

(IMPLEMENTING OFFICE)

PROGRAM OF WORK/BUDGET COST

FORM POW-2015-01-00

roject	:	Road Widening - Primary Roads - Dipolog - Punta - Dansullan - Sergio Osmeña Zamboanga del Norte/Sur	Net Length	: (a) Ro	ad 4	817.00 ln.m	4.82 km
		Boundary		(b) Bro	dg		
				(c) Oth	her		
roject ID	2		Target Start Date	:	-		
ocation	1	Zamboanga del Norte	Total Project Duration	:	171	Calendar Days	
tation Limits	:	K1868+158.00 - K1872+975.00	No. of Pre-determined	:	38	Calendar Days	
ource of Funds		CY-2019	Unworkable Days	:	19	Calendar Days	

				AS SUBMITTED	AS EVALUATED				
DESCRIPTION OF WORKS TO BE DONE	QUANTITY	UNIT	% TOTAL	TOTAL DIRECT COST	% TOTAL	TOTAL DIRECT COST			
PART A: Facilities for the Engineers			1.12%	1,204,376.50					
B: Other General Requirements			0.66%	713,826.36					
C: Earthworks			13.93%	14,960,584.73					
D: Subbase and Base Course			28.15%	30,220,687.59					
E: Surface Courses			54.44%	58,446,587.68					
F: Bridge Construction			0.00%	_					
G: Drainage and Slope Protection Structures			0.87%	935,713.65					
H: Miscellaneous Structure			0.82%	880,962.19					
I: Provisional Sum			0.00%	-					
J: Davwork			0.00%	-					

EQUIPMENT:

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

BREAKDOWN OF EXPENDITURES:

	AS SUBMITTED	AS EVALUATED
1. Labor	1,255,461.74	
2. Materials	82,051,735.74	
3. Rental of Equipment	24,055,541.22	
4. Provisional Sum/Daywork	- 1	
5. OCM and Profit	19,091,929.82	
6. Value Added Tax	6,322,733.43	
7. EAO, 3.5%	4,647,209.07	
8. RROW Acquisition	11,972,598.04	
9. Physical Reseved (Contigency)	602,790.93	
10. TOTAL ESTIMATED COST	150,000,000.00	

	AS SUBMITTED	AS EVALUATED	
A. Total Direct Cost	107,362,738.71		•
B. OCM and Profit	19,091,929.82		
C. Value Added Tax	6,322,733.43		Ī
D. Total Construction Cost	-		
E. Eng'g. & Administrative Overhead	4,647,209.07		
F. RROW Acquisition	11,972,598.04		
G. Physical Reserved (Contingency)	602,790.93		
H. TOTAL ESTIMATED COST	150,000,000.00		

150,000,000.00

		- 1	
reparation	and	Subm	ussion:

JERALD R. BARRERA

Engineer II

DPWH ROS

Prepared by:

Checked/Submiletd by:

ISIDRA A. ESTANISLAO

Engineer IV DPWH RO9

Evaluation: Reviewed by:

TURNING C. TORREFRANCA

DPWH RO9

Approval:

Recommending Approval

KHADAFFY D. JANGGOL

Approved:

DOWH ROS



Road Widening - Primary Roads - Dipolog - Punta - Sullan - Sergio Osmeña Zamboanga del Norte/Sur Boundary

Zamboanga del Norte

ITEMIZED BREAKDOWN

FORM POW-2015-01A-00

	DESCRIPTION	OHALIO	YTITY	UNIT		DIRECT		TOTAL UI	% DIRECT		
ITEM NO.	DESCRIPTION	<u> </u>			TOTA	AL	TINU	COST	10.	TAL	COST
		AS SUBMITTED	AS EVALUATED		AS SUBMITTED	AS EVALUATED	AS SUBMITTED	AS EVALUATED	AS SUBMITTED	AS EVALUATED	AS EVALUATED
PART A	Facilities for the Engineers										
A.1.1 (3)	Const. of Field Office for the Enigneer	1.00		ls	487,015.63		487,015.63		603,412.37		0.45%
A.1.1 (11)	Prov. Of Furniture, Equipment, & Appliance for Field Engineer	1.00		Is	322,909.69		322,909.69		339,055.1 <i>7</i>		0.30%
A.1.2 (5)	Operation & Maintenance of Gov't. Service Vehicles	1.00		is	394,451.18		394,451.18		414,173.74		0.37%
	TOTAL OF PART A				1,204,376.50						1.12%
PART B	Other General Requirements										
B.4(1)	Construction Survey and Staking	4.82		km	44,894.15		9,319.94		11,547.41		0.04%
B.5	Project Billboard	4.00		unit	7,831.93		1,957.98		2,425.94		0.01%
B.7	Occupational Safety & Health Program	1.00		ls	184,498.29		184,498.29		209,221.06		0.17%
B.9	Mobilization & Demobilization	1.00		ls	476,602.00		476,602.00		500,432.10		0.44%
	TOTAL OF PART B				713,826.36						0.66%
PART C	Earthworks										
101(2)	Removal of Existing Headwall	24.00		each	8,706.05		362.75		449.45	·	0.01%
102(2)	Surplus Common Excavation	84,509.00		cu.m	11,994,697.77		141.93		1 <i>7</i> 5.86		11.17%
103(3)	Foundation Fill	38.50		cu.m	71,365.61	- A	1,853.65		2,296.67		0.07%
103(6)a	Pipe Culverts and Drain Excavation	43.00		cu.m	9,922.38		230.75		285.90		0,01%
104(1a)	Embankment from Roadway Excavation	8,931.50		cu.m	2,049,065.14		229.42		284.25		1.91%
105(1a)	Subgrade Preparation	51,647.00		sq.m	826,827.80		16.01		19.84		0.77%
······································	TOTAL OF PART C				14,960,584.73						13.93%
PART D	Subbase and Base Course										
200(1)	Aggregate Subbase Course	18,870.00		cu.m	30,220,687.59	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1,601.52		1,984.28		28.15%
	TOTAL OF PART D				30,220,687.59						28.15%
PART E	Surface Courses										
300(1)	Gravel Surface Course	2,384.00		cu.m	4,160,724.34		1,745.27		2,162.39		3.88%
311(1e1)	Portland Cement Concrete Pavement	32,273.50		sg.m	54,285,863.34		1,682.06		2,084.07		50.56%
	TOTAL OF PART E				58,446,587.68						54.44%
PART G	Drainage and Slope Protection Structures		-								
500(1)b3	Pipe Culvert & Storm Drain	114.00		In.m	369,923.13		3,244.94		4,020.48		0.34%
505(5)	Grouted Riprap, Class "A"	50,00		cu.m	178,980.77		3,579.62		4,435.14		0.17%
506(1)	Stone Masonry	110.00		cu.m	386,809.75		3,516.45		4,356.88		0.36%
	TOTAL OF PART G				935,713.65						0.87%
PART H	Miscellaneous Structure								···		
612(1)	Reflectorized Thermoplastic Pavement Markings (White)	1,204.00		sq.m	880,962.19		731,70		906.57		0.82%
	TOTAL OF PART H				880,962.19						0.82%
	GRAND TOTAL				107,362,738.71						100.00%

Road Widening - Primary Roads - Dipolog - Punta Sullan - Sergio Osmeña Zamboanga del Norte/Sur Boundary

Zampoanga del Norte

FORM POW-2015-01B-00

MINIMUM EQUIPMENT REQUIREMENT

	Number of Number													
No.	Equipment Description	Capacity	Number of Equipment	No.	Equipment Description	Capacity	Number of Equipment							
1	Dumptruck (10 Wheeler)	12 cu. Yd	10	26										
2.	Builduzer		2	2.7										
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									
		тот	AL											





Road Widening - Primary Roads - Dipolog - Punta - Lansullan - Sergio Osmeña Zamboanga del Norte/Sur Boundary Zamboanga del Norte

FORM POW-2015-01C-00

					ITE	MIZED BREAKDO)WN						
							DETAILED BR	EAKDOWN OF C	OMPONENT CO				
ITEM NO.	DESCRIPTION			QTY	UNIT	DIRECT COST					AL MARK-UP	5% VAT	TOTAL COST
						MATERIAL	LABOR	EQUIPMENT	TOTAL	%	VALUE		
PART A	Facilities for the Engineers			Engliste et al			Heligospayita					(456) profesionale d	
A 1 1 (2)	Const. of Field Office for the Enigneer	AS EVALUATED											
A.I.I (3)	CONSC. OF FIELD OFFICE TO: BIE CHARGINGS	AS SUBMITTED	0.45%	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
4 1 1 (11)	D. Of F. it as F. is and C. Andiones for Fold Engineer	AS EVALUATED											
A.1.1 (11)	Prov. Of Furniture, Equipment, & Appliance for Field Engineer	AS SUBMITTED	0.30%	1.00	ls	322,909.69	-	-	322,909.69	0.00%	-	16,145.48	339,055.17
		AS EVALUATED											
A.1.2 (5)	Operation & Maintenance of Gov't, Service Vehicles	AS SUBMITTED	0.37%	1.00	ls	341,000.00	53,451.18	-	394,451.18	0.00%	-	19,722.56	414,173.74
		AS EVALUATED											
	TOTAL OF PART A	AS SUBMITTED	1.12%	•		1,063,909.69	109,734.48	30,732.33	1,204,376.50		87,662.81	64,601.97	1,356,641.28
PART B	Other General Requirements	i esperatoria								Name of			
		AS EVALUATED											
B.4(1)	Construction Survey and Staking	AS SUBMITTED	0.04%	4,82	km	15,750.00	26,444.15	2,700.00	44,894.15	18.00%	8,080.95	2,648.75	55,623.85
		AS EVALUATED			·								
B.5	Project Billboard	AS SUBMITTED	0.01%	4.00	unit	6,678.00	1,153.93	-	7,831.93	18.00%	1,409.75	462.08	9,703.76
		AS EVALUATED		<u> </u>									
B.7	Occupational Safety & Health Program	AS SUBMITTED	0.17%	1.00	ls	12,360.00	172,138.29	-	184,498.29	8,00%	14,759.86	9,962.91	209,221.06
		AS EVALUATED				· · · · · · · · · · · · · · · · · · ·		- · · · · · · · · · · · · · · · · · · ·					
B.9	Mobilization & Demobilization	AS SUBMITTED	0.44%	1.00	İs	-		476,602.00	476,602.00	0.00%	-	23,830.10	500,432.10
		AS EVALUATED							<u> </u>				· \ <u>\</u>
- Address	TOTAL OF PART B	AS SUBMITTED	0.66%			34,788.00	199,736,36	479,302.00	713,826.36		24,250.56	36,903.85	774,980.77
	- C	AD GODI II TIED	4.400404444	l Varana kandala Garda		designation of	aram estánia-mili	veces series	eseviere en 1944 ti	Y524945000	2000 J. H.	nandiavioni ca cat	
PART C	Earthworks	AS EVALUATED	mosty engage			Bayesin starte an Cur- erits <u>Parate</u>	erina in narang panggana.				Particular for specific and sections	Take the decision with the decision with a set	
101(2)	Removal of Existing Headwall	AS SUBMITTED	0.01%	24.00	each		443.92	8,262.13	8,706.05	18,00%	1,567.09	513.66	10,786.79
			0.0176	27.00	Cacii	_	113.32	5,202.13	0,700.03	20.0070			
102(2)	Surplus Common Excavation	AS EVALUATED AS SUBMITTED	11.17%	84,509.00	cu.m		184,212.89	11,810,484.87	11,994,697.77	18.00%	2,159,045.60	707,687.17	14,861,430.53
			11.1/70	84,309.00	Cuan		101,212.09	11,010,101.07	12,551,057.77	20,0070	2,135,6 15.00	707,007.127	
103(3)	Foundation Fill	AS EVALUATED	0.07%	38.50		57,960.40	8,056.55	5,348,65	71,365.61	18.00%	12,845.81	4,210.57	88,421.99
<u></u>		AS SUBMITTED	0.07%	30.30	cu.m	37,300.40	0,030.33	3,5-10.03	71,505.01	10.00 /0	12,5 .5.01	1,220.57	
103(6)a	Pipe Culverts and Drain Excavation	AS EVALUATED	0.010/	42.00			465,30	9,457.08	9,922.38	18.00%	1,786.03	585.42	12,293.83
		AS SUBMITTED	0.01%	43.00	cu.m	-	405.30	9,437.00	3,322.36	10.0076	1,700.03	303.42	12,255.05
104(1a)	Embankment from Roadway Excavation	AS EVALUATED		2.024.50			42 752 71	2.005.211.42	2,049,065.14	18.00%	368,831.72	120,894.84	2,538,791.70
		AS SUBMITTED	1.91%	8,931,50	cu.m	-	42,753.71	2,006,311.43	2,049,065.14	10.0076	300,031.72	120,051.01	2,330,732.70
105(1a)	Subgrade Preparation	AS EVALUATED					70 404 ***	707.242.62	926 927 64	19.000/	1/0 000 00	40 703 84	1,024,439.64
, , ,	-	AS SUBMITTED	0.77%	51,647.00	sq.m	-	29,484.20	797,343.60	826,827.80	18.00%	148,829.00	48,782.84	1,027,733.04
	TOTAL OF PART C	AS EVALUATED										602 574 72	40 FD6 464 40
		AS SUBMITTED	13.93%	<u> </u>		57,960.40	265,416.57	14,637,207.76	14,960,584.73		2,692,905.25	882,674.50	18,536,164.48
PART D	Subbase and Base Course												

						National Control of the Control of t						1	
200(1)	Aggregate Subbase Course	AS EVALUATED				r) 							
		AS SUBMITTED	28.15%	18,870.00	cu.m	28,408,124.55	64,634.94	1,747,928.10	30,220,687.59	18.00%	5,439,723.77	1,783,020.57	37,4 4 3,431.92
		AS EVALUATED											
	TOTAL OF PART D	AS SUBMITTED	28.15%			28,408,124.55	64,634.94	1,747,928.10	30,220,687.59		5,439,723.77	1,783,020.57	37,443,431.92
PART E	Surface Courses	Topical States	nyetanés		navejeta						sagniji nam	and an of the No.	de established de
200(4)		AS EVALUATED											
300(1)	Gravel Surface Course	AS SUBMITTED	3,88%	2,384.00	cu.m	3,931,728.56	8,165.86	220,829.92	4,160,724.34	18.00%	748,930.38	245,482.74	5,155,137.45
		AS EVALUATED											
311(1e1)	Portland Cement Concrete Pavement	AS SUBMITTED	50.56%	32,273.50	sq.m	47,047,209.54	481,162.10	6,757,491.70	54,285,863.34	18.00%	9,771,455.40	3,202,865.94	67,260,184.68
		AS EVALUATED											
	TOTAL OF PART E	AS SUBMITTED	54.44%			50,978,938.10	489,327.96	6,978,321.62	58,446,587.68		10,520,385.78	3,448,348.67	72,415,322.13
PART G	Drainage and Slope Protection Structures		35948E			deliment.			Regulation (1998)		TERRETARIAN		adalah padap pada pad
500(4)) 5		AS EVALUATED											
500(1)63	Pipe Culvert & Storm Drain	AS SUBMITTED	0.34%	114.00	lu.m	267,542.80	43,182.49	59,197.85	369,923.13	18.00%	66,586.16	21,825.46	458,334.76
	7.7.	AS EVALUATED											
505(5)	Grouted Riprap, Class "A"	AS SUBMITTED	0.17%	50.00	cu.m	142,586.34	22,376.75	14,017.68	178,980.77	18.00%	32,216.54	10,559.87	221,757.17
505(4)		AS EVALUATED											
506(1)	Stone Masonry	AS SUBMITTED	0.36%	110.00	cu.m	313,689.96	38,460.04	34,659.75	386,809.75	18.00%	69,625.76	22,821.78	479,257.28
	TOTAL OF BARTS	AS EVALUATED											
	TOTAL OF PART G	AS SUBMITTED	0.87%			723,819.10	104,019.28	107,875.28	935,713.65		168,428.46	55,207.11	1,159,349.22
PART H	Miscellaneous Structure			ore in complet	600000			English (Artes)				etestes et 976966.	
242/42	Down Marie - Office	AS EVALUATED											
612(1)	Reflectorized Thermoplastic Pavement Markings (White)	AS SUBMITTED	0.82%	1,204.00	sq.m	784,195.90	22,592.16	74,174.14	880,962.19	18.00%	158,573.20	51,976.77	1,091,512.16
	TOTAL OF PART H	AS EVALUATED									ļ		
	TOTAL OF PART H	AS SUBMITTED	0.82%			784,195.90	22,592.16	74,174.14	880,962.19		158,573.20	51,976.77	1,091,512.16
	COAND TOTAL	AS EVALUATED					<u> </u>						
	GRAND TOTAL	AS SUBMITTED	100,00%			82,051,735.74	1,255,461.74	24,055,541.22	107,362,738.71		19,091,929.82	6,322,733.43	132,777,401.96

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GION IX

Road Widening - Primary Roads - Dipolog - Punta - Dansullan - Sergio Osmeña Zamboanga del Norte/Sur Boundary

Zamboanga del Norte

SUMMARY OF APPROVED BUDGET FOR THE CONTRACT

FORM POW-2015-02-00

				1	TOTAL MARK-UP	VAT	TOTAL INDIRECT COST	TOTAL COST
	DESCRIPTION OF WORKS TO BE D	ONE	ESTIMATED DIRECT COST	%	TOTAL DIRECT COST	VAI	TOTAL INDIRECT COST	TOTAL COST
		AS EVALUATED						
PART A	Facilities for the Engineers	AS SUBMITTED	1,204,376.50		87,662.81	64,601.97	152,264.78	1,356,641.28
		AS EVALUATED						
PART B	Other General Requirements	AS SUBMITTED	713,826.36		24,250.56	36,903.85	61,154.40	774,980.77
		AS EVALUATED						enzan en
PART C	Earthworks	AS SUBMITTED	14,960,584.73		2,692,905.25	882,674.50	3,575,579.75	18,536,164.48
		AS EVALUATED						Market and the second
PART D	Subbase and Base Course	AS SUBMITTED	30,220,687.59		5,439,723.77	1,783,020.57	7,222,744.33	37,443,431.92
		AS EVALUATED						
PART E	Surface Courses	AS SUBMITTED	58,446,587.68	3	10,520,385.78	3,448,348.67	13,968,734.45	72,415,322.13
		AS EVALUATED						
PART G	Drainage and Slope Protection Structures	AS SUBMITTED	935,713.65		168,428.46	55,207.11	223,635.56	1,159,349.22
		AS EVALUATED						
PART H	Miscellaneous Structure	AS SUBMITTED	880,962.19		158,573.20	51,976.77	210,549.96	1,091,512.16
	TOTAL AS EVALUATED AS SUBMITTED							
			107,362,738.71		19,091,929.82	6,322,733.43	25,414,663.25	132,777,401.96

Preparation and Submission:

Prepared by:

Checked/Submiletd by:

R. Datur

JERALD R. BARRERA

Engineer II DPWH RO9 TETODA A ESTANTSI AC

Engineer IV DPWH RO9 **Evaluation:**

Reviewed by:

SATURNINO C. TORREFRANCA

District Engineer

DPWH RO9

Approval:

Recommending Approval

KHADAFFY D TANGGOL

OIC-Assis ant Regional Director

DPWH RÖ9

Approved:

Regional Director

egional Director DPWH RO9



Road Widening - Primary Roads - Dipolog - Punta - __asullan - Sergio Osmeña Zamboanga del Norte/Sur Boundary Zamboanga del Norte

FORM POW-2015-02A-00

										FORM FOW-	
ITEM NO.	DESCRIPTION		QΤΥ	UNIT	ESTIMATED DIRECT COST	т	OTAL MARK-UP	VAT	TOTAL INDIRECT COST	TOTAL COST	UNIT COST
TILL!			· ·	***************************************		%	VALUE				
PART A	Facilities for the Engineers	100000000000000000000000000000000000000	statisficancies.		er a selection de la company	33/5/92					unia kalendari A
		AS EVALUATED									
A.1.1 (3)	Const. of Field Office for the Enigneer	AS SUBMITTED	1.00	ls	487,015.63	18.00%	87,662.81	28,733.92	116,396.74	603,412.37	603,412.37
		AS EVALUATED									
A.1.1 (11)	Prov. Of Furniture, Equipment, & Appliance for Field Engineer	AS SUBMITTED	1.00	ls	322,909.69	0.00%	-	16,145.48	16,145.48	339,055.17	339,055.17
		AS EVALUATED									
A.1.2 (5)	Operation & Maintenance of Gov't. Service Vehicles	AS SUBMITTED	1.00	ls	394,451.18	0.00%	-	19,722.56	19,722.56	414,173.74	414,173.74
		AS EVALUATED									
	TOTAL OF PART A	AS SUBMITTED			1,204,376.50		87,662.81	64,601.97	152,264.78	1,356,641.28	
PART B	Other General Requirements	provided William		444483		processor.					
		AS EVALUATED									
B.4(1)	Construction Survey and Staking	AS SUBMITTED	4.82	km	44,894.15	18,00%	8,080.95	2,648.75	10,729.70	55,623.85	11,547.41
		AS EVALUATED									
B.5	Project Billboard	AS SUBMITTED	4.00	unit	7,831.93	18,00%	1,409.75	462.08	1,871.83	9,703.76	2,425.94
		AS EVALUATED									
B.7	Occupational Safety & Health Program	AS SUBMITTED	1.00	ls	184,498.29	8.00%	14,759.86	9,962.91	24,722.77	209,221.06	209,221.06
		AS EVALUATED									
B.9	Mobilization & Demobilization	AS SUBMITTED	1.00	ls	476,602.00	0.00%	-	23,830.10	23,830.10	500,432.10	500,432.10
-		AS EVALUATED			-						
İ	TOTAL OF PART B	AS SUBMITTED			713,826.36		24,250.56	36,903.85	61,154.40	774,980.77	
PART C	Earthworks										
		AS EVALUATED									
101(2)	Removal of Existing Headwall	AS SUBMITTED	24.00	each	8,706.05	18.00%	1,567.09	513.66	2,080.74	10,786.79	449.45
		AS EVALUATED									
102(2)	Surplus Common Excavation	AS SUBMITTED	84,509.00	cu.m	11,994,697.77	18.00%	2,159,045.60	707,687.17	2,866,732.77	14,861,430.53	175.86
		AS EVALUATED									
103(3)	Foundation Fill	AS SUBMITTED	38.50	cu.m	71,365.61	18.00%	12,845.81	4,210.57	17,056.38	88,421.99	2,296.67
		AS EVALUATED									
103(6)a	Pipe Culverts and Drain Excavation	AS SUBMITTED	43.00	cu.m	9,922.38	18.00%	1,786.03	585.42	2,371.45	12,293.83	285.90
		AS EVALUATED									
104(1a)	Embankment from Roadway Excavation	AS SUBMITTED	8,931.50	cu.m	2,049,065.14	18.00%	368,831.72	120,894.84	489,726.57	2,538,791.70	284.25
		AS EVALUATED									
105(1a)	Subgrade Preparation	AS SUBMITTED	51,647.00	sq.m	826,827.80	18,00%	148,829.00	48,782.84	197,611.84	1,024,439.64	19.84
	TOTAL OF PART C	AS EVALUATED					2 502 005 35	882,674.50	3,575,579.75	18,536,164.48	
	TOTAL OF FART C	AS SUBMITTED			14,960,584.73	Advision Sky	2,692,905.25	882,674.30	3,373,379.73	20/000/201710	artiana a santini artiana
PART D	Subbase and Base Course		zejemyarjevis.			(4)/ (c.i.i.j)/i.	i siteriario de altribit			energestroperas pro 18 tata e a 1 tata s	
200(1)	Aggregate Subbase Course	AS EVALUATED	46	ļ 	20.000.007.50	18.00%	5,439,723.77	1,783,020.57	7,222,744.33	37,443,431.92	1,984.28
		AS SUBMITTED	18,870.00	cu.m	30,220,687.59	10.0076	5,733,123.1/	1,700,020,07	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,,	
	TOTAL OF PART D	AS EVALUATED	 	}	30,220,687.59		5,439,723.77	1,783,020.57	7,222,744.33	37,443,431.92	
-		AS SUBMITTED	<u> </u>	<u> 1</u>	30,223,007.33		1		J		

PARTE	Surface Courses										
		AS EVALUATED									
300(1)	Gravel Surface Course	AS SUBMITTED	2,384.00	cu.m	4,160,724.34	18.00%	748,930.38	245,482.74	994,413.12	5,155,137.45	2,162.39
24444		AS EVALUATED									
311(1e1)	Portland Cement Concrete Pavement	AS SUBMITTED	32,273.50	sq.m	54,285,863.34	18.00%	9,771,455.40	3,202,865.94	12,974,321.34	67,260,184.68	2,084.07
	TOTAL OF DADT 5	AS EVALUATED			-						
	TOTAL OF PART E	AS SUBMITTED			58,446,587.68		10,520,385.78	3,448,348.67	13,968,734.45	72,415,322.13	
PART G	Drainage and Slope Protection Structures										
		AS EVALUATED									
500(1)63	Pipe Culvert & Storm Drain	AS SUBMITTED	114.00	ln.m	369,923.13	18.00%	66,586.16	21,825.46	88,411.63	458,334.76	4,020.48
		AS EVALUATED									
505(5)	Grouted Riprap, Class "A"	AS SUBMITTED	50.00	cu.m	178,980.77	18.00%	32,216.54	10,559.87	42,776.40	221,757.17	4,435.14
		AS EVALUATED									
506(1)	Stone Masonry	AS SUBMITTED	110.00	cu.m	386,809.75	18.00%	69,625.76	22,821.78	92,447.53	479,257.28	4,356.88
	TOTAL OF DIDT 0	AS EVALUATED			•						
	TOTAL OF PART G	AS SUBMITTED			935,713.65		168,428.46	55,207.11	223,635.56	1,159,349.22	
PART H	Miscellaneous Structure										
		AS EVALUATED									
612(1)	Reflectorized Thermoplastic Pavement Markings (White)	AS SUBMITTED	1,204.00	sq.m	880,962.19	18.00%	158,573.20	51,976.77	210,549.96	1,091,512.16	906.57
	TOTAL OF DADTA	AS EVALUATED			-						
	TOTAL OF PART H	AS SUBMITTED			880,962.19		158,573.20	51,976.77	210,549.96	1,091,512.16	
	GRAND TOTAL	AS EVALUATED			-					400 777 404 05	
i	GRAND TOTAL	AS SUBMITTED			107,362,738.71		19,091,929.82	6,322,733.43	25,414,663.25	132,777,401.96	

Preparation and Submission:

Prepared by:

Checked/Submiletd by:

JERALD R. BARRERA

Engineer II
Construction Division

ISIDRA A. ESTANISLAO

Engineer IV

Maintenance Division

Evaluation:

Reviewed by:

SATURNINO C. TORREFRANCA

District Engineer

Planning & Design Division

Road Widening - Primary Roa Dipolog - Punta - Dansullan - Sergio Osmeña Zar nga del Norte/Sur Boundary Zamboanga del Norte

FORM-POW-2015-01D-00

Item No./Description Const. of Field Office for the Enigneer

Unit of Measurement
Output per hour-As Submitted
Output per hour-As Evaluated 1.00 ls 1.00

	(G.2+H2+I2+J1)			Total Unit Cost - As Evaluated	K.2
565,335.01	(G.1+H1+I1+J1)			Total Unit Cost - As Submitted	
L	5% of (G.2+H2+I2)			Value Added Tax - As Evaluated	J.2
26,920.71	5% of (G.1+H1+I1)			Value Added Tax - As Submitted	J.1
į.	10%/8% of G.1			Contractor's Profit - As Evaluated	1.2
36,502.66	10%/8% of G.1		Indica	Contractor's Profit - As Submitted	I.1
10/020:00	170%/00%/70%/60% of C.1		linted	Overhead, Contingencies & Miscellaneous (OCM) - As Submitted	3 -
45 628 33	1706/06/706/606 of G 1		mittod 1	Overhead Contingencies & Miscellaneous (OCM) - As Sub-	. G.Z
456,283.30				Direct Unit Cost (E.1+F.1) - As Submitted	G.1
				Sub-Total for F-2 As Evaluated	Π
					F.2
				Equipment	
400,000.00				Sub-Total for F-1 As Submitted	
400,000.00	400,000.00	1	lumpsum	a. Materials	E
Amount (Php.)	Unit Cost	Quantity	Unit	Name and Specification	
				Direct Unit Cost (C.2 ÷D.2) - As Evaluated	E.2
56,283.30				Direct Unit Cost (C.1 ÷D.1) - As Submitted	E.1
				Output per Hour - As Evaluated	D.2
1.00				Output per Hour - As Submitted	D.1
				Total (A.2+B.2) - As Evaluated	C.2
56,283.30				Total (A.1+B.1) - As Submitted	C.1
				Sub-Total for B-2 As Evaluated	
					D.2
					ت د
				Equipment	
30,732.33				Sub-Total for B-1 As Submitted	
5,628.33				Minor Tools (10% of Labor Cost)	
19,600.00	2,450.00	8	1	b. Water Truck	
5,504.00	172.00	32	1	a. One Bagger Mixer	B.1
				Equipment	
Amount (Php.)	Hourly Rate	No. of Hour/s	No. of Units	Name and Capacity	
				Sub-Total for A-2 As Evaluated	
					ì
					A >
				Labor	
56,283.30				Sub-Total for A-1 As Submitted	
21,675.00	45.16	80	6	d. Laborers	
14,066.10	58.61	80	3	c. Carpenters	
14,066.10	58.61	80	З	b. Masons	A.L
6,476.10	80.95	80	1	a. Construction Foreman	
				Labor	
Amount (Php.)	Hourly Rate	No. of Hour/s	No. of Person/s	Designation	

Prepared by:

JERALD R. BARRERA Engineer II

Checked/Reviewed

Road Widening - Primary Roa

Dipolog - Punta - Dansullan - Sergio Osmeña Zar Zamboanga del Norte

nga del Norte/Sur Boundary

FORM-POW-2015-01D-00

Item No./Description

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

Unit of Measurement
Output per hour-As Submitted
Output per hour-As Evaluated

1.00 ls 1.00

(G.2+H2+I2+J1)				Total Unit Cost - As Submitted Total Unit Cost - As Evaluated	2 2
	5% of (G.2+H2+12)			Value Added Tax - As Evaluated	J.2
	5% of (G.1+H1+I1)			Value Added Tax - As Submitted	J.1
$\overline{}$	10%/8% of G.1			Contractor's Profit - As Evaluated	I.2
	10%/8% of G.1			Contractor's Profit - As Submitted	1.1
	12%/9%/7%/6% of G.1		luated	Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated	H.2
	12%/9%/7%/6% of G.1		mitted	Overhead, Contingencies & Miscellaneous (OCM) - As Submitted	H.I
				Direct Unit Cost (E.1+F.1) - As Submitted	G.1
$\overline{}$				Sub-Total for F-2 As Evaluated	
					F.2
				Equipment	
				Sub-Total for F-1 As Submitted	
	322,909.69	14	lumpsum	Materials a. Office Equipment/Facilities & Supplies	Ξ.
	Unit Cost	Quantity	Unit	Name and Specification	
				Direct Unit Cost (C.2 +D.2) - As Evaluated	E.2
1 1				Direct Unit Cost (C.1 +D.1) - As Submitted	E.1
				Output per Hour - As Evaluated	D.2
				Output per Hour - As Submitted	1 2
				Total (A.1+B.1) - As Submitted	0.1
1 1				Sub-Total for B-2 As Evaluated	
					Б.2
					J
				Equipment	
				Sub-Total for B-1 As Submitted	
1 1					0.1
				Equipment	9
	Hourly Rate	No. of Hour/s	No. of Units	Name and Capacity	
1 1				Sub-Total for A-2 As Evaluated	
					A.2
					<u>-</u> د
				Labor	
				Sub-Total for A-1 As Submitted	
- 1				Labor	<u>></u>
1	Hourly Rate	No. of Hour/s	No. of Person/s	Designation	

Prepared by:

JERAKD R. BARRERA Engineer II

Checked/Reviewed

Road Widening - Primary Roa

Vipolog - Punta - Dansullan - Sergio Osmeña Zar Zamboanga del Norte

FORM-POW-2015-01D-00

nga del Norte/Sur Boundary

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

Unit of Measurement
Output per hour-As Submitted
Output per hour-As Evaluated

1.00 ls 1.00

	(TOWN OTHER DOOR TO ENGINEERO	i
414,1/3./4	(G.1+H1+11+J1)			Total Unit Cost - As Submitted	S
, , , , , , , , , , , , , , , , , , , ,	5% of (G.2+H2+I2)			Value Added Tax - As Evaluated	J.2
19,722.56	5% of (G.1+H1+I1)			Value Added Tax - As Submitted	J.1
	10%/8% of G.1			Contractor's Profit - As Evaluated	I.2
ì	10%/8% of G.1			Contractor's Profit - As Submitted	I.1
	12%/9%/7%/6% of G.1		luated	Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated	H.2
·	12%/9%/7%/6% of G.1		mitted	Overhead, Contingencies & Miscellaneous (OCM) - As Submitted	H.1
4				Direct Unit Cost (E.2+F.2) - As Evaluated	G.2
394,451.18				Direct Unit Cost (E.1+F.1) - As Submitted	G.1
£				Sub-Total for F-2 As Evaluated	
					F.2
				Equipment	
341,000.00				Sub-Total for F-1 As Submitted	
100,000.00	T00,000.00	T.00	Ū	u. spareparts etc.	
100,000,00	10,000.00	1,00	pus	d Comparts of	
30,000.00	30,000.00	1.00	IS	b. Engine Oil & Lubricants	F.1
171,000.00	50,00	3,420.00	ltrs	a. Diesel Fuel	
				Materials	
Amount (Php.)	Unit Cost	Quantity	Unit	Name and Specification	
				Direct Unit Cost (C.2 +D.2) - As Evaluated	
53,451.18				Direct Unit Cost (C.1 +D.1) - As Submitted	E.1
1				Output per Hour - As Evaluated	
1.00				Output per Hour - As Submitted	
				Total (A.2+B.2) - As Evaluated	
53,451.18				Total (A.1+B.1) - As Submitted	C.1
-				Sub-Total for B-2 As Evaluated	
					В.2
				Edmbriede	
				To linmont	I
				Sub-Total for B-1 As Submitted	
					В.1
				Equipment	-
Amount (Php.)	Hourly Rate	No. of Hour/s	No. of Units	Name and Capacity	
1				Sub-Total for A-2 As Evaluated	
					i
					A.2
				Labor	
53,451.18				Sub-Total for A-1 As Submitted	
				41. 441.1144 51.1141	
53.451.18	58.61	912	-	a. Service Driver	Α
Amount (Php.)	Hourly Rate	No. of Hour/s	No. of Person/s	Designation	

Prepared by:

JERALD R. BARRERA Engineer II

Checked/Reviewed

Road Widening - Primary Roa Zamboanga del Norte DETAILED UNIT PRICE ANALYSIS ınga del Norte/Sur Boundary

FORM-POW-2015-01D-00

Item No./Description .. Construction Survey and Staking

Unit of Measurement
Output per hour-As Submitted
Output per hour-As Evaluated 4.82 km 1.00

	(G.Z+HZ+IZ+JI)			Total Unit Cost - As Evaluated	K.2
	(G.1+H1+I1+J1)			Total Unit Cost - As Submitted	┺
	5% of (G.2+H2+I2)			Value Added Tax - As Evaluated	J.2
	5% of (G.1+H1+I1)			Value Added Tax - As Submitted	J.1
	10%/8% of G.1			Contractor's Profit - As Evaluated	
	10%/8% of G.1			Contractor's Profit - As Submitted	I.1
	12%/9%/7%/6% of G.1		luated	Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated	H.2
	12%/9%/7%/6% of G.1		mitted	Overhead, Contingencies & Miscellaneous (OCM) - As Submitted	
				Direct Unit Cost (E.2+F.2) - As Evaluated	
				Direct Unit Cost (E.1+F.1) - As Submitted	G.1
				Sub-Total for F-2 As Evaluated	
					F.2
				Materials	
				Sub-Total for F-1 As Submitted	
	40.00	1/3	pcs	D. Blue Printing Miscellaneous (5% of Materials)	
	200.00	40	pcs	a. Standard Stake Plan	FI
				Materials	
Amount (Php.)	Unit Cost	Quantity	Unit	Name and Specification	
				Direct Unit Cost (C.2 ÷D.2) - As Evaluated	E.2
29,144.15				Direct Unit Cost (C.1 ÷D.1) - As Submitted	
				Output per Hour - As Evaluated	
				Output per Hour - As Submitted	
				Total (A.2+B.2) - As Evaluated	_
				Total (A.1+B.1) - As Submitted	
				Sub-Total for B-2 As Evaluated	
					В.2
				Equipment	
				Sub-Total for B-1 As Submitted	
	100.00	27	1	a. Total Station with complete accessories	B.1
Amount (Php.)	Hourly Rate	No. of Hour/s	No. of Units	Name and Capacity	
				Sub-Total for A-2 As Evaluated	
					A
				Labor	_
26,444.15				Sub-Total for A-1 As Submitted	
	58.61	80	2	b, Skilled Laborer	-
6,476.10	80.95	80	1	a. Geodetic Engineer	01
				(For Office Works)	
	45.16	27	ω	c, Laborer	
	58.61	27	ω	b. Skilled Laborer	A.1
	80.95	27	1	a. Geodetic Engineer	or I
				(For Field Works)	<u> </u>
				Labor	=1
Amount (Php.)	Hourly Rate	No. of Hour/s	No. of Person/s	Designation	
		The second secon			

Prepared by:

Engineer II tweet.

Checked/Reviewed

ISIDRA A. ESTANISLAO Engineer IV the min

Road Widening - Primary Roa

Dipolog - Punta - Dansullan - Sergio Osmeña Za Zamboanga del Norte DETAILED UNIT PRICE ANALYSIS

ınga del Norte/Sur Boundary

FORM-POW-2015-01D-00

Item No./Description Project Billboard

Unit of Measurement
Output per hour-As Submitted
Output per hour-As Evaluated 4.00 unit 1.00

	(Lottel Ollic Coat Na Phaliateca	7.7
3,566.44	(G.1+H1+I1+J1)			Total Unit Cost - As Submitted	5 6
	5% of (G.2+H2+I2)			Value Added Tax - As Evaluated	J.2
169.83	5% of (G.1+H1+I1)			Value Added Tax - As Submitted	J.1
	10%/8% of G.1			Contractor's Profit - As Evaluated	I.2
230.28	10%/8% of G.1			Contractor's Profit - As Submitted	I.1
	12%/9%/7%/6% of G.1		luated	Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated	Н.2
287.85	12%/9%/7%/6% of G.1		mitted	Overhead, Contingencies & Miscellaneous (OCM) - As Submitted	H.1
1				Direct Unit Cost (E.2+F.2) - As Evaluated	G.2
2,878.48				Direct Unit Cost (E.1+F.1) - As Submitted	G.1
				Sub-Total for F-2 As Evaluated	
					F.2
					1
				Materials	
2,590.00				Sub-Total for F-1 As Submitted	
76.00	76,00	1.00	kg	d. Assorted Sizes CWN Nails	
1,000.00	20.00	50.00	bd.ft	c. Assorted Lumber Sizes	
800,00	800.00	1.00	pcs	b. Tarpauling (4" x 8")	7.1
790.00	790.00	1.00	pcs	Materials a. Marine Plywood, 3/6" thk × 4' × 8'	
Amount (Php.)	Unit Cost	Quantity	Unit	Name and Specification	
				Direct Olit cost (ciz : Diz) La Fadinatera	1:7
-007				Direct Unit Cost (C.1 ÷D.1) - As Submitted	2 1
3V 88C				Output per Hour - As Evaluated	
1.00				Output per Hour - As Submitted	
				Total (A.2+B.2) - As Evaluated	C.2
288.48				Total (A.1+B.1) - As Submitted	C.1
				Sub-Total for B-2 As Evaluated	
					В.2
				Equipment	
				Sub-Total for B-1 As Submitted	
					В.1
				Equipment	
Amount (Php.)	Hourly Rate	No. of Hour/s	No. of Units	Name and Capacity	
				Sub-Total for A-2 As Evaluated	
					A.2
					,
				Labor	_
288,48				Sub-Total for A-1 As Submitted	
90.31	45.16		2	c. Laborer	1.0
117.22	58.61	1	2	b. Skilled Laborer	A.1
80.95	80.95	1	1	a. Construction Foreman	ra. 1
				Labor	
Amount (Php.)	Hourly Rate	No. of Hour/s	No. of Person/s	Designation	

Prepared by: JERALD R. BARRERA Engineer II Malesto

Checked/Reviewed

Road Widening - Primary Roa Dipolog - Punta - Dansullan - Sergio Osmeña Za nga del Norte/Sur Boundary Zamboanga del Norte DETAILED UNIT PRICE ANALYSIS

FORM-POW-2015-01D-00

Item No./Description • • Occupational Safety & Health Program

Unit of Measurement
Output per hour-As Submitted
Output per hour-As Evaluated 1.00 ls 1.00

	(G.2+H2+I2+J1)			Total Unit Cost - As Evaluated	
	5% of (G.2+H2+12)			Value Added Tax - As Evaluated	J.2
	5% of (G.1+H1+I1)			Value Added Tax - As Submitted	
	10%/8% of G.1			Contractor's Profit - As Evaluated	I.2
	10%/8% of G.1			Contractor's Profit - As Submitted	
	12%/9%/7%/6% of G.1		luated	Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated	
	12%/9%/7%/6% of G.1		mitted	Overhead, Contingencies & Miscellaneous (OCM) - As Submitted	
				Direct Unit Cost (E.2+F.2) - As Evaluated	G.2
				Sub-Total for F-2 As Evaluated	
					i
					Π
				Materials	\perp
				Sub-Total for E-1 As Submitted	
	100.00	24.00	pcs	C. Rain Coats (Rain Forced, Hip Length Small, Medium & Large)	
	15.00	24.00	pair	b. Pairs, Working Gloves (Maong Materials)	7.1
	400,00	24.00	pair	Materials a. Pairs, Rubber Boots Men, Long with Steel Toe, Black	
Amount (Php.)	Unit Cost	Quantity	Unit	Name and Specification	
				Direct Unit Cost (C.2 +D.2) - As Evaluated	
172,138.29				Direct Unit Cost (C.1 ÷D.1) - As Submitted	
				Output per Hour - As Evaluated	
				Output per Hour - As Submitted	
				Total (A.2+B.2) - As Evaluated	C.2
172,138.29				Total (A.1+B.1) - As Submitted	
				Sub-Total for B-2 As Evaluated	
					В.2
				Equipment	
				Sub-Total for b-1 As Subifficed	
				Sub-Total for R-1 As Submitted	
					В.1
				Equipment	-
Amount (Php.)	Hourly Rate	No. of Hour/s	No. of Units	Name and Capacity	
				Sub-Total for A-2 As Evaluated	101
					A.2
				Labor	I=
172,138.29				Sub-Total for A-1 As Submitted	(0)
135,224.52	74.14	912	2	b. First Aider	A.1
	80.95	456	Д.	a. Safety Practitioner	
				Labor	- I -
, amount (i iodi I ixaco	100. 01.1001/0	ito. or i crocily o	- Configuration	_
Amount (Php.)	Hourly Rate	No. of Hour/s	No. of Person/s	Designation	

Prepared by:

JERALD R. BARRERA
Engineer II

Checked/Reviewed

Road Widening - Primary Roa

Dipolog - Punta - Dansullan - Sergio Osmeña Zan Zamboanga del Norte DETAILED UNIT PRICE ANALYSIS

FORM-POW-2015-01D-00

nga del Norte/Sur Boundary

Item No./Description • • Mobilization & Demobilization

Unit of Measurement
Output per hour-As Submitted
Output per hour-As Evaluated 1.00 ls 1.00

Unit Quantity
56
No. of Units No. of Hour/s
+
No. of Person/s No. of Hour/s

Prepared by:

JERALD R. BARRERA Engineer II Lines

Checked/Reviewed

Road Widening - Primary Roa Dipolog - Punta - Dansullan - Sergio Osmeña Zaz Zamboanga del Norte DETAILED UNIT PRICE ANALYSIS

nga del Norte/Sur Boundary

FORM-POW-2015-01D-00

Item No./Description 50 Removal of Existing Headwall

Unit of Measurement
Output per hour-As Submitted
Output per hour-As Evaluated 24.00 each 10.00 cu.m 25.92

1
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated
SIE
II.
1
н
1
No. of Units
2
4
No. of Person/s

Prepared by:

Engineer II

philas

Checked/Reviewed

Road Widening - Primary Roa Zamboanga del Norte DETAILED UNIT PRICE ANALYSIS inga del Norte/Sur Boundary

FORM-POW-2015-01D-00

Item No./Description . . Surplus Common Excavation

Unit of Measurement
Output per hour-As Submitted
Output per hour-As Evaluated 84,509.00 cu.m 60.00

Note: Use Two (2) gang

1	(G.2+H2+I2+J1)			Total Unit Cost - As Evaluated
(G.1+H1+H1+H1)	- 1			Total I Init Cost - As Evaluated
5% of (G.1+H1+I1)	1			Value Added Tay - As Submitted
10%/8% of G.1				Contractor's Profit - As Evaluated
10%/8% of G.1				Contractor's Profit - As Submitted
12%/9%/7%/6% of G.1			luated	Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated
170%/00%/70%/60% of C 1			millod	Direct Unit Cost (E.2+F.2) - As Evaluated
				Direct Unit Cost (E.1+F.1) - As Submitted
				Sub-Total for F-2 As Evaluated
				Materials
				O. F. Take 6 7 4 A. O. L 11
				Materials
Unit Cost		Quantity	Unit	Name and Specification
				Direct Unit Cost (C.2 ÷D.2) - As Evaluated
				Direct Unit Cost (C.1 ÷D.1) - As Submitted
				Output per Hour - As Evaluated
				Output per Hour - As Submitted
				Total (A.2+B.2) - As Evaluated
				Total (A 1+R 1) - As Submitted
				D. H. H. L. C. D. D. D. L. L. L. L.
				Edulprione
				Equipment
1,420.00		T.00	4	Sub-Total for R-1 As Submitted
1,/33.00		0.25	2	C. Payloader
1,/33.00		1.00	2 ~	D. Payloader
3,379.00		1.00	2	a. Bulldozer
	1 1			Equipment
/s Hourly Rate	S	No. of Hour/s	No. of Units	Name and Capacity
				Sub-Total for A-2 As Evaluated
				Labor
				Sub-Total for A-1 As Submitted
	П			
45.16		1.00	4	b. Laborer
80.95		1.00	ı	a. Construction Foreman
				Labor
/s Hourly Rate	s/	No. of Hour/s	No. of Person/s	Designation

Prepared by:

Engineer II Lound

Checked/Reviewed

Road Widening - Primary Roads - ان - Punta - Dansullan - Sergio Osmeña Zam ماوار - Aga del Norte/Sur Boundary Zamboanga del Norte DETAILED UNIT PRICE ANALYSIS

FORM-POW-2015-01D-00

Item No./Description .. Foundation Fill

Unit of Measurement
Output per hour-As Submitted
Output per hour-As Evaluated 38.50 cu.m 1.25

		J.2	J.1	I.2		H.2		G.2			·	Б ,	1=		 F.1	T=1		E.2						, a I	В.2 -	1-	(0)	 <u> </u>	B.1	1110000		(0)	A.2	T=	16	_	 A.1	o, I	1-	
Total Unit Cost - As Evaluated	Total Unit Cost - As Submitted	Value Added Tax - As Evaluated	Value Added Tax - As Submitted	Contractor's Profit - As Evaluated	Contractor's Profit - As Submitted	Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated	Overhead, Contingencies & Miscellaneous (OCM) - As Submitted	Direct Unit Cost (E.2+F.2) - As Evaluated	Direct Unit Cost (E.1+F.1) - As Submitted	Sub-Total for F-2 As Evaluated			Materials	Sub-Total for F-1 As Submitted	a. Hilling Materials	Materials	Name and Specification	Direct Unit Cost (C.2 ÷D.2) - As Evaluated	Direct Unit Cost (C.1 ÷D.1) - As Submitted	Output per Hour - As Evaluated	Output per Hour - As Submitted	Total (A.2+B.2) - As Evaluated	Total (A.1+B.1) - As Submitted	Sub-Total for B-2 As Evaluated		Equipment	Sub-Total for B-1 As Submitted	 c. Minor Tools (10% of Labor)	b. Water Truck/Pump	Equipment a Plate Compactor	Name and Capacity	Sub-Total for A-2 As Evaluated		Labor	Sub-Total for A-1 As Submitted		b. Laborer	a. Construction Foreman	Labor	Designation
						luated	mitted								cu.iii		Unit												r) r	•	No. of Units						4	1		No. of Person/s
															1.13	;	Quantity	7											0.01	100	No. of Hour/s						1.00	1.00		No. of Hour/s
(G.2+H2+I2+J1)	(G.1+H1+I1+J1)	5% of (G.2+H2+I2)	5% of (G.1+H1+I1)	10%/8% of G.1	10%/8% of G.1	12%/9%/7%/6% of G.1	12%/9%/7%/6% of G.1								1,309.10	1 200	Unit Cost												2,450.00	123 00	Hourly Rate						45.16	80.95		Hourly Rate
	2,296.67	-	109.37	ı	148.29		185.37	ľ.	1,853.65					1,505.47	1,505.47	4 FOF 45	Amount (Php.)		348.19	1	1.25		435.23				173.66	26.16	24.50	123.00	Amount (Php.)				261.58		180.63	80.95		Amount (Php.)

Prepared by:

JERAKO R. BARRERA Engineer II Jacoby.

Checked/Reviewed

Road Widening - Primary Roads - عنوان و Punta - Dansullan - Sergio Osmeña Zambanga del Norte/Sur Boundary Zamboanga del Norte DETAILED UNIT PRICE ANALYSIS

FORM-POW-2015-01D-00

Item No./Description Pipe Culverts and Drain Excavation

Unit of Measurement
Output per hour-As Submitted
Output per hour-As Evaluated

43.00 cu.m 20.00

			I.1 Contra				G.1 Direct	Sub-Ti	F.2	- Indical	Materials	Sih-Ti	1	<u>-</u>	Materials				D.2 Output			C.1 Total (В.2	Equipment	Sub-To	C. MILI		B.1 a. Dun	Equipment		Sub-To	A.2	Labor	Sub-Tc		A.1 b. Laborer	a. Const	Labor		
Value Added Tax - As Evaluated Total Unit Cost - As Submitted Total Unit Cost - As Evaluated	Value Added Tax - As Submitted	Contractor's Profit - As Evaluated	Contractor's Profit - As Submitted	Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated	Overhead, Contingencies & Miscellaneous (OCM) - As Submitted	Direct Unit Cost (E.2+F.2) - As Evaluated	Direct Unit Cost (E.1+F.1) - As Submitted	Sub-Total for F-2 As Evaluated		ais	ale	Sub-Total for F-1 As Submitted			als	Name and Specification	Direct Unit Cost (C.2 ÷D.2) - As Evaluated	Direct Unit Cost (C.1 +D.1) - As Submitted	Output per Hour - As Evaluated	Output per Hour - As Submitted	Total (A.2+B.2) - As Evaluated	Total (A.1+B.1) - As Submitted	Sub-Total for R-2 As Evaluated		nent	Sub-Total for B-1 As Submitted	C. Millor Tools (10% of Edbor)	khoe	a. Dumptruck	nent	Name and Capacity	Sub-Total for A-2 As Evaluated			Sub-Total for A-1 As Submitted		rer	a. Construction Foreman		Designation	
				luated	omitted											Unit												-	2		No. of Units						3	1		No. of Person/s	
																Quantity												1.00	1.00		No. of Hour/s						1.00	1.00		No. of Hour/s	
5% of (G.2+H2+I2) (G.1+H1+I1+J1) (G.2+H2+I2+J1)	5% of (G.1+H1+I1)	10%/8% of G.1	10%/8% of G.1	12%/9%/7%/6% of G.1	12%/9%/7%/6% of G.1											Unit Cost												1,537.00	1,420.00		Hourly Rate						45.16	80.95		Hourly kate	
) 285.90) 13,61		18,46		1 23,08	1	230,75	3						1		Amount (Php.)	t	230.75		20.00	ř.	4,615.06				4,398.64	10:17	21,537.00	2,840.00		Amount (Php.)				216,42		135.47	80.95		Allibulit (Pilp.)	Amount (Phy)

Prepared by:

JERALO R. BARRENA Engineer II

Checked/Reviewed

Road Widening - Primary Roads - Dipolog - Punta - Dansullan - Sergio Osmeña Zambuanga del Norte/Sur Boundary Zamboanga del Norte DETAILED UNIT PRICE ANALYSIS

FORM-POW-2015-01D-00

Item No./Description 505 **Embankment from Roadway Excavation**

Unit of Measurement
Output per hour-As Submitted
Output per hour-As Evaluated

8,931.50 cu.m 50.00

Note: Use Two (2) gang

<u>~</u> <u>~</u>	J.2	J.1	I.2	I.1	H.2	H.1	G.2	G.1		F.2				F.1		E.2	E.1	D.2	D.1	CIF	2		В.2						2711	B.1						A.2							A.1				
Total Unit Cost - As Submitted Total Unit Cost - As Evaluated	Value Added Tax - As Evaluated	Value Added Tax - As Submitted	Contractor's Profit - As Evaluated	Contractor's Profit - As Submitted	Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated	Overhead, Contingencies & Miscellaneous (OCM) - As Submitted	Direct Unit Cost (E.2+F.2) - As Evaluated	Direct Unit Cost (E.1+F.1) - As Submitted	Sub-Total for F-2 As Evaluated		Materials	Sub-Total for F-1 As Submitted		Materials	Name and Specification	Direct Unit Cost (C.2 ÷D.2) - As Evaluated	Direct Unit Cost (C.1 ÷D.1) - As Submitted	Output per Hour - As Evaluated	Output per Hour - As Submitted	Total (A 2+B 2) - As Evaluated	Total (A 1+B 1) - As Submitted	Sub-Total for B-2 As Evaluated		Equipment	Sub-Total for B-1 As Submitted	c. Water Truck/Pump	b. Vibratory Roller	a. Motorized Road Grader	Spreading and Compaction	c. Dumptruck	b. Payloader	a. Bullduzer	Equipment For Excavation Work	Name and Capacity	Sub-Total for A-2 As Evaluated			Labor	Sub-Total for A-1 As Submitted	p, Laborer	a, Culstruction Forellan	Spreading and Compaction	b, Laborer	a. Construction Foreman	For Excavation Work	Labor	Designation
					aluated	bmitted									Unit											2	2	2		4	2	2		No. of Units						-1	2 -	-	4	1			No. of Person/s
															Quantity											0.25	1.00	1.00		0.83	0.83	0.83		No. of Hour/s						1.00	1.00	100	0.83	0.83			No. of Hour/s
(G.1+H1+I1+J1) (G.2+H2+I2+J1)	5% of (G.2+H2+I2)	5% of (G.1+H1+I1)	10%/8% of G.1	10%/8% of G.1	12%/9%/7%/6% of G.1	12%/9%/7%/6% of G.1									Unit Cost											2,450.00	1,846.00	2,173.00		1,420.00	1,733.00	3,379.00		Hourly Rate	30					TJ.IO	AE 16	80.05	45.16	80.95			Hourly Rate
) 568.50		27.07		36./1		45,88		458,84				1	1	1	Amount (Php.)	1	458.84	1	50.00	1	22,942.00				22,463.32	1,225.00	3,692.00	4,346.00		4,714.40	2,876.78	5,609.14		Amount (Php.)			-		478.68	T00:00	180 63	80 95	149.92	67.19			Amount (Php.)

Prepared by:

JERALD R. BARRERA Engineer II

Checked/Reviewed

FORM-POW-2015-01D-00

Subgrade Preparation

Item No./Description 51,647.00 sq.m 300.00

Unit of Measurement
Output per hour-As Submitted
Output per hour-As Evaluated

(G.2+H2+I2+J1)	(G.2-			Total Unit Cost - As Evaluated
(G.1+H1+T1+T1)				Value Added Tax - As Evaluated
5% of (6.1+H1+11)		1		Value Added Tax - As Submitted
10%/8% of G.1		1 1		Contractor's Profit - As Evaluated
10%/8% of G.1		- 1		Contractor's Profit - As Submitted
12%/9%/7%/6% of G.1			iluated	Overhead, Contingencies & Miscellaneous (OCM) - As Submitted Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated
		1		Direct Unit Cost (E.2+F.2) - As Evaluated
		1 1		Direct Unit Cost (E.1+F.1) - As Submitted
		-		Sub-Total for F-2 As Evaluated
		+		
		+		Materials
		\Box		Sub-Total for F-1 As Submitted
		_		Materials
Quantity Unit Cost	Quantity		Unit	Name and Specification
		1		Direct Unit Cost (C.2 ÷D.2) - As Evaluated
Ī		l t		Direct Unit Cost (C.1 ÷D.1) - As Submitted
		\top		Output per Hour - As Subliniced
		\top		Output per Hour As Submitted
		1		Total (A 2+R 2) - As Evaluated
		1		Sub-lotal for 6-2 As Evaluated
				Equipment
				Sub-Total for B-1 As Submitted
		T		
0.25 2,450.00	0.25		1	c. Water Truck/Pump
1.00 1,846.00	1.00		р-	b. Vibratory Roller
	1.00		1	a. Motorized Road Grader
				Equipment
No. of Hour/s Hourly Rate	lo. of Hour/s	-	No. of Units	Name and Capacity
				Sub-Total for A-2 As Evaluated
		T		Labor
		TT		Sub-Total for A-1 As Submitted
		TT		
1.00 45.16	1.00		2	b. Laborer
1.00 80.95	1.00		1	a. Construction Foreman
				Labor
No. of Hour/s Hourly Rate	o, of Hour/s	z	No. of Person/s	Designation

Prepared by:

JERALD R. BARRERA Engineer II

Checked/Reviewed

Road Widening - Primary Road polog - Punta - Dansullan - Sergio Osmeña Zam ga del Norte/Sur Boundary Zamboanga del Norte DETAILED UNIT PRICE ANALYSIS

FORM-POW-2015-01D-00

Item No./Description Aggregate Subbase Course

Unit of Measurement
Output per hour-As Submitted
Output per hour-As Evaluated ** ** **

18,870.00 cu.m 50.00

G.1 Direct Unit Cost (E.1+F.1) - As Si G.2 Direct Unit Cost (E.2+F.2) - As E H.1 Overhead, Contingencies & Misce H.2 Overhead, Contingencies & Misce I.1 Contractor's Profit - As Submitted I.1 Contractor's Drofit - As Evaluated
Direct Unit Cost (E.1+F.1) - As Submitted Direct Unit Cost (E.2+F.2) - As Evaluated Overhead, Contingencies & Miscellaneous (OCM) - As Submitted Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated Contractor's Profit - As Submitted
(E.1+F.1) - As Submitted (E.2+F.2) - As Evaluated ingencies & Miscellaneous ingencies & Miscellaneous
- As Submitted - As Evaluated

Prepared by:

JERALD R. BARRERA
Engineer II

Checked/Reviewed

JATUM

ISIDRA A. ESTANISLAO

Engineer IV

Road Widening - Primary Road polog - Punta - Dansullan - Sergio Osmeña Zam Zamboanga del Norte DETAILED UNIT PRICE ANALYSIS

ıga del Norte/Sur Boundary

FORM-POW-2015-01D-00

Item No./Description Gravel Surface Course

Unit of Measurement
Output per hour-As Submitted
Output per hour-As Evaluated

2,384.00 cu.m 50.00

	(TCT2177171)			Total Unit Cost - As Evaluated	K.2
2,102,39	(6.1+H1+H1+J1)			Total Unit Cost - As Submitted	<u></u>
	5% of (G.2+H2+I2)			Value Added Tax - As Evaluated	J.2
102.97	5% of (G.1+H1+I1)			Value Added Tax - As Submitted	J.1
	10%/8% of G.1			Contractor's Profit - As Evaluated	1.2
139.62	10%/8% of G.1			Contractor's Profit - As Submitted	I.1
	12%/9%/7%/6% of G.1		aluated	Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated	H.2
174.53	12%/9%/7%/6% of G.1		bmitted		H.1
1				Direct Unit Cost (E.2+F.2) - As Evaluated	G.2
1,745.27				Direct Unit Cost (E.1+F.1) - As Submitted	G.1
				Sub-Total for F-2 As Evaluated	
					F.2
				Materials	
1,045,22				Sub-lotal for F-1 As Submitted	Ī
1 649 22				C.h Tatal for E 4 As Culturalities	
1,649.22	1,434.10	1.15	cu.m	Materials a. Uncrushed Aggregate Surface Course	F.1
Amount (Php.)	Unit Cost	Quantity	Unit	Name and Specification	
ı				Direct Unit Cost (C.2 ÷D.2) - As Evaluated	E.2
96.06				Direct Unit Cost (C.1 +D.1) - As Submitted	E.1
-				Output per Hour - As Evaluated	D.2
50.00				Output per Hour - As Submitted	D.1
ı				Total (A.2+B.2) - As Evaluated	C.2
4,802.76				Total (A.1+B.1) - As Submitted	C.1
				Sub-Total for B-2 As Evaluated	
					В.2
				Equipment	
4,631.50				Sub-Total for B-1 As Submitted	
				and the second second	
612.50	2,450.00	0.25	1	c. Water Truck/Pump	B.1
1,846.00	1,846.00	1.00	1	b. Vibratory Roller	
2,173.00	2,173.00	1.00	1	a. Motorized Road Grader	
				Equipment	
Amount (Php.)	Hourly Rate	No. of Hour/s	No. of Units	Name and Capacity	
				Sub-Total for A-2 As Evaluated	
1					A.2
t				Laudi	
				lahor	
171.26				Sub-Total for A-1 As Submitted	
.1.					
90.31	45.16	1.00	2	b. Laborer	A.1
80.95	80.95	1.00	1	a. Construction Foreman	
				Labor	
Amount (Php.)	Hourly Rate	No. of Hour/s	No. of Person/s	Designation	

Prepared by:

JERALD R. BARRERA Engineer II

Checked/Reviewed

Road Widening - Primary Road

polog - Punta - Dansullan - Sergio Osmeña Zam Zamboanga del Norte DETAILED UNIT PRICE ANALYSIS

ıga del Norte/Sur Boundary

FORM-POW-2015-01D-00

Item No./Description .. Portland Cement Concrete Pavement

Unit of Measurement
Output per hour-As Submitted
Output per hour-As Evaluated 32,273.50 sq.m 57.50

..

	F.2	1	 								<u></u>			·			E.2	E.1	D.2	<u>.</u>	C.			В.2								Ŭ, L	5								A.2			 		A.1		 	
Sub-Total for F-2 As Evaluated			Materials	Sub-Total for F-1 As Submitted	j. Grease/Tar	1. Pipe Sleeve	h. Concrete Saw	g. Cement	f, Gravel	e. Sand	d. Steel Forms	c. Asphalt Sea;ant	b. Curing Compound	a. Reinforcing Steel Bar	Materials	Name and Specification	Direct Unit Cost (C.2 +D.2) - As Evaluated	Direct Unit Cost (C.1 +D.1) - As Submitted	Output per Hour - As Evaluated	Output per Hour - As Submitted	Total (A.2+B.2) - As Evaluated	Total (A.1+B.1) - As Submitted	Sub-Total for B-2 As Evaluated		Equipment	Sub-rough for D-1 As Subilificed	The state of the s		Minor Tools (5% of Labor Cost)	h. Bar Cutter	g. Concrete Saw	f. Water Truck	e. Concrete Screeder	d. Payloader	c. Concrete Batch Plant	b. Concrete Vibrator	a. Transit Mixer	ı	Name and Capacity	Sub-Total for A-2 As Evaluated		Labor	Sub-Total for A-1 As Submitted		c. raborer	b. Skiled Laborer	a. Construction Foreman	l ahor	Designation
					lt lt	Э	pc	bag	cu.m	cu.m	a	4	-	kg		Unit														1		L	1	1	1	2	4		No. of Units						71	4	1		No. of Person/s
					0.008	0.008	0.000	2.660	0.280	0.154	0.460	0.170	0.290	0.500		Quantity														0.10	1.00	1.00	1.00	1.00	1.00	1.00	1.00		No. of Hour/s						T.00	1.90	1.00		No. of Hour/s
					21.00	133.00	8,000.00	294.51	1,359.10	1,4/5.10	40.00	/5.00	40.00	43.00		Unit Cost														219.75	32,63	2,450.00	545.00	1,733.00	1,759.50	91.25	1,318.00		Hourly Rate						75.10	72 12 78 17	80.95		Hourly Rate
1				1,457.77	0.16	1,04	1.20	/83.40	380.55	727.17	227 17	10.70	72.25	11.50	34 70	Amount (Php.)		224.29	1	57.50	2	12,896.73				14,000.11	12 039 47		42.86	21.98	32.63	2,450.00	545.00	1,733.00	1,759.50	182.50	5,272.00		Amount (Php.)			4	857.26			541.88	80.95		Amount (Php.)

	(G.2+H2+I2+J1)	K.2 Total Unit Cost - As Evaluated	$\overline{\Sigma}$
2,084.07	(G.1+H1+I1+J1)	K.1 Total Unit Cost - As Submitted	×.
	5% of (G.2+H2+I2)	J.2 Value Added Tax - As Evaluated	J.2
99,24	5% of (G.1+H1+I1)	J.1 Value Added Tax - As Submitted	J.1
į	10%/8% of G.1	I.2 Contractor's Profit - As Evaluated	1.2
134.56	10%/8% of G.1	I.1 Contractor's Profit - As Submitted	I 1
1	12%/9%/7%/6% of G.1	H.2 Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated	H
168.21	12%/9%/7%/6% of G.1	H.1 Overhead, Contingencies & Miscellaneous (OCM) - As Submitted	Ξ.
		G.2 Direct Unit Cost (E.2+F.2) - As Evaluated	G.2
1,682.06	Sala Sala Sala Sala Sala Sala Sala Sala	G.1 Direct Unit Cost (E.1+F.1) - As Submitt	<u>G</u> .

Prepared by:

JERALO R. BARRERA Engineer II

Checked/Reviewed

Road Widening - Primary Road ipolog - Punta - Dansullan - Sergio Osmeña Zam Zamboanga del Norte DETAILED UNIT PRICE ANALYSIS ıga del Norte/Sur Boundary

FORM-POW-2015-01D-00

Item No./Description : Pipe Culvert & Storm Drain

198	Output per hour-As Evaluated	Output per hour-As Submitted	Unit of Measurement
		••	•••
		1.00	114.00 ln.m

irect Uni verhead,	F.2 Sub-Total G.1 Direct Unit
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted	Sub-Total for F-2 As Evaluated Direct Unit Cost (E.1+F.1) - As Submitted Direct Unit Cost (E.2+F.2) - As Evaluated
AS Submitted	
12%/9%/7%/6% of G.1	
6.1	3,244.94

Prepared by:

JERALD R. BARRERA Engineer II

Checked/Reviewed

TSIDRA A. ESTANISLAO

Engineer IV

Road Widening - Primary Road ipolog - Punta - Dansullan - Sergio Osmeña Zam Zamboanga del Norte DETAILED UNIT PRICE ANALYSIS

ıga del Norte/Sur Boundary

FORM-POW-2015-01D-00

Item No./Description 22 Grouted Riprap, Class "A"

Unit of Measurement
Output per hour-As Submitted
Output per hour-As Evaluated 50.00 cu.m 1.25

								G.2			F.2	I	-1-			1-	F.1					_	E.1				0.1		В.2			_		1.4					A.2			 	Le	A.1			
Total Unit Cost - As Evaluated	Total Unit Cost - As Submitted	Value Added Tax - As Evaluated	Value Added Tax - As Submitted	Contractor's Profit - As Evaluated	Contractor's Profit - As Submitted	Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated	Overhead, Contingencies & Miscellaneous (OCM) - As Submitted	Direct Unit Cost (E.2+F.2) - As Evaluated	Direct Unit Cost (E.1+F.1) - As Submitted	Sub-Total for F-2 As Evaluated	riaccials	Sub-Total for F-1 As Subfillitied	Miscellaneous (1% of Materials Cost)	r. Boulder	e. Hiter Cloth	d. Weep Holes	c. Gravel Fill	b. Sand	a. Portland Cement	Materials	Name and Specification	Direct Unit Cost (C.2 ÷D.2) - As Evaluated	Direct Unit Cost (C.1 ÷D.1) - As Submitted	Output per Hour - As Evaluated	Output per Hour - As Submitted	Total (A.2+B.2) - As Evaluated	Total (A.1+B.1) - As Submitted	Sub-Total for B-2 As Evaluated		Equipment	Sub-Total for B-1 As Submitted		Minor Tools (10% of Labor Cost)	b. Water Truck/Pump	a. One Bagger Mixer	Railie aiu capacity	Name and Canacibo	Sub-Total for A-2 As Evaluated		Labor	Sub-Total for A-1 As Submitted		c. Laborer	b. Skilled Laborer	a. Construction Foreman	Labor	Designation
						luated	mitted							cu.m	sq.m	з	cu.m	cu.m	bag		Unit													1	1	NO. OI OIIIG	No of Inde						8	2	ľ		No. of Person/s
														1.05	0.02	0.30	0.02	0.21	2.50		Quantity													0.05	1.00	No. or Hour/s	No of Hours						1.00	1.00	1.00		No. of Hour/s
(G.2+H2+I2+J1)	(G 1+H1+I1+I1)	5% of (G 2+H2+T2)	5% of (G.1+H1+I1)	10%/8% of G 1	10%/8% of G 1	12%/9%/7%/6% of G.1	12%/9%/7%/6% of G.1							1,633.10	160.00	133,00	1,359.10	1,475.10	294.51		Unit Cost													2,450.00	172,00	Hourly Kate	I Daniel Date						45.16	58.61	80.95		Hourly Rate
	4 435 14	1	211.20	200,37			357.96	i	3,579.62	,		2,851./3	28.23	1,714.76	2.40	39,90	20.39	309.77	736,28		Amount (Php.)	Ť	727.89		1.25		909.86				350,44		55,94	122.50	172,00	Amount (Pnp.)	A	,			559.42		361.25	117.22	80.95		Amount (Php.)

Prepared by:

JERALD R. BARRERA
Engineer II

Checked/Reviewed

Road Widening - Primary Road

ipolog - Punta - Dansullan - Sergio Osmeña Zan Zamboanga del Norte DETAILED UNIT PRICE ANALYSIS

ıga del Norte/Sur Boundary

FORM-POW-2015-01D-00

Item No./Description Stone Masonry

110.00 cu.m

Unit of Measurement
Output per hour-As Submitted
Output per hour-As Evaluated ... 1.60

Designation No. of Person/s No. of Hour/s Hourly Rate Amount (Php.)	Designation No. of Person/s No. of Hour/s Hourly Rate Amount (Php.)						
		Amount (Php.)	Hourly Rate	No. of Hour/s	No. of Person/s	ignation	Desi

K.2		1.2	1.1		7.17	J.	7.5	G.1		F.2	l)					-	TI.				E.2	E.1	D.2	D.1	C.2	C.1		B.2		Γ		,	Į.				Γ	A.2	V V	Τ	 	7	>	 	
Total Unit Cost - As Evaluated	Total Unit Cost - As Submitted	Value Added Tay - As Evaluated	Value Added Tay - As Submitted	Contractor's Profit - As Submitted	Overnead, Contingencies & Miscellaneous (OCM) - As Evaluated	Overhead, Contingencies & Miscellaneous (OCM) - As Submitted	Direct Unit Cost (E.2+F.2) - As Evaluated	Direct Unit Cost (E.1+F.1) - As Submitted	Sub-Total for F-2 As Evaluated		Materials	Sub-Total for F-1 As Submitted	Miscellaneous (1% of Materials Cost)	f. Boulder	e. Filter Cloth	d. Ween Holes	C Gravel Fill	a. Portland Cement	Materials	Name and Specification	Direct Unit Cost (C.2 ÷D.2) - As Evaluated	Direct Unit Cost (C.1 ÷D.1) - As Submitted	Output per Hour - As Evaluated	Output per Hour - As Submitted	Total (A.2+B.2) - As Evaluated	Total (A.1+B.1) - As Submitted	Sub-Total for R-2 As Evaluated		Equipment	Sub-Total for B-1 As Submitted	Minor Tools (10% of Labor Cost)	c. Backhoe	b. Water Truck/Pump	a. One Bagger Mixer	Equipment	Name and Capacity	Sub-Total for A-2 As Evaluated		Labor	Sub-Total for A-1 As Submitted	er sensori er	C. Jahorer	a. Construction Foreman	Labor	Designation
					uated	nitted								cu.m	sa m	cu.m	Cu.m	bag		Unit												1	1	1		No. of Units					0	2	1		No. of Person/s
														1.05	0.30	0.02	0.21	2.50		Quantity												0.10	0.05	1.00		No. of Hour/s					T.00	1.00	1.00		No. of Hour/s
(G.2+H2+I2+J1)	2% 01 (b.Z+HZ+1Z)	5% of (6.1+H1+I1)	10%/8% of G.1	10%/8% of G.1	12%/9%/7%/6% of G.1	12%/9%/7%/6% of G.1							4/000/140	1,633,10	160.00	1,359.10	1,475.10	294,51		Unit Cost												1,537.00	2,450.00	172,00		Hourly Rate					45.16	58.61	80.95		Hourly Rate
7,330,00	4 3EC 00	207.47	,	281.32	t	351.65	1	3,516.45	1			2,851,73	28.23	1 714 76	39.90	20.39	309.77	736.28		Amount (Php.)		664.73	- 100	1 60	1,000,10	1 063 56				504.14	55.94	153.70	122,50	172.00		Amount (Php.)				559.42	361.25	117.22	80.95		Amount (Php.)

Prepared by:

JERAKO R. BARRERA Engineer II

Checked/Reviewed

Road Widening - Primary Road ipolog - Punta - Dansullan - Sergio Osmeña Zan Zamboanga del Norte DETAILED UNIT PRICE ANALYSIS nga del Norte/Sur Boundary

FORM-POW-2015-01D-00

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

Unit of Measurement
Output per hour-As Submitted
Output per hour-As Evaluated 1,204.00 sq.m 25.00

K.1 Total	J.2 Value	L	_		_	Ľ	_		G.2 Direct	G.1 Direct	Sub-1	7.2	Materials	Mator	Sub-T	Miscell	f. Calsumine	e. LPG		F.1 c. Primer	b. Glas	a. The	Materials						C.2 Total	C.1 Total (Sub-Ti	В.2	 Equipment	Sub-To	Minor	c. Kne	b. App		Equipment		Sub-To	A.2	Labor	l ahou	Sub-Tr	c. Laborer	A.1 b. Skille	a. Cons	Labor	
Fotal Unit Cost - As Submitted	Value Added Tax - As Evaluated	Added lax - As subilitied	Value Added Tax - As Submitted	Contractor's Profit - As Evaluated	Contractor's Profit - As Submitted	Overnead, Contingencies & Miscellaneous (OCM) - As Evaluated	bead Contingencies & Miscellaneous (OCM) - As Eva	Overhead, Contingencies & Miscellaneous (OCM) - As Submitted	Direct Unit Cost (E.2+F.2) - As Evaluated	Direct Unit Cost (E.1+F.1) - As Submitted	Sub-Total for F-2 As Evaluated	otal for F 3 As Francisco	ials	oral lot 1 1 to oranilecca	Sub-Total for F-1 As Submitted	Miscellaneous (5% of Materials Cost)	umine	e. LPG (12 kg)	d. LPG (50ka)	ler	b. Glass Beads	a. Thermoplastic Paint (white)	als	Name and Specification	Direct Unit Cost (C.2 ÷D.2) - As Evaluated	Direct Unit Cost (C.1 ÷D.1) - As Submitted	Output per Hour - As Evaluated	Output per Hour - As Submitted	Total (A.2+B.2) - As Evaluated	Total (A.1+B.1) - As Submitted	Sub-Total for B-2 As Evaluated		nent	Sub-Total for B-1 As Submitted	Minor Tools (10% of Labor Cost)	c. Kneading Machine	b. Applicator Machine	a. Cargo Truck/Delivery Truck	nent	Name and Capacity	Sub-Total for A-2 As Evaluated			Conf. 101 71 & Fry Constitution	Sub-Total for A-1 As Submitted	rer	b, Skilled Laborer	a. Construction Foreman		Designation
						Indien	liiated	mitted									6	<u>Q</u> .	cyl	₹	bag	bag		Unit												1	1	1		No. of Units						6	2	1		No. of Person/s
																	0.13	0.00	0.00	0.12	0.03	0.33		Quantity												1.00	1.00	1.00		No. of Hour/s						1.00	1.00	1.00		No. of Hour/s
(G.1+H1+I1+J1)	5% of (G.2+H2+12)	C1 C1 C1 C1 20 703	5% of (G.1+H1+I1)	10%/8% of G.1	10%/8% of G.1	TE SOLD SOLD SOLD SOLD SOLD SOLD SOLD SOLD	12%/9%/7%/6% of G.1	12%/9%/7%/6% of G.1									5.00	50.00	90.00	180.00	2,500.00	1,585.00		Unit Cost				,								187.50	93.75	1,212.00		Hourly Rate						45.16	58.61	80.95		Hourly Rate
) 906.57) 43.17		58.54			1 73.17		/31./0	101	1			651.33	31.02	0.63	0.10	0.36	21.60	82.50	515,13		Amount (Php.)		80.37	1	25.00	1	2,009.27				1,540.16	46.91	187.50	93.75	1,212.00		Amount (Php.)		in Rec	1		469.11	270.94	117.22	80.95		Amount (Php.)

Prepared by:

JERALD R. BARRERA Engineer II

Checked/Reviewed

UNIT COST ANALYSIS FOR HAULING COST FOR ALL AGGREGATES

Hauling Cost from the District Office to Site

Quantity Item No ALL AGGREGATES 1,000.00 Terrain cu.m. Flat to Rolling

Effective Working Hours Hauling Distance 5.00 8.00 km. hrs.

Hauling Using 10.00 cu.m. capacity Dumptruck

Unit Weight of Course Aggrgates Weight of Dumptruck (cap. 10.00 cu.m.)
Unit Weight of Fine Aggrgates 16,000.00 1,534.00 1,640.00 ĝ kg/cu.m. 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 핡

Speed when unloaded 40.00 핡

Loaded Running 11 5.00 30.00 60.00 Ш ಠ mins.

Unloaded Running 11 5.00 40.00 × 60.00 П 7.5 mins.

Capacity of Dumptruck Loading & Unloading |1 11 10.00 5.00 mins. cu.m.

Total Cycle Time B 22.50 mins.

No. of trips for Dumptruck per day Iš 8.00 22.50 × 60.00 11 21,33 soin

Dumptruck Daily Outpout Using 4 Dumptruck 11 11 213.33 70.00 $\times \times$ 21.33 4.00 11 11 213.33 853.33 cu.m.

No. of Days for Dumptruck 11 853.33 ,000.00 11 days

EQUIPMENT USED: (2009 ACEL RATES)4.00 - Unit Dumptruck @ P

4.00 - Unit Dumptruck 10,816.00 day \times 1.17 days Sub-Total ╼┃╼ 50,700.00 50,700.00

Unit Cost Estimated Quantity **O** O 50,700.00 1,000.00 10.14 cu.m. /cu.m/km. (unit cost hauling per cu.m. per km.)

Equipment Labor Equipment Grand Total ס ס 70 50,700.00

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

$X = 0.00 \times 10.14 = 101.40 + 10.14$		$65.00 \times 10.14 = 659.10 +$	65.00 X 10.14 = 659.10 +	65.00 X 10.14 = 659.10 +	65.00 X 10.14 = 659.10 +	tes 65.00 X 10.14 = 659.10 +	X 10.14 = 659.10 +	cu.m/km per km.	Unit Cost per Hauling Cost	
+	+	+	+	+	+	+	+		st	
500.00	340.00	974.00	775.00	650.00	650.00	700.00	816.00	0	Init Price	-,
П	H	II.	[]	I	П	II	11			
601.40	441.40	1,633.10	1,434.10	1,309.10	1,309.10	1,359.10	1,475.10	cu.m.	Unit cost per	

UNIT COST DERIVATION FOR PORTLAND CEMENT

TOTAL QUANTITY REQUIREMENTS FOR PORTLAND CEMENT

86,370.63	TOTAL
	MANAGEMENT AND AND AND AND AND AND AND AND AND AND
275.00	Stone Masonry
125.00	Grouted Riprap, Class "A"
	Reinforced Concrete Culverts Pipe, 610 mm dia
123.12	Pipe Culvert & Storm Drain
-	Lean Concrete for RCBC
-	Structural Concrete, Class A
85,847.51	Portland Cement Concrete Pavement
-	Portland Cement Concrete Pavement
Quantity (Bags)	Description

Quantity I 86,370.63 Bags

Delivery Charge IJ ᠣ 0.12 /bag/km

/0.00	PROJECT SITE
00 02	Zamboanga del Norte 3rd DEO
HAULING DISTANCE	SITE

Average Hauling Distance from source to assumed stockpilling area: say 70.00 km.

Delivery Charge Delivery Charge 11 11 ס ס 0.12 8.40 /bag 70.00

* Delivery Truck

86,370.63 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 laborers can unload

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

Loaded Running 70.00 30.00 60.00 П 140 mins.

Loading & Unloading Unloading Running 45.00 70.00 40.00 mins. 60.00 205 mins.

Capacity of Dumptruck Total Cycle Time Il 500.00 290.00 8.00 bags cu.m.

No. of trips for Dumptruck per
$$=$$
 $8.00 \times 60.00 \times 60$

Dumptruck Daily Outpout =
$$500.00 \times 1.66 = 827.59 \times 1.66 = 3.310.34 \times 1.66 \times 1$$

No. of Days for Dumptruck =
$$\frac{86,370.63}{3,310.34}$$
 = 26.09 days

No. of Days for Labor for
$$=$$
 complimentary to $=$ 26.09 days unloading D.Truck days

LABOR:

Estimated Quantity ٠. 86,370.63 Bags

Grand Total Delivery Cost Materials Unit Cost ס ס סר סד סד 25,437,168.63 725,513.29 24,615,629.55 96,025.79 294.51