



PROGRAM OF WORK/BUDGET COST

NAL OFFICE IX

FORM	POW-2015-01	-00

		PARAMETERS OF THE PROPERTY AND ADMINISTRAL TO SEE AND ADMINISTRATIONAL TO SEE AND ADMINIS						2025 02 00
Project	:	Construction of By-Pass and Diversion Roads, Mampanga - Sta. Catalina Section Diversion Road, Zamboanga City	Net Length	:	(a) Road	3,	260.00 ln.m	6.52 lane km
					(b) Bridge			
					(c) Others			
Project ID	:		Target Start Date	:				
Location	:	Zamboanga City	Total Project Duration	2	_	182	Calendar Days	
Station Limits	:	13+300.00 - 16+560.00	No. of Pre-determined	:	_	23	Calendar Days	
Source of Funds	:	CY-2019	Unworkable Days	:	_	19	Calendar Days	
					N-			

DESCRIPTION OF WORKS TO BE DONE	QUANTITY	UNIT		AS SUBMITTED		AS EVALUATED	
	down:		% TOTAL	TOTAL DIRECT COST	% TOTAL	TOTAL DIRECT COST	
ART A: Facilities for the Engineers			0.99%	914,426.98			
B: Other General Requirements			1.23%	1,134,647.67			
C: Earthworks			14.15%	13,023,688.40			
D: Subbase and Base Course			13.00%	11,966,537.58	 		
E: Surface Courses			69.68%	64,114,567.57			
F: Bridge Construction			0.00%	-			
G: Drainage and Slope Protection Structures			0.27%	245,863.81			
H: Miscellaneous Structure			0.67%	617,151.36			
I: Provisional Sum			0.00%	-			
J: Daywork			0.00%	-		*	

100.00%

92,016,883.38

EQUIPMENT:

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

BREAKDOWN OF EXPENDITURES:

	AS SUBMITTED	AS EVALUATED
1. Labor	1,213,395.84	
2. Materials	77,935,829.70	
3. Rental of Equipment	12,867,657.84	
4. Provisional Sum/Daywork	-	
5. OCM and Profit	16,336,514.24	
6. Value Added Tax	5,417,669.88	
7. EAO, 3.5%	3,981,987.36	
8. RROW Acquisition	2,000,000.00	
9. Physical Reseved (Contigency)	246,945.14	
10. TOTAL ESTIMATED COST	120,000,000.00	

	AS SUBMITTED	AS EVALUATED
A. Total Direct Cost	92,016,883.38	
B. OCM and Profit	16,336,514.24	
C. Value Added Tax	5,417,669.88	
D. Total Construction Cost	-	
E. Eng'g. & Administrative Overhead	3,981,987.36	
F. RROW Acquisition	2,000,000.00	
G. Physical Reserved (Contingency)	246,945.14	
		The state of the s
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:

SATURNINO C. TORREFRANCA

District Engineer

Planning & Design Division

Approval:

Recommending Approval

KHADAREY D. TANGGOL

OIC-Assistant Regional Director

Approved:

Regional Director

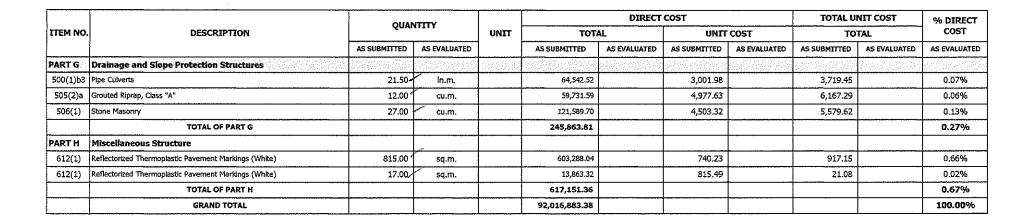


Construction of By-Pass and Diversion Roads, Mampanga - Sta. Catalina Section Diversion Road, Zamboanga City Zamboanga City

FORM POW-2015-01A-00

ITEMIZED BREAKDOWN

		QUA	NTITY	UNIT		DIRECT	COST		TOTAL U	NIT COST	% DIRECT
ITEM NO	DESCRIPTION	2011			тот	AL	UNIT COST		TO	TAL	COST
		AS SUBMITTED	AS EVALUATED		AS SUBMITTED	AS EVALUATED	AS SUBMITTED	AS EVALUATED	AS SUBMITTED	AS EVALUATED	AS EVALUATED
PARTA	Facilities for the Engineers										GARANCO AND
A.1.1(3)	Construction of Field Office for the Engineer	1.00	1	L.S.	409,502.98		409,502.98		507,374.19		0.45%
A.1.1(11)	Provision of Provision of Furnitures/Fixtures, Equipment and Appliances for the Field Office for the Field Engineer	1.00	1	L.S.	284,706.67		284,706.67		322,857.36		0.31%
A.1.2(5)	Operation and Maintenance of 4 \times 4 Pick-Up Type Service Vehicle for the Engineer	6.07	1	month	220,217.34		36,299.56		38,114.54		0.24%
	TOTAL OF PART A				914,426,98						0.000/
PART B	Other General Requirements										0.99%
B.4(1)	Construction Survey & Staking	3.26	/	km.	140,877.86		43,214.07		53,542.23		
B.5	Project Billboard/Signboard	2.00	/	each	11,007.96		5,503.98	-	1924 (1914)		0.15%
B.7	Occupation Safety & Health	6.07	_	month	231,026.85		38,081.35		6,819.43		0.01%
B.9	Mobilization & Demobilization	1.00	/	L.S.	751,735.00				43,184.25	-	0.25%
	TOTAL OF PART B			2.0.	1,134,647.67		751,735.00		789,321.75		0.82%
PART C	Earthworks	Messie Magnicus			2/25 //04/10/		Made len les seus en			er-masy-salkar-ma-	1.23%
102(1)	Unsuitable Excavation	1,075.00	/ cu.m.	sevent ducases	257,374,46		220.42				
103(3)	Foundation Fill	3.00	/ cu.m.		5,744.11		239.42		296.64		0.28%
103(6)a	Pipe Culverts and Drain Excavation	30.00	/ cu.m.		4,615.06		1,914.70		2,372.32		0.01%
104(1)a	Embankment from Roadway Excavation	3,485.00	cu.m.		804,691.56		153.84		190.60		0.01%
104(2)a	Embankment from Borrow	16,504.00	cu.m.		9,596,956.76	-	230.90		286.09		0.87%
104(5)	Boulder Fill	1,337.00	cu.m.		2,199,529.38		581.49		720.47		10.43%
105(1)a	Subgrade Preparation	9,668.00	/ cu.m.		154,777.07		1,645.12		2,038.31		2.39%
	TOTAL OF PART C	5,000.00	cuini				16.01		19.84		0.17%
PART D	Subbase and Base Course			STERNING TO STREET	13,023,688.40	Carlos Services		William Indicate and in the control	SOME STATE OF THE		14.15%
200(1)	Aggregate Subbase Course	11,532.00	cu.m.	AGE 100 LOD	11.000 507.50						
	TOTAL OF PART D	11,552.50	cu.m.		11,966,537.58		1,037.68		1,285.69		13.00%
ARTE	Surface Courses				11,966,537.58						13.00%
300(1)	Gravel Surface Course	162.00	cu.m.		171 457 77	F) (q=29) r					
311(1)a	Portland Cement Concrete Pavement	9,788.00	,		171,457.73		1,058.38		1,311.33		0.19%
	Portland Cement Concrete Pavement	32,070.00	sq.m.		9,155,022.84		935.33		1,158.88		9.95%
	TOTAL OF PART E	32,070.00	sq.m.		54,788,087.01		1,708.39		2,116.70		59.54%
				1	64,114,567.57	1					69.68%





Construction of By-Pass and Diversion Roads, Monanga - Sta. Catalina Section Diversion Road, Zamboanga City

FORM POW-2015-01B-00

MINIMUM EQUIPMENT REQUIREMENT

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



DPWH REGIONAL OFFICE IX

Construction of By-Pass and Diversion Roads, Mampanga - Sta. Catalina Section Diversion Road, Zamboanga City Zamboanga City

FORM POW-2015-01C-00

						ITEMIZE	BREAKDOWN						
			///CETTE-VE				DETAI	LED BREAKDOWN	OF COMPONENT C	OST FOR EAC	CH ITEM		
ITEM NO.	DESCRIPTION		%	QTY	UNIT		DIRECT	COST		тоти	AL MARK-UP	The Completion	
				YID	UNII	MATERIAL	LABOR	EQUIPMENT	TOTAL	%	VALUE	5% VAT	TOTAL COST
PART A	Facilities for the Engineers												
A.1.1(3)	Construction of Field Office for the Engineer	AS EVALUATED											
7.1.1.2(0)	construction of their office for the Engineer	AS SUBMITTED	0.45%	1.00	L.S.	332,117.67	45,026.64	32,358.66	409,502.98	18.00%	73,710.54	24,160.68	507,374.19
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	0.31%	1.00	L.S.	284,706.67	3#3		284,706.67	8.00%	22,776.53	15,374.16	322,857.36
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	0.24%	6.07	month	134,883.00	85,334.34	S R S	220,217.34	0.00%	-	11,010.87	231,228.21
	TOTAL OF PART A	AS EVALUATED											
	IOIAL OF PART A	AS SUBMITTED	0.99%			751,707.34	130,360.98	32,358.66	914,426.98		96,487.07	50,545.70	1,061,459.75
PART B	Other General Requirements								5-4-5-5-6-6-6	668055			
P 4/1)	C	AS EVALUATED											
B.4(1)	Construction Survey & Staking	AS SUBMITTED	0.15%	3.26	km.	35,941.50	87,987.60	16,948.76	140,877.86	18.00%	25,358.02	8,311.79	174,547.67
2.5	D. J. & D.W J.C	AS EVALUATED											
B.5	Project Billboard/Signboard	AS SUBMITTED	0.01%	2.00	each	7,330.00	3,677.96	3	11,007.96	18.00%	1,981.43	649.47	13,638.86
0.7	0	AS EVALUATED											
B.7	Occupation Safety & Health	AS SUBMITTED	0.25%	6.07	month	26,760.00	144,266.85	60,000.00	231,026.85	8.00%	18,482.15	12,475.45	261,984.45
B.9	Mobilization & Demobilization	AS EVALUATED											
p.9	Modifization & Demodifization	AS SUBMITTED	0.82%	1.00	L.S.		-	751,735.00	751,735.00	0.00%	-	37,586.75	789,321.75
	TOTAL OF DARK D	AS EVALUATED											
	TOTAL OF PART B	AS SUBMITTED	1.23%			70,031.50	235,932.41	828,683.76	1,134,647.67		45,821.60	59,023.46	1,239,492.73
PARTC	Earthworks												
102(1)	U - 4-11 5	AS EVALUATED											
102(1)	Unsuitable Excavation	AS SUBMITTED	0.28%	1,075.00	cu.m.	-	11,632.58	245,741.88	257,374.46	18.00%	46,327.40	15,185.09	318,886.95
400(0)	- 1	AS EVALUATED											
103(3)	Foundation Fill	AS SUBMITTED	0.01%	3.00	cu.m.	5,308.88	261.58	173.66	5,744.11	18.00%	1,033.94	338.90	7,116.95
400(6)	20 000 000 000 000 000 000 000 000 000	AS EVALUATED											
103(6)a	Pipe Culverts and Drain Excavation	AS SUBMITTED	0.01%	30.00	cu.m.		216.42	4,398.64	4,615.06	18.00%	830.71	272.29	5,718.06
		AS EVALUATED											
104(1)a	Embankment from Roadway Excavation	AS SUBMITTED	0.87%	3,485.00	cu.m.		21,844.86	782,846.70	804,691.56	18.00%	144,844.48	47,476.80	997,012.85
	E V V 10/E E	AS EVALUATED							700,514° 544,000,771° 190	7 1990011111002	Charles Annual Control		
104(2)a	Embankment from Borrow	AS SUBMITTED	10.43%	16,504.00	cu.m.	8,011,660.50	56,530.74	1,528,765.52	9,596,956.76	18.00%	1,727,452.22	566,220.45	11,890,629.42
40455		AS EVALUATED									Character Control		
104(5)	Boulder Fill	AS SUBMITTED	2.39%	1,337.00	cu.m.	1,739,096.40	119,670.86	340,762.13	2,199,529.38	18.00%	395,915.29	129,772.23	2,725,216.91
		AS EVALUATED											-/ - / / / / / / / / / / / - / / / / / / / / / / / - / / / / / / / / / / / - / / / / / / / / / / / - / / / / / / / / / / / - / / / / / / / / / / / - / / / / / / / / / / / - / / / / / / / / / / / -
105(1)a	Subgrade Preparation	AS SUBMITTED	0.17%	9,668.00	cu.m.		5,519.26	149,257.81	154,777.07	18.00%	27,859.87	9,131.85	191,768.79
		AS EVALUATED											
	TOTAL OF PART C	AS SUBMITTED	14.15%			9,756,065.78	215,676.29	3,051,946,34	13,023,688.40		2,344,263.91	768,397.62	16,136,349.93

	A Comment					- Comment								
	· · · · · · · · · · · · · · · · · · ·													
		DETAILED BREAKDOWN OF COMPONENT COST FOR EACH ITEM												
ITEM NO	DESCRIPTION		%	QTY	UNIT			CT COST			AL MARK-UP	T	1	
				4,,	ONI	MATERIAL	LABOR	EQUIPMENT	TOTAL	%	VALUE	5% VAT	TOTAL COST	
PART D	Subbase and Base Course							Granden de la companione	e e dell'Ospet fra Calabra	18 A 63 A	a of a Gergenia and a	latin i sava medeleri	Had Savere - Tables as with the con-	
200(1)	Aggregate Subbase Course	AS EVALUATED										1 100 100 20 10 20 10 20 10 20 20 20 20 20 20 20 20 20 20 20 20 20	The state of each group and the	
		AS SUBMITTED	13.00%	11,532.00	cu.m.	10,858,828.15	39,500.27	1,068,209.16	11,966,537.58	18.00%	2,153,976,76	706,025.72	14,826,540.0	
	TOTAL OF PART D	AS EVALUATED											2 1,020,0 10.00	
		AS SUBMITTED	13.00%	,		10,858,828.15	39,500.27	1,068,209.16	11,966,537.58		2,153,976.76	706,025.72	14,826,540.06	
PARTE	Surface Courses			verrijî Pêrêşer			i dediki kesapatasi (/87.694620464644	a ek yezîdinê ê dere.	64888655	ganidaniwi ran se	Artania, I. Variania, I.	A-1-4	
300(1)	Gravel Surface Course	AS EVALUATED									- 100 may 19 440 100	i miyyydd felu (ball den tuyl) a illyddi		
		AS SUBMITTED	0.19%	162.00	cu.m.	155,896.77	554.89	15,006.06	171,457.73	18.00%	30,862.39	10,116.01	212,436.12	
311(1)a	Portland Cement Concrete Pavement	AS EVALUATED										10,22002	212,730.12	
		AS SUBMITTED	9.95%	9,768.00	sq.m.	7,978,900.72	78,178.26	1,097,943.85	9,155,022.84	18.00%	1,647,904.11	540,146.35	11,343,073.29	
311(1)e1	Portiand Cement Concrete Pavement	AS EVALUATED										5 10/2 10:30	11,543,073.25	
		AS SUBMITTED	59.54%	32,070.00	sq.m.	47,595,076.42	478,128.14	6,714,882.45	54,788,087.01	18.00%	9,861,855.66	3,232,497.13	67,882,439.80	
	TOTAL OF PART E	AS EVALUATED			1						7,002,000.00	3,232,437.13	67,682,439.80	
	TOTALOTTARTE	AS SUBMITTED	69.68%		<u> </u>	55,729,873,91	556,861.30	7,827,832.36	64,114,567.57		11,540,622.16	3,782,759.49	79,437,949.22	
PART G	Drainage and Slope Protection Structures	A Separate	(A) Leafe		A 68 15 G.	arawa Marka Araba	viceológica (Streets)		Billia sarreviri Sattore	a disparte ette	racho Laterna Civian	and a control of the	79,437,349.22	
500(1)63	Pipe Culverts	AS EVALUATED						33 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -		(A 1997 A STORY A STORY A SEC			
200(17)00	The curers	AS SUBMITTED	0.07%	21.50	in.m.	49,086.09	4,642.12	10,814.31	64,542.52	18.00%	11,617,65	3.808.01	79,968.19	
505(2)a	Grouted Riprap, Class *A"	AS EVALUATED								*******	22,027100	3,000.01	/9,300.15	
000(2)2	Glodica Kiprap, Class A	AS SUBMITTED	0.06%	12.00	cu.m.	50,996.93	5,370.42	3,364.24	59,731.59	18.00%	10,751,69	3,524.16	74,007.44	
506(1)	Stone Masonry	AS EVALUATED									20,7 02705	3,327.10	74,007.44	
555(1)	Stone reason,	AS SUBMITTED	0.13%	27.00	cu.m.	104,679.92	9,440,19	7,469.58	121,589.70	18.00%	21,886.15	7,173,79	150,649,63	
-	TOTAL OF PART G	AS EVALUATED									22,000125	7,273.73	130,649,03	
_	TOTAL OF PART G	AS SUBMITTED	0.27%			204,762.95	19,452.73	21,648.14	245,863.81		44,255.49	14,505.96	304,625,26	
PART H	Miscellaneous Structure			el profesión de	A STORES		Kalifer on Page	SK Dawnel verdicikle		Prathet	7-72-33-45	14,303.90	304,625.26	
612(1)	Perfectorized Thermostackle Payerment Madding (AMA)	AS EVALUATED		1				5 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	1 (1 A THE SECTION AND A SECTI	3500 JOVS 910 J	a tur yarus daya ta wuzarararagi.			
712(1)	Reflectorized Thermoplastic Pavement Markings (White)	AS SUBMITTED	0.66%	815.00	sq.m.	551,771.34	15,292.86	36,223,84	603,288.04	18.00%	108,591.85	35,593.99	747.473.88	
612(2)	Deflorated When the Property of the Property o	AS EVALUATED							303,200.01	10.0070	100,391,03	33,282,66	/4/,4/3.88	
V12(2)	Reflectorized Thermoplastic Pavement Markings (Yellow)	AS SUBMITTED	0.02%	17.00	sq.m.	12,788.74	318.99	755,59	13,863.32	18.00%	2,495.40	817.94	4	
	TOTAL OF DATE N	AS EVALUATED				,			20,000.02	10,00,70	2,733.40	017.94	17,176.65	
[TOTAL OF PART H	AS SUBMITTED	0.67%			564,560.08	15,611.86	36,979.43	617,151,36		111,087.25	36,411.93	****	
	COLUB YOTH	AS EVALUATED						20,27,240	017,131,30		111,007,25	30,411.93	764,650.54	
	GRAND TOTAL	AS SUBMITTED	***	 		77,935,829.70	1,213,395.84	12,867,657.84	92,016,883.38					



DPWH GIONAL OFFICE IX

Construction of By-Pass and Diversion Roads, Mampanga - Sta. Catalina Section Diversion Road, Zamboanga City

Zamboanga City

SUMMARY OF APPROVED BUDGET FOR THE CONTRACT

FORM POW-2015-02-00

	DESCRIPTION OF WORKS TO BE D	ONE	ESTIMATED DIRECT COST	1	TOTAL MARK-UP	MAT		
	DESCRIPTION OF WORRS TO BE E	ONE	ESTIMATED DIRECT COST	%	TOTAL DIRECT COST	VAT	TOTAL INDIRECT COST	TOTAL COST
PART A	Facilities for the Engineers	AS EVALUATED						
FAIN A	racinities for the Engineers	AS SUBMITTED	914,426.98		96,487.07	50,545.70	147,032.77	1,061,459.75
PART B	Other General Requirements	AS EVALUATED						
PARTD	Outer General Requirements	AS SUBMITTED	1,134,647.67		45,821.60	59,023.46	104,845.06	1,239,492.73
PART C	Earthworks	AS EVALUATED						
PARIC	Laitiworks	AS SUBMITTED	13,023,688.40		2,344,263.91	768,397.62	3,112,661.53	16,136,349.93
PART D	Subbase and Base Course	AS EVALUATED						
PART D	Subbase and base course	AS SUBMITTED	11,966,537.58		2,153,976.76	706,025.72	2,860,002.48	14,826,540.06
PART E	Surface Courses	AS EVALUATED						
PARIE	Surface Courses	AS SUBMITTED	64,114,567.57		11,540,622.16	3,782,759.49	15,323,381.65	79,437,949.22
PART G	Drainage and Slope Protection Structures	AS EVALUATED						
PARTG	brainage and Slope Protection Structures	AS SUBMITTED	245,863.81		44,255.49	14,505.96	58,761.45	304,625.26
PART H	Miscellaneous Structure	AS EVALUATED						/
PARITI	Miscellaneous 3u ucture	AS SUBMITTED	617,151.36		111,087.25	36,411.93	147,499.18	764,650.54
	TOTAL	AS EVALUATED						
	IVIAL	AS SUBMITTED	92,016,883.38		16,336,514.24	5,417,669.88	21,754,184.12	11/3,771,067.50

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



DPWH REGIONAL OFFICE IX

Construction of By-Pass and Diversion Roads, Mampanga - Sta. Catalina Section Diversion Road, Zamboanga City Zamboanga City

FORM POW-2015-02A-00

ITEM NO.	DESCRIPTION		QTY	UNIT	ESTIMATED DIRECT COST	Tr	OTAL MARK-UP	VAT	TOTAL INDIRECT COST	TOTAL COST	UNIT COST
		3			% VALUE				10.000		
PART A	Facilities for the Engineers										
A.1.1(3)	Construction of Field Office for the Engineer	AS EVALUATED									
7.1.1(5)	Construction of Field Office for the Engineer	AS SUBMITTED	1.00	L.S.	409,502.98	18.00%	73,710.54	24,160.68	97,871.21	507,374.19	513,960.77
A.1.1(11)	Provision of Provision of Furnitures/Fixtures, Equipment and	AS EVALUATED									
~(II)	Appliances for the Field Office for the Field Engineer	AS SUBMITTED	1.00	L.S.	284,706.67	8.00%	22,776.53	15,374.16	38,150.69	322,857.36	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	6.07	month	220,217.34	0.00%		11,010.87	11,010.87	231,228.21	38,114.54
	TOTAL OF PART A	AS EVALUATED									
	TOTAL OF PART A	AS SUBMITTED			914,426.98		96,487.07	50,545.70	147,032.77	1,061,459.75	
PART B	Other General Requirements	10.0									
P 4/1)	Santantia Santantia	AS EVALUATED									
B.4(1)	Construction Survey & Staking	AS SUBMITTED	3.26	km.	140,877.86	18.00%	25,358.02	8,311.79	33,669.81	174,547.67	53,542.23
B.5	During the College of	AS EVALUATED									
D.3	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	6.07	month	231,026.85	8.00%	18,482.15	12,475.45	30,957.60	261,984.45	43,184.25
2.0		AS EVALUATED									
B.9	Mobilization & Demobilization	AS SUBMITTED	1.00	L.S.	751,735.00	0.00%		37,586.75	37,586.75	789,321.75	789,321.75
		AS EVALUATED			•						
	TOTAL OF PART B	AS SUBMITTED			1,134,647.67		45,821.60	59,023.46	104,845.06	1,239,492.73	
PART C	Earthworks										
		AS EVALUATED									
102(1)	Unsuitable Excavation	AS SUBMITTED	1,075.00	cu.m.	257,374.46	18.00%	46,327.40	15,185.09	61,512.50	318,886.95	296.64
100(0)		AS EVALUATED									
103(3)	Foundation Fill	AS SUBMITTED	3.00	cu.m.	5,744.11	18.00%	1,033.94	338.90	1,372.84	7,116.95	2,372.32
		AS EVALUATED								200000000000000000000000000000000000000	TO MATERIAL STATE OF THE STATE
103(6)a	Pipe Culverts and Drain Excavation	AS SUBMITTED	30.00	cu.m.	4,615.06	18.00%	830.71	272.29	1,103.00	5,718.06	190.60
1000000000000		AS EVALUATED									
104(1)a	Embankment from Roadway Excavation	AS SUBMITTED	3,485.00	cu.m.	804,691.56	18.00%	144,844.48	47,476.80	192,321.28	997,012.85	286,09
V 40/10/00/00 /		AS EVALUATED						***			
104(2)a	Embankment from Borrow	AS SUBMITTED	16,504.00	cu.m.	9,596,956.76	18.00%	1,727,452.22	566,220.45	2,293,672.67	11,890,629.42	720.47
10200000	8 WW 525	AS EVALUATED									
104(5)	Boulder Fill	AS SUBMITTED	1,337.00	cu.m.	2,199,529.38	18.00%	395,915.29	129,772.23	525,687.52	2,725,216.91	2,038.31
1.05257977	8 2 6	AS EVALUATED	170								
105(1)a	Subgrade Preparation	AS SUBMITTED	9,668.00	cu.m.	154,777.07	18.00%	27,859.87	9,131.85	36,991.72	191,768.79	19.84
		AS EVALUATED									
	TOTAL OF PART C	AS SUBMITTED			13,023,688.40	-	2,344,263.91	768,397.62	3,112,661.53	16,136,349.93	

ITEM NO.	DESCRIPTION		QΤΥ	UNIT	ESTIMATED DIRECT COST	то	TAL MARK-UP	VAT	TOTAL INDIRECT COST	TOTAL COST	UNIT COST
						%	VALUE				
PART D	Subbase and Base Course										
200(1)	Aggregate Subbase Course	AS EVALUATED									
200(1)	Aggregate Subbase Course	AS SUBMITTED	11,532.00	cu.m.	11,966,537.58	18.00%	2,153,976.76	706,025.72	2,860,002.48	14,826,540.06	1,285.69
	TOTAL OF PART D	AS EVALUATED									
	TOTAL OF PART D	AS SUBMITTED			11,966,537.58		2,153,976.76	706,025.72	2,860,002.48	14,826,540.06	
PART E	Surface Courses									ige ia comandiali ante di c	
300(1)	Carriel Curfose Course	AS EVALUATED									
300(1)	Gravel Surface Course	AS SUBMITTED	162.00	cu.m.	171,457.73	18.00%	30,862.39	10,116.01	40,978.40	212,436.12	1,311.33
211/1)0	D-41-4 C	AS EVALUATED									
311(1)a	Portland Cement Concrete Pavement	AS SUBMITTED	9,788.00	sq.m.	9,155,022.84	18.00%	1,647,904.11	540,146.35	2,188,050.46	11,343,073.29	1,158.88
211(1)-1	0.41.40	AS EVALUATED									
311(1)e1	Portland Cement Concrete Pavement	AS SUBMITTED	32,070.00	sq.m.	54,788,087.01	18.00%	9,861,855.66	3,232,497.13	13,094,352.80	67,882,439.80	2,116.70
		AS EVALUATED									
	TOTAL OF PART E	AS SUBMITTED			64,114,567.57		11,540,622.16	3,782,759.49	15,323,381.65	79,437,949.22	
PART G	Drainage and Slope Protection Structures										
F00(1)50		AS EVALUATED									
500(1)03	Pipe Culverts	AS SUBMITTED	21.50	ln.m.	64,542.52	18.00%	11,617.65	3,808.01	15,425.66	79,968.19	3,719.45
F0F(2)-		AS EVALUATED	,		(-1)						
505(2)a	Grouted Riprap, Class "A"	AS SUBMITTED	12.00	cu.m.	59,731.59	18.00%	10,751.69	3,524.16	14,275.85	74,007.44	6,167.29
505(4)		AS EVALUATED									
506(1)	Stone Masonry	AS SUBMITTED	27.00	cu.m.	121,589.70	18.00%	21,886.15	7,173.79	29,059.94	150,649.63	5,579.62
	TOTAL OF DATE OF	AS EVALUATED			(4 0 II)						
	TOTAL OF PART G	AS SUBMITTED			245,863.81		44,255.49	14,505.96	58,761.45	304,625.26	
PART H	Miscellaneous Structure										
*****		AS EVALUATED									
612(1)	Reflectorized Thermoplastic Pavement Markings (White)	AS SUBMITTED	815.00	0	603,288.04	18.00%	108,591.85	35,593.99	144,185.84	747,473.88	917.15
		AS EVALUATED									
612(2)	Reflectorized Thermoplastic Pavement Markings (Yellow)	AS SUBMITTED	815.00	0	13,863.32	18.00%	2,495.40	817.94	3,313.33	17,176.65	21.08
		AS EVALUATED			-						
	TOTAL OF PART H	AS SUBMITTED			617,151.36		111,087.25	36,411.93	147,499.18	764,650.54	
		AS EVALUATED			-			May and the second seco			
	GRAND TOTAL	AS SUBMITTED			92,016,883.38		16,336,514.24	5,417,669.88	21,754,184.12	113,771,067.50	

Preparation and Submission:

ELWICK P. ACUÑA

Engineer II

Maintenance Division

Prepared by:

Checked/Submiletd by:

ISIDRA A. ESTANISLAO

Engineer IV Maintenance Division **Evaluation:**

SATURNANO C, TORREFRANCA

District Engineer Planning & Design Division

Construction of By-Pass ar Veersion Roads, Mampanga - Sta. Catalina Section Division Road, 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

																		•	F.1	•							E.2	E.1	D.2	D.1	C.2	2	5	B S				5	25				Α.2		 		A.1			
c. W-2, Jalousie Window, 2.80 m. x 1.20 m.	b. W-1, Jalousie Window, 1.40 m. x 1.20 m.	- 1	a. D-1, Hollow Core Flush Type Swing Door,	' ' 1	e. No. 16 G.I. Tie Wire			b. Portland Cement	a, CHB 6" thk.	i 1		1	a. Coco Lumber	7		a Deformed Round Bar Grade 40	C. washed sailed	-	1			b. Selected Fill	1 1	I Earthworks (Excavation, Embankment & Bedd	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 8-2 As Evaluated	Edulation	Sub-local for B-1 As Submitted	O. F. H. T.	Minor Tools 10% of Labor Cost	b. Water Truck	a. One Bagger Mixer	Equipment	Name and Capacity	Sub-Total for A-2 As Evaluated		Labor A-1 As Submitted		c. Carpenters	ō	a. Construction Foreman	Labor	Designation
set	set		set		Š (ξō,	cu.m.	bag	þc.		ķο	pc.	bd.ft.	S	Š	k Siab on Grade)	cu.m.	cu.m.	bag	Slab on Grade)	1	cu.m.	cu.m.			Unit												14	1		No. of Units				6	3	ω	1		No. of Person/s
2.00	2,00	1000	2.00	1.00	2.50	65,00	8,00	45,00	650.00		5,00	18,00	400,00	2000	20.00	00 350	18,00	21.00	90.00		2.50	10.00	3.50			Quantity												8	48		No. of Hour/s				64	64	64	64		No. of Hour/s
1,848.00	924.00	1/20120	1.765.26	100.00	100.00	38.00	1,538.81	303.00	16.00		65,00	610.00	13,00	00,00	30,00	20 00	1,538.81	1,338.81	303.00		1,900.00	388.35	1,338.81			Unit Cost												2,450.00	172,00		Hourly Rate				45.16	58.61	58,61	80.95		Hourly Rate
3,696.00	1,848.00	20,000,0	C3 023 E	200.00	250 00	2,470.00	12.310.44	13,635.00	10,400.00		325.00	10,980,00	5.200.00	1,000,00	1 600 00	20.00	27,698,49	28,114.91	27,270.00		4,750.00	3,883.50	4,685,82			Amount (Php.)	-	77.385.30			, , , , , , , ,	77 385 30			32,358.66		4,502.66	19,600.00	8,256,00		Amount (Php.)			45,026.64	17,340.00	11,252.88	11,252,88	5,180,88		Amount (Php.)

				יייר וייינין טוויר כסטר איז דיינוממיכים
507,374.19				K.1 Total Unit Cost - As Submitted K.2 Total Unit Cost - As Evaluated
E 1/100100				J.2 Value Added Tax - As Evaluated
24.160.68				
32,760.24				I.1 Contractor's Profit - As Submitted
70,330.30			valuated	
40.050.00			hmittad	G.2 Direct Unit Cost (E.2+F.2) - As Evaluated
409,502.98				
				Sub-Total for F-2 As Evaluated
				Equipment E.2
332,117.67				Sub-Total for F-1 As Submitted
448.00	56.00	8,00	þ	i, z ryc assoried connector
462,00	77.00	6.00	2 2	h. 4" PVC assorted Connector
305.00	305.00	1.00	pc	
640.00	640,00	1.00	pc	f. 4" PVC series 1000
160.00	20.00	8,00	pc	
642,00	321.00	2,00	p 7	
337.00	0,0381	2.00	DC SEC	c. 1/2" GI Pipe S-40
7,375.00	7,375.00	1.00	set	a. Water Closet (include, Fitting & Accessories)
				XI Plumbing Works
3,254.00	1,627.00	2.00	set	
217.00	31.00	7.00	8 8	s, electrical tape (big)
224.00	32.00	7.00	8 8	- 1
100.00	50.00	2.00	pc	
200.00	100.00	2.00	рc	o. 20mm dia. Service entrance cap
180,00	18.00	10.00	pc	n, 20mm dia. RSC Clamp
90.00	30.00	3.00	00 70	m. 20mm dia. RSC elbow
960.00	240,00	4.00	R PC	K. 20mm dia RSC Pipe
440.00	8.00	55.00	pc	j. 15mm dia. PVC Clamp
650,00	26.00	25,00	p 7	
1,460.00	73.00	25.00	P, PC	h. 15mm dia. PVC Coupling
1,750.00	70.00	25.00	з	
10,800.00	3,600.00	3.00	roll	e. 3.5mm2 thw
510,00	170,00	3.00	p 7	
510 00.	170.00	3.00	8 8	c. Duplex Convinience outlet
5,150.00	1,030.00	5,00	set	a. 2 x 40w Flourescent lighting fixtures b. Porcelain Ceiling Outlet w/ female socket
				1000
2,000.00	400.00	5.00	_	
550.00	110.00	10.00	<u> </u>	d. Common Wire Nails
13,500.00	450.00	30.00	pc.	
18,500.00	37.00	500.00	bd.ft.	
200.00	20,00	2,00	ŗ	IX Carpentry Works
2,000.00	250 00	200 00.00	pc.	e. Roof Sealant
378.00	189.00	2.00	ln.m.	c. Pre-painted flashing, ga. 24
1,890.00	189,00	10.00	ln.m.	130
23,100.00	420.00	55.00	sq.m.	a. Pre-painted GI Roofing Sheet long span
2,655.00	531.00	5.00	gai.	VIII Roofing Works
2,445.00	163.00	15.00	<u> </u>	k. Welding Rod
360.00	36.00	10.00	pc.	
380.00	38,00	10.00	kg.	
1,175.00	47.00	15.00	Š Ģ.	h. 10mm thk batten plate
2,360.00	118,00	20,00	pc.	
1,330.00	38.00	35.00	kg.	e. 16mm dia. Cross bracing
864.00	48.00	18.00	ķ ķ	d. Purlins C- 150 x 50 x 3mm.
12,000.00	48.00	100.00	6 6	c. 50 mm, x 50 mm, x 4 mm, Angle Bar
16,800.00	48.00	350.00	5 6	a. 65 mm. × 65 mm. × 6 mm. Angle Arch
				1

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ELWICK P. ACUÑA Engineer II

Checked/Reviewed

Construction of By-Pass ar

version Roads, Mampanga - Sta. Catalina Section Di Zamboanga City

on Road, Zamboanga City

FORM-POW-2015-01D-00

Item No./Description

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A.1.1(11)

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

Unit of Measurement
Output per hour-As Submitted

Output per hour-As Evaluated

1.00 L.S.

E **B.2** B.1 A.2 A.1 Sub-Total for F-2 As Evaluated

1 Direct Unit Cost (E.1+F.1) - As Submitted

2 Direct Unit Cost (E.2+F.2) - As Evaluated

1 Overhead, Contingencies & Miscellaneous (OCM) - As Submitted

2 Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated

1 Contractor's Profit - As Submitted

2 Contractor's Profit - As Evaluated

1 Value Added Tax - As Evaluated

2 Value Added Tax - 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 Evaluated

Output per Hour - As Evaluated

Direct Unit Cost (C.1 ÷ D.1) - As Submitted

Direct Unit Cost (C.2 ÷ D.2) - As Evaluated k. Desktop Computer
Lighting/Water Fixtures
a. Electrical Bill Total Unit Cost - As Submitted
Total Unit Cost - As Evaluated Labor Equipment Sub-Total for F-1 As Submitted Equipment Office Equipment/Facilities & Supplies Sub-Total for B-2 As Evaluated Sub-Total for A-2 As Evaluated Sub-Total for A-1 As Submitted a. Electric Desk Fan
 b. Folding Beds, Good Quality
 c. pillows w/ pillow cases, fitted sheets and blanket
 d. Double burner gas stove (Gasul) Materials Equipment Sub-Total for B-1 As Submitted Various Office Supply
(Folders, Bond Paper, Yellow I
Ball Pens, Pencil, Envelopes, e LPG (11 kg) Kitchenware Cellphone (Plates, Spoons & Forks, Glasses, etc.)
Dining Table
Digital Camera 10 cups Rice Cooker Water Bill Name and Specification Name and Capacity Designation No. No. of Units of Person/s each each unit unit Unit @ | @ | 100 L.S. L.S. set set set No. No. of Hour/s Quantity 6.07 of Hour/s 1.00 2.00 1.00 2.00 2.00 2.00 1.00 6.07 1.00 1.00 Hourly Rate Hourly Rate Unit Cost 8,000.00 12,000.00 15,000.00 60,000.00 30,000.00 1,370.00 2,700.00 5,000.00 3,700.00 2,500.00 45,000.00 3,000.00 1,500.00 1,000.00 Amount (Php.) Amount (Php.) Amount (Php.) 322,857. 284,706.67 284,706.67 60,000.00 8,000.00 24,000.00 60,000.00 18,200.00 9,100.00 6,066.67 5,400.00 10,000.00 3,700.00 22,776.53 15,374.16 30,000.00 45,000.00 2,740.00 ,500.00

Engineer II

Prepared

Checked/Reviewed

Construction of By-Pass ar

version Roads, Mampanga - Sta. Catalina Section Di on Road, Zamboanga City
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 6.07 month

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

. . . .

				Local culticope - Va Evaluared	7.51
141,62/.15				Total Unit Cost - As Submitted	
				Value Added Tax - As Evaluated	
0// 11:15				Value Added Tax As Evaluated	
6 744 15				Value Added Tay - As Submitted	
1				Contractor's Profit - As Evaluated	
				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
1				Direct Unit Cost (E.2+F.2) - As Evaluated	G.2
134,883.00				Direct Unit Cost (E.1+F.1) - As Submitted	
				Sub-Total for F-2 As Evaluated	
				П	F.2
				Equipment	
134,883.00				Sub-Total for F-1 As Submitted	
30,000.00	30,000.00	1.00	L.S.	d. Miscellaneous	
8,463.00	8,463.00	1.00	L.S.	c. Engine Oil & Lubricants	
40,000.00	40,000.00	1.00	L.S.	b. Spare Parts	F.1
56,420.00	31.00	1,820.00	-	a. Diesel	
				Materials	
Amount (Php.)	Unit Cost	Quantity	Unit	Name and Specification	
				Direct Unit Cost (C.2 ÷ D.2) - As Evaluated	E.2
1				Direct Unit Cost (C.1 ÷ D.1) - As Submitted	E.1
				Output per Hour - As Evaluated	
74				Output per Hour - As Submitted	D.1
-				Total (A.2+B.2) - As Evaluated	C.2
85,334.34				Total (A.1+B.1) - As Submitted	C.1
			- 4	Sub-Total for B-2 As Evaluated	
					В.2
				Equipment	
1				Sub-Total for B-1 As Submitted	
				Equipment	5,1
Amount (Php.)	Hourly Rate	No. of Hour/s	No. of Units	Name and Capacity	
				Sub-Total for A-2 As Evaluated	
					A.2
				Labor	
85,334,34				Sub-Total for A-1 As Submitted	
85,334.34	58,61	1,456.00	ŀ	d. Dilve	li contra
				Гab	A.1
Amount (Php.)	Hourly Rate	No. of Hour/s	No. of Person/s	Designation	
600					

ELWICK P. ACUÑA Engineer II

Checked/Reviewed

Construction of By-Pass an version Roads, Mampanga - Sta. Catalina Section Div on Road, Zamboanga City Zamboanga City

FORM-POW-2015-01D-00

Item No./Description **

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

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

				Total Unit Cost - As Evaluated	
				Total Unit Cost - As Submitted	<u>K.1</u>
				Value Added Tax - As Evaluated	J.2
				Value Added Tax - As Submitted	
				Contractor's Profit - As Evaluated	1.2
			uated	Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated	
			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	_
				Edulption	F.2
				For inment	
				Sub-Total for E.1 As Submitted	
				Miscellaneous 5% of Material Cost	
8	25.00	100.00	pc.	b. Blue Printing	F
티	400.0	20 00	25	Materials Standard Stake Plan (800 mm × 910 mm)	_
	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	E.1
				Output per Hour - As Evaluated	D.2
				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	_
				Equipment	В.2
				Sub-Total for B-1 As Submitted	
				Minor Tools 10% of Labor	
8	100,00	1	1	a. Total Station w/ Complete Accessories	B.1
				Equipment	
	Hourly Rate	No. of Hour/s	No. of Units	Name and Capacity	
				Sub-Total for A-2 As Evaluated	
				ranoi	A.2
				Sub-Total for A-1 As Submitted	
121	58.61	3	2	b. Skilled Laborer	
6	104.16	ω	1	a. Geodetic Engineer	
				For Office Works	
6	45,16	ь	ω	c. Unskilled Laborer	1
2	58.61	1	ω	b, Skilled Laborer	>
6	104.16	1	Д	a. Geodetic Engineer	
				For Field Works	
				Labor	
	Hourly Rate	No. of Hour/s	No. of Person/s	Designation	

Prepared

ELWICK P. ACUÑA Engineer II

Checked/Reviewed

Construction of By-Pass ar

version Roads, Mampanga - Sta. Catalina Section Di on Road, 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		\perp		L	L	┸				G.1 D	S	F.2		ωI	T _a	_	E1	la.	31		E.2 D	_	D.2 O		C.2 T	C.1 T		B.2	1 0	ο I	B.1			A.2	F	S	T.	_	<u>}</u>		
Iolai Officosc - 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	Cyclicat, collarige ides & Pilscellarieous (OCPI) - As Evaluated	Verhead Contingencies & Miscellaneous (OCM) - As Eval	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	-9-19-19-19-19-19-19-19-19-19-19-19-19-1	Equipment	Sub-Total for F-1 As Submitted	d. Assoreted CW Nails	c. Assorted Lumber	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-lotal for B-1 As Submitted		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
						ludicu	liated	mitted							kg.	bd.ft.	pc.	pc.		Unit												No. of Units					2	1	1		No. of Person/s
															2.00	100.00	2.00	2.00		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
	78.180,6	1	432,47	ı	586,40		, 20,00	733 00	-	7,330.00				7.330.00	130,00	3,700.00	2,000.00	1,500.00		Amount (Php.)		1		1	1:	3,677.96						Amount (Php.)				3,677.96	1,445.00	937.74	1,295.22		Amount (Php.)

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ELWICK P. ACUÑA Engineer II

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Construction of By-Pass and

ersion Roads, Mampanga - Sta. Catalina Section Div n Road, Zamboanga City Zamboanga City

FORM-POW-2015-01D-00

Item No./Description **

: B.7
Occupation Safety & Health
: 6.07 month

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

Output per hour-As Evaluated	Outbut ber 110al ve outsilleren
**	•

K.2	K.1	J.2	J.1	1.2	1.1	H.2	I.	G. Z	0 0	G.1		F.2	T		-		F.1				E.2	E.1	D.2	D.1	C.2	C,1		B.2				D 1			A. 2	I			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	_	L	Direct Offices (c.z+r.z) - As Evaluated	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	Equipriiviti	Equipment	Sub-Total for F-1 As Submitted	d. Safety Hats	c. Rain Coats (Reinforced, Hip Length)	b.	a. Rubber Boots (Long w/ Steel Toe, Black)	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. Warning Signs and Barricades	Equipment	Name and Capacity	Sub-Total for A-2 As Evaluated	Labor	Take:	Sub-Total for A-1 As Submitted	b. First Aider	a. Safety Practioner	Labor	Designation
						luated	omitted								рс	рс	pair	pair		Unit													No. of Units					ı	1		No. of Person/s
															24.00	24.00	24.00	24.00		Quantity													No. of Hour/s					1456.00	728.00		No. of Hour/s
															600.00	100.00	15.00	400.00		Unit Cost													Hourly Rate					58.61	80.95		Hourly Rate
	261,984.45		12,475.45		18,482.15					231.026.85			- coli conco	26 760 00	14,400.00	2,400.00	360,00	9,600.00		Amount (Php.)		204,266.85		.1	(1)	204,266.85				60,000.00	60,000.00		Amount (Php.)			14,200.83	30 390 000	85,334.34	58,932.51		Amount (Php.)

ELWICK P. ACUÑA Engineer II

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Construction of By-Pass ar version Roads, Mampanga - Sta. Catalina Section Di on Road, Zamboanga City Zamboanga City

FORM-POW-2015-01D-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

				2	
4			Λ.	Total Unit Cost - As Evaluated	K.2
931,399.67				Total Unit Cost - As Submitted	<u></u>
				Value Added Tax - As Evaluated	
44,352.37				Value Added Tax - As Submitted	J.1
1				Contractor's Profit - As Evaluated	L
60,138,80				Contractor's Profit - As Submitted	I.1
1			luated	Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated	Н.2
75,173.50			mitted	Overhead, Contingencies & Miscellaneous (OCM) - As Submitted	H.1
				Direct Unit Cost (E.2+F.2) - As Evaluated	_
751,735.00				Direct Unit Cost (E.1+F.1) - As Submitted	G.1
				Sub-Total for F-2 As Evaluated	
				Edulationic	F.2
Control				Fallinment	
1				Sub-Total for F-1 As Submitted	
				Materials	E
Amount (Php.)	Unit Cost	Quantity	Unit	Name and Specification	
				Direct Unit Cost (C.2 ÷ D.2) - As Evaluated	E.2
751,735.00				Direct Unit Cost (C.1 ÷ D.1) - As Submitted	E.1
				Output per Hour - As Evaluated	D.2
,				Output per Hour - As Submitted	
1				Total (A.2+B.2) - As Evaluated	C.2
751,735.00				Total (A.1+B.1) - As Submitted	
				Sub-Total for B-2 As Evaluated	
					В.2
				Fauipment	
751.735.00				Sub-Total for B-1 As Submitted	
73,840.00	1,846.00	4	-	n. Rolle	
86,920.00	2,173.00	8	. р.		
69,320.00	1,733.00	40	ļ.	t. Payloader	
56,800.00	1,420.00	40	4	e. Dump Truck	
135,160.00	3,379.00	40	Д	٥	B.1
61,480.00	1,537.00	40	2	c.	
98,000.00	2,450.00	40	1	b. Water Truck	
170,215.00	4,255.38	40	H	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	
				Labor	A.2
1				Sub-Total for A-1 As Submitted	
				Labor	A.1
Amount (Php.)	Hourly Rate	No. of Hour/s	No. of Person/s	Designation	

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Construction of By-Pass ar version Roads, Mampanga - Sta. Catalina Section Di on Road, 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 102(1)
Unsuitable Excavation
1,075.00 cu.m.
20.00

ELWICK P. ACUÑA Engineer II

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Construction of By-Pass and

arsion Roads, Mampanga - Sta. Catalina Section Div n Road, 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(3)

Foundation Fill
: 3.00 cu.m.
: 3.00

	THE RESIDENCE AND ADDRESS OF THE PARTY OF TH	The state of the s		12000
Hourly Rate Amount (Php.)	No. of Hour/s	No. of Person/s	Designation	

					L
				Total Unit Cost - As Evaluated	
				Total Unit Cost - As Submitted	
				Value Added Tax - As Evaluated	J.2
				Value Added Tax - As Submitted	J.1
				Contractor's Profit - As Evaluated	1.2
				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	G.2
				Direct Unit Cost (E.1+F.1) - As Submitted	G.1
				Sub-Total for F-2 As Evaluated	
				majan jari vari s	F.2
1,769.63				Sub-lotal for F-1 AS Submitted	
				Och Tabel Gor F. 4. An Ochonikasi	
1,769.63	1,538.81	1.15	cu.m.	Materials a. Filling Materials (Well Graded Sand)	F.1
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
				Output per Hour - As Submitted	D.1
				Total (A.2+B.2) - As Evaluated	C.2
				Total (A.1+B.1) - As Submitted	C.1
				Sub-Total for B-2 As Evaluated	
				espaintmark	В.2
				Equipment	
				Sub-Total for B-1 As Submitted	
				Minor Tools 10% of Labor	
	2,450.00	0.01	1	b. Water Truck/Pump (16000 L)	
	123.00	1	1	a. Plate Compactor (5 hp)	-
				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	
				Sub-Total for A-1 As Submitted	
	45.16	1	4	b. Unskilled Laborer	1
	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

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Construction of By-Pass ar version Roads, Mampanga - Sta. Catalina Section Di on Road, Zamboanga City Zamboanga City

FORM-POW-2015-01D-00

Item No./Description

: 103(6)a

Pipe Culverts and Drain Excavation
: 30.00 cu.m.
: 30.00

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

,			-	Total Offic COSt - As Evaluated	7.7
190,60					SIS
1				Value Added Tax - As Evaluated	J.2
9,08				Value Added Tax - As Submitted	J.1
a				Contractor's Profit - As Evaluated	1.2
12.31				Contractor's Profit - As Submitted	I.1
1			luated	Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated	H.2
15,38			mitted	Overhead, Contingencies & Miscellaneous (OCM) - As Submitted	H.1
1				Direct Unit Cost (E.2+F.2) - As Evaluated	G.2
153,84				Direct Unit Cost (E.1+F.1) - As Submitted	G.1
				Sub-Total for F-2 As Evaluated	Γ
				П	F.2
				Equipment	
·				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
153.84					E.1
				Output per Hour - As Evaluated	D.2
30.00				Output per Hour - As Submitted	D.1
ť					C.2
4,615.06				Total (A.1+B.1) - As Submitted	C.1
				Sub-Total for B-2 As Evaluated	
				_	В.2
				Equipment	
4,398.64				Sub-Total for B-1 As Submitted	
21.64				FILLOI TOOIS 10% OF LABOR	
1,537,00	1,557,00	1	-	2	
2,840.00	1,420.00	-		- 0	B,1
)	Equipment	
Amount (Php.)	Hourly Rate	No. of Hour/s	No. of Units	Name and Capacity	37,000
				Sub-Total for A-2 As Evaluated	
				_	A.2
				Labor	
216,42				Sub-Total for A-1 As Submitted	
135,47	45.16	1	3	þ.	7
80.95	80.95	1	1	a. Foreman	>
				Labor	
Amount (Php.)	Hourly Rate	No. of Hour/s	No. of Person/s	Designation	
The second secon	The state of the s				-

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Construction of By-Pass ar

version Roads, Mampanga - Sta. Catalina Section Di Zamboanga City

on Road, Zamboanga City

FORM-POW-2015-01D-00

Item No./Description

Unit of Measurement
Output per hour-As Submitted
Output per hour-As Evaluated ** ** :** : 104(1)a
Embankment from Roadway Excavation
: 3,485.00 cu.m.
: 50.00

				Local Offic Coat - Va Fyairdacch	7.5
286,09				Total Unit Cost - As Submitted	SIA
1				Value Added Tax - As Evaluated	J.2
13.62				Value Added Tax - As Submitted	J.1
ur.				Contractor's Profit - As Evaluated	1.2
18,47				Contractor's Profit - As Submitted	I.1
1			luated	Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated	H.2
23,09			mitted	Overhead, Contingencies & Miscellaneous (OCM) - As Submitted	H.1
*				Direct Unit Cost (E.2+F.2) - As Evaluated	G.2
230.90				Direct Unit Cost (E.1+F.1) - As Submitted	G.1
				Sub-Total for F-2 As Evaluated	
				Edulpriici II.	F.2
				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
230.90				Direct Unit Cost (C.1 ÷ D.1) - As Submitted	E.1
30,00				Output per Hour - As Evaluated	D.2
				Output per Hour - As Submitted	2 2
11,545.07				Total (A.1+6.1) - As Submitted	3 5
				Sub-Total for B-2 As Evaluated	
				7.50	В.2
11,23,11				Equipment	
11 221 6				Sub-Total for B-1 As Submitted	
612.50	2,450.00	0.25	1	c. Water Truck/Pump (16000L)	
1,846.00	1,846.00	1	1	b. Vibratory Roller (10 mt), SD100C	
2,173.00	2,173.00	1	1	a. Motorized Road Grader (140 hp), G170A	
				Spre	
2,357.20	1,420,00	0.83	2	Ü	B.1
1,438,39	1.733.00	0.83	1		
2.804.57	3.379.00	0.83	1	a. Bulldozer, D6H Series II PSDS/DD	
				Equipment For Excavation Work	
Amount (Php.)	Hourly Rate	No. of Hour/s	No. of Units	Name and Capacity	
				Sub-Total for A-2 As Evaluated	
				Labor	A. 2
313,41				Sub-Total for A-1 As Submitted	
90.31	45.16	1	2	b. Urskilled Laborer	******
80.95	80.95	1	1		
				Spreading and Compaction	
74.96	45.16	0.83	2	b.	A.1
67.19	80.95	0.83	1	a. Foreman	
				For Excavation Work	
Samount (culps)	Tours I was	at the second		labor	
Amount (Phn.)	Hourly Rate	No. of Hour/s	No. of Person/s	Designation	
Amount (Php.)	Hourly Rate	No. of Hour/s	Person/s	No. of	Designation No. of

ELWICK P. ACUÑA Engineer II

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Construction of By-Pass an

rersion Roads, Mampanga - Sta. Catalina Section Div n Road, Zamboanga City Zamboanga City

FORM-POW-2015-01D-00

Item No./Description 100

104(2)a Embankment from Borrow 16,504.00 cu.m. 50.00

. . .

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

			2	7	
•				Total Unit Cost - As Evaluated	K.2
720.47				Total Unit Cost - As Submitted	K.1
1				Value Added Tax - As Evaluated	J.2
34.31				Value Added Tax - As Submitted	J.1
1				Contractor's Profit - As Evaluated	1.2
46.52				Contractor's Profit - As Submitted	1.1
ı			luated	Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated	H.2
58.15			mitted	Overhead, Contingencies & Miscellaneous (OCM) - As Submitted	H.1
				Direct Unit Cost (E.2+F.2) - As Evaluated	G.2
581.49					G.1
				Sub-Total for F-2 As Evaluated	
					F.2
485,44				Sub-Total for F-1 As Submitted	
				(with 25% wastage factor)	
485,44	388.35	1.25	cu.m.		7.
				Materials	<u>n</u>
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					D.1
r				Total (A.2+B.2) - As Evaluated	C.2
4,802.76				_	C.1
				Sub-Total for B-2 As Evaluated	
				2	В.2
				Equipment	
4,631.50				Sub-Total for B-1 As Submitted	
612.50	2,450.00	0.25	1	c. water iruck/Pump (16000L)	
1,846.00	1,846.00	2	1	ė	
2,173.00	2,173.00	<u></u>	1	ē	B.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	
171.26				Sub-Total for A-1 As Submitted	
90.31	45.16	1	2	.p.	ì
80.95	80.95	1	1	a.	Δ.
				Labor	
Amount (Php.)	Hourly Rate	No. of Hour/s	No. of Person/s	Designation	

ELWICK P. ACUÑA Engineer II

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Construction of By-Pass ar version Roads, Mampanga - Sta. Catalina Section Di on Road, 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 104(5) Boulder Fill 1,337.00 cu.m. 6.25

K. 2	<u>.</u>	J.2	1.1	7:7	7		H.2	H.1	G.2	G.1	Γ	F.2			-	TI .		E.2	E.1	D.2	D.1	C.2	C.1		B.2			-	0.1	0	-		A.2	T			-	D		
Total Unit Cost - As Evaluated	_	Value Added Tax - As Evaluated	Value Added Tax - As Submitted	COTUTACIONS PROTIT - AS EVALUATED	Contractor's Drofit As Evaluated	_	Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated	-	Direct Unit Cost (E.2+F.2) - As Evaluated	_	_	2	Equipment	Sub-Total for F-1 As Submitted	a. Boulders (with 5% wastage factor)	1-1	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.1+B.1) - As Submitted	Sub-Total for B-2 As Evaluated		Equipment	Sub-Total for B-1 As Submitted		-	a. Backhoe (0.80 cu.m.)	Name and Capacity	Sub-Total for A-2 As Evaluated	200	Lahor	Sub-Total for A-1 As Submitted	c. Unskilled Laborer	b. Skilled Laborer	a	Labor	Designation
							luated	mitted							cu.m.		Unit													1	No. of Units					8	2	1		No. of Person/s
															1.05		Quantity													ı	No. of Hour/s					1	1	1		No. of Hour/s
															1,238.81		Unit Cost													1,537.00	Hourly Rate					45,16	58.61	80.95		Hourly Rate
	2,038.31	1	97.06		10101	131.61	-	164.51	1	1,645.12				1,300.75	1,300.75		Amount (Php.)		344.38		6,25	1	2,152.36				1,592,94		55.94	1,537.00	Amount (Php.)			000	559.42	361.25	117.22	80.95		Amount (Php.)

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Construction of By-Pass an ersion Roads, Mampanga - Sta. Catalina Section Div n Road, Zamboanga City

Zamboanga City

FORM-POW-2015-01D-00

Item No./Description

.. 105(1)a Subgrade Preparation 9,668.00 cu.m. 300.00

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

- 1				J.1	1.2		Н.2					7.7	٦ د		F.1		E.2	_	D.2	D.1	C.2	C.1		В.2					8.1					A.2				Α.		
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.Z+F.Z) - As Evaluated	Direct Unit Cost (E.1+F.1) - As Submitted	oup-location r-z As Evaluated	O. h Tatal Garage As Productive	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	- 1	- 1	- 1	a. Backhoe (0.80 cu.m.)	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
							aluated	bmitted								Unit													P	1		No. of Units					2	1		No. of Person/s
																Quantity											0110	0.25	-	1		No. of Hour/s					1	H		No. of Hour/s
																Unit Cost											1,100,000	2 450 00	1.846.00	2,173.00		Hourly Rate					45.16	80.95		Hourly Rate
		19 84		0.94		1.28	t	1.60	1	16.01				1		Amount (Php.)		16.01		300.00	£	4,802.76				4,631.50	015:00	612 50	1.846.00	2.173.00		Amount (Php.)				171.26	90.31	80.95		Amount (Php.)

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Construction of By-Pass and

ersion Roads, Mampanga - Sta. Catalina Section Div n Road, Zamboanga City Zamboanga City

FORM-POW-2015-01D-00

Item No./Description

200(1)
Aggregate Subbase Course
11,532.00 cu.m.
50.00

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

					ſ
				Total Unit Cost - As Evaluated	<u>~</u> 2
1,285.69				Total Unit Cost - As Submitted	K.1
1				Value Added Tax - As Evaluated	J.2
61.22				Value Added Tax - As Submitted	J.1
				Contractor's Profit - As Evaluated	I.2
83,01				Contractor's Profit - As Submitted	I.1
1			uated	_	7.1
103.77			mitted	┸	I.I.
					G.2
1,037.68				Direct Unit Cost (E.1+F.1) - As Submitted	G.1
				Sub-Total for F-2 As Evaluated	
				Edalpinoric	F.2
941.03				For inment	
041 63				Sub-Total for E-1 As Submitted	
				(with 15% wastage factor)	
941.63	818.81	1.15	cu.m.	a.	F.1
				Materials	
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
					D.2
50.00					D.1
				_	C.2
4,802.76					C.1
				Sub-Total for B-2 As Evaluated	
				7.255	B.2
				Equipment	
4,631.50				Sub-Total for B-1 As Submitted	
612.50	2,450.00	0.25	1	c. Water (ruck/Pump (16000 L)	
1,846.00	1,846.00	Þ	1	b.	
2,173.00	2,173.00	1	<u></u>	a.	B.1
				Equipment	
Amount (Php.)	Hourly Rate	No. of Hour/s	No. of Units	Name and Capacity	
				Sub-Total for A-2 As Evaluated	
				X 15-2	A.2
				Labor	
171.26				Sub-Total for A-1 As Submitted	
90,31	45.16	1	2	D. Oliskiled Laborer	
20.95	80.95	-) <u>-</u>	۾	A.1
				Labor	
Allouit (Filb.)	Hourly Nate	No. of Hodi/s	No. of Felsonya		
Amount (Dhn)	Harriety Data	No of Hour/e	No of Person/s	Decimation	

Engineer II

Checked/Reviewed

Construction of By-Pass an ersion Roads, Mampanga - Sta. Catalina Section Div n Road, 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
162.00 cu.m.
50.00

J.2 Value		上	┸			H.2 Over	H.1 Over	_	_			F.2		Sub-	T	F.1 a.	Mate		E.2 Direc	E.1 Direc	D.2 Outp	D.1 Outp	C.2 Tota	_	Sub-	B.2	Equi	Sub-	i.	Þ.		Equi		_	A.2	Labor	Sub-	Ö	1000	Labor	
Total Unit Cost - As Submitted	Value Added Tax - As Evaluated	Value Added Tax - As Submitted	Colluduo S Plolit - AS Evaluated	racker's Drofit - 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 (E.T.T.L.T) - As administration	+ I hit Cost (E 1 + E 1) - As Submitted	Sub-Total for F-2 As Evaluated		Equipment	Sub-Total for F-1 As Submitted	(Mill 13% Mastage Iacm)	Uncrushed Aggregate Surface Course	rials	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)	Vibratory Roller (10 mt), SD100C	Motorized Road Grader (140 hp), G710A	Equipment	Name and Capacity	Sub-Total for A-2 As Evaluated		T	Sub-Total for A-1 As Submitted	Unskilled Laborer	Foreman	r	Designation
						luated	mitted									cu.m.		Unit											1	-1	ı		No. of Units					2	1		No. of Person/s
																1.15		Quantity											0.25) L	Ľ		No. of Hour/s					1	1		No. of Hour/s
																836,81		Unit Cost											2,450.00	1,846.00	2,173.00		Hourly Rate					45.16	80.95		Hourly Rate
1,311.33	,	62.44			84.67	-	105.84		1,056,36	1 050 30				962.33		962.33		Amount (Php.)		96.06		50,00	ı	4,802.76				4,631.50	612.50	1,846.00	2,173.00		Amount (Php.)				171.26	90,31	80.95		Amount (Php.)

Engineer II

Prepared by:

Checked/Reviewed

Construction of By-Pass an ersion Roads, Mampanga - Sta. Catalina Section Div n Road, Zamboanga City

FORM-POW-2015-01D-00

Item No./Description

311(1)a
Portland Cement Concrete Pavement
9,788.00 sq.m.
107.33

..

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

				Total Offic Cost - As Evaluated	7.4
1,158.88				Total Unit Cost - As Submitted	
				Value Added Tax - As Evaluated	J.2
55,18				Value Added Tax - As Submitted	
				Contractor's Profit - As Evaluated	1.2
74.83				Contractor's Profit - As Submitted	
			luated	Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated	Н.2
93,53			As Submitted	(OCM) -	
				Direct Unit Cost (F 2+F 2) - As Evaluated	
935.33				Direct Unit Cost (E.1+F.1) - As Submitted	6.1
				Sub-Total for E-2 As Evaluated	F,2
				Equipment	n د
815.17				Sub-Total for F-1 As Submitted	
0:17	115,50	0.0010	r		
	112.50	0.0015	-	Grease/Tar	
	61.00	0.0078	3 3		
0.38	2.500.00	0.00015	DC.	a. Concrete Saw (Diamond Blade 14" dia.)	
433 79	10.00.11	1.43	ban.	a. Cement	
28 UUC	1,230,01	0.0023	G Willi		į
176.01	4 5 20 04	0.40	2 2		ņ
12.00	00.00T	0.12	3 -		
CT.UT	35.00	0.29	- -		
12.54	38.00	0.33	- Ķ		
				122	
Amount (Php.)	Unit Cost	Quantity	Unit	Name and Specification	
				Direct Unit Cost (C.2 ÷ D.2) - As Evaluated	E.2
120.16				Direct Unit Cost (C.1 ÷ D.1) - As Submitted	E.1
				Output per Hour - As Evaluated	
107.33				Output per Hour - As Submitted	
12,890./3				Total (A 2+R 2) - As Evaluated	3 5
400				Total (A 11B 1) - As Evaluated	2
				O H H H H H H H H H H H H H H H H H H H	B.2
				Equipment)
12,039.47				Sub-Total for B-1 As Submitted	
42.86				Mnor Tools 5% of Labor	
21.98	219,75	0.1	,		
32 63	32.63	1	-	n. Concrete Saw (7.5 hp). 14" Blade dia.	
2 450 00	2.450.00		- -	f. Water Truck/Pump (16000 L)	
1,733,00	1,/33,00	٠,	٠ -	D [B.1
1,759.50	1,759.50	۰ ۲	۰ ۲		
182.50	91.25	_	2	100	
5,272.00	1,318.00	۲	4	a. Transit Mixer (5 cu.m.)	
				Equipment	
Amount (Php.)	Hourly Rate	No. of Hour/s	No. of Units	Name and Capacity	
				Sub-Total for A-2 As Evaluated	
				Läbor	A.2
857.26				Sub-Total for A-1 As Submitted	
541,88	45.16	1	12	b. Unskilled Laborer	
234.44	58.61	-	4	_	A.1
80.95	80.95	_	4	a [a	
		1.5			
Amount (Php.)	Hourly Rate	No. of Hour/s	No. of Person/s	Designation	

Engineer II

Checked/Reviewed

Construction of By-Pass an

ersion Roads, Mampanga - Sta. Catalina Section Div n Road, Zamboanga City Zamboanga City

FORM-POW-2015-01D-00

Item No./Description

311(1)e1
Portland Cement Concrete Pavement
32,070.00 sq.m.
57.50

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

				2	- 1
- 10,70				Total Unit Cost - As Submitted	
2446				Value Added Lax - As Evaluated	12
100.80				Value Added Tax - As Submitted	
				Contractor's Profit - As Evaluated	1.2
136.67				Contractor's Profit - As Submitted	
	11		luated	Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated	
170,84			mitted	Overhead, Contingencies & Miscellaneous (OCM) - As Submitted	_
- In order				Direct Unit Cost (E.2+F.2) - As Evaluated	6.5
1.708.39				Direct Unit Cost (E.1+F.1) - As Submitted	
				Sub-Total for F-2 As Evaluated	_
				Equipment	2
1,484.10				Sub-Total for F-1 As Submitted	
0.88	112.50	0.0078	L		
0,48	61.00	0.0078	m.	1	
0.38	2,500.00	0.00015	pc.	a. Concrete Saw (Diamond Blade 14" dia.)	_
805,98	303.00	2.66	bag	a. Cement	
374.87	1,338.81	0.28	cu.m.	200	_
236,98	1,538.81	0.154	cu.m.	ā	F.1
18,40	40.00	0.46	m.	a. Steel Forms (Rental)	_
17.00	100.00	0.17	٦	100	_
10	35.00	0.29	٦	a. Curing Compound	
19.00	38.00	0.50	kģ	Materials a. Reinforcing Steel Bar	
Amount (Php.)	Unit Cost	Quantity	Unit	Name and Specification	
				Dilette Collis Cook (Cite + Dit) Les Etalladica	
224.29				Direct Unit Cost (C.1 ÷ D.1) - As Submitted	E,1
				Output per Hour - As Evaluated	_
57,50				Output per Hour - As Submitted	
				Total (A.2+B.2) - As Evaluated	
12,896.73				Total (A.1+B.1) - As Submitted	0.1
				Sub-Total for B-2 As Evaluated	-
				- Equipment	B.2
12,009.47				Conjument of the Subillification	
1202				Sub-Total for B.1 As Submitted	_
42.86				Mnor Tools 5% of Labor	
21.98	219.75	0.1	<u>_</u>	h. Bar Cutter, Single Phase	_
32,63	32.63	1	1	g. Concrete Saw (7.5 hp), 14" Blade dia.	_
2,45	2,450.00	1	1	f. Water Truck/Pump (16000 L)	_
545,00	545.00	1	1	e. Concrete Screeder (5.5 hp)	D.L
1,733.00	1,733.00	1	1	d.	0
1,759.50	1,759.50	н	ь		_
182.50	91.25	1	2	b. Concrete Vibrator	_
5,272.00	1,318.00	1	4	a. Transit Mixer (5 cu.m.)	
				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
857.26				Sub-Total for A-1 As Subitilitied	
07				Sub-Total for A.1 As Submitted	
541.88	45.16	1	12	b. Unskilled Laborer	_
234.44	58.61	1	4	Þ.	,
80.95	80.95	1	1		_
				Labor	
Amount (Php.)	Hourly Rate	No. of Hour/s	No. of Person/s	Designation	
50 (3000) vi	State of contrast	TO COMPANY OF A			

ELWICK P. ACUÑA Engineer II

Prepared by

Checked/Reviewed

Construction of By-Pass an ersion Roads, Mampanga - Sta. Catalina Section Div n Road, 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 500(1)b3
Pipe Culverts
21.50 In.m.
1.00

3,/19.45				Total Unit Cost - As Subritited Total Unit Cost - As Evaluated	2
				┸	J.2
177.12					J.1
1				Contractor's Profit - As Evaluated	1.2
240.16				Contractor's Profit - As Submitted	1.1
-1			luated		H.2
300.20			mitted		H.1
1					G.2
3,001.98				1	G.1
				Sub-Total for F-2 As Evaluated	
				П	F.2
				Equipment	7
2,283.07				Sub-Total for F-1 As Submitted	
196,97	1,538.81	0.13	cu.m.	d. Sand Bedding/Selected Sandy Soil	
1,665.00	1,665.00	1.00	pc.		
93.87	1,538.81	0.06	cu.m.	.p	F.1
327.24	303.00	1.08	bag	a	ļ
				Materials	
Amount (Php.)	Unit Cost	Quantity	Unit	Name and Specification	
				Direct Unit Cost (C.2 ÷ D.2) - As Evaluated	E.2
718.90					E.1
					D.2
1.00				Output per Hour - As Submitted	D.1
1				_	C.2
718.90				_	C.1
				Sub-Total for B-2 As Evaluated	
				2 Equipment	B.2
502.99				Sub-local for B-1 AS Submitted	T
				Sub-Total for B.1 As Submitted	
21.59				Minor Tools 10% of Labor	
35,67	123.00	0.29	1	þ,	Į.
445.73	1,537.00	0.29	1	_	ם ם
				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	
215,91				Sub-Total for A-1 As Submitted	
26.701	01.26	0.37	1	r. Cipinica Egorici	
100.00	70,01	75.0	1 2		
40,14	50,53	0.57	2 +	_	A.1
A6 1 A	20.05	0.57	-		*
20 70 10				Lahor	
Amount (Php.)	Hourly Rate	No. of Hour/s	No. of Person/s	Designation	

ELWICK P. ACUÑA Engineer II

Checked/Reviewed

Construction of By-Pass an rersion Roads, Mampanga - Sta. Catalina Section Di n Road, 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 505(2)a Grouted Riprap, Class "A" 12.00 cu.m. 1.25

				TO SET STILL SAME LINE PRODUCTION	
67.797,0				Total Unit Cost - As Subilitied Total Unit Cost - As Evaluated	S
2 2 2 2 2 2				Value Added Tax - As Evaluated	
293,68				Value Added Tax - As Submitted	┸
				Contractor's Profit - As Evaluated	
398.21				Contractor's Profit - As Submitted	┸
			luated	_	H.2
497.76			mitted		
r				Direct Unit Cost (E.2+F.2) - As Evaluated	G.2
4,977.63				Direct Unit Cost (E.1+F.1) - As Submitted	G.1
				Sub-Total for F-2 As Evaluated	
				T	F.2
ly cist				Equipment	
4.249.74				Sub-Total for F-1 As Submitted	
42.08				Miscellaneous 1% of Material Cost	
1,300.75	1,238.81	1.05	cu.m.		
2,40	160.00	0.015	sq.m.	e. Filter Cloth	
1,410.00	4,700.00	0.30	m.	d. Weep Holes (PVC)	i
200.82	1,338.81	0.15	cu.m.	c. Gravel	TI
384.70	1,538.81	0.25	cu.m.	b. Sand	
909,00	303.00	3.00	bag	a. Cement	
				Materials	
Amount (Php.)	Unit Cost	Quantity	Unit	Name and Specification	
				Direct Unit Cost (C.2 ÷ D.2) - As Evaluated	E.2
727.89				Direct Unit Cost (C.1 ÷ D.1) - As Submitted	
				Output per Hour - As Evaluated	D.2
1.25				Output per Hour - As Submitted	D.1
				Total (A.2+B.2) - As Evaluated	
909,86				Total (A.1+B.1) - As Submitted	C.1
				Sub-Total for B-2 As Evaluated	
				Equipment	B.2
350.44				Sub-Total for B-1 As Submitted	
55,94				Minor Tools 10% of Labor	
122.50	2,450.00	0.05	1	b.	
172.00	172.00	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
25,42				Jahor Total Ioi A I As Sabilitated	
				Sub-Total for A.1 As Submitted	
361.25	45.16	1	8	b. Unskilled Laborer	
117.22	58.61	1	2	b. Skilled Laborer	į
80.95	80.95	1	11	a. Foreman	Δ.
				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 an rersion Roads, Mampanga - Sta. Catalina Section Divon Road, Zamboanga City Zamboanga City

FORM-POW-2015-01D-00

Item No./Description 5.5

Unit of Measurement
Output per hour-As Submitted
Output per hour-As Evaluated 506(1)
Stone Masonry
27.00 cu.m.
1.60

K.2	<u></u>	J.2	J.1	1.2	1.1	H.2	H.1	G.2	G.1		F.2	T	•				-	п					E.2	E.1	D.2	D.1	C.2			В.2	T				B.1					A.2					A.1	e:		
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		Equipment	Sub-Total for F-1 As Submitted	Miscellaneous 1% of Material Cost	f. Boulder	e. Filter Cloth	d.	c. Gravel	b. Sand	a. Cement	Materials	Name and Specification	Direct Unit Cost (C.2 ÷ D.2) - As Evaluated	Direct Unit Cost (C.1 ÷ D.1) - As Submitted	Output per Hour - As Evaluated	Output per Hour - As Submitted	Total (A.2+B.2) - As Evaluated	Total (A.1+B.1) - As Submitted	Sub-Total for B-2 As Evaluated	r-Ambinonie	For low to but to business	Sub-Total for B-1 As Submitted	Minor Tools 10% of Labor	c. Backhoe (Wheel Type, 0.28 cu.m.)	b.	a. One Bagger Mixer	Equipment	Name and Capacity	Sub-Total for A-2 As Evaluated		Labor	Sub-Total for A-1 As Submitted	בי מומחורא במצמיכו	- 1	p [lahor	Designation
						luated	omitted								cu.m.	sq.m.	₽	cu.m.	cu.m.	bag		Unit												1	1	-		No. of Units					c	20 1	2	1		No. of Person/s
															1.05	0.30	0.02	0.20	0.30	5.50		Quantity												1.0	0.05	1		No. of Hour/s					F	٠,	٠,	H		No. of Hour/s
															1,238.81	160.00	4,700.00	1,338.81	1,538.81	303.00		Unit Cost												922,00	2,450.00	172.00		Hourly Rate					OT'CL	4E 16	58.61	80.95		Hourly Rate
ts	5,579.62	1	265.70	×t.	360.27	1	450.33	1	4,503.32			of or 1,100	3.877.03	38,39	1,300.75	48.00	94.00	267.76	461.64	1,666.50		Amount (Php.)		626.29	1222	1.60	-/00-100	1.002.06			772.07	442 64	55.94	92.20	122.50	172.00		Amount (Php.)				559,42	301.23	361 35	117.22	80.95		Amount (Php.)

ELWICK P. ACUÑA Engineer II

Checked/Reviewed

Construction of By-Pass an ersion Roads, Mampanga - Sta. Catalina Section Diversion Road, Zamboanga City

FORM-POW-2015-01D-00

Item No./Description

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

. . . .

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

				0	
1 2				Total Unit Cost - As Evaluated	K.2
017 15				Total Unit Cost - As Submitted	Z
73:07				Value Added Tax - As Evaluated	7 1
43 67				Value Added Tax - As Submitted	7
				Contractor's Profit - As Evaluated	1.2
59.22				Contractor's Profit - As Submitted	1.1
(1			luated		H.2
74.02			mitted		H.1
•					G.2
740.23				Direct Unit Cost (E.1+F.1) - As Submitted	G.1
				Sub-Total for F-2 As Evaluated	
					F.2
				_	
677.02				Sub-Total for F-1 As Submitted	
74.4					
32 24	200100		ij	Miscellaneous 5% of Material Cost	
12 50	100.00	0.13	ko.	- 1	
1,66	828.00	0.00	cyl.		
13.80	3,450.00	0.00	cyl.	d. LPG (50 kg.)	;
19.20	160.00	0.12	_	c. Primer	П
82.50	2,500.00	0.03	bag	b. Glass Beads	-
515.13	1,585.00	0.33	bag	a. Thermoplastic Paint (White)	
				Materials	
Amount (Php.)	Unit Cost	Quantity	Unit	Name and Specification	
				Direct Unit Cost (C.2 ÷ D.2) - As Evaluated	E.2
63.21					E.I
					D.2
25.00				٠	D.1
-					C.2
1.580.27				_	2
				Sub-Total for B-2 As Evaluated	
				-	B.2
				Equipment	
1,111.16				Sub-Total for B-1 As Submitted	
10.01					
46 91	101.101	1	,	Minor Tools 10% of Labor	
197 50	187 50	٠	٠,	5	,
93.75	93.75	-	٠,	7	В.
783 00	783 00	_	1	equipment a. Cargo Truck (2 - 5 mt.)	
Leder A support					
Amount (Php.)	Hourly Rate	No. of Hour/s	No. of Units	Name and Capacity	
				Sub-Total for A-2 As Evaluated	
				-	A.2
				Labor	
469.11				Sub-Total for A-1 As Submitted	
270101	10120	,		- 1	
270.94	45.16	1	6	- 4	
117.22	58.61	-	2	.5	A.1
80.95	80.95	1	1		:
				Labor	
Amount (Php.)	Hourly Rate	No. of Hour/s	No. of Person/s	Designation	
	Commence of the Commence of th				Ì

ELWICK P. ACUÑA Engineer II

Prepared by:

Checked/Reviewed

Construction of By-Pass an rersion Roads, Mampanga - Sta. Catalina Section Div n Road, Zamboanga City Zamboanga City

FORM-POW-2015-01D-00

Item No./Description

612(2)
Reflectorized Thermoplastic Pavement Markings (Yellow)
17.00 sq.m.
25.00

. . .

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

				Total Unit Cost - As Evaluated	
\perp				Total Unit Cost - As Submitted	<u> </u>
L				Value Added Tax - As Submitted	
				Contractor's Profit - As Evaluated	L
				Contractor's Profit - As Submitted	
			uated	Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated	H.2
			mitted	Overhead, Contingencies & Miscellaneous (OCM) - As Submitted	_
				Direct Unit Cost (E.2+F.2) - As Evaluated	\perp
_				Direct Unit Cost (E.1+F.1) - As Submitted	G.1
				Sub-Total for F-2 As Evaluated	
L				Equipment	II J
Ц				Sub-Total for F-1 As Submitted	
\perp				Miscellaneous 5% of Material Cost	
ŏ	100.00	0.13	kg.	100	
8	828,00	0.00	cyl.	-	
8	3,450.00	0.00	cyl.	d. LPG (50 kg.)	i
8	175.00	0.12	L	c. Primer	<u> </u>
8	2,500.00	0.03	bag	b. Glass Beads	
8	1,800.00	0.33	bag	a. Thermoplastic Paint (Yellow)	
4				Materials	
	Unit Cost	Quantity	Unit	Name and Specification	
Ц				Direct Unit Cost (C.2 ÷ D.2) - As Evaluated	E.2
				Direct Unit Cost (C.1 ÷ D.1) - As Submitted	E.1
\perp				Output per Hour - As Evaluated	0.2
L				Output per Hour - As Submitted	1 5
\perp				Total (A.1+6.1) - As Submitted	3 5
Ш				Sub-Total for B-2 As Evaluated	
\downarrow					B.2
_				Equipment	
\perp				Sub-Total for B-1 As Submitted	
Ш				Minor Tools 10% of Labor	
ö	187.50	H	1	c. Kneading Machine	
75	93.75	ь	1	b. Applicator Machine	B.1
8	783.00	р.	1	a. Cargo Truck (2 - 5 mt.)	
1				Equipment	
	Hourly Rate	No. of Hour/s	No. of Units	Name and Capacity	
Ц				Sub-Total for A-2 As Evaluated	
				Edizori	A.2
1				ahor	
\perp				Sub-Total for A-1 As Submitted	
16	45.16	1	6	b. Unskilled Laborer	
62	58.61	1	2	b. Skilled Laborer	1
5	80.95	1	1	a. Foreman	<u> </u>
				Labor	
	Hourly Rate	No. of Hour/s	No. of Person/s	Designation	
I				The second secon	Ī

Engineer II

Checked/Reviewed

UNIT COST ANALYSIS FOR HAULING COST FOR PORTLAND CEMENT

TOTAL QUANTITY REQUIREMENTS FOR PORTLAND CEMENT

99,645.76	1 W 1 O 1
	The American
148.50	Stone Masonry
36.00	Grouted Riprap, Class "A"
23.22	Pipe Culverts
85,306.20	Portland Cement Concrete Pavement
13,996.84	Portland Cement Concrete Pavement
135.00	Construction of Field Office for the Engineer
QUANTITY (Bags)	DESCRIPTION

90.00

45.00

Quantity = 99,645.76 Bags

Delivery Charge = P 0.120 /bag/km.

	Batching plant
16.50	Zamboanga City DEO
HAULING DISTANCE	У—1 г
	1

^{*}Average having distance from Source to assumed Stockpiling area: say $16.50\,\mathrm{km}.$

Delivery Charge = P 0.120 **1.98** /bag 16.50

*Delivery Truck

99,645.76 bags., (hauling works)
20,000.00 kgs., (capacity per haul)
500.00 bags, (capacity per haul)

Q

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

Dumptruck daily output Using (3) Dumptrucks No. of trips for Dumptruck per day Capacity of Dumptruck Loading and Unloading allowance for delay/traffic Unloaded running Speed when loaded Speed when unloaded Total Cycle time Loaded running 3 3 8,0 40.00 16.50 × 30.00 16,50 500.00 105.75 40.00 45.00 8.00 3.00 x 4.54 = x 2269.50 = × 6 60.00 4.54 mins. bags mins. cu.m. ģ 8 60 33.00 mins. 24.75 mins. 4.54 6,808.51 2,269.50 say cu.m. cu.m. 4.54

5 No. of days for Delivery Truck No. of days for Labor, for 11 99.645.76 6,808.51 14.64 say 11 14.64 days days

큐.

unloading complimentary to D. Truck days 14.64

			303.00 / Bag	say P 3	99,645.76 Bags 302.57 / Bag, 30,150,070.78 197,298.60 59,044.17 29,893,728.00	סססספ	Estimated Quantity Unit Cost Grand Total Delivery Cost Labor Materials
29,893,728.00 29,893,728.00	-0	וו	/ bag Sub - Total	@ P 300.00	Cement	Bags, Portfand (Pick-Up Price)	MATERIALS: 99,645.76 - Bags, Portland Cement (Pick-Up Price)
8,955.74 50,088.44 59,044.17	-0	וו וו טר טר	14.64 days 14.64 days Sub-Total	611.92 /day × 342.24 /day ×	ම ම අ අ	BOR: 1 - Foreman 10 - Laborers, unloading	IABOR: 1 - Foreman 10 - Laborers,
197,298.60 197,298.60	-0	וו	/ bag Sub - Total	@P 1.98	Cement	: ags, Portland	DELIVERY COST: 99,645.76 - 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** Terrain Flat to Rolling

1,000.00 Hauling Distance cu.m. 5.00 Ŕij.

Effective Working Hours 8.00

hrs.

Hauling: Using 10.00 cu.m.capacity Dumptruck

Maximum Volume to be Carried per DT Unit weight of Fine Aggregates Weight of Dumptruck (cap. 10.00 cu.m.) Unit weight of Coarse Aggregates 1,640.00 16,000.00 1,534.00 11.57 kg/m3 kg/m3 cu.m. kgs.

*Dumptruck (10 Wheeler) days computation: TIME-MOTION ANALYSIS 30.00

Speed when unloaded Speed when loaded 5.00 40,00 호 Š

Loaded running 5,00 30.00 8 11 10.00 mins.

Unloaded running 40.00 60 7.50 mins.

Loading and Unloading allowance for delay/traffic 5.00 3.00 mins. mins.

Capacity of Dumptruck Total Cycle time 25.5010.00 cu.m. mins.

per day No. of trips for Dumptruck Using (5) Dumptrucks Dumptruck daily output 11 11 5 70 x 60 25.50 ×× 18.82 60,00 II II 188.24 18.82 cu.m. say 18.82

trips

No. of days for Dumptrucks 11 1,000.00 941.18 П 1.06 say 1.06 days

188.24

941.18 cu.m.

EQUIPMENT USED : (2009 ACEL RATES)

 Unit Dumptruck ® P 11,360.00 /day × Sub - Total 1.06 days = P 70 60,350.00 60,350.00

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

	Hauling Distance		Unit Cost per cu.m./km.		Hauling Cost per cu.m.		Unit Pirce		ปกส่ Cost per cu.m.
Cost of Fine Aggregates:	11.50	×	12.07	н	138.81	+	1,400.00	П	1,538.81
Cost of Coarse Aggregates:	11.50	×	12.07	П	138.81	+	1,200.00	11	1,338.81
Cost of Item 200 Materials:	11.50 ×	×	12.07	H	138.81	+	680.00	II	818,81
Cost of Item 300 Materials:	11.50	×	12.07	II	138.81	+	698.00	u	836.81
Cost of Boulders:	11.50	×	12.07	П	138.81	+	1,100.00	П	1,238.81
Cost of Embankment, Common Borrow:	5.00	×	12.07	П	60.35	+	328.00	II	388.35