



REGION IX

PROGRAM OF WORK/BUDGET COST

FORM POW-2015-01-00

Project : Network Development - Road Widening - Primary Roads - Lanao-Pagadian-Zamboanga City Road, Zamboanga Sibugay

Net Length : (a) Road 1,478.05 In.m 1.48 km

(b) Bridge

(c) Others

Project ID :

Target Start Date :

Location : Zamboanga Sibugay

Total Project Duration : 486 Calendar Days

Station Limits : K 1817+700.00 - K 1819+220.00 Exceptions: Silingan Bridge (K1817+825.06 - K1817+867.01)

No. of Pre-determined : 108 Calendar Days

Source of Funds : CY-2019

Unworkable Days : 54 Calendar Days

DESCRIPTION OF WORKS TO BE DONE	QUANTITY	UNIT	AS SUBMITTED		AS EVALUATED	
			% TOTAL	TOTAL DIRECT COST	% TOTAL	TOTAL DIRECT COST
PART A: Facilities for the Engineers			2.33%	1,852,221.79		
B: Other General Requirements			4.90%	3,897,035.66		
C: Earthworks			6.03%	4,801,818.95		
D: Subbase and Base Course			11.99%	9,543,393.49		
E: Surface Courses			27.21%	21,648,454.41		
F: Bridge Construction			0.00%	-		
G: Drainage and Slope Protection Structures			32.32%	25,720,621.16		
H: Miscellaneous Structure			1.97%	1,567,214.72		
I: Electrical			13.25%	10,542,324.03		

EQUIPMENT:

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

BREAKDOWN OF EXPENDITURES:

	AS SUBMITTED	AS EVALUATED
1. Labor	5,726,289.09	
2. Materials	59,015,657.38	
3. Rental of Equipment	14,831,137.74	
4. Provisional Sum/Daywork	-	
5. OCM and Profit	13,634,083.73	
6. Value Added Tax	4,660,358.40	
7. EAO, 3.5%	3,425,363.42	
8. RROW Acquisition	6,000,000.00	
9. Physical Reseved (Contingency)	707,110.24	
10. TOTAL ESTIMATED COST	108,000,000.00	

	AS SUBMITTED	AS EVALUATED
A. Total Direct Cost	79,573,084.21	
B. OCM and Profit	13,634,083.73	
C. Value Added Tax	4,660,358.40	
D. Total Construction Cost	-	
E. Eng'g. & Administrative Overhead	3,425,363.42	
F. RROW Acquisition	6,000,000.00	
G. Physical Reserved (Contingency)	707,110.24	
H. TOTAL ESTIMATED COST	108,000,000.00	

Preparation and Submission:

Prepared by:

MICHAEL D. TORINO
Engineer II
DPWH RO9

Checked/Submitted by:

ISIDRA A. ESTANISLAO
Engineer IV-Chairman Estimating Committee
DPWH RO9

Evaluation:

Reviewed by:

SATURNINO C. TORREFRANCA
District Engineer
DPWH RO9

Approval:

Recommending Approval:

KHADAFFY D. TANGGOL
OIC-Assistant Regional Director
DPWH RO9

Approved:

CAYAMBABO D. DIA
Regional Director
DPWH RO9

for Modification
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Network Development - Road Widening - Primary Roads - Lanao-Pagadian-Zamboanga City Road, Zamboanga Sibugay
Zamboanga Sibugay

FORM POW-2015-01A-00

ITEMIZED BREAKDOWN

ITEM NO.	DESCRIPTION	QUANTITY		UNIT	DIRECT COST				TOTAL UNIT COST		% DIRECT COST
		AS SUBMITTED	AS EVALUATED		TOTAL		UNIT COST		TOTAL		AS EVALUATED
					AS SUBMITTED	AS EVALUATED	AS SUBMITTED	AS EVALUATED	AS SUBMITTED	AS EVALUATED	
PART A	Facilities for the Engineers										
A.1.1 (3)	Const. of Field Office for the Engineer	1.00		ls	811,307.91		811,307.91		1,005,210.50		1.02%
A.1.1 (11)	Prov. Of Furniture, Equipment, & Appliance for Field Engineer	1.00		ls	250,000.00		250,000.00		262,500.00		0.31%
A.1.2 (5)	Operation & Maintenance of Gov't. Service Vehicles	1.00		ls	817,913.88		817,913.88		858,809.57		1.03%
	TOTAL OF PART A				1,879,221.79						2.36%
PART B	Other General Requirements										
B.4(1)	Construction Survey and Staking	1.48		km	77,566.80		52,479.14		65,021.66		0.10%
B.5	Project Billboard	4.00		unit	13,333.93		3,333.48		4,130.18		0.02%
B.7	Occupational Safety & Health Program	1.00		ls	576,478.73		576,478.73		1,945,930.62		0.72%
B.8	Traffic Management	1.00		ls	1,715,988.20		1,715,988.20		-		2.16%
B.9	Mobilization & Demobilization	1.00		ls	1,513,668.00		1,513,668.00		1,589,351.40		1.90%
	TOTAL OF PART B				3,897,035.66						4.90%
PART C	Earthworks										
101(4a1)	Removal of Structures/Obstruction (Existing RCPC)	28.00		ln.m	11,365.15		405.90		502.91		0.01%
101(6)	Removal of Structures/Obstruction (Concrete)	119.50		cu.m	43,348.85		362.75		449.45		0.05%
101(3b)5	Removal of Structures/Obstruction (Existing PCCP)	20.00		sq.m	2,364.42		118.22		146.48		0.00%
101(8)	Removal of Existing Guardrails	122.50		ln.m	19,519.60		159.34		197.43		0.02%
101(9)	Removal of Existing Guardrail Post	51.00		each	15,954.18		312.83		387.59		0.02%
102(2)	Surplus Common Excavation	15,521.50		cu.m	2,284,272.72		147.17		182.34		2.87%
102(3)b	Surplus Rock Excavation	2,502.50		cu.m	594,389.26		237.52		182.34		0.75%
103(1)a	Structure Excavation	60.00		cu.m	9,585.19		159.75		197.93		0.01%
103(3)	Foundation Fill	13.00		cu.m	20,066.96		1,543.61		1,912.54		0.03%
103(6)a	Pipe Culverts and Drain Excavation	266.00		cu.m	61,380.32		230.75		285.90		0.08%
104(1a)	Embankment from Roadway Excavation	6,338.00		cu.m	1,463,453.41		230.90		286.09		1.84%
105(1a)	Subgrade Preparation	17,247.50		sq.m	276,118.89		16.01		19.84		0.35%
	TOTAL OF PART C				4,801,818.95						6.03%
PART D	Subbase and Base Course										
200(1)	Aggregate Subbase Course	7,389.50		cu.m	9,543,393.49		1,291.48		1,600.14		11.99%

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
	TOTAL OF PART D				9,543,393.49						11.99%
PART E	Surface Courses										
311(1a)	Portland Cement Concrete Pavement	8,091.50		sq.m	6,706,533.96		828.84		1,026.93		8.43%
311(1e1)	Portland Cement Concrete Pavement	9,903.00		sq.m	14,941,920.45		1,508.83		1,869.44		18.77%
	TOTAL OF PART E				21,648,454.41						27.20%
PART G	Drainage and Slope Protection Structures										
404(1)a	Reinforcing Steel (Grade 40)	151,559.50		kg	7,719,656.82		50.93		63.11		9.70%
404(1)b	Reinforcing Steel (Grade 60)	533.50		kg	28,294.08		53.03		65.71		0.04%
405(1)a3	Structural Concrete, Class A	1,914.00		cu.m	12,786,572.64		6,680.55		8,277.20		16.06%
500(1)b3	Reinforced Concrete Culverts Pipe, 910 mm dia	1,497.00		ln.m	4,958,948.67		3,312.59		4,104.30		6.23%
500(1)b5	Reinforced Concrete Culverts Pipe, 1220 mm dia	-		ln.m	-		#DIV/0!		#DIV/0!		0.00%
505(5)	Grouted Riprap, Class "A"	18.50		cu.m	58,655.15		3,170.55		3,928.31		0.07%
506(1)	Stone Masonry	43.00		cu.m	168,493.80		3,918.46		4,854.97		0.21%
	TOTAL OF PART G				25,720,621.16						32.31%
PART H	Miscellaneous Structure										
600(4)	Concrete Curb & Gutter	1,466.50		ln.m	1,161,354.73		791.92		981.19		1.46%
612(1)	Reflectorized Thermoplastic Pavement Markings White	295.50		sq.m	216,216.22		731.70		906.57		0.27%
622(1)a	Coconet Bio-Engineering Solutions (Coconet)	227.00		sq.m	32,399.35		142.73		170.34		0.04%
622(1)b	Coconet Bio-Engineering Solutions (Coconet)	272.00		sq.m	37,394.13		137.48		170.34		0.05%
622(2)b	Coconet Bio-Engineering Solutions (Cocologs/Fascine)	80.00		ln.m	39,974.25		499.68		619.10		0.05%
622(3)a	Coconet Bio-Engineering Solutions (Vegetation)	499.00		sq.m	79,876.04		160.07		198.33		0.10%
	TOTAL OF PART H				1,567,214.72						1.97%
PART I	Electrical										
1100(10)	Conduit, Boxes and Fittings (Conduit works / Conduit Rough-ins)	1.00		ls	438,950.71		438,950.71				0.55%
1101	Wires and Wiring Devices	3,750.00		ln.m.	1,394.49		0.37				0.00%
1102(18)	Solar Panel with Inverter, battery and other devices	1.00		ls	4,361,195.91		4,361,195.91				5.48%
1103(1)	Lighting Fixtures and Lamps	1.00		ls	2,663,973.71		2,663,973.71				3.35%
1109(1)	Grounding System	1.00		ls	553,568.81		553,568.81				0.70%
1111(1)	Reinforced Concrete Pedestal/Pole	1.00		ls	2,523,240.39		2,523,240.39				3.17%
	TOTAL OF PART I				10,542,324.03						13.24%
	GRAND TOTAL				79,600,084.21						100.00%



Network Development - Road Widening - Primary Roads - Lanao-Pagadian-Zamboanga City Road, Zamboanga Sibugay
Zamboanga Sibugay

FORM POW-2015-018-00

MINIMUM EQUIPMENT REQUIREMENT							
No.	Equipment Description	Capacity	Number of Equipment	No.	Equipment Description	Capacity	Number of Equipment
1	Dumptruck (10 Wheeler)	12 cu. Yd	4	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	4	31			
7	Water Truck/Pump	16000L	2	32			
8	Water Tank		2	33			
9	Transit Mixer	5-6 cu. Yd	4	34			
10	Portable Screed		1	35			
11	Concrete Vibrator		2	36			
12	Concrete Cutter		2	37			
13	Bar Cutter		2	38			
14	Bar Bender		2	39			
15	Concrete Mixer	4-6 cu.ft/min	2	40			
16	Plate Compactor		2	41			
17	Boom Truck		2	42			
18				43			
19				44			
20				45			
21				46			
22				47			
23				48			
24				49			
25				50			
	SUB-TOTAL				SUB-TOTAL		
TOTAL							



REGION IX
Network Development - Road Widening - Primary Roads - Lanao-Pagadian-Zamboanga City Road, Zamboanga Sibugay
Zamboanga Sibugay

FORM POW-2015-01C-00

ITEMIZED BREAKDOWN												
ITEM NO.	DESCRIPTION		DETAILED BREAKDOWN OF COMPONENT COST FOR EACH ITEM									
			%	QTY	UNIT	DIRECT COST				TOTAL MARK-UP		5% VAT
						MATERIAL	LABOR	EQUIPMENT	TOTAL	%	VALUE	
PART A	Facilities for the Engineers											
A.1.1 (3)	Const. of Field Office for the Engineer	AS EVALUATED										
		AS SUBMITTED	1.019%	1.00	ls	400,000.00	135,079.92	276,227.99	811,307.91	18.00%	146,035.42	47,867.17
A.1.1 (11)	Prov. Of Furniture, Equipment, & Appliance for Field Engineer	AS EVALUATED										
		AS SUBMITTED	0.314%	1.00	ls	250,000.00	-	-	250,000.00	0.00%	-	12,500.00
A.1.2 (5)	Operation & Maintenance of Gov't. Service Vehicles	AS EVALUATED										
		AS SUBMITTED	1.028%	1.00	ls	666,000.00	151,913.88	-	817,913.88	0.00%	-	40,895.69
	TOTAL OF PART A	AS EVALUATED										
		AS SUBMITTED	2.361%			1,316,000.00	286,993.80	276,227.99	1,879,221.79		146,035.42	101,262.86
PART B	Other General Requirements											
B.4(1)	Construction Survey and Staking	AS EVALUATED										
		AS SUBMITTED	0.097%	1.48	km	18,007.50	54,559.30	5,000.00	77,566.80	18.00%	13,962.02	4,576.44
B.5	Project Billboard	AS EVALUATED										
		AS SUBMITTED	0.017%	4.00	unit	12,180.00	1,153.93	-	13,333.93	18.00%	2,400.11	786.70
B.7	Occupational Safety & Health Program	AS EVALUATED										
		AS SUBMITTED	0.724%	1.00	ls	139,700.00	436,778.73	-	576,478.73	8.00%	46,118.30	31,129.85
B.8	Traffic Management	AS EVALUATED										
		AS SUBMITTED	2.156%	1.00	ls	500,000.00	1,215,988.20	-	1,715,988.20	8.00%	137,279.06	92,663.36
B.9	Mobilization & Demobilization	AS EVALUATED										
		AS SUBMITTED	1.902%	1.00	ls	-	-	1,513,668.00	1,513,668.00	0.00%	-	75,683.40
	TOTAL OF PART B	AS EVALUATED										
		AS SUBMITTED	4.896%			669,887.50	1,708,480.16	1,518,668.00	3,897,035.66		199,759.48	204,839.76
PART C	Earthworks											
101(4a1)	Removal of Structures/Obstruction (Existing RCPC)	AS EVALUATED										
		AS SUBMITTED	0.014%	28.00	ln.m	-	799.23	10,565.92	11,365.15	18.00%	2,045.73	670.54
101(6)	Removal of Structures/Obstruction (Concrete)	AS EVALUATED										
		AS SUBMITTED	0.054%	119.50	cu.m	-	2,210.33	41,138.52	43,348.85	18.00%	7,802.79	2,557.58
101(3b)5	Removal of Structures/Obstruction (Existing PCCP)	AS EVALUATED										
		AS SUBMITTED	0.003%	20.00	sq.m	-	130.79	2,233.63	2,364.42	18.00%	425.60	139.50
101(8)	Removal of Existing Guardrails	AS EVALUATED										
		AS SUBMITTED	0.025%	122.50	ln.m	-	1,407.98	18,111.63	19,519.60	18.00%	3,513.53	1,151.66
101(9)	Removal of Existing Guardrail Post	AS EVALUATED										
		AS SUBMITTED	0.020%	51.00	each	-	873.48	15,080.70	15,954.18	18.00%	2,871.75	941.30
102(2)	Surplus Common Excavation	AS EVALUATED										
		AS SUBMITTED	2.870%	15,521.50	cu.m	-	33,228.38	2,251,044.34	2,284,272.72	18.00%	411,169.09	134,772.09

ITEMIZED BREAKDOWN													
ITEM NO.	DESCRIPTION		DETAILED BREAKDOWN OF COMPONENT COST FOR EACH ITEM										
			%	QTY	UNIT	DIRECT COST				TOTAL MARK-UP		5% VAT	TOTAL COST
						MATERIAL	LABOR	EQUIPMENT	TOTAL	%	VALUE		
102(3)b	Surplus Rock Excavation	AS EVALUATED											
		AS SUBMITTED	0.747%	2,502.50	cu.m	-	10,204.47	584,184.79	594,389.26	18.00%	106,990.07	35,068.97	736,448.29
103(1)a	Structure Excavation	AS EVALUATED											
		AS SUBMITTED	0.012%	60.00	cu.m	-	649.26	8,935.93	9,585.19	18.00%	1,725.33	565.53	11,876.05
103(3)	Foundation Fill	AS EVALUATED											
		AS SUBMITTED	0.025%	13.00	cu.m	15,540.53	2,720.39	1,806.04	20,066.96	18.00%	3,612.05	1,183.95	24,862.96
103(6)a	Pipe Culverts and Drain Excavation	AS EVALUATED											
		AS SUBMITTED	0.077%	266.00	cu.m	-	2,878.39	58,501.94	61,380.32	18.00%	11,048.46	3,621.44	76,050.22
104(1a)	Embankment from Roadway Excavation	AS EVALUATED											
		AS SUBMITTED	1.839%	6,338.00	cu.m	-	39,728.19	1,423,725.22	1,463,453.41	18.00%	263,421.61	86,343.75	1,813,218.78
105(1a)	Subgrade Preparation	AS EVALUATED											
		AS SUBMITTED	0.347%	17,247.50	sq.m	-	9,846.24	266,272.65	276,118.89	18.00%	49,701.40	16,291.01	342,111.31
	TOTAL OF PART C	AS EVALUATED											
		AS SUBMITTED	6.032%			15,540.53	104,677.11	4,681,601.31	4,801,818.95	18.00%	864,327.41	283,307.32	5,949,453.68
PART D	Subbase and Base Course												
200(1)	Aggregate Subbase Course	AS EVALUATED											
		AS SUBMITTED	11.989%	7,389.50	cu.m	8,833,593.04	25,311.07	684,489.39	9,543,393.49	18.00%	1,717,810.83	563,060.22	11,824,264.54
	TOTAL OF PART D	AS EVALUATED											
		AS SUBMITTED	11.989%			8,833,593.04	25,311.07	684,489.39	9,543,393.49	18.00%	1,717,810.83	563,060.22	11,824,264.54
PART E	Surface Courses												
311(1a)	Portland Cement Concrete Pavement	AS EVALUATED											
		AS SUBMITTED	8.425%	8,091.50	sq.m	5,737,494.00	64,628.06	904,411.90	6,706,533.96	18.00%	1,207,176.11	395,685.50	8,309,395.58
311(1e1)	Portland Cement Concrete Pavement	AS EVALUATED											
		AS SUBMITTED	18.771%	9,903.00	sq.m	12,720,767.22	147,642.75	2,073,510.47	14,941,920.45	18.00%	2,689,545.68	881,573.31	18,513,039.43
	TOTAL OF PART E	AS EVALUATED											
		AS SUBMITTED	27.197%			18,458,261.23	212,270.81	2,977,922.37	21,648,454.41	18.00%	3,896,721.79	1,277,258.81	26,822,435.01
PART G	Drainage and Slope Protection Structures												
404(1)a	Reinforcing Steel (Grade 40)	AS EVALUATED											
		AS SUBMITTED	9.698%	151,559.50	kg	6,620,118.96	471,029.03	628,508.83	7,719,656.82	18.00%	1,389,538.23	455,459.75	9,564,654.80
404(1)b	Reinforcing Steel (Grade 60)	AS EVALUATED											
		AS SUBMITTED	0.036%	533.50	kg	24,423.63	1,658.06	2,212.39	28,294.08	18.00%	5,092.93	1,669.35	35,056.36
405(1)a3	Structural Concrete, Class A	AS EVALUATED											
		AS SUBMITTED	16.064%	1,914.00	cu.m	10,265,305.13	1,739,444.91	781,822.60	12,786,572.64	18.00%	2,301,583.07	754,407.79	15,842,563.50
500(1)b3	Reinforced Concrete Culverts Pipe, 910 mm dia	AS EVALUATED											
		AS SUBMITTED	6.230%	1,497.00	ln.m	3,614,533.20	567,054.24	777,361.22	4,958,948.67	18.00%	892,610.76	292,577.97	6,144,137.40
500(1)b5	Reinforced Concrete Culverts Pipe, 1220 mm dia	AS EVALUATED											
		AS SUBMITTED		-	ln.m	-	-	-	-	18.00%	-	-	-
505(5)	Grouted Riprap, Class "A"	AS EVALUATED											
		AS SUBMITTED	0.074%	18.50	cu.m	45,189.22	8,279.40	5,186.54	58,655.15	18.00%	10,557.93	3,460.65	72,673.74
506(1)	Stone Masonry	AS EVALUATED											
		AS SUBMITTED	0.212%	43.00	cu.m	139,910.61	15,034.38	13,548.81	168,493.80	18.00%	30,328.88	9,941.13	208,763.82
	TOTAL OF PART G	AS EVALUATED											
		AS SUBMITTED	32.312%			20,709,480.74	2,802,500.02	2,208,640.40	25,720,621.16	18.00%	4,629,711.81	1,517,516.65	31,867,849.62

ITEMIZED BREAKDOWN													
ITEM NO.	DESCRIPTION		DETAILED BREAKDOWN OF COMPONENT COST FOR EACH ITEM										
			%	QTY	UNIT	DIRECT COST				TOTAL MARK-UP		5% VAT	TOTAL COST
						MATERIAL	LABOR	EQUIPMENT	TOTAL	%	VALUE		
PART H	Miscellaneous Structure												
600(4)	Concrete Curb & Gutter	AS EVALUATED											
		AS SUBMITTED	1.459%	1,466.50	ln.m	1,000,459.77	96,338.55	64,556.42	1,161,354.73	18.00%	209,043.85	68,519.93	1,438,918.51
612(1)	Reflectorized Thermoplastic Pavement Markings White	AS EVALUATED											
		AS SUBMITTED	0.272%	295.50	sq.m	192,466.69	5,544.84	18,204.70	216,216.22	18.00%	38,918.92	12,756.76	267,891.90
622(1)a	Coconet Bio-Engineering Solutions (Coconet)	AS EVALUATED											
		AS SUBMITTED	0.041%	227.00	sq.m	27,410.25	2,007.59	2,981.51	32,399.35	18.00%	5,831.88	1,911.56	40,142.80
622(1)b	Coconet Bio-Engineering Solutions (Coconet)	AS EVALUATED											
		AS SUBMITTED	0.047%	272.00	sq.m	31,416.00	2,405.57	3,572.56	37,394.13	18.00%	6,730.94	2,206.25	46,331.33
622(2)b	Coconet Bio-Engineering Solutions (Cocologs/Fascine)	AS EVALUATED											
		AS SUBMITTED	0.050%	80.00	ln.m	37,380.00	2,358.41	235.84	39,974.25	18.00%	7,195.36	2,358.48	49,528.09
622(3)a	Coconet Bio-Engineering Solutions (Vegetation)	AS EVALUATED											
		AS SUBMITTED	0.100%	499.00	sq.m	51,347.10	1,367.37	27,161.57	79,876.04	18.00%	14,377.69	4,712.69	98,966.41
	TOTAL OF PART H	AS EVALUATED											
		AS SUBMITTED	1.969%			1,340,479.80	110,022.33	116,712.59	1,567,214.72	18.00%	282,098.65	92,465.67	1,941,779.04
PART I	Electrical												
1100(10)	Conduit, Boxes and Fittings (Conduit works / Conduit Rough-ins)	AS EVALUATED											
		AS SUBMITTED	0.551%	1.00	ls	38,556.00	60,568.46	339,826.26	438,950.71	18.00%	79,011.13	25,898.09	543,859.93
1101	Wires and Wiring Devices	AS EVALUATED											
		AS SUBMITTED	0.002%	3,750.00	ln.m.	173.40	184.72	1,036.37	1,394.49	18.00%	251.01	82.27	1,727.77
1102(18)	Solar Panel with Inverter, battery and other devices	AS EVALUATED											
		AS SUBMITTED	5.479%	1.00	ls	4,160,911.50	43,272.19	157,012.22	4,361,195.91	18.00%	785,015.26	257,310.56	5,403,521.73
1103(1)	Lighting Fixtures and Lamps	AS EVALUATED											
		AS SUBMITTED	3.347%	1.00	ls	1,889,550.00	148,803.38	625,620.34	2,663,973.71	18.00%	479,515.27	157,174.45	3,300,663.43
1109(1)	Grounding System	AS EVALUATED											
		AS SUBMITTED	0.695%	1.00	ls	153,000.00	86,544.38	314,024.44	553,568.81	18.00%	99,642.39	32,660.56	685,871.76
1111(1)	Reinforced Concrete Pedestal/Pole	AS EVALUATED											
		AS SUBMITTED	3.170%	1.00	ls	1,457,223.64	136,660.69	929,356.07	2,523,240.39	18.00%	454,183.27	148,871.18	3,126,294.85
	TOTAL OF PART I	AS EVALUATED											
		AS SUBMITTED	13.244%			7,699,414.54	476,033.80	2,366,875.69	10,542,324.03	18.00%	1,897,618.32	621,997.12	13,061,939.47
	GRAND TOTAL	AS EVALUATED											
		AS SUBMITTED	100.00%			59,042,657.38	5,726,289.09	14,831,137.74	79,600,084.21	18.00%	13,634,083.73	4,661,708.40	97,895,876.33



REGION IX

Network Development - Road Widening - Primary Roads - Lanao-Pagadian-Zamboanga City Road, Zamboanga Sibugay
Zamboanga Sibugay

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	1,879,221.79		146,035.42	101,262.86	247,298.28	2,126,520.08
PART B	Other General Requirements	AS EVALUATED						
		AS SUBMITTED	3,897,035.66		199,759.48	204,839.76	404,599.24	4,301,634.90
PART C	Earthworks	AS EVALUATED						
		AS SUBMITTED	4,801,818.95		864,327.41	283,307.32	1,147,634.73	5,949,453.68
PART D	Subbase and Base Course	AS EVALUATED						
		AS SUBMITTED	9,543,393.49		1,717,810.83	563,060.22	2,280,871.04	11,824,264.54
PART E	Surface Courses	AS EVALUATED						
		AS SUBMITTED	21,648,454.41		3,896,721.79	1,277,258.81	5,173,980.60	26,822,435.01
PART G	Drainage and Slope Protection Structures	AS EVALUATED						
		AS SUBMITTED	25,720,621.16		4,629,711.81	1,517,516.65	6,147,228.46	31,867,849.62
PART H	Miscellaneous Structure	AS EVALUATED						
		AS SUBMITTED	1,567,214.72		282,098.65	92,465.67	374,564.32	1,941,779.04
PART I	Electrical	AS EVALUATED						
		AS SUBMITTED	10,542,324.03		1,897,618.32	621,997.12	2,519,615.44	13,061,939.47
TOTAL		AS EVALUATED						
		AS SUBMITTED	79,600,084.21		13,634,083.73	4,661,708.40	18,295,792.12	97,895,876.33

Preparation and Submission:

Prepared by:

MICHAEL D. TORINOEngineer II
DPWH RO9

Checked/Submitted by:

ISIDRA A. ESTANISLAOEngineer IV-Chairman Estimating Committee
DPWH RO9

Evaluation:

Reviewed by:

SATURNINO C. TORREFRANCADistrict Engineer
DPWH RO9

Approval:

Recommending Approval:

KHADAFFY D. TANGGOL
OIC-Assistant Regional Director
DPWH RO9

Approved:

CAYAMOMBAO D. DIA
Regional Director
DPWH RO9



REGION IX
Network Development - Road Widening - Primary Roads - Lanao-Pagadian-Zamboanga City Road, Zamboanga Sibugay
Zamboanga Sibugay

FORM POW-2015-02A-00

ITEM NO.	DESCRIPTION		QTY	UNIT	ESTIMATED DIRECT COST	TOTAL MARK-UP		VAT	TOTAL INDIRECT COST	TOTAL COST	UNIT COST
						%	VALUE				
PART A	Facilities for the Engineers										
A.1.1 (3)	Const. of Field Office for the Engineer	AS EVALUATED									
		AS SUBMITTED	1.00	ls	811,307.91	18.00%	146,035.42	47,867.17	193,902.59	1,005,210.50	1,005,210.50
A.1.1 (11)	Prov. Of Furniture, Equipment, & Appliance for Field Engineer	AS EVALUATED									
		AS SUBMITTED	1.00	ls	250,000.00	0.00%	-	12,500.00	12,500.00	262,500.00	262,500.00
A.1.2 (5)	Operation & Maintenance of Gov't. Service Vehicles	AS EVALUATED									
		AS SUBMITTED	1.00	ls	817,913.88	0.00%	-	40,895.69	40,895.69	858,809.57	858,809.57
	TOTAL OF PART A	AS EVALUATED									
		AS SUBMITTED			1,879,221.79		146,035.42	101,262.86	247,298.28	2,126,520.08	
PART B	Other General Requirements										
B.4(1)	Construction Survey and Staking	AS EVALUATED									
		AS SUBMITTED	1.48	km	77,566.80	18.00%	13,962.02	4,576.44	18,538.47	96,105.27	65,021.66
B.5	Project Billboard	AS EVALUATED									
		AS SUBMITTED	4.00	unit	13,333.93	18.00%	2,400.11	786.70	3,186.81	16,520.73	4,130.18
B.7	Occupational Safety & Health Program	AS EVALUATED									
		AS SUBMITTED	1.00	ls	576,478.73	8.00%	46,118.30	31,129.85	77,248.15	653,726.88	653,726.88
B.8	Traffic Management	AS EVALUATED									
		AS SUBMITTED	1.00	ls	1,715,988.20	8.00%	137,279.06	92,663.36	229,942.42	1,945,930.62	1,945,930.62
B.9	Mobilization & Demobilization	AS EVALUATED									
		AS SUBMITTED	1.00	ls	1,513,668.00	0.00%	-	75,683.40	75,683.40	1,589,351.40	1,589,351.40
	TOTAL OF PART B	AS EVALUATED			-						
		AS SUBMITTED			3,897,035.66		199,759.48	204,839.76	404,599.24	4,301,634.90	
PART C	Earthworks										
101(4a1)	Removal of Structures/Obstruction (Existing RCPC)	AS EVALUATED									
		AS SUBMITTED	28.00	ln.m	11,365.15	18.00%	2,045.73	670.54	2,716.27	14,081.43	502.91
101(6)	Removal of Structures/Obstruction (Concrete)	AS EVALUATED									
		AS SUBMITTED	119.50	cu.m	43,348.85	18.00%	7,802.79	2,557.58	10,360.38	53,709.23	449.45
101(3b)5	Removal of Structures/Obstruction (Existing PCCP)	AS EVALUATED									
		AS SUBMITTED	20.00	sq.m	2,364.42	18.00%	425.60	139.50	565.10	2,929.51	146.48
101(8)	Removal of Existing Guardrails	AS EVALUATED									
		AS SUBMITTED	122.50	ln.m	19,519.60	18.00%	3,513.53	1,151.66	4,665.18	24,184.79	197.43
101(9)	Removal of Existing Guardrail Post	AS EVALUATED									
		AS SUBMITTED	51.00	each	15,954.18	18.00%	2,871.75	941.30	3,813.05	19,767.23	387.59

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ITEM NO.	DESCRIPTION		QTY	UNIT	ESTIMATED DIRECT COST	TOTAL MARK-UP		VAT	TOTAL INDIRECT COST	TOTAL COST	UNIT COST
						%	VALUE				
102(2)	Surplus Common Excavation	AS EVALUATED									
		AS SUBMITTED	15,521.50	cu.m	2,284,272.72	18.00%	411,169.09	134,772.09	545,941.18	2,830,213.90	182.34
102(3)b	Surplus Rock Excavation	AS EVALUATED									
		AS SUBMITTED	2,502.50	cu.m	594,389.26	18.00%	106,990.07	35,068.97	142,059.03	736,448.29	294.29
103(1)a	Structure Excavation	AS EVALUATED									
		AS SUBMITTED	60.00	cu.m	9,585.19	18.00%	1,725.33	565.53	2,290.86	11,876.05	197.93
103(3)	Foundation Fill	AS EVALUATED									
		AS SUBMITTED	13.00	cu.m	20,066.96	18.00%	3,612.05	1,183.95	4,796.00	24,862.96	1,912.54
103(6)a	Pipe Culverts and Drain Excavation	AS EVALUATED									
		AS SUBMITTED	266.00	cu.m	61,380.32	18.00%	11,048.46	3,621.44	14,669.90	76,050.22	285.90
104(1a)	Embankment from Roadway Excavation	AS EVALUATED									
		AS SUBMITTED	6,338.00	cu.m	1,463,453.41	18.00%	263,421.61	86,343.75	349,765.37	1,813,218.78	286.09
105(1a)	Subgrade Preparation	AS EVALUATED									
		AS SUBMITTED	17,247.50	sq.m	276,118.89	18.00%	49,701.40	16,291.01	65,992.42	342,111.31	19.84
	TOTAL OF PART C	AS EVALUATED			-						
		AS SUBMITTED			4,801,818.95		864,327.41	283,307.32	1,147,634.73	5,949,453.68	
PART D	Subbase and Base Course										
200(1)	Aggregate Subbase Course	AS EVALUATED									
		AS SUBMITTED	7,389.50	cu.m	9,543,393.49	18.00%	1,717,810.83	563,060.22	2,280,871.04	11,824,264.54	1,600.14
	TOTAL OF PART D	AS EVALUATED			-						
		AS SUBMITTED			9,543,393.49		1,717,810.83	563,060.22	2,280,871.04	11,824,264.54	
PART E	Surface Courses										
311(1a)	Portland Cement Concrete Pavement	AS EVALUATED									
		AS SUBMITTED	8,091.50	sq.m	6,706,533.96	18.00%	1,207,176.11	395,685.50	1,602,861.62	8,309,395.58	1,026.93
311(1e1)	Portland Cement Concrete Pavement	AS EVALUATED									
		AS SUBMITTED	9,903.00	sq.m	14,941,920.45	18.00%	2,689,545.68	881,573.31	3,571,118.99	18,513,039.43	1,869.44
	TOTAL OF PART E	AS EVALUATED			-						
		AS SUBMITTED			21,648,454.41		3,896,721.79	1,277,258.81	5,173,980.60	26,822,435.01	
PART G	Drainage and Slope Protection Structures										
404(1)a	Reinforcing Steel (Grade 40)	AS EVALUATED									
		AS SUBMITTED	151,559.50	kg	7,719,656.82	18.00%	1,389,538.23	455,459.75	1,844,997.98	9,564,654.80	63.11
404(1)b	Reinforcing Steel (Grade 60)	AS EVALUATED									
		AS SUBMITTED	533.50	kg	28,294.08	18.00%	5,092.93	1,669.35	6,762.29	35,056.36	65.71
405(1)a3	Structural Concrete, Class A	AS EVALUATED									
		AS SUBMITTED	1,914.00	cu.m	12,786,572.64	18.00%	2,301,583.07	754,407.79	3,055,990.86	15,842,563.50	8,277.20
500(1)b3	Reinforced Concrete Culverts Pipe, 910 mm dia	AS EVALUATED									
		AS SUBMITTED	1,497.00	ln.m	4,958,948.67	18.00%	892,610.76	292,577.97	1,185,188.73	6,144,137.40	4,104.30


ITEM NO.	DESCRIPTION		QTY	UNIT	ESTIMATED DIRECT COST	TOTAL MARK-UP		VAT	TOTAL INDIRECT COST	TOTAL COST	UNIT COST
						%	VALUE				
505(5)	Grouted Riprap, Class "A"	AS EVALUATED									
		AS SUBMITTED	18.50	cu.m	58,655.15	18.00%	10,557.93	3,460.65	14,018.58	72,673.74	3,928.31
506(1)	Stone Masonry	AS EVALUATED									
		AS SUBMITTED	43.00	cu.m	168,493.80	18.00%	30,328.88	9,941.13	40,270.02	208,763.82	4,854.97
	TOTAL OF PART G	AS EVALUATED			-						
		AS SUBMITTED			25,720,621.16		4,629,711.81	1,517,516.65	6,147,228.46	31,867,849.62	
PART H	Miscellaneous Structure										
600(4)	Concrete Curb & Gutter	AS EVALUATED	-		-						
		AS SUBMITTED	1,466.50	ln.m	1,161,354.73	18.00%	209,043.85	68,519.93	277,563.78	1,438,918.51	981.19
612(1)	Reflectorized Thermoplastic Pavement Markings White	AS EVALUATED									
		AS SUBMITTED	295.50	sq.m	216,216.22	18.00%	38,918.92	12,756.76	51,675.68	267,891.90	906.57
622(1)a	Coconet Bio-Engineering Solutions (Coconet)	AS EVALUATED	-	-	-						
		AS SUBMITTED	227.00	sq.m	32,399.35	18.00%	5,831.88	1,911.56	7,743.45	40,142.80	176.84
622(1)b	Coconet Bio-Engineering Solutions (Coconet)	AS EVALUATED	-	-	-						
		AS SUBMITTED	272.00	sq.m	37,394.13	18.00%	6,730.94	2,206.25	8,937.20	46,331.33	170.34
622(2)b	Coconet Bio-Engineering Solutions (Cocologs/Fascine)	AS EVALUATED	-	-	-						
		AS SUBMITTED	80.00	ln.m	39,974.25	18.00%	7,195.36	2,358.48	9,553.85	49,528.09	619.10
622(3)a	Coconet Bio-Engineering Solutions (Vegetation)	AS EVALUATED	-	-	-						
		AS SUBMITTED	499.00	sq.m	79,876.04	18.00%	14,377.69	4,712.69	19,090.37	98,966.41	198.33
	TOTAL OF PART H	AS EVALUATED			-						
		AS SUBMITTED			1,567,214.72		282,098.65	92,465.67	374,564.32	1,941,779.04	
PART I	Electrical										
1100(10)	Conduit, Boxes and Fittings (Conduit works / Conduit Rough-Ins)	AS EVALUATED	-		-						
		AS SUBMITTED	1.00	ln.m	438,950.71	18.00%	79,011.13	25,898.09	104,909.22	543,859.93	543,859.93
1101	Wires and Wiring Devices	AS EVALUATED									
		AS SUBMITTED	3,750.00	sq.m	1,394.49	18.00%	251.01	82.27	333.28	1,727.77	0.46
1102(18)	Solar Panel with Inverter, battery and other devices	AS EVALUATED	-	-	-						
		AS SUBMITTED	1.00	ls	4,361,195.91	18.00%	785,015.26	257,310.56	1,042,325.82	5,403,521.73	5,403,521.73
1103(1)	Lighting Fixtures and Lamps	AS EVALUATED	-	-	-						
		AS SUBMITTED	1.00	ls	2,663,973.71	18.00%	479,515.27	157,174.45	636,689.72	3,300,663.43	3,300,663.43
1109(1)	Grounding System	AS EVALUATED	-	-	-						
		AS SUBMITTED	1.00	ls	553,568.81	18.00%	99,642.39	32,660.56	132,302.95	685,871.76	685,871.76
1111(1)	Reinforced Concrete Pedestal/Pole	AS EVALUATED	-	-	-						
		AS SUBMITTED	1.00	ls	2,523,240.39	18.00%	454,183.27	148,871.18	603,054.45	3,126,294.85	3,126,294.85
	TOTAL OF PART I	AS EVALUATED			-						
		AS SUBMITTED			10,542,324.03		1,897,618.32	621,997.12	2,519,615.44	13,061,939.47	
	GRAND TOTAL	AS EVALUATED			-						
		AS SUBMITTED			79,600,084.21		13,634,083.73	4,661,708.40	18,295,792.12	97,895,876.33	

Preparation and Submission:

Prepared by:


MICHAEL D. TORINO
 Engineer II
 DPWH RO9

Checked/Submitted by:


ISIDRA A. ESTANISLAO
 Engineer IV-Chairman Estimating Committee
 DPWH RO9

Evaluation:

Reviewed by:


SATURNINO C. TORREFRANCA
 District Engineer
 DPWH RO9

Network Development - Road Widening - Primary Roads - Lanao-Pagadian-Zamboanga City Road, Zamboanga Sibugay
Zamboanga Sibugay

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.)
Labor				
A.1				
a. Construction Foreman	1	192	80.95	15,542.64
b. Masons	3	192	58.61	33,758.64
c. Carpenters	3	192	58.61	33,758.64
d. Laborers	6	192	45.16	52,020.00
Sub-Total for A-1 As Submitted				135,079.92
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	160	172.00	27,520.00
b. Water Truck	1	96	2,450.00	235,200.00
Minor Tools (10% of Labor Cost)				13,507.99
Sub-Total for B-1 As Submitted				276,227.99
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				135,079.92
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				135,079.92
E.2				
Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				-
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
F.1				
Materials				
a. 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				535,079.92
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	53,507.99
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	42,806.39
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)	31,569.72
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)	662,964.02
K.2				
Total Unit Cost - As Evaluated			(G.2+H2+I2+J1)	-

Prepared by:


MICHAEL D. TORINO
 Engineer III

Checked/Reviewed


ISIDRA A. ESTANISLAO
 Engineer IV

Network Development - Road Widening - Primary Roads - Lanaso-Pagadian Zamboanga City Road, Zamboanga Sibugay
Zamboanga Sibugay

FORM-POW-2015-01D-00

Item No./Description : Prov. OF Furniture, Equipment, & Appliance for Field 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				
Sub-Total for A-1 As Submitted				-
Labor				
A.2				
Sub-Total for A-2 As Evaluated				
Name and Capacity	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
B.1				
Equipment				
Sub-Total for B-1 As Submitted				-
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				-
C.2				
Total (A.2+B.2) - As Evaluated				-
D.1				
Output per Hour - As Submitted				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				
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
F.1				
Materials				
a. Office Equipment/Facilities & Supplies	lumpsum	1	250,000.00	250,000.00
Sub-Total for F-1 As Submitted				250,000.00
Equipment				
F.2				
Sub-Total for F-2 As Evaluated				
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				250,000.00
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)	12,500.00
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)	262,500.00
K.2				
Total Unit Cost - As Evaluated			(G.2+H2+I2+J2)	-

Prepared by:

MICHAEL P. TORINO
Engineer III

Checked/Reviewed

ISIDRA A. ESTANISLAO
Engineer IV

Network Development - Road Widening - Primary Roads - Lanaso-Pagadian-Zamboanga City Road, Zamboanga Sibugay
Zamboanga Sibugay

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 (Php.)
A.1				
Labor				
a. Service Driver	1	2592	58.61	151,913.88
Sub-Total for A-1 As Submitted				151,913.88
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				151,913.88
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				151,913.88
E.2				
Direct Unit Cost (C.2 +D.2) - As Evaluated				-
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
F.1				
Materials				
a. Diesel Fuel	ltrs	9,720.00	50.00	486,000.00
b. Engine Oil & Lubricants	ls	1.00	30,000.00	30,000.00
c. Tires	pcs	5.00	10,000.00	50,000.00
d. Spareparts etc.	ls	1.00	100,000.00	100,000.00
Sub-Total for F-1 As Submitted				666,000.00
Equipment				
F.2				
Sub-Total for F-2 As Evaluated				-
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				817,913.88
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)	40,895.69
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)	858,809.57
K.2				
Total Unit Cost - As Evaluated			(G.2+H2+I2+J1)	-

Prepared by:

MICHAEL D. TORINO
 Engineer II

Checked/Reviewed


ISIDRA A. ESTANISLAO
 Engineer IV

Network Development - Road Widening - Primary Roads - Lanao-Pagadian-Zamboanga City Road, Zamboanga Sibugay
Zamboanga Sibugay
DETAILED UNIT PRICE ANALYSIS

FORM-POW-2015-01D-00

Item No./Description : Construction Survey and Staking
 Unit of Measurement : 1.48 km
 Output per hour-As Submitted : 0.04
 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	1.00	180.48	180.48
b. Skilled Laborer	2	1.00	58.61	117.22
c. Laborer	4	1.00	45.16	180.63
<i>(For Office Works)</i>				
a. Geodetic Engineer	1	1.00	180.48	180.48
b. Skilled Laborer	2	1.00	58.61	117.22
Sub-Total for A-1 As Submitted				776.03
Labor				
A.2				
Sub-Total for A-2 As Evaluated				
Equipment				
a. Total Station with complete accessories	1	1	125.00	125.00
Sub-Total for B-1 As Submitted				125.00
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1 Total (A.1+B.1) - As Submitted				901.03
C.2 Total (A.2+B.2) - As Evaluated				-
D.1 Output per Hour - As Submitted				0.04
D.2 Output per Hour - As Evaluated				-
E.1 Direct Unit Cost (C.1 +D.1) - As Submitted				22,525.63
E.2 Direct Unit Cost (C.2 +D.2) - As Evaluated				-
Materials				
a. Standard Stake Plan	pcs	1	250.00	250.00
b. Blue Printing	pcs	6	40.00	240.00
Miscellaneous (5% of Materials)				24.50
Sub-Total for F-1 As Submitted				514.50
Materials				
F.2				
Sub-Total for F-2 As Evaluated				-
G.1 Direct Unit Cost (E.1+F.1) - As Submitted				23,040.13
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	2,304.01
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	1,843.21
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)	1,359.37
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)	28,546.71
K.2 Total Unit Cost - As Evaluated			(G.2+H2+I2+J2)	-

Prepared by

MICHAEL D. TORINO
 Engineer II

Checked/Reviewed


ISIDRA A. ESTANISLAO
 Engineer IV

Network Development - Road Widening - Primary Roads - Lanao-Pagadian-Zamboanga City Road, Zamboanga Sibugay
Zamboanga Sibugay
DETAILED UNIT PRICE ANALYSIS

FORM-POW-2015-01D-00

Item No./Description : Project Billboard
 Unit of Measurement : 4.00 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	8	80.95	647.61
b. Skilled Laborer	2	8	58.61	937.74
c. Laborer	2	8	45.16	722.50
Sub-Total for A-1 As Submitted				2,307.85
Labor				
A.2				
Sub-Total for A-2 As Evaluated				
Name and Capacity	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
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				2,307.85
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				2,307.85
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	4.00	1,345.00	5,380.00
b. Tarpauling (4" x 8")	pcs	4.00	800.00	3,200.00
c. Assorted Lumber Sizes	bd.ft	200.00	18.00	3,600.00
d. Assorted Sizes CWN Nails	kg	5.00	65.00	325.00
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				14,487.85
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	1,448.79
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	1,150.03
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)	854.78
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)	17,950.45
K.2				
Total Unit Cost - As Evaluated			(G.2+H2+I2+J2)	-

Prepared by:

MICHAEL P. TORINO
 Engineer II

Checked/Reviewed

ISIDRA A. ESTANISLAO
 Engineer IV

Network Development - Road Widening - Primary Roads - Lanao-Pagadian-Zamboanga City Road, Zamboanga Sibugay
Zamboanga Sibugay
DETAILED UNIT PRICE ANALYSIS

FORM-POW-2015-01D-00

Item No./Description : Occupational Safety & Health Program

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.)
Labor					
a. Safety Practitioner		1	648	80.95	52,456.41
b. First Aider		2	2592	74.14	384,322.32
Sub-Total for A-1 As Submitted				1	436,778.73
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					
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					436,778.73
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					436,778.73
E.2 Direct Unit Cost (C.2 +D.2) - As Evaluated					-
Name and Specification		Unit	Quantity	Unit Cost	Amount (Php.)
Materials					
a. Pairs, Rubber Boots Men, Long with Steel Toe, Black		pair	83.00	400.00	33,200.00
b. Pairs, Working Gloves (Maong Materials)		pair	124.00	100.00	12,400.00
c. Rain Coats (Rain Forced, Hip Length Small, Medium & Large)		pcs	83.00	200.00	16,600.00
d. Safety Helmet		pcs	124.00	250.00	31,000.00
e. Safety Shoes		pcs	42.00	250.00	10,500.00
f. Safety Vest		pcs	124.00	250.00	31,000.00
g. Medical Supplies		sets	1.00	5,000.00	5,000.00
Sub-Total for F-1 As Submitted					139,700.00
Materials					
F.2					
Sub-Total for F-2 As Evaluated					-
G.1 Direct Unit Cost (E.1+F.1) - As Submitted					576,478.73
G.2 Direct Unit Cost (E.2+F.2) - As Evaluated					-
H.1 Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				2%/9%/7%/6% of G.1	-
H.2 Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				2%/9%/7%/6% of G.1	-
I.1 Contractor's Profit - As Submitted				10%/8% of G.1	46,118.30
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)	31,129.85
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)	653,726.88
K.2 Total Unit Cost - As Evaluated				(G.2+H2+I2+J1)	-

Prepared by:


MICHAEL D. TORINO
 Engineer IV

Checked/Reviewed


ISIDRA A. ESTANISLAO
 Engineer IV

Network Development - Road Widening - Primary Roads - Lanao-Pagadian-Zamboanga City Road, Zamboanga Sibugay
Zamboanga Sibugay

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.)
Labor				
a. Foreman	1	2592	80.95	209,825.64
b. Skilled Laborer	2	2592	58.61	303,834.24
c. Unskilled Laborer	6	2592	45.16	702,328.32
Sub-Total for A-1 As Submitted				1,215,988.20
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				1,215,988.20
Total (A.1+B.1) - As Submitted				-
C.2				1.00
D.1				
Output per Hour - As Submitted				
D.2				1,215,988.20
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				
Materials	Unit	Quantity	Unit Cost	Amount (Php.)
a. Road Signages, Traffic Cones, Temporary Bollards	ls	1.00	500,000.00	500,000.00
Sub-Total for F-1 As Submitted				500,000.00
Materials				
F.2				
Sub-Total for F-2 As Evaluated				-
G.1				1,715,988.20
Direct Unit Cost (E.1+F.1) - As Submitted				-
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1			12%/9%/7%/6% of G.1	-
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted			12%/9%/7%/6% of G.1	-
H.2			10%/8% of G.1	137,279.06
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated			10%/8% of G.1	-
I.1			10%/8% of G.1	-
Contractor's Profit - As Submitted			5% of (G.1+H1+I1)	92,663.36
I.2			5% of (G.1+H1+I1)	-
Contractor's Profit - As Evaluated			5% of (G.2+H2+I2)	-
J.1			5% of (G.1+H1+I1+J1)	1,945,930.62
Value Added Tax - As Submitted			(G.1+H1+I1+J1)	-
J.2			(G.2+H2+I2+J1)	-
Value Added Tax - As Evaluated				-
K.1				
Total Unit Cost - As Submitted				
K.2				
Total Unit Cost - As Evaluated				

Prepared by:


RONALD D. TORINO
 Engineer IV

Checked/Reviewed


ISIDRA A. ESTANISLAO
 Engineer IV

Network Development - Road Widening - Primary Roads - Lanao-Pagadian-Zamboanga City Road, Zamboanga Sibugay
Zamboanga Sibugay
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.)
A.1				
Labor				-
				-
				-
				-
				-
				-
				-
Sub-Total for A-1 As Submitted				-
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. Low Bed Trailer	2	48	4,255.38	408,516.00
b. Transit Mixer	2	48	1,318.00	126,528.00
c. Dumptruck	2	48	1,420.00	136,320.00
d. Payloader	2	48	1,733.00	166,368.00
e. Bulldozer	2	48	3,379.00	324,384.00
f. Cargo Truck	2	48	1,212.00	116,352.00
g. Water Truck	2	48	2,450.00	235,200.00
Sub-Total for B-1 As Submitted				1,513,668.00
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				1,513,668.00
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				1,513,668.00
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				1,513,668.00
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted			2%/9%/7%/6%/6% of G.1	-
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated			2%/9%/7%/6%/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)	75,683.40
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)	1,589,351.40
K.2				
Total Unit Cost - As Evaluated			(G.2+H2+I2+J1)	-

Prepared by

MICHAEL D. TORINO
Engineer II

Checked/Reviewed

ISIDRA A. ESTANISLAO
Engineer IV

FORM-POW-2015-01D-00

FORM-POW-2015-01D-00

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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				
Name and Capacity	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
Equipment				
B.1 a. Backhoe	1	1.00	1,537.00	1,537.00
b. Boom Truck	1	0.50	1,420.00	710.00
Minor Tools (10% of Labor Cost)				17.13
Sub-Total for B-1 As Submitted				2,264.13
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1 Total (A.1+B.1) - As Submitted				2,435.39
C.2 Total (A.2+B.2) - As Evaluated				-
D.1 Output per Hour - As Submitted				6.00
D.2 Output per Hour - As Evaluated				-
E.1 Direct Unit Cost (C.1 ÷ D.1) - As Submitted				405.90
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				405.90
G.2 Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1 Overhead, Contingencies & Miscellaneous (OCM) - As Submitted			2%/9%/7%/6% of G.1	40.59
H.2 Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated			2%/9%/7%/6% of G.1	-
I.1 Contractor's Profit - As Submitted			10%/8% of G.1	32.47
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)	23.95
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)	502.91
K.2 Total Unit Cost - As Evaluated			(G.2+H2+I2+J1)	-

Checked/Reviewed

Engineer IV

ISIDRA A. ESTANISLAO

129.06

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
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. Backhoe w/ Breaker	1	0.50	1,998.10	999.05
b. Backhoe	1	0.50	1,537.00	768.50
c. Dumptruck	1	1.00	1,420.00	1,420.00
Sub-Total for B-1 As Submitted				3,187.55
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				3,358.81
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				335.88
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				335.88
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted			2%/9%/7%/6% of G.1	33.59
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated			2%/9%/7%/6% of G.1	-
I.1				
Contractor's Profit - As Submitted			10%/8% of G.1	26.87
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)	19.82
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)	416.16
K.2				
Total Unit Cost - As Evaluated			(G.2+H.2+I.2+J.2)	-

Engineer II

Checked/Reviewed


ISIDRA A. ESTANISLAO
Engineer IV

Network Development - Road Widening - Primary Roads - Lanao-Pagadian-Zamboanga City Road, Zamboanga Sibugay
Zamboanga Sibugay
DETAILED UNIT PRICE ANALYSIS

FORM-POW-2015-01D-00

Item No./Description : Removal of Structures/Obstruction (Existing PCCP)
 Unit of Measurement : 20.00 sq.m
 Output per hour-As Submitted : 40.00 sq.m
 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	4	1.00	45.16	180.63
A.1				
Sub-Total for A-1 As Submitted				261.58
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 w/ Breaker	1	1.00	1,998.10	1,998.10
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)				26.16
Sub-Total for B-1 As Submitted				4,467.26
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				4,728.83
C.2				
Total (A.2+B.2) - As Evaluated				40.00
D.1				
Output per Hour - As Submitted				-
D.2				
Output per Hour - As Evaluated				118.22
E.1				
Direct Unit Cost (C.1 +D.1) - As Submitted				
E.2				
Direct Unit Cost (C.2 +D.2) - As Evaluated				
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
Materials				
F.1				
				-
				-
Sub-Total for F-1 As Submitted				-
Materials				
F.2				
Sub-Total for F-2 As Evaluated				118.22
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				-
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				11.82
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted			29%/9%/7%/6% of G.1	-
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated			29%/9%/7%/6% of G.1	9.46
I.1				
Contractor's Profit - As Submitted			10%/8% of G.1	-
I.2				
Contractor's Profit - As Evaluated			10%/8% of G.1	6.98
J.1				
Value Added Tax - As Submitted			5% of (G.1+H1+I1)	-
J.2				
Value Added Tax - As Evaluated			5% of (G.2+H2+I2)	146.48
K.1				
Total Unit Cost - As Submitted			(G.1+H1+I1+J1)	-
K.2				
Total Unit Cost - As Evaluated			(G.2+H2+I2+J2)	-

Prepared by:

 MICHAEL D. TORINO
 Engineer II

Checked/Reviewed

 ISIDRA A. ESTANISLAO
 Engineer IV

Network Development - Road Widening - Primary Roads - Lantao-Pagadian-Zamboanga City Road, Zamboanga Sibugay
Zamboanga Sibugay

DETAILED UNIT PRICE ANALYSIS

FORM-POW-2015-01D-00

Item No./Description : Removal of Existing Guardrails
 Unit of Measurement : 122.50 In.m
 Output per hour-As Submitted : 20.00 In.m
 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				-
B.1				
Equipment				
a. Backhoe	1	1.00	1,537.00	1,537.00
b. Dumptruck	1	1.00	1,420.00	1,420.00
Sub-Total for B-1 As Submitted				2,957.00
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				3,186.87
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				159.34
E.2				
Direct Unit Cost (C.2 +D.2) - As Evaluated				-
F.1				
Materials				
Sub-Total for F-1 As Submitted				-
F.2				
Materials				
Sub-Total for F-2 As Evaluated				-
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				159.34
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	15.93
H.2			12%/9%/7%/6% of G.1	-
I.1			10%/8% of G.1	12.75
Contractor's Profit - As Submitted			10%/8% of G.1	-
I.2			5% of (G.1+H1+I1)	9.40
J.1			5% of (G.2+H2+I2)	-
J.2			5% of (G.1+H1+I1+J1)	-
K.1			(G.1+H1+I1+J1)	197.43
K.2			(G.2+H2+I2+J1)	-
Total Unit Cost - As Evaluated				-

Prepared by:


 MICHAEL D. TORINO
 Engineer II

Checked/Reviewed


 ISIDRA A. ESTANISLAO
 Engineer IV

Network Development - Road Widening - Primary Roads - Lanao-Pagadian-Zamboanga City Road, Zamboanga Sibugay
Zamboanga Sibugay
DETAILED UNIT PRICE ANALYSIS

FORM-POW-2015-01D-00


Item No./Description : Removal of Existing Guardrail Post

Unit of Measurement : 51.00 each

Output per hour-As Submitted : 10.00 each

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	90.32
A.1				
Sub-Total for A-1 As Submitted				171.27
Labor				
A.2				
Sub-Total for A-2 As Evaluated				
Name and Capacity	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
B.1				
Equipment				
a. Backhoe	1	1.00	1,537.00	1,537.00
b. Boom Truck	1	0.50	1,420.00	710.00
c. Dumptruck	1	0.50	1,420.00	710.00
Sub-Total for B-1 As Submitted				2,957.00
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				3,128.27
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				312.83
E.2				
Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				-
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
F.1				
Materials				
				-
				-
Sub-Total for F-1 As Submitted				-
F.2				
Sub-Total for F-2 As Evaluated				-
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				312.83
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted			2%/9%/7%/6% of G.1	31.28
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated			2%/9%/7%/6% of G.1	-
I.1				
Contractor's Profit - As Submitted			10%/8% of G.1	25.03
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)	18.46
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)	387.59
K.2				
Total Unit Cost - As Evaluated			(G.2+H2+I2+J1)	-

Prepared by: 
MICHAEL D. TORINO
 Engineer II


Checked/Reviewed: 
ISIDRA A. ESTANISLAO
 Engineer IV

Network Development - Road Widening - Primary Roads - Lanao-Pagadian-Zamboanga City Road, Zamboanga Sibugay
Zamboanga Sibugay
DETAILED UNIT PRICE ANALYSIS

FORM-POW-2015-01D-00

Item No./Description : Surplus Common Excavation
 Unit of Measurement : 15,521.50 cu.m
 Output per hour-As Submitted : 80.00
 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				-
Name and Capacity	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
Equipment				
a. Bulldozer	1	1.00	3,379.00	3,379.00
b. Payloader	1	1.00	1,733.00	1,733.00
c. Payloader (at disposal area)	1	0.40	1,733.00	693.20
d. Dumptruck	3	1.00	1,420.00	4,260.00
e. Backhoe	1	1.00	1,537.00	1,537.00
Sub-Total for B-1 As Submitted				11,602.20
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				11,773.46
Total (A.1+B.1) - As Submitted				-
C.2				80.00
Total (A.2+B.2) - As Evaluated				-
D.1				-
Output per Hour - As Submitted				147.17
D.2				-
Output per Hour - As Evaluated				-
E.1				-
Direct Unit Cost (C.1 +D.1) - As Submitted				-
E.2				-
Direct Unit Cost (C.2 +D.2) - As Evaluated				-
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
Materials				-
F.1				-
				-
				-
Sub-Total for F-1 As Submitted				-
Materials				-
F.2				-
				-
Sub-Total for F-2 As Evaluated				-
G.1				147.17
Direct Unit Cost (E.1+F.1) - As Submitted				-
G.2				-
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1			2%/9%/7%/6% of G.1	14.72
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted			2%/9%/7%/6% of G.1	-
H.2			2%/9%/7%/6% of G.1	-
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated			10%/8% of G.1	11.77
I.1			10%/8% of G.1	-
Contractor's Profit - As Submitted			5% of (G.1+H1+I1)	8.68
I.2			5% of (G.1+H1+I1)	-
Value Added Tax - As Submitted			5% of (G.2+H2+I2)	-
J.1			5% of (G.2+H2+I2)	-
Value Added Tax - As Evaluated			(G.1+H1+I1+J1)	182.34
J.2			(G.2+H2+I2+J2)	-
Total Unit Cost - As Submitted				-
K.1				-
Total Unit Cost - As Evaluated				-
K.2				-

Prepared by: 
 MICHAEL D. FORINO
 Engineer II

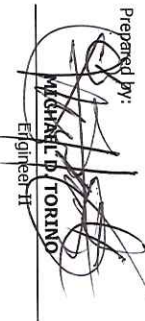
Checked/Reviewed: 
 ISIDRA A. ESTANISLAO
 Engineer IV

Network Development - Road Widening - Primary Roads - Lanao-Pagadian-Zamboanga City Road, Zamboanga Sibugay
Zamboanga Sibugay
DETAILED UNIT PRICE ANALYSIS

FORM-POW-2015-01D-00

Item No./Description : Surplus Rock Excavation
 Unit of Measurement : 2,502.50 cum
 Output per hour-As Submitted : 42.00
 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. Bulldozer w/ Ripper	1	1.00	3,885.85	3,885.85
b. Payloader	1	1.00	1,733.00	1,733.00
c. Payloader (at disposal area)	1	0.20	1,733.00	346.60
d. Dumptruck	2	1.00	1,420.00	2,840.00
e. Backhoe w/ Breaker	1	0.50	1,998.10	999.05
Sub-Total for B-1 As Submitted				9,804.50
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				9,975.76
C.2				
Total (A.2+B.2) - As Evaluated				-
D.1				
Output per Hour - As Submitted				80.00
D.2				
Output per Hour - As Evaluated				-
E.1				
Direct Unit Cost (C.1 +D.1) - As Submitted				124.70
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				124.70
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted			2%/9%/7%/6% of G.1	12.47
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated			2%/9%/7%/6% of G.1	-
I.1				
Contractor's Profit - As Submitted			10%/8% of G.1	9.98
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+J1)	7.36
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)	154.50
K.2				
Total Unit Cost - As Evaluated			(G.2+H2+I2+J2)	-

Prepared by:

 MICHAEL D. TORINO
 Engineer II

Checked/Reviewed

 ISIDRA A. ESTANISLAO
 Engineer IV

Network Development - Road Widening - Primary Roads - Lanao-Pagadian-Zamboanga City Road, Zamboanga Sibugay
Zamboanga Sibugay
DETAILED UNIT PRICE ANALYSIS

FORM-POW-2015-01D-00

Item No./Description : Structure Excavation
 Unit of Measurement : 60.00 cu.m
 Output per hour-As Submitted : 20.00
 Output per hour-As Evaluated :

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
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	1	2.00	1,420.00	2,840.00
b. Backhoe	1	1.00	1,537.00	1,537.00
c. Minor Tools (10% of Labor)				21.64
Sub-Total for B-1 As Submitted				4,398.64
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				4,615.06
Total (A.1+B.1) - As Submitted				
C.2				-
Total (A.2+B.2) - As Evaluated				
D.1				20.00
Output per Hour - As Submitted				
D.2				-
Output per Hour - As Evaluated				230.75
E.1				
Direct Unit Cost (C.1 +D.1) - As Submitted				
E.2				-
Direct Unit Cost (C.2 +D.2) - As Evaluated				
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
Materials				
F.1				
				-
				-
				-
Sub-Total for F-1 As Submitted				-
Materials				
F.2				
Sub-Total for F-2 As Evaluated				-
G.1				230.75
Direct Unit Cost (E.1+F.1) - As Submitted				
G.2				-
Direct Unit Cost (E.2+F.2) - As Evaluated				
H.1			12%/9%/7%/6% of G.1	23.08
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted			12%/9%/7%/6% of G.1	-
H.2			10%/8% of G.1	18.46
Contractor's Profit - As Submitted			10%/8% of G.1	-
I.1			5% of (G.1+H1+I1)	13.61
Value Added Tax - As Submitted			5% of (G.2+H2+I2)	-
J.1			5% of (G.1+H1+I1)	
Value Added Tax - As Evaluated			5% of (G.2+H2+I2)	
K.1			(G.1+H1+I1+J1)	285.90
Total Unit Cost - As Submitted			(G.2+H2+I2+J1)	-
K.2				

Prepared by:

MICHAEL D. TORTINO
 Engineer II

Checked/Reviewed

ISIDRA A. ESTANISLAO
 Engineer IV

Network Development - Road Widening - Primary Roads - Lanaso-Pagadian Zamboanga City Road, Zamboanga Sibugay

Zamboanga Sibugay

DETAILED UNIT PRICE ANALYSIS

FORM-POW-2015-01D-00

Item No./Description : Foundation Fill

Unit of Measurement : 13.00 cu.m
Output per hour-As Submitted : 1.25
Output per hour-As Evaluated : -

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
Labor				
a. Construction Foreman	1	1.00	80.95	80.95
A.1 b. Laborer	4	1.00	45.16	180.63
Sub-Total for A-1 As Submitted				261.58
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. Plate Compactor	1	1.00	123.00	123.00
B.1 b. Water Truck/Pump	1	0.01	2,450.00	24.50
c. Minor Tools (10% of Labor)				26.16
Sub-Total for B-1 As Submitted				173.66
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1 Total (A.1+B.1) - As Submitted				435.23
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 (G.1 +D.1) - As Submitted				348.19
E.2 Direct Unit Cost (C.2 +D.2) - As Evaluated				-
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
Materials				
F.1 a. Filling Materials	cu.m	1.15	1,039.50	1,195.43
				-
Sub-Total for F-1 As Submitted				1,195.43
Materials				
F.2				
Sub-Total for F-2 As Evaluated				-
G.1 Direct Unit Cost (E.1+F.1) - As Submitted				1,543.61
G.2 Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1 Overhead, Contingencies & Miscellaneous (OCM) - As Submitted			2%/9%/7%/6% of G.1	154.36
H.2 Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated			2%/9%/7%/6% of G.1	-
I.1 Contractor's Profit - As Submitted			10%/8% of G.1	123.49
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)	91.07
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)	1,912.54
K.2 Total Unit Cost - As Evaluated			(G.2+H2+I2+J2)	-

Prepared by:


MICHAEL D. PORINO
Engineer II

Checked/Reviewed


ISIDRA A. ESTANISLAO
Engineer IV

Network Development - Road Widening - Primary Roads - Lanao-Pagadian-Zamboanga City Road, Zamboanga Sibugay
Zamboanga Sibugay

DETAILED UNIT PRICE ANALYSIS

FORM-POW-2015-01D-00

Item No./Description : Pipe Culverts and Drain Excavation
 Unit of Measurement : 266.00 cu.m
 Output per hour-As Submitted : 20.00
 Output per hour-As Evaluated :

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

Prepared by:


MICHAEL D. TORINO
 Engineer II

Checked/Reviewed


ISIDRA A. ESTANISLAO
 Engineer IV

Network Development - Road Widening - Primary Roads - Lanao-Pagadian-Zamboanga City Road, Zamboanga Sibugay
Zamboanga Sibugay
DETAILED UNIT PRICE ANALYSIS

FORM-POW-2015-01D-00


Item No./Description : Embankment from Roadway Excavation
Unit of Measurement : 6,338.00 cum
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				
<i>For Excavation Work</i>				
a. Construction Foreman	1	0.83	80.95	67.19
b. Laborer	2	0.83	45.16	74.96
A.1				
<i>Spreading and Compaction</i>				
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				313.41
Labor				
A.2				
Sub-Total for A-2 As Evaluated				-
Equipment				
<i>For Excavation Work</i>				
a. Bulldozer	1	0.83	3,379.00	2,804.57
b. Payloader	1	0.83	1,733.00	1,438.39
c. Dumptruck	2	0.83	1,420.00	2,357.20
B.1				
<i>Spreading and Compaction</i>				
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				11,231.66
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				11,545.07
C.2				
Total (A.2+B.2) - As Evaluated				-
D.1				
Output per Hour - As Submitted				50.00
D.2				
Output per Hour - As Evaluated				-
E.1				
Direct Unit Cost (C.1 +D.1) - As Submitted				230.90
E.2				
Direct Unit Cost (C.2 +D.2) - As Evaluated				-
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
F.1				
Materials				
Sub-Total for F-1 As Submitted				-
Materials				
F.2				
Sub-Total for F-2 As Evaluated				-
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				230.90
G.2				
Overhead Unit Cost (E.2+F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted			12%/9%/7%/6% of G.1	23.09
H.2			12%/9%/7%/6% of G.1	-
I.1			10%/8% of G.1	18.47
I.2			10%/8% of G.1	-
J.1			5% of (G.1+H1+I1)	13.62
J.2			5% of (G.2+H2+I2)	-
K.1			(G.1+H1+I1+J1)	286.09
K.2			(G.2+H2+I2+J1)	-

Prepared by:


MICHAEL D. TORINO
Engineer II

Checked/Reviewed


ISIDRA A. ESTANISLAO
Engineer IV

Network Development - Road Widening - Primary Roads - Lanao-Pagadian-Zamboanga City Road, Zamboanga Sibugay
Zamboanga Sibugay
DETAILED UNIT PRICE ANALYSIS

FORM-POW-2015-01D-00

Item No./Description : Subgrade Preparation
Unit of Measurement : 17,247.50 sq.m
Output per hour-As Submitted : 300.00
Output per hour-As Evaluated :

	Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
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
A.2	Labor				
					-
					-
Sub-Total for A-2 As Evaluated					
Name and Capacity		No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
	Equipment				
	a. Motorized Road Grader	1	1.00	2,173.00	2,173.00
	b. Vibratory Roller	1	1.00	1,846.00	1,846.00
B.1	c. Water Truck/Pump	1	0.25	2,450.00	612.50
Sub-Total for B-1 As Submitted					4,631.50
B.2	Equipment				
Sub-Total for B-2 As Evaluated					
C.1	Total (A.1+B.1) - As Submitted				4,802.76
C.2	Total (A.2+B.2) - As Evaluated				-
D.1	Output per Hour - As Submitted				300.00
D.2	Output per Hour - As Evaluated				-
E.1	Direct Unit Cost (C.1 ÷ D.1) - As Submitted				16.01
E.2	Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				-
F.1	Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
	Materials				
					-
F.2	Sub-Total for F-1 As Submitted				-
	Materials				
					-
Sub-Total for F-2 As Evaluated					-
G.1	Direct Unit Cost (E.1+F.1) - As Submitted				16.01
G.2	Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1	Overhead, Contingencies & Miscellaneous (OCM) - As Submitted			12%/9%/7%/6% of G.1	1.60
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	1.28
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)	0.94
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)	19.84
K.2	Total Unit Cost - As Evaluated			(G.2+H2+I2+J1)	-

Prepared by:

MICHAEL D. TORINO
Engineer II

Checked/Reviewed

ISIDRA A. ESTANISLAO
Engineer IV

Network Development - Road Widening - Primary Roads - Lanao-Pagadian-Zamboanga City Road, Zamboanga Sibugay
Zamboanga Sibugay
DETAILED UNIT PRICE ANALYSIS

FORM-POW-2015-010-00

Item No./Description : Aggregate Subbase Course
 Unit of Measurement : 7,389.50 cum
 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.)
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				-
	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
B.2					
	Sub-Total for B-2 As Evaluated				-
	Equipment				
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				-
F.1	Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
	Materials				
	a. Aggregate Subbase Course	cum	1.15	1,039.50	1,195.43
F.2	Sub-Total for F-1 As Submitted				1,195.43
	Materials				
					-
G.1	Sub-Total for F-2 As Evaluated				-
	Direct Unit Cost (E.1+F.1) - As Submitted				1,291.48
	Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1	Overhead, Contingencies & Miscellaneous (OCM) - As Submitted			12%/9%/7%/6% of G.1	129.15
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	103.32
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)	76.20
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)	1,600.14
K.2	Total Unit Cost - As Evaluated			(G.2+H2+I2+J1)	-

Prepared By: 
 MICHAEL D. TORINO
 Engineer II

Checked/Reviewed 
 ISIDRA A. ESTANISLAO
 Engineer IV

Network Development - Road Widening - Primary Roads - Lanao-Pagadian-Zamboanga City Road, Zamboanga Sibugay
Zamboanga Sibugay
DETAILED UNIT PRICE ANALYSIS

FORM-POW-2015-010-00

Item No./Description : Portland Cement Concrete Pavement


Unit of Measurement : 8,091.50 sq.m

Output per hour-As Submitted : 107.33

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	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				-
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/Pump	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)				42.86
				-
Sub-Total for B-1 As Submitted				12,039.47
Equipment				
				-
B.2				
Sub-Total for B-2 As Evaluated				-
C.1				
Total (A.1+B.1) - As Submitted				12,896.73
C.2				
Total (A.2+B.2) - As Evaluated				-
D.1				
Output per Hour - As Submitted				107.33
D.2				
Output per Hour - As Evaluated				-
E.1				
Direct Unit Cost (C.1 +D.1) - As Submitted				120.16
E.2				
Direct Unit Cost (C.2 +D.2) - As Evaluated				-
Materials				
a. Reinforcing Steel Bar	kg	0.330	40.00	13.20
b. Curing Compound	ltr	0.290	40.00	11.60
c. Asphalt Sealant	ltr	0.120	75.00	9.00
d. Steel Forms	m	0.460	40.00	18.40
e. Sand	cum	0.083	1,103.50	91.04
f. Gravel	cum	0.150	1,153.50	173.03
g. Cement	bag	1.430	273.11	390.54
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				709.21
Materials				
				-
F.2				
				-
Sub-Total for F-2 As Evaluated				-
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				829.37
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	82.94
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	66.35
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)	48.93
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)	1,027.59
K.2				
Total Unit Cost - As Evaluated			(G.2+H2+I2+J2)	-

Prepared by:


MICHAEL D. TORINO
Engineer IV

Checked/Reviewed


ISIDRA A. ESTANISLAO
Engineer IV

Network Development - Road Widening - Primary Roads - Lanao-Pagadian-Zamboanga City Road, Zamboanga Sibugay
Zamboanga Sibugay

DETAILED UNIT PRICE ANALYSIS

FORM-PDW-2015-01D-00

Item No./Description : Portland Cement Concrete Pavement

Unit of Measurement : 9,903.00 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.)
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				
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				-
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
Materials				
a. Reinforcing Steel Bar	kg	0.50	40.00	20.00
b. Curing Compound	ltr	0.29	40.00	11.60
c. Asphalt Sealant	ltr	0.17	75.00	12.75
d. Steel Forms	m	0.46	40.00	18.40
e. Sand	cum	0.15	1,103.50	169.94
f. Gravel	cum	0.28	1,153.50	322.98
g. Cement	bag	2.66	273.11	726.47
h. Concrete Saw	pc	0.00	8,000.00	1.20
i. Pipe Sleeve	m	0.01	133.00	1.04
j. Grease/Tur	ltr	0.01	21.00	0.16
Sub-Total for F-1 As Submitted				1,284.54
Materials				
F.2				
Sub-Total for F-2 As Evaluated				-
G.1 Direct Unit Cost (E.1+F.1) - As Submitted				1,508.83
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	150.88
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	120.71
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)	89.02
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)	1,869.44
K.2 Total Unit Cost - As Evaluated			(G.2+H.2+I.2+J.2)	-

Prepared by:

M. DANIEL D. FORTINO
Engineer II

Checked/Reviewed

ISIDRA A. ESTANISLAO
Engineer IV

Network Development - Road Widening - Primary Roads - Lanao-Pagadian-Zamboanga City Road, Zamboanga Sibugay
Zamboanga Sibugay

DETAILED UNIT PRICE ANALYSIS

Item No./Description

: Reinforcing Steel (Grade 40)

FORM-POW-2015-01D-00

Unit of Measurement : 151,559.50 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				-
				-
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. 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
d. Truck Mounted Crane	1	0.15	1,861.00	279.15
Sub-Total for B-1 As Submitted				746.45
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				1,305.87
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				7.25
E.2				
Direct Unit Cost (C.2 +D.2) - As Evaluated				-
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	40.00	42.00
F.1				
Sub-Total for F-1 As Submitted				43.68
Materials				
F.2				
Sub-Total for F-2 As Evaluated				-
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				50.93
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	5.09
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	4.07
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)	3.01
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)	63.11
K.2				
Total Unit Cost - As Evaluated			(G.2+H2+I2+J1)	-

Prepared by:


Michael D. TORINO
 Engineer II

Checked/Reviewed


ISIDRA A. ESTANISLAO
 Engineer IV

Network Development - Road Widening - Primary Roads - Lanao-Pagadian-Zamboanga City Road, Zamboanga Sibugay
Zamboanga Sibugay
DETAILED UNIT PRICE ANALYSIS

FORM-POW-2015-01D-00

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

Unit of Measurement : 533.50 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.)
A.1	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				-
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
	d. Truck Mounted Crane	1	0.15	1,861.00	279.15
	Sub-Total for B-1 As Submitted				746.45
	Equipment				
B.2					
	Sub-Total for B-2 As Evaluated				
C.1	Total (A.1+B.1) - As Submitted				1,305.87
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				7.25
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	42.00	44.10
	Sub-Total for F-1 As Submitted				45.78
	Materials				
F.2					
	Sub-Total for F-2 As Evaluated				-
G.1	Direct Unit Cost (E.1+F.1) - As Submitted				53.03
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	5.30
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	4.24
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)	3.13
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)	65.71
K.2	Total Unit Cost - As Evaluated			(G.2+H2+I2+J1)	-

Prepared By: 
 MICHAEL D. TORINO
 Engineer II

Checked/Reviewed: 
 ISIDRA A. ESTANISLAO
 Engineer IV

Network Development - Road Widening - Primary Roads - Lanao-Pagadian-Zamboanga City Road, Zamboanga Sibugay
Zamboanga Sibugay
DETAILED UNIT PRICE ANALYSIS

FORM-POW-2015-01D-00

Item No./Description : Structural Concrete, Class A

Unit of Measurement : 1,914.00 cum
 Output per hour-As Submitted : 1.40
 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	4	1.00	58.61	234.44
c. Laborer	8	1.00	45.16	361.25
<i>Installation/Removal of Formworks</i>				-
a. Skilled Laborer	4	1.00	58.61	234.44
b. Laborer	8	1.00	45.16	361.25
Sub-Total for A-1 As Submitted				1,272.32
Labor				-
A.2				-
Sub-Total for A-2 As Evaluated				-
Name and Capacity	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
Equipment				
a. One Bagger Mixer	1	1.00	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)				63.62
Sub-Total for B-1 As Submitted				571.87
Equipment				-
B.2				-
Sub-Total for B-2 As Evaluated				-
C.1				1,844.19
Total (A.1+B.1) - As Submitted				-
C.2				-
Total (A.2+B.2) - As Evaluated				1.40
D.1				-
Output per Hour - As Submitted				-
D.2				-
Output per Hour - As Evaluated				1,317.28
E.1				-
Direct Unit Cost (C.1 +D.1) - As Submitted				-
E.2				-
Direct Unit Cost (C.2 +D.2) - As Evaluated				-
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
Materials				
a. Lumber, Good	bd.ft	17.50	40.00	700.00
b. Marine Plywood	pc	0.40	795.00	318.00
c. Assorted CWN	kg	0.70	65.00	45.50
d. Cement	bag	9.50	273.11	2,594.52
e. Sand	cum	0.50	1,103.50	551.75
f. Gravel	cum	1.00	1,153.50	1,153.50
Sub-Total for F-1 As Submitted				5,363.27
Materials				-
F.2				-
Sub-Total for F-2 As Evaluated				-
G.1				6,680.55
Direct Unit Cost (E.1+F.1) - As Submitted				-
G.2				-
Direct Unit Cost (E.2+F.2) - As Evaluated				668.05
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	534.44
I.1				-
Contractor's Profit - As Submitted			10%/8% of G.1	-
I.2				-
Contractor's Profit - As Evaluated			10%/8% of G.1	394.15
J.1				-
Value Added Tax - As Submitted			5% of (G.1+H1+I1)	-
J.2				-
Value Added Tax - As Evaluated			5% of (G.2+H2+I2)	8,277.20
K.1				-
Total Unit Cost - As Submitted			(G.1+H1+I1+J1)	-
K.2				-
Total Unit Cost - As Evaluated			(G.2+H2+I2+J1)	-

Prepared by:

 MICHAEL D. TORLINO
 Engineer II

Checked/Reviewed


 ISIDRA A. ESTANISLAO
 Engineer IV

Network Development - Road Widening - Primary Roads - Lanao-Pagadian-Zamboanga City Road, Zamboanga Sibugay
Zamboanga Sibugay
DETAILED UNIT PRICE ANALYSIS

FORM-POW-2015-01D-00

Item No./Description : Reinforced Concrete Culverts Pipe, 910 mm dia
Unit of Measurement : 1,497.00 In.m
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				
a. Construction Foreman	1	1.00	80.95	80.95
b. Skilled Laborer	2	1.00	58.61	117.22
c. Laborer	4	1.00	45.16	180.63
Sub-Total for A-1 As Submitted				378.79
Labor				-
A.2				
Sub-Total for A-2 As Evaluated				-
Name and Capacity	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
Equipment				
B.1				
a. Backhoe	1	0.29	1,537.00	445.73
b. Plate Compactor	1	0.29	123.00	35.67
Minor Tools (10% of Labor Cost)				37.88
Sub-Total for B-1 As Submitted				519.28
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				898.07
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				898.07
E.2				
Direct Unit Cost (C.2 +D.2) - As Evaluated				-
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
Materials				
F.1				
a. Portland Cement	bag	1.08	273.11	294.96
b. Sand	cu.m	0.06	1,103.50	67.31
c. RC Pipes (910 mm dia.)	pc	1.00	1,911.00	1,911.00
d. Sand Bedding/Selected Sandy Soil	cu.m	0.13	1,103.50	141.25
Sub-Total for F-1 As Submitted				2,414.52
Materials				
F.2				
Sub-Total for F-2 As Evaluated				-
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				3,312.59
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	331.26
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	265.01
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)	195.44
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)	4,104.30
K.2				
Total Unit Cost - As Evaluated			(G.2+H2+I2+J2)	-

Prepared by: 
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Engineer IV

Network Development - Road Widening - Primary Roads - Lanao-Pagadian-Zamboanga City Road, Zamboanga Sibugay
Zamboanga Sibugay
DETAILED UNIT PRICE ANALYSIS

FORM-POW-2015-01D-00

Item No./Description : Grouted Riprap, Class "A"
 Unit of Measurement : 18.50 cu.m
 Output per hour-As Submitted : 1.25
 Output per hour-As Evaluated : -

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
Labor				
a. 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				-
Name and Capacity	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
Equipment				
a. One Bagger Mixer	1	1.00	172.00	172.00
b. Water Truck/Pump	1	0.05	2,450.00	122.50
Minor Tools (10% of Labor Cost)				55.94
Sub-Total for B-1 As Submitted				350.44
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				-
C.1				
Total (A.1+B.1) - As Submitted				909.86
C.2				
Total (A.2+B.2) - As Evaluated				-
D.1				
Output per Hour - As Submitted				1.25
D.2				
Output per Hour - As Evaluated				-
E.1				
Direct Unit Cost (C.1 +D.1) - As Submitted				727.89
E.2				
Direct Unit Cost (C.2 +D.2) - As Evaluated				-
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
Materials				
a. Portland Cement	bag	3.00	273.11	819.32
b. Sand	cu.m	0.25	1,103.50	275.88
c. Gravel Fill	cu.m	0.02	1,153.50	17.30
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	1,203.50	1,263.68
Miscellaneous (1% of Materials Cost)				24.18
Sub-Total for F-1 As Submitted				2,442.66
Materials				
F.2				
Sub-Total for F-2 As Evaluated				-
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				3,170.55
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	317.05
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	253.64
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)	187.06
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)	3,928.31
K.2				
Total Unit Cost - As Evaluated			(G.2+H2+I2+J1)	-

Prepared By: 
 MICHAEL D. TORINO
 Engineer II

Checked/Reviewed: 
 ISIDRA A. ESTANISLAO
 Engineer IV


Network Development - Road Widening - Primary Roads - Lanao-Pagadian-Zamboanga City Road, Zamboanga Sibuag
Zamboanga Sibuag

DETAILED UNIT PRICE ANALYSIS

FORM-POW-2015-01D-00

Item No./Description : Stone Masonry
Unit of Measurement : 43.00 cu.m
Output per hour-As Submitted : 1.60
Output per hour-As Evaluated : -

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
Labor				
a. 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				-
Name and Capacity	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
Equipment				
a. One Bagger Mixer	1	1.00	172.00	172.00
b. Water Truck/Pump	1	0.05	2,450.00	122.50
c. Backhoe	1	0.10	1,537.00	153.70
Minor Tools (10% of Labor Cost)				55.94
Sub-Total for B-1 As Submitted				504.14
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				1,063.56
Total (A.1+B.1) - As Submitted				
C.2				-
Total (A.2+B.2) - As Evaluated				
D.1				1.60
Output per Hour - As Submitted				
D.2				-
Output per Hour - As Evaluated				
E.1				664.73
Direct Unit Cost (C.1 +D.1) - As Submitted				
E.2				-
Direct Unit Cost (C.2 +D.2) - As Evaluated				
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
Materials				
a. Portland Cement	bag	5.50	273.11	1,502.09
b. Sand	cu.m	0.30	1,103.50	331.05
c. Gravel Fill	cu.m	0.02	1,153.50	17.30
d. Weep Holes	m	0.30	350.00	105.00
e. Filter Cloth	sq.m	0.02	160.00	2.40
f. Boulder	cu.m	1.05	1,203.50	1,263.68
Miscellaneous (1% of Materials Cost)				32.22
Sub-Total for F-1 As Submitted				3,253.74
Materials				
F.2				
Sub-Total for F-2 As Evaluated				-
G.1				3,918.46
Direct Unit Cost (E.1+F.1) - As Submitted				
G.2				-
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated			12%/9%/7%/6% of G.1	391.85
H.1				-
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated			12%/9%/7%/6% of G.1	-
I.1				313.48
Contractor's Profit - As Submitted			10%/8% of G.1	
I.2				-
Contractor's Profit - As Evaluated			10%/8% of G.1	
J.1				231.19
Value Added Tax - As Submitted			5% of (G.1+H1+I1)	
J.2				-
Value Added Tax - As Evaluated			5% of (G.2+H2+I2)	
K.1				4,854.97
Total Unit Cost - As Submitted			(G.1+H1+I1+J1)	
K.2				-
Total Unit Cost - As Evaluated			(G.2+H2+I2+J1)	

Prepared By: 
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Engineer II

Checked/Reviewed: 
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Engineer IV

Network Development - Road Widening - Primary Roads - Lanao-Pagadian-Zamboanga City Road, Zamboanga Sibugay
Zamboanga Sibugay

DETAILED UNIT PRICE ANALYSIS

FORM-POW-2015-01D-00

Item No./Description : Reflectorized Thermoplastic Pavement Markings White

Unit of Measurement : 295.50 sq.m
 Output per hour-As Submitted : 25.00
 Output per hour-As Evaluated : -

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
Labor				
A.1				
a. 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				-
Name and Capacity	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
Equipment				
B.1				
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				-
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
Materials				
a. Thermoplastic Paint (white)	bag	0.33	1,585.00	515.13
b. Glass Beads	bag	0.03	2,500.00	82.50
c. Primer	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. Calsimine	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			12%/9%/7%/6% of G.1	73.17
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	58.54
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)	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:


MICHAEL D. TORINO
 Engineer II

Checked/Reviewed


ISIDRA A. ESTANISLAO
 Engineer IV

Network Development - Road Widening - Primary Roads - Lanao-Pagadian-Zamboanga City Road, Zamboanga Sibugay
DETAILED UNIT PRICE ANALYSIS

FORM-POW-2015-01D-00

Item No./Description : Coconet Bio-Engineering Solutions (Coconet)

Unit of Measurement : 227.00 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
A.1 b. Laborer	8	1.00	45.16	361.25
Sub-Total for A-1 As Submitted				442.20
Labor				
A.2				
Sub-Total for A-2 As Evaluated				-
Name and Capacity	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
Equipment				
a. Water Truck/Pump	1	0.25	2,450.00	612.50
B.1 Minor Tools (10% of Labor Cost)				44.22
Sub-Total for B-1 As Submitted				656.72
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1 Total (A.1+B.1) - As Submitted				1,098.92
C.2 Total (A.2+B.2) - As Evaluated				-
D.1 Output per Hour - As Submitted				50.00
D.2 Output per Hour - As Evaluated				-
E.1 Direct Unit Cost (C.1 +D.1) - As Submitted				21.98
E.2 Direct Unit Cost (C.2 +D.2) - As Evaluated				-
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
Materials				
a. Erosion Control Net CGN 400	sq.m	1.05	115.00	120.75
F.1				
Sub-Total for F-1 As Submitted				120.75
Materials				
F.2				
Sub-Total for F-2 As Evaluated				-
G.1 Direct Unit Cost (E.1+F.1) - As Submitted				142.73
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	14.27
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	11.42
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)	8.42
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)	176.84
K.2 Total Unit Cost - As Evaluated			(G.2+H.2+I.2+J.2)	-

Prepared By:


 MICHAEL D. TORINO
 Engineer II

Checked/Reviewed


 ISIDRA A. ESTANISLAO
 Engineer IV

Network Development - Road Widening - Primary Roads - Lanao-Pagadian-Zamboanga City Road, Zamboanga Sibugay
Zamboanga Sibugay

DETAILED UNIT PRICE ANALYSIS

FORM-POW-2015-01D-00

Item No./Description : Coconet Bio-Engineering Solutions (Coconet)

Unit of Measurement : 272.00 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. Laborer	8	1.00	45.16	361.25
A.1				
Sub-Total for A-1 As Submitted				442.20
Labor				
				-
A.2				
Sub-Total for A-2 As Evaluated				-
Name and Capacity	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
Equipment				
a. Water Truck/Pump	1	0.25	2,450.00	612.50
Minor Tools (10% of Labor Cost)				44.22
B.1				
Sub-Total for B-1 As Submitted				656.72
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				1,098.92
C.2				
Total (A.2+B.2) - As Evaluated				-
D.1				
Output per Hour - As Submitted				50.00
D.2				
Output per Hour - As Evaluated				-
E.1				
Direct Unit Cost (C.1 +D.1) - As Submitted				21.98
E.2				
Direct Unit Cost (C.2 +D.2) - As Evaluated				-
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
Materials				
a. Erosion Control Net CGN 700	sq.m	1.05	110.00	115.50
F.1				
Sub-Total for F-1 As Submitted				115.50
Materials				
F.2				
Sub-Total for F-2 As Evaluated				-
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				137.48
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	13.75
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	11.00
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)	8.11
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)	170.34
K.2				
Total Unit Cost - As Evaluated			(G.2+H2+I2+J2)	-

Prepared by:

MICHAEL D. TORINO
 Engineer II

Checked/Reviewed

ISIDRA A. ESTANISLAO
 Engineer IV

Network Development - Road Widening - Primary Roads - Lanao-Pagadian-Zamboanga City Road, Zamboanga Sibugay
Zamboanga Sibugay

DETAILED UNIT PRICE ANALYSIS

Item No./Description

: Coconut Bio-Engineering Solutions (Cocologs/Fascine)

FORM-POW-2015-01D-00

Unit of Measurement : 80.00 In.m
 Output per hour-As Submitted : 15.00
 Output per hour-As Evaluated : -

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
Labor				
a. Construction Foreman	1	1.00	80.95	80.95
A.1 b. Laborer	8	1.00	45.16	361.25
Sub-Total for A-1 As Submitted				442.20
Labor				
				-
A.2				
Sub-Total for A-2 As Evaluated				-
Name and Capacity	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
Equipment				
B.1 Minor Tools (10% of Labor Cost)			-	44.22
Sub-Total for B-1 As Submitted				44.22
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1 Total (A.1+B.1) - As Submitted				486.42
C.2 Total (A.2+B.2) - As Evaluated				-
D.1 Output per Hour - As Submitted				15.00
D.2 Output per Hour - As Evaluated				-
E.1 Direct Unit Cost (C.1 +D.1) - As Submitted				32.43
E.2 Direct Unit Cost (C.2 +D.2) - As Evaluated				-
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
Materials				
a. Coco Fiber Roll (CGR 200)	m	1.05	445.00	467.25
F.1				
Sub-Total for F-1 As Submitted				467.25
Materials				
F.2				
Sub-Total for F-2 As Evaluated				-
G.1 Direct Unit Cost (E.1+F.1) - As Submitted				499.68
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	49.97
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	39.97
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)	29.48
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)	619.10
K.2 Total Unit Cost - As Evaluated			(G.2+H2+I2+J1)	-

Prepared by:


MICHAEL D. TORINO
 Engineer II

Checked/Reviewed


ISIDRA A. ESTANISLAO
 Engineer IV

Network Development - Road Widening - Primary Roads - Lanao-Pagadian-Zamboanga City Road, Zamboanga Sibugay
Zamboanga Sibugay
DETAILED UNIT PRICE ANALYSIS

FORM-POW-2015-01D-00

Item No./Description : Coconet Bio-Engineering Solutions (Vegetation)

Unit of Measurement : 499.00 sq.m
 Output per hour-As Submitted : 62.50
 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. Laborer	2	1.00	45.16	90.31
A.2	Sub-Total for A-1 As Submitted				171.26
	Labor				
	Sub-Total for A-2 As Evaluated				-
B.1	Equipment				
	a. Hydroseeding Machine	1	1.00	952.00	952.00
	b. Water Truck/Pump	1	1.00	2,450.00	2,450.00
B.2	Sub-Total for B-1 As Submitted				3,402.00
	Equipment				
	Sub-Total for B-2 As Evaluated				
C.1	Total (A.1+B.1) - As Submitted				3,573.26
C.2	Total (A.2+B.2) - As Evaluated				-
D.1	Output per Hour - As Submitted				62.50
D.2	Output per Hour - As Evaluated				-
E.1	Direct Unit Cost (C.1 +D.1) - As Submitted				57.17
E.2	Direct Unit Cost (C.2 +D.2) - As Evaluated				-
F.1	Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
	Materials				
	a. Grass Cover	sq.m	1.00	98.00	98.00
F.2	Sub-Total for F-1 As Submitted				98.00
	Materials				
	Sub-Total for F-2 As Evaluated				-
G.1	Direct Unit Cost (E.1+F.1) - As Submitted				155.17
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	15.52
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	12.41
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)	9.16
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)	192.26
K.2	Total Unit Cost - As Evaluated			(G.2+H2+I2+J1)	-

Prepared by:


 MICHAEL D. FORINO
 Engineer II

Checked/Reviewed


 ISIDRA A. ESTANISLAO
 Engineer IV

Network Development - Road Widening - Primary Roads - Lanao-Pagadian-Zamboanga City Road, Zamboanga Sibugay
Zamboanga Sibugay
DETAILED UNIT PRICE ANALYSIS

FORM-POW-2015-01D-00

Item No./Description : Concrete Curb & Gutter
 Unit of Measurement : 1,466.50 In.m
 Output per hour-As Submitted : 10.30
 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	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. Bagger Mixer	1	1.00	172.00	172.00
b. Water Truck	1	0.05	2,450.00	122.50
c. Concrete Vibrator	1	1.00	91.25	91.25
Minor Tools (10% of Labor Cost)				67.66
Sub-Total for B-1 As Submitted				453.41
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				1,130.05
C.2				
Total (A.2+B.2) - As Evaluated				-
D.1				
Output per Hour - As Submitted				10.30
D.2				
Output per Hour - As Evaluated				-
E.1				
Direct Unit Cost (C.1 ÷ D.1) - As Submitted				109.71
E.2				
Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				-
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
Materials				
a. Portland Cement	bag	1.30	273.11	355.04
b. Fine Aggregates	cu.m	0.07	1,103.50	77.25
c. Course Aggregates	cu.m	0.14	1,153.50	161.49
d. Marine Plywood	pcs	0.06	393.00	24.56
e. Form Lumber	bd.ft	2.88	15.00	43.13
f. CW Nails	kgs	0.11	67.00	7.37
Miscellaneous (2% of Materials)				13.38
Sub-Total for F-1 As Submitted				682.21
Materials				
F.2				
Sub-Total for F-2 As Evaluated				-
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				791.92
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	79.19
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	63.35
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)	46.72
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)	981.19
K.2				
Total Unit Cost - As Evaluated			(G.2+H.2+I.2+J.2)	-

Prepared by

MICHAEL D. TORINO
 Engineer II

Checked/Reviewed

ISIDRA A. ESTANISLAO
 Engineer IV

Network Development - Road Widening - Primary Roads - Lanao-Pagadian-Zamboanga City Road, Zamboanga Sibugay
Zamboanga Sibugay
DETAILED UNIT PRICE ANALYSIS

FORM-POW-2015-01D-00

Item No./Description : Conduit, Boxes and Fittings (Conduit works / Conduit Rough-ins)
 Unit of Measurement : 1.00 L.S.
 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	327.90	80.95	26,543.91
	b. Skilled Laborer	1	327.90	58.61	19,217.81
	c. Laborer	1	327.90	45.16	14,806.73
	Sub-Total for A-1 As Submitted				60,568.46
	Labor				
A.2					
	Sub-Total for A-2 As Evaluated				-
B.1	Equipment				
	a. Boom Truck	1	327.90	1,017.90	333,769.41
	b.				-
	c.				-
	Minor Tools (10% of Labor Cost)				6,056.85
	Sub-Total for B-1 As Submitted				339,826.26
	Equipment				
B.2					
	Sub-Total for B-2 As Evaluated				-
C.1	Total (A.1+B.1) - As Submitted				400,394.71
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				400,394.71
E.2	Direct Unit Cost (C.2 +D.2) - As Evaluated				-
F.1	Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
	Materials				
	a. RSC Pipes 20mm x 3.0 mtrs.	pcs	75.00	504.00	37,800.00
	b.				
	Miscellaneous (2% of Materials)				756.00
	Sub-Total for F-1 As Submitted				38,556.00
	Materials				
F.2					
	Sub-Total for F-2 As Evaluated				-
G.1	Direct Unit Cost (E.1+F.1) - As Submitted				438,950.71
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	43,895.07
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	35,116.06
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+J1)	25,898.09
J.2	Value Added Tax - As Evaluated			5% of (G.2+H2+I2+J2)	-
K.1	Total Unit Cost - As Submitted			(G.1+H1+I1+J1)	543,859.93
K.2	Total Unit Cost - As Evaluated			(G.2+H2+I2+J2)	-

Prepared by

 MICHAEL D. TORINO
 Engineer III

Checked/Reviewed

 ISIDRA A. ESTANISLAO
 Engineer IV

Network Development - Road Widening - Primary Roads - Lanao-Pagadian-Zamboanga City Road, Zamboanga Sibugay
Zamboanga Sibugay

DETAILED UNIT PRICE ANALYSIS

FORM-POW-2015-01D-00

Item No./Description	:	Wires and Wiring Devices
Unit of Measurement	:	3,750.00 In.m.
Output per hour-As Submitted	:	18.75
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	1	1.00	58.61	58.61
	c. Laborer	1	1.00	45.16	45.16
	Sub-Total for A-1 As Submitted				184.72
	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. Boom Truck	1	1.00	1,017.90	1,017.90
	b.				-
	c.				-
	Minor Tools (10% of Labor Cost)				18.47
	Sub-Total for B-1 As Submitted				1,036.37
B.2	Equipment				
	Sub-Total for B-2 As Evaluated				
C.1	Total (A.1+B.1) - As Submitted				1,221.09
C.2	Total (A.2+B.2) - As Evaluated				-
D.1	Output per Hour - As Submitted				18.75
D.2	Output per Hour - As Evaluated				-
E.1	Direct Unit Cost (C.1 ÷ D.1) - As Submitted				65.12
E.2	Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				-
	Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
	Materials				
	a.ELECTRIC WIRES 3.5 mm² THWN	mts	1.00	25.00	25.00
	b. Electrical Tape Big	roll	1.00	35.00	35.00
	c. Rubber Tape Big	roll	1.00	110.00	110.00
F.1					
	d.				
	e.				
	f.				
	Miscellaneous (2% of Materials)				3.40
	Sub-Total for F-1 As Submitted				173.40
	Materials				
F.2					
	Sub-Total for F-2 As Evaluated				-
G.1	Direct Unit Cost (E.1+F.1) - As Submitted				238.52
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	23.85
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	19.08
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)	14.07
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)	295.53
K.2	Total Unit Cost - As Evaluated			(G.2+H2+I2+J1)	-

Prepared by:


MICHAEL D. IORIO
 Engineer II

Checked/Reviewed


ISIDRA A. ESTANISLAO
 Engineer IV

Network Development - Road Widening - Primary Roads - Lanao-Pagadian-Zamboanga City Road, Zamboanga Sibugay
Zamboanga Sibugay

DETAILED UNIT PRICE ANALYSIS

FORM-POW-2015-01D-00

Item No./Description : Solar Panel with Inverter, battery and other devices

Unit of Measurement : 1.00 L.S.

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				
a. Construction Foreman	1	150.00	80.95	12,142.69
b. Skilled Laborer	2	150.00	58.61	17,582.63
c. Laborer	2	150.00	45.16	13,546.88
Sub-Total for A-1 As Submitted				43,272.19
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. Boom Truck	1	150.00	1,017.90	152,685.00
b.				-
c.				-
Minor Tools (10% of Labor Cost)				4,327.22
Sub-Total for B-1 As Submitted				157,012.22
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				200,284.41
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				200,284.41
E.2				
Direct Unit Cost (C.2 +D.2) - As Evaluated				-
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
F.1				
Materials				
a.Solar Panel with Inverter, battery and other devices	unit	75.00	50,000.00	3,750,000.00
b. Electric Photocell	pcs.	75.00	588.00	44,100.00
c. Photocell Adaptor	pcs.	75.00	1,500.00	112,500.00
d. Magnetic Contactor, 2P, 50A, 220V	pcs.	75.00	1,103.00	82,725.00
e.Circuit Breaker, 50AT, 50AM, 2P, 230VAC	pcs.	75.00	1,200.00	90,000.00
Miscellaneous (2% of Materials)				81,586.50
Sub-Total for F-1 As Submitted				4,160,911.50
Materials				
F.2				
Sub-Total for F-2 As Evaluated				-
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				4,361,195.91
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	436,119.59
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	348,895.67
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)	257,310.56
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)	5,403,521.73
K.2				
Total Unit Cost - As Evaluated			(G.2+H2+I2+J1)	-

Prepared by:


MIGUEL D. TORINO
 Engineer II

Checked/Reviewed


ISIDRA A. ESTANISLAO
 Engineer IV

Network Development - Road Widening - Primary Roads - Lanao-Pagadian-Zamboanga City Road, Zamboanga Sibugay
Zamboanga Sibugay
DETAILED UNIT PRICE ANALYSIS

FORM-POW-2015-01D-00

Item No./Description : Lighting Fixtures and Lamps

Unit of Measurement : 1.00 L.S.

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	300.00	80.95	24,285.38
b. Skilled Laborer	4	300.00	58.61	70,330.50
c. Laborer	4	300.00	45.16	54,187.50
Sub-Total for A-1 As Submitted				148,803.38
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. Boom Truck	2	300.00	1,017.90	610,740.00
B.1				
Minor Tools (10% of Labor Cost)				14,880.34
Sub-Total for B-1 As Submitted				625,620.34
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1 Total (A.1+B.1) - As Submitted				774,423.71
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				774,423.71
E.2 Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				-
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
Materials				
a. LED STREET LIGHTS, 150 WATTS (Post Lamps)	unit	75.00	24,700.00	1,852,500.00
F.1				
Miscellaneous (2% of Materials)				37,050.00
Sub-Total for F-1 As Submitted				1,889,550.00
Materials				
F.2				
Sub-Total for F-2 As Evaluated				-
G.1 Direct Unit Cost (E.1+F.1) - As Submitted				2,663,973.71
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	266,397.37
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	213,117.90
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)	157,174.45
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)	3,300,663.43
K.2 Total Unit Cost - As Evaluated			(G.2+H2+I2+J1)	-

Prepared by: 
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Engineer II

Checked/Reviewed: 
ISIDRA A. ESTANISLAO
Engineer IV

Network Development - Road Widening - Primary Roads - Lanao-Pagadian-Zamboanga City Road, Zamboanga Sibugay
DETAILED UNIT PRICE ANALYSIS

FORM-POW-2015-01D-00

Item No./Description : Grounding System
 Unit of Measurement : 1.00 L.S.
 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				
a. Construction Foreman	1	300.00	80.95	24,285.38
b. Skilled Laborer	2	300.00	58.61	35,165.25
c. Laborer	2	300.00	45.16	27,093.75
Sub-Total for A-1 As Submitted				86,544.38
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. Boom Truck	1	300.00	1,017.90	305,370.00
b.				-
c.				-
Minor Tools (10% of Labor Cost)				8,654.44
Sub-Total for B-1 As Submitted				314,024.44
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				400,568.81
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				400,568.81
E.2				
Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				-
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
Materials				
a. Grounding System	L.S.	75.00	2,000.00	150,000.00
F.1				
Miscellaneous (2% of Materials)				3,000.00
Sub-Total for F-1 As Submitted				153,000.00
Materials				
F.2				
Sub-Total for F-2 As Evaluated				-
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				553,568.81
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	55,356.88
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	44,285.51
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)	32,660.56
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)	685,871.76
K.2				
Total Unit Cost - As Evaluated			(G.2+H2+I2+J2)	-

Prepared by:

 MICHAEL D. TORINO
 Engineer IV

Checked/Reviewed

 ISIDRA A. ESTANISLAO
 Engineer IV

Network Development - Road Widening - Primary Roads - Lanao-Pagadian-Zamboanga City Road, Zamboanga Sibugay
Zamboanga Sibugay
DETAILED UNIT PRICE ANALYSIS

FORM-POW-2015-01D-00

Item No./Description : Reinforced Concrete Pedestal/Pole
 Unit of Measurement : 1.00 L.S.
 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				
a. Construction Foreman	1	150.00	80.95	12,142.69
b. Skilled Laborer	8	150.00	58.61	70,330.50
c. Laborer	8	150.00	45.16	54,187.50
Sub-Total for A-1 As Submitted				136,660.69
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				
B.1				
a. Boom Truck	4	150.00	1,017.90	610,740.00
b. One Bagger Mixer	4	150.00	172.00	103,200.00
c. Concrete Vibrator	4	150.00	91.25	54,750.00
d. Water Truck/Pump	4	15.00	2,450.00	147,000.00
Minor Tools (10% of Labor Cost)				13,666.07
Sub-Total for B-1 As Submitted				929,356.07
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				1,066,016.76
Total (A.1+B.1) - As Submitted				-
C.2				1,00
Total (A.2+B.2) - As Evaluated				-
D.1				-
Output per Hour - As Submitted				-
D.2				1,066,016.76
Direct Unit Cost (C.1 +D.1) - As Submitted				-
E.1				-
Direct Unit Cost (C.2 +D.2) - As Evaluated				
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
Materials				
a. Streetlight Post with Anchor Bolts, 2500mm x 2500mm Base Plate, 3/8in x 3in Expansion Bolt, 7.5 mtrs. in height including pedestal, complete accessories)	Assy.	75.00	18,450.00	1,383,750.00
b. Portland Cement	bogs	37.50	282.50	10,593.75
c. 10mmØ Reinforcement Bars (Grade 40)	Kgs.	277.50	38.00	10,545.00
d. 16mmØ Reinforcement Bars (Grade 60)	Kgs.	473.25	40.00	18,930.00
e. #16 G.I. Tie Wire	Kgs.	11.25	92.00	1,035.00
f. Sand	cum	1.88	525.00	984.38
g. Gravel	cum	3.75	760.00	2,812.50
Miscellaneous (2% of Materials)				28,573.01
Sub-Total for F-1 As Submitted				1,457,223.64
Materials				
F.2				
Sub-Total for F-2 As Evaluated				-
G.1				2,523,240.39
Direct Unit Cost (E.1+F.1) - As Submitted				-
G.2				252,324.04
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				201,859.23
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				-
H.2				-
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1				148,874.18
Contractor's Profit - As Submitted				-
I.2				-
Contractor's Profit - As Evaluated				-
J.1				-
Value Added Tax - As Submitted				-
J.2				3,126,294.85
Value Added Tax - As Evaluated				-
K.1				-
Total Unit Cost - As Submitted				-
K.2				-
Total Unit Cost - As Evaluated				-

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