

### DPWH. ONAL OFFICE IX

### PROGRAM OF WORK/BUDGET COST

Pass and Diversion Roads, Buenavista - Bolong Coastal Bypass Road (Lubigan - Mala	Net Length	: (a	a) Road	,	716.10 In.m	1.43 lane km
nuge, zamboanga City		(t	o) Bridge		90.90 In.m	
		(0	c) Others			
	Target Start Date	:				
	Total Project Duration	:		360	Calendar Days	
0, K1901+220 - K1901+335 (Approach), K1901+335 - K1901+425 (Bridge), K1901+425 - K1901+590 (Approach)	No. of Pre-determined	:		46	Calendar Days	·
	Unworkable Days	:	1901 Tens	37	Calendar Days	
			_			
	ridge, Zamboanga City	Target Start Date Total Project Duration No. of Pre-determined	(Indige, Zamboanga City  (Indige, Zamboanga Ci	(b) Bridge (c) Others  Target Start Date : Total Project Duration : (b) K1901+220 - K1901+335 (Approach), K1901+425 (Bridge), K1901+425 - K1901+590 (Approach) No. of Pre-determined :	(b) Bridge (C) Others  Target Start Date : Total Project Duration : 360 (6) KI901+220 - KI901+335 - KI901+425 (Bridge), KI901+425 - KI901+590 (Approach) No. of Pre-determined : 46	ridge, Zamboanga City  (b) Bridge (c) Others  Target Start Date : Total Project Duration : 360 Calendar Days i0, K1901+220 - K1901+335 (Approach), K1901+335 - K1901+425 (Bridge), K1901+425 - K1901+590 (Approach) No. of Pre-determined : 46 Calendar Days

DESCRIPTION OF WORKS TO BE DONE	OHANTITY	LIMITT		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			1.24%	1,105,657.57		
B: Other General Requirements			1.44%	1,284,006.55		
C: Earthworks			26.08%	23,268,351.09		
D: Subbase and Base Course			5.31%	4,741,644.62		
E: Surface Courses			9.13%	8,148,532.84		
F: Bridge Construction			48.38%	43,160,072.34		
G: Drainage and Slope Protection Structures			7.19%	6,410,909.45		
H: Miscellaneous Structure			1.23%	1,095,408.09		
	1 1				1	

100.00%

89,214,582.56

### **EQUIPMENT:**

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

### **BREAKDOWN OF EXPENDITURES:**

	AS SUBMITTED	AS EVALUATED
1, Labor	4,955,665.26	
2. Materials	68,070,955.06	
3. Rental of Equipment	16,187,962.24	
4. Provisional Sum/Daywork	•	
5. OCM and Profit	15,767,007.18	
6. Value Added Tax	5,249,079.49	
7. EAO, 3.5%	3,858,073.42	
8, RROW Acquisition	5,000,000.00	
9. Physical Reseved (Contigency)	911,257.35	
10. TOTAL ESTIMATED COST	120,000,000.00	

	AS SUBMITTED	AS EVALUATED
A. Total Direct Cost	89,214,582.56	
B. OCM and Profit	15,767,007.18	
C. Value Added Tax	5,249,079.49	
D. Total Construction Cost		
E. Eng'g. & Administrative Overhead	3,858,073.42	
F. RROW Acquisition	5,000,000.00	
G. Physical Reserved (Contingency)	911,257.35	
H. TOTAL ESTIMATED COST	120,000,000.00	

Preparation and Submission:

Prepared by:

ELWICK P. ACUÑA

Engineer II

Maintenance Division

Checked/Submiletd by:

ISIDRA A. ESTANISLAO Engineer IV

Maintenance Division

**Evaluation:** 

Reviewed by:

District Engineer

Planning & Design Division

Approval:

Recommending Appro

KHADAFFY B. TANGGOL

OIC-Assistant Regional Director

Approved:

Regional Director



### Construction of By-Pass and Diversion Roads, Buenavista - Bolong Coastal Bypass Road (Lubigan - Mala Section) Including Bridge, Zamboanga City Zamboanga City

FORM POW-2015-01A-00

### ITEMIZED BREAKDOWN

						DIRECT	COST		TOTAL U	NIT COST	% DIRECT
ITEM NO.	DESCRIPTION	QUA	YTITY	UNIT	тоти	AL	UNIT	COST	TO	TAL	COST
		AS SUBMITTED	AS EVALUATED		AS SUBMITTED	AS EVALUATED	AS SUBMITTED	AS EVALUATED	AS SUBMITTED	AS EVALUATED	AS EVALUATE
PART A	Facilities for the Engineers										
A.1.1(3)	Construction of Field Office for the Engineer	1.00		L.S.	421,184.37		421,184.37		521,847.4 <del>4</del>		0.47%
A.1.1(11)	Provision of Provision of Furnitures/Fixtures, Equipment and Appliances for the Field Office for the Field Engineer	1.00		L.S.	317,340.00		317,340.00		359,863.56		0.36%
A.1.2(5)	Operation and Maintenance of 4 x 4 Pick-Up Type Service Vehicle for the Engineer	12.00		month	367,133.20		30,594.43		32,124.16		0.41%
	TOTAL OF PART A				1,105,657.57						1.24%
PART B	Other General Requirements										
B.4(1)	Construction Survey & Staking	0.72		km.	30,945.59		43,214.07		53,542.23		0.03%
B.5	Project Billboard/Signboard	2.00		each	11,007.96		5,503.98		6,819.43		0.01%
B.7	Occupation Safety & Health	12.00	1	month	372,123.00		31,010.25	10-24000140000	35,165.62		0.42%
B.9	Mobilization & Demobilization	1.00		L.S.	869,930.00		869,930.00		913,426.50		0.98%
	TOTAL OF PART B				1,284,006.55						1.44%
PART C	Earthworks										
102(1)	Unsuitable Excavation	8,683.00		cu.m.	2,078,867.36		239.42		296.64		2.33%
103(2)a	Bridge Excavation, Common Soil	397.51		cu.m.	92,020.78		231.49		286.82	2	0.10%
103(2)b	Bridge Excavation, Soft Rock	673.95		cu.m.	233,976.65		347.17		430.15		0.26%
104(1)a	Embankment from Roadway Excavation	7,786.00		cu.m.	1,797,798.72		230.90	www.co.io	286.09		2.02%
104(2)a	Embankment from Borrow	5,347.00		cu.m.	3,109,241.87		581.49		720.47		3.49%
104(5)	Boulder Fill	8,479.00		cu.m.	15,936,981.71		1,879.58		2,328.80		17.86%
105(1)a	Subgrade Preparation	1,215.80		cu.m.	19,464.00		16.01		19.84		0.02%
	TOTAL OF PART C				23,268,351.09						26.08%
PART D	Subbase and Base Course										
200(1)	Aggregate Subbase Course	3,663.00		cu.m.	4,741,644.62		1,294.47		1,603.85		5.31%
	TOTAL OF PART D				4,741,644.62						5.31%
PART E	Surface Courses										
300(1)	Gravel Surface Course	190.00		cu.m.	249,882.35		1,315.17		1,629.50		0.28%
311(1)e1	Portland Cement Concrete Pavement	4,356.00		sq.m.	7,898,650.49		1,813.28		2,246.65		8.85%
	TOTAL OF PART E				8,148,532.84						9.13%

ſ		01141		<u> </u>		DIRECT	COST		TOTAL U	NIT COST	% DIRECT
ITEM NO	. DESCRIPTION	QUAI	NTITY	UNIT	TOT	AL	UNIT	COST	TO	TAL	COST
ĺ		AS SUBMITTED	AS EVALUATED	1	AS SUBMITTED	AS EVALUATED	AS SUBMITTED	AS EVALUATED	AS SUBMITTED	AS EVALUATED	AS EVALUATED
PART F	Bridge Construction	<b>VERNING BOOK</b>						484845			
400(1)a1	Precast Concrete Piles, furnished (400 mm x 400 mm)	1,760.00		m.	6,277,701.67		3,566,88		4,419.36		7.04%
400(6)	Structural Steel Sheet Piles, furnished	1,134.00		kg.	2,822,074.44		2,488.60		3,083.38		3.16%
400(12)	Structural Steel Sheet Piles, driven	756,00		kg.	743,502.02		983.47		1,218.52		0.83%
400(14)	Precast Concrete Piles, driven (soft strata)	1,672.00		m.	2,658,888.93		1,590.24		1,970.31		2.98%
400(16)a	Test Piles, furnished and driven	80.00		m.	343,099.57		4,288.74		5,313.75		0.38%
401(2)a	Concrete Railing	179.96		m.	2,339,452.07		12,999.84		16,106.81		2.62%
402(1)	Timber Structure	14.00		span	692,386.01		49,456.14				0.78%
404(1)a	Reinforcing Steel, Grade 40	5,165.02		kg.	252,946.63		48.97		60.68		0.28%
404(1)b	Reinforcing Steel, Grade 60	126,639.64		kg.	6,467,868.97		51.07	-	63.28		7.25%
405(1)b2	Structural Concrete, Class "A*	752.84		cu.m.	6,338,778.98		8,419.82		10,432.16		7.11%
406(1)f8	Prestressed Structural Concrete Member, Type IV-B	12.00		each	11,298,886.06		941,573.84		1,166,609.99		12.66%
407(8)	Lean Concrete	18.25		cu.m.	109,663.37		6,008.95	·	7,445.09		0.12%
412(1)	Elastomeric Bearing Pad	24.00		each	394,521.36		16,438.39		20,367.17		0.44%
413(3)b	Premolded Expansion Joint Filter with Sealant	7.18		cu.m.	3,662.62		510.11		632.03		0.00%
413(7)a1	Expansion Dam for Bridges (Steel)	2.00		set	869,730.38		434,865.19	-	538,797.97		0.97%
414(1)	Forms and Faisework	1.00		L.S.	1,546,909.26		1,546,909.26		1,916,620.57		1.73%
	TOTAL OF PART F				43,160,072.34						48.38%
PART G	Drainage and Slope Protection Structures										
505(2)a	Grouted Riprap, Class "A"	659.45		cu.m.	3,504,144.49		5,313.74		6,583.72		3.93%
507(1)	Rubble Concrete	110.31		cu.m.	539,476.01		4,890.54		6,059.39		0.60%
508(1)	Hand Laid Rock Embankment	1,366.70		cu.m.	2,367,288.95		1,732.12		2,146.10		2.65%
	TOTAL OF PART G				6,410,909.45						7.19%
PART H	Miscellaneous Structure							NEWSTERN .		d (distance)	eriginistis.
612(1)	Reflectorized Thermoplastic Pavement Markings (White)	170.00		sq.m.	125,839.22		740.23		917.15		0.14%
612(2)	Reflectorized Thermoplastic Pavement Markings (Yellow)	56.00		sq.m.	45,667.41	·	815.49		1,010.39		0.05%
715(1)	Geotextile	5,224.00		sq.m.	923,901.46		176.86		219.13	•	1.04%
	TOTAL OF PART H				1,095,408.09						1.23%
	GRAND TOTAL				89,214,582.56						100.00%



FORM POW-2015-01B-00

### MINIMUM EQUIPMENT REQUIREMENT

No.	Equipment Description	Capacity	Number of Equipment	No.	Equipment Description	Capacity	Number of Equipment
1	Dumptrusk (10 Wheeler)	12 cu. Yd	10	26	Diesel Hammer		1
2	Bulldozer		2	27	Drop Hammer		1
3	Backhoe	0.83 cu.m/1.04 cu Yd	3	28	Jack Hammer		2
4	Road Grader		2	29	Air Compressor	356 - 450 cfm	1
5	Road Roller	10 mt	2	30	Service Crane	21 - 25 mt.	1
6	Payloader	1.50 cu.m/1.95 cu.yd	4	31	Crawler Crane with Bucket	36 - 40 mt.	1
7	Water Truck/Pump	16000L	2	32	Truck Mounted Crane with Bucket	41 - 45 mt.	1
8	Water Tank		2	33	Stressing (Jack) Machine		1
9	Transit Mixer	5-6 cu. Yd	4	34	Grouting Machine, Air Driven		1
10	Concrete Screeder		1	35			
11	Concrete Vibrator		2	36			
12	Concrete Cutter		2	37			
13	Bar Cutter		1	38			
14	Bar Bender		1	39			
15	One Bagger Mixer	4-6 cu.ft/min	2	40			
16	Plate Compactor		1	41			
17	Concrete Batching Plant		1	42			
18	Cargo Truck	2 - 5 mt	1	43			
19	Cargo Truck	9 - 10 mt	1	44			
20	Boom Truck		1	45			
21	Truck Mounted Crane		1	46			
22	Vibro Hammer	272.22 hp	1	47			
23	Generator Set	7000 kW	1	48			
24	Welding Machine	500A	1	49			, , , , , , , , , , , , , , , , , , , ,
25	Cutting Outfit		2	50			
	SUB-TOTAL		51		SUB-TOTAL		10





### EGIONAL OFFICE IX

### Construction of By-Pass and Diversion Roads, Buenavista - Bolong Coastal Bypass Road (Lubigan - Mala Section) Including Bridge, Zamboanga City Zamboanga City

9167067600

FORM POW-2015-01C-00

						ITEMIZE	BREAKDOWN						
			T			Shorten In	DETA	ILED BREAKDOWN	OF COMPONENT C	OST FOR EA	CH ITEM		
ITEM NO.	DESCRIPTION						DIREC				AL MARK-UP	1	
	The state of the s		%	QTY	UNIT	MATERIAL	LABOR	EQUIPMENT	TOTAL	%	VALUE	5% VAT	TOTAL COST
PARTA	Facilities for the Engineers		Section Side										
		AS EVALUATED	T		adapter (1200)								
A.1.1(3)	Construction of Field Office for the Engineer	AS SUBMITTED	0.47%	1.00	L.S.	343,799.07	45,026.64	32,358.66	421,184.37	18.00%	75,813.19	24,849.88	521,847.4
CHOS INSCHAL	Provision of Provision of Furnitures/Fixtures, Equipment and	AS EVALUATED						3-4-1-11-1		30.0377	70,000.00	2.70.15.00	022/01/11
A.1.1(11)	Appliances for the Field Office for the Field Engineer	AS SUBMITTED	0.36%	1.00	L.S.	317,340.00			317,340.00	8.00%	25,387.20	17,136.36	359,863,5
and a second	Operation and Maintenance of 4 x 4 Pick-Up Type Service	AS EVALUATED							527,5 10.00	0.0070	25,567.25	17,130.30	333,003.3
A.1.2(5)	Vehicle for the Engineer	AS SUBMITTED	0.41%	12.00	month	198,340,00	168,793.20	-	367,133.20	0.00%	-	18,356.66	385,489.8
		AS EVALUATED							50//250:25	0,0070		20,550.00	303,103.0
	TOTAL OF PART A	AS SUBMITTED	1.24%			859,479.07	213,819.84	32,358.66	1,105,657.57		101,200.39	60,342.90	1,267,200.86
PART B	Other General Requirements	Er Buchananen							2,200,00,10,		202/200103	50,542.56	2/20//200
		AS EVALUATED			100000000000000000000000000000000000000		pre-scount to to to the only of						
B.4(1)	Construction Survey & Staking	AS SUBMITTED	0.03%	0.72	km.	7,895.00	19,327,58	3,723.01	30,945.59	18.00%	5,570.21	1,825.79	38,341.59
		AS EVALUATED	5.00.10			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	15,527,50	3//23.01	30,3 13.33	10.0070	3,370.21	1,023.73	50,5 11.55
B.5	Project Billboard/Signboard	AS SUBMITTED	0.01%	2.00	each	7,330.00	3,677.96		11,007.96	18.00%	1,981.43	649.47	13,638.86
		AS EVALUATED	0.0170	2.00	Cucii	7,550.00	3,077.30		11,007.50	10.0070	1,501.45	013.17	15,036.60
B.7	Occupation Safety & Health	AS SUBMITTED	0.42%	12.00	month	26,760.00	285,363.00	60,000.00	372,123.00	8.00%	29,769.84	20,094.64	421,987.48
		AS EVALUATED	0.1270	12.00	montai	20,700.00	203,303.00	50,000.00	372,123.00	0.0070	25,703.04	20,034.04	721,967.40
B.9	Mobilization & Demobilization	AS SUBMITTED	0.98%	1.00	LS.		-	869,930.00	869,930.00	0.00%		43,496.50	913,426.50
		AS EVALUATED	0.5070	1.00				009,930.00	609,930.00	0.0078		43,490.30	913,720.30
	TOTAL OF PART B	AS SUBMITTED	1.44%			41,985.00	308,368.54	933,653.01	1,284,006.55		37,321,48	66,066.40	1,387,394.44
PART C	Earthworks		2.4476			42,500,00	300,300.34	933,033.01	1,204,000.33	EC. CONTRACT	37,321.46	00,000.40	1,367,394,444
AICIC	Ziidiioi Zii	AS EVALUATED											
102(1)	Unsuitable Excavation	AS SUBMITTED	2.33%	8,683.00	cu.m.	-	93,958.74	1,984,908.62	2,078,867.36	18.00%	374,196.13	122,653.17	2,575,716.66
		AS EVALUATED	2,557,0	0,000.00	Comm		33,330.71	1,501,500.02	2,070,007.50	10.0070	374,130.13	122,033.17	2,373,710.00
103(2)a	Bridge Excavation, Common Soil	AS SUBMITTED	0.10%	397.51	cu.m.		4,568.83	87,451.95	92,020.78	18.00%	16,563.74	5,429.23	114,013.74
		AS EVALUATED	0.1070	337.31	cuiiii		1,500.05	07,131.33	92,020.76	10.00%	10,503.74	3,723.23	114,013.74
103(2)b	Bridge Excavation, Soft Rock	AS SUBMITTED	0.26%	673.95	cu.m.		11,065.90	222,910.76	233,976.65	18.00%	42,115.80	13,804.62	289,897.07
		AS EVALUATED	0.2070	0/0.55	Cuilli		11,005.50	222,310.70	233,370.03	10.0070	12,113.00	15,604.02	203,037.07
104(1)a	Embankment from Roadway Excavation	AS SUBMITTED	2,02%	7,786.00	cu.m.		48,804,62	1,748,994.10	1,797,798.72	18.00%	323,603.77	106.070.12	2,227,472.61
		AS EVALUATED	2.0270	7,700.00	COLINI		10,001.02	1,7 10,55 1.10	1,737,730.72	16.0070	323,003.77	100,070.12	2,221,472.01
104(2)a	Embankment from Borrow	AS SUBMITTED	3.49%	5,347.00	cu.m.	2,595,634.31	18,314.95	495,292.61	3,109,241.87	18.00%	559,663.54	183,445.27	3,852,350.67
		AS EVALUATED	3.4370	3,347.00	Cu.m.	2,333,034.31	10,314.93	753,252.01	3,103,241.67	10.00%	339,003.34	103,743.27	3,032,330.07
104(5)	Boulder Fill	AS SUBMITTED	17.86%	8,479.00	cu.m.	13,017,003.20	758,929.85	2,161,048.67	15,936,981.71	18.00%	2,868,656.71	940,281.92	10 745 000 24
		AS EVALUATED	17.0070	0,173.00	çu.m.	13,017,003.20	730,929.03	2,101,046.07	13,930,901.71	10.00%	2,000,030.71	940,201.92	19,745,920.34
105(1)a	Subgrade Preparation	AS SUBMITTED	0.02%	1,215.80	cu.m.	-	694.07	18,769.93	19,464.00	18.00%	3,503.52	1,148.38	24.115.00
		AS EVALUATED	0.0270	1,213.00	cu.iii.		094.07	10,769,93	19,404.00	10.00%	3,303.32	1,146.38	24,115.90
	TOTAL OF PART C	AS SUBMITTED	26.08%			15,612,637.51	936,336.96	6,719,376.62	23,268,351.09		4,188,303.20	4 272 022 74	20 020 407 00
ART D	Subbase and Base Course	AS SOBRITTED	20.0070		Eberminisch	13,012,037.31	930,330.90	0,719,370.02	23,208,331.09	na some coll	4,100,303.20	1,372,832.71	28,829,487.00
ANID	Cubrest dile Desc Course	AS EVALUATED									emailipeacha (cale 2 a)		Management of the Colorest History
200(1)	Aggregate Subbase Course	AS SUBMITTED	5.31%	3,663.00	cu.m.	4,389,794.15	12,546.78	339,303.69	4,741,644.62	18.00%	853,496.03	270 757 02	5,874,897.68
		AS EVALUATED	3.3170	3,003.00	cu.m.	7,303,734.13	12,340.78	339,303.69	4,/11,011.02	18.00%	653,496.03	279,757.03	3,874,897.68
	TOTAL OF PART D	Transfer to any own or the contract of the con	E 340/			4 390 704 45	12 546 76	220 202 62	4 744 544 55		052 404 02	070 757 00	E 474 447
	TOTAL OF PART D	AS SUBMITTED	5.31%			4,389,794.15	12,546.78	339,303.69	4,741,644.62		853,496.03	279,757.03	5,874,89

							DETA	ILED BREAKDOWN	OF COMPONENT C	OST FOR EA	CH ITEM	•	
ITEM NO.	DESCRIPTION		%	OTV.		****	DIREC	T COST		тот	AL MARK-UP	]	
			700	QΤΥ	UNIT	MATERIAL	LABOR	EQUIPMENT	TOTAL	%	VALUE	5% VAT	TOTAL COST
PART E	Surface Courses	· 自由的特別等				<b>使用器能够料</b>				Mathaby		TO THE STATE OF TH	
300(1)	Gravel Surface Course	AS EVALUATED	l										
000(2)	0000	AS SUBMITTED	0.28%	190.00	cu.m.	231,631.85	650.80	17,599.70	249,882.35	18.00%	44,978.82	14,743.06	309,604.23
311(1)e1	Portland Cement Concrete Payement	AS EVALUATED											
	Volume Consider Parametre	AS SUBMITTED	8.85%	4,356.00	sq.m.	6,921,639,13	64,943.13	912,068.22	7,898,650.49	18.00%	1,421,757.09	466,020.38	9,786,427.95
	TOTAL OF PART E	AS EVALUATED											
	TOTAL COLUMN TOTAL	AS SUBMITTED	9.13%			7,153,270.98	65,593.93	929,667.92	8,148,532.84		1,466,735.91	480,763.44	10,096,032.19
PART F	Bridge Construction	r FASIBASSKA, KO	Heritar		975-977A	eterréntistique (ES)		outenekelejtije		i ja ja sa		es a la l	of englishing via Benjambana
400/1\a1	Precast Concrete Piles, furnished (400 mm x 400 mm)	AS EVALUATED											· · · · · · · · · · · · · · · · · · ·
100(2)02	Treest construct thes, jurished (400 film) x 400 film)	AS SUBMITTED	7.04%	1,760.00	m.	5,000,424.00	476,351.92	800,925.75	6,277,701.67	18.00%	1,129,986.30	370,384.40	7,778,072.37
400(6)	Structural Steel Sheet Piles, furnished	AS EVALUATED											
100(0)	Structural Steel Sheet Files, Juliushed	AS SUBMITTED	3.16%	1,134.00	kg.	2,776,032.00	4,543.58	41,498.85	2,822,074.44	18.00%	507,973.40	166,502.39	3,496,550.23
400(17)	Charles Charles and Aller	AS EVALUATED											
400(12)	Structural Steel Sheet Piles, driven	AS SUBMITTED	0.83%	756.00	kg.	62,354.31	53,187.72	627,959,99	743,502.02	18.00%	133,830.36	43,866.62	921,199.00
40004.43		AS EVALUATED											
400(14)	Precast Concrete Piles, driven (soft strata)	AS SUBMITTED	2.98%	1,672.00	m,	714,920.45	490,133.74	1,453,834.74	2,658,888.93	18.00%	478,600.01	156,874.45	3,294,363.38
		AS EVALUATED											
400(16)a	Test Piles, furnished and driven	AS SUBMITTED	0.38%	80.00	m,	250,086.72	23,451.38	69,561.47	343,099.57	18.00%	61,757.92	20,242.87	425,100.36
		AS EVALUATED											
401(2)a	Concrete Railing	AS SUBMITTED	2.62%	179.96	m.	2,172,765.16	138,372.11	28,314,79	2,339,452.07	18.00%	421,101.37	138,027.67	2,898,581.11
		AS EVALUATED											2/01/07/02/12
402(1)	Timber Structure	AS SUBMITTED	0.78%	14.00	span	166,893.73	78,796.62	446,695.66	692,386.01	18.00%	124,629.48	40,850.77	857,866.27
		AS EVALUATED	-				7.7,	, 10,000.00	0,2,000.01		12, 902,01.0	(0)000,7	037,000.E7
404(1)a	Reinforcing Steel, Grade 40	AS SUBMITTED	0.28%	5,165.02	kg.	216,930.84	16,052.27	19,963,52	252,946.63	18.00%	45,530,39	14,923.85	313,400.88
		AS EVALUATED	0.2075	3720002	1191	220,550.01	10,032.27	23,300.02	232,310.03	10.0070	45,550.55	14,323.03	313,700.00
404(1)b	Reinforcing Steel, Grade 60	AS SUBMITTED	7.25%	126,639.64	kg.	5,584,808.12	393,581.05	489,479.80	6,467,858.97	18.00%	1,164,216.41	381,604.27	8,013,689.66
		AS EVALUATED	712070	200,000,00		5,50 ,050,122	555,502105	102, 17 3.00	0,107,000.57	10.0070	1,101,210.11	301,007.27	0,010,005.00
405(1)b2	Structural Concrete, Class "A"	AS SUBMITTED	7.11%	752.84	cu.m.	5,761,221.03	101,879.77	475,678.19	6,338,778.98	18.00%	1,140,980.22	373,987.96	7,853,747.16
		AS EVALUATED	7.11.70	732.01	Cuana	3// 01/221/03	101,073.77	7/3,0/0.19	0,330,776.30	10,0076	1,170,980.22	3/3,96/.90	7,052,147,16
406(1)f8	Prestressed Structural Concrete Member, Type IV-8	AS SUBMITTED	12.65%	12.00	each	8,640,000.00	779,484.96	1,879,401.10	11,298,886.06	18.00%	2 022 700 40	505 504 30	42 000 010 00
		AS EVALUATED	12.0076	12.00	Carii	8,040,000,00	//5,707,30	1,075,701.10	11,296,666.05	16.0076	2,033,799.49	666,634.28	13,999,319.82
407(8)	Lean Concrete	AS SUBMITTED	0.12%	18.25		07.540.74	2.000 FF	0.035.50	400 550 07	40.000	45 200 44		
		AS EVALUATED	0.1270	16.23	CET'LLI"	97,640.24	2,996.55	9,026.58	109,663.37	18.00%	19,739.41	6,470.14	135,872.92
412(1)	Elastomeric Bearing Pad	AS SUBMITTED	0.44%	74.00		200 044 02	4.440.00	0.400.00		40.000	74 040 05	20.000.00	
		AS EVALUATED	0.44%	24.00	each	388,011.03	4,110.33	2,400.00	394,521.36	18.00%	71,013.85	23,276.76	488,811.97
413(3)b	Premolded Expansion Joint Filler with Sealant	<u> </u>		7.0		3.500.00							
		AS SUBMITTED	0.00%	7.18	cu.m.	3,590.00	66.02	6.60	3,662.62	18.00%	659.27	216.09	4,537.99
413(7)a1	Expansion Dam for Bridges (Steel)	AS EVALUATED											
		AS SUBMITTED	0.97%	2.00	set	138,779.91	140,708.25	590,242.23	869,730.38	18.00%	156,551.47	51,314.09	1,077,595.94
414(1)	Forms and Faisework	AS EVALUATED											
	<del></del>	AS SUBMITTED	1.73%	1.00	L.S.	1,419,450.00	112,566.60	14,892.66	1,546,909.26	18.00%	278,443.67	91,267.65	1,916,620.57
	TOTAL OF PART F	AS EVALUATED											
	The second secon	AS SUBMITTED	48.38%			33,393,907.54	2,816,282.87	6,949,881.94	43,160,072.34		7,768,813.02	2,546,444.27	53,475,329.63
PART G	Drainage and Slope Protection Structures			DESKRIPTURK KARANES	NOT COME	99 Mari 2340.			sieuromanajinespe				anjajana kapaja popia banapolans
505(2)a	Grouted Riprap, Class "A"	AS EVALUATED											
		AS SUBMITTED	3.93%	659.45	cu.m.	3,024,138.42	295,126.96	184,879.12	3,504,144.49	18.00%	630,746.01	206,744.52	4,341,635.02
507(1)	Rubble Concrete	AS EVALUATED											
		AS SUBMITTED	0.60%	110.31	ca.m.	462,724.70	44,078.20	32,673,11	539,476.01	18.00%	97,105.68	31,829.08	668,410.78
508(1)	Hand Laid Rock Embankment	AS EVALUATED										·	
\- <i>'</i>		AS SUBMITTED	2.65%	1,366.70	cu,m.	2,098,164.67	244,658.43	24,465.84	2,367,288.95	18.00%	426,112.01	139,670.05	2,933,071.01
	TOTAL OF PART G	AS EVALUATED											-
		AS SUBMITTED	7.19%			5,585,027.79	583,863.59	242,018.07	6,410,909.45		1,153,963.70	378,243.66	7,943,116.81

	· · · · · · · · · · · · · · · · · · ·						DETA	LED BREAKDOWN	OF COMPONENT C	OST FOR EA	СН ІТЕМ		
ITEM NO.	DESCRIPTION		%	QTY	UNIT		DIREC	T COST		TOT	AL MARK-UP		
				Ψ	01111	MATERIAL	LABOR	EQUIPMENT	TOTAL	%	VALUE	- 5% VAT	TOTAL COST
PART H	Miscellaneous Structura	Lyminth (City)						CBW gp (may 470)	EXECONOR demayor	geriyi sad	ในเกียงสังษารูปกลวงรับสัง	ignegetiya koppositoj	enigeratura yang terbisik beli
612(1)	Reflectorized Thermoplastic Pavement Markings (White)	AS EVALUATED											
012(1)	Reflectorized Thempopassic Pavement Plannings (Vinite)	AS SUBMITTED	0.14%	170.00	sq.m.	115,093.41	3,189.92	7,555.89	125,839.22	18.00%	22,651.06	7,424.51	155,914,80
612(2)	2(2) Reflectorized Thermoplastic Pavement Markings (Yellow)	AS EVALUATED									<del></del>		
012(2)		AS SUBMITTED	0.05%	56.00	sq.m.	42,127.51	1,050.80	2,489.00	45,667.41	18.00%	8,220.13	2,694.38	56,581.92
715(1)	Geotextile	AS EVALUATED	-								**************************************		
,15(1)	Ocotexue	AS SUBMITTED	1.04%	5,224.00	sq.m.	877,632.00	14,612.02	31,657.44	923,901.46	18,00%	166,302,25	54,510.19	1,144,713.91
	TOTAL OF PART H	AS EVALUATED					*						-,,-
	101AL OF FART H	AS SUBMITTED	1.23%			1,034,853.02	18,852.74	41,702.33	1,095,408.09		197,173.46	64,629.08	1,357,210.63
	GRAND TOTAL AS EVALUAT	AS EVALUATED									<u> </u>		
	GRAND IOIAL	AS SUBMITTED	100.00%			68,070,955.06	4,955,665.26	16,187,962.24	89,214,582.56		15,767,007.18	5,249,079.49	110,230,669.23



### DPW

### **GIONAL OFFICE IX**

### Construction of By-Pass and Diversion Roads, Buenavista - Bolong Coastal Bypass Road (Lubigan - Mala Section) Including Bridge, Zamboanga City Zamboanga City

### SUMMARY OF APPROVED BUDGET FOR THE CONTRACT

### FORM POW-2015-02-00

	DESCRIPTION OF MORVE TO BE	ONE	FOTHER DIDECT COOT	1	TOTAL MARK-UP	1.547	70741 741070707 0007	
	DESCRIPTION OF WORKS TO BE D	ONE	ESTIMATED DIRECT COST	%	TOTAL DIRECT COST	VAT	TOTAL INDIRECT COST	TOTAL COST
PART A	Facilities for the Engineers	AS EVALUATED						
PARIA	racinues for the Engineers	AS SUBMITTED	1,105,657.57		101,200.39	60,342.90	161,543.29	1,267,200.86
PART B	Other General Requirements	AS EVALUATED				7		
PARID	Other General Requirements	AS SUBMITTED	1,284,006.55		37,321.48	66,066.40	103,387.88	1,387,394.44
DARTC	Earthworks	AS EVALUATED						
PARTC	Earthworks	AS SUBMITTED	23,268,351.09		4,188,303.20	1,372,832.71	5,561,135.91	28,829,487.00
PART D	Subbase and Base Courses	AS EVALUATED						
PARID	Subbase and base Courses	AS SUBMITTED	4,741,644.62		853,496.03	279,757.03	1,133,253.06	5,874,897.68
PART E	Surface Courses	AS EVALUATED						
PARIE	Surface Courses	AS SUBMITTED	8,148,532.84		1,466,735.91	480,763.44	1,947,499.35	10,096,032.19
PART F	Bridge Construction	AS EVALUATED						
PARIF	Bridge Corist detaon	AS SUBMITTED	43,160,072.34		7,768,813.02	2,546,444.27	10,315,257.29	53,475,329.63
PART G	Drainage and Slope Protection Structures	AS EVALUATED				The state of the s		
PARIG	brainage and Slope Protection Structures	AS SUBMITTED	6,410,909.45		1,153,963.70	378,243.66	1,532,207.36	7,943,116.81
DADTII	Miscellaneous Structure	AS EVALUATED						
PART H	Miscella leous ou ucture	AS SUBMITTED	1,095,408.09		197,173.46	64,629.08	261,802.53	1,357,210.63
	AS EVALUATED	AS EVALUATED						
	TOTAL	AS SUBMITTED	89,214,582.56		15,767,007.18	84,839,959.75	21,016,086.67	110,230,669.23

Preparation and Submission:

Prepared by:

ELWICK P. ACUÑA

Engineer II

Maintenance Division

Checked/Submiletd by:

ISIDRA A. ESTANISLAO

Engineer IV Maintenance Division **Evaluation:** 

Reviewed by:

SATURNINO C. TORREFRANCA

District Engineer

Planning & Design Division

Approval:

Recommending Approval

KHADAFFY D. TANGGOL

OIC-Assistant Regional Director

Approved:

CAYAMOMBAO D. DIA

Regional Director



### DP EGIONAL OFFICE IX

### Construction of By-Pass and Diversion Roads, Buenavista - Bolong Coastal Bypass Road (Lubigan - Mala Section) Including Bridge, Zamboanga City Zamboanga City

FORM POW-2015-02A-00

ITEM NO.	DESCRIPTION		дту	UNIT	ESTIMATED DIRECT COST	то	TAL MARK-UP	VAT	TOTAL INDIRECT COST	TOTAL COST	UNIT COST
		1				%	VALUE				
PART A	Facilities for the Engineers										
A 1 1/2\	Construction of Field Office for the Fred	AS EVALUATED									
A.1.1(3)	Construction of Field Office for the Engineer	AS SUBMITTED	1.00	L.S.	421,184.37	18.00%	75,813.19	24,849.88	100,663.07	521,847.44	513,960.77
A 1 1/11\	Provision of Provision of Furnitures/Fixtures, Equipment and	AS EVALUATED									
A.1.1(11)	Appliances for the Field Office for the Field Engineer	AS SUBMITTED	1.00	L.S.	317,340.00	8.00%	25,387.20	17,136.36	42,523.56	359,863.56	329,718.06
A.1.2(5)	Operation and Maintenance of 4 x 4 Pick-Up Type Service	AS EVALUATED									
A.1.2(3)	Vehicle for the Engineer	AS SUBMITTED	12.00	month	367,133.20	0.00%	-	18,356.66	18,356.66	385,489.86	32,124.16
	TOTAL OF BART A	AS EVALUATED									
	TOTAL OF PART A	AS SUBMITTED			1,105,657.57		101,200.39	60,342.90	161,543.29	1,267,200.86	
PART B	Other General Requirements			Minarija Sid							
D 4(4)		AS EVALUATED								gar reacht an an ann an ann an an an an an an an a	
B.4(1)	Construction Survey & Staking	AS SUBMITTED	0.72	km.	30,945.59	18.00%	5,570.21	1,825.79	7,396.00	38,341.59	53,542.23
D.F.	D-/ DIII	AS EVALUATED									
B.5	Project Billboard/Signboard	AS SUBMITTED	2.00	each	11,007.96	18.00%	1,981.43	649.47	2,630.90	13,638.86	6,819.43
		AS EVALUATED									
B.7	Occupation Safety & Health	AS SUBMITTED	12.00	month	372,123.00	8.00%	29,769.84	20,094.64	49,864.48	421,987.48	35,165.62
		AS EVALUATED									
B.9	Mobilization & Demobilization	AS SUBMITTED	1.00	L.S.	869,930.00	0.00%		43,496.50	43,496.50	913,426.50	913,426.50
		AS EVALUATED			-						
	TOTAL OF PART B	AS SUBMITTED			1,284,006.55		37,321.48	66,066.40	103,387.88	1,387,394.44	
PART C	Earthworks										
400(4)		AS EVALUATED									
102(1)	Unsuitable Excavation	AS SUBMITTED	8,683.00	cu.m.	2,078,867.36	18.00%	374,196.13	122,653.17	496,849.30	2,575,716.66	296.64
400(0)		AS EVALUATED									
103(2)a	Bridge Excavation, Common Soil	AS SUBMITTED	397.51	cu.m.	92,020.78	18.00%	16,563.74	5,429.23	21,992.97	114,013.74	286.82
103/315	011-5	AS EVALUATED									
103(2)b	Bridge Excavation, Soft Rock	AS SUBMITTED	673.95	cu.m.	233,976.65	18.00%	42,115.80	13,804.62	55,920.42	289,897.07	430.15
104/1)-		AS EVALUATED									
104(1)a	Embankment from Roadway Excavation	AS SUBMITTED	7,786.00	cu.m.	1,797,798.72	18.00%	323,603.77	106,070.12	429,673.89	2,227,472.61	286.09
404(0)-		AS EVALUATED									
104(2)a	Embankment from Borrow	AS SUBMITTED	5,347.00	cu.m.	3,109,241.87	18.00%	559,663.54	183,445.27	743,108.81	3,852,350.67	720.47
		AS EVALUATED									
104(5)	Boulder Fill	AS SUBMITTED	8,479.00	cu.m.	15,936,981.71	18.00%	2,868,656.71	940,281.92	3,808,938.63	19,745,920.34	2,328.80
405(4)		AS EVALUATED	W		W						H10-30-30-30-30-30-30-30-30-30-30-30-30-30
105(1)a	Subgrade Preparation	AS SUBMITTED	1,215.80	cu.m.	19,464.00	18.00%	3,503.52	1,148.38	4,651.90	24,115.90	19.84
		AS EVALUATED	4-11-60								300
	TOTAL OF PART C	AS SUBMITTED	† <b>≟</b> ∜	-	23,268,351.09		4,188,303.20	1,372,832.71	5,561,135.91	28,829,487.00	

ITEM NO.	DESCRIPTION		QTY	UNIT	ESTIMATED DIRECT COST	1	TOTAL MARK-UP	VAT	TOTAL INDIRECT COST	TOTAL COST	UNIT COST
L						%	VALUE	1		1	
PART D	Subbase and Base Course			30,48420		95653		avakanan eski istiki	Africa Contra	LARNOR BEIGHT THE	of clays beginning a graph
200(1)	Aggregate Subbase Course	AS EVALUATED									
200(1)	Aggregate Subbase Coolse	AS SUBMITTED	3,663.00	cu.m.	4,741,644.62	18.00%	853,496.03	279,757.03	1,133,253.06	5,874,897.68	1,603.85
	TOTAL OF PART D	AS EVALUATED	ļ								
	103AL OF FART D	AS SUBMITTED	-	-	4,741,644.62		853,496.03	279,757.03	1,133,253.06	5,874,897.68	
PART E	Surface Courses					diades			55572612078124147		alista fluori edale
300(1)	Gravel Surface Course	AS EVALUATED									
500(1)	Graves Burrace Course	AS SUBMITTED	190.00	cu.m.	249,882.35	18.00%	44,978.82	14,743.06	59,721.88	309,604,23	1,629.50
211/1)01	Portland Cement Concrete Pavernent	AS EVALUATED									
311(1)e1	Postanti Cenzent Concrete Pavement	AS SUBMITTED	4,356.00	sq.m.	7,898,650.49	18.00%	1,421,757.09	466,020.38	1,887,777.47	9,786,427.95	2,246.65
	TOTAL OF DATT F	AS EVALUATED									
	TOTAL OF PART E	AS SUBMITTED			8,148,532.84		1,466,735.91	480,763.44	1,947,499.35	10,096,032.19	
PART F	Bridge Construction			0.000		2//2/90/25		avenasavististis		Zaróje Garása Palocia	sinegariya sekiraya ye e
400(1)=1	Dresent Consumer Differ Emily 4 (400 400 )	AS EVALUATED									
400(1)91	Precast Concrete Piles, furnished (400 mm x 400 mm)	AS SUBMITTED	1,760.00	m.	6,277,701.67	18.00%	1,129,986.30	370,384.40	1,500,370.70	7,778,072.37	4,419.36
400(6)		AS EVALUATED				1					
400(6)	Structural Steel Sheet Piles, furnished	AS SUBMITTED	1,134.00	kg.	2,822,074.44	18.00%	507,973.40	166,502.39	674,475.79	3,496,550.23	3,083.38
400440		AS EVALUATED					TOTAL				
400(12)	Structural Steel Sheet Piles, driven	AS SUBMITTED	756.00	kg.	743,502.02	18.00%	133,830.36	43,866.62	177,696.98	921,199.00	1,218.52
		AS EVALUATED									
400(14)	Precast Concrete Piles, driven (soft strata)	AS SUBMITTED	1,672.00	m.	2,658,888.93	18.00%	478,600.01	156,874.45	635,474.45	3,294,363.38	1,970.31
		AS EVALUATED									
400(16)a	Test Piles, furnished and driven	AS SUBMITTED	80.00	m.	343,099.57	18.00%	61,757.92	20,242.87	82,000.80	425,100.36	5,313.75
40.440)		AS EVALUATED									
401(2)a	Concrete Railing	AS SUBMITTED	179.96	m.	2,339,452.07	18.00%	421,101.37	138,027.67	559,129.04	2,898,581.11	16,106.81
407543		AS EVALUATED								***	· · · · · · · · · · · · · · · · · · ·
402(1)	Timber Structure	AS SUBMITTED	14.00	span	692,386.01	18.00%	124,629.48	40,850.77	165,480.26	857,866.27	61,276.16
40.000		AS EVALUATED									
404(1)a	Reinforcing Steel, Grade 40	AS SUBMITTED	5,165.02	kg.	252,946.63	18.00%	45,530.39	14,923.85	60,454.25	313,400.88	60.68
40.44		AS EVALUATED				Ì					
404(1)b	Reinforcing Steel, Grade 60	AS SUBMITTED	126,639.64	kg.	6,467,868.97	18.00%	1,164,216.41	381,604.27	1,545,820.68	8,013,689.66	63.28
		AS EVALUATED									·····
405(1)b2	Structural Concrete, Class "A"	AS SUBMITTED	752.84	cu.m.	6,338,778.98	18.00%	1,140,980.22	373,987.96	1,514,968.18	7,853,747.16	10,432.16
		AS EVALUATED									
406(1)18	Prestressed Structural Concrete Member, Type IV-B	AS SUBMITTED	12.00	each	11,298,886.06	18.00%	2,033,799.49	666,634.28	2,700,433.77	13,999,319.82	1,166,609.99
		AS EVALUATED									
407(8)	Lean Concrete	AS SUBMITTED	18.25	cu.m.	109,663.37	18.00%	19,739.41	6,470.14	26,209.55	135,872.92	7,445.09
		AS EVALUATED							· · · · · · · · · · · · · · · · · · ·		······································
412(1)	Elastomeric Bearing Pad	AS SUBMITTED	24.00	each	394,521.36	18.00%	71,013.85	23,276.76	94,290.61	488,811.97	20,367.17
		AS EVALUATED				ļ ···					•
413(3)b	Premolded Expansion Joint Filler with Sealant	AS SUBMITTED	7.18	cu.m.	3,662.62	18.00%	659.27	216.09	875.37	4,537.99	632.03
		AS EVALUATED								,	
413(7)a1	Expansion Dam for Bridges (Steel)	AS SUBMITTED	2.00	set	869,730.38	18.00%	156,551.47	51,314.09	207,865.56	1,077,595.94	538,797.97
		AS EVALUATED		·					,	-,,	
414(1)	Forms and Palsework	AS SUBMITTED	1.00	L.S.	1,546,909.26	18.00%	278,443.67	91,267,65	369,711.31	1,916,620.57	1,916,620.57
		AS EVALUATED									-,
	TOTAL OF PART E	AS SUBMITTED			43,160,072.34		7,768,813.02	2,546,444.27	10,315,257.29	53,475,329.63	

ITEM NO.	DESCRIPTION		QΤΥ	UNIT	ESTIMATED DIRECT COST	то	TAL MARK-UP	VAT	TOTAL INDIRECT COST	TOTAL COST	UNITCOST
						%	VALUE				
PART G	Drainage and Slope Protection Structures										
505(2)a	Grouted Riprap, Class "A"	AS EVALUATED									
303(2)a	Grouted Riprap, Class A	AS SUBMITTED	659.45	cu.m.	3,504,144.49	18.00%	630,746.01	206,744.52	837,490.53	4,341,635.02	6,583.72
507(1)	Rubble Concrete	AS EVALUATED									
307(1)	Rubble Concrete	AS SUBMITTED	110.31	cu.m.	539,476.01	18.00%	97,105.68	31,829.08	128,934.77	668,410.78	6,059.39
E09/1)	Hond I aid Basis Embanisment	AS EVALUATED									
508(1)	Hand Laid Rock Embankment	AS SUBMITTED	1,366.70	cu.m.	2,367,288.95	18.00%	426,112.01	139,670.05	565,782.06	2,933,071.01	2,146.10
	TOTAL OF DART O	AS EVALUATED									
	TOTAL OF PART G	AS SUBMITTED			6,410,909.45		1,153,963.70	378,243.66	1,532,207.36	7,943,116.81	
PART H	Miscellaneous Structure					irealis d					
643/41	Definition of Theorem Indian Conference (Military)	AS EVALUATED									
612(1)	Reflectorized Thermoplastic Pavement Markings (White)	AS SUBMITTED	170.00	sq.m.	125,839.22	18.00%	22,651.06	7,424.51	30,075.57	155,914.80	917.15
540(0)		AS EVALUATED									
612(2)	Reflectorized Thermoplastic Pavement Markings (Yellow)	AS SUBMITTED	56.00	sq.m.	45,667.41	18.00%	8,220.13	2,694.38	10,914.51	56,581.92	1,010.39
745(4)		AS EVALUATED									
715(1)	Geotextile	AS SUBMITTED	5,224.00	sq.m.	923,901.46	18.00%	166,302.26	54,510.19	220,812.45	1,144,713.91	219.13
		AS EVALUATED									
	TOTAL OF PART H	AS SUBMITTED			1,095,408.09		197,173.46	64,629.08	261,802.53	1,357,210.63	
	COLUMN TOTAL	AS EVALUATED									
	GRAND TOTAL	AS SUBMITTED			89,214,582.56		15,767,007.18	5,122,670.19	21,016,086.67	110,230,669.23	

Preparation and Submission:

Prepared by:

ELWICK P. ACUÑA

Engineer II

Maintenance Division

Checked/Submiletd by:

ISIDRA A. ESTANISLAO
Engineer IV

Maintenance Division

Reviewed by:

SATURNINO C. TORREFRANCA

District Engineer

Planning & Design Division

# Construction of By-Pass and Diversit ds, Buenavista - Bolong Coastal Bypass Road (Lubigan - Mala Se Including Bridge, Zamboanga City Zamboanga City

FORM-POW-2015-01D-00

Item No./Description

A.1.1(3)

Construction of Field Office for the Engineer
1.00 L.S.

.. .. .. ..

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

	7	8.1 B.2 C.1 C.2 D.1 E.1	A.2 A.1
	Name and Specification  I Earthworks (Excavation, Embankment & Beddi a. Gravel Bedding b. Selected Fill c. Soil Poisoning c. Soil Poisoning d. L  II Concrete Works (Footings, Columns, Beams, & Slab on Grade) a. Portland Cement b. Crushed Gravel c. Washed Sand c. Washed Sand c. Washed Sand c. Washed Sand b. Crushed Gravel c. Washed Sand b. No. 16 G.I. Tie Wire b. No. 16 G.I. Tie Wire a. Deformworks (Columns & Beams) b. No. 16 G.I. Tie Wire c. Corol Lumber c. Corol Lumber b. Ordinary Plywood, 1/4" x 4" x 8" c. CWN Assorted c. CWN Assorted	a. One Bagger Mixer b. Water Truck Minor Tools 10% of Labor Cost Sub-Total for B-1 As Submitted Equipment Sub-Total for B-2 As Evaluated Total (A.1+B.1) - As Submitted Total (A.2+B.2) - As Evaluated Output per Hour - As Submitted Output per Hour - As Submitted Direct Unit Cost (C.1 +D.1) - As Submitted Direct Unit Cost (C.2 +D.2) - As Evaluated	Labor  a. Construction Foreman  b. Masons  c. Carpenters  d. Laborers  Sub-Total for A-1 As Submitted Labor  Sub-Total for A-2 As Evaluated  Name and Capacity  Equipment
pc. bag cu.m. kg. kg. set set	Unit cu.m. cu.m. L L Slab on Grade) bag cu.m. cu.m. cu.m. kg. kg. kg. bd.ft. pc. kg.	14 14	No. of Person/s  1 3 3 6 6 No. of Units
650.00 45.00 8.00 65.00 2.50 2.00	Quantity  3.50 10.00 2.50 90.00 21.00 18.00 435.00 20.00 400.00 18.00	48 8	No. of Hour/s 64 64 64 64 64 No. of Hour/s
16.00 306.00 1,762.10 38.00 100.00 1,765.26 1,765.26 924.00 1,848.00	Unit Cost  1,562.10 388.35 1,900.00 306.00 1,562.10 1,762.10 38.00 38.00 30.00 1,762.10 1,762.10 38.00 610.00 65.00	172.00 2,450.00	Hourly Rate 80.95 58.61 58.61 45.16 Hourly Rate
10,400.00 13,770.00 14,096.80 2,470.00 250.00 3,530.52 1,848.00 3,696.00	Amount (Php.)  5,467.35 3,883.50 4,750.00 27,540.00 32,804.10 31,717.80 16,530.00 1,600.00 10,980.00 325.00	8,256.00 19,600.00 4,502.66 32,358.66 37,385.30 77,385.30	Amount (Php.)  5,180.88  11,252.88  17,340.00  45,026.64  Amount (Php.)

				K.2 Total Unit Cost - As Evaluated
521,847.44				2 Value Added Tax - As Evaluated .1 Total Unit Cost - As Submitted
24,849.88				
33,694.75				I.1 Contractor's Profit - As Submitted  I.2 Contractor's Profit - As Evaluated
42,118.44			aluated	H.1 Overhead, Contingencies & Miscellaneous (OCM) - As Submitted H.2 Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated
22.440				
421,184.37				G.1 Direct Unit Cost (E.1+F.1) - As Submitted
				F.2 Equipment
343,799.07				Sub-Total for F-1 As Submitted
448.00	56.00	8.00	pc	i. 2" PVC assorted Connector
462.00	77.00	6,00	pc	
305.00	305.00	1,00	2 2	g. 2" PVC series 1000
160.00	20.00	1.00	R	e, 1/Z" Assorted Connector  f 4" DVC series 1000
642.00	321.00	2,00	pc	
332.00	166.00	2.00	pc	Vices II
6,615.00	6,615,00	1.00	set	h layatory (include fifting & Accessories)
7 375 00	7 376 7	8	Sat I	
3,254.00	1,627.00	2.00	set	t. panel board (side main w/ braches)
217.00	31.00	7.00	8 8	s. electrical tape (big)
224.00	32.00	2.00	2 2	q. unity box
100.00	50.00	2,00	pc	1
200.00	100.00	2.00	pc	
180.00	18,00	10.00	p 2	n. 20mm dia. RSC Clamp
27.00	30.00	3,00	8 8	m 20mm dia RSC collaing
960.00	240.00	4.00	pc	k. 20mm dia. RSC Pipe
440.00	8.00	55.00	рс	j. 15mm dia. PVC Clamp
650,00	26.00	25.00	8 8	i. 15mm dia. PVC Elbow
1,460.00	73.00	20.00	8 8	g. 15mm dia PVC pipe
1,750.00	70.00	25.00	т	f. 8.00mm2 thw
10,800.00	3,600.00	3,00	roll	e. 3.5mm2 thw
510.00	170.00	3.00	8 8	d. two gang switch
100,00	50.00	2,00	DC DC	
5,150.00	1,030.00	5.00	set	770
2,000.00	100.00	0.00	r	X Electrical Works
650,00	65.00	10.00	- kg.	
550.00	110.00	5.00	ķ	1 1
13,500.00	450.00	30.00	pc.	b. Plywood, ordinary 1/4" x 4' x 8'
18 500 00	37 00	500 00	₩#	
500.00	250.00	2,00	F	
2,000.00	2.00	1000.00	pc.	d. Teckscrew 11/2"
378.00	189.00	2.00	ln.m.	
1.890.00	189.00	10.00	ln.m.	b. Pre-painted ridge roll ga 24, 0.60m width
23 100 00	420 00	55 00	S	12
2,655.00	531.00	5.00	gal.	I. Primer, Zinc Cromate
2,445.00	163.00	15.00	kg.	k. Welding Rod
360.00	36.00	10.00	Ŗ <u>₹</u>	j. 20mm dia. X 350 mm anchor bolts
380,00	38.00	15,00	5 6	n. Turilli dik batteri piate
1,175.00	47.00	25.00	ķ	g. 12mm thk base plate
2,360.00	118.00	20.00	pc.	
1,330.00	38.00	35.00	ko,	e. 16mm dia. Cross bracing
864.00	48,00	18.00	ķ.	d. Purlins C- 150 x 50 x 3mm.
12,000.00	48.00	100.00	5 6	p. 50 mm. x 50 mm. x 6 mm. Angle Bar
16,800.00	48.00	350.00	ķ	a. 65 mm. x 65 mm. x 6 mm. Angle _ur
				Wildings and the second of the

ELWICK P. ACUÑA Engineer II Prepared by:

Checked/Reviewed

### Construction of By-Pass and Diversit ds, Buenavista - Bolong Coastal Bypass Road (Lubigan - Mala Se Zamboanga City

Including Bridge, Zamboanga City

FORM-POW-2015-01D-00

Item No./Description

Unit of Measurement
Output per hour-As Submitted
Output per hour-As Evaluated : A.1.1(11)

Provision of Provision of Furnitures/Fixtures, Equipment and Appliances for the Field Office for the Field

1.00 L.S.

J.2 Value Add	L	1	I.2 Contracto	,	_	-			Sub-Total	T	Sub-Total	- 11	- 1	b. Water Bill	Lighting,	k, Deski	<ol> <li>j. Cellphone</li> </ol>	1 4	h. Dinin	y. Nicin			f. Vario	1	d. Doub	C. pillows		a. Electr	Office Eq	Motorials		E.2 Direct Uni	F.1 Direct Uni			上	<u></u>	B.2	Equipment	Sub-Total	B.1 Equipment		Sub-Total	A.2	_	Sub-Total	A.1 Labor		
Total Unit Cost - As Submitted	Value Added Tax - As Submitted  Value Added Tax - As Evaluated	led Tay - As Submitted	Contractor's Profit - As Evaluated	Contractor's Brofit - As Submitted	Overhead Contingencies & Miscellaneous (OCM) - As Subilitied	Direct Unit Cost (E.2+F.2) - As Evaluated	Direct Unit Cost (E.21.1.1) As Evaluated	t Cost (F.1+F.1) - As Submitted	Sub-Total for E-2 As Evaluated	Equipment	Sub-Total for F-1 As Submitted		LPG (11 kg)	Water Bill	Lighting/Water Fixtures	Desktop Computer	hone	Digital Camera	Dining Table	(Plates Spoons & Forks Glasses etc.)	Kitchenware	rolders, Bond Paper, Yellow Pads,		10 cups Rice Cooker	Double burner gas stoye (Gasul)	pillows w/ pillow cases, fitted sheets and blanket	Folding Beds, Good Quality	Electric Desk Fan	Office Equipment/Facilities & Supplies		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 Subilitied	Total (A.2+B.2) - As Evaluated	+B.1) - As Submitted	Sub-Total for B-2 As Evaluated		C	Sub-Total for B-1 As Submitted	t	Name and Capacity	Sub-Total for A-2 As Evaluated			Sub-Total for A-1 As Submitted		Designation	
				ludica	histed	mitted							mo.	mo.	3	set	set	set	set	F.3.	10		L.S.	unit	unit	each	each	unit			Unit											No. of Units						No. of Person/s	
													12.00	12.00	1200	1.00	4.00	2,00	1.00	T.00	100		1.00	1,00	1,00	2.00	2.00	2.00	-		Quantity											No. of Hour/s						No. of Hour/s	
													1,000.00	1.500.00	3,000,00	60,000.00	15,000.00	12,000.00	8,000.00	30,000.00	00 000 05		45,000.00	2,500.00	3,700,00	5,000.00	2,700.00	1,370.00			Unit Cost											Hourly Rate						Hourly Rate	
359,863.56	1/,136.36	17 136 36	23,307.20	٦٢ ٦٩٢ ٦٢			00.0Fc,/1c	00 UPE 2 IE			317,340.00		12,000.00	18.000.00	26 000 00	60,000.00	60,000.00	24,000.00	8,000.00	00,000,00	30,000,00		45,000.00	2,500.00	3,700,00	10,000.00	5,400.00	2,740.00			Amount (Php.)			1						,		Amount (Php.)						Amount (Php.)	

ELWICK P. ACUÑA Engineer II

Prepared by:

Checked/Reviewed

## Construction of By-Pass and Diversic ds, Buenavista - Bolong Coastal Bypass Road (Lubigan - Mala Se Zamboanga City

Including Bridge, Zamboanga City FORM-POW-2015-01D-00

Item No./Description

A.1.2(5) Operation and Maintenance of 4  $\times$  4 Pick-Up Type Service Vehicle for the Engineer 12.00 month

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

.. .. ..

1	and the same of th			Total Unit Cost - As Evaluated	K.2
208,257.00				Total Unit Cost - As Submitted	K.1
				Value Added Tax - As Evaluated	J.2
9,917.00				Value Added Tax - As Submitted	J.1
ा				Contractor's Profit - As Evaluated	I.2
:1				Contractor's Profit - As Submitted	1.1
r			luated	Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated	H.2
1			mitted	Overhead, Contingencies & Miscellaneous (OCM) - As Submitted	H.1
1				Direct Unit Cost (E.2+F.2) - As Evaluated	G.2
198,340.00				Direct Unit Cost (E.1+F.1) - As Submitted	G.1
				Sub-Total for F-2 As Evaluated	
					F.2
				Equipment	
198,340.00				Sub-Total for F-1 As Submitted	
30,000.00	30,000.00	1,00	L,S,	d. Miscellaneous	
16,740.00	16,740.00	1.00	L.S.	c. Engine Oil & Lubricants	
40,000.00	40,000.00	1.00	L.S.	b. Spare Parts	F.1
111,600.00	31,00	3,600.00	_	a. Diesel	
				Materials	
Amount (Php.)	Unit Cost	Quantity	Unit	Name and Specification	
				Direct Unit Cost (C.2 ÷ D.2) - As Evaluated	E.2
				Direct Unit Cost (C.1 ÷ D.1) - As Submitted	
				Output per Hour - As Evaluated	D.2
ı				Output per Hour - As Submitted	
				Total (A.2+B.2) - As Evaluated	C.2
168,793.20				Total (A.1+B.1) - As Submitted	C1
				Sub-Total for B-2 As Evaluated	
					В.2
				Equipment	
2				Sub-Total for B-1 As Submitted	
				Equipment	B.1
Amount (Php.)	Hourly Rate	No. of Hour/s	No. of Units	Name and Capacity	
				Sub-Total for A-2 As Evaluated	
				Participants.	A.2
				Labor	
168,793.20				Sub-Total for A-1 As Submitted	
168,793.20	58,61	2,880.00	1		A.1
				Labor	
Amount (Php.)	Hourly Rate	No. of Hour/s	No. of Person/s	Designation	

Prepared by

Engineer II

Checked/Reviewed

### ds, Buenavista - Bolong Coastal Bypass Road (Lubigan - Mala Ser Including Bridge, Zamboanga City

FORM-POW-2015-01D-00

Item No./Description

B.4(1)
Construction Survey & Staking
0.72 km.
0.04

. . . ..

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

				Total Unit Cost - As Evaluated	K.2
				Total Unit Cost - As Submitted	_
				Value Added Tax - As Evaluated	J.2
				Value Added Tax - As Submitted	L
				Contractor's Profit - As Evaluated	
				Contractor's Profit - As Submitted	
			luated	Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated	H.2
			mitted	Overhead, Contingencies & Miscellaneous (OCM) - As Submitted	H.1
				Direct Unit Cost (E.2+F.2) - As Evaluated	
				Direct Unit Cost (E.1+F.1) - As Submitted	$\vdash$
				Sub-Total for F-2 As Evaluated	
					F.2
				Equipment	
				Sub-Total for F-1 As Submitted	
23.00		100.00	p:	Miscellaneous 5% of Material Cost	
20.00		100.00	3 5.	b Blue Printing	F.1
30 00		30.00	3		
st	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	E.
				Output per Hour - As Evaluated	
				Output per Hour - As Submitted	
				Total (A.2+B.2) - As Evaluated	
				Total (A.1+B.1) - As Submitted	C.1
				Sub-Total for B-2 As Evaluated	
				Equipment	в.2
				Sub-Total for B-1 AS Submitted	
				Minor Tools 10% of Labor	
100.00		1	1	a. Total Station w/ Complete Accessories	B.1
				Equipment	
ite	Hourly Rate	No. of Hour/s	No. of Units	Name and Capacity	
				Sub-Total for A-2 As Evaluated	_
				Labor	A.2
				Sub-Total for A-1 As Submitted	
58.61		3	2	b. Skilled Laborer	
104.16		3	1	a. Geodetic Engineer	
				For Office Works	
45.16		1	ω	c. Unskilled Laborer	2
58.61		1	з	b. Skilled Laborer	>
104.16		1	1	a, Geodetic Engineer	
				For Field Works	
				Labor	
·б	Hourly Rate	No. of Hour/s	No. of Person/s	Designation	4)

ELWICK P. ACUNA Engineer II

Prepared by

Checked/Reviewed

### ds, Buenavista - Bolong Coastal Bypass Road (Lubigan - Mala Sec Tncluding Bridge, Zamboanga City Zamboanga City

FORM-POW-2015-01D-00

Item No./Description

B.5
Project Billboard/Signboard
2.00 each

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

7.7	Z.	J.2	J.1	1.2	I.1	H.2	H.1	G.2	G.1		F.2				F.1				E.2	E.1	D.2	D.1	C.2	C.1		B.2		B.1			A.2				A.1		
I otal 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	Edulatietic	Sub-Total for F-1 As Submitted	W. Pasoroka CW Walls	d Assorted CW Nails	18	a. Ordinary Plywood 1/2" thk. x 4' x 8'	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	Equipment	Name and Capacity	Sub-Total for A-2 As Evaluated	rapoi	Sub-Total for A-1 As Submitted		- 1		labor a. Foreman	Designation
						aluated	omitted		×				يَّ	ka	pc.	pc.		Unit											No. of Units				ļ	2	+	-	No. of Person/s
							Y						1,00	200.00	2,00	2.00		Quantity											No. of Hour/s					16	16	16	No. of Hour/s
													02100	37.00	1,000.00	750.00		Unit Cost											Hourly Rate				101.10	45 16	58.61	80.95	Hourly Rate
	9,081.87		432.47	t	586,40		733.00		7,330.00			7,330.00	130,00	3,700.00	2,000.00	1,500.00		Amount (Php.)				1	1	3,677.96					Amount (Php.)			3,677.96	4) 10:00	1 445 00	937.74	1.295.22	Amount (Php.)

ELWICK P. ACUÑA Engineer II

Prepared by:

Checked/Reviewed

### ds, Buenavista - Bolong Coastal Bypass Road (Lubigan - Mala Sec Tncluding Bridge, Zamboanga City Zamboanga City

FORM-POW-2015-01D-00

Item No./Description ...

B.7
Occupation Safety & Health
12.00 month

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

of Person/s No. of Hour/s	Hourly Rate	Amount
	1/s No. of Hour/s	No. of Hour/s Hourly Rate

				Total Unit Cost - As Evaluated	K.2
421,987.48				Total Unit Cost - As Submitted	K.1
				Value Added Tax - As Evaluated	J.2
20,094.64				Value Added Tax - As Submitted	J.1
				Contractor's Profit - As Evaluated	1.2
29,769.84				Contractor's Profit - As Submitted	1.1
			luated	Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated	H.2
			mitted	Overhead, Contingencies & Miscellaneous (OCM) - As Submitted	H.1
				Direct Unit Cost (E.2+F.2) - As Evaluated	
372,123.00				Direct Unit Cost (E.1+F.1) - As Submitted	
				Sub-Total for F-2 As Evaluated	
					F.2
				Equipment	
26,760.00				Sub-Total for F-1 As Submitted	
14,400.00	600.00	24.00	pc	d. Safety Hats	
2,400.00	100.00	24.00	pc	c. Rain Coats (Reinforced, Hip Length)	
360.00	15,00	24.00	pair	þ.	F.1
9,600.00	400.00	24.00	pair	a. Rubber Boots (Long w/ Steel Toe, Black)	
				Materials	
Amount (Php.)	Unit Cost	Quantity	Unit	Name and Specification	
				Direct Unit Cost (C.2 ÷ D.2) - As Evaluated	E.2
345,363.00				Direct Unit Cost (C.1 ÷ D.1) - As Submitted	E.1
				Output per Hour - As Evaluated	D.2
1				Output per Hour - As Submitted	D.1
1				Total (A.2+B.2) - As Evaluated	
345,363.00				Total (A.1+B.1) - As Submitted	C.1
				Sub-Total for B-2 As Evaluated	
				Equipment	В.2
90,000,00				Sub-lotal for B-1 AS Submitted	
60 000 00				C. h Tatal for B 1 A C. hmittad	
60,000.00				a. Warning Signs and Barricades	8,1
				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	
285,363.00				Sub-Total for A-1 As Submitted	
168,/93.20	58,61	2880.00	1	b, HIST Aider	
00.000	00.95	00.00FFT	-	٥	Α.Ε
116 660 00	00.05	4440 00		T	_
Amount (Php.)	Hourly Rate	No. of Hour/s	No. of Person/s	Designation	

Engineer II

Checked/Reviewed

### ds, Buenavista - Bolong Coastal Bypass Road (Lubigan - Mala Sec Including Bridge, Zamboanga City Zamboanga City

FORM-POW-2015-01D-00

Item No./Description

\*\*\* Mobilization & Demobilization
1.00 L.S.

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

.. .. ..

				Floral Officest - As Evaluated	7:7
1,077,843.27					 
1				_	J.2
51,325.87				L	J.1
1				Contractor's Profit - As Evaluated	I.2
69,594.40					I.1
I.			luated	Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated	H.2
86,993.00			mitted	Overhead, Contingencies & Miscellaneous	H.1
1				Direct Unit Cost (E.2+F.2) - As Evaluated	G.2
869,930.00				Direct Unit Cost (E.1+F.1) - As Submitted	G.1
				Sub-Total for F-2 As Evaluated	
				2	F.2
				Materials	
				Sub-Total for F-1 As Submitted	
				1 Materials	F.1
Amount (Php.)	Unit Cost	Quantity	Unit	Name and Specification	
					E.2
869,930.00					E.1
					D.2
ı				Output per Hour - As Submitted	D.1
1				Total (A.2+B.2) - As Evaluated	C.2
869,930.00				Total (A.1+B.1) - As Submitted	C.1
				Sub-Total for B-2 As Evaluated	
					В.2
				Equipment	
869,930.00				Sub-Total for B-1 As Submitted	
73,840.00	1,846.00	8	ц		
86,920.00	2,173.00	40	1	g. Grader	
83,184.00	1,733.00	48	1	f. Payloader	
68,160.00	1,420.00	48	4		
162,192,00	3,379.00	48	1	1 d. Bulldozer	B.1
73,776.00	1,537.00	48	2	c. Backhoe	
117,600.00	2,450.00	48	ш.	b. Water Truck	
204,258.00	4,255.38	48	м	a. Low Bed Trailer	
				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	T
1			-	Sub-Total for A-1 As Submitted	
				Labor	7
				ahor	<u> </u>
Amount (Php.)	Hourly Rate	No. of Hour/s	No. of Person/s	Designation	

ELWICK P. ACUÑA Engineer II

Prepared by:

Checked/Reviewed

### Construction of By-Pass and Diversio ds, Buenavista - Bolong Coastal Bypass Road (Lubigan - Maia Sec Zamboanga City

Including Bridge, Zamboanga City

FORM-POW-2015-01D-00

Item No./Description

Unit of Measurement
Output per hour-As Submitted
Output per hour-As Evaluated \*\* \*\* \*\* 102(1)
Unsuitable Excavation 8,683.00 cu.m. 20.00

1				Total Unit Cost - As Evaluated	K.2
296.64				Total Unit Cost - As Submitted	K.1
				Value Added Tax - As Evaluated	J.2
14.13				Value Added Tax - As Submitted	J.1
				Contractor's Profit - As Evaluated	1.2
19.15				Contractor's Profit - As Submitted	I.1
			luated	Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated	H.2
23.94			mitted	Overhead, Contingencies & Miscellaneous (OCM) - As Submitted	H.1
				Direct Unit Cost (E.2+F.2) - As Evaluated	G.2
239.42				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	
				Materials	F.1
Amount (Php.)	Unit Cost	Quantity	Unit	Name and Specification	
				Direct Unit Cost (C.2 ÷ D.2) - As Evaluated	E.2
239.42				Direct Unit Cost (C.1 ÷ D.1) - As Submitted	E.1
				Output per Hour - As Evaluated	D.2
20.00				Output per Hour - As Submitted	D.1
				Total (A.2+B.2) - As Evaluated	C.2
4,788.36				Total (A.1+B.1) - As Submitted	C.1
				Sub-Total for B-2 As Evaluated	
					į
					8.2
				Equipment	
4.571.94				Sub-Total for B-1 As Submitted	
21.64				Minor Tools 10% of Labor	
173.30	1,733.00	0.1	1	er (1	
1,537.00	1,537.00	1	н	b. Backhoe (0.80 cu.m.)	B.1
2,840.00	1,420.00	1	2	a. Dump Truck (12 cu.yd.)	}
				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	
216.42				Sub-Total for A-1 As Submitted	
135,47	45.16	1	ω	b. Unskilled Laborer	į
80.95	80.95	1	1	a. Foreman	<u> </u>
				Labor	
Amount (Php.)	Hourly Rate	No. of Hour/s	No. of Person/s	Designation	

ELWICK P. ACUÑA Engineer II

Prepared by

Checked/Reviewed

# Construction of By-Pass and Diversio ds, Buenavista - Bolong Coastal Bypass Road (Lubigan - Mala Sec Including Bridge, Zamboanga City Zamboanga City

FORM-POW-2015-01D-00

Item No./Description

: 103(2)a
Bridge Excavation, Common Soil
: 397.51 cu.m.
20.00

.. .. ..

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

K.2	<u></u>	J.2	J.1	I.2	1.1	7.17		=	G.2	G.1		F.2	٦ ي			F.1		E.2	E.1	D.2	D.1	C.2	C.1		B.2		T				D -				A.2					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	Overnead, contingencies & Miscellaneous (OCM) - As Evaluated	Overhead Continued & Miscellaneous (CGM) As Sushinked	Overhead, Contingencies & Miscellaneous (OCM) - As Sub	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		Equipment	Sub-Total for F-1 As Submitted	O. L. T. L. C. T. L. C.	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	Sub-Total for B-1 As Submitted	Minor Tools 10% of Labor	b. Backhoe (0.80 cu.m.)	a. Dump Truck (12 cu.yd.)	Equipment	Name and Capacity	Sub-Total for A-2 As Evaluated		Labor	Sub-Total for A-1 As Submitted	c. Unskilled Laborer			Labor	Designation
						iludied	Jimeaca .	mitted									Unit													<b>-</b>	2		No. of Units					2	۱ د	.  -		No. of Person/s
																	Quantity													۲	ı		No. of Hour/s					1	-	. ,_		No. of Hour/s
																	Unit Cost													1,537.00	1,420.00		Hourly Rate					45.16	10.00	80.95		Hourly Rate
	286.82	t	13.66	r	18,52		10:10	23.15	(1)	231.49				1			Amount (Php.)		231,49		20.00		4,629.86				4,399.99	4 200 00	22.99	1,537.00	2,840.00		Amount (Php.)				229.87	90.31	20,01	80.95		Amount (Php.)

ELWICK P. ACUÑA Engineer II

Prepared by:

Checked/Reviewed

# Construction of By-Pass and Diversio ds, Buenavista - Bolong Coastal Bypass Road (Lubigan - Mala Ser Including Bridge, Zamboanga City Zamboanga City

FORM-POW-2015-01D-00

Item No./Description

Unit of Measurement
Output per hour-As Submitted
Output per hour-As Evaluated .. .. .. 103(2)b
Bridge Excavation, Soft Rock
673.95 cu.m.
14.00

K.2				L		_	_	_	_	7.7	1	100	  21		E.1 [			C.2 7	_	(0)	В.2	1-		ما	13		B.1		m 1		101	A.2		(0)		_	A.1	_	- T	
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		Equipment	Sub-Total for F-1 As Submitted	Name and Specification Materials	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		Edalpurcie	For local to b 1 h3 Subilities	Sub-Total for R-1 As Submitted	Minor Tools 10% of Labor	b. Backhoe w/ Breaker (0.80 cu.m.)		a. Dump Truck (12 cu.yd.)	Equipment	Name and Capacity	Sub-Total for A-2 As Evaluated		Labor	Sub-Total for A-1 As Submitted	ני הנוטאווכת במהתיכו		- 1	a. Foreman	Labor	Designation
					aluated	bmitted							Unit													1	Д	2		No. of Units						١,	1	1		No. of Person/s
													Quantity											-		0.5	0.5	1		No. of Hour/s						-   -	-	1		No. of Hour/s
													Unit Cost													1,998.10	1,537.00	1,420.00		Hourly Rate					-0.10F	45 16	58.61	80.95		Hourly Rate
430.15	1	20.48	1	27.77	1	34.72	-	347.17					Amount (Php.)		347.17		14.00	1	4,860.41				7,000.77	4 630 54	22.99	999,05	768.50	2,840.00		Amount (Php.)				229.87	20,02	90 31	58.61	80.95		Amount (Php.)

ELWICK P. ACUÑA Engineer II

Prepared by:

Checked/Reviewed

Construction of By-Pass and Diversic vds, Buenavista - Bolong Coastal Bypass Road (Lubigan - Mala Se Including Bridge, Zamboanga City

Zamboanga City

FORM-POW-2015-01D-00

Item No./Description

104(1)a
Embankment from Roadway Excavation 7,786.00 cu.m.
50.00

.. .. ..

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

ELWICK P. ACUÑA Engineer II

Prepared by:

Checked/Reviewed

### ds, Buenavista - Bolong Coastal Bypass Road (Lubigan - Mala Se Zamboanga City

Including Bridge, Zamboanga City

FORM-POW-2015-01D-00

Item No./Description

Unit of Measurement
Output per hour-As Submitted
Output per hour-As Evaluated .. .. .. : 104(2)a Embankment from Borrow : 5,347.00 cu.m. : 50.00

				Total Unit Cost - As Evaluated	K.2
720.47				Total Unit Cost - As Submitted	?
11				Value Added Tax - As Evaluated	J.2
34.31				Value Added Tax - As Submitted	J.1
				Contractor's Profit - As Evaluated	1.2
46.52				Contractor's Profit - As Submitted	1.1
			aluated	Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated	H.2
58.15			bmitted	Overhead, Contingencies & Miscellaneous (OCM) - As Submitted	H.1
				Direct Unit Cost (E.2+F.2) - As Evaluated	G.2
581.49				Direct Unit Cost (E.1+F.1) - As Submitted	G.1
				Sub-Total for F-2 As Evaluated	
					F.2
				Materials	
485.44				Sub-Total for F-1 As Submitted	
				(with 25% wastage factor)	
485.44	388.35	1.25	cu.m.	a. Common Borrow	1
				Materials	n
Amount (Php.)	Unit Cost	Quantity	Unit	Name and Specification	
				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
				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	
					B.2
				Equipment	
i)corroc				Continued to the property of	
4 631 50				Sub-Total for R-1 As Submitted	
612.50	2,450.00	0.25	1	c. Water Truck/Pump (16000L)	
1,846.00	1,846.00	Ľ	ı	b. Vibratory Roller (10 mt), SD100C	į
2,173.00	2,173.00	1	<u>ь</u>	a. Motorized Road Grader (140 hp), G170A	
				Equipment	
Amount (Php.)	Hourly Rate	No. of Hour/s	No. of Units	Name and Capacity	
				Sub-Total for A-2 As Evaluated	
					A.2
				HISTORY OF THE PARTY OF THE PAR	,
				Labor	
171.26				Sub-Total for A-1 As Submitted	
					Same
90,31	45.16	ц	2		A.I
80.95	80.95	д	н	a. Foreman	>
				Labor	
Amount (Php.)	Hourly Rate	No. of Hour/s	No. of Person/s	Designation	

ELWICK P. ACUÑA Engineer II

Prepared by

Checked/Reviewed

FORM-POW-2015-01D-00

Item No./Description

. 104(5)
Boulder FIII
· 8,479,00 cu.m.
6.25 .. .. ..

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

				Total Unit Cost - As Evaluated  Total Unit Cost - As Submitted  Total Unit Cost - As Evaluated	<u>7.2</u>
				Value Added Tax - As Submitted	
				Contractor's Profit - As Evaluated	
				Contractor's Profit - As Submitted	
			luated	Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated	H.2
			mitted	Overhead, Contingencies & Miscellaneous (OCM) - As Submitted	
				Direct Unit Cost (E.2+F.2) - As Evaluated	G.2
				Direct Unit Cost (E.1+F.1) - As Submitted	
				Sub-Total for F-2 As Evaluated	
					F.2
				Materials	
				C.h. Total for E. 1. As C. hosithod	
1,462.10	1,4	1.05	cu.m.	a. Boulders (with 5% wastage factor)	F.1
	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	E.1
				Output per Hour - As Evaluated	-
				Output per Hour - As Submitted	D.1
				Total (A.2+B.2) - As Evaluated	C.2
				Total (A.1+B.1) - As Submitted	_
				Sub-Total for B-2 As Evaluated	
					В.2
				Edulpment	
				Sub-Total for B-1 As Submitted	
				Minor Tools 10% of Labor	
7.00	1,537.00	1	ř	a. Backhoe (0.80 cu.m.)	B,1
				Equipment	
	Hourly Rate	No. of Hour/s	No. of Units	Name and Capacity	
				Sub-Total for A-2 As Evaluated	
					A.2
				Labor	
				Sub-Total for A-1 As Submitted	
2.10		,	C	r. Clamica capara	
70.07		-  -	7 00		
00.93			J F	- 1	A.1
					_
	Hourly Rate	No. of Hour/s	No. of Person/s	Designation	

ELWICK P. ACUÑA Engineer II

Prepared by:

Checked/Reviewed

FORM-POW-2015-01D-00

Item No./Description

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

105(1)a Subgrade Preparation 1,215.80 cu.m. 300.00

K.1			_		I.1 Cc	H.2 0						F.2	3	Sı	1.1		E.2 Di	_				_	C.1 To	ટા	_	B.2	_	m l	SL	]:	, [5	B.1	, [m		SL	A.2	_	اها	SL	T	b.	a a	F I		
Total Unit Cost - As Submitted  Total Unit Cost - As Evaluated	Value Added Tax - As Evaluated	lue Added Text As Subillitied	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 Office Cost (Fig. 1.1) - No administrat	rect   Init Cost (E 1±E 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	that has House 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	. water it detyrainly (19900 L)			12.	Name and Capacity	Sub-Total for A-2 As Evaluated			Labor	Sub-Total for A-1 As Submitted		. Unskilled Laborer	, Foreman	Labor	Designation	
						luated	mitted									Unit														F	٠   ١		-	No. of Units							2	1		No. of Person/s	
																Quantity														0.23	27	-		No. of Hour/s							1	1		No. of Hour/s	
																Unit Cost														2,450.00	1,846,00	2,1/3.00	2 4 5 00	Hourly Rate							45.16	80.95		Hourly Rate	
19.84		0.94	0 94	ı	1.28	1	1,60	1	TO'OT	16.01						Amount (Php.)		16.01		300.00	300 00		4.802.76						4,631.50	02:210	1,846.00	2,1/3.00	2 4 2 2 0 0	Amount (Php.)					171.26		90.31	80.95		Amount (Php.)	

ELWICK P. ACUÑA Engineer II

Prepared by:

Checked/Reviewed

Item No./Description

Unit of Measurement
Output per hour-As Submitted
Output per hour-As Evaluated 200(1)
Aggregate Subbase Course
3,663.00 cu.m.
50.00

K.1 Tota	J.2 Valu	_			H.2 Ove		_		dus	F.2	Mat	Sub	T	F.1 a.	Mat		E.2 Dire			D.1 Out		C.1 Tota	dus	8.2	T	Equi	dus	5.	T	B 4		Sub	A.2	Labol	dus	b.	a [	labor	
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	(with 15% wastage factor)	Aggregate Subbase Course	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	Water Truck/Pump (16000 L)	b. Vibratory Roller (10 mt), SD100C	a. Motorized Road Grader (140 hp), G710A	Name and Capacity	Sub-Total for A-2 As Evaluated			Sub-Total for A-1 As Submitted	Unskilled Laborer	Foreman	A.	Designation
					aluated	bmitted								cu.m.		Unit												1	ı	1	No. of Units					2	Д.		No. of Person/s
														1.15		Quantity												0.25	1	ь	No. of Hour/s					1	-		No. of Hour/s
														1,042.10		Unit Cost												2,450.00	1,846.00	2,173.00	Hourly Rate					45.16	80.95		Hourly Rate
1,603.85	1	76.37	-	103.56	ŧ	129.45		1,294.47				1,198.42		1,198.42		Amount (Php.)		96.06		50,00	I.	4,802.76					4,631.50	612,50	1,846.00	2,173.00	Amount (Php.)				1/1.26	90,31	80.95		Amount (Php.)

ELWICK P. ACUÑA Engineer II

Prepared by:

Checked/Reviewed

vads, Buenavista - Bolong Coastal Bypass Road (Lubigan - Mala S ) Including Bridge, Zamboanga City
Zamboanga City

FORM-POW-2015-01D-00

Item No./Description

Unit of Measurement
Output per hour-As Submitted
Output per hour-As Evaluated .. .. .. 300(1) Gravel Surface Course 190.00 cu.m. 50.00

K.1 Total Unit Cos K.2 Total Unit Cos				I.1 Contractor's P	H.2 Overhead, Cor	H.1 Overhead, Cor		G.1 Direct Unit Co.	Sub-Total for I	F.2	Fauinment	Sub-Total for	П	F.1 a. Uncrushe	Materials	E.2 Direct Unit Co.			D'T Onhar bei 110						10	,,,		Total Equipment	Sub Equi	Sub Equ C. C. Sub	Sub C. D. B. B. Sub	Total Sub Sub	Sub Equ Sub	Sub	Sub		Sub	Sub   Equ   Sub   Dit   Sub	Sub   Equ   Sub   Sub	
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		÷	Sub-Total for F-1 As Submitted	(with 15% wastage factor)	Uncrushed Aggregate Surface Course	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	:) - AS Evaluated	N An Evishipted	Total (A.1+B.1) - As Submitted Total (A 2+B 2) - As Evaluated	Sub-Total for B-2 As Evaluated Total (A.1+B.1) - As Submitted Total (A 2+R 2) - As Evaluated	B-2 As Evaluated  ) - As Submitted	B-2 As Evaluated 1) - As Submitted	B-2 As Evaluated () - As Submitted	Sub-Total for B-1 As Submitted  Equipment  Equipment  Sub-Total for B-2 As Evaluated  Total (A.1+B.1) - As Submitted  Total (A.2+B.2) - As Evaluated	3-1 As Submitted  B-2 As Evaluated  ) - As Submitted	Vibratory Roller (10 mt), SD100C  Water Truck/Pump (16000 L)  -Total for B-1 As Submitted   pment	Motorized Road Grader (140 hp), G710A  Vibratory Roller (10 mt), SD100C  Water Truck/Pump (16000 L)  -Total for B-1 As Submitted  pment  [pment]  [pment]  Total for B-2 As Evaluated  [M.1+B.1) - As Submitted	Road Grader (140 hp), G710A Roller (10 mt), SD100C rck/Pump (16000 L) 3-1 As Submitted 3-1 As Submitted 3-1 As Submitted 3-1 As Submitted	Name and Capacity  Road Grader (140 hp), G710A  Roller (10 mt), SD100C  Lck/Pump (16000 L)  B-1 As Submitted  B-2 As Evaluated  D- As Evaluated  D- As Evaluated	Sub-Total for A-2 As Evaluated  Name and Capacity  Equipment  a. Motorized Road Grader (140 hp), G710A  b. Vibratory Roller (10 mt), SD100C  c. Water Truck/Pump (16000 L)  Sub-Total for B-1 As Submitted  Equipment  Sub-Total for B-2 As Evaluated  Total (A.1+B.1) - As Submitted  Total (A.2+B.2) - As Evaluated  Total (A.2+B.2) - As Evaluated	Name and Capacity  Name and Capacity  Road Grader (140 hp), G710A  Roller (10 mt), SD100C  ICK/Pump (16000 L)  B-1 As Submitted  D- As Submitted  D- As Submitted	Name and Capacity  Road Grader (140 hp), G710A  Roller (10 mt), SD100C  ck/Pump (16000 L)  B-1 As Submitted  3) - As Evaluated  1) - As Submitted	Name and Capacity  Name and Capacity  Road Grader (140 hp), G710A  Roller (10 mt), SD100C  Ick/Pump (16000 L)  B-1 As Submitted  D- As Submitted  D- As Submitted	Sub-Total for A-1 As Submitted  Labor  Sub-Total for A-2 As Evaluated  Name and Capacity  Equipment  a. Motorized Road Grader (140 hp), G710A  b. Vibratory Roller (10 mt), SD100C  c. Water Truck/Pump (16000 L)  Sub-Total for B-1 As Submitted  Equipment  Sub-Total for B-2 As Evaluated  Total (A.1+B.1) - As Submitted  Total (A.1+B.1) - As Submitted	1-1 As Submitted 1-2 As Evaluated Name and Capacity Road Grader (140 hp), G710A Roller (10 mt), SD100C Ick/Pump (16000 L) B-1 As Submitted D- As Submitted D- As Submitted	1-1 As Submitted 1-2 As Evaluated Name and Capacity Road Grader (140 hp), G710A Roller (10 mt), SD100C Ick/Pump (16000 L) B-1 As Submitted D- As Submitted  B-2 As Evaluated D- As Submitted	1-1 As Submitted 1-2 As Evaluated Name and Capacity Road Grader (140 hp), G710A Roller (10 mt), SD100C Ick/Pump (16000 L) B-1 As Submitted D- As Submitted  B-2 As Evaluated D- As Submitted
	-				valuated	Submitted								cu.m.	Unit															4 4	1 1 1	No. of Units  1 1 1 1	No. of Units  1 1 1 1	No. of Units 1 1 1	No. of Units  1 1 1 1	No. of Units  1 1 1 1	No. of Units	No. of Units	No. of Units	No. of Units
														1.15	Quantity													0.25	0.25	1 0.25	1 1 0.25	No. of Hour/s  1 1 0.25	No. of Hour/s  1 1 0.25	No. of Hour/s  1 1 0.25	No. of Hour/s  1 1 0.25	No. of Hour/s  1 1 0.25	No. of Hour/s  1 1 0.25	No. of Hour/s  1 1 0.25	1 1 No. of Hour/s 1 1 0.25	1 1 No. of Hour/s 1 1 0.25
														1,060.10	Unit Cost													2,450.00	1,846.00 2,450.00	2,173.00 1,846.00 2,450.00	2,173.00 1,846.00 2,450.00	Hourly Rate 2,173.00 1,846.00 2,450.00	Hourly Rate 2,173.00 1,846.00 2,450.00	Hourly Rate 2,173.00 1,846.00 2,450.00	Hourly Rate 2,173.00 1,846.00 2,450.00	Hourly Rate 2,173.00 1,846.00 2,450.00	Hourly Rate 2,173.00 1,846.00 2,450.00	45.16 Hourly Rate 2,173.00 1,846.00 2,450.00	80.95 45.16 45.16 Hourly Rate 2,173.00 1,846.00 2,450.00	80.95 45.16 Hourly Rate 2,173.00 1,846.00 2,450.00
1,629.50		77.60	1	105.21		131.52		1,315.17				1.219.12		1,219.12	Amount (Php.)		96,06		50.00		4,802.76						4,631.50	4,631.50	1,846.00 612.50 4,631.50	2,173.00 1,846.00 612.50 4,631.50	2,173.00 1,846.00 612.50 4,631.50	Amount (Php.) 2,173.00 1,846.00 612.50 4,631.50	Amount (Php.) 2,173.00 1,846.00 612.50 4,631.50	Amount (Php.) 2,173.00 1,846.00 612.50 4,631.50	Amount (Php.) 2,173.00 1,846.00 612.50 4,631.50	Amount (Php.)  2,173.00 1,846.00 612.50 4,631.50	171.26 Amount (Php.) 2,173.00 1,846.00 612.50 4,631.50	90.31 171.26 Amount (Php.) 2,173.00 1,846.00 612.50 4,631.50	80.95 90.31 171.26 171.26 Amount (Php.) 2,173.00 1,846.00 612.50 4,631.50	80.95 90.31 171.26 171.26 2,173.00 1,846.00 612.50 4,631.50

ELWICK P. ACUÑA Engineer II

Checked/Reviewed

# Construction of By-Pass and Diversiv 1ds, Buenavista - Bolong Coastal Bypass Road (Lubigan - Mala Se Zamboanga City

FORM-POW-2015-01D-00

Item No./Description

: 311(1)e1
Portland Cement Concrete Pavement
: 4,356.00 sq.m.
: 57.50

.. .. ..

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

				- 1	
2) = 10100				-	2
2 246 65				Total I loit Cost - As Evaluated	7.7
106.98					1 1.1
				┸	1.2
145.06					1.1
			luated		H.2
181.33			mitted	Overhead, Contingencies & Miscellaneous (OCM) - As Submitted	H.1
					G.2
1,813.28				1 Direct Unit Cost (E.1+F.1) - As Submitted	G.1
				Sub-Total for F-2 As Evaluated	
				_	F.2
				Materials	T
1,588,99				Sub-Total for F-1 As Submitted	
0.88	712.50	0.0078	-	j. Grease/Tar	
0.48	147.60	0.0078	-   3.	i. Pipe Sieeve, 2" dia.	
0.38	2,500.00	CTUUU.U	P.C.	n. concrete saw (Diamond Biade 14" dia,)	
813.96	306,00	2.66	bag		
437.39	1,562.10	0.28	cu.m.	1	
2/1.36	1,/62.10	0.154	cu.m.	0	7,
18,40	40.00	0.46	m.	P	1
1/.00	100.00	0.1/	-		
10.15	35.00	0.29	-		
19.00	38.00	0.50	- kg.		
		1		(3)	
Amount (Php.)	Unit Cost	Quantity	Unit	Name and Specification	
				Direct Unit Cost (C.2 ÷ D.2) - As Evaluated	E.2
224.29				_	E.i
				2 Output per Hour - As Evaluated	D.2
57.50					D.1
1				Total (A.2+B.2) -	C.2
12,896.73					0.1
				Sub-Total for B-2 As Evaluated	1
				Equipment	В.2
12,039.47				Sub-Total for B-1 AS Subilificed	I
12 020 47				Sub-Total for B.1 As Submitted	
42.86				Mnor Tools 5% of Labor	
21.98	219.75	0.1	1	tter, S	
32,63	32,63	1	1	g. Concrete Saw (7.5 hp), 14" Blade dia.	
2,450.00	2,450.00	1	1	f. Water Truck/Pump (16000 L)	
545,00	545,00	Ľ	Н	<u>e</u>	D. L
1,733.00	1,733.00	1	н	d.	0
1,759.50	1,759.50	1	н	- 1	
182 50	91 25	٠,	3	- 1	
5.272.00	1.318.00	-	4	a. Transit Mixer (5 cu.m.)	
Amount (Php.)	Hourly Rate	No. of Hour/s	No. of Units	Name and Capacity	
				Sub-Total for A-2 As Evaluated	
				2 Labor	A.2
85/.26				Sub-local for A-1 As Submitted	
				C. Harris C. A. A. C.	
541.88	45.16	1	12		
234,44	58.61	1	4	b.	A.L
80.95	80.95	H	1		>
				Labor	
Amount (Php.)	Hourly Rate	No. of Hour/s	No. of Person/s	Designation	

Prepared by

Engineer II

Checked/Reviewed

### rds, Buenavista - Bolong Coastal Bypass Road (Lubigan - Mala Se Zamboanga City

Including Bridge, Zamboanga City

FORM-POW-2015-01D-00

Item No./Description

400(1)a1 Precast Concrete Piles, furnished (400 mm  $\times$  400 mm) 1,760.00 m. 2.50

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

					K.2
4,419.36				Total Unit Cost - As Submitted	<u></u>
210.45					1,1
				_	I.2
285,35					1.1
248			luated		H.2
356.69			omitted	-	H.1
3,300,88				Direct Unit Cost (E.2+F.2) - As Sublinitied	3 1
3 256 38					5
				_	F.2
				2	1
2,841.15				İ	
62.53	1,042.10	0.06	cu.m.		
37.00	37.00	1.00	bd.ft.		
126.00	4,200.00	0.03	cu.m.	a. Ready Mix Concrete, Class "B"	
				Casting Bed	
10,00	00,00	21.00	ě	1. Upporter Cassa (* 1897 too parity of Parity of	
10.60	4,100.00	0.163	5 5	. j	į
73 70	1 100 00	890.0	P. Parit	5 5	T .
199 33	1300 t	15 333	H N.	d Coco Lumber	
01.755,1	100.00	008.0	Ş	p. Reliilording Steel Bdi	
1 537 10	00.002/1	40 45	ca.ill.	- 1	
714.00	4 250 00	0 17	2	122	
Amount (Php.)	Unit Cost	Quantity	Unit	Name and Specification	
9,552					i
, 10,70					F 2
725 73				Direct Unit Cost (C 1 ÷ D 1) - As Submitted	1 7.7
2.50					D.1
1				Total (A.2+B.2) - /	C.2
1,814.31					C.1
				Sub-Total for B-2 As Evaluated	
				2	B.2
				Edulpinone	
1,157,10				Sub-Total for B-1 As Subilitized	
1 137 60				Sub-Total for B-1 As Submitted	
67.66				Minor Tools 10% of Labor Cost	
61.53	219./5	82.0		100	
98.42	351.50	0.28	<u></u>	d. Bar Bender	
34.44	123.00	0.28	1	C.	B.1
9.13	91.25	0.1	1	b. Concrete Vibrator	
866.50	1,733.00	0.5	1	a. Payloader (1.50 cu.m.), LX80-2C	
Amount (Php.)	Hourly Rate	No. of Hour/s	No. of Units	Name and Capacity	
				Sub-Total for A-2 As Evaluated	I
				Sub-Total for A-2 As Evaluated	
				2	A.2
				Section 2.	
0,000				Labor	
676.64				Sub-Total for A-1 As Submitted	
361.25	45.16	1	8	b. Unskilled Laborer	
234,44	58.61	-	4	b.	ì
80.95	80.95	1	1	ē	<u> </u>
				Labor	
Amount (Php.)	Hourly Rate	No. of Hour/s	No. of Person/s	Designation	

ELWICK P. ACUÑA Engineer II

Prepared by

Checked/Reviewed

## oads, Buenavista - Bolong Coastal Bypass Road (Lubigan - Mala 🤄 )) Including Bridge, Zamboanga City Zamboanga City

FORM-POW-2015-01D-00

Item No./Description

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

: 400(6)
Structural Steel Sheet Piles, furnished
: 1,134.00 kg.
: 72.00

				)	
2/002:20				Total Unit Cost - As Submitted	Z ?
3 DS 2 S				Total Unit Cost - As Evaluated	7.7
				Value Added Tay - As Evaluated	3
146.83				Value Added Tax - As Submitted	3.1
1				Contractor's Profit - As Evaluated	1.2
199.09				Contractor's Profit - As Submitted	I.1
1			luated	Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated	H.2
248.86			mitted	Overhead, Contingencies & Miscellaneous (OCM) - As Submitted	H.1
1				Direct Unit Cost (E.2+F.2) - As Evaluated	G.2
2,488.60				Direct Unit Cost (E.1+F.1) - As Submitted	G.1
				Sub-Total for F-2 As Evaluated	
					7.7
				videri als	l )
2,170:00				Sub-Total for F-1 As Subillities	
2 448 00				C.h Total for E 1 As Calmittad	
48.00				Miscellaneous 2% of Materials Cost	7
2,400.00	50.00	48.00	ķ	a. Steel Sheet Pile KSP II (delivered at site)	1
				Materials	
Amount (Php.)	Unit Cost	Quantity	Unit	Name and Specification	
				Direct Unit Cost (C.2 ÷ D.2) - As Evaluated	E.2
40.60			30	Direct Unit Cost (C.1 ÷ D.1) - As Submitted	E.1
				Output per Hour - As Evaluated	D.2
72.00				Output per Hour - As Submitted	D.1
1				Total (A.2+B.2) - As Evaluated	C.2
2,923.33				Total (A.1+B.1) - As Submitted	C.1
				Sub-Total for B-2 As Evaluated	
					8.2
					l I
				Equipment	
2,634.85				Sub-Total for B-1 As Submitted	
28.85				Minor Tools 10% of Labor Cost	
2,606.00	2,606.00	1	1	Moun	B.
				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	1	2		
117.22	58,61	1	2	- 1	A.1
80.95	80.95	1	1	a. Foreman	
				Labor	
Amount (Php.)	Hourly Rate	No. of Hour/s	No. of Person/s	Designation	

Engineer II

Prepared by:

Checked/Reviewed

### ads, Buenavista - Bolong Coastal Bypass Road (Lubigan - Mala So Zamboanga City

Including Bridge, Zamboanga City

FORM-POW-2015-01D-00

Item No./Description ••

400(12)
Structural Steel Sheet Piles, driven
: 756.00 kg.
: 10.00

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

1				Total Unit Cost - As Evaluated	7.2
1,218.52				Total Unit Cost - As Submitted	S S
				Value Added Tax - As Evaluated	J.2
58.02				Value Added Tax - As Submitted	J.1
•				Contractor's Profit - As Evaluated	I.2
78.68				Contractor's Profit - As Submitted	I.1
1			luated	Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated	H.2
98.35			omitted	Overhead, Contingencies & Miscellaneous (OCM) - As Submitted	H.1
1				Direct Unit Cost (E.2+F.2) - As Evaluated	G.2
983.47				Direct Unit Cost (E.1+F.1) - As Submitted	G.1
				Sub-Total for F-2 As Evaluated	
					F.2
				_	1
				Materials	
82.48				Sub-Total for F-1 As Submitted	
70.1				Miscellal leous 2% of Material Cost	
1 63	05,00	20.02	Ng.	CVV	
1 30	92.00 T2.00	1.33	מיור.	10	
30.45	330.00	0.10	Z.	15	7
24.60	2,300.00	0.0090	SEL	į.	?
3,91	2 500 00	0.006	Kg.		
				122 1	
Amount (Php.)	Unit Cost	Quantity	Unit	Name and Specification	
				Direct Unit Cost (C.2 ÷ D.2) - As Evaluated	E.2
900.99				Direct Unit Cost (C.1 ÷ D.1) - As Submitted	E,1
				Output per Hour - As Evaluated	D.2
10.00				Output per Hour - As Submitted	D.1
-				Total (A.2+B.2) - As Evaluated	C2
9.009.89				Total (A.1+B.1) - As Submitted	2
				Cub. Total for B-2 As Evaluated	
					В.2
				Equipment	
8,306,35				Sub-Total for B-1 As Submitted	
/0.35				Minor loois 10% of Labor Cost	
70.75	45,45	0.5	-	Cun	
391.00	391.00	2	.		
2,147.27	2,147.27	<u> </u>	1		B.1
3,069.00	3,069.00	1	1	b. Vibro Hammer (272.22 hp)	
2,606.00	2,606.00	1	1	a. Truck Mounted Crane (41 - 45 mt)	
Amount (Php.)	Hourly Rate	No. of Hour/s	No. of Units	Name and Capacity	
				Sub-Total for A-2 As Evaluated	
					7.1
					) J
				Labor	
703.54				Sub-Total for A-1 As Submitted	
270.94	45.16	1	6	b. Unskilled Laborer	
351.65	58.61	1	6	b. Skilled Laborer	7.1
80.95	80.95	1	1	a. Foreman	<u> </u>
				Labor	
Amount (Php.)	Hourly Rate	No. of Hour/s	No. of Person/s	Designation	

ELWICK P. ACUÑA Engineer II

Prepared by:

Checked/Reviewed

vads, Buenavista - Bolong Coastal Bypass Road (Lubigan - Mala S ) Including Bridge, Zamboanga City
Zamboanga City

FORM-POW-2015-01D-00

Item No./Description \*\*

400(14)
Precast Concrete Piles, driven (soft strata)
1,672.00 m.
2.40

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

		In Italian Added Tax - As Evaluated     In Italian Italia
		I.1   Contractor's Profit - As Submitted I.2   Contractor's Profit - As Evaluated
	aluated	1.50
	bmitted	G.2 Direct Unit Cost (E.2+F.2) - As Evaluated H.1 Overhead, Contingencies & Miscellaneous (OCM) - As Submitted
		City Total for E.3 As Evaluated
		Materials
		Sub-Total for F-1 As Submitted
	$\frac{\parallel}{\parallel}$	Miscellaneous 2% of Material Cost
2,500.00	set 0.01	d. Oxy/Acetylene
	-	1
0 350.00	m. 1.00	Materials  a. Coco Logs - 2 uses
tity Unit Cost	Unit Quantity	Name and Specification
		E.2 Direct Unit Cost (C.2 ÷ D.2) - As Evaluated
		D.2 Output per Hour - As Submitted D.2 Output per Hour - As Evaluated
		C.1 Total (A.1+B.1) - As Submitted
		B.2
		Sub-Total for B-1 As Submitted  Equipment
		Minor Tools 10% of Labor Cost
965,00	1 0.20	pres
	2 0.20	e. Jack Hammer
	1	180
1,286.00	1 0.13	c. Drop Hammer
	-	
our/s Hourly Rate	No. of Units No. of Hour/s	Name and Capacity
		Sub-Total for A-2 As Evaluated
		A.2
		Labor
		Sub-Total for A-1 As Submitted
10.10		- 10
58.61	6	b. Unskilled Laborer
80.95		A.1 a. Foreman
		Labor
our/s Hourly Rate	No. of Person/s No. of Hour/s	Designation

ELWICK P. ACUÑA Engineer II

Prepared by:

Checked/Reviewed

### ads, Buenavista - Bolong Coastal Bypass Road (Lubigan - Mala S Zamboanga City

) Including Bridge, Zamboanga City

FORM-POW-2015-01D-00

Item No./Description

400(16)a Test Piles, furnished and driven 80.00 m. 2.40

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

				2	- 1
o)osocio				Total Unit Cost - As Evaluated	2
5 313 75				Total   Init Cost - As Evaluated	X 1.
253,04				Value Added Tax As Submitted	1 1
				Contractor's Profit - As Evaluated	
343.10				Contractor's Profit - As Submitted	
			As Evaluated	laneous (OCM) -	,,
428.87			mitted	(OCM) -	$\perp$
				Direct Unit Cost (E.2+F.2) - As Evaluated	G.2
4,288,74				Direct Unit Cost (E.1+F.1) - As Submitted	
				Sub-Total for F-2 As Evaluated	
					F.2
				Materials	
3,126.08				Sub-Total for F-1 As Submitted	
11.88				Miscellaneous 2% of Material Cost	
2,520.00	2,520.00	1.00	m.	e. Fabricated RC Pile (delivered at site)	
25.00	2,500.00	0.01	set	d. Oxy/Acetylene	
11.20	70.00	0.16	kg.		F.1
208.00	13.00	16.00	bd.ft.		
350.00	350,00	2.00	я.	a. Coco Logs - 2 uses	
Amount (Php.)	Unit Cost	Quantity	Unit	Name and Specification	
				Direct Unit Cost (C.2 ÷ D.2) - As Evaluated	
1,162.66				Direct Unit Cost (C.1 ÷ D.1) - As Submitted	
				Output per Hour - As Evaluated	D.2
2.40				Output per Hour - As Submitted	_
2,/90.39				Total (A 2+B 2) - As Subilitied	SE
2 200 20				Total (A 1   B 1) As Evaluated	_
				Sub-Total for B-2 As Evaluated	
					B.2
				Equipment	
2,086.84				Sub-Total for B-1 As Submitted	
70.35				Minor Tools 10% of Labor Cost	
193.00	965,00	0.20	н	- 1	
60.00	150.00	0.20	2	- 1	
9,09	45.45	0.20	1	- 1	B.1
26.00	200.00	0.13	4	c. Drop Hammer	
347 22	1 286 00	0.33	٠,		
1 281 18	00 303 C	0.53	-	<u> </u>	
Amount (Php.)	Hourly Rate	No. of Hour/s	No. of Units	Name and Capacity	
				Sub-Total for A-2 As Evaluated	
					A.2
				Labor	
/03.54				Sub-10tal lot A-1 As Subflitted	T
				C.b Total for A 4 As C. booking	
270.94	45,16	1	6		
351,65	58.61	1	6	b. Skilled Laborer	<b>A.</b>
80,95	80.95	ц	1	a. Foreman	`
				Labor	_
Amount (Php.)	Hourly Rate	No. of Hour/s	No. of Person/s	Designation	

ELWICK P. ACUÑA Engineer II

Prepared by

Checked/Reviewed

## nads, Buenavista - Bolong Coastal Bypass Road (Lubigan - Mala S...) Including Bridge, Zamboanga City Zamboanga City

FORM-POW-2015-01D-00

Item No./Description

Unit of Measurement
Output per hour-As Submitted
Output per hour-As Evaluated 401(2)a Concrete Railing 179.96 m. 0.88

				2	
rolucion				Total Unit Cost - As Evaluated	2
16 106 81				Total I Init Cost - As Cydiudied	K 1
/00.99				Value Added Tax As Submitted	1,1
				Contractor's Profit - As Evaluated	I.2
1,039.99					_
			Evaluated	Overhead, Contingencies & Miscellaneous (OCM) - As Evi	H.2
1,299.98			omitted	Overhead, Contingencies & Miscellaneous (OCM) - As Submitted	H.1
1				Direct Unit Cost (E.2+F.2) - As Evaluated	G.2
12,999,84				Direct Unit Cost (E.1+F.1) - As Submitted	G.1
				Sub-Total for E-2 As Evaluated	
					F.2
				Materials	
12,073.60				Sub-Total for F-1 As Submitted	
236.74	rjonoico			Miscellaneous 2% of Material Cost	
2 520.00	2 520.00	1.00	5 4		
100.00	100.00	1.00	\$ 4		
65.00	00 39	100	Duit	٩	-
43.73	020.00	0.10	pc.	- 5	1
42.72	36,00	TO:00	RG.		
8,500.00	00.002,4	2.00	cu.m.		
0 500 00	4 350 00	3	3	122	
Amount (Php.)	Unit Cost	Quantity	Unit	Name and Specification	
0.00.00				Direct Unit Cost (C.2 ÷ D.2) - As Evaluated	
926 24				Direct Unit Cost (C.1 ÷ D.1) - As Submitted	_
0,88				Output per Hour - As Submitted	2 12
				Total (A.2+B.2) - As Evaluated	_
815.09				Total (A.1+B.1) - As Submitted	0.1
				Sub-Total for B-2 As Evaluated	_
					В.2
				Equipment	
138.46				Sub-Total for B-1 As Submitted	
67.60				Minor loois 10% of Labor Cost	
4,55	45.45	01.0	1	Cuti	
35.15	351.50	0.10			
21.98	219.75	0.10	ь	Þ.	B.
9.13	91.25	0.10	1	a. Concrete Vibrator	
				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	
				Lahor	I
676.64				Sub-Total for A-1 As Submitted	
361,25	45.16	1	æ	b. Unskilled Laborer	
234,44	58.61	.	4 0	b	
80.95	80.95	1	1	T	A.1
				Labor	
Amount (Pnp.)	Hourly Kate	No. of Hour/s	No. or Person/s	Designation	
A (Phys.)	Harrida Daka	ماسيما عم ماه	Nin of Domonio	Pariameter	- 0

ELWICK P. ACUÑA Engineer II

Prepared by

Checked/Reviewed

## toads, Buenavista - Bolong Coastal Bypass Road (Lubigan - Mala n) Including Bridge, Zamboanga City Zamboanga City

FORM-POW-2015-01D-00

Item No./Description

Unit of Measurement
Output per hour-As Submitted
Output per hour-As Evaluated .. .. .. 402(1) Timber Structure 14.00 span 0.125

2,978.04 - 62,538.79				Total Unit Cost - As Evaluated	2
2,978.04				וויטיפו טווור כיסיר - אס סמטוווויניכט	7.1
2,978.04				Tatal Hait Cost - As Evaluated	V. Z
2020 0				Value Added Texas As Submitted	1 L
1				Contractor's Profit - As Evaluated	1.2
4,038.02				Contractor's Profit - As Submitted	I.1
ı			luated	Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated	H.2
5,047.52			mitted	Overhead, Contingencies & Miscellaneous (OCM) - As Submitted	H.1
				Direct Unit Cost (E.2+F.2) - As Evaluated	G.2
50,475.21				Direct Unit Cost (E.1+F.1) - As Submitted	G.1
				Sub-Total for F-2 As Evaluated	
					F.2
				Materials	
12,940.05				Sub-Total for F-1 As Submitted	
1,020:25	7 3:00	±0./±	PC.	c. 43 Hill dig. 7 300 Hilli Sections	
1 028 25	75 00	13.71	3	e 25 mm dia X 500 mm Steel Bars	
11.92	25.00	1.43	pc.	d. 25 mm dia. X 40 mm dia. Mach. Bolts	
396.93	520.00	2.29	pc.		F.1
4,642.95	650.00	7.143	pc.		
6.860.00	1.000.00	6.86	DC.	Materials a. Coco Trunks	
Amount (Php.)	Unit Cost	Quantity	Unit	Name and Specification	
				Direct Unit Cost (C. Z ÷ D.Z) - As Evaluated	E.2
37,535.16				Direct Unit Cost (C.1 ÷ D.1) - As Submitted	E.I
				Output per Hour - As Evaluated	D.2
0.13				Output per Hour - As Submitted	D.1
				Total (A.2+B.2) - As Evaluated	C.2
4,691,90				Total (A.1+B.1) - As Submitted	C.1
				Sub-Total for B-2 As Evaluated	
					B.2
				Edublicit	
3,988.35				Sub-Total for B-1 AS Submitted	
2 000 25				Sub-Total for B-1 As Submitted	
70.35				Minor Tools 10% of Labor Cost	
1,212.00	1,212.00	0.50	2	c. Cargo Truck	Ç
2,505.00	2,600.00	1.00		<u>ء</u>	D .
	2000	8			
Amount (Php.)	Hourly Rate	No. of Hour/s	No. of Units	Name and Capacity	
				Sub-Total for A-2 As Evaluated	
					i
					A.2
				Labor	
703.54				Sub-Total for A-1 As Submitted	
2/0.94	45.16	1	ō	b. Unskilled Laborer	
351,65	58.61	-	6	1	
80.95	80.95	Д.	1	· a	A.1
				Labor	
Amount (Php.)	Hourly Rate	No. of Hour/s	No. of Person/s	Designation	

ELWICK P. ACUÑA Engineer II

Prepared by

Checked/Reviewed

## oads, Buenavista - Bolong Coastal Bypass Road (Lubigan - Mala : 1) Including Bridge, Zamboanga City Zamboanga City

FORM-POW-2015-01D-00

Item No./Description

404(1)a Reinforcing Steel, Grade 40 5,165.02 kg. 180.00

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

					L
				Total Unit Cost - As Evaluated	
50.60				Total Unit Cost - As Evaluated	7.2
69.7				Value Added Tax As Sublifitied	L
2 00				Value Added Tay - As Submitted	$\perp$
3.92				Contractor's Profit - As Sublineed	3 =
			luated	Overnead, Conungencies & Miscellaneous (OCM) - As Evaluated	1
4.90			mitted	Overhead, Contingencies & Miscellaneous (OCM) - As Submitted	
1				Direct Unit Cost (E.2+F.2) - As Evaluated	
48.97				Direct Unit Cost (E.1+F.1) - As Submitted	
				Sub-Total for F-2 As Evaluated	_
					F.2
				Materials	
42.00				Sub-Total for F-1 As Submitted	
				3-7	
			9	- 1	
39.90	38.00	1.05	kg.		FL
2 10	100.00	0.021	ko.	a. Tie Wire (2% of RSB)	li N
Amount (Php.)	Unit Cost	Quantity	Unit	Name and Specification	
				Direct Unit Cost (C,2 $\div$ D,2) - As Evaluated	E.2
6.97				Direct Unit Cost (C.1 ÷ D.1) - As Submitted	
				Output per Hour - As Evaluated	
180,00				Output per Hour - As Submitted	
r				Total (A.2+B.2) - As Evaluated	C.2
1,255.14				Total (A.1+B.1) - As Submitted	C.1
				Sub-Total for B-2 As Evaluated	
					B.2
				Equipment	- 80.4
695,73				Sub-Total for B-1 As Submitted	
175.75	351.50	0.50	1	d. Bar Bender	20.00
109.88	219.75	0.50	Д	c. Bar Cutter	24.5.5
181.80	1,212.00	0.15	<u>н</u>		B.1
228.30	1,522.00	0.15	Ľ	a. Service Crane (21 - 25 mt.)	
				Equipment	
Amount (Php.)	Hourly Rate	No. of Hour/s	No, of Units	Name and Capacity	
				Sub-Total for A-2 As Evaluated	
					1.1
					<u>&gt;</u>
				Labor	
559.42				Sub-Total for A-1 As Submitted	
361.25	45.16	-	8	b. Unskilled Laborer	
117.22	58.61	1	2		
80.95	80.95	1	1		A.1
				Labor	
Amount (Php.)	Hourly Rate	No. of Hour/s	No. of Person/s	Designation	

Engineer II

Prepared by:

Checked/Reviewed

vads, Buenavista - Bolong Coastal Bypass Road (Lubigan - Mala Sc ) Including Bridge, Zamboanga City
Zamboanga City

FORM-POW-2015-01D-00

Item No./Description

404(1)b Reinforcing Steel, Grade 60 126,639,64 kg. 180.00

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

		2000			
				Total Unit Cost - As Evaluated	K.2
63.28				Total Unit Cost - As Submitted	
				Value Added Tay - As Subilitized	1,1
3 01				Value Added Tay - As Evaluated	
7,05				Contractor's Profit - As Submitted	L
			indica	Controlled, Collingerides & Miscellarieous (Och) - As Evaluated	1
11.6			hinted	Overhead, Contingencies & Miscellaneous (OCM) - As Submitted	
			Had	Direct Unit Cost (E.2+F.2) - As Evaluated	
51.07				Direct Unit Cost (E.1+F.1) - As Submitted	
				Sub-lotal for F-2 AS Evaluated	_
				Och Total for E 2 As Evaluated	
					F.2
				Materials	
44.10				Sub-Total for F-1 As Submitted	
				(with 5% wastage)	
42.00	40,00	1.05	kg.	b. Reinforcing Steel Bar	
2.10	100.00	0.021	kg.	a. Tie Wire (2% of RSB)	Fi
				Materials	
Amount (Php.)	Unit Cost	Quantity	Unit	Name and Specification	
				Direct Unit Cost (C.2 ÷ D.2) - As Evaluated	$\Box$
6,97				Direct Unit Cost (C.1 ÷ D.1) - As Submitted	
				Output per Hour - As Evaluated	
180.00				Output per Hour - As Submitted	
				Total (A.2+B.2) - As Evaluated	C.2
1,255.14				Total (A.1+B.1) - As Submitted	_
				Sub-Total for B-2 As Evaluated	
					В.2
				Equipment	
695.73				Sub-Total for B-1 As Submitted	
175.75	351.50	0.50	1	d. Bar Bender	
109.88	219.75	0.50	1	c. Bar Cutter	
181.80	1,212.00	0.15	1	b. Cargo Truck (9 - 10 mt.)	B.1
228.30	1,522.00	0.15	1	a. Service Crane (21 - 25 mt.)	_
A THE RESERVE THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED				Equipment	
Amount (Php.)	Hourly Rate	No. of Hour/s	No. of Units	Name and Capacity	
				Sub-Total for A-2 As Evaluated	
					A.2
					<b>,</b>
				Labor	_
559,42				Sub-Total for A-1 As Submitted	
301.25	45.10	-	α	D. Unskilled Laborer	
117.22	58,61		2		
80,95	80.95	.   -	ין נ	a. Foreman	A.1
				Labor	
Amount (Php.)	Hourly Rate	No. of Hour/s	No. of Person/s	Designation	
		_			_

ELWICK P. ACUÑA Engineer II

Prepared by:

Checked/Reviewed

vads, Buenavista - Bolong Coastal Bypass Road (Lubigan - Mala Sr ) Including Bridge, Zamboanga City
Zamboanga City

FORM-POW-2015-01D-00

Item No./Description

405(1)b2 Structural Concrete, Class "A" 752.84 cu.m. 10.00

. . . .

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

K.2 1	<u></u>		J.1 V				H.1	_	G.1 [	-	F.2	7	(n)	_			_	F.1 -	_	_	ובו			_	D.2		C <sub>2</sub>		ر د د	_	(0)	_	_	_	B.1	T		m l		10	A.2		(0)				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		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	· camy compound	f Curing Compound	- 13	e Sand	C. ASSOTED CVVN	1		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	T. Crawler Craile W/ Bucket (36 - 40 Mt.)	e. Water Iruck/Pump (16000 L)		c. Batching Plant (30 cu.m.)	b. Concrete Vibrator	a. Transit Mixer (5 cu.m.)	Equipment	Name and Capacity	Sub-Total for A-2 As Evaluated		Labor	Sub-Total for A-1 As Submitted	b. Unskilled Laborer	100	a. Foreman	2			a. Foreman	Labor	Designation
						luated	mitted							ŗ	- Califf	GLM.	Cum	rg.	pc.	bd.ft.		Unit										1	-		.   1	2	2		No. of Units					8	4	1		8	4	1		No. of Person/s
														1.00	1.00	1.00	0.50	0.70	1.60	70.00		Quantity										0.5	0.25	0.5	0.5	1	1		No. of Hour/s					1	1	1		1	1	1		No. of Hour/s
														33.00	00.25.10	1 562 10	1 760,00	00.00	820.00	13,00		Unit Cost										2,282.40	2,450.00	1,733.00	1,759.50	91.25	1,318.00		Hourly Rate					45.16	58.61	80.95		45.16	58.61	80.95		Hourly Rate
1	10,432.16	1,000	496,77	1	673.59	4	841.98	1	8,419.82				7,652.65	55,00	00.35	1 562 10	2,507,00	3.007.00	1,312.00	910.00		Amount (Php.)		767.17		10.00	1,011.12	7 671 70			6,318.45	1,141.20	612.50	866,50	879.75	182.50	2,636.00		Amount (Php.)			-/	1,353.27	361.25	234.44	80.95		361.25	234,44	80.95		Amount (Php.)

ELWICK P. ACUÑA Engineer II

Checked/Reviewed

# Construction of By-Pass and Divers' vads, Buenavista - Bolong Coastal Bypass Road (Lubigan - Mala Sc ) Including Bridge, Zamboanga City Zamboanga City

FORM-POW-2015-01D-00

Item No./Description

406(1)f8
Prestressed Structural Concrete Member, Type IV-B 12.00 each 1.00

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

K.2			L		I.1	H.2	H.1		G.1		F.2			F			E.1		_	C.2	_		В.2				_		_		D. <u>F</u>	J			_				A.2		_	,	>		
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. Prestressed Concrete AASHTO Girder Type IVB	Name and Specification Materials	Direct Unit Cost (C.2 $\div$ 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	j. Welding Machine (500 A), Electric Driven	i. Grouting Machine, Air Driven	h. Plate Compactor (5 hp)	g. Concrete Vibrator		e, Bar Bender	-		- 1	Equipment  a. Truck Mounted Crane with Bucket (41 - 45 mt.)	Name and Capacity	Sub-Total for A-2 As Evaluated	Labor	Sub-Total for A-1 AS Subfilitied	c. Unskilled Laborer	b. Skilled Laborer	a. Foreman	Labor	Designation
						luated	mitted							ln.m.	Unit	Mark Trees											1	1	2	2	н	1	1	1	<b>1</b>	1	No. of Units				8	4	1		No. of Person/s
														30.00	Quantity												7	2	7	5	7	14	14	9	7	32	No. of Hour/s				96	96	96		No. of Hour/s
														24,000.00	Unit Cost												391.00	866.25	123.00	91.25	45.45	351.50	219.75	2,500.00	1.733.00	3 127 20	Hourly Rate				45.16	58.61	80.95		Hourly Rate
£	1,166,609.99	t	55,552.86	+	75,325.91	-	94,157.38	i	941,573.84				720,000.00	720,000.00	Amount (Php.)		221,573.84		1.00	r	221,573.84				156.616.76	6,495.71	2,737.00	1,732.50	1,722.00	912,50	318.15	4,921.00	3,076.50	22,500.00	12.131.00	100 070 40	Amount (Php.)			64,957.08	34,680.00	22,505.76	7,771.32		Amount (Php.)

Engineer II

Checked/Reviewed

FORM-POW-2015-01D-00

Item No./Description

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

407(8) Lean Concrete 18.25 cu.m. 1.40

				Total Unit Cost - As Evaluated	K.2
7,445.09				Total Unit Cost - As Submitted	X.1
1				Value Added Tax - As Evaluated	J.2
354,53				Value Added Tax - As Submitted	J.1
ī				Contractor's Profit - As Evaluated	1.2
480.72				Contractor's Profit - As Submitted	1.1
1			luated		H.2
600.90			mitted	_	H.1
					G.2
6,008.95				Direct Unit Cost (E.1+F.1) - As Submitted	G.1
				_	Γ
					F.2
				Materials	
5,350.15				Sub-Total for F-1 As Submitted	
1,562.10	1,562.10	1.00	cu.m.		
881.05	1,762.10	0.50	cu.m.	b.	ï
2,907.00	306.00	9.50	bag	_	<u> </u>
				Materials	
Amount (Php.)	Unit Cost	Quantity	Unit	Name and Specification	
				Direct Unit Cost (C.2 ÷ D.2) - As Evaluated	E.2
658.80				Direct Unit Cost (C.1 ÷ D.1) - As Submitted	E,1
				Output per Hour - As Evaluated	D.2
1.40				Output per Hour - As Submitted	D.1
				Total (A.2+B.2) - As Evaluated	C.2
922.32				Total (A.1+B.1) - As Submitted	C.1
				Sub-Total for B-2 As Evaluated	Γ
					B.2
				Equipment	
692.45				Sub-Total for B-1 As Submitted	
121,20	1,212.00	0.1	1	c. Water Truck/Pump (16000 L)	
351.50	351.50	1	1	5	Ç
219.75	219.75	1	1	_	D.
				Equipment	
Amount (Php.)	Hourly Rate	No. of Hour/s	No. of Units	Name and Capacity	
				Sub-Total for A-2 As Evaluated	
					A.2
				LdDOI	
229.87				Sub-Total for A-1 As Submitted	T
90.31	45.16	1	2	c. Unskilled Laborer	
58.61	58.61	н	1	b. Skilled Laborer	ì
80.95	80.95	н	1	a. Foreman	<u> </u>
				Labor	
Amount (Php.)	Hourly Rate	No. of Hour/s	No. of Person/s	Designation	

Engineer II

Prepared by:

Checked/Reviewed

### ads, Buenavista - Bolong Coastal Bypass Road (Lubigan - Mala Son ) Including Bridge, Zamboanga City

FORM-POW-2015-01D-00

Item No./Description

Unit of Measurement
Output per hour-As Submitted
Output per hour-As Evaluated .. .. .. 412(1)
Elastomeric Bearing Pad
24.00 each
1.00

				Total dille doors of the arministrated	
20,367.17				Total Unit Cost - As Submitted	S
1				Value Added Tax - As Evaluated	J.2
969.87				Value Added Tax - As Submitted	J.1
				Contractor's Profit - As Evaluated	I.2
1,315.07				Contractor's Profit - As Submitted	I.1
1			luated	Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated	Н.2
1,643.84			mitted	Overhead, Contingencies & Miscellaneous (OCM) - As Submitted	H.1
1				Direct Unit Cost (E.2+F.2) - As Evaluated	G.2
16,438.39				Direct Unit Cost (E.1+F.1) - As Submitted	G.1
				Sub-Total for F-2 As Evaluated	
					F.2
				Materials	
16,167.13				Sub-Total for F-1 As Submitted	
17,13				riscellatieous 10% of Labor	
16,150.00	16,150.00	1.00	each	금	F
				Materials	
Amount (Php.)	Unit Cost	Quantity	Unit	Name and Specification	
				Direct Unit Cost (C.2 ÷ D.2) - As Evaluated	E.2
271.26				Direct Unit Cost (C.1 ÷ D.1) - As Submitted	E,1
				Output per Hour - As Evaluated	D.2
1,00		And desired the latest territories and the lates		Output per Hour - As Submitted	D.1
1				Total (A.2+B.2) - As Evaluated	C.2
271.26				Total (A.1+B.1) - As Submitted	C.1
				Sub-Total for B-2 As Evaluated	
					B.2
-				Equipment	
100.00				Sub-Total for B-1 As Submitted	
100.00	100,00	ь	1	a. Wood/Steel Ladder	<b>5.</b>
				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	
171.26				Sub-Total for A-1 As Submitted	
90.31	45.16	1	2	b. Unskilled Laborer	;
80.95	80.95	1	1	a. Foreman	<u> </u>
				Labor	
Amount (Php.)	Hourly Rate	No. of Hour/s	No. of Person/s	Designation	

ELWICK P. ACUÑA Engineer II

Checked/Reviewed

ads, Buenavista - Bolong Coastal Bypass Road (Lubigan - Mala St Zamboanga City

) Including Bridge, Zamboanga City

FORM-POW-2015-01D-00

Item No./Description 413(3)b

Premolded Expansion Joint Filler with Sealant 7.18 cu.m. 25.00

.. .. ..

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

					€2
632.03				Total Unit Cost - As Submitted	<u></u>
				Value Added Tax - As Evaluated	J.2
30.10				Value Added Tax - As Submitted	J.1
				Contractor's Profit - As Evaluated	1.2
40.81				Contractor's Profit - As Submitted	1.1
			aluated	1	H.2
51.01			bmitted	_	H.1
10				Direct Unit Cost (E.2+F.2) - As Evaluated	G.2
510.11				Direct Unit Cost (E.1+F.1) - As Submitted	G.1
				Sub-Total for F-2 As Evaluated	i .
				Materials	3
500.00				Sub-Total for F-1 As Submitted	
500.00	500.00	T.00	eacn	a. Joint Hiller	
				1-	7.1
Amount (Php.)	Unit Cost	Quantity	Unit	Name and Specification	
				Direct Unit Cost (C.2 ÷ D.2) - As Evaluated	E.2
10.11					E.1
					D.2
25.00					D.1
					C.2
252,86					C.1
				Sub-Total for B-2 As Evaluated	
				2 Equipment	B.2
66.77				Sub-I Oldi for B-1 AS Subifficied	
				Och Hatal for D. A. Ochocitad	
22.99				Minor Tools 10% of Labor Cost	1.0
Amount (Php.)	Hourly Rate	No. of Hour/s	No. of Units	Name and Capacity	
				Sub-Total for A-2 As Evaluated	
					A.2
				Labor	
229.87				Sub-Total for A-1 As Submitted	
90.31	45.16	1	2	b. Unskilled Laborer	
58.61	58.61	1	1	b. Skilled Laborer	1
80.95	80.95	1	1		2
				Labor	
Amount (Php.)	Hourly Rate	No. of Hour/s	No. of Person/s	Designation	

Prepared by:

Engineer II

Checked/Reviewed

## vads, Buenavista - Bolong Coastal Bypass Road (Lubigan - Mala Sr ) Including Bridge, Zamboanga City Zamboanga City

FORM-POW-2015-01D-00

Item No./Description .

: 413(7)a1
Expansion Dam for Bridges (Steel)
: 2.00 set
: 0.01

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

				The same of the sa	L
538,/9/.9/				Total Unit Cost - As Submitted	SE
				Total Light Cost As Evaluated	
25,657.05				Value Added Tax - As Submitted	
				Contractor's Profit - As Evaluated	
34,789.22				Contractor's Profit - As Submitted	_
			uated	Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated	1.0
43,486.52			mitted	Overhead, Contingencies & Miscellaneous (OCM) - As Submitted	_
-				Direct Unit Cost (E.2+F.2) - As Evaluated	_
434,865.19				Direct Unit Cost (E.1+F.1) - As Submitted	_
				Sub-Total for F-2 As Evaluated	
				Materials	F.2
69,389.95				Sub-Total for F-1 As Submitted	
3,304.28				0 1	
1,250.00	2.500.00	0.50	set		
122 25	163.00	0.75	Ŕ,		
1.017.60	40.00	25.44	ko.	- 1	E1
21,432,48	48.00	446.51	6	b. Structural Steel - Angular Bar	
יר באר בא	4700	200 22	5		
Amount (Php.)	Unit Cost	Quantity	Unit	Name and Specification	
				Direct Unit Cost (C.2 ÷ D.2) - As Evaluated	E.2
365,475.24				Direct Unit Cost (C.1 ÷ D.1) - As Submitted	E.1
				Output per Hour - As Evaluated	
0.01				Output per Hour - As Submitted	
,				Total (A.2+B.2) - As Evaluated	
3,654,75				Total (A.1+B.1) - As Submitted	C
				Sub-Total for B-2 As Evaluated	
				Edaibilett	B 3
2,951.21				Equipment	
				Sub-Total for B.1 As Submitted	
70.35				Minor Tools 10% of Labor Cost	
30,00	45.45	0.33	2	c. Cutting Outfit	
244.86	371.00	0.33	2	b. Welding Machine	B.1
2,606.00	2,606.00	ı	1	a. Truck Mounted Crane	
				Equipment	
Amount (Php.)	Hourly Rate	No. of Hour/s	No. of Units	Name and Capacity	
				Sub-Total for A-2 As Evaluated	
					1
					<u>&gt;</u>
				Labor	
703.54				Sub-Total for A-1 As Submitted	
270.94	45.16	Þ	6	b. Unskilled Laborer	
351.65	58.61	۳	6		
80.95	80.95	ı	1	a. Foreman	A.1
				Labor	
Amount (Php.)	Hourly Rate	No. of Hour/s	No. of Person/s	Designation	

ELWICK P. ACUÑA Engineer II

Prepared by:

Checked/Reviewed

FORM-POW-2015-01D-00

Item No./Description

414(1)
Forms and Falsework
1.00 L.S.

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

	L				I.1 Contra	H.2 Overh	_	_	_	_	7.2	Materials	T-duS	ų.			9 9		b. 6	a. 6	Materials							C.1 Total		B.2	Sub-1	2	Minor Tools	B.1 a. C	Equi		Sub-T	T	A.2	I	Labor	Sub-T	 - 1	A.1	10	-	
Total Unit Cost - As Submitted	Value Added Tax - As Evaluated	Added Tax - Ac 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-lotal for F-2 As Evaluated		als	Sub-Total for F-1 As Submitted	STOLEN CARIN LIBITS	Assorted CAM Nails	Plywood 1/4" x 4" x 8"	Oxy/Acetylene	#16 G.I. Tie Wire	63 mm. dia. C-Clamp	63 mm. dia. G.I. Pipes	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	lielic	Sub-Total for B-1 As Submitted	otal for B 1 An Cubrottan	Tools 10% of Labor	Cutting Outfit	ment	Name and Capacity	Sub-Total for A-2 As Evaluated					Sub-Total for A-1 As Submitted	Unskilled Laborer	Skilled Laborer	oreman		Designation
						luated	mitted							ú	built.	E pc.	Jes Jes	kg.	pc.	pc.		Unit												1		No. of Units							6	6	1	100.00.000000	No. of Person/s
														10.00	10.00	10,000	3,00	18.00	1,800.00	600.00		Quantity		0.										80		No. of Hour/s							160	160	160	100 01 1001/0	No. of Hour/s
														05100	00 29	450,00	2,500.00	100.00	55.00	1,885.00		Unit Cost												45.45		Hourly Rate							45.16	58.61	80 95	ioury race	Hourly Rate
- /c.nzo/ore/T	1 016 670 57		91,267.65		123,752.74	ľ	154,690.93	ı	1,546,909.26				1,419,450.00	000.00	130,000.00	49,500.00	7,500.00	1,800.00	99,000.00	1,131,000.00		Amount (Php.)		127,459.26			ı	127,459.26			14,892.66	14 000 66	11,256.66	3,636.00		Amount (Php.)						112,566.60	 43.350.00	56.264.40	17 957 70	Tanodia (Taba)	Amount (Php.)

Engineer II

Prepared by:

Checked/Reviewed

#### Construction of By-Pass and Divers

ads, Buenavista - Bolong Coastal Bypass Road (Lubigan - Mala S Zamboanga City

FORM-POW-2015-01D-00

) Including Bridge, Zamboanga City

Item No./Description

.. .. .. 505(2)a Grouted Riprap, Class "A" 659.45 cu.m. 1.25

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

<ul><li>J.1 Value Added Tax - As Submitted</li><li>J.2 Value Added Tax - As Evaluated</li></ul>			I.2 Contractor's Pro		100			G.1 Direct Unit Cos	Sub-Total for F	F.2	1000	Materials	Sub-Total for F	Miscellaneous	- 1	- 1	- 1	0 2	h Sand			E.2 Direct Unit Cos		D.2 Output per Hou		C.2 Total (A.2+B.2)	_	B.2	Equipment	Suh-Total for B	<u>5</u>		Equipment  a. One Bagger Mixer		out rounted to	Sub-Total for A-2	A.2	Labor	Sub-Total for A	c. Unskilled Laborer			Labor		
Value Added Tax - As Evaluated	N PD Oddillessa	av - De Suhmitted	Contractor's Profit - As Evaluated	Contractor's Profit - As Submitted	(OCM) -	(OCM) -	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 1 1 1 2 2 2001111111111111111111111111	-1 As Submitted	1% of Material Cost			s (PVC)				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	ır - As Submitted	Total (A.2+B.2) - As Subilitated	Sub-Total for 8-2 As Evaluated		Equipment	-1 As Submitted	10% of Labor	Water Truck/Pump (16000 L)	ır Mixer	Name and Capacity	- 12	-2 As Evaluated			Sub-Total for A-1 As Submitted	aborer	orer			Designation	
					luated	As Submitted									cu.m.	sq.m.	m.	cu.m.	G Pag	30	Unit											1	H	No. of Units						8	2	ъ.		No. of Person/s	
															1.05	0.015	0.30	0.15	0.25	300	Quantity											0.05	1	No. of Hour/s						1	1	1		No. of Hour/s	
															1,462.10	160.00	4,700.00	1,562.10	1 762 10	305 00	Unit Cost											2,450.00	172.00	Hourly Rate						45.16	58.61	80.95		Hourly Rate	
	_	313.51	1	425.10	1	531.37		5,313.74				locator	4 585 85	45,40	1,535.21	2.40	1,410.00	234.32	440.53	018 00	Amount (Php.)		727.89		1.25	200,600	38 000		330.11	350.44	55,94	122.50	172.00	Amount (Php.)					559,42	361.25	117.22	80.95		Amount (Php.)	

ELWICK P. ACUÑA Engineer II

Prepared by:

Checked/Reviewed

#### ads, Buenavista - Bolong Coastal Bypass Road (Lubigan - Mala St Zamboanga City

FORM-POW-2015-01D-00

) Including Bridge, Zamboanga City

Item No./Description

507(1) Rubble Concrete 110.31 cu.m. 1.40

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

			2	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
			Indied	Contractor's Profit - As Submitted
			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
				Sub-Total for F-2 As Evaluated
				Materials
				Sub-Total for F-1 As Submitted
				Miscellaneous 2% of Material Cost
1,462.10		0.63	cu.m.	f. Boulder
160.00		0.015	sq.m.	e. Filter Cloth
4,700.00		0.30	m.	
1,562.10		0.02	cu.m.	
1,762.10		0.2625	cu.m.	
306,00		4.20	bag	a. Cement
A III COOL		Continue		
I Init Cost	-	Oriantity	Unit	Name and Specification
				Direct Unit Cost (C.2 ÷ D.2) - As Evaluated
				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
322,00		0.1	-	Minor Tools 5% of Labor
2,450.00		0.05	.   1-	Packhas (Whast Type 0.38 cm.)
172.00		1	1	1
				Equipment
Hourly Rate	Ŧ	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
10:10				
45.16		1	8	- 1
58.61		٠,	2	b. Skilled Laborer
00 05				10
n iy ixatic	100	ino. or riour/s	1010111	
Hourly Rate	Ho	No. of Hour/s	No. of Person/s	Designation

Engineer II

Prepared by:

Checked/Reviewed

## ads, Buenavista - Bolong Coastal Bypass Road (Lubigan - Mala Sr ) Including Bridge, Zamboanga City Zamboanga City

FORM-POW-2015-01D-00

Item No./Description

508(1)
Hand Laid Rock Embankment
1,366.70 cu.m.
3.125

.. .. ..

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

K.2	<u>~</u>	J.2	J.1	1.2	I.1	H.2	H.1	2.9	1.5			F.2	<u> </u>			;	Ξ.		E.2	E.1	D.2	D.I	2			B N	Τ		B.1				A.2				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+r.2) - As Evaluated	Direct Offic Cost (E.1+r.1) - As subfilitied	Direct Init Cost (E 1 LE 1) - As Submitted	Sub-Total for F-2 As Evaluated			Materials	Sub-Total for F-1 As Submitted	a. Boulder	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 Subillitied	Sub-Total for B-1 As Submitted	Minor Tools 10% of Labor	Equipment	Name and Capacity	Sub-Total for A-2 As Evaluated		Labor	Sub-Total for A-1 As Submitted	c. Unskilled Laborer	b. Skilled Laborer	a. Foreman	Labor	Designation
						luated	mitted									cu.m.		Unit													No. of Units					8	2	1		No. of Person/s
																1,05		Quantity													No. of Hour/s					L	1	1		No. of Hour/s
																1,462.10		Unit Cost													Hourly Rate					45.16	58.61	80,95		Hourly Rate
1	2,146.10	1	102.20	1	138.57	t	1/3.21		1,/32.12	1 722 12					1,535.21	1,535,21		Amount (Php.)		196.92		3.13		615.36			55.94	55.07	55.94		Amount (Php.)				559.42	361.25	117.22	80,95		Amount (Php.)

ELWICK P. ACUÑA Engineer II

Prepared by:

Checked/Reviewed

#### ads, Buenavista - Bolong Coastal Bypass Road (Lubigan - Mala Sr Zamboanga City

) Including Bridge, Zamboanga City FORM-POW-2015-01D-00

Item No./Description

612(1)
Reflectorized Thermoplastic Pavement Markings (White)
170.00 sq.m.
25.00

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

				F Lineal Office Cost - Ve Examples	7.1
917.15				_	
				L	3.2
43.67				_	J.1
1					I.2
59.22				_	I.1
1			luated	$\vdash$	H.2
74.02			omitted	Overhead, Contingencies & Miscellaneous (OCM) - As Submitted	H.1
740.23				_	G.1
				.2	F.2
				Materials	
677.02				Sub-Total for F-1 As Submitted	
32.24				Miscellaneous 5% of Material Cost	
12.50	100,00	0.13	kg.	(D	
1.66	828.00	0.00	cyl.	e. LPG (12 kg.)	
13.80	3,450.00	0.00	cyl.	ġ.	7
19.20	160.00	0.12	_ 5	ن ا	1
82.50	2.500.00	0.03	bag	h Glass Reads	
212	1 585 00	0 33	han	100	
Amount (Php.)	Unit Cost	Quantity	Unit	Name and Specification	
The second secon				Direct Unit Cost (C.2 ÷ D.2) - As Evaluated	E.2
63.21					E,1
23,00				2 Output per Hour - As Subinitied	D.2
-					15
1,580.27				Total (A.1+B.1) -	
				2	В.2
				Equipment	
1,111.16				Sub-Total for B-1 As Submitted	
46.91				Minor Tools 10% of Labor	
187.50	187.50	1	1	c. Kneading Machine	
93.75	93.75	1	Д.	Þ.	B.1
783.00	783.00	1	1	Equipment a. Cargo Truck (2 - 5 mt.)	
Amount (Php.)	Hourly Rate	No. of Hour/s	No. of Units	Name and Capacity	
				Sub-Total for A-2 As Evaluated	
				2	A.2
				Labor	
469.11				Sub-Total for A-1 As Submitted	
1700	10.10	,	(	100	
270.94	45.16	-	9	c. Unskilled Laborer	
80.95	80.95	.	بر ر	ا م	A.1
Amount (Php.)	Hourly Rate	No. of Hour/s	No. of Person/s	Designation	

ELWICK P. ACUÑA Engineer II

Prepared by:

Checked/Reviewed

#### ads, Buenavista - Bolong Coastal Bypass Road (Lubigan - Mala Se Zamboanga City

) Including Bridge, Zamboanga City

FORM-POW-2015-01D-00

Item No./Description

Unit of Measurement
Output per hour-As Submitted
Output per hour-As Evaluated 612(2)
Reflectorized Thermoplastic Pavement Markings (Yellow)
56.00 sq.m.
25.00

				Total Unit Cost - As Evaluated	K.2
1,010.39				Total Unit Cost - As Submitted	K.1
1				Value Added Tax - As Evaluated	J.2
48,11				Value Added Tax - As Submitted	J.1
,				Contractor's Profit - As Evaluated	I.2
65.24				Contractor's Profit - As Submitted	1.1
1			luated	Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated	H.2
81.55			mitted	Overhead, Contingencies & Miscellaneous (OCM) - As Submitted	H.1
1				Direct Unit Cost (E.2+F.2) - As Evaluated	G.2
815.49				Direct Unit Cost (E.1+F.1) - As Submitted	G.1
				Sub-Total for F-2 As Evaluated	
					F.2
, 05:10				Equipment	
752.28				Sub-Total for F-1 As Submitted	
35,82				Miscellaneous 5% of Material Cost	
12.50	100.00	0.13	kg.	1"	
1.66	828.00	0.00	cyl.	e. LPG (12 kg.)	
13.80	3,450.00	0.00	cyl.	ġ.	į
21.00	175.00	0.12	-	Ü	7
82,50	2,500.00	0.03	bag	b. Glass Beads	
585,00	1,800.00	0.33	bag	a. Thermoplastic Paint (Yellow)	
				Materials	
Amount (Php.)	Unit Cost	Quantity	Unit	Name and Specification	
				Direct Unit Cost (C.2 ÷ D.2) - As Evaluated	E.2
63.21				Direct Unit Cost (C.1 ÷ D.1) - As Submitted	
				Output per Hour - As Evaluated	D.2
25,00				Output per Hour - As Submitted	D.1
				Total (A.2+B.2) - As Evaluated	C.2
1,580,27				Total (A.1+B.1) - As Submitted	0.1
				Sub-Total for B-2 As Evaluated	į
				Equipment	B.)
1,111,10				Enginment Court of the Southington	
1 111 16				Sub-Total for B-1 As Submitted	
46.91				Minor Tools 10% of Labor	
187.50	187.50	1	1	c. Kneading Machine	
93.75	93.75	ı-	Р	b. Applicator Machine	B.1
783,00	783.00	1	1	a. Cargo Truck (2 - 5 mt.)	
				Equipment	
Amount (Php.)	Hourly Rate	No. of Hour/s	No. of Units	Name and Capacity	
				Sub-Total for A-2 As Evaluated	
				Labor	A.2
100.11					
469 11				Sub-Total for A-1 As Submitted	
270.94	45.16	1	6	b. Unskilled Laborer	
117.22	58.61	1	2	ġ.	70.
80.95	80.95	1	1	a. Foreman	2
				Labor	
Amount (Php.)	Hourly Rate	No. of Hour/s	No. of Person/s	Designation	

Prepared by:

Engineer II

Checked/Reviewed

# Construction of By-Pass and Diversi ads, Buenavista - Bolong Coastal Bypass Road (Lubigan - Mala Sr ) Including Bridge, Zamboanga City Zamboanga City

FORM-POW-2015-01D-00

Item No./Description

: 715(1)
Geotextile
: 5,224.00 sq.m.

5,224.00 200.00	Unit of Measurement Output per hour-As Submitted Output per hour-As Evaluated
--------------------	---

K.		J.2	J.1	I.2	I.1	H.2	H.1	G.2	G.1		7,7	ا ا			;	п		E.2	E.1	D.2	D.1	C.2	13		В.2			B.1			i	A >				Α.	>		
Iotal 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. Filter Cloth	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		a. Cargo Truck/Delivery Truck (9 - 10 mt.)	Raine and capacity	Name and Canacity	Sub-Total for A-2 As Evaluated	Labor	Sub-Total for A-1 As Subillitied	C.h Total for A 1 As Calmitted	1		a. Foreman	Labor	Designation
						luated	omitted								sq.m.		Unit											д	No. of Ollies	No of Inite					8	2	1		No. of Person/s
															1.05		Quantity											1	No. of Hoults	No of Hourle					1	1	1		No. of Hour/s
															160.00		Unit Cost											1,212.00	indaily raise	Hourly Rate					45,16	58.61	80.95		Hourly Rate
,	215:13		10.43	1	14.15	-	17.69		176.86					168.00	168.00		Amount (Php.)		8.86		200.00		1,771.42			1,212.00	4 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	1,212.00	Pilipula (1197)	Amount (Pho.)			27,72	550 A2	361.25	117.22	80.95		Amount (Php.)

Engineer II

Prepared by:

Checked/Reviewed

### UNIT COST ANALYSIS FOR HAULING COST FOR PORTLAND CEMENT

TOTAL QUANTITY REQUIREMENTS FOR PORTLAND CEMENT

21.488.97	TOTAL
463.30	Rubble Concrete
1,978.35	Grouted Riprap, Class "A"
173.38	Lean Concrete
7,151.98	Structural Concrete, Class "A"
11,586.96	Portland Cement Concrete Pavement
135,00	*
(Bags)	DESCRIPTION

Quantity = 21,488.97 Bags

Delivery Charge = P 0.120 /bag/km.

SITE	HAULING DISTANCE
Zamboanga City DEO Batching plant	35.00

\*Average havling distance from Source to assumed Stockpiling area: say 35.00 km.

Delivery Charge = P 0.120 4.20 /bag 35.00

\*Delivery Truck 21,488.97 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 윷

Loaded running Speed when unloaded 40.00 35.00 × 30.00 8 70.00 mins.

Loading and Unloading allowance for delay/traffic Unloaded running 35.00 × 40.00 45.00 3.00 8.00 500.00 mins. 60 52,50 mins.

Dumptruck daily output Using (3) Dumptrucks No. of trips for Dumptruck per day Total Cycle time Capacity of Dumptruck ω <u>5</u> 0.8 170.50 170.50 × 2.82 × 1407.62 60.00 2.82 cu.m. mins. mins, 2.82 1,407.62 4,222.87 say

Й 1. No. of days for Delivery Truck unloading No. of days for Labor, for complimentary to D. Truck days 21,488.97 4,222.87 II 5.09 say 5.09 5.09 days days

cu.m. cu.m. 2.82

<del>ti</del>o

			306.00 / Bag	say P 30	21,488.97 Bags 305.16 / Bag, 6,557,473.23 90,253.66 20,529.47 6,446,690.10	טר סר טר טר טר	Estimated Quantity Unit Cost Grand Total Delivery Cost Labor Materials
6,446,690.10 6,446,890.10	•	P P	/bag Sub - Total	@ P 300.00		Bags, Porlland C. (Pick-Up Price)	MATERIALS: 21,488.97 - Bags, Porlland Cement (Pick-Up Price)
3,113.88 17,415.59 <b>20,529,47</b>	-c	ا ۱۱ ت <del>- ت-</del>	5.09 days 6.09 days <b>Sub - Total</b>	611.92 /day x 342.24 /day x	@ P 611	BOR : 1 - Foreman 10 - Laborers, unloading	LABOR: 1 - Foreman 10 - Laborers,
90,253.66 <b>90,253.66</b>	P	II P	/ bag <b>Sub - Total</b>	@P 4.20		ıgs, Porlland Cı	DELIVERY COST: 21,488.97 - Bags, Portland Cement

### UNIT COST ANALYSIS FOR HAULING COST FOR ALL AGGREGATES

### Hauling Cost from the Quarry to Batching plant

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

**Hauling Distance** 5.00

Effective Working Hours 8.00 hrs. KB.

Hauling: Using Using 10.00 cu.m.capacity Dumptruck Weight of Dumptruck (cap. 10.00 cu.m.)

Unit weight of Fine Aggregates 16,000.00 1,640.00 kg/m3 kgs,

Maximum Volume to be Carried per DT Unit weight of Coarse Aggregates 1,534.00 11.57 kg/m3 cu.m.

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

Speed when unloaded Speed when loaded 핡

Loaded running 5.00 40.00 8 <del>g</del> 10.00 mins.

Unloaded running 5.00 30.00 40.00 8 7.50 mins.

Loading and Unloading 5.00 mins.

Capacity of Dumptruck allowance for delay/traffic 10,00 3.00 mins.

Total Cycle time 25.50mins. cu.m.

No. of trips for Dumptruck per day 8 x 60 25.50 60.00 18.82 say 18.82

trips

Dumptruck daily output Using (5) Dumptrucks 11 11 5 Ġ x 18.82 x 188.24 18.82 11 II 941.18 cu.m. 188.24 cu.m.

No. of days for Dumptrucks П 1,000.00 941.18 1.06 say 1.06 days

EQUIPMENT USED: (2009 ACEL RATES)

S Unit Dumptruck @ P 11,360.00 /day × Sub - Total 1.06 days п --- P 60,350.00 60,350.00

Grand Total Unit Cost Estimated Quantity Equipment **ਹ**ਾਹ ਹਾ ਹਾ 60,350.00 60,350.00 1,000.00 cu.m. 12.07 /cu. m./km. (Unit Cost, Hauling per cu.m.per km.)

Labor

Materials

U

Cost of Embankment, Common Borrow: Cost of Boulders: Cost of Item 300 Materials: Cost of Item 201 Materials: Cost of Item 200 Materials: Cost of Coarse Aggregates: Cost of Fine Aggregates: Hauling Distance 30.00 30.00 30.00 30.00 30.00 30,00 5.00× × × × × × Unit Cost per cu.m./km. 12.07 12.07 12.07 12.07 12.07 12.07 12.07 П 11 11 ij Hauling Cost per cu.m. 362.10 362.10 362.10 362.10 362.10 362.10 60.35 ÷ Unit Pirce 1,100.00 1,200.00 1,400.00 328.00 680,00 698.00 680.00 ſŧ £Į 11 Ш Ш П Unit Cost per 1,462,10 1,060.10 1,042.10 1,042.10 1,562.10 1,762.10 cu.m. 388.35

×

П