



Construction of By-Pass and Diversion R - Sominot - Dumingag 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	487,275.92		487,275.92		511,639.72		0.67%
	TOTAL OF PART A				1,290,435.61						1.77%
PART B	Other General Requirements										
B.4(1)	Construction Survey and Staking	2.66		km	44,894.15		16,877.50		20,911.22		0.06%
B.5	Project Billboard	2.00		unit	3,411.12		1,705.56		2,113.19		0.00%
B.7	Occupational Safety & Health Program	1.00		ls	336,614.76		336,614.76		381,721.14		0.46%
B.9	Mobilization & Demobilization	1.00		ls	714,903.00		714,903.00		750,648.15		0.98%
	TOTAL OF PART B				1,099,823.03						1.51%
PART C	Earthworks										
102(2)	Surplus Common Excavation	53,437.00		cu.m	7,620,573.75		142.61		176.69		10.43%
103(3)	Foundation Fill	3.54		cu.m	6,151.98		1,737.85		2,153.19		0.01%
103(6)a	Pipe Culverts and Drain Excavation	22.00		cu.m	5,076.57		230.75		285.90		0.01%
104(1a)	Embankment from Roadway Excavation	46,015.00		cu.m	10,624,930.37		230.90		286.09		14.55%
105(1a)	Subgrade Preparation	22,789.00		sq.m	364,833.94		16.01		19.84		0.50%
	TOTAL OF PART C				18,621,566.62						25.50%
PART D	Subbase and Base Course										
200(1)	Aggregate Subbase Course	10,633.00		cu.m	15,797,610.52		1,485.72		1,840.80		21.63%
	TOTAL OF PART D				15,797,610.52						21.63%
PART E	Surface Courses										
300(1)	Gravel Surface Course	1,316.00		cu.m	2,106,541.30		1,600.72		1,983.29		2.88%
311(1e1)	Portland Cement Concrete Pavement	18,379.00		sq.m	29,645,596.04		1,613.01		1,998.53		40.59%
	TOTAL OF PART E				31,752,137.34						43.48%
PART G	Drainage and Slope Protection Structures										
500(1)b3	Reinforced Concrete Culverts Pipe, 910 mm dia	15.00		ln.m	48,952.69		3,263.51		4,043.49		0.07%
505(5)	Grouted Riprap, Class A	6.50		cu.m	22,300.01		3,430.77		4,250.73		0.03%
506(1)	Stone Masonry	14.50		cu.m	48,830.32		3,367.61		4,172.47		0.07%
	TOTAL OF PART G				120,083.03						0.16%
PART H	Miscellaneous Structure										
612(1)	Reflectorized Thermoplastic Pavement Markings White	664.50		sq.m	486,212.11		731.70		906.57		0.67%
622(1)a	Coconet Bio-Engineering Solutions (Coconet)	9,678.50		sq.m	1,645,620.14		170.03		210.67		2.25%

622(2)b	Coconet Bio-Engineering Solutions (Cocologs/Fasc	1,020.00			628,552.65		616.23		763.51		0.86%
622(3)a	Coconet Bio-Engineering Solutions (Vegetation)	9,678.50		sq.m	1,589,908.68		164.27		203.53		2.18%
	TOTAL OF PART H				4,350,293.58						5.96%
	GRAND TOTAL				73,031,949.72						100.00%

73,031,949.72



Construction of By-Pass and Diversion : s - Sominot - Dumingag 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							



GION IX

Construction of By-Pass and Diversion Roads - Somot - Damingag Road, Zamboanga del Sur
Zamboanga del Sur

FORM POW-2015-01C-08

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	0.67%	1.00	ls	386,000.00	101,275.92	-	487,275.92	0.00%	-	24,363.80	511,639.72
	TOTAL OF PART A	AS EVALUATED											
		AS SUBMITTED	1.77%			1,102,144.06	157,559.22	30,732.33	1,290,435.61		87,662.81	68,904.92	1,447,003.34
PART B	Other General Requirements												
B.4(1)	Construction Survey and Staking	AS EVALUATED											
		AS SUBMITTED	0.06%	2.66	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	0.00%	2.00	unit	3,339.00	72.12	-	3,411.12	18.00%	614.00	201.26	4,226.38
B.7	Occupational Safety & Health Program	AS EVALUATED											
		AS SUBMITTED	0.46%	1.00	ls	10,458.00	326,156.76	-	336,614.76	8.00%	26,929.18	18,177.20	381,721.14
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	1.51%			29,547.00	352,673.03	717,603.00	1,099,823.03		35,624.13	56,772.36	1,192,219.52
PART C	Earthworks												
102(2)	Surplus Common Excavation	AS EVALUATED											
		AS SUBMITTED	10.43%	53,437.00	cu.m	-	152,530.35	7,468,043.40	7,620,573.75	18.00%	1,371,703.28	449,613.85	9,441,890.88
103(3)	Foundation Fill	AS EVALUATED											
		AS SUBMITTED	0.01%	3.54	cu.m	4,919.40	740.78	491.80	6,151.98	18.00%	1,107.36	362.97	7,622.30
103(6)a	Pipe Culverts and Drain Excavation	AS EVALUATED											
		AS SUBMITTED	0.01%	22.00	cu.m	-	238.06	4,838.51	5,076.57	18.00%	913.78	299.52	6,289.87
104(1a)	Embankment from Roadway Excavation	AS EVALUATED											
		AS SUBMITTED	14.55%	46,015.00	cu.m	-	288,433.67	10,336,496.70	10,624,930.37	18.00%	1,912,487.47	626,870.89	13,164,288.73
105(1a)	Subgrade Preparation	AS EVALUATED											
		AS SUBMITTED	0.50%	22,789.00	sq.m	-	13,009.77	351,824.18	364,833.94	18.00%	65,670.11	21,525.20	452,029.26
	TOTAL OF PART C	AS EVALUATED											
		AS SUBMITTED	25.68%			4,919.40	454,952.63	18,161,694.59	18,621,566.62		3,351,881.99	1,098,672.43	23,072,121.04
PART D	Subbase and Base Course												
200(1)	Aggregate Subbase Course	AS EVALUATED											
		AS SUBMITTED	21.63%	10,633.00	cu.m	14,776,254.78	36,420.95	984,934.79	15,797,610.52	18.00%	2,843,569.89	932,059.02	19,573,239.43

	TOTAL OF PART D	AS EVALUATED											
		AS SUBMITTED	21.63%			14,776,254.78	36,420.95	984,934.79	15,797,610.52		2,843,569.89	932,059.02	19,573,239.43
PART E	Surface Courses												
300(1)	Gravel Surface Course	AS EVALUATED											
		AS SUBMITTED	2.88%	1,316.00	cu.m	1,980,132.56	4,507.66	121,901.08	2,106,541.30	18.00%	379,177.43	124,285.94	2,610,004.67
311(1e1)	Portland Cement Concrete Pavement	AS EVALUATED											
		AS SUBMITTED	40.59%	18,379.00	sq.m	25,523,352.77	274,010.51	3,848,232.76	29,645,596.04	18.00%	5,336,207.29	1,749,090.17	36,730,893.49
	TOTAL OF PART E	AS EVALUATED											
		AS SUBMITTED	40.59%			27,503,485.33	278,518.18	3,970,133.84	31,752,137.34		5,715,384.72	1,873,376.10	39,340,898.16
PART G	Drainage and Slope Protection Structures												
500(1)b3	Reinforced Concrete Culverts Pipe, 910 mm dia	AS EVALUATED											
		AS SUBMITTED	0.07%	15.00	ln.m	35,481.60	5,681.91	7,789.19	48,952.69	18.00%	8,811.49	2,888.21	60,652.39
505(5)	Grouted Riprap, Class A	AS EVALUATED											
		AS SUBMITTED	0.03%	6.50	cu.m	17,568.74	2,908.98	1,822.30	22,300.01	18.00%	4,014.00	1,315.70	27,629.72
506(1)	Stone Masonry	AS EVALUATED											
		AS SUBMITTED	0.07%	14.50	cu.m	39,191.80	5,069.73	4,568.79	48,830.32	18.00%	8,789.46	2,880.99	60,500.77
	TOTAL OF PART G	AS EVALUATED											
		AS SUBMITTED	0.16%			92,242.14	13,660.62	14,180.27	120,083.03		21,614.95	7,084.90	148,782.87
PART H	Miscellaneous Structure												
612(1)	Reflectorized Thermoplastic Pavement Markings White	AS EVALUATED											
		AS SUBMITTED	0.67%	664.50	sq.m	432,805.79	12,468.84	40,937.47	486,212.11	18.00%	87,518.18	28,686.51	602,416.80
622(1)a	Coconet Bio-Engineering Solutions (Coconet)	AS EVALUATED											
		AS SUBMITTED	2.25%	9,678.50	sq.m	1,432,901.93	85,596.90	127,121.31	1,645,620.14	18.00%	296,211.62	97,091.59	2,038,923.35
622(2)b	Coconet Bio-Engineering Solutions (Cocologs/Fascine)	AS EVALUATED											
		AS SUBMITTED	0.86%	1,020.00	ln.m	595,476.00	30,069.69	3,006.97	628,552.65	18.00%	113,139.48	37,084.61	778,776.74
622(3)a	Coconet Bio-Engineering Solutions (Vegetation)	AS EVALUATED											
		AS SUBMITTED	2.18%	9,678.50	sq.m	1,036,567.35	26,521.22	526,820.11	1,589,908.68	18.00%	286,183.56	93,804.61	1,969,896.86
	TOTAL OF PART H	AS EVALUATED											
		AS SUBMITTED	5.99%			3,497,751.07	154,656.64	697,885.86	4,350,293.58		783,052.84	256,667.32	5,390,013.74
	GRAND TOTAL	AS EVALUATED											
		AS SUBMITTED	97.33%			47,006,343.77	1,448,441.27	24,577,164.68	73,031,949.72		12,838,791.34	4,293,537.05	90,164,278.11



REGION IX

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

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	1,290,435.61		87,662.81	68,904.92	156,567.73	1,447,003.34
PART B	Other General Requirements	AS EVALUATED						
		AS SUBMITTED	1,099,823.03		35,624.13	56,772.36	92,396.49	1,192,219.52
PART C	Earthworks	AS EVALUATED						
		AS SUBMITTED	18,621,566.62		3,351,881.99	1,098,672.43	4,450,554.42	23,072,121.04
PART D	Subbase and Base Course	AS EVALUATED						
		AS SUBMITTED	15,797,610.52		2,843,569.89	932,059.02	3,775,628.91	19,573,239.43
PART E	Surface Courses	AS EVALUATED						
		AS SUBMITTED	31,752,137.34		5,715,384.72	1,873,376.10	7,588,760.82	39,340,898.16
PART G	Drainage and Slope Protection Structures	AS EVALUATED						
		AS SUBMITTED	120,083.03		21,614.95	7,084.90	28,699.84	148,782.87
PART H	Miscellaneous Structure	AS EVALUATED						
		AS SUBMITTED	4,350,293.58		783,052.84	256,667.32	1,039,720.17	5,390,013.74
TOTAL		AS EVALUATED						
		AS SUBMITTED	73,031,949.72		12,838,791.34	4,293,537.05	17,132,328.39	90,164,278.11

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:



SATURINO C. TORRE FRANCA
District Engineer
DPWH RO9

Approval:

Recommending Approval


KHADAFFY D. TANGGOL
OIC-Assistant Regional Director
DPWH RO9

Approved:


CAYAMBABO D. DIA
Regional Director
DPWH RO9



GION IX

Construction of By-Pass and Diversion Roads - Somiot - Damingag 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	487,275.92	0.00%	-	24,363.80	24,363.80	511,639.72
	TOTAL OF PART A	AS EVALUATED								
		AS SUBMITTED			1,290,435.61		87,662.81	68,904.92	156,567.73	1,447,003.34
PART B	Other General Requirements									
B.4(1)	Construction Survey and Staking	AS EVALUATED								
		AS SUBMITTED	2.66	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	2.00	unit	3,411.12	18.00%	614.00	201.26	815.26	4,226.38
B.7	Occupational Safety & Health Program	AS EVALUATED								
		AS SUBMITTED	1.00	ls	336,614.76	8.00%	26,929.18	18,177.20	45,106.38	381,721.14
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			1,099,823.03		35,624.13	56,772.36	92,396.49	1,192,219.52
PART C	Earthworks									
102(2)	Surplus Common Excavation	AS EVALUATED								
		AS SUBMITTED	53,437.00	cu.m	7,620,573.75	18.00%	1,371,703.28	449,613.85	1,821,317.13	9,441,890.88
103(3)	Foundation Fill	AS EVALUATED								
		AS SUBMITTED	3.54	cu.m	6,151.98	18.00%	1,107.36	362.97	1,470.32	7,622.30
103(5)a	Pipe Culverts and Drain Excavation	AS EVALUATED								
		AS SUBMITTED	22.00	cu.m	5,076.57	18.00%	913.78	299.52	1,213.30	6,289.87
104(1a)	Embankment from Roadway Excavation	AS EVALUATED								
		AS SUBMITTED	46,015.00	cu.m	10,624,930.37	18.00%	1,912,487.47	626,870.89	2,539,358.36	13,164,288.73
105(1a)	Subgrade Preparation	AS EVALUATED								
		AS SUBMITTED	22,789.00	sq.m	364,833.94	18.00%	65,670.11	21,525.20	87,195.31	452,029.26
	TOTAL OF PART C	AS EVALUATED								
		AS SUBMITTED			18,621,566.62		3,381,881.99	1,098,672.43	4,450,554.42	23,072,121.04
PART D	Subbase and Base Course									
200(1)	Aggregate Subbase Course	AS EVALUATED								
		AS SUBMITTED	10,633.00	cu.m	15,797,610.52	18.00%	2,843,569.89	932,059.02	3,775,628.91	19,573,239.43

	TOTAL OF PART D	AS EVALUATED			-						
		AS SUBMITTED			15,797,610.52		2,843,569.89	932,059.02	3,775,628.91	19,573,239.43	
PART E	Surface Courses										
300(1)	Gravel Surface Course	AS EVALUATED									
		AS SUBMITTED	1,316.00	cu.m	2,106,541.30	18.00%	379,177.43	124,285.94	503,463.37	2,610,004.67	1,983.29
311(1e1)	Portland Cement Concrete Pavement	AS EVALUATED									
		AS SUBMITTED	18,379.00	sq.m	29,645,596.04	18.00%	5,336,207.29	1,749,090.17	7,085,297.45	36,730,893.49	1,998.53
	TOTAL OF PART E	AS EVALUATED			-						
		AS SUBMITTED			31,752,137.34		5,715,384.72	1,873,376.10	7,588,760.82	39,340,898.16	
PART G	Drainage and Slope Protection Structures										
500(1)b3	Reinforced Concrete Culverts Pipe, 910 mm dia	AS EVALUATED									
		AS SUBMITTED	15.00	ln.m	48,952.69	18.00%	8,811.49	2,888.21	11,699.69	60,652.39	4,043.49
505(5)	Grouted Riprap, Class A	AS EVALUATED									
		AS SUBMITTED	6.50	cu.m	22,300.01	18.00%	4,014.00	1,315.70	5,329.70	27,629.72	4,250.73
506(1)	Stone Masonry	AS EVALUATED									
		AS SUBMITTED	14.50	cu.m	48,830.32	18.00%	8,789.46	2,880.99	11,670.45	60,500.77	4,172.47
	TOTAL OF PART G	AS EVALUATED			-						
		AS SUBMITTED			120,083.03		21,614.95	7,084.90	28,699.84	148,782.87	
PART H	Miscellaneous Structure										
612(1)	Reflectorized Thermoplastic Pavement Markings White	AS EVALUATED									
		AS SUBMITTED	664.50	sq.m	486,212.11	18.00%	87,518.18	28,686.51	116,204.69	602,416.80	906.57
622(1)a	Coconet Bio-Engineering Solutions (Coconet)	AS EVALUATED	-	-	-						
		AS SUBMITTED	9,678.50	sq.m	1,645,620.14	18.00%	296,211.62	97,091.59	393,303.21	2,038,923.35	210.67
622(2)b	Coconet Bio-Engineering Solutions (Cocologs/Fascine)	AS EVALUATED	-	-	-						
		AS SUBMITTED	1,020.00	ln.m	628,552.65	18.00%	113,139.48	37,084.61	150,224.08	778,776.74	763.51
622(3)a	Coconet Bio-Engineering Solutions (Vegetation)	AS EVALUATED	-	-	-						
		AS SUBMITTED	9,678.50	sq.m	1,589,908.68	18.00%	286,183.56	93,804.61	379,988.17	1,969,896.86	203.53
	TOTAL OF PART H	AS EVALUATED			-						
		AS SUBMITTED			4,350,293.58		783,052.84	256,667.32	1,039,720.17	5,390,013.74	
	GRAND TOTAL	AS EVALUATED			-						
		AS SUBMITTED			73,031,949.72		12,838,791.34	4,293,537.05	17,132,328.39	90,164,278.11	

90,164,278.11

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. TORREBRANCA
 District Engineer
 DPWH RO9

Construction of By- and Diversion Roads - Sominot - Dunningag Roa, Zamboanga del Sur

Zamboanga del Sur

FORM-POW-2015-01D-00

Item No./Description : Const. of Field Office for the Engineer
 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. Construction Foreman	1	80	80.95	6,476.10
b. Masons	3	80	58.61	14,066.10
c. Carpenters	3	80	58.61	14,066.10
d. Laborers	6	80	45.16	21,675.00
Sub-Total for A-1 As Submitted				56,283.30
Labor				
A.2				
Sub-Total for A-2 As Evaluated				
Name and Capacity	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
Equipment				
B.1 a. One Begger 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+J1)	26,920.71
J.2 Value Added Tax - As Evaluated			5% of (G.2+H2+J2)	-
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+J2+J1)	-

Prepared by:

Checked/Reviewed

JERALD R. BARRERA
 JERALD R. BARRERA

Engineer II

ISIDRA A. ESTANISLAO
 ISIDRA A. ESTANISLAO

Engineer IV

Construction of By-pass and Diversion Roads - Sominot - Dunningag Roa
Zamboanga del Sur **amboanga del Sur**

FORM-POW-2015-01D-00

Item No./Description : Prov. Of Furniture, Equipment, & Appliance for Field Engineer

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				
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:


JERALD R. BARRERA
Engineer II

Checked/Reviewed


ISIDRA A. ESTANISLAO
Engineer IV

Construction of By-pass and Diversion Roads - Sominot - Duminagag Roa
Zamboanga del Sur **amboanga 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	1728	58.61	101,275.92
Sub-Total for A-1 As Submitted				101,275.92
Labor				
A.2				
Sub-Total for A-2 As Evaluated				-
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				101,275.92
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				101,275.92
E.2				
Direct Unit Cost (C.2 +D.2) - As Evaluated				-
F.1				
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				406,275.92
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	-
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated			12%/9%/7%/6% of G.1	-
I.1				
Contractor's Profit - As Submitted			10%/8% of G.1	-
I.2				
Contractor's Profit - As Evaluated			10%/8% of G.1	-
J.1				
Value Added Tax - As Submitted			5% of (G.1+H1+I1)	20,313.80
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)	426,589.72
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 - Somhot - Dumlingag Road
Zamboanga del Sur
DETAILED UNIT PRICE ANALYSIS

FORM-POW-2015-01D-00

Item No./Description : Construction Survey and Staking
Unit of Measurement : 2.66 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
<i>(For Office Works)</i>				
a. Geodetic Engineer	1	80	80.95	6,476.10
b. Skilled Laborer	2	80	58.61	9,377.40
Sub-Total for A-1 As Submitted				26,444.15
Labor				
A.2				
Sub-Total for A-2 As Evaluated				
Name and Capacity	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
Equipment				
a. Total Station with complete accessories	1	27	100.00	2,700.00
Sub-Total for B-1 As Submitted				2,700.00
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				29,144.15
C.2				
Total (A.2+B.2) - As Evaluated				-
D.1				
Output per Hour - As Submitted				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.)
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. BARRERA

Engineer II

Checked/Reviewed


ISIDRA A. ESTANISLAO

Engineer IV

Construction of By-pass and Diversion Roads - Sominot - Dumtingag Roa
Zamboanga del Sur
DETAILED UNIT PRICE ANALYSIS

FORM-POW-2015-01D-00

Item No./Description : Project Billboard
Unit of Measurement : 2.00 unit
Output per hour-As Submitted : 8.00
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	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.)
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				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.)
F.1	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. BARBERA
Engineer II

Checked/Reviewed


ISIDRA A. ESTANISLAO
Engineer IV

Construction of By- and Diversion Roads - Sominot - Dumingag Roa
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	864	80.95	69,941.88
b. First Aider	2	1728	74.14	256,214.88
A.1				
Sub-Total for A-1 As Submitted				326,156.76
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				326,156.76
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				326,156.76
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	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				336,614.76
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	26,929.18
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)	18,177.20
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)	381,721.14
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 - Sominot - Duminagag Rd. Zamboanga del Sur
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.)
A.1				-
Labor				
Sub-Total for A-1 As Submitted				-
A.2				
Sub-Total for A-2 As Evaluated				
B.1				
Equipment				
a. Low Bed Trailer	3	56	4,255.38	714,903.00
Sub-Total for B-1 As Submitted				714,903.00
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				-
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				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

Zamboanga del Sur

Item No./Description

: Surplus Common Excavation

Unit of Measurement	:	53,437.00	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
A.1	b. Laborer	2	1.00	45.16	90.31
	Sub-Total for A-1 As Submitted				171.26
	Labor				
A.2					-
					-
	Sub-Total for A-2 As Evaluated				-
	Name and Capacity	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
B.1	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				
B.2					
	Sub-Total for B-2 As Evaluated				
C.1	Total (A.1+B.1) - As Submitted				8,556.51
C.2	Total (A.2+B.2) - As Evaluated				-
D.1	Output per Hour - As Submitted				60.00
D.2	Output per Hour - As Evaluated				-
E.1	Direct Unit Cost (C.1 +D.1) - As Submitted				142.61
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				142.61
G.2	Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1	Overhead, Contingencies & Miscellaneous (OCM) - As Submitted			12%/9%/7%/6% of G.1	14.26
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	11.41
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)	8.41
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)	176.69
K.2	Total Unit Cost - As Evaluated			(G.2+H2+I2+J1)	-

Checked/Reviewed

ISIDRA A. ESTANISLAO

Engineer IV

FORM-POW-2015-01D-00

: Foundation Fill

3.54 cu.m

— — — — —

	Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
	Labor				
	a. Construction Foreman	1	1.00	80.95	80.95
A.1	b. Laborer	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	cu.m	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

Construction of By-pass and Diversion Roads - Sominot - Dunningag Roa
Zamboanga del Sur
DETAILED UNIT PRICE ANALYSIS

FORM-POW-2015-01D-00

Item No./Description : Pipe Culverts and Drain Excavation
Unit of Measurement : 22.00 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
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.)
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			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. BARRERA
Engineer II

Checked/Reviewed


ISIDRA A. ESTANISLAO
Engineer IV

Construction of By-pass and Diversion Roads - Sominot - Duminagag Roa
Zamboanga del Sur
DETAILED UNIT PRICE ANALYSIS

FORM-POW-2015-01D-00

Item No./Description : Embankment from Roadway Excavation
Unit of Measurement : 46,015.00 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
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
<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				
Direct Unit Cost (E.2 + F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted			12%/9%/7%/6% of G.1	23.09
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	18.47
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)	13.62
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)	286.09
K.2				
Total Unit Cost - As Evaluated			(G.2+H2+I2+J1)	-

Prepared by:

Checked/Reviewed


JERALD R. BARNERA

Engineer II


ISIDRA A. ESTANISLAO

Engineer IV

DETAILED UNIT PRICE ANALYSIS

FORM-POW-2015-01D-00

Item No./Description : Subgrade Preparation

Unit of Measurement : 22,789.00 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.)
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. 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
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1 Total (A.1+B.1) - As Submitted				4,802.76
C.2 Total (A.2+B.2) - As Evaluated				-
D.1 Output per Hour - As Submitted				300.00
D.2 Output per Hour - As Evaluated				-
E.1 Direct Unit Cost (C.1 ÷ D.1) - As Submitted				16.01
E.2 Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				-
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
F.1 Materials				
				-
				-
Sub-Total for F-1 As Submitted				-
Materials				
F.2				
Sub-Total for F-2 As Evaluated				-
G.1 Direct Unit Cost (E.1+F.1) - As Submitted				16.01
G.2 Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1 Overhead, Contingencies & Miscellaneous (OCM) - As Submitted			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+H.1+I.1)	0.94
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)	19.84
K.2 Total Unit Cost - As Evaluated			(G.2+H.2+I.2+J.2)	-

Prepared by:


JERALD R. BARRERA
Engineer II

Checked/Reviewed


ISIDRA A. ESTANISLAO
Engineer IV

Construction of By- and Diversion Roads - Somnol - Dunningag Road, Zamboanga del Sur

Zamboanga del Sur

DETAILED UNIT PRICE ANALYSIS

FORM-POW-2015-01D-00

Item No./Description : Aggregate Subbase Course


Unit of Measurement : 10,633.00 cu.m

Output per hour-As Submitted : 50.00

Output per hour-As Evaluated : -

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
Labor				
a. Construction Foreman	1	1.00	80.95	80.95
b. laborer	2	1.00	45.16	90.31
				-
				-
Sub-Total for A-1 As Submitted				171.26
Labor				
				-
				-
Sub-Total for A-2 As Evaluated				-
A.2				
Equipment	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
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				
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				-
F.1				
Materials	Unit	Quantity	Unit Cost	Amount (Php.)
a. Aggregate Subbase Course	cu.m	1.15	1,208.40	1,389.66
				-
Sub-Total for F-1 As Submitted				1,389.66
Materials				
Sub-Total for F-2 As Evaluated				-
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+J2)	-

Prepared by:


JERALD R. BARRERA
Engineer II

Checked/Reviewed


ISIDRA A. ESTANISLAO
Engineer IV

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

FORM-POW-2015-01D-00

Item No./Description : Gravel Surface Course
 Unit of Measurement : 1,316.00 cu.m
 Output per hour-As Submitted : 50.00
 Output per hour-As Evaluated :

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
Labor				
a. Construction Foreman	1	1.00	80.95	80.95
b. Laborer	2	1.00	45.16	90.31
				-
				-
Sub-Total for A-1 As Submitted				171.26
Labor				
				-
				-
A.2				
Sub-Total for A-2 As Evaluated				-
Equipment				
a. Motorized Road Grader	1	1.00	2,173.00	2,173.00
b. Vibratory Roller	1	1.00	1,846.00	1,846.00
c. Water Truck/Pump	1	0.25	2,450.00	612.50
Sub-Total for B-1 As Submitted				4,631.50
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				4,802.76
C.2				
Total (A.2+B.2) - As Evaluated				-
D.1				
Output per Hour - As Submitted				50.00
D.2				
Output per Hour - As Evaluated				-
E.1				
Direct Unit Cost (C.1 ÷ D.1) - As Submitted				96.06
E.2				
Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				-
Materials				
a. 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				-
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				1,600.72
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				160.07
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1				
Contractor's Profit - As Submitted				128.06
I.2				
Contractor's Profit - As Evaluated				-
J.1				
Value Added Tax - As Submitted				94.44
J.2				
Value Added Tax - As Evaluated				-
K.1				
Total Unit Cost - As Submitted				1,983.29
K.2				
Total Unit Cost - As Evaluated				-

Prepared by:

Checked/Reviewed


JERALD R. BARRERA
 Engineer II


ISIDRA A. ESTANISLAO
 Engineer IV

Construction of By-Pass and Diversion Roads - Somnhot - Dunningag Road
Zamboanga del Sur
DETAILED UNIT PRICE ANALYSIS

FORM-POW-2015-01D-00

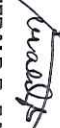
Item No./Description : Portland Cement Concrete Pavement

Unit of Measurement : 18,379.00 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 (P/p.)
A.1	Labor				
	a. Construction Foreman	1	1.00	80.95	80.95
	b. Skilled Laborer	4	1.00	58.61	234.44
	c. Laborer	12	1.00	45.16	541.88
					-
					-
	Sub-Total for A-1 As Submitted				857.26
A.2	Labor				
					-
	Sub-Total for A-2 As Evaluated				-
B.1	Equipment	No. of Units	No. of Hour/s	Hourly Rate	Amount (P/p.)
	a. Transic 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
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				57.50
D.2	Output per Hour - As Evaluated				-
E.1	Direct Unit Cost (C.1 ÷ D.1) - As Submitted				224.29
E.2	Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				-
F.1	Name and Specification	Unit	Quantity	Unit Cost	Amount (P/p.)
	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
F.2	Materials				
	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 - Sominot - Duminagag 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 : 15.00 ln.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 (Pnp.)
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				
Sub-Total for A-2 As Evaluated				-
Name and Capacity	No. of Units	No. of Hour/s	Hourly Rate	Amount (Pnp.)
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				
Sub-Total for B-2 As Evaluated				
Total (A.1+B.1) - As Submitted				898.07
Total (A.2+B.2) - As Evaluated				-
Output per Hour - As Submitted				1.00
Output per Hour - As Evaluated				-
Direct Unit Cost (C.1 +D.1) - As Submitted				898.07
Direct Unit Cost (C.2 +D.2) - As Evaluated				-
Name and Specification	Unit	Quantity	Unit Cost	Amount (Pnp.)
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				
Sub-Total for F-2 As Evaluated				-
Direct Unit Cost (E.1+F.1) - As Submitted				3,263.51
Direct Unit Cost (E.2+F.2) - As Evaluated				-
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted			12%/9%/7%/6% of G.1	326.35
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated			12%/9%/7%/6% of G.1	-
Contractor's Profit - As Submitted			10%/8% of G.1	261.08
Contractor's Profit - As Evaluated			10%/8% of G.1	-
Value Added Tax - As Submitted			5% of (G.1+H1+I1)	192.55
Value Added Tax - As Evaluated			5% of (G.2+H2+I2)	-
Total Unit Cost - As Submitted			(G.1+H1+I1+J1)	4,043.49
Total Unit Cost - As Evaluated			(G.2+H2+I2+J1)	-

Prepared by:

Jerry
JERALD R. BARRERA
Engineer II

Checked/Reviewed

Isidra A. Estanislao
ISIDRA A. ESTANISLAO
Engineer IV

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

FORM-POW-2015-01D-00

Item No./Description : Grouted Riprap, Class A
Unit of Measurement : 6.50 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 (Pnp.)
Labor				
a. Construction Foreman	1	1.00	80.95	80.95
b. Skilled Laborer	2	1.00	58.61	117.22
c. Laborer	8	1.00	45.16	361.25
Sub-Total for A-1 As Submitted				559.42
Labor				
				-
Sub-Total for A-2 As Evaluated				-
A.2				
Sub-Total for A-2 As Evaluated				
Name and Capacity				
No. of Units	No. of Hour/s	Hourly Rate	Amount (Pnp.)	
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 (Pnp.)	
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				
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+H.1+I.1)		202.42
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)		4,250.73
K.2				
Total Unit Cost - As Evaluated		(G.2+H.2+I.2+J.2)		-

Prepared by:

Jerald R. Barrera
JERALD R. BARRERA
Engineer II

Checked/Reviewed

Isidra A. Estanislao
ISIDRA A. ESTANISLAO
Engineer IV

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

FORM-POW-2015-01D-00

Item No./Description : Stone Masonry
Unit of Measurement : 14.50 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.1				
a. Construction Foreman	1	1.00	80.95	80.95
b. Skilled Laborer	2	1.00	58.61	117.22
c. Laborer	8	1.00	45.16	361.25
Sub-Total for A-1 As Submitted				559.42
Labor				
A.2				
Sub-Total for A-2 As Evaluated				-
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
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				
Total (A.1+B.1) - As Submitted				1,063.56
C.2				
Total (A.2+B.2) - As Evaluated				-
D.1				
Output per Hour - As Submitted				1.60
D.2				
Output per Hour - As Evaluated				-
E.1				
Direct Unit Cost (C.1 +D.1) - As Submitted				664.73
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				
Direct Unit Cost (E.1+F.1) - As Submitted				3,367.61
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted		12%/9%/7%/6% of G.1		336.76
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated		12%/9%/7%/6% of G.1		-
I.1				
Contractor's Profit - As Submitted		10%/8% of G.1		269.41
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)		198.69
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)		4,172.47
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 - Somhot - Dumlingag Road
Zamboanga del Sur
DETAILED UNIT PRICE ANALYSIS

FORM-POW-2015-01D-00

Item No./Description : Reflectorized Thermoplastic Pavement Markings White
Unit of Measurement : 664.50 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. Construction Foreman	1	1.00	80.95	80.95
b. Skilled Laborer	2	1.00	58.61	117.22
c. Laborer	6	1.00	45.16	270.94
Sub-Total for A-1 As Submitted				469.11
Labor				
Sub-Total for A-2 As Evaluated				-
Name and Capacity	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
Equipment				
a. Cargo Truck/Delivery Truck	1	1.00	1,212.00	1,212.00
b. Applicator Machine	1	1.00	93.75	93.75
c. Kneading Machine	1	1.00	187.50	187.50
Minor Tools (10% of Labor Cost)				46.91
Sub-Total for B-1 As Submitted				1,540.16
Equipment				
Sub-Total for B-2 As Evaluated				
Total (A.1+B.1) - As Submitted				2,009.27
Total (A.2+B.2) - As Evaluated				-
Output per Hour - As Submitted				25.00
Output per Hour - As Evaluated				-
Direct Unit Cost (C.1 + D.1) - As Submitted				80.37
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)	gyl	0.00	90.00	0.36
e. LPG (12 kg)	gyl	0.00	50.00	0.10
f. Calsunline	kg	0.13	5.00	0.63
Miscellaneous (5% of Materials Cost)				31.02
Sub-Total for F-1 As Submitted				651.33
Materials				
Sub-Total for F-2 As Evaluated				-
Direct Unit Cost (E.1+F.1) - As Submitted				731.70
Direct Unit Cost (E.2+F.2) - As Evaluated				-
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted		12%/9%/7%/6% of G.1		73.17
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated		12%/9%/7%/6% of G.1		-
Contractor's Profit - As Submitted		10%/8% of G.1		56.54
Contractor's Profit - As Evaluated		10%/8% of G.1		-
Value Added Tax - As Submitted		5% of (G.1+H1+I1)		43.17
Value Added Tax - As Evaluated		5% of (G.2+H2+I2)		-
Total Unit Cost - As Submitted		(G.1+H1+I1+J1)		906.57
Total Unit Cost - As Evaluated		(G.2+H2+I2+J1)		-

Prepared by:


JERALD R. BARERRA

Engineer II

Checked/Reviewed


ISIDRA A. ESTANISLAO

Engineer IV

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

FORM-POW-2015-01D-00

Item No./Description : Coconet Bio-Engineering Solutions (Coconet)
Unit of Measurement : 9,678.50 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
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	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-Pass and Diversion Roads - Sominot - Dunningag Road - Zamboanga 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 : 1,020.00 ln.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 (P1p.)
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 (P1p.)
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 (P1p.)
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 By-1 and Diversion Roads - Sominot - Dunningag Roa mboanga del Sur
Zamboanga del Sur
DETAILED UNIT PRICE ANALYSIS

FORM-POW-2015-01D-00

Item No./Description : Coconet Bio-Engineering Solutions (Vegetation)
Unit of Measurement : 9,678.50 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				
				-
				-
Sub-Total for A-2 As Evaluated				-
A.2				
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
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				
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	13.14
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)	9.69
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)	203.53
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

UNIT COST ANALYSIS FOR HAULING COST FOR ALL AGGREGATES

Hauling Cost from the District Office to Site

Item No : ALL AGGREGATES
Quantity : 1,000.00

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

Hauling : Using 10.00 cu.m. capacity 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 Volume to be Carried per DT : 11.57 cu.m.

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

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

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

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

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

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

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

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

EQUIPMENT USED: (2009 ACCEL RATES)

$$4.00 - \text{Unit Dumptruck} @ P 10,816.00 / \text{day} \times 1.17 \text{ days} = P \frac{50,700.00}{\text{Sub-Total}} \quad P \underline{50,700.00}$$

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 Coarse 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	-
Portland Cement Concrete Pavement	48,888.14
Structural Concrete, Class A	-
Lean Concrete for RCBC	-
Reinforced Concrete Culverts Pipe, 910 mm dia	16.20
Reinforced Concrete Culverts Pipe, 610 mm dia	-
Grouted Riprap, Class A	16.25
Stone Masonry	36.25
Manhole	4.00
Concrete Cover	-
Concrete Curb & Gutter	-
Reinforced Pavement Studs Raised Profile Type	-
Trees (Furnishing & Transplanting)	-
Concrete Structure (Lean Concrete)	-
TOTAL	48,960.84

Quantity = 48,960.84 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 : 48,960.84 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 cum.

500.00 bags

Total Cycle Time = 272.50 mins.

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

$$\begin{array}{lclcl} \text{Dumptruck Daily Output} & = & 500.00 & \times & 1.76 & = & 880.73 & \text{CU.M.} \\ \text{Using 4 Dumptruck} & = & 880.73 & \times & 4.00 & = & 3,522.94 & \text{CU.M.} \end{array}$$

$$\text{No. of Days for Dumptruck} = \frac{48,960.84}{3,522.94} = 13.90 \text{ days}$$

$$\text{No. of Days for Labor for unloading} = \text{complimentary to D.Truck days} = 13.90 \text{ days}$$

DELIVERY COST:

$$48,960.84 \text{ Bags, Portland Cement} @ \text{ P } 7.80 \text{ /bag} = \text{ P } \underline{381,894.55}$$

$$\text{Sub-total} = \underline{381,894.55}$$

LABOR:

$$\begin{array}{lclclcl} 1 \text{ Foreman} & @ & \text{ P } 558.00 & \text{ /day} & \times & 13.90 & \text{ days} & = & \text{ P } 7,754.94 \\ 10 \text{ Laborers} & @ & \text{ P } 312.24 & \text{ /day} & \times & 13.90 & \text{ days} & = & 43,394.30 \\ & & & & & & & & \underline{51,149.24} \\ & & & & & & \text{Sub-total} & & \end{array}$$

MATERIALS:

$$48,960.84 \text{ Bags, Portland Cement} @ \text{ P } 270.00 \text{ /bag} = \text{ P } \underline{13,219,426.80}$$

$$\text{Sub-total} = \underline{13,219,426.80}$$

Estimated Quantity : 48,960.84 Bags

Unit Cost	P	278.84
Grand Total	P	13,652,470.59
Delivery Cost	P	381,894.55
Labor	P	51,149.24
Materials	P	13,219,426.80