
a. Lumber, Good	bd ft	17.50	37.00	647.50
b. Marine Plywood	pc	0.40	790.00	316.00
c. Assorted CWM	kg	0.70	76.00	53.20
d. Cement	bag	9.50	292.51	2,778.85
e. Sand	cu.m	0.50	1,323.00	661.50
f. Gravel	cu.m	1.00	1,357.00	1,357.00
Sub-Total for F-1 As Submitted				5,814.05
Materials				
F.2				
Sub-Total for F-2 As Evaluated				-
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				6,684.56
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				668.46
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1				
Contractor's Profit - As Submitted				534.77
I.2				
Contractor's Profit - As Evaluated				-
J.1				
Value Added Tax - As Submitted				394.39
J.2				
Value Added Tax - As Evaluated				-
K.1				
Total Unit Cost - As Submitted				8,282.17
K.2				
Total Unit Cost - As Evaluated				-

ISIDRA A. ESTANISLAO
Engineer IV

Engineer IV

Replacement of Perme Weak Bridges - Dionun Bridge (BR01588MN) a Piñan - Mutia Road
Zamboanga del Norte
DETAILED UNIT PRICE ANALYSIS

FORM-POW-2015-01D-00

Item No./Description : Elastomeric Bearing Pads

Unit of Measurement : 16.00 each

Output per hour-As Submitted : 1.00

Output per hour-As Evaluated : -

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
Labor				
a. Construction Foreman	1	0.25	80.95	20.24
b. Laborer	2	0.25	58.61	29.30
Sub-Total for A-1 As Submitted				49.54
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. Wood/Steel Ladder	1	1.00	500.00	500.00
Sub-Total for B-1 As Submitted				500.00
Equipment				
Sub-Total for B-2 As Evaluated				
B.2				
Total (A.1+B.1) - As Submitted				549.54
C.2				
Total (A.2+B.2) - As Evaluated				-
D.1				
Output per Hour - As Submitted				1.00
D.2				
Output per Hour - As Evaluated				-
E.1				
Direct Unit Cost (C.1 ÷ D.1) - As Submitted				549.54
E.2				
Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				-
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
Materials				
a. Elastomeric Bearing Pad	each	1.00	10,100.00	10,100.00
Sub-Total for F-1 As Submitted				10,100.00
Materials				
Sub-Total for F-2 As Evaluated				-
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				10,649.54
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted			12%/9%/7%/6% of G.1	1,064.95
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated			12%/9%/7%/6% of G.1	-
I.1				
Contractor's Profit - As Submitted			10%/8% of G.1	851.96
I.2				
Contractor's Profit - As Evaluated			10%/8% of G.1	-
J.1				
Value Added Tax - As Submitted			5% of (G.1+H1+I1)	628.32
J.2				
Value Added Tax - As Evaluated			5% of (G.2+H2+I2)	-
K.1				
Total Unit Cost - As Submitted			(G.1+H1+I1+J1)	13,194.78
K.2				
Total Unit Cost - As Evaluated			(G.2+H2+I2+J2)	-

Prepared by:

Checked/Reviewed


JERALD R. BARRERA
Engineer II


ISIDRA A. ESTANISLAO
Engineer IV

Replacement of Perm t Weak Bridges - Dionun Bridge (BR01588MN) j Pilián - Mutia Road
Zamboanga del Norte
DETAILED UNIT PRICE ANALYSIS

FORM-POW-2015-01D-00

Item No./Description : Expansion Dam for Bridges (Steel)

Unit of Measurement : 3.00 set
Output per hour-As Submitted : 0.01
Output per hour-As Evaluated : -

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
Labor				
a. Construction Foreman	1	1.00	80.95	80.95
b. Skilled Laborer	6	1.00	58.61	351.65
c. Laborer	6	1.00	45.16	270.94
Sub-Total for A-1 As Submitted				703.54
Labor				
Sub-Total for A-2 As Evaluated				-
Equipment				
a. Truck Mounted Crane	1	1.00	2,606.00	2,606.00
b. Welding Machine	2	0.33	539.00	355.74
c. Cutting Outfit	2	0.33	45.45	30.00
Minor Tools (10% of Labor Cost)				35.18
Sub-Total for B-1 As Submitted				3,026.91
Equipment				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				3,730.46
C.2 Total (A.2+B.2) - As Evaluated				-
D.1 Output per Hour - As Submitted				0.01
D.2 Output per Hour - As Evaluated				-
E.1 Direct Unit Cost (C.1 +D.1) - As Submitted				373,045.53
E.2 Direct Unit Cost (C.2 +D.2) - As Evaluated				-
Materials				
a. Structural Steel - MS Plate	kg	899.22	47.00	42,263.22
b. Structural Steel - Angular Bar	kg	446.51	48.00	21,432.36
c. 20 mm Plain (Rod) Bar	kg	25.44	40.00	1,017.40
d. Welding Rod	kg	0.75	166.00	124.50
e. Oxy/Acetylene	set	0.50	2,500.00	1,250.00
Miscellaneous (5% of Materials)				3,304.37
Sub-Total for F-1 As Submitted				69,391.86
Materials				
Sub-Total for F-2 As Evaluated				-
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				442,437.39
G.2 Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				44,243.74
H.2 Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1				
Contractor's Profit - As Submitted				35,394.99
I.2 Contractor's Profit - As Evaluated				-
J.1				
Value Added Tax - As Submitted				26,103.81
J.2 Value Added Tax - As Evaluated				-
K.1				
Total Unit Cost - As Submitted				548,179.92
K.2 Total Unit Cost - As Evaluated				-

Prepared by:

Checked/Reviewed


JERARD R. BARRENA
Engineer II


ISIDRA A. ESTANISLAO
Engineer IV

t Weak Bridges - Dionum Bridge
Zamboanga del Norte

Item No./Description	:	Forms and Falsework
-----------------------------	----------	----------------------------

1.00 15
1.00
1.00

	Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
	Labor				
A.1	a. Construction Foreman	1	1.00	80.95	80.95
	b. Skilled Laborer	15	1.00	58.61	879.13
	c. Laborer	15	1.00	45.16	677.34
	Sub-Total for A-1 As Submitted				1,637.43
	Labor				
A.2					-
					-
	Sub-Total for A-2 As Evaluated				-
B.1	Name and Capacity	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
	Equipment				
	a. Cutting Outfit (Installation)	1	0.67	45.45	30.45
	b. Dumptruck (Removal)	3	0.67	1,420.00	2,854.20
	Minor Tools (10% of Labor Cost)				163.74
	Sub-Total for B-1 As Submitted				3,048.39
	Equipment				
B.2					
	Sub-Total for B-2 As Evaluated				
C.1	Total (A.1+B.1) - As Submitted				4,685.82
C.2	Total (A.2+B.2) - As Evaluated				-
D.1	Output per Hour - As Submitted				1.00
D.2	Output per Hour - As Evaluated				-
E.1	Direct Unit Cost (C.1 +D.1) - As Submitted				4,685.82
E.2	Direct Unit Cost (C.2 +D.2) - As Evaluated				-
F.1	Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
	Materials				
	a. Steel Scaffoldings	Is	1.00	200,000.00	200,000.00
	Miscellaneous (5% of Materials Cost)				10,000.00
					-
					-
					-
	Sub-Total for F-1 As Submitted				210,000.00
	Materials				
F.2					
	Sub-Total for F-2 As Evaluated				-
G.1	Direct Unit Cost (E.1+F.1) - As Submitted				214,685.82
G.2	Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1	Overhead, Contingencies & Miscellaneous (OCM) - As Submitted			12%/9%/7%/6% of G.1	21,468.58
H.2	Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated			12%/9%/7%/6% of G.1	-
I.1	Contractor's Profit - As Submitted			10%/8% of G.1	17,174.87
I.2	Contractor's Profit - As Evaluated			10%/8% of G.1	-
J.1	Value Added Tax - As Submitted			5% of (G.1+H.1+I.1)	12,666.46
J.2	Value Added Tax - As Evaluated			5% of (G.2+H.2+I.2)	-
K.1	Total Unit Cost - As Submitted			(G.1+H.1+I.1+J.1)	265,995.73
K.2	Total Unit Cost - As Evaluated			(G.2+H.2+I.2+J.1)	-

ISIDRA A. ESTANISLAO
Engineer IV

Engineer IV

Item No./Description : Grouted Riprap, Class "A"
 Unit of Measurement : 2,881.08 cu.m
 Output per hour-As Submitted : 1.25
 Output per hour-As Evaluated : -

Note: Use Two (2) gang

	Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
	Labor				
A.1	a. Construction Foreman	1	1.00	80.95	80.95
	b. Skilled Laborer	4	1.00	58.61	234.44
	c. Laborer	16	1.00	45.16	722.50
	Sub-Total for A-1 As Submitted				1,037.89
	Labor				
A.2					
	Sub-Total for A-2 As Evaluated				-
	Name and Capacity	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
B.1	Equipment				
	a. One Bagger Mixer	2	1.00	172.00	344.00
	b. Water Truck/Pump	2	0.05	2,450.00	245.00
	Minor Tools (10% of Labor Cost)				103.79
	Sub-Total for B-1 As Submitted				692.79
	Equipment				
B.2					
	Sub-Total for B-2 As Evaluated				
C.1	Total (A.1+B.1) - As Submitted				1,730.67
C.2	Total (A.2+B.2) - As Evaluated				-
D.1	Output per Hour - As Submitted				1.25
D.2	Output per Hour - As Evaluated				-
E.1	Direct Unit Cost (C.1 ÷ D.1) - As Submitted				1,384.54
E.2	Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				-
	Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
F.1	Materials				
	a. Portland Cement	bag	2.50	292.51	731.28
	b. Sand	cu.m	0.21	1,323.00	277.83
	c. Gravel Fill	cu.m	0.02	1,357.00	20.36
	d. Weep Holes	m	0.30	133.00	39.90
	e. Filter Cloth	sq.m	0.02	160.00	2.40
	f. Boulder	cu.m	1.05	1,481.00	1,555.05
	Miscellaneous (1% of Materials Cost)				26.27
	Sub-Total for F-1 As Submitted				2,653.08
	Materials				
F.2					
	Sub-Total for F-2 As Evaluated				-
G.1	Direct Unit Cost (E.1+F.1) - As Submitted				4,037.62
G.2	Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1	Overhead, Contingencies & Miscellaneous (OCM) - As Submitted			12%/9%/7%/6% of G.1	403.76
H.2	Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated			12%/9%/7%/6% of G.1	-
I.1	Contractor's Profit - As Submitted			10%/8% of G.1	323.01
I.2	Contractor's Profit - As Evaluated			10%/8% of G.1	-
J.1	Value Added Tax - As Submitted			5% of (G.1+H.1+I.1)	238.22
J.2	Value Added Tax - As Evaluated			5% of (G.2+H.2+I.2)	-
K.1	Total Unit Cost - As Submitted			(G.1+H.1+I.1+J.1)	5,002.61
K.2	Total Unit Cost - As Evaluated			(G.2+H.2+I.2+J.2)	-

Prepared by:

Checked/Reviewed

JERALD R. BARRERA
 Engineer II

ISIDRA A. ESTANISLAO
 Engineer IV

Item No./Description : Handfield Rock Embankment
 Unit of Measurement : 8,466.20 cu.m
 Output per hour-As Submitted : 3.13
 Output per hour-As Evaluated : -

Note: Use Five (5) gang

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
Labor				
a. Construction Foreman	1	1.00	80.95	80.95
b. Skilled Laborer	10	1.00	58.61	586.09
c. Laborer	40	1.00	45.16	1,806.25
Sub-Total for A-1 As Submitted				2,473.29
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				
Minor Tools (10% of Labor Cost)				247.33
Sub-Total for B-1 As Submitted				247.33
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				2,720.62
C.2				
Total (A.2+B.2) - As Evaluated				-
D.1				
Output per Hour - As Submitted				1.60
D.2				
Output per Hour - As Evaluated				-
E.1				
Direct Unit Cost (C.1 +D.1) - As Submitted				1,700.39
E.2				
Direct Unit Cost (C.2 +D.2) - As Evaluated				-
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
Materials				
a. Boulders	cu.m	1.05	1,481.00	1,555.05
F.1				
Sub-Total for F-1 As Submitted				1,555.05
Materials				
F.2				
Sub-Total for F-2 As Evaluated				-
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				3,255.44
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted			12%/9%/7%/6% of G.1	325.54
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated			12%/9%/7%/6% of G.1	-
I.1				
Contractor's Profit - As Submitted			10%/8% of G.1	260.43
I.2				
Contractor's Profit - As Evaluated			10%/8% of G.1	-
J.1				
Value Added Tax - As Submitted			5% of (G.1+H1+I1)	192.07
J.2				
Value Added Tax - As Evaluated			5% of (G.2+H2+I2)	-
K.1				
Total Unit Cost - As Submitted			(G.1+H1+I1+J1)	4,033.49
K.2				
Total Unit Cost - As Evaluated			(G.2+H2+I2+J2)	-

Prepared by:


 JERALD R. BARRERA
 Engineer II

Checked/Reviewed


 ISIDRA A. ESTANISLAO
 Engineer IV

Replacement of Perm t Week Bridges - Dionum Bridge (BR01588MN) J Pisan - Mutia Road
Zamboanga del Norte
DETAILED UNIT PRICE ANALYSIS

FORM-POW-2015-01D-00

Item No./Description : Reflectorized Thermoplastic Pavement Markings (White)


Unit of Measurement : 96.00 sq.m
Output per hour-As Submitted : 25.00
Output per hour-As Evaluated : -

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
Labor				
a. Construction Foreman	1	1.00	80.95	80.95
b. Skilled laborer	2	1.00	58.61	117.22
c. Laborer	6	1.00	45.16	270.94
Sub-Total for A-1 As Submitted				469.11
Labor				
A.2				
Sub-Total for A-2 As Evaluated				-
Equipment				
a. Cargo Truck/Delivery Truck	1	1.00	1,212.00	1,212.00
b. Applicator Machine	1	1.00	93.75	93.75
c. Kneading Machine	1	1.00	187.50	187.50
Minor Tools (10% of Labor Cost)				46.91
Sub-Total for B-1 As Submitted				1,540.16
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				2,009.27
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				80.37
E.2				
Direct Unit Cost (C.2 +D.2) - As Evaluated				-
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	ltr	0.12	180.00	21.60
d. LPG (50kg)	cyl	0.00	90.00	0.36
e. LPG (12 kg)	cyl	0.00	50.00	0.10
f. Calsunline	kg	0.13	5.00	0.63
Miscellaneous (5% of Materials Cost)				31.02
Sub-Total for F-1 As Submitted				651.33
Materials				
F.2				
Sub-Total for F-2 As Evaluated				-
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				731.70
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted			120%/90%/70%/60% of G.1	73.17
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated			120%/90%/70%/60% of G.1	-
I.1				
Contractor's Profit - As Submitted			100%/80% of G.1	58.54
I.2				
Contractor's Profit - As Evaluated			100%/80% of G.1	-
J.1				
Value Added Tax - As Submitted			5% of (G.1+H1+I1)	43.17
J.2				
Value Added Tax - As Evaluated			5% of (G.2+H2+I2)	-
K.1				
Total Unit Cost - As Submitted			(G.1+H1+I1+J1)	906.57
K.2				
Total Unit Cost - As Evaluated			(G.2+H2+I2+J1)	-

Prepared by:


JERALD R. BARBERA
Engineer II

Checked/Reviewed


ISIDRA A. ESTANISLAO
Engineer IV

Unit of Measurement	:	72.00	sq.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. Construction Foreman		1	1.00	80.95	80.95
b. Skilled Laborer		2	1.00	58.61	117.22
c. Laborer		6	1.00	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/Delivery Truck		1	1.00	1,212.00	1,212.00
b. Applicator Machine		1	1.00	93.75	93.75
c. Kneading Machine		1	1.00	187.50	187.50
Minor Tools (10% of Labor Cost)					46.91
Sub-Total for B-1 As Submitted					1,540.16
Equipment					
Sub-Total for B-2 As Evaluated					
Total (A.1+B.1) - As Submitted					2,009.27
Total (A.2+B.2) - As Evaluated					-
Output per Hour - As Submitted					50.00
Output per Hour - As Evaluated					-
Direct Unit Cost (C.1 + D.1) - As Submitted					40.19
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	1,585.00	515.13
b. Glass Beads		bag	0.03	2,500.00	82.50
c. Primer		ltr	0.12	180.00	21.60
d. LPG (50kg)		cyl	0.00	90.00	0.36
e. LPG (12 kg)		cyl	0.00	50.00	0.10
f. Calumline		kg	0.13	5.00	0.63
Miscellaneous (5% of Materials Cost)					31.02
Sub-Total for F-1 As Submitted					651.33
Materials					
Sub-Total for F-2 As Evaluated					-
Direct Unit Cost (E.1+F.1) - As Submitted					691.51
Direct Unit Cost (E.2+F.2) - As Evaluated					-
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				12%/9%/7%/6% of G.1	69.15
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				12%/9%/7%/6% of G.1	-
Contractor's Profit - As Submitted				10%/8% of G.1	55.32
Contractor's Profit - As Evaluated				10%/8% of G.1	-
Value Added Tax - As Submitted				5% of (G.1+H1+I1)	40.80
Value Added Tax - As Evaluated				5% of (G.2+H2+I2)	-
Total Unit Cost - As Submitted				(G.1+H1+I1+J1)	856.78
Total Unit Cost - As Evaluated				(G.2+H2+I2+J1)	-

Checked/Reviewed

Isidra A. Estanislao
ISIDRA A. ESTANISLAO
Engineer IV

Engineer IV

UNIT COST ANALYSIS FOR HAULING COST FOR ALL AGGREGATES

Hauling Cost from the District Office to Site

Item No : ALL AGGREGATES
Quantity : 1,000.00

Terrain Unit : Flat to Rolling
Hauling Distance : 5.00 km.
Effective Working Hours : 8.00 hrs.

Hauling : Using 10.00 cu.m. capacity Dumpttruck
Weight of Dumpttruck (cap. 10.00 cu.m.) : 16,000.00 kgs
Unit Weight of Fine Aggrgates : 1,640.00 kg/cu.m.
Unit Weight of Course Aggrgates : 1,534.00 kg/cu.m.

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

* Dumpttruck (10 Wheeler) days computation : **TIME-MOTION ANALYSIS**
Speed when loaded : 30.00 kph
Speed when unloaded : 40.00 kph

$$\text{Loaded Running} = \frac{5.00 \times 60.00}{30.00} = 10 \text{ mins.}$$

$$\text{Unloaded Running} = \frac{5.00 \times 60.00}{40.00} = 7.5 \text{ mins.}$$

Loading & Unloading = 5.00 mins.
Capacity of Dumpttruck = 10.00 cu.m.
Total Cycle Time = 22.50 mins.

$$\text{No. of trips for Dumpttruck per day} = \frac{8.00 \times 60.00}{22.50} = 21.33 \text{ trips}$$

Dumpttruck Daily Output = 10.00 X 21.33 = 213.33 cu.m.
Using 4 Dumpttruck = 213.33 X 4.00 = 853.33 cu.m.

$$\text{No. of Days for Dumpttruck} = \frac{1,000.00}{853.33} = 1.17 \text{ days}$$

EQUIPMENT USED: (2009 ACCEL RATES)

4.00 - Unit Dumpttruck @ P 10,816.00 / day X 1.17 days = P 50,700.00
Sub-Total P 50,700.00

Estimated Quantity = 1,000.00 cu.m.
Unit Cost P 10.14 /cu.m/km. (unit cost hauling per cu.m. per km.)
Grand Total P 50,700.00
Equipment P 50,700.00
Labor P
Equipment P

ZAMBOANGA DEL NORTE 3RD DEO (using 3rd Quarter 2018)

	Hauling Distance	Unit Cost per cu.m/km	Hauling Cost per km.	Unit Price	Unit cost per cu.m.
Cost of Fine Aggregates	50.00	X 10.14	= 507.00	+ 816.00	= 1,323.00
Cost of Coarse Aggregates	50.00	X 10.14	= 507.00	+ 850.00	= 1,357.00
Cost of Item 200 Materials	50.00	X 10.14	= 507.00	+ 650.00	= 1,157.00
Cost of Item 201 Materials	50.00	X 10.14	= 507.00	+ 650.00	= 1,157.00
Cost of Item 300 Materials	50.00	X 10.14	= 507.00	+ 775.00	= 1,282.00
Cost of Boulders	50.00	X 10.14	= 507.00	+ 974.00	= 1,481.00
Cost of Embankment, Common Borrow	10.00	X 10.14	= 101.40	+ 340.00	= 441.40
Cost of Embankment, Selected Borrow	10.00	X 10.14	= 101.40	+ 500.00	= 601.40

UNIT COST DERIVATION FOR PORTLAND CEMENT

TOTAL QUANTITY REQUIREMENTS FOR PORTLAND CEMENT

Description	Quantity (Bags)
Portland Cement Concrete Pavement	-
Portland Cement Concrete Pavement	6,166.41
Structural Concrete, $f_c'=27.58$ Mpa	16,775.86
Lean Concrete for RCBC	231.90
Precast Concrete Piles, Furnished	95,772.00
Precast Concrete Piles, Driven	2,185.00
Grouted Riprap, Class "A"	7,202.70
Stone Masonry	-
TOTAL	128,333.87

Quantity = 128,333.87 Bags

Delivery Charge = P 0.12 /bag/km

SITE	HAULING DISTANCE
Zamboanga del Sur 2nd DEO	
PROJECT SITE	55.00

* Average Hauling Distance from source to assumed stockpiling area:
say 55.00 km.

Delivery Charge = P 0.12 X 55.00
Delivery Charge = P 6.60 /bag

* Delivery Truck : 128,333.87 bags (hauling works)
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 = $\frac{55.00 \times 60.00}{30.00}$ = 110 mins.

Unloading Running = $\frac{55.00 \times 60.00}{40.00}$ = 82.5 mins.

Loading & Unloading = 45.00 mins.
Capacity of Dumptruck = 8.00 cu.m.

Total Cycle Time = 500.00 bags
= 237.50 mins.

$$\text{No. of trips for Dumptruck per day} = \frac{8.00 \times 60.00}{237.50} = 2.02 \text{ trips}$$

$$\begin{array}{lclcl} \text{Dumptruck Daily Output} & = & 500.00 & \times & 2.02 & = & 1,010.53 & \text{cu.m.} \\ \text{Using 4 Dumptruck} & = & 1,010.53 & \times & 4.00 & = & 4,042.11 & \text{cu.m.} \end{array}$$

$$\text{No. of Days for Dumptruck} = \frac{128,333.87}{4,042.11} = 31.75 \text{ days}$$

$$\begin{array}{lclcl} \text{No. of Days for Labor for unloading} & = & \text{complimentary to D.Truck days} & = & 31.75 \text{ days} \end{array}$$

DELIVERY COST:

$$128,333.87 \text{ Bags, Portland Cement} @ \text{ P } 6.60 \text{ /bag} = \text{ P } \underline{847,003.52}$$

Sub-total

LABOR:

1 Foreman	@	P 558.00 /day	X	31.75 days	=	P 17,716.09
10 Laborers	@	P 312.24 /day	X	31.75 days	=	P 99,133.90
Sub-total						<u>116,849.99</u>

MATERIALS:

$$128,333.87 \text{ Bags, Portland Cement} @ \text{ P } 285.00 \text{ /bag} = \text{ P } \underline{36,575,152.10}$$

Sub-total

Estimated Quantity : 128,333.87 Bags

Unit Cost	P	292.51
Grand Total	P	37,539,005.61
Delivery Cost	P	847,003.52
Labor	P	116,849.99
Materials	P	36,575,152.10