





GIONAL OFFICE IX

PROGRAM OF WORK/BUDGET COST

FORM		

Project : Construction of By-Pass and Diversion Roads - Zamboanga City Diversion Road, Cabaluay - Zambowood - Mampang Section (Road Widening), Zamboanga City, Construction of Mercedes Bridge #1

Project ID : Zamboanga City

Station Limits : 7+018.00 - 7+024.00 (Approaches), 7+024.00 - 7+069.90 (Bridge), 7+069.90 - 7+066.90 (Approaches)

Source of Funds : CY-2019

 Net Length
 : (a) Road
 In.m
 - lane km

 (b) Bridge
 36.90 In.m

 (c) Others
 12.00 In.m
 (Approaches)

Target Start Date :

Total Project Duration :

No. of Pre-determined :

202 Calendar Days
26 Calendar Days

Unworkable Days

21 Calendar Days

DESCRIPTION OF WORKS TO BE DONE	QUANTITY	UNIT		AS SUBMITTED	AS EVALUATED		
PEOGLE FIOR OF WORLD TO BE BOILE	VIIII	ONIT	% TOTAL	TOTAL DIRECT COST	% TOTAL	TOTAL DIRECT COST	
ART A: Facilities for the Engineers			2.61%	990,059.42			
B: Other General Requirements			7.71%	2,919,975.82			
C: Earthworks			1.59%	602,391.56			
G: Drainage and Slope Protection Structures		N.S.	3.96%	1,499,782.03			

100.00%

37,876,159.51

EQUIPMENT:

DESCRIPTION	REQUIRED
(DLC CEE FORM DOW	(2015 01B 00)
(PLS. SEE FORM POW	F-2015-01B-00)

BREAKDOWN OF EXPENDITURES:

	AS SUBMITTED	AS EVALUATED
1. Labor	2,621,510.92	
2. Materials	27,009,403.43	
3. Rental of Equipment	8,245,245.16	
4. Provisional Sum/Daywork	-	
5. OCM and Profit	7,393,296.91	
6. Value Added Tax	2,263,472.82	
7. EAO, 3.5%	1,750,000.00	
8. RROW Acquisition		
9. Physical Reseved (Contigency)	717,070.75	
10. TOTAL ESTIMATED COST	50,000,000.00	

	AS SUBMITTED	AS EVALUATED
A. Total Direct Cost	37,876,159.51	
B. OCM and Profit	7,393,296.91	
C. Value Added Tax	2,263,472.82	
D. Total Construction Cost	-	
E. Eng'g. & Administrative Overhead	1,750,000.00	
F. RROW Acquisition	•	
G. Physical Reserved (Contingency)	717,070.75	
H. TOTAL ESTIMATED COST	50,000,000.00	

Preparation and Submission:

Prepared by:

ELWICK P. ACUÑA

Engineer II

Maintenance Division

Checked/Submitted by:

ISIDRA A. ESTANISLAO

Engineer IV

Maintenance Division

Evaluation:

Reviewed by:

SATURNINO C TORREFRANCA

District Engineer

Planning & Design Division

Approval:

Recommending Approval

KHADAPRY D. TANGGOL

Assistant Regional Director

Approved:

CAYAMOMBAO D. DIA

Regional Director



Construction of By-Pass and Diversion Roads - Zamboanga City Diversion Road, Cabaluay - Zambowood - Mampang Section (Road Widening), Zamboanga City, Construction of Mercedes Bridge #1 Zamboanga City

FORM POW-2015-01A-00

						DIRECT	COST		TOTAL U	NIT COST	% DIRECT
ITEM NO.	DESCRIPTION	QUAN	AITIA	UNIT	тот	AL	UNIT COST		TOTAL		COST
		AS SUBMITTED	AS EVALUATED		AS SUBMITTED	AS EVALUATED	AS SUBMITTED	AS EVALUATED	AS SUBMITTED	AS EVALUATED	AS EVALUATED
PART A	Facilities for the Engineers										
A.1.1(3)	Construction of Field Office for the Engineer	1.00		L.S.	415,061.35		415,061.35		522,977.30		1.10%
	Provision of Provision of Furnitures/Fixtures, Equipment and Appliances for the Field Office for the Field Engineer	1.00		L.S.	338,273.33		338,273.33		383,601.96		0.89%
	Operation and Maintenance of 4 x 4 Pick-Up Type Service Vehicle for the Engineer	6.73		month	236,724.74		35,157.14		36,915.00		0.62%
	TOTAL OF PART A				990,059.42						2.61%
PART B	Other General Requirements										
B.4(1)	Construction Survey & Staking	0.05		km.	2,113.17		43,214.07		54,449.73	1	0.01%
B.5	Project Billboard/Signboard	4.00		each	18,337.96		4,584.49		5,776.46		0.05%
B.7	Occupation Safety & Health	6.73		month	246,880.35		36,665.40		41,578.56		0.65%
B.9	Mobilization & Demobilization	1.00		L.S.	321,858.00		321,858.00		337,950.90		0.85%
B.18(2)	Timber Structure	42.00		ln.m.	2,330,786.35		55,494.91		69,923.59		6.15%
	TOTAL OF PART B				2,919,975.82						7.71%
PART C	Earthworks										
103(2)a	Bridge Excavation, Common Soil	912.63		cu.m.	211,267.45		231.49		291.68		0.56%
103(2)b	Bridge Excavation, Soft Rock	1,126.60		cu.m.	391,124.12		347.17		437.44		1.03%
	TOTAL OF PART C				602,391.56						1.59%

						DIRECT	COST		TOTAL U	VIT COST	% DIRECT
ITEM NO.	DESCRIPTION	QUAI	YTTTY	UNIT	тотл	AL	UNIT	COST	10.	TAL	COST
		AS SUBMITTED	AS EVALUATED		AS SUBMITTED	AS EVALUATED	AS SUBMITTED	AS EVALUATED	AS SUBMITTED	AS EVALUATED	AS EVALUATED
PART F	Bridge Construction							苏泽东 东南部			
400(1)a1	Precast Concrete Piles, furnished (400 mm x 400 mm)	3,000.00		m.	10,416,204.60		3,472.07		4,374.81		27.50%
400(6)	Structural Steel Sheet Piles, furnished	2,916.00		kg.	7,256,762.84		2,488.60		3,135.64		19.16%
400(12)	Structural Steel Sheet Piles, driven	2,424.00		kg.	2,369,951.41		977.70		1,231.91		6.26%
400(14)	Precast Concrete Piles, driven (soft strata)	1,216.00	, ,	m.	1,859,318.20		1,529.04		1,926.60		4.91%
400(16)a	Test Piles, furnished and driven	80.00		m.	338,203.57		4,227.54		5,326.71		0.89%
404(1)a	Reinforcing Steel, Grade 40	3,441.71		kg.	168,550.94		48.97		61.71		0.45%
404(1)b	Reinforcing Steel, Grade 60	47,668.78		kg.	2,434,588.59		51.07		64.35		6.43%
405(1)b3	Structural Concrete, Class "A"	717.11		cu.m.	5,425,831.57		7,566.25		9,533.47	-	14.33%
407(8)	Lean Concrete	13.61		cu.m.	79,120.06		5,813.38		7,324.85		0.21%
412(1)	Elastomeric Bearing Pad	16,00		each	263,014.24		16,438.39		20,712.37		0.69%
413(7)a1	Expansion Dam for Bridges (Steel)	2.00		set	869,730.38		434,865.19		547,930.14		2.30%
414(1)	Forms and Falsework	1.00		L.S.	382,674.28		382,674.28		482,169.59		1.01%
	TOTAL OF PART F				31,863,950.68						84.13%
PART G	Drainage and Slope Protection Structures									25/2006	
508(1)	Hand Laid Rock Embankment	972.61		cu.m.	1,499,782.03		1,542.02		1,942.94		3.96%
	TOTAL OF PART G				1,499,782.03						3.96%
	GRAND TOTAL				37,876,159.51						100.00%



FORM POW-2015-01B-00

MINIMUM FOUIPMENT REQUIREMENT

No.	Equipment Description	Capacity	Number of Equipment	No.	Equipment Description	Capacity	Number of Equipment
1	Dumptruck (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			
6	Payloader	1.50 cu.m/1.95 cu.yd	4	31			
7	Water Truck/Pump	16000L	2	32			
8	Water Tank		2	33			
9	Transit Mixer	5-6 cu. Yd	4	34			
10	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	Service Crane	21 - 25 mt.	. 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		5



GIONAL OFFICE IX

Construction of By-Pass and Diversion Roads - Zamboanga City Diversion Road, Cabaluay - Zambowood - Mampang Section (Road Widening), Zamboanga City, Construction of Mercedes Bridge #1

Zamboanga City

9167067600

FORM POW-2015-01C-00

-						ITEMIZED	BREAKDOWN						
							DETAI	LED BREAKDOWN C	F COMPONENT CO	ST FOR EAC	H ITEM		
ITEM NO	. DESCRIPTION		%	QTY	UNIT		DIRECT	COST		TOTA	L MARK-UP	/	
			90	96 Q11		MATERIAL	LABOR	EQUIPMENT	TOTAL	%	VALUE	5% VAT	TOTAL COST
PART A	Facilities for the Engineers								and the same of the same				
A 1 1/2)	Construction of Field Office for the Engineer	AS EVALUATED											
N.1.1(3)	Construction of Field Office for the Engineer	AS SUBMITTED	1.10%	1.00	L.S.	337,676.05	45,026.64	32,358.66	415,061.35	20.00%	83,012.27	24,903.68	522,977.30
A.1.1(11)	Provision of Provision of Furnitures/Fixtures, Equipment and	AS EVALUATED											
W.1.1(11)	Appliances for the Field Office for the Field Engineer	AS SUBMITTED	0.89%	1.00	L.S.	338,273.33		- 1	338,273.33	8.00%	27,061.87	18,266.76	383,601.96
4 1 2/F)	Operation and Maintenance of 4 x 4 Pick-Up Type Service	AS EVALUATED											
A.1.2(5)	Vehicle for the Engineer	AS SUBMITTED	0.62%	6.73	month	142,013.00	94,711.74	•	236,724.74	0.00%		11,836.24	248,560.98
	TOTAL OF PART A	AS EVALUATED											
	TOTAL OF PART A	AS SUBMITTED	2.61%			817,962.38	139,738.38	32,358.66	990,059.42		110,074.14	55,006.68	1,155,140.24
PART B	Other General Requirements												
D 4(4)		AS EVALUATED											
B.4(1)	Construction Survey & Staking	AS SUBMITTED	0.01%	0.05	km.	539.12	1,319.81	254.23	2,113.17	20.00%	422.63	126.79	2,662.59
D.F.	Desire Dilliand (Clerks)	AS EVALUATED											
B.5	Project Billboard/Signboard	AS SUBMITTED	0.05%	4.00	each	14,660.00	3,677.96		18,337.96	20.00%	3,667.59	1,100.28	23,105.83
0.7		AS EVALUATED											
B.7	Occupation Safety & Health	AS SUBMITTED	0.65%	6.73	month	26,760.00	160,120.35	60,000.00	246,880.35	8.00%	19,750.43	13,331.54	279,962.32
0.0	Market and David Hard	AS EVALUATED											
B.9	Mobilization & Demobilization	AS SUBMITTED	0.85%	1.00	L.S.			321,858.00	321,858.00	0.00%	**	16,092.90	337,950.90
D 10/2)	T-1-0-1-	AS EVALUATED											
B.18(2)	Timber Structure	AS SUBMITTED	6.15%	42.00	ln.m.	754,309.50	236,389.86	1,340,086.99	2,330,786.35	20.00%	466,157.27	139,847.18	2,936,790.80
	TOTAL OF DADT P	AS EVALUATED											
	TOTAL OF PART B	AS SUBMITTED	7.71%			796,268.62	401,507.98	1,722,199.22	2,919,975.82		489,997.92	170,498.69	3,580,472.43
PART C	Earthworks												
402(0)		AS EVALUATED											
103(2)a	Bridge Excavation, Common Soil	AS SUBMITTED	0.56%	912.63	cu.m.		10,489.43	200,778.02	211,267.45	20.00%	42,253.49	12,676.05	266,196.98
100/01		AS EVALUATED											
103(2)b	Bridge Excavation, Soft Rock	AS SUBMITTED	1.03%	1,126.60	cu.m.	-	18,498.17	372,625.95	391,124.12	20.00%	78,224.82	23,467.45	492,816.39
	70711 0571107 0	AS EVALUATED											
	TOTAL OF PART C	AS SUBMITTED	1.59%				28,987.60	573,403.97	602,391.56		120,478.31	36,143.49	759,013.37

						1 1	DETAI	LED BREAKDOWN	OF COMPONENT C	OST FOR EAC	CH ITEM		
ITEM NO	DESCRIPTION		0/-	% QTY UNIT DIRECT COST TOTAL MARK-L						L MARK-UP			
			76	QII	SMIT	MATERIAL	LABOR	EQUIPMENT	TOTAL	%	VALUE	5% VAT	TOTAL COST
PART F	Bridge Construction	vertice activiti	新印第 章										
400(1)a1	Precast Concrete Piles, furnished (400 mm x 400 mm)	AS EVALUATED											
.00(1)81	Product concrete Piles, ramining (450 min x 450 min)	AS SUBMITTED	27.50%	3,000.00	III.	8,239,026.75	811,963.50	1,365,214.35	10,416,204.60	20.00%	2,083,240.92	624,972.28	13,124,417.80
400(6)	Structural Steel Sheet Piles, furnished	AS EVALUATED											
100(0)	Sauctural Sees Sheet Frees, to his ned	AS SUBMITTED	19.16%	2,916.00	ln.m.	7,138,368.00	11,683.49	106,711.35	7,256,762.84	20.00%	1,451,352.57	435,405.77	9,143,521.18
400(12)	Structural Steel Sheet Piles, driven	AS EVALUATED											
700(12)	Structurar Steel Street Files, driver	AS SUBMITTED	6.26%	2,424.00	ln.m.	185,953.98	170,538.40	2,013,459.03	2,369,951.41	20.00%	473,990.28	142,197.08	2,986,138.78
400(14)	Precast Concrete Piles, driven (soft strata)	AS EVALUATED							·	***************************************			·
400(14)	Precase Concrete Piles, driven (suit strata)	AS SUBMITTED	4.91%	1,216.00	n.	445,522.94	356,460.90	1,057,334.36	1,859,318.20	20.00%	371,863.64	111,559.09	2,342,740.93
400/16\>	Test Piles, furnished and driven	AS EVALUATED											
400(10)a	rest riles, furnished and driven	AS SUBMITTED	0.89%	80.00	m,	245,190.72	23,451.38	69,561.47	338,203.57	20.00%	67,640.71	20,292.21	426,136.49
404(1)>	Reinforcing Steel, Grade 40	AS EVALUATED											
404(1)8	Relitorcing Steet, Grade 40	AS SUBMITTED	0.45%	3,441.71	kg.	144,551.82	10,696.43	13,302.69	168,550.94	20.00%	33,710.19	10,113.06	212,374.18
404(1\h	Painfarring Charl Conda CO	AS EVALUATED			<u> </u>								
404(1)0	Reinforcing Steel, Grade 60	AS SUBMITTED	6.43%	47,668.78	kg.	2,102,193.20	148,148.94	184,246.46	2,434,588.59	20.00%	485,917.72	146,075.32	3,067,581.63
405(1\h2	Structural Concrete, Class "A"	AS EVALUATED											
-10.5(1)0.5	Structural Coliciete, Class A	AS SUBMITTED	14.33%	717.11	cu.m.	4,875,684.67	97,044.52	453,102.37	5,425,831.57	20.00%	1,085,166.31	325,549.89	6,836,547.77
407(8)	Lean Concrete	AS EVALUATED											
	Lean Concrete	AS SUBMITTED	0.21%	13.61	cu.m.	70,153.77	2,234.69	6,731.60	79,120.06	20.00%	15,824.01	4,747.20	99,691.27
412(1)	Elastomeric Bearing Pad	AS EVALUATED											
712(1)	Clastomers, bearing Pau	AS SUBMITTED	0.69%	16.00	each	258,674.02	2,740.22	1,600.00	263,014.24	20.00%	52,602.85	15,780.85	331,397.94
/12(7) ₂ 1	Expansion Dam for Bridges (Steel)	AS EVALUATED											
41.J(7)a1	Expansion Dani for Bridges (Sceet)	AS SUBMITTED	2.30%	2.00	set	138,779.91	140,708.25	590,242.23	869,730.38	20.00%	173,946.08	52,183.82	1,095,860.28
414(1)	Forms and Falsework	AS EVALUATED											100000000000000000000000000000000000000
414(1)	FORES dile Pasework	AS SUBMITTED	1.01%	1.00	L.S.	242,812.50	101,495.44	38,366.34	382,674.28	20.00%	76,534.86	22,960.46	482,169.59
	TOTAL OF PART F	AS EVALUATED											
	TOTAL OF PART F	AS SUBMITTED	84.13%			24,086,912.28	1,877,166.15	5,899,872.24	31,863,950.68		6,372,790.14	1,911,837.04	40,148,577.85
PART G	Drainage and Slope Protection Structures	singlesingun.		gyyygang panesi	inggwest.		A PROPERTY.	4445038556	avietivo caricida	(6) (6) (6) (6)		1968-1968-1969-1969-1	
508(1)	Hand Laid Rock Embankment	AS EVALUATED											
200(1)	TIBITO EDIO NOCA ETILOGIAGIIGUA	AS SUBMITTED	3.96%	972.61	cu.m.	1,308,260.14	174,110.81	17,411.08	1,499,782.03	20.00%	299,956.41	89,986.92	1,889,725.36
	TOTAL OF PART G	AS EVALUATED											
	IDIAL OF PART G	AS SUBMITTED	3.96%			1,308,260.14	174,110.81	17,411.08	1,499,782.03		299,956.41	89,986,92	1,889,725.36
	GRAND TOTAL	AS EVALUATED							·				
	GRAND TOTAL	AS SUBMITTED	100.00%			27,009,403.43	2,621,510.92	8,245,245.16	37,876,159.51		7,393,296.91	2,263,472.82	47,532,929.25



onstruction of By-Pass and Diversion Roads - Zamboanga City Diversion Road, Cabaluay - Zambowood - Mampang Section (Road Widening), Zamboanga City, Construction of Mercedes Bridge #1

Zamboanga City

SUMMARY OF APPROVED BUDGET FOR THE CONTRACT

FORM POW-2015-02-00

				1	TOTAL MARK-UP	VAT	TOTAL INDIRECT COST	TOTAL COST
	DESCRIPTION OF WORKS TO BE D	OONE	ESTIMATED DIRECT COST	%	TOTAL DIRECT COST	VAI	TOTAL INDIRECT COST	101AL 000.
		AS EVALUATED						
PART A	Facilities for the Engineers	AS SUBMITTED	990,059.42		110,074.14	55,006.68	165,080.81	1,155,140.24
Postarentes		AS EVALUATED						
PART B	Other General Requirements	AS SUBMITTED	2,919,975.82		489,997.92	170,498.69	660,496.61	3,580,472.43
	2 0	AS EVALUATED						
PART C	Earthworks	AS SUBMITTED	602,391.56		120,478.31	36,143.49	156,621.81	759,013.37
		AS EVALUATED						
PART F	Bridge Construction	AS SUBMITTED	31,863,950.68		6,372,790.14	1,911,837.04	8,284,627.18	40,148,577.85
		AS EVALUATED						
PART G	Drainage and Slope Protection Structures	AS SUBMITTED	1,499,782.03		299,956.41	89,986.92	389,943.33	1,889,725.36
	To selecting to	AS EVALUATED						
	TOTAL	AS SUBMITTED	37,876,159.51		7,393,296.91	2,263,472.82	9,656,769.73	47,532,929.25

Preparation and Submission:

Prepared by:

Checked/Submitted by:

ISIDRA A. ESTANISLAO

Engineer IV

Maintenance Division

ELWICK P. ACUÑA
Engineer II

Maintenance Division

200

Reviewed by:

Evaluation:

SATURNING C. TORREFRANCA

District Engineer

Planning & Design Division

Approval:

Recommending Approva

KHAPAFFY D. TANGGOL

OIC-Assistant Regional Director

Approved:

CAYAMOMBAO D. DIA, CESO N

Regiona Director



SIONAL OFFICE IX

Construction of By-Pass and Diversion Roads - Zamboanga City Diversion Road, Cabaluay - Zambowood - Mampang Section (Road Widening), Zamboanga City, Construction of Mercedes Bridge #1

Zamboanga City

FORM POW-2015-02A-00

ITEM NO.	DESCRIPTION		QTY		ESTIMATED DIRECT COST	тот	AL MARK-UP	VAT	TOTAL INDIRECT COST	TOTAL COST	UNIT COST
						%	VALUE				
PART A	Facilities for the Engineers										
A 1 1(2)	Company of Field Office for the Francisco	AS EVALUATED									
A.1.1(3)	Construction of Field Office for the Engineer	AS SUBMITTED	1.00	L.S.	415,061.35	20.00%	83,012.27	24,903.68	107,915.95	522,977.30	522,977.30
	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.	338,273.33	8.00%	27,061.87	18,266.76	45,328.63	383,601.96	383,601.96
	Operation and Maintenance of 4 x 4 Pick-Up Type Service	AS EVALUATED									
A.1.2(5)	Vehicle for the Engineer	AS SUBMITTED	6.73	month	236,724.74	0.00%	-	11,836.24	11,836.24	248,560.98	36,915.00
		AS EVALUATED									
	TOTAL OF PART A	AS SUBMITTED			990,059.42		110,074.14	55,006.68	165,080.81	1,155,140.24	
PART B	Other General Requirements										
2.7723.120		AS EVALUATED									
B.4(1)	Construction Survey & Staking	AS SUBMITTED	0.05	km.	2,113.17	20.00%	422.63	126.79	549.42	2,662.59	54,449.73
		AS EVALUATED									
B.5	Project Billboard/Signboard	AS SUBMITTED	4.00	each	18,337.96	20.00%	3,667.59	1,100.28	4,767.87	23,105.83	5,776.46
		AS EVALUATED									
B.7	Occupation Safety & Health	AS SUBMITTED	6.73	month	246,880.35	8.00%	19,750.43	13,331.54	33,081.97	279,962.32	41,578.56
		AS EVALUATED									
B.9	Mobilization & Demobilization	AS SUBMITTED	1.00	L.S.	321,858.00	0.00%	-	16,092.90	16,092.90	337,950.90	337,950.90
527702988		AS EVALUATED									i
B.18(2)	Timber Structure	AS SUBMITTED	42.00	ln.m.	2,330,786.35	20.00%	466,157.27	139,847.18	606,004.45	2,936,790.80	69,923.59
		AS EVALUATED									
	TOTAL OF PART B	AS SUBMITTED			2,919,975.82		489,997.92	170,498.69	660,496.61	3,580,472.43	
PART C	Earthworks										
		AS EVALUATED		200							
103(2)a	Bridge Excavation, Common Soil	AS SUBMITTED	912.63	cu.m.	211,267.45	20.00%	42,253.49	12,676.05	54,929.54	266,196.98	291.68
		AS EVALUATED									
103(2)b	Bridge Excavation, Soft Rock	AS SUBMITTED	1,126.60	cu.m.	391,124.12	20.00%	78,224.82	23,467.45	101,692.27	492,816.39	437.44
		AS EVALUATED									
	TOTAL OF PART C	AS SUBMITTED			602,391.56		120,478.31	36,143.49	156,621.81	759,013.37	

ITEM NO	DESCRIPTION		QTY	UNIT	ESTIMATED DIRECT COST	т	OTAL MARK-UP	VAT	TOTAL INDIRECT COST	TOTAL COST	UNIT COST
						%	VALUE				
PART F	Bridge Construction										
400(1)a1	Precast Concrete Piles, furnished (400 mm x 400 mm)	AS EVALUATED								particular and the particular state of the s	
	Trease consiste they running (100 min x 400 min)	AS SUBMITTED	3,000.00	m.	10,416,204.60	20.00%	2,083,240.92	624,972.28	2,708,213.20	13,124,417.80	4,374.8
400(6)	Structural Steel Sheet Piles, furnished	AS EVALUATED									1000
(0)	The state of the s	AS SUBMITTED	2,916.00	in.m.	7,256,762.84	20.00%	1,451,352.57	435,405.77	1,886,758.34	9,143,521.18	3,135.64
400(12)	Structural Steel Sheet Piles, driven	AS EVALUATED									
(22)	and the state of t	AS SUBMITTED	2,424.00	ln.m.	2,369,951.41	20.00%	473,990.28	142,197.08	616,187.37	2,986,138.78	1,231.91
400(14)	Precast Concrete Piles, driven (soft strata)	AS EVALUATED							***************************************		
100(11)	recase concrete riles, arrear (sort strata)	AS SUBMITTED	1,216.00	m.	1,859,318.20	20.00%	371,863.64	111,559.09	483,422.73	2,342,740.93	1,926.60
400(16)a	Test Piles, furnished and driven	AS EVALUATED									*
100(10)0	reservices, furnished and driver	AS SUBMITTED	80.00	m.	338,203.57	20.00%	67,640.71	20,292.21	87,932.93	426,136.49	5,326.71
404(1)a	Reinforcing Steel, Grade 40	AS EVALUATED									
101(1)4	Removeling Steel, Grade 40	AS SUBMITTED	3,441.71	kg.	168,550.94	20.00%	33,710.19	10,113.06	43,823.24	212,374.18	61.71
404(1)b	Reinforcing Steel, Grade 60	AS EVALUATED									
101(1)5	Kelinorchig Steel, Grade 60	AS SUBMITTED	47,668.78	kg.	2,434,588.59	20.00%	486,917.72	146,075.32	632,993.03	3,067,581.63	64.35
405/1)62	Structural Concrete, Class "A"	AS EVALUATED									
403(1)D3	Subclural Concrete, Class A	AS SUBMITTED	717.11	cu.m.	5,425,831.57	20.00%	1,085,166.31	325,549.89	1,410,716.21	6,836,547.77	9,533.47
407(8)	Lean Concrete	AS EVALUATED									-7
407(8)	Lean Concrete	AS SUBMITTED	13.61	cu.m.	79,120.06	20.00%	15,824.01	4,747.20	20,571.22	99,691.27	7,324.85
412(1)	Elastomeric Bearing Pad	AS EVALUATED									,
112(1)	Liastomente Bearing Pau	AS SUBMITTED	16.00	each	263,014.24	20.00%	52,602.85	15,780.85	68,383.70	331,397.94	20,712.37
413(7)-1	Expansion Dam for Bridges (Steel)	AS EVALUATED									,
115(7)41	Expansion Dani for Bridges (Steel)	AS SUBMITTED	2.00	set	869,730.38	20.00%	173,946.08	52,183.82	226,129.90	1,095,860.28	547,930.14
414(1)	Forms and Falsework	AS EVALUATED									
717(1)	Points and Paisework	AS SUBMITTED	1.00	L.S.	382,674.28	20.00%	76,534.86	22,960.46	99,495.31	482,169.59	482,169.59
	TOTAL OF PART E	AS EVALUATED						- commenced on the			
	IOTAL OF PART E	AS SUBMITTED			31,863,950.68		6,372,790.14	1,911,837.04	8,284,627.18	40,148,577.85	
PART G	Drainage and Slope Protection Structures										
508(1)	Hand Laid Rock Embankment	AS EVALUATED							Service Service Control of Service Service 10		SE SERVICE MANAGEMENT
300(1)	Hand Laid Rock Embankment	AS SUBMITTED	972.61	cu.m.	1,499,782.03	20.00%	299,956.41	89,986.92	389,943.33	1,889,725.36	1,942.94
	TOTAL OF PART C	AS EVALUATED									
	TOTAL OF PART G	AS SUBMITTED			1,499,782.03		299,956.41	89,986.92	389,943.33	1,889,725.36	
	CDAND TOTAL	AS EVALUATED								-,,	
	GRAND TOTAL	AS SUBMITTED			37,876,159.51		7,393,296.91	2,263,472.82	9,656,769.73	47,532,929.25	

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

FORM-POW-2015-01D-00

Item No./Description

A.1.1(3)

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

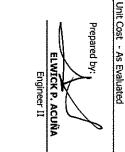
..

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

labor	Designation No.	-
	No. of Person/s	
	No. of Hour/s	
	Hourly Rate	
	Αn	

																		77									E.2	10.2	2 2	. C.2	C.1		В.2					8,1				A.2					A.1			
1 1	h W-1. Jalousie Window. 1.40 m. x 1.20 m.	Complete with Accessories 0.00 m × 3.10 m	1	e. No. 16 G.I. Tie Wire	d. 10 mm. x 6 m. RSB	c. Washed Sand	b. Portland Cement	a. CHB 6" thk.	1	1	b. Ordinary Plywood, 1/4" x 4' x 8'	a. Coco Lumber	IV Formworks (Columns & Beams)	b. No. 16 G.I. Tie Wire	a. Deformed Round Bar, Grade 40 kg.	III Reinforcing Bars (Footings, Columns, Beams, 8	- 1	b. Crushed Gravel	a Portland Cement han	C. Concrete Works (Footings Columns Reams &	- [*	- 1	Cravel Redding Cravel Redding	1	Native and observational	Name of Conference	Direct Unit Cost (C.2 ÷D.2) - As Submitted	Cutput 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	LIB NO 1 DOLD TO NO AL CRIDAL CRIDAL	9	a. One payger mixer	Equipment	Name and Capacity	Sub-Total for A-2 As Evaluated		Labor	Sub-Total for A-1 As Submitted	d, Laborers	1	b. Masons	a. Construction Foreman	Labor	Designation
set	set	set		kg.	kg.	cu.m.	bag	pc.		kg.	pc.	bd.ft.		kg.	kg.	Slab on Grade	cu,m.	cu.m.	ban ban	Slah on Grada)		CO m	CI M		S	l bit												* > -	•	No. of Units					6	а	ω	1		No. of Person/s
2.00	2.00	2,00		2,50	65,00	8.00	45.00	650.00		5,00	18.00	400.00			435.00		18,00	21.00	90.00	2:30	2 50.00	10.00	3 50		Qualitity	O I STATE											o	9 6	ò	No, of Hour/s					64	64	64	64		No. of Hour/s
1,848.00	924.00	1,765.26		100,00	38,00	1,651.05	304.00	16.00		65.00	610.00	13,00		00.08	38,00		1,651.05	1,441,05	304 DO	Table	1 900 00	35 885	1 441 05		Office Cost	I lait Cast											2,430,00	00 037 C	177.00	Hourly Rate					45.16	58,61	58.61	80.95		Hourly Rate
3,696.00	1 848 00	3,530.52		250.00	2,470.00	13,208.40	13,680.00	10,400.00		325.00	10,980.00	5,200.00		1,600.00	16,530.00	-	29,718.90	30.262.05	27 360 00	7,700,000	4 750 00	3 983 50	5 043 68		Alloure (Mip.)	Amount (Bho)	//,365,30	77 280 20			77,385.30				32,358.66	1,30C,00	7 502 7	00.002.01	0.025.00	Amount (Php.)				45,026.64	17,340.00	11,252.88	11,252.88	5,180.88		Amount (Php.)

Κ. ₂	<u> </u>	3,1	1.2	11	H J	G.2	G.1	ī,	ר נ							·····											T																								<u> </u>						
Total Unit Cost - As Evaluated	Value Added Tax - As Evaluated Total Unit Cost - As Submitted	Value Added Tax - As Submitted	Contractor's Profit - As Evaluated	Contractor's Profit - As Submitted	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	t. 2 FVC assured Connector	n. 4 PVC assorted Connector	g, 2" PVC series 1000	f. 4" PVC series 1000	e. 1/2" Assorted Connector	d. 1/2" Water Faucet		b. Lavatory (include fitting & Accessories)	XI Plumbing Works	t. panel board (side main w/ braches)	s. electrical tape (big)		g. utility box	o. 20mm dia. Service entrance cap	20mm dia.	m. 20mm dia, RSC elbow		J. 15mm dia RSC Pipe	i. 15mm dia, PVC Elbow		- 1	f. 8.00mm2 thw	d. two gang switch		1 1	a. 2 x 40w Flourescent lighting fixtures	e. Wood Preservative Brown	d. Common Wire Nails	Finishing Nails	b. Plywood, ordinary 1/4" x 4' x 8'	Carpentry W	e. Roof Sealant	1 1	c. Pre-painted flashing on 24	a. Pre-painted GI Roofing Sheet long span	VIII Roofing Works	I. Primer, Zinc Cromate	k. Welding Rod	i 20mm dia X 350 mm anchor holts	h. 10mm thk batten plate	g. 12mm thk base plate	f. 16mm dia. Tum buckle	e. 16mm dla. Cross bracing	d. Purlins C- 150 x 50 x 3mm.	b. 50 mm, x 50 mm, x 6 mm, Angle Bar	a. 55 mm, x 55 mm, x 6 mm, Angle	VII Steel Works
				Adjudence	Submitted						-	3 8	pc	ρĸ	ĸ	рc	рc	set	2	set	рc	Ъ.	8 8	P. P.	PC	рс	8	2 2	PC	pc	pc ::	3 2	DC PC	pc	×	set		kg.	kģ.	מכ.	F.	_	pc.	n.m.	sq.m.		gal,	ka Pi	nc Rg.	8	kg.	pc.	kg.	ξ <u>.</u>	ka Kg.	S G	1
											0.00	8.00	1.00	1.00	8.00	2,00	2.00	1.00	3	2,00	7.00	8.00	7.00	2,00	10.00	3,00	3.00	4.00	25.00	25.00	20.00	25.00	3.00	3.00	2.00	5.00	5,00	10.00	5,00	30.00	50000	2.00	1000,00	2.00	55,00		5.00	15.00	10.00	15.00	25.00	20.00	35.00	18,00	250,00	350.00	
											00.00	25,00	305,00	640.00	20.00	321,00	166.00	6,615,00	00 32c 2	1,627.00	31.00	34.00	32.00	100.00	18.00	30,00	9.00	240.00	26.00	5,00	73.00	70.00	00.0071	170.00	50,00	1,030,00	400,00	65.00	110.00	450.00	37.00	250.00	2.00	189.00	420,00		531.00	163,00	36.00	47.00	47.00	118.00	38.00	48.00	48,00	48,00	
	522,977.30	24,903.68		33,204.91	49,807.36		415,061.35			337,676.05	00,01	462,00	305.00	640.00	160.00	642.00	332.00	6,615,00	7 375 00	3,254.00	217.00	272,00	224.00	200.00	180.00	90.00	27.00	00.00	650.00	125.00	1,460.00	1,750.00	510,00	510.00	100.00	5,150,00	2,000.00	650,00	550.00	13,500.00	10 500 00	500,00	2,000.00	378.00	23,100.00		2,655.00	2,445.00	360.00	705.00	1,175.00	2,360,00	1,330.00	864,00	12,000.00	16,800.00	



Checked/Reviewed

SIDRA A. ESTANISLAO

Findinger IV

Construction of By-Pass and Diversion Road mboanga City Diversion Road, Cabaluay - Zambowood - Mampan Construction of Mercedes Bridge #1 Zamboanga City

FORM-POW-2015-01D-00

Jon (Road Widening), Zamboanga City,

Item No./Description

A.1.1(11)

Provision of Provision of Furnitures/Fixtures, Equipment and Appliances for the Field Office for the Field
1.00 L.S.

-- -- --

Unit of Measurement

Output per hour-As Submitted

Output per hour-As Evaluated

K.1 local Unit Cost - As Submitted K.2 Total Unit Cost - As Evaluated	Value Added Tax -	Ш	I.2 Contractor's Profit - As Evaluated				<u> </u>	<u> </u>	F.2	Equipment	Sub-Total for E-1 Ac Sub	c. LPG (11 kg)	b. Water Bill	a. Electrical Bill	i. Printer	k. Desktop Computer	j, Cellphone	i. Digital Camera	h. Dining Table	ļ	F.1 g. Kitchenware	(Folder's, Bond Faper, Tellow Falus, Ball Pens, Pencil, Envelopes, etc.)	r. Various Office Supply	T.	d. Double burner gas stove (Gasul)	 c, pillows w/ pillow cases, fitted sheets and blanket 	- 1	a. Electric Desk Fan	Office Equipment/Fac	Materials	Name a	E.2 Direct Unit Cost (C.2 ÷ D.2) - As Evaluated	_	_	_		C 1 Total (A.1+B.1) - As Submitted	Sub-Total for B-2 As Eval	Equipment	Sub-Total for B-1 As Submitted		B.1 Equipment Name	Equipment	Sub-Total for A-2 A	Sub-Total for A-2 A	Sub-Total for A-1 A Labor Sub-Total for A-2 A Equipment	Sub-Total for A-1 A Labor Sub-Total for A-2 A Equipment	Sub-Total for A-1 A Labor Sub-Total for A-2 A Sub-Total for A-2 A	Labor Sub-Total for A-1 A Labor Sub-Total for A-2 A Equipment	Sub-Total for A-1 A Labor Sub-Total for A-2 A Equipment	Sub-Total for A-1 A Labor Sub-Total for A-2 A Equipment
As Evaluated		bmitted	Valuated	raticous (Octri) -	Overhead, Contingencies & Miscellaneous (OCM) - As Submitted	2) - As Evaluated	L) - As Submitted	uated		1800	mitted				NA CONTRACTOR OF THE CONTRACTO					orks, Glasses, etc.)		n/ renow reus,	Y		stove (Gasul)	tted sheets and blanket	Quality	The second secon	illies & Supplies		Name and Specification).2) - As Evaluated).1) - As Submitted	aluated	bmitted	luated	mitted	la lated		mitted		Name and Capacity	and Capacity	luated and Capacity	luated and Capacity	mitted luated and Capacity	mitted luated and Capacity	mitted luated	mitted luated	mitted luated	Ibmitted Identity Ine and Capacity
				As Evaluated	ibmitted							mo.	mo.	mo.	Set	set	set	set	set		L.S.		۲.5.	unit	unit	each	each	unit			Unit											No. of Units	No. of Units	No. of Units	No. of Units	No. of Units	No. of Units	No. of Units	No. of Units	No. of Units	No. of Units
												6.73	6.73	6.73	1,00	1.00	4.00	2.00	1,00		1.00		1,00	1.00	1,00	2,00	2.00	2,00			Quantity											No. of Hour/s	No. of Hour/s	No. of Hour/s	No, of Hour/s	No. of Hour/s	No. of Hour/s	No. of Hour/s	No. of Hour/s	No. of Hour/s	No. of Hour/s
										***************************************		1,000.00	1,500.00	3,000.00	14,900.00	95,000.00	15,000.00	12,000.00	8,000.00		30.000.00		45,000.00	2,500.00	3,700.00	5,000.00	2,700.00	1,370.00			Unit Cost											Hourly Rate	Hourly Rate	Hourly Rate	Hourly Rate	Hourly Rate	Hourly Rate	Hourly Rate	Hourly Rate	Hourly Rate	Hourly Rate
383,001.90	200 604 06	18,266.76	7,00100	27 061 87		3	338,273.33			00,470,00	228 272 22	6,733.33	10,100.00	20,200.00	14,900.00	95,000.00	60,000.00	24,000.00	8,000.00		30,000.00		45,000.00	2,500.00	3,700.00	10,000.00	5,400.00	2,740.00			Amount (Php.)		44				±			*	1 1 1 1	Amount (Php.)	Amount (Php.)	Amount (Php.)	Amount (Php.)	Amount (Php.)	Amount (Php.)	Amount (Php.)	Amount (Php.)	Amount (Php.)	Amount (Php.)

ELWICK P. ACUÑA Engineer II

nboanga City Diversion Road, Cabaluay - Zambowood - Mampan Construction of Mercedes Bridge #1 Zamboanga City ion (Road Widening), Zamboanga City,

FORM-POW-2015-01D-00

Item No./Description

A.1.2(5)

Operation and Maintenance of 4 x 4 Pick-Up Type Service Vehicle for the Engineer 6.73 month

..

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

<u> </u>		1	_		H.2	.ł	G.2	<u> </u>	S	F.2		ري ا	T.		7		121		E.2 D	E.1	D.2 C	D.1 C		C.1 T			S	; ;			A 2	- 1	o l	}		
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	d. Miscellaneous	c. Engine Oil & Lubricants	b. Spare Parts	a. Diesel	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	Edulyheni	Name and Capacity	Sub-Total for A-2 As Evaluated	CAIPAI	ab I comi to i o a ba sabilitada	Sub-Total for A.1 As Submitted	a, Driver	Labor	Designation
					aluated	bmitted							L.S.	L,S,	L.S.	_		Unit											No. of Units					1		No. of Person/s
													1,00	1,00	1.00	2,020.00		Quantity											No, of Hour/s					1,616.00		No, of Hour/s
													30,000.00	9,393,00	40,000.00	31.00		Unit Cost											Hourly Rate					58,61		Hourly Rate
	39 511 071	CO.DUI,/	1	1	1	-	-	142,013.00				142,013.00	30,000.00	9,393,00	40,000.00	62,620.00		Amount (Php.)		ı		1	t	94,711.74					Amount (Php.)				94 711 74	94,711.74		Amount (Php.)

ELWICK P. ACUÑA
Engineer II

Prepared by:

Checked/Reviewed

Construction of By-Pass and Diversion Road mboanga City Diversion Road, Cabaluay - Zambowood - Mampan Construction of Mercedes Bridge #1 tion (Road Widening), Zamboanga City,

Zamboanga City

FORM-POW-2015-01D-00

Item No./Description

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

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

X.2	1 2	1		1.2	1.1	H.2			3	G 1		F. 2	ı)	Γ			_TI			E.2	Ľ.1	0.2	D.1	C.2	12	Γ	8,2				8.1				A.2							,	>				
Total Unit Cost - As Evaluated	Value Autou lax - As Evaluated	Value Added Tay - As Evaluated	Value Added Tax - As Submitted	Contractor's Profit - As Evaluated	Contractor's Profit - As Submitted	Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated	Overnead, contingencies & Miscellatieous (OCM) - As subtilitied	Dischard Continencies & Miscollander (DCM) As Sub-	Direct Unit Cost (F.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	Piloveija ievos 576 of Piateriai Cost	ŀ	a, Standard Stake Plan (800 mm x 910 mm) b. Blue Printing	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	lotai (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	 a. Total Station w/ Complete Accessories 	Equipment	Name and Capacity	Sub-Total for A-2 As Evaluated		Labor	Sub-Total for A-1 As Submitted	- 1		a, Geodetic Engineer	For Office Works		b. Skilled Laborer	a. Geodetic Engineer	For Field Works	Labor	Designation
						fluated	Jinitted	ni Hod									pc.		Unit												1		No. of Units						2	, ,		ω	3	1			No. of Person/s
																	100.00		Quantity)-ut		No. of Hour/s						ω	ω		jara.	j. rik	1			No. of Hour/s
																	400.00 25.00		Unit Cost												100,00		Hourly Rate						58,61	104.16		45.16	58,61	104.16			Hourly Rate
-	54 449 73	t	2,592,84		3,457.13	(60,001,0	5 1 05 50	-	43,214.07				11,025.00	JEJ.00	00 363	8,000.00 2,500.00		Amount (Php.)		32,189,07		0.04	1	1,287.56				207.96	107.96	100.00		Amount (Php.)				1,079.60		351,65	312,49		135.47	175.83	104.16			Amount (Php.)

ELWICK P. ACUÑA Engineer II

Checked/Reviewed

Construction of By-Pass and Diversion Road mboanga City Diversion Road, Cabaluay - Zambowood - Mampan Yon (Road Widening), Zamboanga City, Zamboanga City

FORM-POW-2015-01D-00

Item No./Description

B.5 Project Billboard/Signboard 4.00 each

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

<u>5.</u> 2	K.	3.2	3.1	1,2	1.1		ı J	I I	ତ.2	G.1	Γ	F.2					7.	,			E,2	E.	D.2	D.1	C ₂	C.1		B.2			В.1			A.2	T				<u></u>		
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	Continued control of the control of	Overhead Continuencies & Miscellaneous (OCM) - As Evaluated	Overhead, Confingencies & 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	d. Assoreted CW Nails	1	b. Tarpaulin (4' x 8")	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	Series of the se	ahor	Sub-Total for A-1 As Submitted	c. Unskilled Laborer	b. Skilled Laborer	a. Foreman	Labor	Designation
						indica	liraheri	mitted							kĢ.	bd.ft.	pc.	pc.		Unit												No. of Units					2	1	H		No. of Person/s
															4.00	200.00	4,00	4.00		Quantity												No. of Hour/s					16	16	16		No. of Hour/s
															65,00	37.00	1,000.00	750.00		Unit Cost												Hourly Rate					45,16	58.61	80,95		Hourly Rate
	18,471.60		879.60		1,1/2,80	7 173 00		1.759.20	ŧ	14,660.00				14,660.00	260.00	7,400.00	4,000.00	3,000.00		Amount (Php.)		ŧ			-	3,677.96				ŧ		Amount (Php.)				3,677.96	1,445.00	937.74	1,295.22		Amount (Php.)

ELWICK P. ACUÑA
Engineer II

Checked/Reviewed

Imboanga City Diversion Road, Cabaluay - Zambowood - Mampa Construction of Mercedes Bridge #1 Zamboanga City tion (Road Widening), Zamboanga City,

FORM-POW-2015-01D-00

Item No./Description

B.7
Occupation Safety & Health
6.73 month

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

..

				Total Unit Cost - As Evaluated	×.
279,962,32				Total Unit Cost - As Submitted	<u>~</u>
				Value Added Tax - As Evaluated	1.2
13,331,54				Value Added Tax - As Submitted	J.1
				Contractor's Profit - As Evaluated	1.2
19,750.43				Contractor's Profit - As Submitted	11
			luated	Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated	H.2
			omitted	Overhead, Contingencies & Miscellaneous (OCM) - As Submitted	±.1
				Direct Unit Cost (E.2+F.2) - As Evaluated	G.2
246,880.35				Direct Unit Cost (E.1+F.1) - As Submitted	G.1
				Sub-Total for F-2 As Evaluated	
					F.2
				Equipment	
26,760.00				Sub-Total for F-1 As Submitted	
T-1, 100,00	000,00	2,000	Ç.	u. Salety nats	
00 000 7.1	00,001	24.00	3 2	- 1	
360,00	00.00	24.00	pair		Ţ.
00,000,0	400.00	24,00	pair		
				Materials	
Amount (Php.)	Unit Cost	Quantity	Unit	Name and Specification	
				Direct Unit Cost (C,2 + D.2) - As Evaluated	
220,120.35				Direct Unit Cost (C.1 ÷ D.1) - As Submitted	E.1
				Output per Hour - As Evaluated	D.2
				Output per Hour - As Submitted	
				Total (A.2+B.2) - As Evaluated	
220,120.35				Total (A.1+B.1) - As Submitted	C.1
				Sub-Total for B-2 As Evaluated	
					8,2
				Equipment	
60,000.00				Sub-Total for B-1 As Submitted	
60,000.00				a. Warning Signs and Barricades	ļ
				Equipment	E .
Amount (Php.)	Hourly Rate	No. of Hour/s	No. of Units	Name and Capacity	
				Sub-Total for A-2 As Evaluated	
					A.2
				Labor	
160,120.35				Sub-Total for A-1 As Submitted	
- 7	0000	100000	1	•	
94.711.74	58.61	1616.00		h First Aider	
65,408.61	80.95	808,00		a. Safety Practioner	A
ode American	10017		1404 01 1 11 10 11 11 11		
Amount (Php.)	Hourly Rate	No. of Hour/s	No. of Person/s	Designation	
NOOTHER PROPERTY.					

ELWICK P. ACUÑA Engineer II

Prepared by

Checked/Reviewed

ımboanga City Diversion Road, Cabaluay - Zambowood - Mampai tton (Road Widening), Zamboanga City, Construction of Mercedes Bridge #1 Zamboanga City

FORM-POW-2015-010-00

Item No./Description

B.9 Mobilization & Demobilization 1.00 L.S.

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

>	Designation	No. of Person/s	No. of Hour/s	Hourly Rate
) -	Labor			
	Sub-Total for A-1 As Submitted			
> ປ	Labor			
<u> </u>	Sub-Total for A-2 As Evaluated			
	Name and Capacity	No. of Units	No. of Hour/s	Hourly Rate
	Equipment			
	a, Low Bed Trailer	μ.	48	
		1	48	
	1 1			
B.	d,			
,	ę,			
				Г
				1
				-
	Sub-Total for B-1 As Submitted			
	Equipment			1
7	Sub-Total for B-2 As Evaluated			
C	Total (A.1+B.1) - As Submitted			寸
	Total (A.2+B.2) - As Evaluated			П
<u>L</u>	Output per Hour - As Submitted			
	Output per Hour - As Evaluated			Г
E.1	Direct Unit Cost (C.1 ÷ D.1) - As Submitted			ı
	Direct Unit Cost (C.2 ÷ D.2) - As Evaluated			1
	Name and Specification	Unit	Quantity	
F,1	Materials			1
	Sub-Total for F-1 As Submitted			
	Materials			1
F.2	C. L. T. L. C.			┪┈
	Direct Unit Cost (E.1+F.1) - As Submitted			-
G.2	Direct Unit Cost (E.2+F.2) - As Evaluated			: ŧ
	Overhead, Contingencies & Miscellaneous (OCM) - As Submitted	mitted		
نــــــــــــــــــــــــــــــــــــــ	Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated	uated		11
	Contractor's Profit - As Submitted			1
上	Contractor's Profit - As Evaluated			
┸	Value Added Tax - As Submitted			
	Value Added Tax - As Evaluated			
	Total Unit Cost - As Submitted			
Š	Total Unit Cost - As Evaluated			

ELWICK P. ACUÑA Engineer II

Prepared by:

Checked/Reviewed

'amboanga City Diversion Road, Cabaluay - Zambowood - Mampy Construction of Mercedes Bridge #1 ction (Road Widening), Zamboanga City,

Zamboanga City

FORM-POW-2015-01D-00

Item No./Description

B.18(2)
Timber Structure
42.00 In.m.
0.125

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

Ī	JE	H.2	H.1	G.2	G,1		F.2						<u>;</u>				£.2	E I	2 0	2 5	315	7	 в.2		T				B.1				;	A V					A.1			
Value Added Tax - As Submitted	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	- 1	e 25 mm dia × 500 mm. Steel Bars	d. 25 mm dia. X 40 mm dia. Mach. Bolts	i.	b. 5" x 10" x 12' Coco Lumber	15	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 par Hour - As Submitted	Total (A 2+8 2) - As Subilities	Sub-lotal for 6-2 As Evaluated		Edubite	Sub-10tal for B-1 As Sub-Illitted	Sub-Total for B-1 As Submitted	Minor Tools 10% of Labor Cost		b. Drop Hammer	a. Truck Mounted Crane	Name and Capacity	Sub-Total for A-2 As Evaluated			Labor	Sub-Total for A-1 As Submitted	- 1	ı	h Skilled Laborer	Labor	Designation	1
		uated	mitted							7 -	DC.	pc.	ьd.ft.	bd.ft.	35	Unit												2	р.	1	No. of Units							6	6		No. of Person/s	
											1.96	710.00	91,43	357.143	6 86	Quantity												0.50	0.50	1.00	No. of Haur/s							1	⊢	-	No. of Hour/s	
											75.00	25.00	13.00	13.00	1 000 00	Unit Cost												1,212.00	200.00	2,606.00	Hourly Rate							45.16	58.61	80.98	Hourly Rate	
3,329.69	7,409,09	4 420 50	6,659.39		55,494,91				17,959.75		146.89	5,916.67	396.19	4,642.86	6 857 14	Amount (Php.)		37,535.16	4 - 4 - 4	0 13		4 604 00			0,000,00	3 989 T	70.35	1,212.00	100,00	2,606,00	Amount (Php.)					703.54		270,94	351.65	80.95	Amount (Php.)	

Prepared by: ELWICK P. ACUÑA Engineer II

Value Added Tax - As Evaluated
Total Unit Cost - As Submitted
Total Unit Cost - As Evaluated

Checked/Reviewed

Imboangs City Diversion Rosd, Cabaluay - Zambowood - Mampa Construction of Mercedes Bridge #1 Zamboanga City

FORM-POW-2015-01D-00

tion (Road Widening), Zamboanga City,

Item No./Description

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

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

χ. Σ.	J.2	<u>'</u>	1,2	Ī	1	5	H.1	G.2	<u>6</u> 1	Γ	· ·	—— د	T	 F.		E.2	£.1	D.2	D.1	C2	C1		B.2									A,2			 	⊥	,	
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 - AS SUPPRESENT	Contractor's Brofit - 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	Materials	Name and Specification	Direct Unit Cost (C.2 ÷ D.2) - As Evaluated	Direct Unit Cost (C.1 + D.1) - As Submitted	Output per Hour - As Evaluated	Output per Hour - As Submitted	Total (A,2+B.2) - As Evaluated	Total (A.1+B.1) - As Submitted	Sub-Total for B-2 As Evaluated		Equipment	Sub-Total for B-1 As Submitted	Minor Loois 10% of Labor	b. Backhoe (0.	مو	Equipment	Name and Capacity	Sub-Total for A-2 As Evaluated		Labor	Sub-Total for A-1 As Submitted	 	b. Skilled Laborer	a, Foreman	Designation
					dianese.	ali iated	bmitted								Unit												,	2		No. of Units					2			No. of Person/s
															Quantity												J	1		No. of Hour/s					1	p= *	_	No. of Hour/s
															Unit Cost												1,537,00	1,420,00		Hourly Rate					45,16	58.61	80,95	Hourly Rate
	104.50	13.89	,	75:51	18.52	1	27.78	1	231.49				-		Amount (Php.)		231.49		20.00	1	4,629.86				4,399.99	26.77	1,537.00	2,840.00		Amount (Php.)				229.87	90.31	58,61	80,95	Amount (Php.)

Engineer II

smboanga City Diversion Road, Cabaluay - Zambowood - Mampa Construction of Mercedes Bridge #1 Zamboanga City

FORM-POW-2015-01D-00

tion (Road Widening), Zamboanga City,

Item No./Description

103(2)b Bridge Excavation, Soft Rock 1,126.60 cu.m. 14.00

..

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

				Value Added Tax - As Submitted Value Added Tax - As Evaluated Total Unit Cost - As Submitted Total Unit Cost - As Evaluated	K2 K1
				Contractor's Profit - As Submitted	1.2
			luated	Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated	H.2
			mitted	Overhead, Contingencies & Miscellaneous (OCM) - As Submitted	Ξ (
				Direct Unit Cost (E.1+F.1) - As Submitted	ດ ເຄ
				Sub-Total for F-2 As Evaluated	
				Edobuscii	F.2
				Sub-Total for F-1 As Submitted	
				Materials	;Ti
	Unit Cost	Quantity	Unit	Name and Specification	
				Direct Unit Cost (C.2 ÷ D.2) - As Evaluated	E,2
$oldsymbol{\perp}$				Direct Unit Cost (C.1 ÷ D.1) - As Submitted	E L
				Output per Hour - As Submitted	D.1
L				Total (A.2+B.2) - As Evaluated	C,2
				Total (A.1+B.1) - As Submitted	C1
				Sub-Total for B-2 As Evaluated	
					B.2
┸				Equipment	
				Sub-Total for B-1 As Submitted	
L				Minor Tooks 10% of Labor	
C	1,998,10	0,5	1	e ×	
٥١٥	1,537.00	0.5	part.		B.1
	1,420.00	ا ا	2	Equipment a. Dump Truck (12 cu.yd.)	
	Hourly Rate	No, of Hour/s	No, of Units	Name and Capacity	
Ш				Sub-Total for A-2 As Evaluated	
\perp					A.2
				Labor	
				Sub-Total for A-1 As Submitted	
0	45.16	1	2	c. Unskilled Laborer	
1	58.61	1	1	b. Skilled Laborer	A.1
Ų.	80.95	H	L	a. Foreman	
	Hourly Rate	No. of Hour/s	No. of Person/s	Designation	
l					ĺ

Prepared by: ELWICK P. ACUÑA Engineer II

Checked/Reviewed

amboanga City Diversion Road, Cabaluay - Zambowood - Mampa Construction of Mercedes Bridge #1 Zamboanga City ction (Road Widening), Zamboanga City,

FORM-POW-2015-01D-00

Item No./Description

400(1)a1
Precast Concrete Piles, furnished (400 mm x 400 mm)
3,000.00 m.
2.50

..

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

K.2	3.2	J.1	1.2	1.1	H.2	H.L	G.2	G.1		F.2] }						 ······································	TI						_ !	Ē		밀			2.0			 			B.1					 A.2			 	A,1		
Total Unit Cost - As Submitted Total Unit Cost - As Evaluated	Value Added Tax - As Evaluated	Value Added Tax - As Submitted	Contractor's Profit - As Evaluated	Contractor's Profit - As Submitted	Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated	Overhead, Contingencies & Miscellaneous (OCM) - As Su	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	c. Base Course	p. 6000 Lumber - 4 uses		Casting Bed	- 1	e Marine Plywood, 1/2" x 4' x 8' - 4 uses		c. #16.G.I. Tie Wire (2% of BSB)			Name and Specification	Direct Of lit cost (c.z ÷ D.z) - As Evaluated	Direct Unit Cost (C.1 + D.1) - As Submitted	Output per Hour - As Evaluated	Output per Hour - As Submitted	Total (A.2+B.2) - As Evaluated	Total (A.1+B.1) - As Submitted	Sub-Total for R-2 As Evaluated	Equipment	Sub-Total for B-1 As Submitted	Minor Tools 10% of Labor Cost			c. Plate Compactor (5 hp), for Casting Bed	h Concrete Vibrator	Equipment 3 50 cum 1 1 x80-20	Name and Capacity	Sub-Total for A-2 As Evaluated		Lapor	Sub-Total for A-1 As Submitted	b. Unskilled Laborer	b. Skilled Laborer	a. Foreman	Designation
					aluated	bmitted							cu.iii.	Darie.	cu.m.		ķ	DC.	bd. ↑	r i	ko .	21 8	Unit											1	1	1	1		No. of Units					8	4	1	No. of Person/s
													0.00	1.00	0.03		0.163	0.268	15.333	0.809	40.45	0 17	Quantity											0.28	0.28	0.28	0.1	0.5	No. of Hour/s					ļ	1	J rak	No. of Hour/s
													CO.TOO	20,70	4,200,00		73,00	1,100.00	37.00	100.00	38.00	4 250 00	Unit Cost											219.75	351.50	123,00	91.25	1.733.00	Hourly Rate					45.16	58.61	80.95	Hourly Rate
4,374.81	1	208.32		277.77		416.65	440 07	3,4/2.0/	ים ניג ני			2,7t0,37	2 7/2 2/	E1 65	1.25,00		11,90	73.70	141.83	80.90	1.537.10	714.00	Amount (Php.)		/25./3		2,50		1,814.31			1,137.68	67.66	61,53	98.42	34,44	9,13	866.50	Amount (Php.)				676.64	361.25	234,44	80.95	Amount (Php.)

ELWICK P. ACUÑA Engineer II

Prepared by:

ımboanga City Diversion Road, Cabaluay - Zambowood - Mampa (tion (Road Widening), Zamboanga City, Construction of Mercedes Bridge #1

Zamboanga City

FORM-POW-2015-01D-00

Item No./Description

400(6)
Structural Steel Sheet Piles, furnished
2,916.00 In.m.
72.00

..

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

				COMMITTEE COMPANY AND THE PROPERTY OF THE PROP	L
3,135.64				Total Unit Cost - As Submitted	SE
				Value Added Tax - As Evaluated	1,2
149.32				Value Added Tax - As Submitted	Ĺ
-				Contractor's Profit - As Evaluated	L
199.09				Contractor's Profit - As Submitted	
			luated	Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated	H.2
298.63			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	
					F.2
				Marenais	1)
2,448.00				Sub-Total for F-1 As Submitted	T
					····
48.00			*	Miscellaneous 2% of Materials Cost	ĩ
2,400.00	50.00	48.00	ξ	a. Steel Sheet Pile KSP II (delivered at site)	1
Amount (Php.)	Unit Cost	Quantity	Unit	Name and Specification	
				Direct Unit Cost (C.2 ÷ D.2) - As Evaluated	E,2
40.60				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
r				Total (A.2+B.2) - As Evaluated	C,2
2,923.33				Total (A.1+B.1) - As Submitted	ũ
				Sub-Total for B-2 As Evaluated	
					8.2
				Equipment	
2,634.85				Sub-Total for B-1 As Submitted	
20,03				TRITOL TOOLS TO TO CHEMINI COST.	
20 0C	2,000.00	+	۲	Minor Toole 100% of Labor Toot	8.1
00 505 C	2 505 00	1		Equipment 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	
					A.2
				Labor	
288,48				Sub-Total for A-1 As Submitted	Π
				: :	
90.31	45.16	1	2	- 1	
117.22	58.61	1	2		A.1
80.95	80.95	1	_	a. Foreman	
Amount (Pnp.)	Hourly Kate	No. of Hour/s	No. of Person/s	Designation	
		NI		7	

ELWICK P. ACUÑA Engineer II

Checked/Reviewed

Item No./Description

400(12)
Structural Steel Sheet Piles, driven
2,424.00 In.m.
10.00

..

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

52		\perp		ı	H.2	.1	.1			o l	F.2 -	Γ	1/6	 ارد		1	1		احا		E.2 [1	in I	B.2		101	1-	· (T	В.1		1,	A I		101	A. 2	· >	·	(0)	1		A L	1	
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 Eva	Overnead, Contingencies & Miscellaneous (OCM) - As Submitted	Direct Unit Cost (E.2+F.2) - As Evaluated	Direct Offic Cost (E.T+E.T) - As administration	Diract Linit Cost (E 1 LE 1) - As Submitted	Cub.Total for E-2 Ac Evaluated		Materials	Sub-Total for F-1 As Submitted	či l	_ -	C. Coco Log - 2 uses	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 B-2 As Evaluated		 Equipment	Sub-Total for B-1 As Submitted	MINOT LOOIS 10% OF LADOF COST	Out	d. Welding Machine (500 A), Electric Driven	c. Generator Set (700 kW)	1 1	a. Truck Mounted Crane (41 - 45 mt)	raine and capacity	Name and Caparity	Sub-Total for A-2 As Evaluated			Labor	Sub-Total for A-1 As Submitted	p, orianiica Eaporci		a. Foreman	Labor	Designation
					luated	mitted									ka.	M.	set	kĢ.		Unit												344	₽	1	1	,	30, 01 0118	No of Linite							6	1		No. of Person/s
															0.02	0.19	0.0096	0.024		Quantity												0.5	1	1	1	P-II-	Mar of Hours	No of Bourte						_		ļ.		No. of Hour/s
															73.00	00.00E	2,500.00	163,00		Unit Cost												45,45	391,00	2,147.27	3,069.00	2,606.00	logity Rate	Doughy Date						OT 10.	25,01	80,95		Hourly Rate
Africa	1 721 01	58.66		78.22		117.32		9//./0	077 70				76.71	1,50	1,46	75.75	24.00	3,91		Amount (Php.)		900,99		10.00	2	9,009,89				8,306.35	/0.35	22.73	391.00	2,147.27	3,069.00	2,606.00	Allouit (rilp.)	Amount (php.)					703.54	75.072	351,05	80.95		Amount (Php.)

Prepared by: ELWICK P. ACUÑA Engineer II

Checked/Reviewed

FORM-POW-2015-01D-00

Designation No. of Person/s No. of Hour/s Hourly Rate Amount (Php.)	1,216.00 m. 2.40 No. of Person/s No. of Hour/s Hourly Rate	Item No./Description : 400(14) Precast Concrete Piles, driven (soft strata)
---	---	--

-				Total Crift Cost As Evaluated	7.4
1,926.60				Total Unit Cost - As Submitted	
				Value Added Tax - As Evaluated	╙
91,74				Value Added Tax - As Submitted	<u> </u>
				Contractor's Profit - As Evaluated	1.2
122,32				Contractor's Profit - As Submitted	
-			luated	Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated	
183,49			omitted	Overhead, Contingencies & Miscellaneous (OCM) - As Sul	
_				Direct Unit Cost (E 7+E 7) - As Evaluated	3
1,529,04				Direct Unit Cost (E,1+F,1) - As Submitted	
				Sub-Total for F-2 As Fualuated	
					F.2
				Marenals	
200.30				Day-lord of 1-1 AS Subjilited	
366.38				Con Total for 5.1 As Submitted	
01./				Miscellaticons 7% of Material Cost	1
2,40	2,500.00	0.01	351	à	_ (
02.11	00.00	0.10	ĸĢ.	1	
148.00	37.00	16,00	pa.rt,	1	TI i→
1/5.00	350.00	1,00	. a.	Coco Logs - 2 uses	_
				187	
Amount (Php.)	Unit Cost	Quantity	Unit	Name and Specification	
				Charles Commenced (and a City) to Designation	┸
				Direct I full Cost (C.2 + D.2) - As Evaluated	-
1.162.66				Direct Unit Cost (C.1 + D.1) - As Submitted	E :
				Output per Hour - As Evaluated	
2.40				Output per Hour - As Submitted	D.1
*				Total (A.2+B.2) - As Evaluated	1
2,790.39			D.L.	Total (A.1+B.1) - As Submitted	_1
				Sub-Total for B-2 As Evaluated	, a I
					8.2
				Equipment	_
2,086.84				Sub-Total for B-1 As Submitted	/6T
70.35				₹ 1	-1
00.561	965,00	0.20	1	f. Air Compressor (356 - 450 cfm)	
60.00	150.00	0.20	2	e. Jack Hammer	
9.09	45.45	0.20	Ľ	d. Cutting Outfit	_
26.00	200.00	0.13		c. Drop Hammer	
347.22	1,286.00	0.27	1	b. Diesel Hammer (K25 or equivalent)	
1,381.18	2,606.00	0.53	μ.	a. Truck Mounted Crane (41 - 45 mt)	
				Equipment	len i
Amount (Php.)	Hourly Rate	No. of Hour/s	No. of Units	Name and Capacity	
				Sub-Total for A-2 As Evaluated	10
					A.2
				Labor	1
703,54				Sub-Total for A-1 As Submitted	(6)
270.94	45.16	1	6		
351.65	58.61	J-4	6		A.1
80.95	80,95	Ľ	Ļ	a, Foreman	
				Labor	=1
Amount (Php.)	Hourly Rate	No. of Hour/s	No. of Person/s	Designation	

Prepared by: ELWICK P. ACUÑA Engineer II

Checked/Reviewed

Construction of By-Pass and Diversion Ro : Amboanga City Diversion Road, Cabaluay - Zambowood - Mamp (ction (Road Widening), Zamboanga City, 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

				Total Unit Cost - As Evaluated	
				Total Unit Cost - As Submitted	
				Value Auded Tay - As Subilitied	\perp
				Contractor's Profit - As Evaluated	L
				Contractor's Profit - As Submitted	┸
			luated	Overhead, Contingencies & Miscellaneous (OCM) - As Ev	
			mitted	Overhead, Contingencies & Miscellaneous (OCM) - As Submitted	1
				Direct Unit Cost (E.2+F.2) - As Evaluated	G.2
				Direct Unit Cost (E.1+F.1) - As Submitted	L
				Sub-Total for F-2 As Evaluated	_
					F.2
				* * **********************************	
				Materials	
				Sub-Total for F-1 As Submitted	
				Miscellaneous 2% of Material Cost	1
	2,520.00	1,00	n.	눐	
	2,500.00	0.01	set	d. Oxy/Acetylene	Ţ
	70.00	0.16	kģ		Ξ
	37.00	16.00	bd.ft.	b. Good Lumber (Falsework) - 4 uses	,
	350.00	2.00	m.		,
Amount (Php.)	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	ш
				Output per Hour - As Submitted	D.1
				Total (A.2+B.2) - As Evaluated	
				Total (A.1+B.1) - As Submitted	
				Sub-Total for B-2 As Evaluated	
				Equipment))
				Sub-Total for B-1 As Submitted	
				Minor Tools 10% of Labor Cost	1
	965.00	0,20	д	pres	•
	150.00	0.20	2	e. Jack Hammer	
	45,45	0.20	1	d. Cutting Outfit	
	200.00	0.13	H	c. Drop Hammer	70
	1,286.00	0.27	1	b. Diesel Hammer (K25 or equivalent)	
	2,606.00	0,53	ш	a. Truck Mounted Crane (41 - 45 mt)	1
				Equipment	I
Amount (Php.)	Hourly Rate	No. of Hour/s	No. of Units	Name and Capacity	
				Sub-Total for A-2 As Evaluated	(0)
					,
					> J
				Labor	I
				Sub-Total for A-1 As Submitted	(0)
				- 1	_
	45.16	1	6		,
	58.61	_	6	b. Skilled Laborer	Α.1
	80.95	1	1	a, Foreman	
				Labor	- 1
Amount (Php.)	Hourly Rate	No. of Hour/s	No. of Person/s	Designation	

Prepared by: ELWICK P. ACUÑA
Engineer II

Checked/Reviewed

JAV WWW ISIDRA A. ESTANISLAO
Engineer IV

FORM-POW-2015-01D-00

Item No./Description

404(1)a Reinforcing Steel, Grade 40 3,441.71 kg. 180.00

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

2	ς <u>ι</u>	3 1	1.2	I	H.2	Ξ	G.2	6	Τ	;	-					<u></u>			E.2	E.1	D.2	D.I	2			7.0	ر 1					<u>!</u>	,,,		, <u>-</u>	Γ	·····			 	1		
Total Unit Cost - As Evaluated	Total Linit Cost - As Submitted	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 5% wastage)	Þ	ņ	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	AL AND PROPERTY.	- 1	c. Bar Cutter	a. Service craise (zz = z3 inc.) h. Camo Truck (9 = 10 mt.)	<u> </u>	Name and Capacity	Sub-Total for A-2 As Evaluated		Labor	Sub-Total for A-1 As Submitted	 b, Unskilled Laborer	b. Skilled Laborer	a. Foreman	Designation
					Muated	bmitted									kg.	kg.		Unit													p.4			A	No. of Units					8	2	ഥ	No. of Person/s
															1,05	0.021		Quantity													0.50	0.50	0.15	0 15	No. of Hour/s					1	⊥	Ľ	No. of Hour/s
															38.00	100.00		Unit Cost													351.50	219.75	1.212.00	1 522 00	Hourly Rate					45.16	58.61	80.95	Hourly Rate
7	61 71			3,92	1	5.88	7	48.97					42.00		39,90	2.10		Amount (Php.)		6.97		180.00	,	1,255.14					695.73		175.75	109.88	181.80	UE 86.6	Amount (Php.)				559.42	361.25	117.22	80.95	Amount (Php.)

ELWICK P. ACUÑA Engineer II

Prepared by:

Zamboanga City Diversion Road, Cabaluay - Zambowood - Mamp ction (Road Widening), Zamboanga City, Zamboanga City

FORM-POW-2015-010-00

Item No./Description

404(1)b Reinforcing Steel, Grade 60 47,668.78 kg. 180.00

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

2 2) <u> </u>	71.	٦	1 7	5		3	G.1		F.2		T	•		-	n •	<u></u> -		E,2	E.I	D.2	1.0		C		 B.2		T				8.1				Π	 A 2			 	-	>		
Total Unit Cost - As Submitted Total Unit Cost - As Evaluated	Value Audeu Tax - As Evaluated	Value Added Tax As Submitted	Cortu actor S Profit - AS Evaluated	Contractors Profit - As Subflicted	Control Post A School of Control	Overhead Continuencies & Miscellaneous (OCM) - As Submitted	Overhead Continuencies & Miscellaneous (OVM) - As Sub-	Direct I Init Cost (E 2+E 2) - As Evaluated	Direct Unit Cost (E,1+F,1) - As Submitted	Sub-Total for F-2 As Evaluated		Fight (al.)	Mahadale	Sub-Total for E-1 As Submitted	(with 5% wastage)	b. Reinforcing Steel Bar	a. Tie Wire (2% of RSB)	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	Culput per Hour - As Submitted	Outside As Evaluated	Total (A.1+B.1) - As Submitted	Sub-Total for 8-2 As Evaluated		Equipment	Sub-Total for 8-1 As Submitted	O. F. Walt Co. D. A. C. Andillad	d. Bar Bender	c. Bar Cutter	b. Cargo Truck (9 - 10 mt.)	a. Service Crane (21 ~ 25 mt.)	Equipment	Name and Capacity	Sub-Total for A-2 As Evaluated		Labor	Sub-Total for A-1 As Submitted	b. Unskilled Laborer		a, Foreman	Labor	Designation
					nateu	Irakod	mittod									kg.	kg.		Unit												Ļ	1	H	Ţ		No. of Units					8	2	,		No. of Person/s
																1.05	0.021		Quantity												0.50	0.50	0.15	0.15		No. of Hour/s					1	1	;-4		No. of Hour/s
																40,00	100.00		Unit Cost												351.50	219.75	1,212.00	1,522.00		Hourly Rate					45.16	58.61	56.08		Hourly Rate
64.35	1	3.00	206	4.09	73	0.10	613	1	51,07					44 10		42.00	2.10		Amount (Php.)		6.97		180.00		1,255.14				695.73		175.75	109.88	181.80	228,30		Amount (Php.)				559,42	361.25	117.22	80.95		Amount (Php.)

ELWICK P. ACUÑA Engineer II

Prepared by:

Checked/Reviewed

FORM-POW-2015-01D-00

Item No./Description

405(1)b3 Structural Concrete, Class "A" 717.11 cu.m. 10.00

. . ..

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

outher but took to exchange	- didakad		- The statement of the		NATIONAL CONTRACTOR AND
	Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
Labor	Labor			i 1	

K.1 J.2 K.1	1.2	1.1			_	G 1		F.2		,				ī					E.2				SE		В.2			-,-			8.1	· .			+	A.2		······				A.1		·		
Value Added Tax - As Submitted Value Added Tax - As Evaluated Total Unit Cost - As Submitted Total Unit Cost - As Evaluated	Contractor's Profit - As Evaluated	Contractor's Profit - As Submitted	Overhead, Contingencies & Miscelianeous (OCM) - As E	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		f. Curing Compound	1 1		d Cement	C Accorded CMNI	b blunced (1/2" × 4" × 8") - 4 uses	124	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	Sub-Total for B-2 As Evaluated		Equipment	Sub-Total for B-1 As Submitted	f. Crawler Crane w/ Bucket (36 - 40 mt.)	e. Water Truck/Pump (16000 L)	1 T	- 1	ı	Equipment a. Transit Mixer (5 cu.m.)	Name and Capacity	Sub-Total for A-2 As Evaluated	CADO	Sub-Total for A-1 As Submitted			a. Skilled Laborer	a Foreman	c. Olisvilled Laborer	1	a. Foreman	Labor	Designation
			As Evaluated	Submitted								cu.m.	cu.m.	bao	Š ?	DU.R.	r.	Unit										-	1-4	1	<u>⊢</u>	2	2	No. of Units					8	4	1	0	8 4	pr.		No. of Person/s
											1.00	1.00	0.50	10.50	1.00	1.50	100.00	Quantity										0.5	0.25	0.5	0.5	P		No. of Hour/s					1	L .			1	,		No. of Hour/s
											35,00	1,441.05	1,651,05	304.00	73.00	00.70	37.00	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 0S	61.64	58,61	80,95		Hourly Rate
453.97 - 9,533.47 -		605.30	-	907.95		7,566.25			6,799,08		35.00	1,441.05	825.53	3 192 00	73.00	03.526		Amount (Php.)		767.17	10.00	10.00	7,1/2//	7 67 173 7			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 Q5	25.100	234,44	80.95		Amount (Php.)

Prepared by: ELWICK P. ACUÑA Engineer II

Checked/Reviewed

Zamboanga City Diversion Road, Cabaluay - Zambowood - Mamp sction (Road Widening), Zamboanga City, Construction of Mercedes Bridge #1 Zamboanga City

FORM-POW-2015-01D-00

Item No./Description

407(8) Lean Concrete 13.61 cu.m. 1.40

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

				Total Unit Cost - As Evaluated	K.2
7 324 85				Total Unit Cost - As Submitted	្ឋា
J 10:00				Value Added Tax - As Evaluated	
348.80				Value Added Tax - As Submitted	ᇤ
4				Contractor's Profit - As Evaluated	
465.07				Contractor's Profit - As Submitted	I.1
-			uated	Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated	H.2
697.61			mitted	Overhead, Contingencies & Miscellaneous (OCM) - As Submitted	Ξ
±				Direct Unit Cost (E.2+F.2) - As Evaluated	G.2
5,813.38				Direct Unit Cost (E.1+F.1) - As Submitted	
				Sub-Total for F-2 As Evaluated	
					F,2
				Materials	
5,154.58				Sub-Total for F-1 As Submitted	
1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1	*/				
1 441 05	1.441.05	1.00	cu.m.		
825.53	1,651.05	0.50	cu.m.	b. Sand	7
2,888,00	304,00	9,50	bag	a. Cement	Tī
				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
1				Total (A,2+B.2) - As Evaluated	C.2
922.32				Total (A.1+B.1) - As Submitted	L
				Sub-Total for B-2 As Evaluated	
					В.2
				Equipment	
692,45				Sub-Total for B-1 As Submitted	
121.20	1,212.00	0.1	<u> </u>		
351.50	351.50	<u>, .</u>	1	b. Concrete Vibrator	ï
219.75	219.75	<u>F</u>	1	a. One Bagger Mixer	
				Equipment	
Amount (Php.)	Hourly Rate	No. of Hour/s	No. of Units	Name and Capacity	
				Sub-Total for A-2 As Evaluated	
					>
72,0/				lakor	
200 67				Sub-Total for A-1 As Submitted	
90.31	45,16	1	2	c. Unskilled Laborer	
58,61	58.61	1	1		
80,95	80.95	1	1	1	₽
				Labor	
Amount (Php.)	Hourly Rate	No, of Hour/s	No. of Person/s	Designation	,

Prepared by: ELWICK P. ACUÑA Engineer II

Checked/Reviewed

Construction of By-Pass and Diversion Rc Zamboanga City Diversion Road, Cabaluay - Zambowood - Mamp Construction of Mercedes Bridge #1 Zamboanga City

FORM-POW-2015-01D-00

sction (Road Widening), Zamboanga City,

Item No./Description

412(1)
Elastomeric Bearing Pad
16.00 each
1.00

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

				Livial Dilit Cost - As Evaluated	1
20,712.37				Total Unit Cost - As Submitted	Т.
_				Value Added Tax - As Evaluated	
986.30				Value Added Tax - As Submitted	
1				Contractor's Profit - As Evaluated	
1,315,07				Contractor's Profit - As Submitted	Ξ
1			uated	Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated	
1,972.61			milted	Overhead, Contingencies & Miscellaneous (OCM) - As Submitted	_
*				Direct Unit Cost (E.2+F,2) - As Evaluated	┺.
16,438.39				Direct Unit Cost (E.1+F.1) - As Submitted	G.1
				Sub-Total for F-2 As Evaluated	
					F.2
10,107.13				Materials	
16 167 13				Sub-Total for F-1 As Submitted	
17.13				Miscellaneous 10% of Labor	
16,150.00	16,150.00	1.00	each	굽	7.1
Amount (Pnp.)	OUIT COST	Qualitity	č	Materials	
			2	Name and Specification	
2/1,20				Direct Unit Cost (C.2 + D.2) - As Evaluated	
27, 76				Direct Unit Cost (C.1 + D.1) - As Submitted	F .
1.00				Output per Hour - As Supmined	
				Total (A.2+B.2) - As Evaluated	
271.26				Total (A.1+B.1) - As Submitted	1
				Sub-Total for 8-2 As Evaluated	
					В.2
				Equipment	
100.00				Sub-Total for B-1 As Submitted	
100.00	100.00	pub.	1	a. Wood/Steel Ladder	
				Equipment	D27
Amount (Php.)	Hourly Rate	No. of Hour/s	No. of Units	Name and Capacity	
				Sub-Total for A-2 As Evaluated	
					3
					ر >
				Labor	
171,26				Sub-Total for A-1 As Submitted	
90.31	45.16	1	2	b.	A.1
80 05	an ar	-	-	a, Foreman	
Amount (Php.)	Hourly Rate	No. of Hour/s	No. of Person/s	Designation	
					ļ

ELWICK P. ACUÑA Engineer II

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

Ã.	: 12	J,1	1.2	I.I	Н.2	Ξ.	G.2	G.1	Π	F.2						F					E.2	E.1	D.2	D.1	្ណ	2		ກ ວ	T	 		B.1					 A.2			•		A.1		
Total Unit Cost - As Submitted Total Unit Cost - As Evaluated	Value Added Tax - As Evaluated	Value Added Tax - As Submitted	Contractor's Profit - As Evaluated	Contractor's Profit - As Submitted	Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated	Overhead, Contingencies & Miscellaneous (OCM) - As Submitted	Direct Unit Cost (E.2+F.2) - As Evaluated	Direct Unit Cost (E.1+F.1) - As Submitted	Sub-Total for F-2 As Evaluated		Materials	Sub-Total for F-1 As Submitted	Miscellal rous 5% of Material Cost	Vien		<u>ن</u>	ē	a. Structural Steel - MS Plate	Materials	Name and Specification	Direct Unit Cost (C.2 ÷ D.2) - As Evaluated	Direct Unit Cost (C.1 ÷ D.1) - As Submitted	Output per Hour - As Evaluated	Output per Hour - As Submitted	Total (A,2+B,2) - As Evaluated	Total (A,1+B,1) - As Submitted	Sub-Total for B-2 As Evaluated	Equipment	Sub-Total for B-1 As Submitted	Minor Tools 10% of Labor Cost	ប	9	a. Truck Mounted Crane	Equipment	Name and Capacity	Sub-Total for A-2 As Evaluated		Labor	Sub-Total for A-1 As Submitted		b (Inchilled Laborer	7 9		Designation
					luated	mitted								Set	£ 5.	kg.	kg.	kg.		Unit											2	2	ш		No. of Units					·	2	ר ע	4	No. of Person/s
														00.0	0./5	25.44	446.51	899.22		Quantity											0.33	0.33	ابر		No, of Hour/s					-	+	.* F	•	No. of Hour/s
														00.000,2	163.UU	40.00	48,00	47.00		Unit Cost											45,45	371.00	2,606.00		Hourly Rate						75.0C	58.61	אט סג	Hourly Rate
54/,930.14	777 000 44	26,091.91	-	34,789.22	*	52,183.82		434,865.19				69,389.95	07.700%	00.0627	122.25	1,017.60	21,432.48	42,263.34		Amount (Php.)		365,475.24		0.01	1	3,654.75			2,951.21	70.35	30.00	244.86	2,606.00		Amount (Php.)				703.54	(A) (A) (A)	370.04	351 65	20 05	Amount (Php.)

ELWICK P. ACUÑA Engineer II

Construction of By-Pass and Diversion Ro 'Amboanga City Diversion Road, Cabaluay - Zambowood - Mamp(xtion (Road Widening), Zamboanga City, Zamboanga City

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

K.2 To		J.1 Va		1			L.,	<u> </u>		F.2	3	Su		9	, <u>~</u>		1. 1	E.1 Dir	!			C,1 To		2.8	T 6	2		ib.	ē	Ü	Þ.	B.1		1	-	e E	<u> </u>	Su	 []	A.2	ı	[5	Su		A.1.		<u>.</u>	
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	Consumation 270 of Place laid Cost	Consumables	ାନ୍ଦ	Name and Specification	Direct Unit Cost (C.2 ÷ D.2) - As Evaluated	Direct Unit Cost (C.1 \div D.1) - As Submitted	tput 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	E CALLEST TE	For imment	h-Total for B-1 As Submitted	Minor Tools 10% of Labor	Swivel Clamp	G.I. Pipe Schedule 40 (75 mm. dla.) x 6 m. long	Adjustable Base Jack	Adjustable U-jead Jack	8 pcs. Joint Pins	4 pcs. Horizontal Braces	4 pcs. Diagonal cross braces	- 1	Equipment a. H-Frame 1.7 m. x 1.2 m., set	Name and Capacity	Sub-Total for A-2 As Evaluated				Labor	Sub-Total for A-1 As Submitted		- 1	Foreman	Labor	Designation
					uated	mitted								. בייני	£	Unit												227	349	56	56					112	No. of Units							8	4	1		No. of Person/s
														20,000,00	35 000 00	Quantity												120	120	120	120					120	No. of Hour/s							150	150	150		No. of Hour/s
														3/.00	27.70	Unit Cost												0.13	0.31	0.11	0.11					0.76	Hourly Rate							45.16	58.61	80.95		Hourly Rate
482,169.59	-	22,960,46	L	30,613,94	,	45,920.91	•	382,674.28				242,812.50	11,302,30	11 563 50	20, 20, 20, 20, 20, 20, 20, 20, 20, 20,	Amount (Php.)		139,861.78		1		139 861 78			30,300.34	20.00	10,149,54	3,541.20	12,982.80	739.20	739.20					10 214 40	Amount (Php.)						101,495.44	54.187.50	35,165,25	17 142 69		Amount (Php.)

ELWICK P. ACUÑA Engineer II

Construction of By-Pass and Diversion Ro 2 / Amboanga City Diversion Road, Cabaluay - Zambowood - Mamp (Road Widening), Zamboanga City, Zamboanga City

FORM-POW-2015-01D-00

Item No./Description

: 508(1)

Hand Laid Rock Embankment
: 972.61 cu.m.
: 3.125

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

	Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
	Labor				
<u>-</u>	a. Foreman	H	ı.	80.95	80.95
;	ģ	2	1	58.61	117,22
		8	Ľ	45.16	361.25
	Sub-Total for A-1 As Submitted				
	Labor				
٥ د					
i					
	Can Com Co Literature				
	Name and Capacity	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
D ~*	Equipment				
Ş					55.94
	Sub-Total for R-1 As Submitted				5.T. 0.4
	Equipment				***************************************
B.2					
2	Sub-Total for B-2 As Evaluated				
្ស	Total (A.2+B.2) - As Evaluated				
D.1	Output per Hour - As Submitted				3,13
D.2	Output per Hour - As Evaluated				
ı.	Direct Unit Cost (C.1 ÷ D.1) - As Submitted				196.92
	Name and Specification	- India	O install	I lait Coat	Amount (Phy.)
					(
£1	Mat				
	a. Boulder	cu.m.	1,05	1,281.05	1,345,10
	Sub-Total for F-1 As Submitted				1,345.10
	Materials				
F.2					
	Sub-Total for F-2 As Evaluated				
6.1					1,542.02
G.2	Direct Unit Cost (E.2+F.2) - As Evaluated				
Н.1		nitted			185,04
Н.2		uated			
1.1	Contractor's Profit - As Submitted				123,36
1.2	Contractor's Profit - As Evaluated				
3 E	Value Added Tay - As Submitted				92,52
Š	Total Light Cost - As Submitted				1 942 94
2	Total Unit Cost - As Evaluated				1

ELWICK P. ACUÑA
Engineer II

Prepared by:

UNIT COST ANALYSIS FOR HAULING COST FOR PORTLAND CEMENT

TOTAL QUANTITY REQUIREMENTS FOR PORTLAND CEMENT

7,793,95	IOIAL
129.30	Lean Concrete
7,529.66	Structural Concrete, Class "A"
135.00	Construction of Field Office for the Engineer
QUANTITY (Bags)	DESCRIPTION

Quantity = 7,793.95 Bags

Delivery Charge = P 0,120 /bag/km.

20.00	Batching plant
20,00	
HAULING DISTANCE	SITE

^{*}Average havling distance from Source to assumed Stockpiling area: say 20,00 km.

Delivery Charge = P 0.120 **2.40** / bag 20.00

*Delivery Truck 7,793.95 bags., (hauling works)
20,000.00 kgs., (capacity per haul)
500.00 bags., (capacity per haul)

ç

*Capacity of Laborers unloading bags of Cement from Delivery Truck:

Assume { 10 } laborers can unload 500.00 bags of Cement.

*Dumpfruck {10 Wheeler} days computation: TIME-MOTION ANALYSIS Speed when loaded : 30.00 kph

Speed when unloaded Loaded running 20.00 40.00 60 40.00 mins.

Unloaded running 20.00 40.00 mins, 60 30.00 mins.

Loading and Unloading allowance for delay/traffic Capacity of Dumptruck 500.00 45.00 3.00 8.00 sgpd mins. cum.

Dumptruck daily output Using (3) Dumptrucks No. of trips for Dumptruck per Total Cycle time ti It 118.00 ა ა 118.00 × 4.0/ × 2033.90 60.00 4.07 mins. 11 11 4.07 say 2,033.90 6,101.69

day

'n 1. No. of days for Delivery Truck unloading No. of days for Labor, for 11 complimentary to D. Truck days 6,101.69 7,793.95 H 1.28 say Ħ 1.28 1.28

> days days

cu.m. cu.m.

4.07

ä

DELIVERY COST: 7,793.95 - Bag

MATERIALS: 7,793.95 Unit Cost LABOR: Grand Total Estimated Quantity ForemanLaborers, unloading Bags, Portland Cement Bags, Portland Cement (Pick-Up Price) ם כו כו כו כו 2,362,043.69 7,793.95 Bags 303.06 / Bag, (a) (a) 611.92 /day 342.24 /day SQV ф Э 0 300.00 2.40 ×× 304.00 / Bag /bag / bag **Sub - Total** Sub - Total Sub - Total 1.28 days 1.28 days 11 11 li D ۱۱ ت **79** 79 70 77 2,338,185.00 2,338,185.00 18,705.48 **18,705.48** 781.63 4,371.57 **5,153.21**

Delivery Cost

Materials

2,338,185.00

18,705.48 5,153.21

UNIT COST ANALYSIS FOR HAULING COST FOR ALL AGGREGATES

Hauling Cost from the Quarry to Batching plant

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

cu.m.

Effective Working Hours Hauling Distance 8.00 5.00 hrs. Š

Hauling: Using 10.00 cu.m.capacity Dumptruck

Weight of Dumptruck (cap. 10.00 cu.m.) Unit weight of Fine Aggregates 16,000.00 1,534.00 1,640.00 kg/m3 kgs.

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

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

Speed when unloaded Speed when loaded 40.00 30.00 ş 핡

Unloaded running 11 5.00 5,00 30.00 40.00 8 8 10.00 7.50 mins. mins.

Loading and Unloading allowance for delay/traffic mins. mins.

Total Cycle time Capacity of Dumptruck 5.00 3.00 10.00 25.50 mins. cu.m.

per day Dumptruck daily output Using (5) Dumptrucks No. of trips for Dumptruck 11 11 5 x 6/ 25.50 ×× 188.24 18.82 60.00 51 941.18 188.24 18.82 cu.m. cu.m. say 18,82

trips

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

EQUIPMENT USED: (2009 ACEL RATES)

Ç - Unit Dumptruck @ P 11,360.00 /day × Sub - Total 1.06 days 70 v 60,350.00 60,350.00

Equipment Grand Total Unif Cost Estimated Quantity ס ה ה ה ה 60,350.00 60,350.00 1,000.00 12.07 /cu. m./km. cu.m. (Unit Cost, Hauling per cu.m.per km.)

Labor

Materials

	Hauling Distance		Unit Cost per cu.m./km.		Havling Cost per cu.m.		Unit Pirce		Unit Cost per cu.m.
Cost of Fine Aggregates:	15.00	×	12,07	11	181.05	+	1,470.00	11	1,651.05
Cost of Coarse Aggregates:	15.00	×	12.07	11	181.05	+	1,260,00	ij	1,441.05
Cost of Item 200 Materials:	15.00	×	12.07	rt	181.05	+	714,00	II	895.05
Cost of Item 201 Materials:	15.00	×	12.07	П	181.05	+	680.00	Ш	861.05
Cost of Item 300 Materials:	15.00	×	12.07	Ш	181.05	+	735.00	11	916.05
Cost of Boulders:	15.00	×	12.07	11	181.05	+	1,100.00	11	1,281.05

Cost of Embankment, Common Borrow:

5.00

×

12.07

Н

60.35

+

328,00

11

388,35