



REGION IX

PROGRAM OF WORK/BUDGET COST

FORM POW-2015-01-00

Project : Construction of By-Pass and Diversion Roads, Sominot - Mahayag Road, Zamboanga del Sur

Project ID : _____

Location : Zamboanga del Sur

Station Limits : Chainage 2600 - Chainage 5240

Source of Funds : CY-2019

Net Length : (a) Road 2,640.00 In.m 2.64 km

(b) Brdg _____

(c) Others _____

Target Start Date : _____

Total Project Duration : 162 Calendar Days

No. of Pre-determined : 36 Calendar Days

Unworkable Days : 18 Calendar Days

DESCRIPTION OF WORKS TO BE DONE	QUANTITY	UNIT	AS SUBMITTED		AS EVALUATED	
			% TOTAL	TOTAL DIRECT COST	% TOTAL	TOTAL DIRECT COST
PART A: Facilities for the Engineers			1.66%	1,211,116.63		
B: Other General Requirements			1.40%	1,021,694.96		
C: Earthworks			13.97%	10,186,157.98		
D: Subbase and Base Course			21.02%	15,323,667.35		
E: Surface Courses			51.37%	37,442,696.34		
F: Bridge Construction			0.00%	-		
G: Drainage and Slope Protection Structures			6.63%	4,830,575.54		
H: Miscellaneous Structure			3.95%	2,877,487.85		
I: Provisional Sum			0.00%	-		
J: Daywork			0.00%	-		

EQUIPMENT:

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

BREAKDOWN OF EXPENDITURES:

	AS SUBMITTED	AS EVALUATED
1. Labor	1,699,931.72	
2. Materials	54,152,895.79	
3. Rental of Equipment	17,040,569.14	
4. Provisional Sum/Daywork	-	
5. OCM and Profit	12,836,283.12	
6. Value Added Tax	4,286,483.99	
7. EAO, 3.5%	3,150,565.73	
8. RROW Acquisition	9,378,836.25	
9. Physical Reseved (Contingency)	454,434.27	
10. TOTAL ESTIMATED COST	103,000,000.00	

	AS SUBMITTED	AS EVALUATED
A. Total Direct Cost	72,893,396.65	
B. OCM and Profit	12,836,283.12	
C. Value Added Tax	4,286,483.99	
D. Total Construction Cost	-	
E. Eng'g. & Administrative Overhead	3,150,565.73	
F. RROW Acquisition	9,378,836.25	
G. Physical Reserved (Contingency)	454,434.27	
H. TOTAL ESTIMATED COST	103,000,000.00	

Preparation and Submission:

Prepared by:

JERALD R. BARRERA
Engineer II
DPWH RO9

Checked/Submiietd by:

ISIDRA A. ESTANISLAO
Engineer IV
DPWH RO9

Evaluation:

Reviewed by:

SATURNINO C. TORREFRANCA
District Engineer
DPWH RO9

Approval:

Recommending Approval

KHADAFF D. TANGGOL
OIC-Assistant Regional Director
DPWH RO9

Approved:

CAYAMBEO D. DIA
Regional Director
DPWH RO9



Construction of By-Pass and Diversion Road - Sominot - Mahayag Road, Zamboanga del Sur
Zamboanga del Sur

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 Enigneer	1.00		ls	487,015.63		487,015.63		603,412.37		0.67%
A.1.1 (11)	Prov. Of Furniture, Equipment, & Appliance for Field Engineer	1.00		ls	316,144.06		316,144.06		331,951.26		0.43%
A.1.2 (5)	Operation & Maintenance of Gov't. Service Vehicles	1.00		ls	407,956.94		407,956.94		428,354.79		0.56%
	TOTAL OF PART A				1,211,116.63						1.66%
PART B	Other General Requirements										
B.4(1)	Construction Survey and Staking	2.64		km	44,894.15		17,005.36		21,069.64		0.06%
B.5	Project Billboard	4.00		unit	6,822.24		1,705.56		2,113.19		0.01%
B.7	Occupational Safety & Health Program	1.00		ls	255,075.57		255,075.57		289,255.70		0.35%
B.9	Mobilization & Demobilization	1.00		ls	714,903.00		714,903.00		750,648.15		0.98%
	TOTAL OF PART B				1,021,694.96						1.40%
PART C	Earthworks										
101(4a1)	Removal of Existing RCPC	11.00		ln.m	2,952.74		269.34		333.71		0.00%
102(2)	Surplus Common Excavation	22,849.00		cu.m	3,258,463.04		142.61		176.69		4.47%
103(1)a	Structure Excavation	1,125.00		cu.m	179,722.24		159.75		197.93		0.25%
103(3)	Foundation Fill	4.00		cu.m	6,951.39		1,737.85		2,153.19		0.01%
103(6)a	Pipe Culverts and Drain Excavation	38.00		cu.m	8,768.62		230.75		285.90		0.01%
104(1a)	Embankment from Roadway Excavation	27,869.00		cu.m	6,434,992.60		230.90		286.09		8.83%
105(1a)	Subgrade Preparation	18,383.00		sq.m	294,297.35		16.01		19.84		0.40%
	TOTAL OF PART C				10,186,157.98						13.97%
PART D	Subbase and Base Course										
200(1)	Aggregate Subbase Course	10,314.00		cu.m	15,323,667.35		1,485.72		1,840.80		21.02%
	TOTAL OF PART D				15,323,667.35						21.02%
PART E	Surface Courses										
300(1)	Gravel Surface Course	256.00		cu.m	409,783.11		1,600.72		1,983.29		0.56%
311(1a)	Portland Cement Concrete Pavement	7,007.00		sq.m	6,201,751.44		885.08		1,096.61		8.51%
311(1e1)	Portland Cement Concrete Pavement	19,114.00		sq.m	30,831,161.80		1,613.01		1,998.53		42.30%
	TOTAL OF PART E				37,442,696.34						51.37%
PART G	Drainage and Slope Protection Structures										
404(1)a	Reinforcing Steel (Grade 40)	20,875.00		kg	1,030,890.86		49.38		61.19		1.41%
405(1)a3	Structural Concrete, Class A	516.00		cu.m	3,610,452.66		6,997.00		8,669.28		4.95%
500(1)b3	Reinforced Concrete Culverts Pipe, 910 mm dia	31.00		ln.m	101,168.90		3,263.51		4,043.49		0.14%
500(5)	Grouted Riprap, Class A	8.00		cu.m	27,448.17		3,430.77		4,250.73		0.04%

506(1)	Stone Masonry	18.00		cl	60,616.95		3,367.61		4,172.47		0.08%
	TOTAL OF PART G				4,830,575.54						6.63%
PART H	Miscellaneous Structure										
612(2)	Reflectorized Thermoplastic Pavement Markings Yellow	373.00		sq.m	316,643.68		848.91		1,051.80		0.43%
612(1)	Reflectorized Thermoplastic Pavement Markings White	595.00		sq.m	435,359.22		731.70		906.57		0.60%
622(1)b	Coconet Bio-Engineering Solutions (Coconet)	711.00		sq.m	265,720.91		373.73		463.05		0.36%
622(1)a	Coconet Bio-Engineering Solutions (Coconet)	2,246.00		sq.m	381,883.85		170.03		210.67		0.52%
622(2)b	Coconet Bio-Engineering Solutions (Cocologs/Fascine)	1,610.00		ln.m	992,127.23		616.23		763.51		1.36%
622(3)a	Coconet Bio-Engineering Solutions (Vegetation)	2,957.00		sq.m	485,752.95		164.27		203.53		0.67%
	TOTAL OF PART H				2,877,487.85						3.95%
	GRAND TOTAL				72,893,396.65						100.00%

72,893,396.65



Construction of By-Pass and Diversion I, Sominot - Mahayag Road, Zamboanga del Sur
Zamboanga del Sur

FORM POW-2015-01B-00

MINIMUM EQUIPMENT REQUIREMENT

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



ON IX

Construction of By-Pass and Diversion Roads, Sominot - Mahayag Road, Zamboanga del Sur
Zamboanga del Sur

FORM POW-2015-01C-00

ITEMIZED BREAKDOWN

ITEMIZED BREAKDOWN													
ITEM NO.	DESCRIPTION		DETAILED BREAKDOWN OF COMPONENT COST FOR EACH ITEM										
			%	QTY	UNIT	DIRECT COST				TOTAL MARK-UP		5% VAT	TOTAL COST
						MATERIAL	LABOR	EQUIPMENT	TOTAL	%	VALUE		
PART A	Facilities for the Engineers												
A.1.1 (3)	Const. of Field Office for the Enigneer	AS EVALUATED											
		AS SUBMITTED	0.67%	1.00	ls	400,000.00	56,283.30	30,732.33	487,015.63	18.00%	87,662.81	28,733.92	603,412.37
A.1.1 (11)	Prov. Of Furniture, Equipment, & Appliance for Field Engineer	AS EVALUATED											
		AS SUBMITTED	0.43%	1.00	ls	316,144.06	-	-	316,144.06	0.00%	-	15,807.20	331,951.26
A.1.2 (5)	Operation & Maintenance of Gov't. Service Vehicles	AS EVALUATED											
		AS SUBMITTED	0.56%	1.00	ls	332,000.00	75,956.94	-	407,956.94	0.00%	-	20,397.85	428,354.79
	TOTAL OF PART A	AS EVALUATED											
		AS SUBMITTED	1.66%			1,048,144.06	132,240.24	30,732.33	1,211,116.63		87,662.81	64,938.97	1,363,718.42
PART B	Other General Requirements												
B.4(1)	Construction Survey and Staking	AS EVALUATED											
		AS SUBMITTED	0.06%	2.64	km	15,750.00	26,444.15	2,700.00	44,894.15	18.00%	8,080.95	2,648.75	55,623.85
B.5	Project Billboard	AS EVALUATED											
		AS SUBMITTED	0.01%	4.00	unit	6,678.00	144.24	-	6,822.24	18.00%	1,228.00	402.51	8,452.76
B.7	Occupational Safety & Health Program	AS EVALUATED											
		AS SUBMITTED	0.35%	1.00	ls	10,458.00	244,617.57	-	255,075.57	8.00%	20,406.05	13,774.08	289,255.70
B.9	Mobilization & Demobilization	AS EVALUATED											
		AS SUBMITTED	0.98%	1.00	ls	-	-	714,903.00	714,903.00	0.00%	-	35,745.15	750,648.15
	TOTAL OF PART B	AS EVALUATED											
		AS SUBMITTED	1.40%			32,886.00	271,205.96	717,603.00	1,021,694.96		29,715.00	52,570.50	1,103,980.45
PART C	Earthworks												
101(4a1)	Removal of Existing RCPC	AS EVALUATED											
		AS SUBMITTED	0.00%	11.00	ln.m	-	203.46	2,759.28	2,962.74	18.00%	533.29	174.80	3,670.84
102(2)	Surplus Common Excavation	AS EVALUATED											
		AS SUBMITTED	4.47%	22,849.00	cu.m	-	65,220.09	3,193,242.95	3,258,463.04	18.00%	586,523.35	192,249.32	4,037,235.71
103(1)a	Structure Excavation	AS EVALUATED											
		AS SUBMITTED	0.25%	1,125.00	cu.m	-	12,173.63	167,548.61	179,722.24	18.00%	32,350.00	10,603.61	222,675.85
103(3)	Foundation Fill	AS EVALUATED											
		AS SUBMITTED	0.01%	4.00	cu.m	5,558.64	837.04	555.70	6,951.39	18.00%	1,251.25	410.13	8,612.77
103(6)a	Pipe Culverts and Drain Excavation	AS EVALUATED											
		AS SUBMITTED	0.01%	38.00	cu.m	-	411.20	8,357.42	8,768.62	18.00%	1,578.35	517.35	10,864.32
104(1a)	Embankment from Roadway Excavation	AS EVALUATED											
		AS SUBMITTED	8.83%	27,869.00	cu.m	-	174,689.95	6,260,302.65	6,434,992.60	18.00%	1,158,298.67	379,664.56	7,972,955.83
105(1a)	Subgrade Preparation	AS EVALUATED											
		AS SUBMITTED	0.40%	18,383.00	sq.m	-	10,494.47	283,802.88	294,297.35	18.00%	52,973.52	17,363.54	364,634.42
	TOTAL OF PART C	AS EVALUATED											
		AS SUBMITTED	14.16%			5,558.64	264,029.84	9,916,549.50	10,186,157.98		1,833,508.44	600,983.32	12,620,649.74

PART D	Subbase and Base Course												
200(1)	Aggregate Subbase Course	AS EVALUATED											
		AS SUBMITTED	21.02%	10,314.00	cu.m	14,332,953.24	35,328.29	955,385.82	15,323,667.35	18.00%	2,758,260.12	904,096.37	18,986,023.84
	TOTAL OF PART D	AS EVALUATED											
		AS SUBMITTED	21.02%			14,332,953.24	35,328.29	955,385.82	15,323,667.35		2,758,260.12	904,096.37	18,986,023.84
PART E	Surface Courses												
300(1)	Gravel Surface Course	AS EVALUATED											
		AS SUBMITTED	0.56%	256.00	cu.m	385,192.96	876.87	23,713.28	409,783.11	18.00%	73,760.96	24,177.20	507,721.27
311(1a)	Portland Cement Concrete Pavement	AS EVALUATED											
		AS SUBMITTED	8.51%	7,007.00	sq.m	5,359,793.15	55,965.99	785,992.29	6,201,751.44	18.00%	1,116,315.26	365,903.33	7,683,970.03
311(1e1)	Portland Cement Concrete Pavement	AS EVALUATED											
		AS SUBMITTED	42.30%	19,114.00	sq.m	26,544,064.68	284,968.55	4,002,128.57	30,831,161.80	18.00%	5,549,609.12	1,819,038.55	38,199,809.46
	TOTAL OF PART E	AS EVALUATED											
		AS SUBMITTED	50.80%			32,289,050.80	341,811.41	4,811,834.14	37,442,696.34		6,739,688.34	2,209,119.08	46,391,500.77
PART G	Drainage and Slope Protection Structures												
404(1)a	Reinforcing Steel (Grade 40)	AS EVALUATED											
		AS SUBMITTED	1.41%	20,875.00	kg	911,820.00	64,877.04	54,193.82	1,030,890.86	18.00%	185,560.35	60,822.56	1,277,273.77
405(1)a3	Structural Concrete, Class A	AS EVALUATED											
		AS SUBMITTED	4.95%	516.00	cu.m	2,930,737.90	468,941.26	210,773.49	3,610,452.66	18.00%	649,881.48	213,016.71	4,473,350.84
500(1)b3	Reinforced Concrete Culverts Pipe, 910 mm dia	AS EVALUATED											
		AS SUBMITTED	0.14%	31.00	ln.m	73,328.64	11,742.61	16,097.66	101,168.90	18.00%	18,210.40	5,968.97	125,348.27
505(5)	Grouted Riprap, Class A	AS EVALUATED											
		AS SUBMITTED	0.04%	8.00	cu.m	21,623.06	3,580.28	2,242.83	27,446.17	18.00%	4,940.31	1,619.32	34,005.81
506(1)	Stone Masonry	AS EVALUATED											
		AS SUBMITTED	0.08%	18.00	cu.m	48,651.89	6,293.46	5,671.60	60,616.95	18.00%	10,911.05	3,576.40	75,104.40
	TOTAL OF PART G	AS EVALUATED											
		AS SUBMITTED	6.63%			3,986,161.50	555,434.64	288,979.40	4,830,575.54		869,503.60	285,003.96	5,985,083.09
PART H	Miscellaneous Structure												
612(2)	ReflectORIZED Thermoplastic Pavement Markings Yellow	AS EVALUATED											
		AS SUBMITTED	0.43%	373.00	sq.m	231,375.63	6,999.07	78,268.99	316,643.68	18.00%	56,995.86	18,681.98	392,321.52
612(1)	ReflectORIZED Thermoplastic Pavement Markings White	AS EVALUATED											
		AS SUBMITTED	0.60%	595.00	sq.m	387,538.67	11,164.73	36,655.82	435,359.22	18.00%	78,364.66	25,686.19	539,410.08
622(1)b	Coconet Bio-Engineering Solutions (Coconet)	AS EVALUATED											
		AS SUBMITTED	0.36%	711.00	sq.m	250,094.25	6,288.10	9,338.56	265,720.91	18.00%	47,829.76	15,677.53	329,228.21
622(1)a	Coconet Bio-Engineering Solutions (Coconet)	AS EVALUATED											
		AS SUBMITTED	0.52%	2,246.00	sq.m	332,520.30	19,863.68	29,499.87	381,883.85	18.00%	68,739.09	22,531.15	473,154.09
622(2)b	Coconet Bio-Engineering Solutions (Cocologs/Fascine)	AS EVALUATED											
		AS SUBMITTED	1.36%	1,610.00	ln.m	939,918.00	47,462.93	4,746.29	992,127.23	18.00%	178,582.90	58,535.51	1,229,245.63
622(3)a	Coconet Bio-Engineering Solutions (Vegetation)	AS EVALUATED											
		AS SUBMITTED	0.67%	2,957.00	sq.m	316,694.70	8,102.83	160,955.42	485,752.95	18.00%	87,435.53	28,659.42	601,847.91
	TOTAL OF PART H	AS EVALUATED											
		AS SUBMITTED	3.95%			2,458,141.35	99,881.34	319,464.96	2,877,487.85		517,947.81	169,771.78	3,565,207.44
	GRAND TOTAL	AS EVALUATED											
		AS SUBMITTED	99.62%			34,132,896.79	1,699,931.72	17,040,969.14	72,893,396.65		12,836,283.12	4,286,483.99	90,016,163.75



ION IX

Construction of By-Pass and Diversion Roads, Sominot - Mahayag Road, Zamboanga del Sur
Zamboanga del Sur

SUMMARY OF APPROVED BUDGET FOR THE CONTRACT

FORM POW-2015-02-00

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	1,211,116.63		87,662.81	64,938.97	152,601.79	1,363,718.42
PART B	Other General Requirements	AS EVALUATED						
		AS SUBMITTED	1,021,694.96		29,715.00	52,570.50	82,285.49	1,103,980.45
PART C	Earthworks	AS EVALUATED						
		AS SUBMITTED	10,186,157.98		1,833,508.44	600,983.32	2,434,491.76	12,620,649.74
PART D	Subbase and Base Course	AS EVALUATED						
		AS SUBMITTED	15,323,667.35		2,758,260.12	904,096.37	3,662,356.50	18,986,023.84
PART E	Surface Courses	AS EVALUATED						
		AS SUBMITTED	37,442,696.34		6,739,685.34	2,209,119.08	8,948,804.43	46,391,500.77
PART G	Drainage and Slope Protection Structures	AS EVALUATED						
		AS SUBMITTED	4,830,575.54		869,503.60	285,003.96	1,154,507.55	5,985,083.09
PART H	Miscellaneous Structure	AS EVALUATED						
		AS SUBMITTED	2,877,487.85		517,947.81	169,771.78	687,719.60	3,565,207.44
TOTAL		AS EVALUATED						
		AS SUBMITTED	72,893,396.65		12,836,283.12	4,286,483.99	17,122,767.11	90,016,163.75

Preparation and Submission:

Prepared by:

JERALD R. BARRERA

Engineer II
DPWH RO9

Checked/Submited by:

ISIDRA A. ESTANISLAO

Engineer IV
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:

CAYAMONBAO D. DIA

Regional Director
DPWH RO9



ON IX

Construction of By-Pass and Diversion Roads, Sominot - Mahayag Road, Zamboanga del Sur
Zamboanga del Sur

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 Enigneer	AS EVALUATED								
		AS SUBMITTED	1.00	ls	487,015.63	18.00%	87,662.81	28,733.92	116,396.74	603,412.37
A.1.1 (11)	Prov. Of Furniture, Equipment, & Appliance for Field Engineer	AS EVALUATED								
		AS SUBMITTED	1.00	ls	316,144.06	0.00%	-	15,807.20	15,807.20	331,951.26
A.1.2 (5)	Operation & Maintenance of Gov't. Service Vehicles	AS EVALUATED								
		AS SUBMITTED	1.00	ls	407,956.94	0.00%	-	20,397.85	20,397.85	428,354.79
	TOTAL OF PART A	AS EVALUATED								
		AS SUBMITTED			1,211,116.63		87,662.81	64,938.97	152,601.79	1,363,718.42
PART B	Other General Requirements									
B.4(1)	Construction Survey and Staking	AS EVALUATED								
		AS SUBMITTED	2.64	km	44,894.15	18.00%	8,080.95	2,648.75	10,729.70	55,623.85
B.5	Project Billboard	AS EVALUATED								
		AS SUBMITTED	4.00	unit	6,822.24	18.00%	1,228.00	402.51	1,630.52	8,452.76
B.7	Occupational Safety & Health Program	AS EVALUATED								
		AS SUBMITTED	1.00	ls	255,075.57	8.00%	20,406.05	13,774.08	34,180.13	289,255.70
B.9	Mobilization & Demobilization	AS EVALUATED								
		AS SUBMITTED	1.00	ls	714,903.00	0.00%	-	35,745.15	35,745.15	750,648.15
	TOTAL OF PART B	AS EVALUATED			-					
		AS SUBMITTED			1,021,694.96		29,715.00	52,570.50	82,285.49	1,103,980.45
PART C	Earthworks									
101(4a1)	Removal of Existing RCPC	AS EVALUATED								
		AS SUBMITTED	11.00	ln.m	2,962.74	18.00%	533.29	174.80	708.10	3,670.84
102(2)	Surplus Common Excavation	AS EVALUATED								
		AS SUBMITTED	22,849.00	cu.m	3,258,463.04	18.00%	586,523.35	192,249.32	778,772.67	4,037,235.71
103(1)a	Structure Excavation	AS EVALUATED								
		AS SUBMITTED	1,125.00	cu.m	179,722.24	18.00%	32,350.00	10,603.61	42,953.61	222,675.85
103(3)	Foundation Fill	AS EVALUATED								
		AS SUBMITTED	4.00	cu.m	6,951.39	18.00%	1,251.25	410.13	1,661.38	8,612.77
103(6)a	Pipe Culverts and Drain Excavation	AS EVALUATED								
		AS SUBMITTED	38.00	cu.m	8,768.62	18.00%	1,578.35	517.35	2,095.70	10,864.32
104(1a)	Embankment from Roadway Excavation	AS EVALUATED								
		AS SUBMITTED	27,869.00	cu.m	6,434,992.60	18.00%	1,158,298.67	379,664.56	1,537,963.23	7,972,955.83
105(1a)	Subgrade Preparation	AS EVALUATED								
		AS SUBMITTED	18,383.00	sq.m	294,297.35	18.00%	52,973.52	17,363.54	70,337.07	364,634.42
	TOTAL OF PART C	AS EVALUATED			-					
		AS SUBMITTED			10,186,157.88		1,833,508.44	609,028.93	2,434,491.76	12,620,649.74


PART D	Subbase and Base Course										
200(1)	Aggregate Subbase Course	AS EVALUATED									
		AS SUBMITTED	10,314.00	cu.m	15,323,667.35	18.00%	2,758,260.12	904,096.37	3,662,356.50	18,986,023.84	1,840.80
	TOTAL OF PART D	AS EVALUATED			-						
		AS SUBMITTED			15,323,667.35		2,758,260.12	904,096.37	3,662,356.50	18,986,023.84	
PART E	Surface Courses										
300(1)	Gravel Surface Course	AS EVALUATED									
		AS SUBMITTED	256.00	cu.m	409,783.11	18.00%	73,760.96	24,177.20	97,938.16	507,721.27	1,983.29
311(1a)	Portland Cement Concrete Pavement	AS EVALUATED									
		AS SUBMITTED	7,007.00	sq.m	6,201,751.44	18.00%	1,116,315.26	365,903.33	1,482,218.59	7,683,970.03	1,096.61
311(1e1)	Portland Cement Concrete Pavement	AS EVALUATED									
		AS SUBMITTED	19,114.00	sq.m	30,831,161.80	18.00%	5,549,609.12	1,819,038.55	7,368,647.67	38,199,809.46	1,998.53
	TOTAL OF PART E	AS EVALUATED			-						
		AS SUBMITTED			37,442,696.34		6,739,685.34	2,209,119.08	8,948,804.43	46,391,500.77	
PART G	Drainage and Slope Protection Structures										
404(1)a	Reinforcing Steel (Grade 40)	AS EVALUATED									
		AS SUBMITTED	20,875.00	kg	1,030,890.86	18.00%	185,560.35	60,822.56	246,382.91	1,277,273.77	61.19
405(1)a3	Structural Concrete, Class A	AS EVALUATED									
		AS SUBMITTED	516.00	cu.m	3,610,452.66	18.00%	649,881.48	213,016.71	862,898.18	4,473,350.84	8,669.28
500(1)b3	Reinforced Concrete Culverts Pipe, 910 mm dia	AS EVALUATED									
		AS SUBMITTED	31.00	ln.m	101,168.90	18.00%	18,210.40	5,968.97	24,179.37	125,348.27	4,043.49
505(5)	Grouted Riprap, Class A	AS EVALUATED									
		AS SUBMITTED	8.00	cu.m	27,446.17	18.00%	4,940.31	1,619.32	6,559.64	34,005.81	4,250.73
506(1)	Stone Masonry	AS EVALUATED									
		AS SUBMITTED	18.00	cu.m	60,616.95	18.00%	10,911.05	3,576.40	14,487.45	75,104.40	4,172.47
	TOTAL OF PART G	AS EVALUATED			-						
		AS SUBMITTED			4,830,575.54		869,503.60	285,003.96	1,154,507.55	5,985,083.09	
PART H	Miscellaneous Structure										
612(2)	Reflectorized Thermoplastic Pavement Markings Yellow	AS EVALUATED	-		-						
		AS SUBMITTED	373.00	sq.m	316,643.68	18.00%	56,995.86	18,681.98	75,677.84	392,321.52	1,051.80
612(1)	Reflectorized Thermoplastic Pavement Markings White	AS EVALUATED									
		AS SUBMITTED	595.00	sq.m	435,359.22	18.00%	78,364.66	25,686.19	104,050.85	539,410.08	906.57
622(1)b	Coconet Bio-Engineering Solutions (Coconet)	AS EVALUATED									
		AS SUBMITTED	711.00	sq.m	265,720.91	18.00%	47,829.76	15,677.53	63,507.30	329,228.21	463.05
622(1)a	Coconet Bio-Engineering Solutions (Coconet)	AS EVALUATED	-	-	-						
		AS SUBMITTED	2,246.00	sq.m	381,883.85	18.00%	68,739.09	22,531.15	91,270.24	473,154.09	210.67
622(2)b	Coconet Bio-Engineering Solutions (Cocologs/Fascine)	AS EVALUATED	-	-	-						
		AS SUBMITTED	1,610.00	ln.m	992,127.23	18.00%	178,582.90	58,535.51	237,118.41	1,229,245.63	763.51
622(3)a	Coconet Bio-Engineering Solutions (Vegetation)	AS EVALUATED	-	-	-						
		AS SUBMITTED	2,957.00	sq.m	485,752.95	18.00%	87,435.53	28,659.42	116,094.96	601,947.91	203.53

	TOTAL OF PART H	AS EVALUATED				-						
		AS SUBMITTED				2,877,487.85		517,947.81	169,771.78	687,719.60	3,565,207.44	
	GRAND TOTAL	AS EVALUATED				-						
		AS SUBMITTED				72,893,396.65		12,836,283.12	4,294,529.60	17,122,767.11	90,016,163.75	

90,016,163.75

Preparation and Submission:

Prepared by:



JERALD R. BARRERA
Engineer II
DPWH RO9

Checked/Submitted by:


ISIDRA A. ESTANISLAO
Engineer IV
DPWH RO9

Evaluation:

Reviewed by:


SATURNINO C. TORRE FRANCA
District Engineer
DPWH RO9

Construction of By-pass and Diversion Roads, Somnoot - Mahayag Road
Zamboanga del Sur

FORM-POW-2015-01D-00

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

Designation		No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
A.1	Labor				
	a. Construction Foreman	1	80	80.95	6,476.10
	b. Masons	3	80	58.61	14,066.10
	c. Carpenters	3	80	58.61	14,066.10
	d. Laborers	6	80	45.16	21,675.00
	Sub-Total for A-1 As Submitted				56,283.30
A.2	Labor				
	Sub-Total for A-2 As Evaluated				
	Name and Capacity	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
B.1	Equipment				
	a. One Bagger Mixer	1	32	172.00	5,504.00
	b. Water Truck	1	8	2,450.00	19,600.00
	Minor Tools (10% of Labor Cost)				5,628.33
	Sub-Total for B-1 As Submitted				30,732.33
	Equipment				
B.2					
	Sub-Total for B-2 As Evaluated				
C.1	Total (A.1+B.1) - As Submitted				56,283.30
C.2	Total (A.2+B.2) - As Evaluated				-
D.1	Output per Hour - As Submitted				1.00
D.2	Output per Hour - As Evaluated				-
E.1	Direct Unit Cost (C.1 +D.1) - As Submitted				56,283.30
E.2	Direct Unit Cost (C.2 +D.2) - As Evaluated				-
	Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
F.1	Materials				
	a. Materials	lumpsum	1	400,000.00	400,000.00
	Sub-Total for F-1 As Submitted				400,000.00
	Equipment				
F.2					
	Sub-Total for F-2 As Evaluated				
G.1	Direct Unit Cost (E.1+F.1) - As Submitted				456,283.30
G.2	Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1	Overhead, Contingencies & Miscellaneous (OCM) - As Submitted			12%/9%/7%/6% of G.1	45,628.33
H.2	Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated			12%/9%/7%/6% of G.1	-
I.1	Contractor's Profit - As Submitted			10%/8% of G.1	36,502.66
I.2	Contractor's Profit - As Evaluated			10%/8% of G.1	-
J.1	Value Added Tax - As Submitted			5% of (G.1+H1+I1)	26,920.71
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)	565,335.01
K.2	Total Unit Cost - As Evaluated			(G.2+H2+I2+J1)	-

Prepared by:

Checked/Reviewed


JERALD R. BARRERA

Engineer II


ISIDRA A. ESTANISLAO

Engineer IV

Construction of By and Diversion Roads, Somnot - Mahayag Road
Zamboanga del Sur

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				
B.1				
Name and Capacity	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
Equipment				
Sub-Total for B-1 As Submitted				-
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				-
C.2				
Total (A.2+B.2) - As Evaluated				-
D.1				
Output per Hour - As Submitted				1.00
D.2				
Output per Hour - As Evaluated				
E.1				
Direct Unit Cost (C.1 +D.1) - As Submitted				-
E.2				
Direct Unit Cost (C.2 +D.2) - As Evaluated				
F.1				
Materials	Unit	Quantity	Unit Cost	Amount (Php.)
a. Office Equipment/Facilities & Supplies	lumpsum	1	316,144.06	316,144.06
Sub-Total for F-1 As Submitted				316,144.06
Equipment				
F.2				
Sub-Total for F-2 As Evaluated				
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				316,144.06
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)	15,807.20
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)	331,951.26
K.2				
Total Unit Cost - As Evaluated			(G.2+H2+I2+J1)	-

Prepared by:

JERRALD R. BARRERA
JERRALD R. BARRERA

Engineer II

Checked/Reviewed

ISIDRA A. ESTANISLAO
ISIDRA A. ESTANISLAO

Engineer IV

Construction of By () and Diversion Roads, Sominot - Mahayag Road () Zamboanga del Sur

FORM-POW-2015-01D-00

Item No./Description : Operation & Maintenance of Gov't. Service Vehicles
 Unit of Measurement : 1.00 ls
 Output per hour-As Submitted : 1.00
 Output per hour-As Evaluated :

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
A.1				
Labor				
a. Service Driver	1	1296	58.61	75,956.94
Sub-Total for A-1 As Submitted				75,956.94
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				
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				75,956.94
C.2				
Total (A.2+B.2) - As Evaluated				-
D.1				
Output per Hour - As Submitted				1.00
D.2				
Output per Hour - As Evaluated				-
E.1				
Direct Unit Cost (C.1 + D.1) - As Submitted				75,956.94
E.2				
Direct Unit Cost (C.2 + D.2) - As Evaluated				-
F.1				
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
Materials				
a. Diesel Fuel	ltrs	2,700.00	50.00	135,000.00
b. Engine Oil & Lubricants	ls	1.00	30,000.00	30,000.00
c. Tires	pcs	4.00	10,000.00	40,000.00
d. Spareparts etc.	ls	1.00	100,000.00	100,000.00
Sub-Total for F-1 As Submitted				305,000.00
Equipment				
F.2				
Sub-Total for F-2 As Evaluated				-
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				380,956.94
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted			12%/9%/7%/6% of G.1	-
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated			12%/9%/7%/6% of G.1	-
I.1				
Contractor's Profit - As Submitted			10%/8% of G.1	-
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)	19,047.85
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)	400,004.79
K.2				
Total Unit Cost - As Evaluated			(G.2+H2+I2+J1)	-

Prepared by:

Checked/Reviewed


JERALD R. BARRERA

Engineer II


ISIDRA A. ESTANISLAO

Engineer IV

Construction of By () and Diversion Roads, Sominot - Mahayag Road
Zamboanga del Sur
DETAILED UNIT PRICE ANALYSIS

FORM-POW-2015-01D-00

Item No./Description : Construction Survey and Staking
Unit of Measurement : 2.64 km
Output per hour-As Submitted : 0.20
Output per hour-As Evaluated :

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
Labor				
<i>(For Field Works)</i>				
a. Geodetic Engineer	1	27	80.95	2,185.68
b. Skilled Laborer	3	27	58.61	4,747.31
c. Laborer	3	27	45.16	3,657.66
A.1				
<i>(For Office Works)</i>				
a. Geodetic Engineer	1	80	80.95	6,476.10
b. Skilled Laborer	2	80	58.61	9,377.40
Sub-Total for A-1 As Submitted				26,444.15
Labor				
A.2				
Sub-Total for A-2 As Evaluated				
Name and Capacity	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
B.1				
Equipment				
a. Total Station with complete accessories	1	27	100.00	2,700.00
Sub-Total for B-1 As Submitted				2,700.00
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				29,144.15
C.2				
Total (A.2+B.2) - As Evaluated				-
D.1				
Output per Hour - As Submitted				0.20
D.2				
Output per Hour - As Evaluated				-
E.1				
Direct Unit Cost (C.1 ÷ D.1) - As Submitted				145,720.74
E.2				
Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				-
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
F.1				
Materials				
a. Standard Stake Plan	pcs	40	200.00	8,000.00
b. Blue Printing	pcs	175	40.00	7,000.00
Miscellaneous (5% of Materials)				750.00
Sub-Total for F-1 As Submitted				15,750.00
Materials				
F.2				
Sub-Total for F-2 As Evaluated				-
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				161,470.74
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted			12%/9%/7%/6% of G.1	16,147.07
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	12,917.66
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)	9,526.77
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)	200,062.25
K.2				
Total Unit Cost - As Evaluated			(G.2+H2+I2+J1)	-

Prepared by:


JERALD R. BARRENA
Engineer II

Checked/Reviewed


ISIDRA A. ESTANISLAO
Engineer IV

Construction of By () and Diversion Roads, Sominot - Mahayag Road () nboanga del Sur
Zamboanga del Sur

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 : 8.00
Output per hour-As Evaluated : -

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
Labor				
a. Construction Foreman	1	1	80.95	80.95
b. Skilled Laborer	2	1	58.61	117.22
c. Laborer	2	1	45.16	90.31
Sub-Total for A-1 As Submitted				288.48
Labor				
A.2				
Sub-Total for A-2 As Evaluated				
Name and Capacity	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
Equipment				
B.1				
Sub-Total for B-1 As Submitted				-
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				288.48
C.2				
Total (A.2+B.2) - As Evaluated				-
D.1				
Output per Hour - As Submitted				8.00
D.2				
Output per Hour - As Evaluated				-
E.1				
Direct Unit Cost (C.1 ÷ D.1) - As Submitted				36.06
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	790.00	3,160.00
b. Tarpauling (4" x 8")	pcs	4.00	800.00	3,200.00
c. Assorted Lumber Sizes	bd.ft	200.00	37.00	318.00
d. Assorted Sizes CWN Nails	kg	4.00	78.00	175.00
Sub-Total for F-1 As Submitted				6,678.00
Materials				
F.2				
Sub-Total for F-2 As Evaluated				-
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				6,714.06
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	671.41
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated			12%/9%/7%/6% of G.1	-
I.1				
Contractor's Profit - As Submitted			10%/8% of G.1	537.12
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)	396.13
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)	8,318.72
K.2				
Total Unit Cost - As Evaluated			(G.2+H2+I2+J1)	-

Prepared by:


JERALD R. BARRERA
Engineer II

Checked/Reviewed


ISIDRA A. ESTANISLAO
Engineer IV

Construction of By and Diversion Roads, Sominot - Mahayag Road nboanga del Sur

Zamboanga del Sur

DETAILED UNIT PRICE ANALYSIS

FORM-POW-2015-01D-00

Item No./Description : Occupational Safety & Health Program

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. Safety Practitioner	1	648	80.95	52,456.41
b. First Aider	2	1296	74.14	192,161.16
A.1				
Sub-Total for A-1 As Submitted				244,617.57
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				244,617.57
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				244,617.57
E.2				
Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				-
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
F.1				
Materials				
a. Pairs, Rubber Boots Men, Long with Steel Toe, Black	pair	24.00	400.00	9,600.00
b. Pairs, Working Gloves (Maong Materials)	pair	24.00	15.00	360.00
c. Rain Coats (Rain Forced, Hip Length Small, Medium & Large)	pcs	24.00	100.00	498.00
Sub-Total for F-1 As Submitted				10,458.00
Materials				
F.2				
Sub-Total for F-2 As Evaluated				-
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				255,075.57
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	20,406.05
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)	13,774.08
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)	289,255.70
K.2				
Total Unit Cost - As Evaluated			(G.2+H2+I2+J1)	-

Prepared by:


JERALD R. BARRERA
 Engineer II

Checked/Reviewed


ISIDRA A. ESTANISLAO
 Engineer IV

Construction of By and Diversion Roads, Sominot - Mahayag Road
Zamboanga del Sur
DETAILED UNIT PRICE ANALYSIS

FORM-POW-2015-01D-00

Item No./Description : Mobilization & Demobilization

Unit of Measurement : 1.00 ls

Output per hour-As Submitted : 1.00

Output per hour-As Evaluated : -

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
Labor				
A.1				-
				-
				-
				-
Sub-Total for A-1 As Submitted				-
Labor				
A.2				
Sub-Total for A-2 As Evaluated				
Name and Capacity	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
Equipment				
a. Low Bed Trailer	3	56	4,255.38	714,903.00
Sub-Total for B-1 As Submitted				714,903.00
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				714,903.00
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				714,903.00
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				714,903.00
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)	35,745.15
J.2				
Value Added Tax - As Evaluated			5% of (G.2+H2+I2)	-
K.1				
Total Unit Cost - As Submitted			(G.1+H1+I1+J1)	750,648.15
K.2				
Total Unit Cost - As Evaluated			(G.2+H2+I2+J1)	-

Prepared by:


JERALD R. BARRERA
Engineer II

Checked/Reviewed


ISIDRA A. ESTANISLAO
Engineer IV

Construction of By-pass and Diversion Roads, Sominot - Mahayag Road, Zamboanga del Sur
DETAILED UNIT PRICE ANALYSIS

FORM-POW-2015-01D-00

Item No./Description : Removal of Existing RCPC
 Unit of Measurement : 11.00 ln.m 11.88 cu.m
 Output per hour-As Submitted : 10.00
 Output per hour-As Evaluated : -

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
Labor				
a. Construction Foreman	1	1.00	80.95	80.95
b. Laborer	2	1.00	45.16	90.31
Sub-Total for A-1 As Submitted				171.26
Labor				
A.2				
Sub-Total for A-2 As Evaluated				-
B.1				
Equipment				
a. Backhoe	1	1.00	1,537.00	1,537.00
b. Boom Truck	1	0.50	1,537.00	768.50
Minor Tools (10% of Labor Cost)				17.13
Sub-Total for B-1 As Submitted				2,322.63
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				2,493.89
C.2				
Total (A.2+B.2) - As Evaluated				-
D.1				
Output per Hour - As Submitted				10.00
D.2				
Output per Hour - As Evaluated				-
E.1				
Direct Unit Cost (C.1 + D.1) - As Submitted				249.39
E.2				
Direct Unit Cost (C.2 + D.2) - As Evaluated				-
F.1				
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
Materials				
				-
				-
				-
Sub-Total for F-1 As Submitted				-
Materials				
F.2				
Sub-Total for F-2 As Evaluated				-
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				249.39
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	24.94
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	19.95
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)	14.71
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)	308.99
K.2				
Total Unit Cost - As Evaluated			(G.2+H2+I2+J1)	-

Prepared by:


JERALD R. BARRERA

Engineer II

Checked/Reviewed


ISIDRA A. ESTANISLAO

Engineer IV

Construction of By and Diversion Roads, Sominot - Mahayag Road Zamboanga del Sur

DETAILED UNIT PRICE ANALYSIS

FORM-POW-2015-01D-00

Item No./Description : Surplus Common Excavation

Unit of Measurement : 22,849.00 cu.m

Output per hour-As Submitted : 60.00

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
Sub-Total for A-1 As Submitted				171.26
Labor				
Sub-Total for A-2 As Evaluated				-
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	1	0.25	1,733.00	433.25
b. Dumptruck	2	1.00	1,420.00	2,840.00
Sub-Total for B-1 As Submitted				8,385.25
Equipment				
Sub-Total for B-2 As Evaluated				
Total (A.1+B.1) - As Submitted				8,556.51
Total (A.2+B.2) - As Evaluated				-
Output per Hour - As Submitted				60.00
Output per Hour - As Evaluated				-
Direct Unit Cost (C.1 +D.1) - As Submitted				142.61
Direct Unit Cost (C.2 +D.2) - As Evaluated				-
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
Materials				-
Sub-Total for F-1 As Submitted				-
Materials				-
Sub-Total for F-2 As Evaluated				-
Direct Unit Cost (E.1+F.1) - As Submitted				142.61
Direct Unit Cost (E.2+F.2) - As Evaluated				-
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted			12%/9%/7%/6% of G.1	14.26
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated			12%/9%/7%/6% of G.1	-
Contractor's Profit - As Submitted			10%/8% of G.1	11.41
Contractor's Profit - As Evaluated			10%/8% of G.1	-
Value Added Tax - As Submitted			5% of (G.1+H1+I1)	8.41
Value Added Tax - As Evaluated			5% of (G.2+H2+I2)	-
Total Unit Cost - As Submitted			(G.1+H1+I1+J1)	176.69
Total Unit Cost - As Evaluated			(G.2+H2+I2+J1)	-

Prepared by:

JERALD R. BARBERA
JERALD R. BARBERA

Engineer II

Checked/Reviewed

ISIDRA A. ESTANISLAO
ISIDRA A. ESTANISLAO

Engineer IV

Zamboanga del Sur

Item No./Description	: Structure Excavation
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Unit of Measurement	:	1,125.00	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
A.1	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				
	Name and Capacity	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
B.1	Equipment				
	a. Dumptruck	1	1.00	1,420.00	1,420.00
	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				2,978.64
	Equipment				
B.2					
	Sub-Total for B-2 As Evaluated				
C.1	Total (A.1+B.1) - As Submitted				3,195.06
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				159.75
E.2	Direct Unit Cost (C.2 +D.2) - As Evaluated				-
	Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
F.1	Materials				
					-
					-
					-
	Sub-Total for F-1 As Submitted				-
	Materials				
F.2					
	Sub-Total for F-2 As Evaluated				-
G.1	Direct Unit Cost (E.1+F.1) - As Submitted				159.75
G.2	Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1	Overhead, Contingencies & Miscellaneous (OCM) - As Submitted			12%/9%/7%/6% of G.1	15.98
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	12.78
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)	9.43
J.2	Value Added Tax - As Evaluated			5% of (G.2+H2+I2)	-
K.1	Total Unit Cost - As Submitted			(G.1+H1+I1+J1)	197.93
K.2	Total Unit Cost - As Evaluated			(G.2+H2+I2+J1)	-

ISIDRA A. ESTANISLAO

Engineer IV

FORM-POW-2015-01D-00

: Foundation Fill

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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
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				
B.1	a. Plate Compactor	1	1.00	123.00	123.00
	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 (C.1 +D.1) - As Submitted				348.19
E.2	Direct Unit Cost (C.2 +D.2) - As Evaluated				-
	Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
	Materials				
F.1	a. Filling Materials	cum	1.15	1,208.40	1,389.66
					-
	Sub-Total for F-1 As Submitted				1,389.66
	Materials				
F.2					
	Sub-Total for F-2 As Evaluated				-
G.1	Direct Unit Cost (E.1+F.1) - As Submitted				1,737.85
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	173.78
H.2	Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated			12%/9%/7%/6% of G.1	-
I.1	Contractor's Profit - As Submitted			10%/8% of G.1	139.03
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)	102.53
J.2	Value Added Tax - As Evaluated			5% of (G.2+H2+I2)	-
K.1	Total Unit Cost - As Submitted			(G.1+H1+I1+J1)	2,153.19
K.2	Total Unit Cost - As Evaluated			(G.2+H2+I2+J1)	-

ISIDRA A. ESTANISLAO
Engineer IV

Engineer IV

Construction of By Pass and Diversion Roads, Soninot - Mahayag Road
Zamboanga del Sur
DETAILED UNIT PRICE ANALYSIS

FORM-POW-2015-01D-00

Item No./Description : Pipe Culverts and Drain Excavation

Unit of Measurement : 38.00 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	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				-
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
Materials				
				-
				-
F.1				
				-
				-
Sub-Total for F-1 As Submitted				-
Materials				
F.2				
Sub-Total for F-2 As Evaluated				-
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				230.75
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted			12%/9%/7%/6% of G.1	23.08
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated			12%/9%/7%/6% of G.1	-
I.1				
Contractor's Profit - As Submitted			10%/8% of G.1	18.46
I.2				
Contractor's Profit - As Evaluated			10%/8% of G.1	-
J.1				
Value Added Tax - As Submitted			5% of (G.1+H1+I1)	13.61
J.2				
Value Added Tax - As Evaluated			5% of (G.2+H2+I2)	-
K.1				
Total Unit Cost - As Submitted			(G.1+H1+I1+J1)	285.90
K.2				
Total Unit Cost - As Evaluated			(G.2+H2+I2+J1)	-

Prepared by:


JERALD R. BARBERA
Engineer II

Checked/Reviewed


ISIDRA A. ESTANISLAO
Engineer IV


Construction of By : and Diversion Roads, Sominot - Mahayag Road
Zamboanga del Sur
DETAILED UNIT PRICE ANALYSIS

FORM-POW-2015-01D-00

Item No./Description : Embankment from Roadway Excavation
Unit of Measurement : 27,869.00 cu.m
Output per hour-As Submitted : 50.00
Output per hour-As Evaluated : -

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
Labor				
<i>For Excavation Work</i>				
a. Construction Foreman	1	0.83	80.95	67.19
b. Laborer	2	0.83	45.16	74.96
<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				
				-
				-
Sub-Total for A-2 As Evaluated				-
A.2				
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
<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				
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				-
F.1				
Materials				
				-
				-
Sub-Total for F-1 As Submitted				-
Materials				
Sub-Total for F-2 As Evaluated				-
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				230.90
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				23.09
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1				
Contractor's Profit - As Submitted				18.47
I.2				
Contractor's Profit - As Evaluated				-
J.1				
Value Added Tax - As Submitted				13.62
J.2				
Value Added Tax - As Evaluated				-
K.1				
Total Unit Cost - As Submitted				286.09
K.2				
Total Unit Cost - As Evaluated				-

Prepared by:


JERALD R. BARRERA
Engineer II

Checked/Reviewed


ISIDRA A. ESTANISLAO
Engineer IV

Construction of Byways and Diversion Roads, Sominot - Mahayag Road, Zamboanga del Sur
DETAILED UNIT PRICE ANALYSIS

FORM-POW-2015-01D-00

Item No./Description : Aggregate Subbase Course
 Unit of Measurement : 10,314.00 cu.m
 Output per hour-As Submitted : 50.00
 Output per hour-As Evaluated : -

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
Labor				
a. Construction Foreman	1	1.00	80.95	80.95
A.1 b. Laborer	2	1.00	45.16	90.31
				-
				-
Sub-Total for A-1 As Submitted				171.26
Labor				
A.2				-
Sub-Total for A-2 As Evaluated				-
Equipment				
a. Motorized Road Grader	1	1.00	2,173.00	2,173.00
B.1 b. Vibratory Roller	1	1.00	1,846.00	1,846.00
c. Water Truck/Pump	1	0.25	2,450.00	612.50
Sub-Total for B-1 As Submitted				4,631.50
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1 Total (A.1+B.1) - As Submitted				4,802.76
C.2 Total (A.2+B.2) - As Evaluated				-
D.1 Output per Hour - As Submitted				50.00
D.2 Output per Hour - As Evaluated				-
E.1 Direct Unit Cost (C.1 ÷ D.1) - As Submitted				96.06
E.2 Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				-
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
F.1 Materials				
a. Aggregate Subbase Course	cu.m	1.15	1,208.40	1,389.66
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				1,485.72
G.2 Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1 Overhead, Contingencies & Miscellaneous (OCM) - As Submitted			12%/9%/7%/6% of G.1	148.57
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	118.86
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)	87.66
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)	1,840.80
K.2 Total Unit Cost - As Evaluated			(G.2+H2+I2+J1)	-

Prepared by:

Jerald R. Barrera
JERALD R. BARRERA
 Engineer II

Checked/Reviewed

Isidra A. Estanislao
ISIDRA A. ESTANISLAO
 Engineer IV

Construction of By s and Diversion Roads, Semnot - Mahayag Road
Zamboanga del Sur
DETAILED UNIT PRICE ANALYSIS

FORM-POW-2015-01D-00

Item No./Description : Gravel Surface Course

Unit of Measurement : 256.00 cu.m


Output per hour-As Submitted : 50.00

Output per hour-As Evaluated : -

Designation		No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
Labor					
A.1	a. Construction Foreman				
	b. Laborer	1	1.00	80.95	80.95
		2	1.00	45.16	90.31
Sub-Total for A-1 As Submitted					171.26
Labor					
A.2					
Sub-Total for A-2 As Evaluated					-
Name and Capacity		No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
Equipment					
B.1	a. Motorized Road Grader	1	1.00	2,173.00	2,173.00
	b. Vibratory Roller	1	1.00	1,846.00	1,846.00
	c. Water Truck/Pump	1	0.25	2,450.00	612.50
Sub-Total for B-1 As Submitted					4,631.50
Equipment					
B.2					
Sub-Total for B-2 As Evaluated					
Total (A.1+B.1) - As Submitted					4,802.76
Total (A.2+B.2) - As Evaluated					-
Output per Hour - As Submitted					50.00
Output per Hour - As Evaluated					-
Direct Unit Cost (C.1 +D.1) - As Submitted					96.06
Direct Unit Cost (C.2 +D.2) - As Evaluated					-
Name and Specification		Unit	Quantity	Unit Cost	Amount (Php.)
F.1	Materials				
	a. Uncrushed Aggregate Surface Course	cu.m	1.15	1,308.40	1,504.66
Sub-Total for F-1 As Submitted					1,504.66
Materials					
F.2					
Sub-Total for F-2 As Evaluated					-
Direct Unit Cost (E.1+F.1) - As Submitted					1,600.72
Direct Unit Cost (E.2+F.2) - As Evaluated					-
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted			12%/9%/7%/6% of G.1		160.07
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated			12%/9%/7%/6% of G.1		-
Contractor's Profit - As Submitted			10%/8% of G.1		128.06
Contractor's Profit - As Evaluated			10%/8% of G.1		-
Value Added Tax - As Submitted			5% of (G.1+H1+I1)		94.44
Value Added Tax - As Evaluated			5% of (G.2+H2+I2)		-
Total Unit Cost - As Submitted			(G.1+H1+I1+J1)		1,983.29
Total Unit Cost - As Evaluated			(G.2+H2+I2+J1)		-

Prepared by:

Checked/Reviewed


JERALD R. BARRERA
Engineer II


ISIDRA A. ESTANISLAO
Engineer IV

DETAILED UNIT PRICE ANALYSIS


Item No./Description : Portland Cement Concrete Pavement

Unit of Measurement	:	7,007.00	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
A.2	Labor				
					-
	Sub-Total for A-2 As Evaluated				-
B.1	Equipment	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
	a. 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
B.2	Equipment				
	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				-
F.1	Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
	Materials				
	a. Reinforcing Steel Bar	kg	0.33	40.00	13.20
	b. Curbing Compound	ltr	0.29	40.00	11.60
	c. Asphalt Sealant	ltr	0.12	75.00	9.00
	d. Steel Forms	m	0.46	40.00	18.40
	e. Sand	cu.m	0.08	1,308.40	107.94
	f. Gravel	cu.m	0.15	1,358.40	203.76
	g. Cement	bag	1.43	278.84	398.75
	h. Concrete Saw	pc	0.00	8,000.00	1.20
	i. Pipe Sleeve	m	0.01	133.00	1.04
	j. Grease/Tar	ltr	0.00	21.00	0.03
	Sub-Total for F-1 As Submitted				764.92
	Materials				
F.2					
	Sub-Total for F-2 As Evaluated				-

G.1	Direct Unit Cost (E.1+F.1) - As Submitted		885.08
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	88.51
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	70.81
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)	52.22
J.2	Value Added Tax - As Evaluated	5% of (G.2+H2+I2)	-
K.1	Total Unit Cost - As Submitted	(G.1+H1+I1+J1)	1,096.61
K.2	Total Unit Cost - As Evaluated	(G.2+H2+I2+J1)	-

Prepared by:


JERALD R. BARRERA
 Engineer II

Checked/Reviewed


ISIDRA A. ESTANISLAO
 Engineer IV

Construction of By-pass and Diversion Roads, Soninot - Mahayag Road, Zamboanga del Sur
DETAILED UNIT PRICE ANALYSIS

FORM-POW-2015-01D-00

Item No./Description : Portland Cement Concrete Pavement
 Unit of Measurement : 19,114.00 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				
Sub-Total for A-2 As Evaluated				-
A.2				
Equipment				
a. Transit Mixer	4	1.00	1,318.00	5,272.00
b. Concrete Vibrator	2	1.00	91.25	182.50
c. Concrete Batch Plant	1	1.00	1,759.50	1,759.50
d. Payloader	1	1.00	1,733.00	1,733.00
e. Concrete Screeder	1	1.00	545.00	545.00
f. Water Truck	1	1.00	2,450.00	2,450.00
g. Concrete Saw	1	1.00	32.63	32.63
h. Bar Cutter	1	0.10	219.75	21.98
Minor Tools (5% of Labor Cost)				42.86
Sub-Total for B-1 As Submitted				12,039.47
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				12,896.73
C.2				
Total (A.2+B.2) - As Evaluated				-
D.1				
Output per Hour - As Submitted				57.50
D.2				
Output per Hour - As Evaluated				-
E.1				
Direct Unit Cost (C.1 ÷ D.1) - As Submitted				224.29
E.2				
Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				-
F.1				
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	cu.m	0.15	1,308.40	201.49
f. Gravel	cu.m	0.28	1,358.40	380.35
g. Cement	bag	2.66	278.84	741.73
h. Concrete Saw	pc	0.00	8,000.00	1.20
i. Pipe Sleeve	m	0.01	133.00	1.04
j. Grease/Tar	ltr	0.01	21.00	0.16
Sub-Total for F-1 As Submitted				1,388.72
Materials				
F.2				
Sub-Total for F-2 As Evaluated				-

G.1	Direct Unit Cost (E.1+F.1) - As Submitted		1,613.01
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	161.30
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	129.04
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)	95.17
J.2	Value Added Tax - As Evaluated	5% of (G.2+H2+I2)	-
K.1	Total Unit Cost - As Submitted	(G.1+H1+I1+J1)	1,998.53
K.2	Total Unit Cost - As Evaluated	(G.2+H2+I2+J1)	-

Prepared by:


JERALD R. BARRERA
Engineer II

Checked/Reviewed


ISIDRA A. ESTANISLAO
Engineer IV

Construction of By-pass and Diversion Roads, Semintot - Mahayag Roa
Zamboanga del Sur
DETAILED UNIT PRICE ANALYSIS

FORM-POW-2015-01D-00


Item No./Description : Reinforcing Steel (Grade 40)
Unit of Measurement : 20,875.00 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
A.1 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				
B.1 a. Bar Cutter	1	0.50	219.50	109.75
b. Bar Bender	1	0.50	351.50	175.75
c. Cargo Truck	1	0.15	1,212.00	181.80
Sub-Total for B-1 As Submitted				467.30
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1 Total (A.1+B.1) - As Submitted				1,026.72
C.2 Total (A.2+B.2) - As Evaluated				-
D.1 Output per Hour - As Submitted				180.00
D.2 Output per Hour - As Evaluated				-
E.1 Direct Unit Cost (C.1 ÷ D.1) - As Submitted				5.70
E.2 Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				-
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
Materials				
a. Tie Wire	kg	0.02	80.00	1.68
F.1 b. Reinforcing Steel Bar, Grade 40	kg	1.05	40.00	42.00
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				49.38
G.2 Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1 Overhead, Contingencies & Miscellaneous (OCM) - As Submitted			12%/9%/7%/6% of G.1	4.94
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	3.95
I.2 Contractor's Profit - As Evaluated			10%/8% of G.1	-
J.1 Value Added Tax - As Submitted			5% of (G.1+H.1+I.1)	2.91
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)	61.19
K.2 Total Unit Cost - As Evaluated			(G.2+H.2+I.2+J.2)	-

Prepared by:


JERALD R. BARBERA
Engineer II

Checked/Reviewed


ISIDRA A. ESTANISLAO
Engineer IV

Construction of Bypass and Diversion Roads, Sominot - Mahayag Roa
Zamboanga del Sur
DETAILED UNIT PRICE ANALYSIS

FORM-POW-2015-01D-00

Item No./Description : Structural Concrete, Class A
Unit of Measurement : 516.00 cu.m
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.1				
a. Construction Foreman	1	1.00	80.95	80.95
b. Skilled Laborer	4	1.00	58.61	234.44
c. Laborer	8	1.00	45.16	361.25
<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				
Total (A.1+B.1) - As Submitted				1,844.19
C.2				
Total (A.2+B.2) - As Evaluated				-
D.1				
Output per Hour - As Submitted				1.40
D.2				
Output per Hour - As Evaluated				-
E.1				
Direct Unit Cost (C.1 ÷ D.1) - As Submitted				1,317.28
E.2				
Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				-
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
Materials				
a. Lumber, Good	bd.ft	17.50	37.00	647.50
b. Marine Plywood	pc	0.40	790.00	316.00
c. Assorted CMW	kg	0.70	78.00	54.60
d. Cement	bag	9.50	278.84	2,649.02
e. Sand	cu.m	0.50	1,308.40	654.20
f. Gravel	cu.m	1.00	1,358.40	1,358.40
Sub-Total for F-1 As Submitted				5,679.72
Materials				
F.2				
Sub-Total for F-2 As Evaluated				-
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				6,997.00
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	699.70
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	559.76
I.2				
Contractor's Profit - As Evaluated			10%/8% of G.1	-
J.1				
Value Added Tax - As Submitted			5% of (G.1+H1+I1)	412.82
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)	8,669.28
K.2				
Total Unit Cost - As Evaluated			(G.2+H2+I2+J1)	-

Prepared by:


JERALD R. BARRERA
Engineer II

Checked/Reviewed


ISIDRA A. ESTANISLAO
Engineer IV

Construction of By-pass and Diversion Roads, Sominot - Mahayag Road
Zamboanga del Sur
DETAILED UNIT PRICE ANALYSIS

FORM-POW-2015-01D-00

Item No./Description : Reinforced Concrete Culverts Pipe, 910 mm dia
Unit of Measurement : 31.00 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. 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				
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				
a. Portland Cement	bag	1.08	278.84	301.15
b. Sand	cu.m	0.06	1,308.40	79.81
c. RC Pipes (910 mm dia.)	pc	1.00	1,817.00	1,817.00
d. Sand Bedding/Selected Sandy Soil	cu.m	0.13	1,308.40	167.48
Sub-Total for F-1 As Submitted				2,365.44
Materials				
F.2				
Sub-Total for F-2 As Evaluated				-
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				3,263.51
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	326.35
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	261.08
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)	192.55
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)	4,043.49
K.2				
Total Unit Cost - As Evaluated			(G.2+H2+I2+J1)	-

Prepared by:


JERALD R. BARRERA
Engineer II

Checked/Reviewed


ISIDRA A. ESTANISLAO
Engineer IV

DETAILED UNIT PRICE ANALYSIS

FORM-POW-2015-01D-00

Item No./Description : Grouted Riprap, Class A

Unit of Measurement : 8.00 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. 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				
B.1	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	2.50	278.84	697.11
	b. Sand	cu.m	0.21	1,308.40	274.76
F.1	c. Gravel Fill	cu.m	0.02	1,358.40	20.38
	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	1,563.40	1,641.57
	Miscellaneous (1% of Materials Cost)				26.76
	Sub-Total for F-1 As Submitted				2,702.88
	Materials				
F.2					
	Sub-Total for F-2 As Evaluated				-
G.1	Direct Unit Cost (E.1+F.1) - As Submitted				3,430.77
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		343.08
H.2	Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated		12%/9%/7%/6% of G.1		-
I.1	Contractor's Profit - As Submitted		10%/8% of G.1		274.46
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)		202.42
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)		4,250.73
K.2	Total Unit Cost - As Evaluated		(G.2+H2+I2+J1)		-

Prepared by:

JERALD R. BARRERA

Engineer II

Checked/Reviewed

ISIDRA A. ESTANISLAO

Engineer IV

Construction of By and Diversion Roads, Somiot - Mahayag Road
Zamboanga del Sur
DETAILED UNIT PRICE ANALYSIS

FORM-POW-2015-01D-00

Item No./Description : Stone Masonry
Unit of Measurement : 18.00 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				664.73
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. Portland Cement	bag	2.50	278.84	697.11
b. Sand	cu.m	0.21	1,308.40	274.76
c. Gravel Fill	cu.m	0.02	1,358.40	20.38
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	1,563.40	1,641.57
Miscellaneous (1% of Materials Cost)				26.76
Sub-Total for F-1 As Submitted				2,702.88
Materials				
F.2				
Sub-Total for F-2 As Evaluated				-
G.1				3,367.61
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	336.76
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted			12%/9%/7%/6% of G.1	-
H.2			10%/8% of G.1	269.41
Contractor's Profit - As Submitted			10%/8% of G.1	-
I.2			5% of (G.1+H1+I1)	198.69
Value Added Tax - As Submitted			5% of (G.2+H2+I2)	-
J.2			(G.1+H1+I1+J1)	4,172.47
Total Unit Cost - As Submitted			(G.2+H2+I2+J1)	-
K.2				
Total Unit Cost - As Evaluated				

Prepared by:


JERALD R. BARRERA

Engineer II

Checked/Reviewed


ISIDRA A. ESTANISLAO

Engineer IV


Construction of By-pass and Diversion Roads, Sominot - Mahayag Road
Zamboanga del Sur
DETAILED UNIT PRICE ANALYSIS

FORM-POW-2015-01D-00

Item No./Description : Reflectorized Thermoplastic Pavement Markings Yellow
Unit of Measurement : 373.00 sq.m
Output per hour-As Submitted : 25.00
Output per hour-As Evaluated : -

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
Labor				
a. Construction Foreman	1	1.00	80.95	80.95
b. Skilled Laborer	2	1.00	58.61	117.22
c. Laborer	6	1.00	45.16	270.94
Sub-Total for A-1 As Submitted				469.11
Labor				
A.2				
Sub-Total for A-2 As Evaluated				-
Name and Capacity	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
Equipment				
a. Cargo Truck	1	1.00	1,212.00	1,212.00
b. Applicator Machine	1	1.00	1,537.00	1,537.00
c. Kneading Machine	1	1.00	2,450.00	2,450.00
Minor Tools (10% of Labor Cost)				46.91
Sub-Total for B-1 As Submitted				5,245.91
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				5,715.02
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				228.60
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. Calsurline	kg	0.13	5.00	0.63
Miscellaneous (5% of Materials Cost)				31.02
Sub-Total for F-1 As Submitted				620.31
Materials				
F.2				
Sub-Total for F-2 As Evaluated				-
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				848.91
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	84.89
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	67.91
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)	50.09
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)	1,051.80
K.2				
Total Unit Cost - As Evaluated			(G.2+H2+I2+J1)	-

Prepared by:


JERALD R. BARRERA
Engineer II

Checked/Reviewed


ISIDRA A. ESTANISLAO
Engineer IV

Item No./Description	Reflectorized Thermoplastic Pavement Markings White
1	1000000
2	1000000
3	1000000
4	1000000
5	1000000
6	1000000
7	1000000
8	1000000
9	1000000
10	1000000
11	1000000
12	1000000
13	1000000
14	1000000
15	1000000
16	1000000
17	1000000
18	1000000
19	1000000
20	1000000
21	1000000
22	1000000
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27	1000000
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31	1000000
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85	1000000
86	1000000
87	1000000
88	1000000
89	1000000
90	1000000
91	1000000
92	1000000
93	1000000
94	1000000
95	1000000
96	1000000
97	1000000
98	1000000
99	1000000
100	1000000

Output per hour-As Submitted : 25.00

1

	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				-
B.1	Name and Capacity	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
	Equipment				
	a. Cargo Truck/Delivery Truck	1	1.00	1,212.00	1,212.00
	b. Applicator Machine	1	1.00	93.75	93.75
	c. Kneading Machine	1	1.00	187.50	187.50
	Minor Tools (10% of Labor Cost)				46.91
	Sub-Total for B-1 As Submitted				1,540.16
	Equipment				
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				-
F.1	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. Calsumine	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+J1)	43.17
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)	906.57
K.2	Total Unit Cost - As Evaluated			(G.2+H2+I2+J1)	-

ISIDRA A. ESTANISLAO

Engineer IV

Item No./Description	: Coconet Bio-Engineering Solutions (Coconet)
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711.00	sq.m
50.00	

	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	a. Water Truck/Pump	1	0.25	2,450.00	612.50
	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 700	sq.m	1.05	335.00	351.75
F.1					
	Sub-Total for F-1 As Submitted				351.75
	Materials				
F.2					
	Sub-Total for F-2 As Evaluated				-
G.1	Direct Unit Cost (E.1+F.1) - As Submitted				373.73
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	37.37
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	29.90
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)	22.05
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)	463.05
K.2	Total Unit Cost - As Evaluated			(G.2+H2+I2+J1)	-

ISIDRA A. ESTANISLAO

Engineer IV

Construction of By s and Diversion Roads, Sominot - Mahayag Roa
Zamboanga del Sur
DETAILED UNIT PRICE ANALYSIS

FORM-POW-2015-01D-00

Item No./Description : Coconet Bio-Engineering Solutions (Coconet)
Unit of Measurement : 2,246.00 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 (P1p.)
Labor				
a. Construction Foreman	1	1.00	80.95	80.95
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 (P1p.)
Equipment				
a. Water Truck/Pump	1	0.25	2,450.00	612.50
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 (P1p.)
Materials				
a. Erosion Control Net CGN 400	sq.m	1.05	141.00	148.05
F.1				
Sub-Total for F-1 As Submitted				148.05
Materials				
F.2				
Sub-Total for F-2 As Evaluated				-
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				170.03
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	17.00
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated			12%/9%/7%/6% of G.1	-
I.1				
Contractor's Profit - As Submitted			10%/8% of G.1	13.60
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)	10.03
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)	210.67
K.2				
Total Unit Cost - As Evaluated			(G.2+H2+I2+J1)	-

Prepared by:


JERALD R. BARRERA
Engineer II

Checked/Reviewed


ISIDRA A. ESTANISLAO
Engineer IV


Construction of By s and Diversion Roads, Sominot - Mahayag Roa imboanga del Sur
Zamboanga del Sur
DETAILED UNIT PRICE ANALYSIS

FORM-POW-2015-01D-00

Item No./Description : Coconet Bio-Engineering Solutions (Cocologs/Fascine)
Unit of Measurement : 1,610.00 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
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				
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	556.00	-
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				32.43
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	3.24
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	2.59
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)	1.91
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)	40.18
K.2				
Total Unit Cost - As Evaluated			(G.2+H2+I2+J1)	-

Prepared by:


JERALD R. BARRERA

Engineer II

Checked/Reviewed


ISIDRA A. ESTANISLAO

Engineer IV


Construction of Bypass and Diversion Roads, Soninot - Mahayag Roa Zamboanga del Sur
DETAILED UNIT PRICE ANALYSIS

FORM-POW-2015-01D-00

Item No./Description : Coconet Bio-Engineering Solutions (Vegetation)
 Unit of Measurement : 2,957.00 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.)
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. Hydroseeding Machine	1	1.00	952.00	952.00
b. Water Truck/Pump	1	1.00	2,450.00	2,450.00
B.1				
Sub-Total for B-1 As Submitted				3,402.00
Equipment				
B.2				
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				-
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
Materials				
a. Grass Cover	sq.m	1.05	102.00	107.10
F.1				
Sub-Total for F-1 As Submitted				107.10
Materials				
F.2				
Sub-Total for F-2 As Evaluated				-
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				164.27
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted			12%/9%/7%/6% of G.1	16.43
H.2			12%/9%/7%/6% of G.1	-
I.1			10%/8% of G.1	13.14
I.2			10%/8% of G.1	-
J.1			5% of (G.1+H1+I1)	9.69
J.2			5% of (G.2+H2+I2)	-
K.1			(G.1+H1+I1+J1)	203.53
K.2			(G.2+H2+I2+J1)	-

Prepared by:


GERALD R. BARRERA
 Engineer II

Checked/Reviewed


ISIDRA A. ESTANISLAO
 Engineer IV

UNIT COST ANALYSIS FOR HAULING COST FOR ALL AGGREGATES

Hauling Cost from the District Office to Site

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

Hauling	: Using 10.00 cu.m. capacity Dumptruck		
Weight of Dumptruck (cap. 10.00 cu.m.)		: 16,000.00	kgs
Unit Weight of Fine Aggregates		: 1,640.00	kg/cu.m.
Unit Weight of Course Aggregates		: 1,534.00	kg/cu.m.
Maximum Volumeto be Carried per DT		: 11.57	cu.m.

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

Speed when loaded	: 30.00	kph
Speed when unloaded	: 40.00	kph

Loaded Running	= $\frac{5.00}{30.00} \times \frac{60.00}{1}$	= 10	mins.
Unloaded Running	= $\frac{5.00}{40.00} \times \frac{60.00}{1}$	= 7.5	mins.

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

No. of trips for Dumptruck per day	= $\frac{8.00}{22.50} \times \frac{60.00}{1}$	= 21.33	trips
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Dumptruck Daily Output	= 10.00	X	21.33	= 213.33	cu.m.
Using 4 Dumptruck	= 213.33	X	4.00	= 853.33	cu.m.

No. of Days for Dumptruck	= $\frac{1,000.00}{853.33}$	= 1.17	days
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EQUIPMENT USED: (2009 ACCEL RATES)

4.00 - Unit Dumptruck	@ P	10,816.00	/ day	X	1.17 days	= P	50,700.00
Estimated Quantity	=	1,000.00	cu.m.				
Unit Cost	P	10.14	/cu.m/km. (unit cost hauling per cu.m. per km.)				
Grand Total	P	50,700.00					
Equipment	P	50,700.00					
Labor	P						
Equipment	P						

ZAMBOANGA DEL SUR 1st DEO (using 3rd Quarter 2018)

	Hauling Distance	Unit Cost per cu.m/km	Hauling Cost per km.	Unit Price	Unit cost per cu.m.
Cost of Fine Aggregates	60.00	X 10.14	= 608.40	+ 700.00	= 1,308.40
Cost of Course Aggregates	60.00	X 10.14	= 608.40	+ 750.00	= 1,358.40
Cost of Item 200 Materials	60.00	X 10.14	= 608.40	+ 600.00	= 1,208.40
Cost of Item 201 Materials	60.00	X 10.14	= 608.40	+ 630.00	= 1,238.40
Cost of Item 300 Materials	60.00	X 10.14	= 608.40	+ 700.00	= 1,308.40
Cost of Boulders	60.00	X 10.14	= 608.40	+ 955.00	= 1,563.40
Cost of Embankment, Common Borrow	10.00	X 10.14	= 101.40	+ 285.00	= 386.40
Cost of Embankment, Selected Borrow	10.00	X 10.14	= 101.40	+ 320.00	= 421.40

UNIT COST DERIVATION FOR PORTLAND CEMENT

TOTAL QUANTITY REQUIREMENTS FOR PORTLAND CEMENT

Description	Quantity (Bags)
Portland Cement Concrete Pavement	10,020.01
Portland Cement Concrete Pavement	50,843.24
Structural Concrete, Class A	4,902.00
Lean Concrete for RCBC	-
Reinforced Concrete Culverts Pipe, 910 mm dia	33.48
Reinforced Concrete Culverts Pipe, 610 mm dia	-
Grouled Riprap, Class A	20.00
Stone Masonry	45.00
Manhole	4.00
Concrete Cover	-
Concrete Curb & Gutter	-
Reflectorized Pavement Studs Raised Profile Type	-
Reflectorized Thermoplastic Pavement Markings Ye	-
Concrete Structure (Lean Concrete)	-
TOTAL	65,867.73

Quantity = 65,867.73 Bags

Delivery Charge = P 0.12 /bag/km

SITE	HAULING DISTANCE
Zamboanga del Sur 1st DEO	
PROJECT SITE	65.00

* Average Hauling Distance from source to assumed stockpiling area:
say 65.00 km.

Delivery Charge = P 0.12 X 65.00
Delivery Charge = P 7.80 /bag

* Delivery Truck : 65,867.73 bags (hauling works)
20,000.00 kgs., (capacity per haul)
500.00 bags, (capacity per haul)

* Capacity of Laborers unloading bags of Cement from Delivery Truck:
Assume 10 laborers can unload 500.00 bags of Cement
*Dumptruck (10 Wheeler) days computation : **TIME - MOTION ANALYSIS**
Speed when loaded : 30.00 kph
Speed when unloaded : 40.00 kph

Loaded Running = $\frac{65.00 \times 60.00}{30.00}$ = 130 mins.

Unloading Running = $\frac{65.00 \times 60.00}{40.00}$ = 97.5 mins.

Loading & Unloading = 45.00 mins.

Capacity of Dumptruck = 8.00 cu.m.

500.00 bags

Total Cycle Time = 272.50 mins.

$$\text{No. of trips for Dumptruck per day} = \frac{8.00}{272.50} \times 60.00 = 1.76 \text{ trips}$$

$$\begin{aligned} \text{Dumptruck Daily Output} &= 500.00 \times 1.76 = 880.73 \text{ cu.m.} \\ \text{Using 4 Dumptruck} &= 880.73 \times 4.00 = 3,522.94 \text{ cu.m.} \end{aligned}$$

$$\text{No. of Days for Dumptruck} = \frac{65,867.73}{3,522.94} = 18.70 \text{ days}$$

$$\begin{aligned} \text{No. of Days for Labor for unloading} &= \text{complimentary to D.Truck days} = 18.70 \text{ days} \end{aligned}$$

DELIVERY COST:

$$65,867.73 \text{ Bags, Portland Cement} @ \text{ P } 7.80 \text{ /bag} = \text{ P } 513,768.29$$

Sub-total 513,768.29

LABOR:

$$\begin{aligned} 1 \text{ Foreman} & @ \text{ P } 558.00 \text{ /day} \times 18.70 \text{ days} = \text{ P } 10,432.83 \\ 10 \text{ Laborers} & @ \text{ P } 312.24 \text{ /day} \times 18.70 \text{ days} = 58,378.98 \\ \text{Sub-total} & \underline{\hspace{1cm}} \text{ 68,811.81} \end{aligned}$$

MATERIALS:

$$65,867.73 \text{ Bags, Portland Cement} @ \text{ P } 270.00 \text{ /bag} = \text{ P } 17,784,287.10$$

Sub-total 17,784,287.10

Estimated Quantity : 65,867.73 Bags

Unit Cost	P	278.84
Grand Total	P	18,366,867.21
Delivery Cost	P	513,768.29
Labor	P	68,811.81
Materials	P	17,784,287.10