



Construction/Improvement of Access Roads Leading to Declared Tourism Destinations-NRJ Ayala - La Paz Leading to La Paz Resort , Zamboanga City
Zamboanga City

FORM POW-2015-01A-00

ITEMIZED BREAKDOWN

ITEM NO.	DESCRIPTION	QUANTITY		UNIT	DIRECT COST				TOTAL UNIT COST		% DIRECT COST
		AS SUBMITTED	AS EVALUATED		TOTAL		UNIT COST		TOTAL		
					AS 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.	414,209.49		414,209.49		521,903.96		0.90%
A.1.1(11)	Provision of Provision of Furnitures/Fixtures, Equipment and Appliances for the Field Office for the Field Engineer	1.00		L.S.	278,840.00		278,840.00		316,204.56		0.61%
A.1.2(5)	Operation and Maintenance of 4 x 4 Pick-Up Type Service Vehicle for the Engineer	5.00		month	193,805.50		38,761.10		40,699.16		0.42%
	TOTAL OF PART A				886,854.99						1.93%
PART B	Other General Requirements										
B.4(1)	Construction Survey & Staking	2.51		km.	108,438.79		43,214.07		54,449.73		0.24%
B.5	Project Billboard/Signboard	4.00		each	18,337.96		4,584.49		5,776.46		0.04%
B.7	Occupation Safety & Health	5.00		month	205,661.25		41,132.25		46,643.97		0.45%
B.9	Mobilization & Demobilization	1.00		L.S.	325,015.00		325,015.00		341,265.75		0.71%
	TOTAL OF PART B				657,453.00						1.43%
PART C	Earthworks										
101(6)	Removal of Structure/Obstructions	46.86		cu.m.	15,865.48		338.57		426.60		0.03%
102(2)	Surplus Common Excavation	16,157.15		cu.m.	2,308,759.83		142.89		180.05		5.03%
103(1)a	Structure Excavation	468.00		cu.m.	107,992.45		230.75		290.75		0.24%
103(3)	Foundation Fill	14.95		cu.m.	33,217.65		2,221.92		2,799.61		0.07%
103(6)a	Pipe Culverts and Drain Excavation	252.67		cu.m.	58,304.39		230.75		290.75		0.13%
104(1)a	Embankment from Roadway Excavation	3,127.07		cu.m.	722,045.01		230.90		290.94		1.57%
105(1)a	Subgrade Preparation	21,127.76		cu.m.	338,238.80		16.01		20.17		0.74%
	TOTAL OF PART C				3,584,423.60						7.81%
PART D	Subbase and Base Course										
200(1)	Aggregate Subbase Course	8,692.82		cu.m.	9,925,329.53		1,141.78		1,438.65		21.64%
	TOTAL OF PART D				9,925,329.53						21.64%

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ITEM NO.	DESCRIPTION	QUANTITY		UNIT	DIRECT COST				TOTAL UNIT COST		% DIRECT COST
		AS SUBMITTED	AS EVALUATED		TOTAL		UNIT COST		TOTAL		
					AS SUBMITTED	AS EVALUATED	AS SUBMITTED	AS EVALUATED	AS SUBMITTED	AS EVALUATED	AS SUBMITTED
PART E	Surface Courses										
300(1)	Gravel Surface Course	823.82		cu.m.	957,678.21		1,162.48		1,464.73		2.09%
311(1)a	Portland Cement Concrete Pavement	2,755.35		sq.m.	2,639,097.29		957.81		1,818.85		5.75%
311(1)c1	Portland Cement Concrete Pavement	15,698.00		sq.m.	22,660,565.10		1,443.53		1,818.85		49.40%
	TOTAL OF PART E				26,257,340.60						57.24%
PART G	Drainage and Slope Protection Structures										
404(1)a	Reinforcing Steel, Grade 40	9,466.08		kg.	451,576.39		47.70		60.11		0.98%
405(1)a3	Structural Concrete, Class "A"	234.00		cu.m.	1,805,039.28		7,713.84		9,719.44		3.93%
500(1)b3	Pipe Culverts	78.00		ln.m.	235,573.03		3,020.17		3,805.41		0.51%
505(2)a	Grouted Riprap, Class "A"	28.29		cu.m.	103,446.77		3,656.66		4,607.39		0.23%
506(1)	Stone Masonry	60.41		cu.m.	266,538.21		4,412.15		5,559.31		0.58%
	TOTAL OF PART G				2,862,173.68						6.24%
PART H	Miscellaneous Structure										
603(3a1)	Metal Guardrail (Including Post)	320.00		ln.m	800,208.34		2,500.65		3,150.82		1.74%
603(4a)	Metal Beam End Piece	4.00		each	5,762.91		1,440.73		1,815.32		0.01%
612(1)	Reflectorized Thermoplastic Pavement Markings (White)	584.22		sq.m.	432,457.59		740.23		932.69		0.94%
612(2)	Reflectorized Thermoplastic Pavement Markings (Yellow)	255.74		sq.m.	208,553.28		815.49		1,027.52		0.45%
622(1)a	Coco-net	609.00		sq.m.	83,724.36		137.48		173.22		0.18%
622(2)b	Coco-logs/Fascine	80.00		ln.m.	37,034.25		462.93		583.29		0.08%
622(3)a	Vegetation	608.90		sq.m.	134,226.05		220.44		277.75		0.29%
	TOTAL OF PART H				1,701,966.78						3.71%
	GRAND TOTAL				45,875,542.19						100.00%

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Construction/Improvement of Access Roads Leading to Declared Tourism Destinations-NRJ Ayala - La Paz Leading to La Paz Resort , Zamboanga City
Zamboanga City

FORM POW-2015-01B-00

MINIMUM EQUIPMENT REQUIREMENT

No.	Equipment Description	Capacity	Number of Equipment	No.	Equipment Description	Capacity	Number of Equipment
1	Dumptruck (10 Wheeler)	12 cu. Yd	10	26			
2	Bulldozer		2	27			
3	Backhoe	0.83 cu.m/1.04 cu. Yd	3	28			
4	Road Grader		2	29			
5	Road Roller	10 mt	2	30			
6	Payloader	1.50 cu.m/1.95 cu.yd	4	31			
7	Water Truck/Pump	16000L	2	32			
8	Water Tank		2	33			
9	Transit Mixer	5-6 cu. Yd	4	34			
10	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	Applicator Machine		1	44			
20	Kneading Machine		1	45			
21				46			
22				47			
23				48			
24				49			
25				50			
	SUB-TOTAL		45		SUB-TOTAL		0
TOTAL							45



REGIONAL OFFICE IX

Construction/Improvement of Access Roads Leading to Declared Tourism Destinations-NRJ Ayala - La Paz Leading to La Paz Resort , Zamboanga City
Zamboanga City

FORM POW-2015-01C-00

ITEMIZED BREAKDOWN													
ITEM NO.	DESCRIPTION		%	QTY	UNIT	DETAILED BREAKDOWN OF COMPONENT COST FOR EACH ITEM						5% VAT	TOTAL COST
						DIRECT COST			TOTAL MARK-UP				
						MATERIAL	LABOR	EQUIPMENT	TOTAL	%	VALUE		
PART A	Facilities for the Engineers												
A.1.1(3)	Construction of Field Office for the Engineer	AS EVALUATED											
		AS SUBMITTED	0.90%	1.00	L.S.	336,824.19	45,026.64	32,358.66	414,209.49	20.00%	82,841.90	24,852.57	521,903.96
A.1.1(11)	Provision of Provision of Furnitures/Fixtures, Equipment and Appliances for the Field Office for the Field Engineer	AS EVALUATED											
		AS SUBMITTED	0.61%	1.00	L.S.	278,840.00	-	-	278,840.00	8.00%	22,307.20	15,057.36	316,204.56
A.1.2(5)	Operation and Maintenance of 4 x 4 Pick-Up Type Service Vehicle for the Engineer	AS EVALUATED											
		AS SUBMITTED	0.42%	5.00	month	123,475.00	70,330.50	-	193,805.50	0.00%	-	9,690.28	203,495.78
	TOTAL OF PART A	AS EVALUATED											
		AS SUBMITTED	1.93%			739,139.19	115,357.14	32,358.66	886,854.99		105,149.10	49,600.20	1,041,604.29
PART B	Other General Requirements												
B.4(1)	Construction Survey & Staking	AS EVALUATED											
		AS SUBMITTED	0.24%	2.51	km.	27,665.47	67,727.24	13,046.07	108,438.79	20.00%	21,687.76	6,506.33	136,632.88
B.5	Project Billboard/Signboard	AS EVALUATED											
		AS SUBMITTED	0.04%	4.00	each	14,660.00	3,677.96	-	18,337.96	20.00%	3,667.59	1,100.28	23,105.83
B.7	Occupation Safety & Health	AS EVALUATED											
		AS SUBMITTED	0.45%	5.00	month	26,760.00	118,901.25	60,000.00	205,661.25	8.00%	16,452.90	11,105.71	233,219.86
B.9	Mobilization & Demobilization	AS EVALUATED											
		AS SUBMITTED	0.71%	1.00	L.S.	-	-	325,015.00	325,015.00	0.00%	-	16,250.75	341,265.75
	TOTAL OF PART B	AS EVALUATED											
		AS SUBMITTED	1.43%			69,085.47	190,306.45	398,061.07	657,453.00		41,808.25	34,963.06	734,224.31
PART C	Earthworks												
101(6)	Removal of Structure/Obstructions	AS EVALUATED											
		AS SUBMITTED	0.03%	46.86	cu.m.	-	928.62	14,936.86	15,865.48	20.00%	3,173.10	951.93	19,990.50
102(2)	Surplus Common Excavation	AS EVALUATED											
		AS SUBMITTED	5.03%	16,157.15	cu.m.	-	46,118.90	2,262,640.92	2,308,759.83	20.00%	461,751.97	138,525.59	2,909,037.38
103(1)a	Structure Excavation	AS EVALUATED											
		AS SUBMITTED	0.24%	468.00	cu.m.	-	5,064.23	102,928.22	107,992.45	20.00%	21,598.49	6,479.55	136,070.49
103(3)	Foundation Fill	AS EVALUATED											
		AS SUBMITTED	0.07%	14.95	cu.m.	28,012.26	3,128.45	2,076.95	33,217.65	20.00%	6,643.53	1,993.06	41,854.24
103(6)a	Pipe Culverts and Drain Excavation	AS EVALUATED											
		AS SUBMITTED	0.13%	252.67	cu.m.	-	2,734.14	55,570.24	58,304.39	20.00%	11,660.88	3,498.26	73,463.53
104(1)a	Embankment from Roadway Excavation	AS EVALUATED											
		AS SUBMITTED	1.57%	3,127.07	cu.m.	-	19,601.27	702,443.74	722,045.01	20.00%	144,409.00	43,322.70	909,776.71
105(1)a	Subgrade Preparation	AS EVALUATED											
		AS SUBMITTED	0.74%	21,127.76	cu.m.	-	12,061.40	326,177.40	338,238.80	20.00%	67,647.76	20,294.33	426,180.89
	TOTAL OF PART C	AS EVALUATED											
		AS SUBMITTED	7.81%			28,012.26	89,637.01	3,466,774.34	3,584,423.60		716,884.72	215,065.42	4,516,373.74
PART D	Subbase and Base Course												
200(1)	Aggregate Subbase Course	AS EVALUATED											
		AS SUBMITTED	21.64%	8,692.82	cu.m.	9,090,338.31	29,775.30	805,215.92	9,925,329.53	20.00%	1,985,065.91	595,519.77	12,505,915.21
	TOTAL OF PART D	AS EVALUATED											
		AS SUBMITTED	21.64%			9,090,338.31	29,775.30	805,215.92	9,925,329.53		1,985,065.91	595,519.77	12,505,915.21

ITEM NO.	DESCRIPTION	DETAILED BREAKDOWN OF COMPONENT COST FOR EACH ITEM											
		%	QTY	UNIT	DIRECT COST				TOTAL MARK-UP		5% VAT	TOTAL COST	
					MATERIAL	LABOR	EQUIPMENT	TOTAL	%	VALUE			
PART E	Surface Courses												
300(1)	Gravel Surface Course	AS EVALUATED											
		AS SUBMITTED	2.09%	823.82	cu.m.	878,945.95	2,821.81	76,310.45	957,678.21	20.00%	191,535.64	57,460.69	1,206,674.54
311(1)a	Portland Cement Concrete Pavement	AS EVALUATED											
		AS SUBMITTED	5.75%	2,755.35	sq.m.	2,308,015.55	22,007.41	309,074.33	2,639,097.29	20.00%	527,819.46	158,345.84	3,325,262.59
311(1)c1	Portland Cement Concrete Pavement	AS EVALUATED											
		AS SUBMITTED	49.40%	15,698.00	sq.m.	19,768,381.44	192,246.96	2,699,936.71	22,660,565.10	20.00%	4,532,113.02	1,359,633.91	28,552,312.03
	TOTAL OF PART E	AS EVALUATED											
		AS SUBMITTED	57.24%			22,954,942.94	217,076.17	3,085,321.49	26,257,340.60		5,251,468.12	1,575,440.44	33,084,249.16
PART G	Drainage and Slope Protection Structures												
404(1)a	Reinforcing Steel, Grade 40	AS EVALUATED											
		AS SUBMITTED	0.98%	9,466.08	kg.	397,575.36	29,419.45	24,581.57	451,576.39	20.00%	90,315.28	27,094.58	568,986.25
405(1)a3	Structural Concrete, Class "A"	AS EVALUATED											
		AS SUBMITTED	3.93%	234.00	cu.m.	1,466,008.83	212,659.41	126,371.04	1,805,039.28	20.00%	361,007.86	108,302.36	2,274,349.49
500(1)b3	Pipe Culverts	AS EVALUATED											
		AS SUBMITTED	0.51%	78.00	ln.m.	179,498.54	16,841.17	39,233.32	235,573.03	20.00%	47,114.61	14,134.38	296,822.02
505(2)a	Grouted Riprap, Class "A"	AS EVALUATED											
		AS SUBMITTED	0.23%	28.29	cu.m.	82,854.81	12,660.77	7,931.20	103,446.77	20.00%	20,689.35	6,206.81	130,342.94
506(1)	Stone Masonry	AS EVALUATED											
		AS SUBMITTED	0.58%	60.41	cu.m.	228,704.16	21,121.55	16,712.50	266,538.21	20.00%	53,307.64	15,992.29	335,838.15
	TOTAL OF PART G	AS EVALUATED											
		AS SUBMITTED	6.24%			2,354,641.70	292,702.36	214,829.63	2,862,173.68		572,434.74	171,730.42	3,606,338.84
PART H	Miscellaneous Structure												
603(3a1)	Metal Guardrail (Including Post)	AS EVALUATED											
		AS SUBMITTED	1.74%	320.00	ln.m	727,457.22	28,860.48	43,890.64	800,208.34	20.00%	160,041.67	48,012.50	1,008,262.51
603(4a)	Metal Beam End Piece	AS EVALUATED											
		AS SUBMITTED	0.01%	4.00	each	5,400.00	153.25	209.66	5,762.91	20.00%	1,152.58	345.77	7,261.27
612(1)	Reflectorized Thermoplastic Pavement Markings (White)	AS EVALUATED											
		AS SUBMITTED	0.94%	584.22	sq.m.	395,528.65	10,962.45	25,966.49	432,457.59	20.00%	86,491.52	25,947.46	544,896.57
612(2)	Reflectorized Thermoplastic Pavement Markings (Yellow)	AS EVALUATED											
		AS SUBMITTED	0.45%	255.74	sq.m.	192,387.78	4,798.77	11,366.73	208,553.28	20.00%	41,710.66	12,513.20	262,777.13
622(1)a	Coco-net	AS EVALUATED											
		AS SUBMITTED	0.18%	609.00	sq.m.	70,339.50	5,386.01	7,998.85	83,724.36	20.00%	16,744.87	5,023.46	105,492.70
622(2)b	Coco-logs/Fascine	AS EVALUATED											
		AS SUBMITTED	0.08%	80.00	ln.m.	34,440.00	2,358.41	235.84	37,034.25	20.00%	7,406.85	2,222.05	46,663.15
622(3)a	Vegetation	AS EVALUATED											
		AS SUBMITTED	0.29%	608.90	sq.m.	108,688.65	1,568.52	23,868.88	134,226.05	20.00%	26,845.21	8,053.56	169,124.82
	TOTAL OF PART H	AS EVALUATED											
		AS SUBMITTED	3.71%			1,534,241.81	54,187.88	113,537.10	1,701,966.78		340,393.36	102,118.01	2,144,478.15
	GRAND TOTAL	AS EVALUATED											
		AS SUBMITTED	100.00%			36,770,401.67	989,042.31	8,116,098.20	45,875,542.19		9,013,204.19	2,744,437.32	57,633,183.70



DPV REGIONAL OFFICE IX

Construction/Improvement of Access Roads Leading to Declared Tourism Destinations-NRJ Ayala - La Paz Leading to La Paz Resort , Zamboanga City
Zamboanga City

SUMMARY OF APPROVED BUDGET FOR THE CONTRACT

FORM POW-2015-02-00

DESCRIPTION OF WORKS TO BE DONE		ESTIMATED DIRECT COST	TOTAL MARK-UP		VAT	TOTAL INDIRECT COST	TOTAL COST
			%	TOTAL DIRECT COST			
PART A	Facilities for the Engineers	AS EVALUATED					
		AS SUBMITTED	886,854.99		105,149.10	49,600.20	154,749.30
PART B	Other General Requirements	AS EVALUATED					
		AS SUBMITTED	657,453.00		41,808.25	34,963.06	76,771.31
PART C	Earthworks	AS EVALUATED					
		AS SUBMITTED	3,584,423.60		716,884.72	215,065.42	931,950.14
PART D	Subbase and Base Courses	AS EVALUATED					
		AS SUBMITTED	9,925,329.53		1,985,065.91	595,519.77	2,580,585.68
PART E	Surface Courses	AS EVALUATED					
		AS SUBMITTED	26,257,340.60		5,251,468.12	1,575,440.44	6,826,908.56
PART G	Drainage and Slope Protection Structures	AS EVALUATED					
		AS SUBMITTED	2,862,173.68		572,434.74	171,730.42	744,165.16
PART H	Miscellaneous Structure	AS EVALUATED					
		AS SUBMITTED	1,701,966.78		340,393.36	102,118.01	442,511.36
TOTAL		AS EVALUATED					
		AS SUBMITTED	45,875,542.19		9,013,204.19	2,744,437.32	11,757,641.51

Preparation and Submission:

Prepared by:

MARK ANTHON P. REBOLLOS

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

KHADAFFLY D. TANGGOL

Assistant Regional Director

Approved:

CAYAMOMBAO D. DIA

Regional Director



REGIONAL OFFICE IX

Construction/Improvement of Access Roads Leading to Declared Tourism Destinations-NRJ Ayala - La Paz Leading to La Paz Resort , Zamboanga City
Zamboanga City

FORM POW-2015-02A-00

ITEM NO.	DESCRIPTION	QTY	UNIT	ESTIMATED DIRECT COST	TOTAL MARK-UP		VAT	TOTAL INDIRECT COST	TOTAL COST	UNIT COST	
					%	VALUE					
PART A	Facilities for the Engineers										
A.1.1(3)	Construction of Field Office for the Engineer	AS EVALUATED									
		AS SUBMITTED	1.00	L.S.	414,209.49	20.00%	82,841.90	24,852.57	107,694.47	521,903.96	521,903.96
A.1.1(11)	Provision of Provision of Furnitures/Fixtures, Equipment and Appliances for the Field Office for the Field Engineer	AS EVALUATED									
		AS SUBMITTED	1.00	L.S.	278,840.00	8.00%	22,307.20	15,057.36	37,364.56	316,204.56	316,204.56
A.1.2(5)	Operation and Maintenance of 4 x 4 Pick-Up Type Service Vehicle for the Engineer	AS EVALUATED									
		AS SUBMITTED	5.00	month	193,805.50	0.00%	-	9,690.28	9,690.28	203,495.78	40,699.16
	TOTAL OF PART A	AS EVALUATED									
		AS SUBMITTED			886,854.99		105,149.10	49,600.20	154,749.30	1,041,604.29	
PART B	Other General Requirements										
B.4(1)	Construction Survey & Staking	AS EVALUATED									
		AS SUBMITTED	2.51	km.	108,438.79	20.00%	21,687.76	6,506.33	28,194.09	136,632.88	54,449.73
B.5	Project Billboard/Signboard	AS EVALUATED									
		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
B.7	Occupation Safety & Health	AS EVALUATED									
		AS SUBMITTED	5.00	month	205,661.25	8.00%	16,452.90	11,105.71	27,558.61	233,219.86	46,643.97
B.9	Mobilization & Demobilization	AS EVALUATED									
		AS SUBMITTED	1.00	L.S.	325,015.00	0.00%	-	16,250.75	16,250.75	341,265.75	341,265.75
	TOTAL OF PART B	AS EVALUATED			-						
		AS SUBMITTED			657,453.00		41,808.25	34,963.06	76,771.31	734,224.31	
PART C	Earthworks										
101(6)	Removal of Structure/Obstructions	AS EVALUATED									
		AS SUBMITTED	46.86	cu.m.	15,865.48	20.00%	3,173.10	951.93	4,125.02	19,990.50	426.60
102(2)	Surplus Common Excavation	AS EVALUATED									
		AS SUBMITTED	16,157.15	cu.m.	2,308,759.83	20.00%	461,751.97	138,525.59	600,277.55	2,909,037.38	180.05
103(1)a	Structure Excavation	AS EVALUATED									
		AS SUBMITTED	468.00	cu.m.	107,992.45	20.00%	21,598.49	6,479.55	28,078.04	136,070.49	290.75
103(3)	Foundation Fill	AS EVALUATED									
		AS SUBMITTED	14.95	cu.m.	33,217.65	20.00%	6,643.53	1,993.06	8,636.59	41,854.24	2,799.61
103(6)a	Pipe Culverts and Drain Excavation	AS EVALUATED									
		AS SUBMITTED	252.67	cu.m.	58,304.39	20.00%	11,660.88	3,498.26	15,159.14	73,463.53	290.75
104(1)a	Embankment from Roadway Excavation	AS EVALUATED									
		AS SUBMITTED	3,127.07	cu.m.	722,045.01	20.00%	144,409.00	43,322.70	187,731.70	909,776.71	290.94
105(1)a	Subgrade Preparation	AS EVALUATED									
		AS SUBMITTED	21,127.76	cu.m.	338,238.80	20.00%	67,647.76	20,294.33	87,942.09	426,180.89	20.17
	TOTAL OF PART C	AS EVALUATED									
		AS SUBMITTED	-	-	3,584,423.60		716,884.72	215,065.42	931,950.14	4,516,373.74	
PART D	Subbase and Base Course										
200(1)	Aggregate Subbase Course	AS EVALUATED									
		AS SUBMITTED	8,692.82	cu.m.	9,925,329.53	20.00%	1,985,065.91	595,519.77	2,580,585.68	12,505,915.21	1,438.65
	TOTAL OF PART D	AS EVALUATED									
		AS SUBMITTED	-	-	9,925,329.53		1,985,065.91	595,519.77	2,580,585.68	12,505,915.21	

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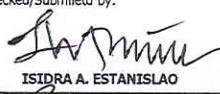
ITEM NO.	DESCRIPTION	QTY	UNIT	ESTIMATED DIRECT COST	TOTAL MARK-UP		VAT	TOTAL INDIRECT COST	TOTAL COST	UNIT COST
					%	VALUE				
PART E Surface Courses										
300(1)	Gravel Surface Course	AS EVALUATED								
		AS SUBMITTED	823.82	cu.m.	957,678.21	20.00%	191,535.64	57,460.69	248,996.33	1,206,674.54
311(1)a	Portland Cement Concrete Pavement	AS EVALUATED								
		AS SUBMITTED	2,755.35	sq.m.	2,639,097.29	20.00%	527,819.46	158,345.84	686,165.30	3,325,262.59
311(1)c1	Portland Cement Concrete Pavement	AS EVALUATED								
		AS SUBMITTED	15,698.00	sq.m.	22,660,565.10	20.00%	4,532,113.02	1,359,633.91	5,891,746.93	28,552,312.03
TOTAL OF PART E		AS EVALUATED								
		AS SUBMITTED			26,257,340.60		5,251,468.12	1,575,440.44	6,826,908.56	33,084,249.16
PART G Drainage and Slope Protection Structures										
404(1)a	Reinforcing Steel, Grade 40	AS EVALUATED								
		AS SUBMITTED	9,466.08	kg.	451,576.39	20.00%	90,315.28	27,094.58	117,409.86	568,986.25
405(1)a3	Structural Concrete, Class "A"	AS EVALUATED								
		AS SUBMITTED	234.00	cu.m.	1,805,039.28	20.00%	361,007.86	108,302.36	469,310.21	2,274,349.49
500(1)b3	Pipe Culverts	AS EVALUATED								
		AS SUBMITTED	78.00	ln.m.	235,573.03	20.00%	47,114.61	14,134.38	61,248.99	296,822.02
505(2)a	Grouted Riprap, Class "A"	AS EVALUATED								
		AS SUBMITTED	28.29	cu.m.	103,446.77	20.00%	20,689.35	6,206.81	26,896.16	130,342.94
506(1)	Stone Masonry	AS EVALUATED								
		AS SUBMITTED	60.41	cu.m.	266,538.21	20.00%	53,307.64	15,992.29	69,299.94	335,838.15
TOTAL OF PART G		AS EVALUATED								
		AS SUBMITTED			2,862,173.68		572,434.74	171,730.42	744,165.16	3,606,338.84
PART H Miscellaneous Structure										
603(3a1)	Metal Guardrail (Including Post)	AS EVALUATED								
		AS SUBMITTED	320.00	ln.m	800,208.34	20.00%	160,041.67	48,012.50	208,054.17	1,008,262.51
603(4a)	Metal Beam End Piece	AS EVALUATED								
		AS SUBMITTED	4.00	each	5,762.91	20.00%	1,152.58	345.77	1,498.36	7,261.27
612(1)	Reflectorized Thermoplastic Pavement Markings (White)	AS EVALUATED								
		AS SUBMITTED	584.22	sq.m.	432,457.59	20.00%	86,491.52	25,947.46	112,438.97	544,896.57
612(2)	Reflectorized Thermoplastic Pavement Markings (Yellow)	AS EVALUATED								
		AS SUBMITTED	255.74	sq.m.	208,553.28	20.00%	41,710.66	12,513.20	54,223.85	262,777.13
622(1)a	Coco-net	AS EVALUATED								
		AS SUBMITTED	609.00	sq.m.	83,724.36	20.00%	16,744.87	5,023.46	21,768.33	105,492.70
622(2)b	Coco-logs/Fascine	AS EVALUATED								
		AS SUBMITTED	80.00	sq.m.	37,034.25	20.00%	7,406.85	2,222.05	9,628.90	46,663.15
622(3)a	Vegetation	AS EVALUATED								
		AS SUBMITTED	608.90	sq.m.	134,226.05	20.00%	26,845.21	8,053.56	34,898.77	169,124.82
TOTAL OF PART H		AS EVALUATED								
		AS SUBMITTED			1,701,966.78		340,393.36	102,118.01	442,511.36	2,144,478.15
GRAND TOTAL		AS EVALUATED								
		AS SUBMITTED			45,875,542.19		9,013,204.19	2,659,874.05	11,757,641.51	57,633,183.70

Preparation and Submission:

Prepared by:


MARK ANTHON P. REBOLLOS
 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

Item No./Description : A.1.1(3)
 Unit of Measurement : Construction of Field Office for the Engineer
 Output per hour-As Submitted : 1.00 L.S.
 Output per hour-As Evaluated :

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
Labor				
a. Construction Foreman	1	64	80.95	5,180.88
b. Masons	3	64	58.61	11,252.88
c. Carpenters	3	64	58.61	11,252.88
d. Laborers	6	64	45.16	17,340.00
Sub-Total for A-1 As Submitted				
Labor				
Sub-Total for A-2 As Evaluated				
A.2				
Sub-Total for A-2 As Evaluated				
Name and Capacity				
Equipment				
a. One Bagger Mixer	1	48	172.00	8,256.00
b. Water Truck	1	8	2,450.00	19,600.00
Minor Tools 10% of Labor Cost				4,502.66
Sub-Total for B-1 As Submitted				
Equipment				
Sub-Total for B-2 As Evaluated				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				
Total (A.2+B.2) - As Evaluated				
C.2				
Output per Hour - As Submitted				
D.1				
Output per Hour - As Evaluated				
D.2				
Direct Unit Cost (C.1 +D.1) - As Submitted				
Direct Unit Cost (C.2 +D.2) - As Evaluated				
E.1				
Direct Unit Cost (C.1 +D.1) - As Submitted				
Direct Unit Cost (C.2 +D.2) - As Evaluated				
E.2				
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
Materials				
I Earthworks (Excavation, Embankment & Bedding)				
a. Gravel Bedding	cu.m.	3.50	1,429.33	5,002.66
b. Selected Fill	cu.m.	10.00	388.35	3,883.50
c. Soil Poisoning	L	2.50	1,900.00	4,750.00
II Concrete Works (Footings, Columns, Beams, & Slab on Grade)				
a. Portland Cement	bag	90.00	304.00	27,360.00
b. Crushed Gravel	cu.m.	21.00	1,429.33	30,015.93
c. Washed Sand	cu.m.	18.00	1,629.33	29,327.94
III Reinforcing Bars (Footings, Columns, Beams, & Slab on Grade)				
a. Deformed Round Bar, Grade 40	kg.	435.00	38.00	16,530.00
b. No. 16 G.I. Tie Wire	kg.	20.00	80.00	1,600.00
IV Formworks (Columns & Beams)				
a. Coco Lumber	bd.ft.	400.00	13.00	5,200.00
b. Ordinary Plywood, 1/4" x 4' x 8'	pc.	18.00	610.00	10,980.00
c. CMN Assorted	kg.	5.00	65.00	325.00
V Masonry Works (Masonry Wall & Plastering)				
a. CHB 6" thk.	pc.	650.00	16.00	10,400.00
b. Portland Cement	bag	45.00	304.00	13,680.00
c. Washed Sand	cu.m.	8.00	1,629.33	13,034.64
d. 10 mm. x 6 m. RSB	kg.	65.00	38.00	2,470.00
e. No. 16 G.I. Tie Wire	kg.	2.50	100.00	250.00
VI Doors and Windows				
a. D-1, Hollow Core Flush Type Swing Door, Complete with Accessories, 0.90 m. x 2.10 m.	set	2.00	1,765.26	3,530.52
b. W-1, Jalousie Window, 1.40 m. x 1.20 m.	set	2.00	924.00	1,848.00
c. W-2, Jalousie Window, 2.80 m. x 1.20 m.	set	2.00	1,848.00	3,696.00

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VII Steel Works							
a.	65 mm. x 65 mm. x 6 mm. Angle Bar	kg.	350.00	48.00		16,800.00	
b.	50 mm. x 50 mm. x 6 mm. Angle Bar	kg.	250.00	48.00		12,000.00	
c.	50 mm. x 50 mm. x 4 mm. Angle Bar	kg.	100.00	48.00		4,800.00	
d.	Purlins C-150 x 50 x 3mm.	kg.	18.00	48.00		864.00	
e.	16mm dia. Cross bracing	kg.	35.00	38.00		1,330.00	
f.	16mm dia. Turn buckle	pc.	20.00	118.00		2,360.00	
g.	12mm thk base plate	kg.	25.00	47.00		1,175.00	
h.	10mm thk batten plate	kg.	15.00	47.00		705.00	
i.	10mm dia. Sag rod	kg.	10.00	38.00		380.00	
j.	20mm dia. X 350 mm anchor bolts	pc.	10.00	36.00		360.00	
k.	Welding Rod	kg.	15.00	163.00		2,445.00	
l.	Primer, Zinc Chromate	gal.	5.00	531.00		2,655.00	
VIII Roofing Works							
a.	Pre-painted GI Roofing Sheet long span	sq.m.	55.00	420.00		23,100.00	
b.	Pre-painted ridge roll ga 24, 0.60m width	ln.m.	10.00	189.00		1,890.00	
c.	Pre-painted flashing, ga. 24	ln.m.	2.00	189.00		378.00	
d.	TeckscREW 11/2"	pc.	1000.00	2.00		2,000.00	
e.	Roof Sealant	L	2.00	250.00		500.00	
IX Carpentry Works							
a.	Rough Lumber, sun dried tangle	bd.ft.	500.00	37.00		18,500.00	
b.	Plywood, ordinary 1/4" x 4 x 8'	pc.	30.00	450.00		13,500.00	
c.	Finishing Nails	kg.	5.00	110.00		550.00	
d.	Common Wire Nails	kg.	10.00	65.00		650.00	
e.	Wood Preservative Brown	L	5.00	400.00		2,000.00	
X Electrical Works							
a.	2 x 40w Fluorescent lighting fixtures	set	5.00	1,030.00		5,150.00	
b.	Porcelain Ceiling Outlet w/ female socket	pc	2.00	50.00		100.00	
c.	Duplex Convenience outlet	pc	3.00	170.00		510.00	
d.	two gang switch	pc	3.00	170.00		510.00	
e.	3.5mm2 6tw	roll	3.00	3,600.00		10,800.00	
f.	8.00mm2 6tw	m	25.00	70.00		1,750.00	
g.	15mm dia. PVC pipe	pc	20.00	73.00		1,460.00	
h.	15mm dia. PVC Coupling	pc	25.00	5.00		125.00	
i.	15mm dia. PVC Elbow	pc	25.00	26.00		650.00	
j.	15mm dia. PVC Clamp	pc	55.00	8.00		440.00	
k.	20mm dia. RSC pipe	pc	4.00	240.00		960.00	
l.	20mm dia. RSC Coupling	pc	3.00	9.00		27.00	
m.	20mm dia. RSC elbow	pc	3.00	30.00		90.00	
n.	20mm dia. RSC Clamp	pc	10.00	18.00		180.00	
o.	20mm dia. Service entrance cap	pc	2.00	100.00		200.00	
p.	wire holder	pc	2.00	50.00		100.00	
q.	utility box	pc	7.00	32.00		224.00	
r.	octagonal box	pc	8.00	34.00		272.00	
s.	electrical tape (big)	pc	7.00	31.00		217.00	
t.	panel board (side main w/ braches)	set	2.00	1,627.00		3,254.00	
XI Plumbing Works							
a.	Water Closet (include: Fitting & Accessories)	set	1.00	7,375.00		7,375.00	
b.	Lavatory (include fitting & Accessories)	set	1.00	6,615.00		6,615.00	
c.	1/2" GI Pipe S-40	pc	2.00	166.00		332.00	
d.	1/2" Water Faucet	pc	2.00	321.00		642.00	
e.	1/2" Assorted Connector	pc	8.00	20.00		160.00	
f.	4" PVC series 1000	pc	1.00	640.00		640.00	
g.	2" PVC series 1000	pc	1.00	305.00		305.00	
h.	4" PVC assorted Connector	pc	6.00	77.00		462.00	
i.	2" PVC assorted Connector	pc	8.00	56.00		448.00	
Sub-Total for F-1 As Submitted						336,824.19	
Equipment							
F-2							
Sub-Total for F-2 As Evaluated							
G.1	Direct Unit Cost (E.1+E.1) - As Submitted					414,209.49	
G.2	Direct Unit Cost (E.2+E.2) - As Evaluated						
H.1	Overhead, Contingencies & Miscellaneous (OCM) - As Submitted					49,705.14	
H.2	Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated						
I.1	Contractor's Profit - As Submitted					33,136.76	
I.2	Contractor's Profit - As Evaluated						
J.1	Value Added Tax - As Submitted					24,852.57	
J.2	Value Added Tax - As Evaluated						
K.1	Total Unit Cost - As Submitted					521,903.96	
K.2	Total Unit Cost - As Evaluated						

Prepared by:


MARK ANTHONY P. REBOLLOS
 Engineer - II

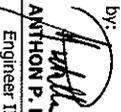
Checked/Reviewed


ISIDRA A. ESTANISLAO
 Engineer - IV

Item No./Description : A.1.1(11)
 Provision of Provision of Furnitures/Fixtures, Equipment and Appliances for the Field Office for the Field
 Unit of Measurement : 1.00 L.S.
 Output per hour-As Submitted :
 Output per hour-As Evaluated :

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
A.1 Labor				
Sub-Total for A-1 As Submitted				-
Labor				
A.2				
Sub-Total for A-2 As Evaluated				
B.1 Equipment	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
Sub-Total for B-1 As Submitted				-
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1 Total (A.1+B.1) - As Submitted				-
C.2 Total (A.2+B.2) - As Evaluated				-
D.1 Output per Hour - As Submitted				-
D.2 Output per Hour - As Evaluated				-
E.1 Direct Unit Cost (C.1 + D.1) - As Submitted				-
E.2 Direct Unit Cost (C.2 + D.2) - As Evaluated				-
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
Materials				
Office Equipment/Facilities & Supplies				
a. Electric Desk Fan	unit	2.00	1,370.00	2,740.00
b. Folding Beds, Good Quality	each	2.00	2,700.00	5,400.00
c. pillows w/ pillow cases, fitted sheets and blanket	each	2.00	5,000.00	10,000.00
d. Double burner gas stove (Gasul)	unit	1.00	3,700.00	3,700.00
e. 10 cups Rice Cooker	unit	1.00	2,500.00	2,500.00
f. Various Office Supply (Folders, Bond Paper, Yellow Pads, Ball Pens, Pencil, Envelopes, etc.)	L.S.	1.00	45,000.00	45,000.00
F.1				
g. Kitchenware (Plates, Spoons & Forks, Glasses, etc.)	L.S.	1.00	30,000.00	30,000.00
h. Dining Table	set	1.00	8,000.00	8,000.00
i. Digital Camera	set	2.00	12,000.00	24,000.00
j. Cellphone	set	4.00	15,000.00	60,000.00
k. Desktop Computer	set	1.00	60,000.00	60,000.00
Lighting/Water Fixtures				
a. Electrical Bill	mo.	5.00	3,000.00	15,000.00
b. Water Bill	mo.	5.00	1,500.00	7,500.00
c. LPG (11 kg)	mo.	5.00	1,000.00	5,000.00
Sub-Total for F-1 As Submitted				279,940.00
Equipment				
F.2				
Sub-Total for F-2 As Evaluated				
G.1 Direct Unit Cost (E.1+F.1) - As Submitted				279,940.00
G.2 Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1 Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				-
H.2 Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1 Contractor's Profit - As Submitted				22,307.20
I.2 Contractor's Profit - As Evaluated				-
J.1 Value Added Tax - As Submitted				15,057.36
J.2 Value Added Tax - As Evaluated				-
K.1 Total Unit Cost - As Submitted				316,204.56
K.2 Total Unit Cost - As Evaluated				-

Prepared by:


 MARK ANTHON P. REBOLLOS
 Engineer II

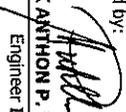
Checked/Reviewed


 ISIDRA A. ESTANISLAO
 Engineer IV

Item No./Description : A.1.2(5)
 Operation and Maintenance of 4 x 4 Pick-Up Type Service Vehicle for the Engineer
 Unit of Measurement : 5.00 month
 Output per hour-As Submitted :
 Output per hour-As Evaluated :

	Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
A.1	Labor				
	a. Driver	1	1,200.00	58.61	70,330.50
	Sub-Total for A-1 As Submitted				70,330.50
	Labor				
A.2	Sub-Total for A-2 As Evaluated				
	Name and Capacity	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
B.1	Equipment				
	Sub-Total for B-1 As Submitted				
	Equipment				
B.2	Sub-Total for B-2 As Evaluated				
	Total (A.1+B.1) - As Submitted				70,330.50
C.1	Total (A.2+B.2) - As Evaluated				-
C.2	Total (A.2+B.2) - As Evaluated				-
D.1	Output per Hour - As Submitted				
D.2	Output per Hour - As Evaluated				
E.1	Direct Unit Cost (C.1 + D.1) - As Submitted				
E.2	Direct Unit Cost (C.2 + D.2) - As Evaluated				
	Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
	Materials				
F.1	a. Diesel	L	1,500.00	31.00	46,500.00
	b. Spare Parts	L.S.	1.00	40,000.00	40,000.00
	c. Engine Oil & Lubricants	L.S.	1.00	6,975.00	6,975.00
	d. Miscellaneous	L.S.	1.00	30,000.00	30,000.00
	Sub-Total for F-1 As Submitted				123,475.00
	Equipment				
F.2	Sub-Total for F-2 As Evaluated				
G.1	Direct Unit Cost (E.1+F.1) - As Submitted				123,475.00
G.2	Direct Unit Cost (E.2+F.2) - As Evaluated				
H.1	Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				-
H.2	Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1	Contractor's Profit - As Submitted				-
I.2	Contractor's Profit - As Evaluated				-
J.1	Value Added Tax - As Submitted				6,173.75
J.2	Value Added Tax - As Evaluated				-
K.1	Total Unit Cost - As Submitted				129,648.75
K.2	Total Unit Cost - As Evaluated				-

Prepared by:


MARK ANTHON P. REBOLLOS
 Engineer II

Checked/Reviewed


ISIDRA A. ESTANISLAO
 Engineer IV

Item No./Description : B.5
Project Billboard/Signboard
Unit of Measurement : 4,00 each
Output per hour-As Submitted :
Output per hour-As Evaluated :

	Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)	
A.1	Labor					
	a. Foreman	1	16	80.95	1,295.22	
	b. Skilled Laborer	1	16	58.61	937.74	
	c. Unskilled Laborer	2	16	45.16	1,445.00	
	Sub-Total for A-1 As Submitted Labor				3,677.96	
A.2	Sub-Total for A-2 As Evaluated					
B.1	Equipment	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)	
	Sub-Total for B-1 As Submitted Equipment				-	
B.2	Sub-Total for B-2 As Evaluated					
C.1	Total (A.1+B.1) - As Submitted				3,677.96	
C.2	Total (A.2+B.2) - As Evaluated				-	
D.1	Output per Hour - As Submitted				-	
D.2	Output per Hour - As Evaluated				-	
E.1	Direct Unit Cost (C.1 ÷ D.1) - As Submitted				-	
E.2	Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				-	
F.1	Materials	Unit	Quantity	Unit Cost	Amount (Php.)	
		a. Ordinary Plywood 1/2" thk. x 4' x 8'	pc.	4.00	750.00	3,000.00
		b. Tarpaulin (4' x 8')	pc.	4.00	1,000.00	4,000.00
		c. Assorted Lumber	bd.ft.	200.00	37.00	7,400.00
		d. Assorted CW Nails	Kg.	4.00	65.00	260.00
	Sub-Total for F-1 As Submitted Equipment				14,660.00	
F.2	Sub-Total for F-2 As Evaluated					
G.1	Direct Unit Cost (E.1+F.1) - As Submitted				14,660.00	
G.2	Direct Unit Cost (E.2+F.2) - As Evaluated				-	
H.1	Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				1,759.20	
H.2	Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				1,172.80	
I.1	Contractor's Profit - As Submitted				-	
I.2	Contractor's Profit - As Evaluated				879.60	
J.1	Value Added Tax - As Submitted				-	
J.2	Value Added Tax - As Evaluated				-	
K.1	Total Unit Cost - As Submitted				18,471.60	
K.2	Total Unit Cost - As Evaluated				-	

Prepared by:

Checked/Reviewed


MARK ANTHONY P. REBOLLOS
Engineer II


ISIDRA A. ESTANISLAO
Engineer IV

Item No./Description : B.7
Occupation Safety & Health
Unit of Measurement : 5.00 month
Output per hour-As Submitted :
Output per hour-As Evaluated :

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
A.1 Labor				
a. Safety Practitioner	1	600.00	80.95	48,570.75
b. First Aider	1	1200.00	58.61	70,330.50
Sub-Total for A-1 As Submitted				118,901.25
Labor				
Sub-Total for A-2 As Evaluated				
A.2				
Sub-Total for A-2 As Evaluated				
Name and Capacity	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
B.1				
Equipment				
a. Warning Signs and Barricades				60,000.00
Sub-Total for B-1 As Submitted				60,000.00
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1 Total (A.1+B.1) - As Submitted				178,901.25
C.2 Total (A.2+B.2) - As Evaluated				-
D.1 Output per Hour - As Submitted				-
D.2 Output per Hour - As Evaluated				-
E.1 Direct Unit Cost (C.1 ÷ D.1) - As Submitted				178,901.25
E.2 Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
F.1				
Materials				
a. Rubber Boots (Long w/ Steel Toe, Black)	pair	24.00	400.00	9,600.00
b. Working Gloves (Wearing Materials)	pair	24.00	15.00	360.00
c. Rain Coats (Reinforced, Hip Length)	pc	24.00	100.00	2,400.00
d. Safety Hats	pc	24.00	600.00	14,400.00
Sub-Total for F-1 As Submitted				26,760.00
Equipment				
F.2				
Sub-Total for F-2 As Evaluated				
G.1 Direct Unit Cost (E.1+F.1) - As Submitted				205,661.25
G.2 Direct Unit Cost (E.2+F.2) - As Evaluated				
H.1 Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				
H.2 Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				
I.1 Contractor's Profit - As Submitted				16,452.90
I.2 Contractor's Profit - As Evaluated				
J.1 Value Added Tax - As Submitted				11,105.71
J.2 Value Added Tax - As Evaluated				
K.1 Total Unit Cost - As Submitted				233,219.86
K.2 Total Unit Cost - As Evaluated				

Prepared by:

Checked/Reviewed


MARK ANTHON P. REBOLLOS
Engineer II


ISIDRA A. ESTANISLAO
Engineer IV

Item No./Description : B.9
 Mobilization & Demobilization
 Unit of Measurement : 1.00 L.S.
 Output per hour-As Submitted :
 Output per hour-As Evaluated :

	Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
A.1	Labor				
	Sub-Total for A-1 As Submitted				-
A.2	Labor				
	Sub-Total for A-2 As Evaluated				
	Name and Capacity	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
	Equipment				
B.1	a. Low Bed Trailer	1	40	4,255.38	170,215.00
	b. Water Truck	1	40	2,450.00	98,000.00
	c. Dump Truck	4	40	1,420.00	56,800.00
	Sub-Total for B-1 As Submitted				325,015.00
	Equipment				
B.2					
	Sub-Total for B-2 As Evaluated				
C.1	Total (A.1+B.1) - As Submitted				325,015.00
C.2	Total (A.2+B.2) - As Evaluated				-
D.1	Output per Hour - As Submitted				-
D.2	Output per Hour - As Evaluated				
E.1	Direct Unit Cost (C.1 ÷ D.1) - As Submitted				325,015.00
E.2	Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				
	Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
F.1	Materials				
	Sub-Total for F-1 As Submitted				-
	Materials				
F.2					
	Sub-Total for F-2 As Evaluated				
G.1	Direct Unit Cost (E.1+F.1) - As Submitted				325,015.00
G.2	Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1	Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				39,001.80
H.2	Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1	Contractor's Profit - As Submitted				26,001.20
I.2	Contractor's Profit - As Evaluated				-
J.1	Value Added Tax - As Submitted				19,500.90
J.2	Value Added Tax - As Evaluated				-
K.1	Total Unit Cost - As Submitted				409,518.90
K.2	Total Unit Cost - As Evaluated				-

Prepared by:

Checked/Reviewed


 MARK ANTHONY P. REBOLLOS
 Engineer II


 ISIDRA A. ESTANISLAO
 Engineer IV

Item No./Description : 101(6)
 Removal of Structure/Obstructions
 Unit of Measurement : 46.86 cu.m,
 Output per hour-As Submitted : 10.00
 Output per hour-As Evaluated :

	Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
A.1	Labor				
	a. Foreman	1	1	80.95	80.95
	b. Skilled Laborer	2	1	58.61	117.22
	Sub-Total for A-1 As Submitted				198.17
	Labor				
A.2					
	Sub-Total for A-2 As Evaluated				
	Name and Capacity	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
B.1	Equipment				
	a. Backhoe w/ Pavement Breaker	1	0.5	1,998.10	999.05
	b. Backhoe	1	0.5	1,537.00	768.50
	c. Dump Truck (12 cu.yd.)	1	1	1,420.00	1,420.00
	Sub-Total for B-1 As Submitted				3,187.55
	Equipment				
B.2					
	Sub-Total for B-2 As Evaluated				
C.1	Total (A.1+B.1) - As Submitted				3,385.72
C.2	Total (A.2+B.2) - As Evaluated				-
D.1	Output per Hour - As Submitted				10.00
D.2	Output per Hour - As Evaluated				
E.1	Direct Unit Cost (C.1 + D.1) - As Submitted				338.57
E.2	Direct Unit Cost (C.2 + D.2) - As Evaluated				
	Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
F.1	Materials				
	Sub-Total for F-1 As Submitted				
	Materials				
F.2					
	Sub-Total for F-2 As Evaluated				
G.1	Direct Unit Cost (E.1+F.1) - As Submitted				338.57
G.2	Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1	Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				40.63
H.2	Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1	Contractor's Profit - As Submitted				27.09
I.2	Contractor's Profit - As Evaluated				
J.1	Value Added Tax - As Submitted				20.31
J.2	Value Added Tax - As Evaluated				-
K.1	Total Unit Cost - As Submitted				426.60
K.2	Total Unit Cost - As Evaluated				-

Prepared by:

Checked/Reviewed


 MARK ANTHON P. REBOLLOS
 Engineer II


 ISIDRA AL ESTANISLAO
 Engineer IV

Item No./Description : 102(2)
 Surplus Common Excavation
 Unit of Measurement : 16,157.15 cu.m.
 Output per hour-As Submitted : 60.00
 Output per hour-As Evaluated :

	Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
A.1	Labor				
	a. Foreman	1	1	80.95	80.95
	b. Unskilled Laborer	2	1	45.16	90.31
	Sub-Total for A-1 As Submitted				171.26
	Labor				
A.2	Sub-Total for A-2 As Evaluated				
	Name and Capacity	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
B.1	Equipment				
	a. Bulldozer, D6H SERIES II PSDS/DD	1	1	3,379.00	3,379.00
	b. Payloader (1.50 cu.m.)	1	1	1,733.00	1,733.00
	c. Payloader (1.50 cu.m.) - disposal site	1	0.25	1,733.00	433.25
	c. Dump Truck (12 cu.yd.)	2	1	1,420.00	2,840.00
	Minor Tools 10% of Labor				17.13
	Sub-Total for B-1 As Submitted				8,402.38
	Equipment				
B.2	Sub-Total for B-2 As Evaluated				
C.1	Total (A.1+B.1) - As Submitted				8,573.64
C.2	Total (A.2+B.2) - As Evaluated				-
D.1	Output per Hour - As Submitted				60.00
D.2	Output per Hour - As Evaluated				
E.1	Direct Unit Cost (C.1 + D.1) - As Submitted				142.89
E.2	Direct Unit Cost (C.2 + D.2) - As Evaluated				
F.1	Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
	Materials				
	Sub-Total for F-1 As Submitted				-
F.2	Materials				
	Sub-Total for F-2 As Evaluated				
G.1	Direct Unit Cost (E.1+F.1) - As Submitted				142.89
G.2	Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1	Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				17.15
H.2	Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1	Contractor's Profit - As Submitted				11.43
I.2	Contractor's Profit - As Evaluated				-
J.1	Value Added Tax - As Submitted				8.57
J.2	Value Added Tax - As Evaluated				-
K.1	Total Unit Cost - As Submitted				180.05
K.2	Total Unit Cost - As Evaluated				-

Prepared by: 
MARK ANTHONY P. REBOLLOS
 Engineer II

Checked/Reviewed 
ISIDRA A. ESTANISLAO
 Engineer IV

Item No./Description : 103(1)a
Structure Excavation
Unit of Measurement : 468.00 cu.m.
Output per hour-As Submitted : 20.00
Output per hour-As Evaluated :

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
A.1				
Labor				
a. Foreman	1	1	80.95	80.95
b. Unskilled Laborer	3	1	45.16	135.47
Sub-Total for A-1 As Submitted				216.42
Labor				
A.2				
Sub-Total for A-2 As Evaluated				
Name and Capacity	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
Equipment				
B.1				
a. Dump Truck (12 cu.yd.)	2	1	1,420.00	2,840.00
b. Backhoe (0.80 cu.m.)	1	1	1,537.00	1,537.00
Minor Tools 10% of Labor				21.64
Sub-Total for B-1 As Submitted				4,398.64
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				4,615.06
C.2				
Total (A.2+B.2) - As Evaluated				-
D.1				
Output per Hour - As Submitted				20.00
D.2				
Output per Hour - As Evaluated				
E.1				
Direct Unit Cost (C.1 + D.1) - As Submitted				230.75
E.2				
Direct Unit Cost (C.2 + D.2) - As Evaluated				
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
F.1				
Materials				
Sub-Total for F-1 As Submitted				-
Equipment				
F.2				
Sub-Total for F-2 As Evaluated				
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				230.75
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				27.69
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1				
Contractor's Profit - As Submitted				18.46
I.2				
Contractor's Profit - As Evaluated				-
J.1				
Value Added Tax - As Submitted				13.85
J.2				
Value Added Tax - As Evaluated				-
K.1				
Total Unit Cost - As Submitted				290.75
K.2				
Total Unit Cost - As Evaluated				-

Prepared by:


MARK ANTHON P. REBOLLOS
Engineer II

Checked/Reviewed


ISIDRA A. ESTANISLAO
Engineer IV

Item No./Description : 103(3)
 Foundation Fill
 Unit of Measurement : 14.95 cu.m.
 Output per hour-As Submitted : 1.25
 Output per hour-As Evaluated :

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
A.1				
Labor				
a. Foreman	1	1	80.95	80.95
b. Unskilled Laborer	4	1	45.16	180.63
Sub-Total for A-1 As Submitted				
Labor				261.58
A.2				
Sub-Total for A-2 As Evaluated				
Name and Capacity				
Equipment				
B.1				
a. Plate Compactor (5 hp)	1	1	123.00	123.00
b. Water Truck/Pump (16000 L)	1	0.01	2,450.00	24.50
Minor Tools 10% of Labor				26.16
Sub-Total for B-1 As Submitted				
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				
C.1 Total (A.1+B.1) - As Submitted				
C.2 Total (A.2+B.2) - As Evaluated				
D.1 Output per Hour - As Submitted				
D.2 Output per Hour - As Evaluated				
E.1				
Direct Unit Cost (C.1 + D.1) - As Submitted				
E.2				
Direct Unit Cost (C.2 + D.2) - As Evaluated				
F.1				
Name and Specification				
Materials				
a. Filling Materials (Well Graded Sand)	cu.m.	1.15	1,629.33	1,873.73
Sub-Total for F-1 As Submitted				
Materials				
F.2				
Sub-Total for F-2 As Evaluated				
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				
G.2 Direct Unit Cost (E.2+F.2) - As Evaluated				
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				
H.2 Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				
I.1				
Contractor's Profit - As Submitted				
I.2 Contractor's Profit - As Evaluated				
J.1				
Value Added Tax - As Submitted				
J.2 Value Added Tax - As Evaluated				
K.1				
Total Unit Cost - As Submitted				
K.2 Total Unit Cost - As Evaluated				

Prepared by: 
MARK ANTHON P. ROSILLOS
 Engineer II

Checked/Reviewed: 
ISIDRA A. ESTANISLAO
 Engineer IV

ction/Improvement of Access Road leading to Declared Tourism Destinations-NRJ Ayala - L **Leading to La Paz Resort , Zamboanga City**

FORM-POW-2015-01D-00

Item No./Description : 103(6)a
 Pipe Culverts and Drain Excavation
 Unit of Measurement : 252.67 cu.m,
 Output per hour-As Submitted : 20.00
 Output per hour-As Evaluated :

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
A.1				
Labor				
a. Foreman	1	1	80.95	80.95
b. Unskilled Laborer	3	1	45.16	135.47
Sub-Total for A-1 As Submitted				216.42
Labor				
A.2				
Sub-Total for A-2 As Evaluated				
Name and Capacity				
Equipment				
B.1				
a. Dump Truck (12 cu.yd.)	2	1	1,420.00	2,840.00
b. Backhoe (0.80 cu.m.)	1	1	1,537.00	1,537.00
Minor Tools 10% of Labor				21.64
Sub-Total for B-1 As Submitted				4,398.64
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				4,615.06
C.2				
Total (A.2+B.2) - As Evaluated				-
D.1				
Output per Hour - As Submitted				20.00
D.2				
Output per Hour - As Evaluated				
E.1				
Direct Unit Cost (C.1 + D.1) - As Submitted				230.75
E.2				
Direct Unit Cost (C.2 + D.2) - As Evaluated				
F.1				
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
Materials				
Sub-Total for F-1 As Submitted				-
Materials				
F.2				
Sub-Total for F-2 As Evaluated				
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				230.75
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				27.69
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1				
Contractor's Profit - As Submitted				18.46
I.2				
Contractor's Profit - As Evaluated				-
J.1				
Value Added Tax - As Submitted				13.85
J.2				
Value Added Tax - As Evaluated				-
K.1				
Total Unit Cost - As Submitted				290.75
K.2				
Total Unit Cost - As Evaluated				-

Prepared by:

Checked/Reviewed


MARK ANTHON P. REBOLLOS
 Engineer II


ISIDRA A. ESTANISLAO
 Engineer IV

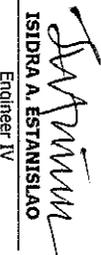
Item No./Description : 104(1)a
 Embankment from Roadway Excavation
 Unit of Measurement : 3,127.07 cu.m.
 Output per hour-As Submitted : 50.00
 Output per hour-As Evaluated :

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
Labor				
For Excavation Work				
a. Foreman	1	0.83	80.95	67.19
b. Unskilled Laborer	2	0.83	45.16	74.96
A.1				
Spreading and Compaction				
a. Foreman	1	1	80.95	80.95
b. Unskilled Laborer	2	1	45.16	90.31
Sub-Total for A-1 As Submitted				
Labor				313.41
A.2				
Sub-Total for A-2 As Evaluated				
Name and Capacity				
No. of Units				
No. of Hour/s				
Hourly Rate				
Amount (Php.)				
Equipment				
For Excavation Work				
a. Bulldozer, DSH Series II PSDS/DD	1	0.83	3,379.00	2,804.57
b. Payloader (1.50 cu.m.)	1	0.83	1,733.00	1,438.39
c. Dump Truck (12 cu.yd.)	2	0.83	1,420.00	2,357.20
B.1				
Spreading and Compaction				
a. Motorized Road Grader (140 hp), G170A	1	1	2,173.00	2,173.00
b. Vibratory Roller (10 mt), SD100C	1	1	1,846.00	1,846.00
c. Water Truck/Pump (16000L)	1	0.25	2,450.00	612.50
Sub-Total for B-1 As Submitted				
Equipment				11,231.66
B.2				
Sub-Total for B-2 As Evaluated				
Total (A.1+B.1) - As Submitted				
Total (A.2+B.2) - As Evaluated				
Output per Hour - As Submitted				
Output per Hour - As Evaluated				
Direct Unit Cost (C.1 + D.1) - As Submitted				
Direct Unit Cost (C.2 + D.2) - As Evaluated				
F.1				
Materials				
Unit				
Quantity				
Unit Cost				
Amount (Php.)				
Sub-Total for F-1 As Submitted				
Equipment				
F.2				
Sub-Total for F-2 As Evaluated				
Direct Unit Cost (E.1+F.1) - As Submitted				
Direct Unit Cost (E.2+F.2) - As Evaluated				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				
Contractor's Profit - As Submitted				
Contractor's Profit - As Evaluated				
Value Added Tax - As Submitted				
Value Added Tax - As Evaluated				
Total Unit Cost - As Submitted				
Total Unit Cost - As Evaluated				

Prepared by:

Checked/Reviewed


 MARK ANTHON P. REBOLLOS
 Engineer II


 ISIDRA A. ESTANISLAO
 Engineer IV

Item No./Description : 105(1)a
 Upgrade Preparation
 Unit of Measurement : 21,127.76 cu.m.
 Output per hour-As Submitted : 300.00
 Output per hour-As Evaluated :

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
A.1				
Labor				
a. Foreman	1	1	80.95	80.95
b. Unskilled Laborer	2	1	45.16	90.31
Sub-Total for A-1 As Submitted				171.26
Labor				
A.2				
Sub-Total for A-2 As Evaluated				
Name and Capacity				
Equipment				
B.1				
a. Backhoe (0.80 cu.m.)	1	1	2,173.00	2,173.00
b. Vibratory Roller (10 mt), SD100C	1	1	1,846.00	1,846.00
c. Water Truck/Pump (16000 l)	1	0.25	2,450.00	612.50
Sub-Total for B-1 As Submitted				4,631.50
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1	Total (A.1+B.1) - As Submitted			
				4,802.76
C.2	Total (A.2+B.2) - As Evaluated			
				-
D.1	Output per Hour - As Submitted			
				300.00
D.2	Output per Hour - As Evaluated			
E.1	Direct Unit Cost (C.1 + D.1) - As Submitted			
				16.01
E.2	Direct Unit Cost (C.2 + D.2) - As Evaluated			
Name and Specification				
F.1				
Materials				
Sub-Total for F-1 As Submitted				
Materials				
Sub-Total for F-2 As Evaluated				
F.2				
G.1	Direct Unit Cost (E.1+F.1) - As Submitted			
				16.01
G.2	Direct Unit Cost (E.2+F.2) - As Evaluated			
				-
H.1	Overhead, Contingencies & Miscellaneous (OCM) - As Submitted			
				1.92
H.2	Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated			
				-
I.1	Contractor's Profit - As Submitted			
				1.28
I.2	Contractor's Profit - As Evaluated			
				-
J.1	Value Added Tax - As Submitted			
				0.96
J.2	Value Added Tax - As Evaluated			
				-
K.1	Total Unit Cost - As Submitted			
				20.17
K.2	Total Unit Cost - As Evaluated			
				-

Prepared by: 
MARK ANTHON P. REBOLLOS
 Engineer II

Checked/Reviewed: 
ISIDRA A. ESTANISLAO
 Engineer IV

Item No./Description : 200(1)
 Aggregate Subbase Course
 Unit of Measurement : 8,692.82 cu.m.
 Output per hour-As Submitted : 50.00
 Output per hour-As Evaluated :

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
A1				
Labor				
a. Foreman	1	1	80.95	80.95
b. Unskilled Laborer	2	1	45.16	90.31
Sub-Total for A-1 As Submitted				171.26
Labor				
A2				
Sub-Total for A-2 As Evaluated				
B.1				
Equipment				
a. Motorized Road Grader (140 hp), G710A	1	1	2,173.00	2,173.00
b. Vibratory Roller (10 mt), SD100C	1	1	1,846.00	1,846.00
c. Water Truck/Pump (16000 L)	1	0.25	2,450.00	612.50
Sub-Total for B-1 As Submitted				4,631.50
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				
Total (A.2+B.2) - As Evaluated				
C.2				
Output per Hour - As Submitted				
D.1				
Output per Hour - As Evaluated				
D.2				
Direct Unit Cost (C.1 + D.1) - As Submitted				
Direct Unit Cost (C.2 + D.2) - As Evaluated				
E.1				
Direct Unit Cost (C.1 + D.1) - As Submitted				
Direct Unit Cost (C.2 + D.2) - As Evaluated				
E.2				
Name and Specification				
Unit				
Quantity				
Unit Cost				
Amount (Php.)				
F.1				
Materials				
a. Aggregate Subbase Course	cu.m.	1.15	909.33	1,045.73
(with 15% wastage factor)				
Sub-Total for F-1 As Submitted				
Materials				
F.2				
Sub-Total for F-2 As Evaluated				
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				
Direct Unit Cost (E.2+F.2) - As Evaluated				
G.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				
H.1				
Contractor's Profit - As Submitted				
Contractor's Profit - As Evaluated				
H.2				
Value Added Tax - As Submitted				
Value Added Tax - As Evaluated				
J.1				
Total Unit Cost - As Submitted				
Total Unit Cost - As Evaluated				
K.1				
Total Unit Cost - As Submitted				
Total Unit Cost - As Evaluated				
K.2				

Prepared by:

Checked/Reviewed


MARK ANTHON P. REBOLLOS
 Engineer II


ISIDRA A. ESTRANISLAO
 Engineer IV

Item No./Description : 300(1)
Gravel Surface Course
Unit of Measurement : 823.82 cu.m.
Output per hour-As Submitted : 50.00
Output per hour-As Evaluated :

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
A.1				
Labor				
a. Foreman	1	1	80.95	80.95
b. Unskilled Laborer	2	1	45.16	90.31
Sub-Total for A-1 As Submitted				171.26
Labor				
A.2				
Sub-Total for A-2 As Evaluated				
Name and Capacity				
B.1				
Equipment				
a. Motorized Road Grader (140 hp), G710A	1	1	2,173.00	2,173.00
b. Vibratory Roller (10 mh), SD100C	1	1	1,846.00	1,846.00
c. Water Truck/Pump (16000 L)	1	0.25	2,450.00	612.50
Sub-Total for B-1 As Submitted				4,631.50
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				
4,802.76				
C.2				
Total (A.2+B.2) - As Evaluated				
50.00				
D.1				
Output per Hour - As Submitted				
D.2				
Output per Hour - As Evaluated				
E.1				
Direct Unit Cost (C.1 + D.1) - As Submitted				
96.06				
E.2				
Direct Unit Cost (C.2 + D.2) - As Evaluated				
F.1				
Materials				
a. Uncrushed Aggregate Surface Course (with 15% wastage factor)	cu.m.	1.15	927.33	1,066.43
Sub-Total for F-1 As Submitted				1,066.43
Equipment				
F.2				
Sub-Total for F-2 As Evaluated				
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				
1,162.48				
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				
139.50				
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				
-				
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				
93.00				
I.1				
Contractor's Profit - As Submitted				
-				
I.2				
Contractor's Profit - As Evaluated				
69.75				
J.1				
Value Added Tax - As Submitted				
-				
J.2				
Value Added Tax - As Evaluated				
1,464.73				
K.1				
Total Unit Cost - As Submitted				
-				
K.2				
Total Unit Cost - As Evaluated				

Prepared by:

Checked/Reviewed


MARK ANTHON P. REBOLLOS
Engineer II

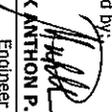

ISIDRA A. ESTANISLAO
Engineer IV

Item No./Description : 311(1)a
 Portland Cement Concrete Pavement
 Unit of Measurement : 2,755.35 sq.m.
 Output per hour-As Submitted : 107.33
 Output per hour-As Evaluated :

	Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
A.1	Labor				
	a. Foreman	1	1	80.95	80.95
	b. Skilled Laborer	4	1	58.61	234.44
	b. Unskilled Laborer	12	1	45.16	541.88
Sub-Total for A-1 As Submitted					857.26
Labor					
A.2	Sub-Total for A-2 As Evaluated				
Name and Capacity		No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
B.1	Equipment				
	a. Transit Mixer (5 cu.m.)	4	1	1,318.00	5,272.00
	b. Concrete Vibrator	2	1	91.25	182.50
	c. Concrete Batching Plant (30 cu.m.)	1	1	1,759.50	1,759.50
	d. Payloader (1.50 cu.m), LX80-2C	1	1	1,733.00	1,733.00
	e. Concrete Screeder (5.5 hp)	1	1	545.00	545.00
	f. Water Truck/Pump (16000 L)	1	1	2,450.00	2,450.00
	g. Concrete Saw (7.5 hp), 14" Blade dia.	1	1	32.63	32.63
	h. Bar Cutter, Single Phase	1	1	219.75	21.98
	Minor Tools 5% of Labor				42.86
Sub-Total for B-1 As Submitted					12,039.47
Equipment					
B.2	Sub-Total for B-2 As Evaluated				
C.1	Total (A.1+B.1) - As Submitted				12,896.73
C.2	Total (A.2+B.2) - As Evaluated				-
D.1	Output per Hour - As Submitted				107.33
D.2	Output per Hour - As Evaluated				
E.1	Direct Unit Cost (C.1 + D.1) - As Submitted				120.16
E.2	Direct Unit Cost (C.2 + D.2) - As Evaluated				
F.1	Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
	Materials				
	a. Reinforcing Steel Bar	kg.	0.33	38.00	12.54
	b. Curing Compound	L	0.29	35.00	10.15
	c. Asphalt Sealant	L	0.12	100.00	12.00
	d. Seal Forms (Rental)	m.	0.46	40.00	18.40
	e. Sand	cu.m.	0.0825	1,629.33	134.42
	f. Gravel	cu.m.	0.15	1,429.33	214.40
	g. Cement	bag	1.43	304.00	434.72
	h. Concrete Saw (Diamond Blade 14" dia.)	pc.	0.00015	2,500.00	0.38
	i. Pipe Sleeve, 2" dia.	m.	0.0078	61.00	0.48
	j. Grease/Tar	L	0.0015	112.50	0.17
	Sub-Total for F-1 As Submitted				
Materials					
F.2	Sub-Total for F-2 As Evaluated				
G.1	Direct Unit Cost (E.1+F.1) - As Submitted				957.81
G.2	Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1	Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				114.94
H.2	Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1	Contractor's Profit - As Submitted				76.62
I.2	Contractor's Profit - As Evaluated				-
J.1	Value Added Tax - As Submitted				57.47
J.2	Value Added Tax - As Evaluated				-
K.1	Total Unit Cost - As Submitted				1,206.84
K.2	Total Unit Cost - As Evaluated				-

Prepared by:

Checked/Reviewed


 MARK ANTHONY P. REBOLLO
 Engineer II


 ISIDRA A. ESTANISLAO
 Engineer IV

Item No./Description : 404(1)a
Reinforcing Steel, Grade 40
Unit of Measurement : 9,466.08 kg.
Output per hour-As Submitted : 180.00
Output per hour-As Evaluated :

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
A.1				
Labor				
a. Foreman	1	1	80.95	80.95
b. Skilled Laborer	2	1	58.61	117.22
b. Unskilled Laborer	8	1	45.16	361.28
Sub-Total for A-1 As Submitted				559.42
Labor				
A.2				
Sub-Total for A-2 As Evaluated				
B.1				
Equipment				
a. Bar-Cutter	1	0.5	219.75	109.88
b. Bar Bender	1	0.5	351.50	175.75
c. Cargo Truck (9 - 10 m ³)	1	0.15	1,212.00	181.80
Sub-Total for B-1 As Submitted				467.43
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				
1,026.84				
C.2				
Total (A.2+B.2) - As Evaluated				
-				
D.1				
Output per Hour - As Submitted				
180.00				
D.2				
Output per Hour - As Evaluated				
-				
E.1				
Direct Unit Cost (C.1 + D.1) - As Submitted				
5.70				
E.2				
Direct Unit Cost (C.2 + D.2) - As Evaluated				
-				
F.1				
Materials				
a. Tie Wire (2% of RSB)	kg.	0.02	100.00	2.10
b. Reinforcing Steel Bar (with 5% wastage)	kg.	1.05	38.00	39.90
Sub-Total for F-1 As Submitted				42.00
Materials				
F.2				
Sub-Total for F-2 As Evaluated				
-				
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				
47.70				
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				
-				
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				
5.72				
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				
-				
I.1				
Contractor's Profit - As Submitted				
3.82				
I.2				
Contractor's Profit - As Evaluated				
-				
J.1				
Value Added Tax - As Submitted				
2.86				
J.2				
Value Added Tax - As Evaluated				
-				
K.1				
Total Unit Cost - As Submitted				
60.11				
K.2				
Total Unit Cost - As Evaluated				
-				

Prepared by:


MARK ANTHON P. REBOLLOS
Engineer II

Checked/Reviewed


ISIDRA A. ESTANISLAO
Engineer IV

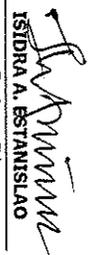
Item No./Description : 405(1)a3
Structural Concrete, Class "A"
Unit of Measurement : 234.00 cu.m.
Output per hour-As Submitted : 1.40
Output per hour-As Evaluated :

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
Labor				
a. Foreman	1	1	80.95	80.95
b. Skilled Laborer	4	1	58.61	234.44
c. Unskilled Laborer	8	1	45.16	361.25
Installation/Removal of Formworks				
a. Skilled Laborer	4	1	58.61	234.44
b. Unskilled Laborer	8	1	45.16	361.25
Sub-Total for A-1 As Submitted				
Labor				1,272.32
A-2				
Sub-Total for A-2 As Evaluated				
Name and Capacity				
Equipment				
a. One Bagger Mixer	1	1	219.75	219.75
b. Concrete Vibrator	1	1	351.50	351.50
c. Water Truck/Pump (16000 L)	1	0.1	1,212.00	121.20
Minor Tools 5% of Labor				63.62
Sub-Total for B-1 As Submitted				
Equipment				756.07
B-2				
Sub-Total for B-2 As Evaluated				
C-1 Total (A.1+B.1) - As Submitted				
C-2 Total (A.2+B.2) - As Evaluated				
D-1 Output per Hour - As Submitted				
D-2 Output per Hour - As Evaluated				
E-1 Direct Unit Cost (C.1 + D.1) - As Submitted				
E-2 Direct Unit Cost (C.2 + D.2) - As Evaluated				
Name and Specification				
Materials				
a. Lumber, Good - 4 uses	bd.ft.	70.00	37.00	647.50
b. Marine Plywood (1/2" x 4' x 8') - 4 uses	pc.	1.60	1,100.00	440.00
c. Assorted CWM	kg.	0.70	65.00	45.50
d. Cement	bag	9.50	304.00	2,888.00
e. Sand	cu.m.	0.50	1,629.33	814.67
f. Gravel	cu.m.	1.00	1,429.33	1,429.33
Sub-Total for F-1 As Submitted				
Materials				
F-2				
Sub-Total for F-2 As Evaluated				
G-1 Direct Unit Cost (E.1+F.1) - As Submitted				
G-2 Direct Unit Cost (E.2+F.2) - As Evaluated				
H-1 Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				
H-2 Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				
I-1 Contractor's Profit - As Submitted				
I-2 Contractor's Profit - As Evaluated				
J-1 Value Added Tax - As Submitted				
J-2 Value Added Tax - As Evaluated				
K-1 Total Unit Cost - As Submitted				
K-2 Total Unit Cost - As Evaluated				

Prepared by:

Checked/Reviewed


MARK ANTHON P. REBOLLOS
Engineer- II


ISIDRA A. ESTANISLAO
Engineer- IV

Item No./Description : 500(1)B3
Pipe Culverts
Unit of Measurement : 78.00 In.m.
Output per hour-As Submitted : 1.00
Output per hour-As Evaluated :

	Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
A.1	Labor				
	a. Foreman	1	0.57	80.95	46.14
	b. Skilled Laborer	2	0.57	58.61	66.81
	c. Unskilled Laborer	4	0.57	45.16	102.96
	Sub-Total for A-1 As Submitted				215.91
	Labor				
A.2					
	Sub-Total for A-2 As Evaluated				
	Name and Capacity	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
B.1	Equipment				
	a. Backhoe (0.80 cu.m.)	1	0.29	1,537.00	445.73
	b. Plate Compactor (5 hp)	1	0.29	123.00	35.67
	Minor Tools 10% of Labor				21.59
	Sub-Total for B-1 As Submitted				502.99
	Equipment				
B.2					
	Sub-Total for B-2 As Evaluated				
C.1	Total (A.1+B.1) - As Submitted				718.90
C.2	Total (A.2+B.2) - As Evaluated				-
D.1	Output per Hour - As Submitted				1.00
D.2	Output per Hour - As Evaluated				
E.1	Direct Unit Cost (C.1 ÷ D.1) - As Submitted				718.90
E.2	Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				
	Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
F.1	Materials				
	a. Cement	bag	1.08	304.00	328.32
	b. Sand	cu.m.	0.06	1,629.33	99.39
	c. RC Pipes (910 mm. dia.)	pc.	1.00	1,665.00	1,665.00
	d. Sand Bedding/Selected Sandy Soil	cu.m.	0.13	1,629.33	208.55
	Sub-Total for F-1 As Submitted				2,301.26
	Materials				
F.2					
	Sub-Total for F-2 As Evaluated				
G.1	Direct Unit Cost (E.1+F.1) - As Submitted				3,020.17
G.2	Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1	Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				362.42
H.2	Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1	Contractor's Profit - As Submitted				241.61
I.2	Contractor's Profit - As Evaluated				-
J.1	Value Added Tax - As Submitted				181.21
J.2	Value Added Tax - As Evaluated				-
K.1	Total Unit Cost - As Submitted				3,805.41
K.2	Total Unit Cost - As Evaluated				-

Prepared by:


MARK ANTHON P. REBOLLOS
Engineer II

Checked/Reviewed


ISIDORA A. ESTANISLAO
Engineer IV

Item No./Description : 505(2)a
Grouded Riprap, Class "A"
Unit of Measurement : 28.29 cu.m.
Output per hour-As Submitted : 1.25
Output per hour-As Evaluated :

	Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)	
A.1	Labor					
	a. Foreman	1	1	80.95	80.95	
	b. Skilled Laborer	2	1	58.61	117.22	
	c. Unskilled Laborer	8	1	45.16	361.25	
	Sub-Total for A-1 As Submitted				559.42	
	Labor					
A.2						
	Sub-Total for A-2 As Evaluated					
B.1	Equipment					
	a. One Bagger Mixer	1	1	172.00	172.00	
	b. Water Truck/Pump (16000 L)	1	0.05	2,450.00	122.50	
	Minor Tools 10% of Labor				55.94	
	Sub-Total for B-1 As Submitted				350.44	
	Equipment					
B.2						
	Sub-Total for B-2 As Evaluated					
C.1	Total (A.1+B.1) - As Submitted				909.86	
C.2	Total (A.2+B.2) - As Evaluated				-	
D.1	Output per Hour - As Submitted				1.25	
D.2	Output per Hour - As Evaluated					
E.1	Direct Unit Cost (C.1 + D.1) - As Submitted				727.89	
E.2	Direct Unit Cost (C.2 + D.2) - As Evaluated					
F.1	Materials	Unit	Quantity	Unit Cost	Amount (Php.)	
	a. Cement	bag	3.00	304.00	912.00	
	b. Sand	cu.m.	0.25	1,629.33	407.33	
	c. Gravel fill	cu.m.	0.02	1,429.33	21.44	
	d. Weep Holes (PVC)	m.	0.30	536.00	160.80	
	e. Filter Cloth	sq.m.	0.015	160.00	2.40	
	f. Boulder	cu.m.	1.05	1,329.33	1,395.80	
	Miscellaneous	% of Material Cost				29.00
		Sub-Total for F-1 As Submitted				2,928.77
		Materials				
F.2						
	Sub-Total for F-2 As Evaluated					
G.1	Direct Unit Cost (E.1+F.1) - As Submitted				3,656.66	
G.2	Direct Unit Cost (E.2+F.2) - As Evaluated				-	
H.1	Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				438.80	
H.2	Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-	
I.1	Contractor's Profit - As Submitted				292.53	
I.2	Contractor's Profit - As Evaluated				-	
J.1	Value Added Tax - As Submitted				219.40	
J.2	Value Added Tax - As Evaluated				-	
K.1	Total Unit Cost - As Submitted				4,607.39	
K.2	Total Unit Cost - As Evaluated				-	

Prepared by:

Checked/Reviewed


MARK ANTHONY P. REBOLLOS
Engineer II


ISIDRA A. ESTANISLAO
Engineer IV

Item No./Description : 506(1)
 Stone Masonry
 Unit of Measurement : 60.41 cu.m.
 Output per hour-As Submitted : 1.60
 Output per hour-As Evaluated :

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
A.1				
Labor				
a. Foreman	1	1	80.95	80.95
b. Skilled Laborer	2	1	58.61	117.22
c. Unskilled Laborer	8	1	45.16	361.25
Sub-Total for A-1 As Submitted				559.42
Labor				
A.2				
Sub-Total for A-2 As Evaluated				
Name and Capacity				
No. of Units				
No. of Hour/s				
Hourly Rate				
Amount (Php.)				
Equipment				
B.1				
a. One Bagger Mixer	1	1	172.00	172.00
b. Water Truck/Pump (16000 L)	1	0.05	2,450.00	122.50
c. Backhoe (Wheel Type, 0.28 cu.m.)	1	0.1	922.00	92.20
Minor Tools 10% of Labor				55.94
Sub-Total for B-1 As Submitted				442.64
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				1,002.06
C.2				
Total (A.2+B.2) - As Evaluated				-
D.1				
Output per Hour - As Submitted				1.60
D.2				
Output per Hour - As Evaluated				
E.1				
Direct Unit Cost (C.1 + D.1) - As Submitted				626.29
E.2				
Direct Unit Cost (C.2 + D.2) - As Evaluated				
Name and Specification				
Unit				
Quantity				
Unit Cost				
Amount (Php.)				
Materials				
F.1				
a. Cement	bag	5.50	304.00	1,672.00
b. Sand	cu.m.	0.30	1,629.33	488.80
c. Gravel	cu.m.	0.02	1,429.33	28.59
d. Weep Holes (PVC)	m.	0.30	536.00	160.80
e. Filter Cloth	sq.m.	0.02	160.00	2.40
f. Boulder	cu.m.	1.05	1,329.33	1,395.80
Miscellaneous 1% of Material Cost				37.48
Sub-Total for F-1 As Submitted				3,785.87
Materials				
F.2				
Sub-Total for F-2 As Evaluated				
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				4,412.15
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				529.46
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1				
Contractor's Profit - As Submitted				352.97
I.2				
Contractor's Profit - As Evaluated				-
J.1				
Value Added Tax - As Submitted				264.73
J.2				
Value Added Tax - As Evaluated				-
K.1				
Total Unit Cost - As Submitted				5,559.31
K.2				
Total Unit Cost - As Evaluated				-

Prepared by:

Checked/Reviewed


 MARK ANTHONY P. REBOLLOS
 Engineer II


 ISIDRA A. ESTANISLAO
 Engineer IV

Item No./Description : 603(3a1)
Metal Guardrail (Including Post)
Unit of Measurement : 320.00 In.m
Output per hour-As Submitted : 4.20
Output per hour-As Evaluated :

	Designation	No. of Person/s	No. of Hours	Hourly Rate	Amount (Php.)
A.1	Labor				
	a. Foreman	1	1	80.95	80.95
	b. Skilled Laborer	2	1	58.61	117.22
	c. Unskilled Laborer	4	1	45.16	180.63
	Sub-Total for A-1 As Submitted				378.79
	Labor				
A.2					
	Sub-Total for A-2 As Evaluated				
	Name and Capacity	No. of Units	No. of Hours	Hourly Rate	Amount (Php.)
B.1	Equipment				
	a. One Bagger Mixer	1	0.5	172.00	86.00
	b. Concrete Vibrator	1	0.5	91.25	45.63
	c. Water Truck/Pump (16000 l)	1	0.05	2,450.00	122.50
	d. Cargo Truck	1	0.25	1,212.00	303.00
	Minor Tools 5% of Labor				18.94
	Sub-Total for B-1 As Submitted				576.06
	Equipment				
B.2					
	Sub-Total for B-2 As Evaluated				
C.1	Total (A.1+B.1) - As Submitted				954.86
C.2	Total (A.2+B.2) - As Evaluated				-
D.1	Output per Hour - As Submitted				4.20
D.2	Output per Hour - As Evaluated				
E.1	Direct Unit Cost (C.1 ÷ D.1) - As Submitted				227.35
E.2	Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				
	Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
F.1	Materials				
	a. Cement	bag	0.33	304.00	100.32
	b. Sand	cum.	0.02	1,629.33	29.33
	c. Gravel	cum.	0.04	1,429.33	51.46
	d. Metal Beam Guardrail	m	1.00	1,300.00	1,300.00
	e. Plywood marine, 1/2" thk x 4' 8" - 4 uses	pc	0.25	1,100.00	275.00
	f. Lumber - good 4 uses	bd-ft	8.00	37.00	296.00
	g. Reinforcing Steel Bars, Grade 40	kg	4.00	38.00	152.00
	h. The Wire (2% of RSB)	kg	0.08	100.00	8.00
	i. Assorted CWN (1 kg/100 bd-ft of Lumber)	kg	0.08	65.00	5.20
	j. Bolt, Nut & Washer 5/8" dia. X 9"	pc	0.50	28.00	14.00
k. Bolt, Nut & Washer 5/8" dia. X 1"	pc	2.00	21.00	42.00	
	Sub-Total for F-1 As Submitted				2,273.30
	Materials				
F.2					
	Sub-Total for F-2 As Evaluated				
G.1	Direct Unit Cost (E.1+F.1) - As Submitted				2,500.65
G.2	Direct Unit Cost (E.2+F.2) - As Evaluated				
H.1	Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				300.08
H.2	Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1	Contractor's Profit - As Submitted				200.05
I.2	Contractor's Profit - As Evaluated				-
J.1	Value Added Tax - As Submitted				150.04
J.2	Value Added Tax - As Evaluated				-
K.1	Total Unit Cost - As Submitted				3,150.82
K.2	Total Unit Cost - As Evaluated				-

Prepared by:


MARK ANTHON P. REBOLLOS
Engineer II

Checked/Reviewed


ISIDRA A. ESTANISLAO
Engineer IV

Item No./Description : 603(4a)
 Metal Beam End Piece
 Unit of Measurement : 4.00 each
 Output per hour-As Submitted : 6.00
 Output per hour-As Evaluated :

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
A.1				
Labor				
a. Foreman	1	1	80.95	80.95
b. Skilled Laborer	1	1	58.61	58.61
c. Unskilled Laborer	2	1	45.16	90.31
Sub-Total for A-1 As Submitted				229.87
Labor				
A.2				
Sub-Total for A-2 As Evaluated				
Name and Capacity				
B.1				
Equipment				
d. Cargo Truck	1	0.25	1,212.00	303.00
Minor Tools				11.49
5% of Labor				
Sub-Total for B-1 As Submitted				314.49
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				544.37
C.2				
Total (A.2+B.2) - As Evaluated				-
D.1				
Output per Hour - As Submitted				6.00
D.2				
Output per Hour - As Evaluated				
E.1				
Direct Unit Cost (C.1 + D.1) - As Submitted				90.73
E.2				
Direct Unit Cost (C.2 + D.2) - As Evaluated				
Name and Specification				
F.1				
Materials	Unit	Quantity	Unit Cost	Amount (Php.)
a. Metal Guardrail End Piece	each	1.00	1,350.00	1,350.00
Sub-Total for F-1 As Submitted				1,350.00
Materials				
F.2				
Sub-Total for F-2 As Evaluated				
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				1,440.73
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				172.89
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1				
Contractor's Profit - As Submitted				115.26
I.2				
Contractor's Profit - As Evaluated				-
J.1				
Value Added Tax - As Submitted				86.44
J.2				
Value Added Tax - As Evaluated				-
K.1				
Total Unit Cost - As Submitted				1,815.32
K.2				
Total Unit Cost - As Evaluated				-

Prepared by:

Checked/Reviewed


 MARK ANTHON P. REBOLLOS
 Engineer II


 ISIDRA A. ESTANISLAO
 Engineer IV

Item No./Description : 612(1)
 Reflectorized Thermoplastic Pavement Markings (White)
 Unit of Measurement : 584.22 sq.m.
 Output per hour-As Submitted : 25.00
 Output per hour-As Evaluated :

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
A.1				
Labor				
a. Foreman	1	1	80.95	80.95
b. Skilled Laborer	2	1	58.61	117.22
c. Unskilled Laborer	6	1	45.16	270.94
Sub-Total for A-1 As Submitted				469.11
Labor				
A.2				
Sub-Total for A-2 As Evaluated				
Name and Capacity				
No. of Units				
No. of Hour/s				
Hourly Rate				
Amount (Php.)				
Equipment				
B.1				
a. Cargo Truck (2 - 5 mt.)	1	1	783.00	783.00
b. Applicator Machine	1	1	93.75	93.75
c. Kneading Machine	1	1	187.50	187.50
Minor Tools 10% of Labor				46.91
Sub-Total for B-1 As Submitted				1,111.16
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				1,580.27
C.2				
Total (A.2+B.2) - As Evaluated				-
D.1				
Output per Hour - As Submitted				25.00
D.2				
Output per Hour - As Evaluated				
E.1				
Direct Unit Cost (C.1 + D.1) - As Submitted				63.21
E.2				
Direct Unit Cost (C.2 + D.2) - As Evaluated				
Name and Specification				
Unit				
Quantity				
Unit Cost				
Amount (Php.)				
Materials				
F.1				
a. Thermoplastic Paint (White)	bag	0.33	1,585.00	515.13
b. Glass Beads	bag	0.03	2,500.00	82.50
c. Primer	L	0.12	160.00	19.20
d. LPG (50 kg.)	cyl.	0.00	3,450.00	13.80
e. LPG (12 kg.)	cyl.	0.00	828.00	1.66
f. Castorine	kg.	0.13	100.00	12.50
Miscellaneous 5% of Material Cost				32.24
Sub-Total for F-1 As Submitted				677.02
Materials				
F.2				
Sub-Total for F-2 As Evaluated				
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				740.23
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				88.83
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1				
Contractor's Profit - As Submitted				59.22
I.2				
Contractor's Profit - As Evaluated				-
J.1				
Value Added Tax - As Submitted				44.41
J.2				
Value Added Tax - As Evaluated				-
K.1				
Total Unit Cost - As Submitted				932.69
K.2				
Total Unit Cost - As Evaluated				-

Prepared by:

Checked/Reviewed


 MARK ANTHON P. REBOLLOS
 Engineer II


 ISIDRA A. ESTANISLAO
 Engineer IV

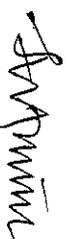
Item No./Description : 612(2)
 ReflectORIZED Thermoplastic Pavement Markings (Yellow)
 Unit of Measurement : 255.74 sq.m.
 Output per hour-As Submitted : 25.00
 Output per hour-As Evaluated :

	Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
A.1	Labor				
	a. Foreman	1	1	80.95	80.95
	b. Skilled Laborer	2	1	58.61	117.22
	b. Unskilled Laborer	6	1	45.16	270.94
	Sub-Total for A-1 As Submitted				469.11
	Labor				
A.2	Sub-Total for A-2 As Evaluated				
	Name and Capacity	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
B.1	Equipment				
	a. Cargo Truck (2 - 5 mt.)	1	1	783.00	783.00
	b. Applicator Machine	1	1	93.75	93.75
	c. Kneading Machine	1	1	187.50	187.50
	Minor Tools 10% of Labor				46.91
	Sub-Total for B-1 As Submitted				1,111.16
	Equipment				
B.2	Sub-Total for B-2 As Evaluated				
C.1	Total (A.1+B.1) - As Submitted				1,580.27
C.2	Total (A.2+B.2) - As Evaluated				-
D.1	Output per Hour - As Submitted				25.00
D.2	Output per Hour - As Evaluated				
E.1	Direct Unit Cost (C.1 + D.1) - As Submitted				63.21
E.2	Direct Unit Cost (C.2 + D.2) - As Evaluated				
	Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
F.1	Materials				
	a. Thermoplastic Paint (Yellow)	bag	0.33	1,800.00	585.00
	b. Glass Beads	bag	0.03	2,500.00	82.50
	c. Primer	L	0.12	175.00	21.00
	d. LPG (50 kg)	gyl.	0.00	3,450.00	13.80
	e. LPG (12 kg)	gyl.	0.00	828.00	1.66
	f. Calsunrine	kg.	0.13	100.00	12.50
	Miscellaneous 5% of Material Cost				35.82
	Sub-Total for F-1 As Submitted				752.28
	Equipment				
F.2	Sub-Total for F-2 As Evaluated				
G.1	Direct Unit Cost (E.1+F.1) - As Submitted				815.49
G.2	Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1	Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				97.86
H.2	Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1	Contractor's Profit - As Submitted				65.24
I.2	Contractor's Profit - As Evaluated				-
J.1	Value Added Tax - As Submitted				48.93
J.2	Value Added Tax - As Evaluated				-
K.1	Total Unit Cost - As Submitted				1,027.52
K.2	Total Unit Cost - As Evaluated				-

Prepared by:


MARK ANTHON P. REBOLLOS
 Engineer II

Checked/Reviewed


ISIDRA A. ESTANISLAO
 Engineer IV

Item No./Description : 622(1)a
 Coco-net
 Unit of Measurement : 609.00 sq.m.
 Output per hour-As Submitted : 50.00
 Output per hour-As Evaluated :

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
A.1 Labor				
a. Foreman	1	1	80.95	80.95
b. Unskilled Laborer	8	1	45.16	361.25
Sub-Total for A-1 As Submitted				442.20
Labor				
A.2				
Sub-Total for A-2 As Evaluated				
Name and Capacity	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
B.1 Equipment				
a. Water Truck/Pump	1	0.25	2,450.00	612.50
Minor Tools 10% of Labor				44.22
Sub-Total for B-1 As Submitted				656.72
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1 Total (A.1+B.1) - As Submitted				1,098.92
C.2 Total (A.2+B.2) - As Evaluated				-
D.1 Output per Hour - As Submitted				50.00
D.2 Output per Hour - As Evaluated				
E.1 Direct Unit Cost (C.1 ÷ D.1) - As Submitted				21.98
E.2 Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
F.1 Materials				
a. Erosion Control Net CGN400 with 5% wastage	sq.m.	1.05	110.00	115.50
Sub-Total for F-1 As Submitted				115.50
Materials				
F.2				
Sub-Total for F-2 As Evaluated				
G.1 Direct Unit Cost (E.1+F.1) - As Submitted				137.48
G.2 Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1 Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				16.50
H.2 Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1 Contractor's Profit - As Submitted				11.00
I.2 Contractor's Profit - As Evaluated				-
J.1 Value Added Tax - As Submitted				8.25
J.2 Value Added Tax - As Evaluated				-
K.1 Total Unit Cost - As Submitted				173.22
K.2 Total Unit Cost - As Evaluated				-

Prepared by:


MARK ANTHON P. REBOLLOS
 Engineer II

Checked/Reviewed


ISIDRA A. ESTANISLAO
 Engineer IV

Item No./Description : 622(2)b
 Coco-logs/Fascine
 Unit of Measurement : 80.00 ln.m.
 Output per hour-As Submitted : 15.00
 Output per hour-As Evaluated :

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
A.1				
Labor				
a. Foreman	1	1	80.95	80.95
b. Unskilled Laborer	8	1	45.16	361.25
Sub-Total for A-1 As Submitted				442.20
Labor				
A.2				
Sub-Total for A-2 As Evaluated				
Name and Capacity	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
B.1				
Equipment				
Minor Tools 10% of Labor				44.22
Sub-Total for B-1 As Submitted				44.22
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				486.42
C.2				
Total (A.2+B.2) - As Evaluated				-
D.1				
Output per Hour - As Submitted				15.00
D.2				
Output per Hour - As Evaluated				
E.1				
Direct Unit Cost (C.1 + D.1) - As Submitted				32.43
E.2				
Direct Unit Cost (C.2 + D.2) - As Evaluated				
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
F.1				
Materials				
a. Coco Fiber Roll (CGR 200)	m.	1.05	410.00	430.50
Sub-Total for F-1 As Submitted				430.50
Materials				
F.2				
Sub-Total for F-2 As Evaluated				
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				462.93
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				55.55
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1				
Contractor's Profit - As Submitted				37.03
I.2				
Contractor's Profit - As Evaluated				-
J.1				
Value Added Tax - As Submitted				27.78
J.2				
Value Added Tax - As Evaluated				-
K.1				
Total Unit Cost - As Submitted				583.29
K.2				
Total Unit Cost - As Evaluated				-

Prepared by:

Checked/Reviewed


MARK ANTHON P. REBOLLOS
 Engineer II


ISIDRA A. ESTANISLAO
 Engineer IV

Item No./Description : 622(3)a
 Vegetation
 Unit of Measurement : 608.90 sq.m.
 Output per hour -As Submitted : 62.50
 Output per hour -As Evaluated :

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
A.1 Labor				
a. Foreman	1	1	80.95	80.95
b. Unskilled Laborer	2	1	45.16	90.31
Sub-Total for A-1 As Submitted				171.26
Labor				
A.2				
Sub-Total for A-2 As Evaluated				
Name and Capacity	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
B.1 Equipment				
a. Hydroseeding Machine	1	1	952.00	952.00
b. Water Truck/Pump	1	1	2,450.00	2,450.00
Sub-Total for B-1 As Submitted				2,450.00
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1 Total (A.1+B.1) - As Submitted				2,621.26
C.2 Total (A.2+B.2) - As Evaluated				-
D.1 Output per Hour - As Submitted				62.50
D.2 Output per Hour - As Evaluated				
E.1 Direct Unit Cost (C.1 + D.1) - As Submitted				41.94
E.2 Direct Unit Cost (C.2 + D.2) - As Evaluated				
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
F.1 Materials				
a. Vebver grass system	sq.m.	1.05	170.00	178.50
Sub-Total for F-1 As Submitted				178.50
Materials				
F.2				
Sub-Total for F-2 As Evaluated				
G.1 Direct Unit Cost (E.1+F.1) - As Submitted				220.44
G.2 Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1 Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				26.45
H.2 Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1 Contractor's Profit - As Submitted				17.64
I.2 Contractor's Profit - As Evaluated				-
J.1 Value Added Tax - As Submitted				13.23
J.2 Value Added Tax - As Evaluated				-
K.1 Total Unit Cost - As Submitted				277.75
K.2 Total Unit Cost - As Evaluated				-

Prepared by:

Checked/Reviewed


 MARK ANTHON P. REBOLLOS
 Engineer II


 ISIDRA A. ESTANISLAO
 Engineer IV

UNIT COST ANALYSIS FOR HAULING COST FOR PORTLAND CEMENT

TOTAL QUANTITY REQUIREMENTS FOR PORTLAND CEMENT

DESCRIPTION	QUANTITY (Bags)
Construction of Field Office for the Engineer	135.00
Bituminous Conc. Surface Wearing Course, Hot-Laid	-
Portland Cement Concrete Pavement	39,40.15
Portland Cement Concrete Pavement	34,378.62
Structural Concrete, Class "A"	2,223.00
Pipe Culverts	-
Pipe Culverts	84.24
Pipe Culverts	-
Pipe Culverts	-
Catch Basin	-
Concrete Cover	-
Grouted Riprap, Class "A"	84.87
Stone Masonry	332.26
Concrete Curb & Gutter	-
Sidewalk	-
Regulatory Signs (R5-4C)	-
T O T A L	41,178.14

Quantity = **41,178.14** Bags

Delivery Charge = P 0.120 / bag / km.

S I T E	HAULING DISTANCE
Zamboanga City DEO	24.00
Balaching plant	

*Average hauling distance from Source to assumed Stockpiling area :
say 24.00 km.

Delivery Charge = P 0.120 x 24.00
= P **2.88** / bag

*Delivery Truck : 41,178.14 bags. (hauling works)
20,000.00 Kgs. (capacity per haul)
or 500.00 bags. (capacity per haul)

*Capacity of laborers unloading bags of Cement from Delivery Truck :
Assume (10) laborers can unload 500.00 bags of Cement.

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

Speed when loaded	: 30.00	kph
Speed when unloaded	: 40.00	kph
loaded running	= $\frac{24.00}{30.00} \times 60$	= 48.00 mins.
Unloaded running	= $\frac{24.00}{40.00} \times 60$	= 36.00 mins.
Loading and Unloading allowance for delay/traffic	: 45.00	mins.
Capacity of Dumptruck	: 8.00	mins. cum.
	: 500.00	bags
	: 132.00	mins.
Total Cycle time	= $\frac{8.0}{60.00} \times 364$	say 364
No. of tips for Dumptruck per day	= $\frac{132.00}{364}$	
Dumptruck daily output	= 500 x 3.64	= 1,818.18 cum.
Using (3) Dumptrucks	= 3 x 1818.18	= 5,454.55 cum.

- No. of days for Delivery Truck = $\frac{41,178.14}{5,454.55}$ = 7.55 say 7.55 days
- No. of days for labor, for unloading = complimentary to D. Truck days = 7.55 days

UNIT COST ANALYSIS FOR HAULING COST FOR ALL AGGREGATES

Hauling Cost from the Quarry to Batching plant

Item No. : ALL AGGREGATES Terrain : Flat to Rolling
 Quantity : 1,000.00 Unit : cu.m.
 Hauling Distance : 5.00 km.
 Effective Working Hours : 8.00 hrs.

Hauling: Using 10.00 cu.m.capacity Dumptruck

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

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

Speed when loaded : 30.00 kph
 Speed when unloaded : 40.00 kph
 Loaded running = $\frac{5.00 \times 60}{30.00}$ = 10.00 mins.
 Unloaded running = $\frac{5.00 \times 60}{40.00}$ = 7.50 mins.
 Loading and Unloading : 5.00 mins.
 allowance for delay/traffic : 3.00 mins.
 Capacity of Dumptruck : 10.00 cu.m.
 Total Cycle time : 25.50 mins.
 No. of trips for Dumptruck = $\frac{8 \times 60.00}{25.50}$ = 18.82 say 18.82 trips
 per day
 Dumptruck dolly output = 10 x 18.82 = 188.24 cu.m.
 Using (5) Dumptrucks = 5 x 188.24 = 941.18 cu.m.

1. No. of days for Dumptrucks = $\frac{1,000.00}{941.18}$ = 1.06 say 1.06 days

EQUIPMENT USED : (2009 ACEL RATES)

5 - Unit Dumptruck @ P 11,360.00 /day x 1.06 days = P 60,350.00
 Sub - Total P 60,350.00

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

	Hauling Distance	Unit Cost per cu.m./km.	Hauling Cost per cu.m.	Unit Price	Unit Cost per cu.m.
Cost of Fine Aggregates:	19.00 X	12.07 =	229.33 +	1,400.00 =	1,629.33
Cost of Coarse Aggregates:	19.00 X	12.07 =	229.33 +	1,200.00 =	1,429.33
Cost of Item 200 Materials:	19.00 X	12.07 =	229.33 +	680.00 =	909.33
Cost of Item 201 Materials:	19.00 X	12.07 =	229.33 +	680.00 =	909.33
Cost of Item 300 Materials:	19.00 X	12.07 =	229.33 +	698.00 =	927.33
Cost of Boulders:	19.00 X	12.07 =	229.33 +	1,100.00 =	1,329.33
Cost of Embankment, Common Borrow:	5.00 X	12.07 =	60.35 +	328.00 =	388.35

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DELIVERY COST :

41,178.14 - Bags, Portland Cement @ P 288 / bag = P 118,593.03

Sub - Total P 118,593.03

LABOR :

1 - Foreman @ P 611.92 /day x 7.55 days = P 4,619.58
10 - Laborers, unloading @ P 342.24 /day x 7.55 days = P 25,836.81

Sub - Total P 30,456.39

MATERIALS :

41,178.14 - Bags, Portland Cement @ P 300.00 / bag = P 12,353,440.65
(Pick-Up Price) **Sub - Total** P 12,353,440.65

Estimated Quantity 41,178.14 Bags
Unit Cost P 303.62 / Bag, sqy P 304.00 / Bag

Grand Total P 12,502,490.07

Delivery Cost P 118,593.03

Labor P 30,456.39

Materials P 12,353,440.65

12,502,490.07

Name of Project : Construction/Improvement of Access Roads Leading to Declared Tourism Destinations-NRJ Ayala - La Paz Leading to La Paz Resort , Zamboanga City
 Station Limits : 1955+780 - 1958+289.34
 Net Length : 2,509.34 In.m.

Item No.	Description	Quantity	Unit	DURATION # OF DAYS	WEEKS (6 WORKING DAYS)																																																											
					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	51	52	53	54	55	56	57	58	59	60			
L.S.																																																												TOTAL NO. OF WORKING DAYS : 115				
A.1.1(3)	Construction of Field Office for the Engineer	1.00	L.S.	8.00																																																								INCLIMENT WEATHER : 19				
A.1.1(11)	Provision of Provision of Furnitures/Fixtures, Equipment and A	1.00	L.S.	150																																																								NUMBER OF SUNDAYS : 15				
A.1.2(5)	Operation and Maintenance of 4 x 4 Pick-Up Type Service V	5.00	month	150																																																								TOTAL NO. CALENDAR DAYS : 150				
PART B - OTHER GENERAL REQUIREMENTS																																																																
B.4(1)	Construction Survey & Staking	2.51	km.	7.84																																																												
B.5	Project Billboard/Signboard	4.00	each	2.00																																																												
B.7	Occupation Safety & Health	5.00	month	150																																																												
B.9	Mobilization & Demobilization	1.00	L.S.	5.00																																																												
PART C - EARTHWORKS																																																																
101(6)	Removal of Structure/Obstructions	46.86	cu.m.	0.59																																																												
102(2)	Surplus Common Excavation	16,157.15	cu.m.	33.66																																																												
103(1)a	Structure Excavation	468.00	cu.m.	2.93																																																												
103(3)	Foundation Fill	14.95	cu.m.	1.50																																																												
103(6)a	Pipe Culverts and Drain Excavation	252.67	cu.m.	1.58																																																												
104(1)a	Embankment from Roadway Excavation	3,127.07	cu.m.	7.82																																																												
105(1)a	Subgrade Preparation	21,127.76	sq.m	8.80																																																												
PART D - SUBBASE AND BASE COURSE																																																																
200(1)	Aggregate Subbase Course	8,692.82	cu.m.	21.73																																																												
PART E - SURFACE COURSES																																																																
300(1)	Gravel Surface Course	823.82	cu.m.	2.06																																																												
311(1)a	Portland Cement Concrete Pavement	2,755.35	sq.m.	3.21																																																												
311(1)c1	Portland Cement Concrete Pavement	15,698.00	sq.m.	28.03																																																												
PART G - DRAINAGE AND SLOPE PROTECTION STRUCTURES																																																																
404(1)a	Reinforcing Steel, Grade 40	9,466.08	kg.	6.57																																																												
405(1)a3	Structural Concrete, Class "A"	234.00	cu.m.	20.89																																																												
500(1)b3	Pipe Culverts	78.00	ln.m.	9.75																																																												
505(2)a	Grouted Riprap, Class "A"	28.29	cu.m.	2.83																																																												
506(1)	Stone Masonry	60.41	cu.m.	4.72																																																												
PART H - MISCELLANEOUS STRUCTURES																																																																
603(3a1)	Metal Guardrail (Including Post)	320.00	ln.m	9.52																																																												
603(4a)	Metal Beam End Piece	4.00	each	0.08																																																												
612(1)	Reflectorized Thermoplastic Pavement Markings (Whit	584.22	sq.m.	2.92																																																												
612(2)	Reflectorized Thermoplastic Pavement Markings (Yell	255.74	sq.m.	1.28																																																												
622(1)a	Coco-net	609.00	sq.m.	1.52																																																												
622(2)b	Coco-logs/Fascine	80.00	ln.m.	0.67																																																												
622(3)a	Vegetation	608.90	sq.m.	1.22																																																												

Prepared by:


MARK ANTHON P. REBOLLOS
 Engineer II

Submitted by:


SATURNINO C. TORREFRANCA
 District Engineer
 OIC-Chief, Planning and Design Divisor


CAYAMOMBAO D. DEA
 Regional Director