

Republic of the Philippines
Department of Public Works and Highways

Bureau : DPWH
Region : IX
District/City : Zamboanga City

PROGRAM OF WORK

(For all types of Project)

Date : _____

NAME OF PROJECT : Construction/Improvement of Access Roads, Leading to Trades, Industries and Economic Zones - Access Road at Sitio Anuling, Pamucutan to Sta. Rita in Support of High Value Crops (Abaca, Cacao, Rubber and Coffee) Upper La Paz, Zamboanga City LOCATION: Zamboanga City	Appropriation	:	P 125,000,000.00
	Source of Funds	:	CY-2018 GAA
PROJECT CATEGORY :	Issued Obligated Authority	:	
	Released	:	
	Cal. Days to Complete	:	250 Calendar Days
	Desirable Starting Date	:	upon approval
	Mode of Implementation	:	by contract

PROJECT DESCRIPTION : Scope of Work : Road Concreting Road Width : 6.10 m. Roadbed Width : 12.00 m. Subbase Course : 0.30 m. thk. Surface Course : 0.15 m. thk.	Station Limits:		Length	
	I	6+560.00 - 7+840.00		1,280.00
		Net Length:	1,280.00 In.m. /	1.28 km.
		Lane Kilometer:	2.56 km.	

MINIMUM EQUIPMENT REQUIREMENT :				TECHNICAL PERSONNEL REQUIRED :	
Description	No.	Description	No.	Description	No.
Dump Truck	12	Water Pump	1	Project Engineer	1
Transit Mixer	4	Concrete Screeder	1	Materials Engineer	1
Bulldozer	2	Concrete Vibrator	2	Geometric Surveyor	1
Backhoe	3	Concrete Cutter	2	Foreman	1
Road Grader	2	Bar Cutter	1	Materials Lab. Tech.	1
Road Roller	2	Bar Bender	1	Mason	12
Payloader	4	One Bagger Mixer	2	Carpenter	8
Water Truck	2	Batching Plant	1	Laborers (Skilled)	20
Water Tank	2	Plate Compactor	1	Laborers (Unskilled)	30
Kneading Machine	1	Cargo Truck	1	Safety Practitioner	1
Applicator Machine	1				

ESTIMATED COST OF PROPOSED WORK

ITEM NO.	DESCRIPTION	% OF TOTAL	UNIT	QUANTITY	DIRECT COST	
					TOTAL	UNIT COST
PART A - FACILITIES FOR THE ENGINEER						
A.1.1(3)	Construction of Field Office for the Engineer	0.40	L.S.	1.00	389,826.51	389,826.51
A.1.1(11)	Provision of Furnitures/Fixtures, Equipment and Appliances for the Field Office for the Field Engineer	0.31	L.S.	1.00	297,173.33	297,173.33
A.1.2(5)	Operation and Maintenance of 4x4 Pick Up Type Service Vehicle for the Engineer	0.27	month	8.33	264,705.00	31,764.60
PART B - OTHER GENERAL REQUIREMENTS						
B.4(1)	Construction Survey & Staking	0.08	km.	1.28	77,340.79	60,422.50
B.5	Project Billboard/Signboard	0.01	each	2.00	10,809.20	5,404.60
B.7	Occupation Safety and Health Program	0.28	month	8.33	274,050.00	32,886.00
B.9	Mobilization & Demobilization	0.94	L.S.	1.00	909,775.00	909,775.00
PART C - EARTHWORKS						
102(2)	Surplus Common Excavation	57.10	cu.m.	379,054.00	54,980,610.00	145.05
102(3)a	Surplus Rock Excavation	1.33	cu.m.	6,510.00	1,284,713.63	197.34
103(1)a	Structure Excavation	0.27	cu.m.	1,142.00	262,792.07	230.12
103(3)	Foundation Fill	0.01	cu.m.	5.50	9,531.17	1,732.94
103(6)a	Pipe Culverts and Drain Excavation	0.02	cu.m.	85.00	19,559.83	230.12
104(1)a	Embankment from Roadway Excavation	0.20	cu.m.	820.00	189,062.67	230.56
105(1)a	Subgrade Preparation	0.19	sq.m.	11,693.00	186,836.60	15.98

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ITEM NO.	DESCRIPTION	% OF TOTAL	UNIT	QUANTITY	DIRECT COST	
					TOTAL	UNIT COST
PART D - SUBBASE AND BASE COURSE						
200(1)	Aggregate Subbase Course	6.10	cu.m.	4,742.50	5,874,838.27	1,238.76
PART E - SURFACE COURSES						
300(1)	Gravel Surface Course	0.19	cu.m.	141.00	183,583.97	1,302.01
311(1)e1	Portland Cement Concrete Pavement	13.92	sq.m.	8,479.00	13,402,635.08	1,580.69
311(1)a	Portland Cement Concrete Pavement	2.94	sq.m.	3,282.50	2,935,478.08	863.82
PART G - DRAINAGE AND SLOPE PROTECTION STRUCTURES						
404(1)a	Reinforcing Steel Bar, (Grade 40)	0.98	kg	21,513.50	945,919.31	43.97
405(1)a3	Structural Concrete, Class "A"	3.64	cu. m	513.00	3,509,378.22	6,840.89
500(1)b3	Pipe Culverts	0.14	ln.m.	47.00	136,700.63	2,908.52
505(2)a	Grouted Riprap, Class "A"	0.03	cu.m.	8.00	27,090.28	3,386.28
506(1)	Stone Masonry	0.40	cu.m.	95.50	389,848.09	4,082.18
PART H - MISCELLANEOUS STRUCTURES						
622 (1)b	Coco-net	4.60	sq.m.	32,267.00	4,432,967.81	137.38
622 (2)c	Coco-logs/Fascine	1.55	ln.m	2,970.00	1,494,524.39	503.21
622 (3)b	Vegetation	4.05	sq.m.	32,297.00	3,897,035.15	120.66
TOTAL		100.00			P 96,286,785.08	

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Department of Public Works and Highways

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	Source of Funds	:		CY-2018 GAA
	Issued Obligated Authority	:		
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	Net Length:		1,280.00 In.m. /	1.28 km.
	Lane Kilometer:		2.56	km.

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Backhoe	3	Concrete Cutter	2	Foreman	1
Road Grader	2	Bar Cutter	1	Materials Lab. Tech.	1
Road Roller	2	Bar Bender	1	Mason	12
Payloader	4	One Bagger Mixer	2	Carpenter	8
Water Truck	2	Batching Plant	1	Laborers (Skilled)	20
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ESTIMATED COST OF PROPOSED WORK

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B.4(1)	Construction Survey & Staking	0.08	km.	1.28	77,340.79	60,422.50
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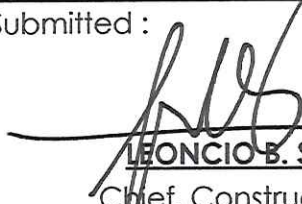
ITEM NO.	DESCRIPTION	% OF TOTAL	UNIT	QUANTITY	DIRECT COST	
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404(1)a	Reinforcing Steel Bar, (Grade 40)	0.98	kg	21,513.50	945,919.31	43.97
405(1)a3	Structural Concrete, Class "A"	3.64	cu. m	513.00	3,509,378.22	6,840.89
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TOTAL		100.00			P 96,286,785.08	

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NAME OF PROJECT : Construction/Improvement of Access Roads, Leading to Trades, Industries and Economic Zones - Access Road at Sitio Anuling, Pamucutan to Sta. Rita in Support of High Value Crops (Abaca, Cacao, Rubber and Coffee) Upper La Paz, Zamboanga City

Zamboanga City

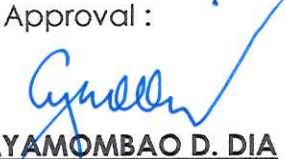
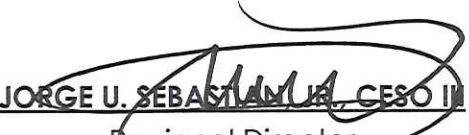
BREAKDOWN OF ESTIMATED EXPENDITURES	% OF TOTAL	AMOUNT
I. ESTIMATED COST		
A. DIRECT COST		
A.1. Labor	2.17	2,717,639.15
A.2. Equipment Expenses	48.35	60,443,313.73
A.3. Materials	26.50	33,125,832.20
SUB-TOTAL (DIRECT COST)	77.03	P 96,286,785.08
B. INDIRECT COST (Per D.O. # 197, s. 2016)		
B.1. Overhead, Contingency & Misc. (10 % Max. of D.C.)	7.56	9,454,108.18
B.2. Profit (8 % Max. of D.C.)	6.09	7,608,984.41
C. VAT (5% of D.C. and I.C. Per D.O. # 197, s. 2016)	4.53	5,667,493.88
SUBTOTAL (CONTRACT COST)	95.21	P 119,017,371.55
II. ESTIMATED GOVERNMENT EXPENDITURES		
1. Engineering and Administrative Overhead (3.5%)	3.50	4,375,000.00
2. Detailed Engineering (1%)		
3. Reserved for the Payment of RROW	0.00	
4. Physical Reserved	1.29	1,607,628.45
TOTAL ESTIMATED PROJECT COST	100.00	P 125,000,000.00

Prepared :  MARK ANTHON P. REBOLLOS Engineer II	Checked :  JERALD R. BARRERA Engineer II
Submitted :  LEONCIO B. SOLAMILLO Chief, Construction Division	Recommending Approval :  CAYAMOMBAO D. DIA Assistant Regional Director
Approved :  JORGE U. SEBASTIAN, JR., CESO III Regional Director	

NAME OF PROJECT : Construction/Improvement of Access Roads, Leading to Trades, Industries and Economic Zones - Access Road at Sitio Anuling, Pamucutan to Sta. Rita in Support of High Value Crops (Abaca, Cacao, Rubber and Coffee) Upper La Paz, Zamboanga City

Zamboanga City

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Prepared :  MARK ANTHON P. REBOLLOS Engineer II	Checked :  JERALD R. BARRERA Engineer II
Submitted :  LEONCIO B. SOLAMILLO Chief, Construction Division	Recommending Approval :  CAYAMOMBAO D. DIA Assistant Regional Director
Approved :  JORGE U. SEBASTIAN, CESO III Regional Director	

APPROVAL SHEET FOR THE CONTRACT

Construction/Improvement of Access Roads, Leading to Trades, Industries and Economic Zones - Access Road at Silo Anuling, Pamucutan to Sta. Rita in Support of High Value Crops (Abaca, Cacao, Rubber and Coffee) Upper
La Paz, Zamboanga City

Stations: 6,540.00 to 7,840.00
0.00 to 0.00

Length: 1,280.00 In.m.

Contract Duration: 250 CD

ITEM NO.	DESCRIPTION	QUANTITY	UNIT	ESTIMATED DIRECT COST	MARK-UPS IN % OCM	PROFIT	%	TOTAL MARK-UPS VALUE	VAT	TOTAL INDIRECT COST	TOTAL COST	UNIT COST
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
								(5) x (8)	35% (9 + 10)	(9) + (10)	(9) + (11)	(12) / (3)
PART A - FACILITIES FOR THE ENGINEER												
A.1.1(3)	Construction of Field Office for the Engineer	1.00	L.S.	389,826.51	10.00	8.00	18.00	70,168.77	22,999.76	93,168.54	482,995.04	482,995.04
A.1.1(11)	Provision of Furnitures/Fixtures, Equipment and Appliances for the Field Office for the Field Engineer	1.00	L.S.	297,173.33	-	8.00	8.00	23,773.87	16,047.36	39,821.23	336,994.56	336,994.56
A.1.2(5)	Operation and Maintenance of 4x4 Pick Up Type Service Vehicle for the Engineer	8.33	month	264,705.00	-	-	-	-	13,235.25	13,235.25	277,940.25	33,352.83
	TOTAL OF PART A			951,704.84				93,942.64	52,282.37	146,225.01	1,097,929.85	
PART B - OTHER GENERAL REQUIREMENTS												
B.4(1)	Construction Survey & Staking	1.28	km.	77,340.79	10.00	8.00	18.00	13,921.34	4,563.11	18,484.45	95,825.24	74,863.47
B.5	Project Billboard/Signboard	2.00	each	10,909.20	10.00	8.00	18.00	1,945.66	637.74	2,583.40	13,392.60	6,696.30
B.7	Occupational Safety and Health Program	8.33	month	274,050.00	-	8.00	8.00	21,924.00	14,798.70	36,722.70	310,772.70	37,292.72
B.9	Mobilization & Demobilization	1.00	L.S.	909,775.00	-	-	-	-	45,488.75	45,488.75	955,263.75	955,263.75
	TOTAL OF PART B			1,271,974.99				37,791.00	65,488.30	103,279.30	1,375,254.29	
PART C - EARTHWORKS												
102(2)	Surplus Common Excavation	379,054.00	c.u.m.	54,980,610.00	10.00	8.00	18.00	9,896,509.80	3,243,855.99	13,140,365.79	68,120,975.79	179.71
102(3)a	Surplus Rock Excavation	6,510.00	c.u.m.	1,284,713.63	10.00	8.00	18.00	231,248.45	75,798.10	307,046.55	1,591,760.18	244.51
103(1)	Structure Excavation	1,142.00	c.u.m.	262,792.07	10.00	8.00	18.00	47,302.57	15,504.73	62,807.31	325,599.38	285.11
103(3)	Foundation Fill	5.50	c.u.m.	9,531.17	10.00	8.00	18.00	1,715.61	562.34	2,277.95	11,809.12	2,147.11
103(6)a	Pipe Culverts and Drain Excavation	85.00	c.u.m.	19,559.83	10.00	8.00	18.00	3,520.77	1,154.03	4,674.80	24,234.63	285.11
104(1)	Embankment from Roadway Excavation	820.00	c.u.m.	189,062.67	10.00	8.00	18.00	34,031.28	11,154.70	45,185.98	234,248.65	285.67
105(1)a	Subgrade Preparation	11,693.00	sq.m.	186,836.60	10.00	8.00	18.00	33,630.59	11,023.36	44,653.95	231,490.55	19.80
	TOTAL OF PART C			56,933,105.97				10,247,959.07	3,359,053.25	13,607,012.33	70,540,118.29	
PART D - SUBBASE AND BASE COURSE												
200(1)	Aggregate Subbase Course	4,742.50	c.u.m.	5,874,838.27	10.00	8.00	18.00	1,057,470.89	346,615.46	1,404,086.35	7,278,924.62	1,534.83
	TOTAL OF PART D			5,874,838.27				1,057,470.89	346,615.46	1,404,086.35	7,278,924.62	
PART E - SURFACE COURSES												
300(1)	Gravel Surface Course	141.00	c.u.m.	183,883.97	10.00	8.00	18.00	33,045.12	10,831.45	43,876.57	227,460.54	1,613.20
311(1)a	Portland Cement Concrete Pavement	8,479.00	sq.m.	13,402,635.08	10.00	8.00	18.00	2,412,474.31	790,755.47	3,203,229.78	16,605,864.86	1,958.47
311(1)b	Portland Cement Concrete Pavement	3,282.50	sq.m.	2,835,478.68	10.00	8.00	18.00	510,386.05	167,293.21	677,679.26	3,513,157.34	1,070.27
	TOTAL OF PART E			16,421,697.13				2,955,905.48	968,880.13	3,924,785.61	20,346,482.75	
PART F - DRAINAGE AND SLOPE PROTECTION STRUCTURES												
404(1)a	Reinforcing Steel Bar, (Grade 40)	21,513.50	kg	945,919.31	10.00	8.00	18.00	170,265.48	55,809.24	226,074.72	1,171,994.03	54.48
405(1)a3	Structural Concrete, Class "A"	513.00	c.u.m.	3,509,376.22	10.00	8.00	18.00	631,488.08	207,033.31	838,741.39	4,348,119.61	8,475.87
500(1)b3	Pipe Culverts	47.00	ln.m.	136,700.43	10.00	8.00	18.00	24,406.11	8,065.34	32,471.45	169,372.08	3,603.66
505(2)a	Grouted Riprap, Class "A"	8.00	c.u.m.	27,090.28	10.00	8.00	18.00	4,876.25	1,598.33	6,474.58	33,564.85	4,195.61
506(1)	Stone Masonry	95.50	c.u.m.	389,848.09	10.00	8.00	18.00	70,172.66	23,001.04	93,173.69	483,021.79	5,057.82
	TOTAL OF PART F			5,008,936.53				901,608.58	295,527.26	1,197,135.83	6,206,072.36	
PART G - MISCELLANEOUS STRUCTURES												
622(1)b	Coco-net	32,267.00	sq.m.	4,432,967.81	10.00	8.00	18.00	797,934.21	261,545.10	1,059,479.31	5,492,447.11	170.22
622(2)c	Coco-log/Fascine	2,970.00	ln.m.	1,494,524.39	10.00	8.00	18.00	269,014.39	88,176.94	357,191.33	1,851,715.72	623.47
622(3)b	Vegetation	32,297.00	sq.m.	3,897,035.15	10.00	8.00	18.00	701,466.33	229,925.07	931,391.40	4,828,426.55	149.50
	TOTAL OF PART G			9,824,527.35				1,768,514.92	579,647.11	2,348,062.04	12,172,589.39	
	TOTAL			94,284,785.08				17,063,092.58	5,667,493.88	22,730,586.47	119,017,371.55	

Prepared by:

Submitted by:

Recommending Approval:

Approved by:

BEILA SAPALILDA
Head, BAC Technical Working Group

ENCIO B. SOLAMILLO
Chief, Construction Division

CAYAMBAG D. DIA
Assistant Regional Director

JORGE U. SEBASTIAN, JR., CESO III
Regional Director

APPROVAL JUDGE FOR THE CONTRACT

Construction/Improvement of Access Roads, Leading to Trades, Industries and Economic Zones - Access Road at Sitio Anuling, Pamuculan to Sta. Rita in Support of High Value Crops (Abaca, Cacao, Rubber and Coffee) Upper
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Stations: 6,540.00 to 7,840.00
0.00 to 0.00

Length: 1,280.00 In.m.

Contract Duration: 250 CD

ITEM NO.	DESCRIPTION	QUANTITY	UNIT	ESTIMATED DIRECT COST	MARK-UPS IN %	PROFIT	%	VALUE	VAT	TOTAL INDIRECT COST	TOTAL COST	UNIT COST
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
								(5) x (8)	35% (5) + (9)	(7) + (10)	(5) + (11)	(12) / (3)
PART A - FACILITIES FOR THE ENGINEER												
A.1.1(3)	Construction of Field Office for the Engineer	1.00	L.S.	389,826.51	10.00	8.00	18.00	70,168.77	22,999.76	93,168.54	482,995.04	482,995.04
A.1.1(11)	Provision of Furniture/Fixtures, Equipment and Appliances for the Field Office for the Field Engineer	1.00	L.S.	297,175.33	-	8.00	8.00	23,775.87	16,047.36	39,823.23	336,994.56	336,994.56
A.1.2(5)	Operation and Maintenance of 4x4 Pick Up Type Service Vehicle for the Engineer	8.33	month	264,705.00	-	-	-	-	13,235.25	13,235.25	277,940.25	33,352.83
TOTAL OF PART A				951,704.84				93,942.64	52,282.37	146,225.01	1,097,929.85	
PART B - OTHER GENERAL REQUIREMENTS												
B.4(1)	Construction Survey & Staking	1.28	km.	77,340.79	10.00	8.00	18.00	13,921.34	4,583.11	18,484.45	95,825.24	74,863.47
B.5	Project Billboard/Signboard	2.00	each	10,809.20	10.00	8.00	18.00	1,945.66	637.74	2,583.40	13,392.60	6,696.30
B.7	Occupation Safety and Health Program	8.33	month	274,050.00	-	8.00	8.00	21,924.00	14,798.70	36,722.70	310,772.70	37,292.72
B.9	Mobilization & Demobilization	1.00	L.S.	909,775.00	-	-	-	-	45,488.75	45,488.75	955,263.75	955,263.75
TOTAL OF PART B				1,271,974.99				37,791.00	65,488.30	103,279.30	1,375,254.29	
PART C - EARTHWORKS												
102(2)	Surplus Common Excavation	379,054.00	cum.	54,980,610.00	10.00	8.00	18.00	9,896,509.80	3,243,855.99	13,140,365.79	68,120,975.79	179.71
102(3)a	Surplus Rock Excavation	6,510.00	cum.	1,284,715.43	10.00	8.00	18.00	231,248.45	75,798.10	307,046.55	1,591,760.18	244.51
103(1)a	Structure Excavation	1,142.00	cum.	262,792.07	10.00	8.00	18.00	47,302.57	15,504.73	62,807.31	325,599.38	285.11
103(3)	Foundation Fill	5.50	cum.	9,531.17	10.00	8.00	18.00	1,715.61	562.34	2,277.95	11,809.12	2,147.11
103(6)a	Pipe Culverts and Drain Excavation	85.00	cum.	19,559.83	10.00	8.00	18.00	3,520.77	1,154.03	4,674.80	24,234.63	285.11
104(1)a	Embankment from Roadway Excavation	820.00	cum.	189,062.67	10.00	8.00	18.00	34,031.28	11,154.70	45,185.98	234,248.65	285.67
105(1)a	Subgrade Preparation	11,693.00	sq.m.	186,836.60	10.00	8.00	18.00	33,630.39	11,023.36	44,653.75	231,490.35	19.80
TOTAL OF PART C				56,933,105.97				10,247,959.07	3,359,053.25	13,607,012.33	70,540,118.29	
PART D - SUBBASE AND BASE COURSE												
200(1)	Aggregate Subbase Course	4,742.50	cum.	5,874,938.27	10.00	8.00	18.00	1,057,470.89	346,615.46	1,404,086.35	7,278,924.62	1,534.83
TOTAL OF PART D				5,874,938.27				1,057,470.89	346,615.46	1,404,086.35	7,278,924.62	
PART E - SURFACE COURSES												
300(1)	Gravel Surface Course	141.00	cum.	193,583.97	10.00	8.00	18.00	33,045.12	10,831.45	43,876.57	227,460.54	1,613.20
311(1)a	Portland Cement Concrete Pavement	8,279.00	sq.m.	13,402,635.08	10.00	8.00	18.00	2,412,474.31	790,755.47	3,203,229.78	16,605,864.86	1,958.47
311(1)a	Portland Cement Concrete Pavement	3,282.50	sq.m.	2,835,478.08	10.00	8.00	18.00	510,386.05	167,293.21	677,679.26	3,513,157.34	1,070.27
TOTAL OF PART E				16,421,697.13				2,955,905.48	968,880.13	3,924,785.61	20,346,482.75	
PART G - DRAINAGE AND SLOPE PROTECTION STRUCTURES												
404(1)a	Reinforcing Steel Bar, (Grade 40)	21,513.50	kg	945,919.31	10.00	8.00	18.00	170,265.48	55,809.24	226,074.72	1,171,994.03	54.48
405(1)a3	Structural Concrete, Class "A"	513.00	cum.	3,509,378.22	10.00	8.00	18.00	631,488.08	207,053.31	838,541.39	4,348,119.61	8,475.87
500(1)b3	Pipe Culverts	47.00	ln.m.	136,700.63	10.00	8.00	18.00	24,406.11	8,065.34	32,471.45	167,372.08	3,603.66
505(2)a	Grouted Riprap, Class "A"	8.00	cum.	27,090.28	10.00	8.00	18.00	4,076.25	1,598.33	5,674.58	33,564.85	4,195.61
506(1)	Stone Masonry	95.50	cum.	359,848.09	10.00	8.00	18.00	70,172.66	23,001.04	93,173.69	483,021.79	5,057.82
TOTAL OF PART G				5,008,936.53				901,608.58	295,527.26	1,197,135.83	6,206,072.36	
PART H - MISCELLANEOUS STRUCTURES												
622(1)b	Coco-net	32,267.00	sq.m.	4,432,967.81	10.00	8.00	18.00	797,994.21	261,545.10	1,059,479.31	5,492,447.11	170.22
622(2)c	Coco-log/Fascine	2,970.00	ln.m.	1,494,524.39	10.00	8.00	18.00	269,014.39	88,176.94	357,191.33	1,851,715.72	623.47
622(3)b	Vegetation	32,297.00	sq.m.	3,897,035.45	10.00	8.00	18.00	701,446.33	229,925.07	931,391.40	4,828,426.55	149.50
TOTAL OF PART H				9,824,527.35				1,768,414.92	579,647.11	2,348,062.04	12,172,589.39	
TOTAL				91,286,785.08				17,063,692.58	5,667,493.88	22,730,586.47	119,017,371.55	

Prepared by:

Submitted by:

Recommending Approval:

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DETAILED UNIT PRICE ANALYSIS

PROJECT NAME: Construction/Improvement of Access Roads, Leading to Trades, Industries and Economic Zones - Access Road at Sitio Anuling, Pamucutan to Sta. Rita in Support of High Value Crops (Abaca, Cacao, Rubber and Coffee) Upper La Paz, Zamboanga City

Item No./Description: A.1.1(3) Construction of Field Office for the Engineer

Unit of Measurement: L.S.

Output per hour: 1.00

Quantity: 7.00 m. x 9.00 m., 1 - Classroom, for Government Field Office

Designation		No. of Persons	No. of Days	Daily Rate	Amount
A.	Labor				
	a. Const. Foreman	1	8.00	611.92	4,895.36
	b. Mason	3	8.00	443.20	10,636.80
	c. Carpenter	3	8.00	443.20	10,636.80
	d. Laborer	6	8.00	342.24	16,427.52
Sub-total for A					P 42,596.48
Name and Capacity		No. of Equipment	No. of Days	Daily Rate	Amount
B.	Equipment, (2014 ACEL Rates)				
	a. One Bagger Mixer	1	6.00	1,376.00	8,256.00
	b. Water Truck	1	1.00	19,600.00	19,600.00
	Minor Tools 10% of Labor				4,259.65
Sub-total for B					P 32,115.65
C.	Total (A+B)				74,712.13
D.	Output/day	- L.S./day			
Name and Specifications		Quantity	Unit	Unit Cost	Amount
E.	Materials				
	I. Earthworks (Excavation, Embankment, Bedding)				
	a. Gravel Bedding	3.50	cu.m.	1,214.82	4,251.87
	b. Selected Fill	10.00	cu.m.	388.35	3,883.50
	c. Soil Poisoning	2.50	L	1,900.00	4,750.00
	II. Concrete Works (Footing, Columns, Beams & Slab on Grade)				
	a. Portland Cement	90.00	bag	285.00	25,650.00
	b. Crushed Gravel	21.00	cu.m.	1,214.82	25,511.22
	c. Washed Sand	18.00	cu.m.	1,214.82	21,866.76
	III. Reinforcing Bars (Footing Columns, Beams, & Slabs on Grade)				
	a. Deformed Round Bar, Grade 40	435.00	kg.	38.00	16,530.00
	b. No. 16 GI Tie Wire	20.00	kg.	80.00	1,600.00
	IV. Formworks (Columns & Beams)				
	a. Coco Lumber	400.00	bd.ft.	24.50	9,800.00
	b. Ordinary Plywood, 1/4"x4'x8'	18.00	pc.	385.00	6,930.00
	c. CWN, Assorted	5.00	kg.	65.00	325.00
	V. Masonry Works (masonry walls & plastering)				
	a. CHB 6" thk	650.00	pc.	16.00	10,400.00
	b. Portland Cement	45.00	bag	285.00	12,825.00
	c. Washed Sand	8.00	cu.m.	1,214.82	9,718.56
	d. 10mm dia. X 6m RSB	65.00	kg.	38.00	2,470.00
	e. No. 16 GI Tie Wire	2.50	kg.	80.00	200.00
	VI. Doors and Windows				
	a. D-1, Hollow Core Flush Type swing door, complete w/ accessories, 0.90mx2.1m	2.00	set	1,765.26	3,530.52
	b. W-1, Jalousie window, 1.4m x 1.2m	2.00	set	924.00	1,848.00
	c. W-2, Jalousie window, 2.8m x 1.2m	2.00	set	1,848.00	3,696.00
Sub-total for E					P 165,786.43
Sub-total for E (I + II + III)					P 315,114.38
F.	Direct Cost (C + E)				389,826.51
G.	Overhead, Contingencies and Miscellaneous		10% per D.O. 197, s. 2016		38,982.65
H.	Contractor's Profit (CP)		8% per D.O. 197, s. 2016		31,186.12
I.	Value Added Tax (VAT)		5% per D.O. 197, s. 2016		22,999.76
J.	Total Unit Cost				482,995.04

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DETAILED UNIT PRICE ANALYSIS

PROJECT NAME: Construction/Improvement of Access Roads, Leading to Trades, Industries and Economic Zones - Access Road at Sitio Anuling, Pamucutan to Sta. Rita in Support of High Value Crops (Abaca, Cacao, Rubber and Coffee) Upper La Paz, Zamboanga City

Item No./Description: A.1.1(3) Bunkhouse, 7.00 m. x 9.00 m.

Unit of Measurement: L.S.

Output per hour: 1.00

Quantity: 1.00

For Government Field Office, fully furnished as shown on plans

Designation		No. of Persons	No. of Days	Daily Rate	Amount
A.	Labor				
Sub-total for A				P	-
Name and Capacity		No. of Equipment	No. of Days	Daily Rate	Amount
B.	Equipment, (2014 ACEL Rates)				-
Sub-total for B				P	-
C.	Total (A+B)				-
D.	Output/day	-	L.S./day		
Name and Specifications		Quantity	Unit	Unit Cost	Amount
E.	Materials				
	VII. Steel Works				
	a. 65 x 65 x 6mm. L	350.00	kg.	48.00	16,800.00
	b. 50 x 50 x 6mm. L	250.00	kg.	48.00	12,000.00
	c. 50 x 50 x 4mm. L	100.00	kg.	48.00	4,800.00
	d. Purlins C- 150 x 50 x 3mm.	18.00	kg.	48.00	864.00
	e. 16mm dia. Cross bracing	35.00	kg.	38.00	1,330.00
	f. 16mm dia. Turn buckle	20.00	pc.	118.00	2,360.00
	g. 12mm thk base plate	25.00	kg.	47.00	1,175.00
	h. 10mm thk batten plate	15.00	kg.	47.00	705.00
	i. 10mm dia. Sag rod	10.00	kg.	38.00	380.00
	j. 20mm dia. X 350 mm anchor bolts	10.00	pc.	36.00	360.00
	k. Welding Rod	15.00	kg.	166.33	2,494.95
	l. Primer, Zinc Chromate	5.00	gal.	531.00	2,655.00
	VIII Roofing Works				
	a. Pre-painted GI Roofing Sheet long span	55.00	sq.m.	420.00	23,100.00
	b. Pre-painted ridge roll ga 24, 0.60m width	10.00	ln.m.	113.00	1,130.00
	c. Pre-painted flashing, ga. 24	2.00	ln.m.	113.00	226.00
	d. Teckscrew 1 1/2"	1,000.00	pc.	1.25	1,250.00
	e. Roof Sealant	2.00	L	250.00	500.00
	IX. Carpentry Works				
	a. Rough Lumber, sun dried tanguile	500.00	bd.ft.	37.00	18,500.00
	b. Plywood, ordinary 1/4" x 4' x 8'	30.00	pc.	385.00	11,550.00
	c. Finishing Nails	5.00	kg.	100.00	500.00
	d. Common Wire Nails	10.00	kg.	65.00	650.00
	e. Wood Preservative Brown	5.00	L	400.00	2,000.00
Sub-total for E				P	105,329.95
F.	Direct Cost (C + E)				
G.	Overhead, Contingencies and Miscellaneous		10% per D.O. 197, s. 2016		
H.	Contractor's Profit (CP)		8% per D.O. 197, s. 2016		
I.	Value Added Tax (VAT)		5% per D.O. 197, s. 2016		
J.	Total Unit Cost				

dk

DETAILED UNIT PRICE ANALYSIS

PROJECT NAME: Construction/Improvement of Access Roads, Leading to Trades, Industries and Economic Zones - Access Road at Sitio Anuling, Pamucutan to Sta. Rita in Support of High Value Crops (Abaca, Cacao, Rubber and Coffee) Upper La Paz, Zamboanga City

Item No./Description: A.1.1(3) Bunkhouse, 7.00 m. x 9.00 m.

Unit of Measurement: L.S.

Output per hour: 1.00

Quantity: 1.00

For Government Field Office, fully furnished as shown on plans

Designation		No. of Persons	No. of Days	Daily Rate	Amount
A.	Labor				
Sub-total for A				P	-
Name and Capacity		No. of Equipment	No. of Days	Daily Rate	Amount
B.	Equipment, (2014 ACEL Rates)				
Sub-total for B				P	-
C.	Total (A+B)				-
D.	Output/day	L.S./day			
Name and Specifications		Quantity	Unit	Unit Cost	Amount
E.	Materials				
	X. Electrical Works				
	a. 2 x 40w Flourescent lighting fixtures	5.00	set	1,030.00	5,150.00
	b. Porcelain Ceiling Outlet w/ female socket	2.00	pc	50.00	100.00
	c. Duplex Convenience outlet	3.00	pc	170.00	510.00
	d. two gang switch	3.00	pc	170.00	510.00
	e. 3.5mm2 thw	3.00	roll	3,600.00	10,800.00
	f. 8.00mm2 thw	25.00	m	70.00	1,750.00
	g. 15mm dia. PVC pipe	20.00	pc	73.00	1,460.00
	h. 15mm dia. PVC Coupling	25.00	pc	5.00	125.00
	i. 15mm dia. PVC Elbow	25.00	pc	26.00	650.00
	j. 15mm dia. PVC Clamp	55.00	pc	8.00	440.00
	k. 20mm dia. RSC Pipe	4.00	pc	240.00	960.00
	l. 20mm dia. RSC Coupling	3.00	pc	9.00	27.00
	m. 20mm dia. RSC elbow	3.00	pc	30.00	90.00
	n. 20mm dia. RSC Clamp	10.00	pc	18.00	180.00
	o. 20mm dia. Service entrance cap	2.00	pc	100.00	200.00
	p. wire holder	2.00	pc	50.00	100.00
	q. utility box	7.00	pc	32.00	224.00
	r. octagonal box	8.00	pc	34.00	272.00
	s. electrical tape (big)	7.00	pc	31.00	217.00
	t. panel board (side main w/ braches)	2.00	set	1,627.00	3,254.00
	XI. Plumbing Works				
	a. Water Closet (include. Fitting & Accessories)	1.00	set	7,375.00	7,375.00
	b. Lavatory (include fitting & Accessories)	1.00	set	6,615.00	6,615.00
	c. 1/2" GI Pipe S-40	2.00	pc	166.00	332.00
	d. 1/2" Water Faucet	2.00	pc	321.00	642.00
	e. 1/2" Assorted Connector	8.00	pc	20.00	160.00
	f. 4" PVC series 1000	1.00	pc	640.00	640.00
	g. 2" PVC series 1000	1.00	pc	305.00	305.00
	h. 4" PVC assorted Connector	6.00	pc	77.00	462.00
	i. 2" PVC assorted Connector	8.00	pc	56.00	448.00
Sub-total for E				P	43,998.00
F.	Direct Cost (C + E)				
G.	Overhead, Contingencies and Miscellaneous	10% per D.O. 197, s. 2016			
H.	Contractor's Profit (CP)	8% per D.O. 197, s. 2016			
I.	Value Added Tax (VAT)	5% per D.O. 197, s. 2016			
J.	Total Unit Cost				

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DETAILED UNIT PRICE ANALYSIS

PROJECT NAME: Construction/Improvement of Access Roads, Leading to Trades, Industries and Economic Zones - Access Road at Sitio Anuling, Pamucutan to Sta. Rita in Support of High Value Crops (Abaca, Cacao, Rubber and Coffee) Upper La Paz, Zamboanga City

Item No./Description: A.1.1(11) Provision of Furnitures/Fixtures, Equipment and Appliances for the Field Office for the Field Engineer

Unit of Measurement: L.S.

Output per hour: 1.00

Quantity: 1.00

Designation		No. of Persons	No. of Days	Daily Rate	Amount
A.	Labor				
Sub-total for A				P	-
Name and Capacity		No. of Equipment	No. of Days	Daily Rate	Amount
B.	Equipment, (2014 ACEL Rates)				
Sub-total for B				P	-
C.	Total (A+B)				-
D.	Output/day	-	L.S./day		
Name and Specifications		Quantity	Unit	Unit Cost	Amount
E.	Materials				
	Office Equipment/Facilities & Supplies				
	Electric Desk Fan	2.00	unit	1,370.00	2,740.00
	Folding Beds, Good Quality	2.00	each	2,700.00	5,400.00
	pillows w/ pillow cases, fitted sheets and blanket	2.00	each	5,000.00	10,000.00
	Double burner gas stove (Gasul)	1.00	unit	3,700.00	3,700.00
	T0 cups Rice Cooker	1.00	unit	2,500.00	2,500.00
	Various Office Supply	1.00	L.S.	45,000.00	45,000.00
	(Folders, Bond Paper, Yellow Pads, Ball Pens, Pencil, Envelopes, etc.)				
	Kitchenware	1.00	L.S.	30,000.00	30,000.00
	(Plates, Spoons & Forks, Glasses, etc.)				
	Dining Table	1.00	set	8,000.00	8,000.00
	Digital Camera	2.00	set	12,000.00	24,000.00
	Cellphone	4.00	set	15,000.00	60,000.00
	Desktop Computer	1.00	set	60,000.00	60,000.00
	Lighting/Water Fixtures				
	a. Electrical Bill	8.33	mos.	3,000.00	25,000.00
	b. Water Bill	8.33	mos.	1,500.00	12,500.00
	c. LPG (1.1 kg)	8.33	mos.	1,000.00	8,333.33
Sub-total for E				P	297,173.33
F.	Direct Cost (C + E)				297,173.33
G.	Overhead, Contingencies and Miscellaneous		per D.O. 197, s. 2016		-
H.	Contractor's Profit (CP)		8% per D.O. 197, s. 2016		23,773.87
I.	Value Added Tax (VAT)		5% per D.O. 197, s. 2016		16,047.36
J.	Total Unit Cost				336,994.56

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DETAILED UNIT PRICE ANALYSIS

PROJECT NAME: Construction/Improvement of Access Roads, Leading to Trades, Industries and Economic Zones - Access Road at Sitio Anuling, Pamucutan to Sta. Rita in Support of High Value Crops (Abaca, Cacao, Rubber and Coffee) Upper La Paz, Zamboanga City

Item No./Description: A.1.2(5) Operation and Maintenance of 4x4 Pick Up Type Service Vehicle for the Engineer

Unit of Measurement: month

Output per hour: 8.33

Quantity: 8.33

Designation		No. of Persons	No. of Days	Daily Rate	Amount
A.	Labor				
	a. Driver	1	250	422.32	105,580.00
Sub-total for A					P 105,580.00
Name and Capacity		No. of Equipment	No. of Months	Monthly Rate	Amount
B.	Equipment, (2014 ACEL Rates)				
Sub-total for B					P -
C.	Total (A+B)				105,580.00
D.	Output/day	-	L.S./day		
Name and Specifications		Quantity	Unit	Unit Cost	Amount
E.	Materials				
	a. Diesel	2,500.00	L	31.00	77,500.00
	b. Spare Parts	1.00	L.S.	40,000.00	40,000.00
	c. Engine Oil & Lubricants	1.00	L.S.	11,625.00	11,625.00
	d. Miscellaneous	1.00	L.S.	30,000.00	30,000.00
Sub-total for E					P 159,125.00
F.	Direct Cost (C + E)				264,705.00
G.	Overhead, Contingencies and Miscellaneous		per D.O. 197, s. 2016		-
H.	Contractor's Profit (CP)		per D.O. 197, s. 2016		-
I.	Value Added Tax (VAT)		5% per D.O. 197, s. 2016		13,235.25
J.	Total Unit Cost				33,352.83

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DETAILED UNIT PRICE ANALYSIS

PROJECT NAME: Construction/Improvement of Access Roads, Leading to Trades, Industries and Economic Zones - Access Road at Sitio Anuling, Pamucutan to Sta. Rita in Support of High Value Crops (Abaca, Cacao, Rubber and Coffee) Upper La Paz, Zamboanga City

Item No./Description: B.4(1) Construction Survey & Staking

Unit of Measurement: km.

Output per hour: 0.04

Quantity: 1.280

Designation		No. of Persons	No. of Days	Daily Rate	Amount
A.	Labor				
	For Field Works				
	a. Geodetic Engineer	1	4.00	833.31	3,333.24
	b. Skilled Laborer	3	4.00	443.20	5,318.40
	c. Laborer	3	4.00	342.24	4,106.88
	For Office Works				
	a. Geodetic Engineer	1	12.00	833.31	9,999.72
	b. Skilled Laborer	2	12.00	443.20	10,636.80
Sub-total for A				P	33,395.04
Name and Capacity		No. of Equipment	No. of Days	Daily Rate	Amount
B.	Equipment, (2014 ACEL Rates)				
	a. Total Station w/ complete accessories	1	4.00	800.00	3,200.00
	Minor Tools 10% of Labor				3,339.50
Sub-total for B				P	6,539.50
C.	Total (A+B)				39,934.54
D.	Output/day	0.32	km./day		
Name and Specifications		Quantity	Unit	Unit Cost	Amount
E.	Materials				
	a. Standard Stake Plan (800 mm x 910 mm)	75.00	pc	400.00	30,000.00
	b. Blue Printing	375.00	pc	15.00	5,625.00
	Miscellaneous 5% of Materials Cost				1,781.25
Sub-total for E				P	37,406.25
F.	Direct Cost (C + E)				77,340.79
G.	Overhead, Contingencies and Miscellaneous		10% per D.O. 197, s. 2016		7,734.08
H.	Contractor's Profit (CP)		8% per D.O. 197, s. 2016		6,187.26
I.	Value Added Tax (VAT)		5% per D.O. 197, s. 2016		4,563.11
J.	Total Unit Cost				74,863.47

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DETAILED UNIT PRICE ANALYSIS

PROJECT NAME: Construction/Improvement of Access Roads, Leading to Trades, Industries and Economic Zones - Access Road at Sitio Anuling, Pamucutan to Sta. Rita in Support of High Value Crops (Abaca, Cacao, Rubber and Coffee) Upper La Paz, Zamboanga City

Item No./Description: B.5 Project Billboard/Signboard

Unit of Measurement: each

Output per hour: 2.00

Quantity: 2.00

Per D.O. 141, s. 2016

Designation		No. of Persons	No. of Days	Daily Rate	Amount
A.	Labor				
	a. Const. Foreman	1	2.00	611.92	1,223.84
	b. Skilled Labor	1	2.00	443.20	886.40
	c. Unskilled Labor	2	2.00	342.24	1,368.96
Sub-total for A					P 3,479.20
Name and Capacity		No. of Equipment	No. of Days	Daily Rate	Amount
B.	Equipment, (2014 ACEL Rates)				
Sub-total for B					P -
C.	Total (A+B)				3,479.20
D.	Output/day	- each/day			
Name and Specifications		Quantity	Unit	Unit Cost	Amount
E.	Materials				
	a. Ordinary Plywood 1/2" thk. x 4' x 8'	2.00	pc.	750.00	1,500.00
	b. Tarpaulin (4' x 8')	2.00	pc.	1,000.00	2,000.00
	c. Assorted Lumber	100.00	bd.ft.	37.00	3,700.00
	d. Assorted CW Nails	2.00	kg.	65.00	130.00
Sub-total for E					P 7,330.00
F.	Direct Cost (C + E)				10,809.20
G.	Overhead, Contingencies and Miscellaneous		10% per D.O. 197, s. 2016		1,080.92
H.	Contractor's Profit (CP)		8% per D.O. 197, s. 2016		864.74
I.	Value Added Tax (VAT)		5% per D.O. 197, s. 2016		637.74
J.	Total Unit Cost				6,696.30

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DETAILED UNIT PRICE ANALYSIS

PROJECT NAME: Construction/Improvement of Access Roads, Leading to Trades, Industries and Economic Zones - Access Road at Sitio Anuling, Pamucutan to Sta. Rita in Support of High Value Crops (Abaca, Cacao, Rubber and Coffee) Upper La Paz, Zamboanga City

Item No./Description: B.7 Occupation Safety and Health Program

Unit of Measurement: month

Output per hour: 8.33

Quantity: 8.33

Designation		No. of Persons	No. of Days	Daily Rate	Amount
A.	Labor				
	a. Safety Practioner	1	125.00	611.92	76,490.00
	b. First Aider	1	250.00	443.20	110,800.00
Sub-total for A					P 187,290.00
Name and Capacity		No. of Equipment	No. of Days	Daily Rate	Amount
B.	Equipment, (2014 ACEL Rates)				
	a. Warning Signs and Barricades				60,000.00
Sub-total for B					P 60,000.00
C.	Total (A+B)				247,290.00
D.	Output/day	-	L.S./day		
Name and Specifications		Quantity	Unit	Unit Cost	Amount
E.	Materials				
	a. Rubber Boots (Long w/ steel toe, Black)	24.00	pair	400.00	9,600.00
	b. Working Gloves (Maong Material)	24.00	pair	15.00	360.00
	c. Rain Coats (Reinforced, Hip Length)	24.00	pc.	100.00	2,400.00
	d. Safety Hats	24.00	pc.	600.00	14,400.00
Sub-total for E					P 26,760.00
F.	Direct Cost (C + E)				274,050.00
G.	Overhead, Contingencies and Miscellaneous	per D.O. 197, s. 2016			-
H.	Contractor's Profit(CP)	8% per D.O. 197, s. 2016			21,924.00
I.	Value Added Tax (VAT)	5% per D.O. 197, s. 2016			14,798.70
J.	Total Unit Cost				37,292.72

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DETAILED UNIT PRICE ANALYSIS

PROJECT NAME: Construction/Improvement of Access Roads, Leading to Trades, Industries and Economic Zones - Access Road at Sitio Anuling, Pamucutan to Sta. Rita in Support of High Value Crops (Abaca, Cacao, Rubber and Coffee) Upper La Paz, Zamboanga City

Item No./Description: B.9 Mobilization & Demobilization

Unit of Measurement: L.S.

Output per hour: 1.00

Quantity: 1.00

Designation		No. of Persons	No. of Days	Daily Rate	Amount
A.	Labor				
Sub-total for A				P	-
Name and Capacity		No. of Equipment	No. of Days	Daily Rate	Amount
B.	Equipment, (2014 ACEL Rates)				
	a. Low Bed Trailer	1	5.00	34,043.00	170,215.00
	b. Water Truck	1	5.00	19,600.00	98,000.00
	c. Backhoe	2	5.00	12,296.00	122,960.00
	d. Bulldozer	1	5.00	27,032.00	135,160.00
	e. Dumptruck	4	5.00	11,360.00	227,200.00
	f. Payloader	1	5.00	13,864.00	69,320.00
	g. Grader	1	5.00	17,384.00	86,920.00
Sub-total for B				P	909,775.00
C.	Total (A+B)				909,775.00
D.	Output/day	- L.S./day			
Name and Specifications		Quantity	Unit	Unit Cost	Amount
E.	Materials				
Sub-total for E				P	-
F.	Direct Cost (C + E)				909,775.00
G.	Overhead, Contingencies and Miscellaneous			per D.O. 197, s. 2016	-
H.	Contractor's Profit (CP)			per D.O. 197, s. 2016	-
I.	Value Added Tax (VAT)			5% per D.O. 197, s. 2016	45,488.75
J.	Total Unit Cost				955,263.75

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DETAILED UNIT PRICE ANALYSIS

PROJECT NAME: Construction/Improvement of Access Roads, Leading to Trades, Industries and Economic Zones - Access Road at Sitio Anuling, Pamucutan to Sta. Rita in Support of High Value Crops (Abaca, Cacao, Rubber and Coffee) Upper La Paz, Zamboanga City

Item No./Description: 102(2) Surplus Common Excavation

Unit of Measurement: cu.m.

Output per hour: 320.00

Quantity: 379,054.00 For Disposal

Designation		No. of Persons	No. of Days	Daily Rate	Amount
A.	Labor				
	a. Const. Foreman	1	148.07	611.92	90,605.75
	b. Leadman	4	148.07	561.36	332,477.74
	c. Unskilled Labor	8	148.07	342.24	405,398.25
	use quadruple gang of labor & equipment				
Sub-total for A					P 828,481.74
Name and Capacity		No. of Equipment	No. of Days	Daily Rate	Amount
B.	Equipment, (2014 ACEL Rates)				
	a. Bulldozer, D6H SERIES II PSDS/DD	4	148.07	27,032.00	16,010,293.33
	b. Payloader (1.50 cu.m.)	4	148.07	13,864.00	8,211,257.28
	c. Payloader (1.50 cu.m.) - disposal site	4	44.42	13,864.00	2,463,377.18
	d. Dump Truck (12 cu. yd)	12	148.07	11,360.00	20,184,625.50
	e. Backhoe (0.80)	4	148.07	12,296.00	7,282,574.98
Sub-total for B					P 54,152,128.26
C.	Total (A+B)				54,980,610.00
D.	Output/day	2,560.00	cu.m./day		
Name and Specifications		Quantity	Unit	Unit Cost	Amount
E.	Materials				
Sub-total for E					P -
F.	Direct Cost (C + E)				54,980,610.00
G.	Overhead, Contingencies and Miscellaneous		10% per D.O. 197, s. 2016		5,498,061.00
H.	Contractor's Profit (CP)		8% per D.O. 197, s. 2016		4,398,448.80
I.	Value Added Tax (VAT)		5% per D.O. 197, s. 2016		3,243,855.99
J.	Total Unit Cost				179.71

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DETAILED UNIT PRICE ANALYSIS

PROJECT NAME: Construction/Improvement of Access Roads, Leading to Trades, Industries and Economic Zones - Access Road at Sitio Anuling, Pamucutan to Sta. Rita in Support of High Value Crops (Abaca, Cacao, Rubber and Coffee) Upper La Paz, Zamboanga City

Item No./Description: 102(3)a Surplus Rock Excavation

Unit of Measurement: cu.m.

Output per hour: 56.00

Quantity: 6,510.00 *Rippable, for disposal*

Designation		No. of Persons	No. of Days	Daily Rate	Amount
A.	Labor				
	a. Const. Foreman	1	14.53	611.92	8,891.96
	c. Unskilled Labor	2	14.53	342.24	9,946.35
Sub-total for A					P 18,838.31
Name and Capacity		No. of Equipment	No. of Days	Daily Rate	Amount
B.	Equipment, (2014 ACEL Rates)				
	a. Buylldozer w/ Ripper, D6H SERIES II PSDS/DD	1	14.53	31,080.00	451,631.25
	b. Payloader (1.50 cu.m.)	1	14.53	13,864.00	201,461.25
	c. Payloader (1.50 cu.m.) - disposal site	1	3.63	13,864.00	50,365.31
	d. Dump Truck (12 cu. yd)	2	14.53	11,360.00	330,150.00
	e. Backhoe (0.80) w/ attachment	1	14.53	15,984.00	232,267.50
Sub-total for B					P 1,265,875.31
C.	Total (A+B)				1,284,713.63
D.	Output/day	448.00	cu.m./day		
Name and Specifications		Quantity	Unit	Unit Cost	Amount
E.	Materials				
Sub-total for E					P -
F.	Direct Cost (C + E)				1,284,713.63
G.	Overhead, Contingencies and Miscellaneous		10% per D.O. 197, s. 2016		128,471.36
H.	Contractor's Profit (CP)		8% per D.O. 197, s. 2016		102,777.09
I.	Value Added Tax (VAT)		5% per D.O. 197, s. 2016		75,798.10
J.	Total Unit Cost				244.51

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DETAILED UNIT PRICE ANALYSIS

PROJECT NAME: Construction/Improvement of Access Roads, Leading to Trades, Industries and Economic Zones - Access Road at Sitio Anuling, Pamucutan to Sta. Rita in Support of High Value Crops (Abaca, Cacao, Rubber and Coffee) Upper La Paz, Zamboanga City

Item No./Description: 103(1)a Structure Excavation

Unit of Measurement: cu.m.

Output per hour: 20.00

Quantity: 1,142.00 For lined canal

Designation		No. of Persons	No. of Days	Daily Rate	Amount
A.	Labor				
	a. Const. Foreman	1	7.14	611.92	4,367.58
	c. Unskilled Labor	3	7.14	342.24	7,328.21
Sub-total for A					P 11,695.79
Name and Capacity		No. of Equipment	No. of Days	Daily Rate	Amount
B.	Equipment, (2014 ACEL Rates)				
	d. Dump Truck (12 cu. yd)	2	7.14	11,360.00	162,164.00
	e. Backhoe (0.80)	1	7.14	12,296.00	87,762.70
	Minor Tools 10% of Labor Cost				1,169.58
Sub-total for B					P 251,096.28
C.	Total (A+B)				262,792.07
D.	Output/day	160.00	cu.m./day		
Name and Specifications		Quantity	Unit	Unit Cost	Amount
E.	Materials				
Sub-total for E					P -
F.	Direct Cost (C + E)				262,792.07
G.	Overhead, Contingencies and Miscellaneous		10% per D.O. 197, s. 2016		26,279.21
H.	Contractor's Profit (CP)		8% per D.O. 197, s. 2016		21,023.37
I.	Value Added Tax (VAT)		5% per D.O. 197, s. 2016		15,504.73
J.	Total Unit Cost				285.11

DETAILED UNIT PRICE ANALYSIS

PROJECT NAME: Construction/Improvement of Access Roads, Leading to Trades, Industries and Economic Zones - Access Road at Sitio Anuling, Pamucutan to Sta. Rita in Support of High Value Crops (Abaca, Cacao, Rubber and Coffee) Upper La Paz, Zamboanga City

Item No./Description: 103(3) Foundation Fill

Unit of Measurement: cu.m.

Output per hour: 1.25

Quantity: 5.50 For RCPC beddings

Designation		No. of Persons	No. of Days	Daily Rate	Amount
A.	Labor				
	a. Const. Foreman	1	0.55	611.92	336.56
	b. Unskilled Labor	4	0.55	342.24	752.93
Sub-total for A				P	1,089.48
Name and Capacity		No. of Equipment	No. of Days	Daily Rate	Amount
B.	Equipment, (2014 ACEL Rates)				
	a. Plate Compactor (5 hp)	1	0.55	984.00	541.20
	b. Water Truck/Pump (16000 L)	1	0.01	19,600.00	107.80
	Minor Tools 10% of Labor Cost				108.95
Sub-total for B				P	757.95
C.	Total (A+B)				1,847.43
D.	Output/day	10.00	cu.m./day		
Name and Specifications		Quantity	Unit	Unit Cost	Amount
E.	Materials				
	a. Filling Materials (well-graded sand)	6.33	cu.m.	1,214.82	7,683.74
Sub-total for E				P	7,683.74
F.	Direct Cost (C + E)				9,531.17
G.	Overhead, Contingencies and Miscellaneous		10% per D.O. 197, s. 2016		953.12
H.	Contractor's Profit (CP)		8% per D.O. 197, s. 2016		762.49
I.	Value Added Tax (VAT)		5% per D.O. 197, s. 2016		562.34
J.	Total Unit Cost				2,147.11

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DETAILED UNIT PRICE ANALYSIS

PROJECT NAME: Construction/Improvement of Access Roads, Leading to Trades, Industries and Economic Zones - Access Road at Sitio Anuling, Pamucutan to Sta. Rita in Support of High Value Crops (Abaca, Cacao, Rubber and Coffee) Upper La Paz, Zamboanga City

Item No./Description: 103(6)a Pipe Culverts and Drain Excavation

Unit of Measurement: cu.m.

Output per hour: 20.00

Quantity: 85.00 For RCPC Excavation

Designation		No. of Persons	No. of Days	Daily Rate	Amount
A.	Labor				
	a. Const. Foreman	1	0.53	611.92	325.08
	b. Unskilled Labor	3	0.53	342.24	545.45
Sub-total for A				P	870.53
Name and Capacity		No. of Equipment	No. of Days	Daily Rate	Amount
B.	Equipment, (2014 ACEL Rates)				
	a. Dump Truck (12 cu.yd.)	2	0.53	11,360.00	12,070.00
	b. Backhoe (0.80 cu.m.)	1	0.53	12,296.00	6,532.25
	Minor Tools 10% of Labor Cost				87.05
Sub-total for B				P	18,689.30
C.	Total (A+B)				19,559.83
D.	Output/day	160.00	cu.m./day		
Name and Specifications		Quantity	Unit	Unit Cost	Amount
E.	Materials				
Sub-total for E				P	-
F.	Direct Cost (C + E)				19,559.83
G.	Overhead, Contingencies and Miscellaneous		10% per D.O. 197, s. 2016		1,955.98
H.	Contractor's Profit (CP)		8% per D.O. 197, s. 2016		1,564.79
I.	Value Added Tax (VAT)		5% per D.O. 197, s. 2016		1,154.03
J.	Total Unit Cost				285.11

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DETAILED UNIT PRICE ANALYSIS

PROJECT NAME: Construction/Improvement of Access Roads, Leading to Trades, Industries and Economic Zones - Access Road at Sitio Anuling, Pamucutan to Sta. Rita in Support of High Value Crops (Abaca, Cacao, Rubber and Coffee) Upper La Paz, Zamboanga City

Item No./Description: 104(1)a Embankment from Roadway Excavation

Unit of Measurement: cu.m.

Output per hour: 50.00

Quantity: 820.00 Compacted Volume

Designation		No. of Persons	No. of Days	Daily Rate	Amount
A.	Labor				
	For Excavation Work				
	a. Const. Foreman	1	1.70	611.92	1,041.18
	c. Unskilled Laborer	2	1.70	342.24	1,164.64
	Spreading and Compaction				
	a. Const. Foreman	1	2.05	611.92	1,254.44
	c. Unskilled Laborer	2	2.05	342.24	1,403.18
Sub-total for A					P 4,863.44
Name and Capacity		No. of Equipment	No. of Days	Daily Rate	Amount
B.	Equipment, (2014 ACEL Rates)				
	For Excavation Work				
	a. Bulldozer, D6H Series II PSDS/DD	1	1.70	27,032.00	45,994.95
	b. Payloader (1.50 cu.m.)	1	1.70	13,864.00	23,589.60
	c. Dump Truck (12 cu.yd.)	2	1.70	11,360.00	38,658.08
	Spreading and Compaction				
	a. Motorized Road Grader (140 hp), G170A	1	2.05	17,384.00	35,637.20
	b. Vibratory Roller (10 mt), SD100C	1	2.05	14,768.00	30,274.40
	c. Water Truck/Pump (16000 L)	1	0.51	19,600.00	10,045.00
Sub-total for B					P 184,199.22
C.	Total (A+B)				189,062.67
D.	Output/day	400.00	cu.m./day		
Name and Specifications		Quantity	Unit	Unit Cost	Amount
E.	Materials				
Sub-total for E					P -
F.	Direct Cost (C + E)				189,062.67
G.	Overhead, Contingencies and Miscellaneous		10% per D.O. 197, s. 2016		18,906.27
H.	Contractor's Profit (CP)		8% per D.O. 197, s. 2016		15,125.01
I.	Value Added Tax (VAT)		5% per D.O. 197, s. 2016		11,154.70
J.	Total Unit Cost				285.67

DETAILED UNIT PRICE ANALYSIS

PROJECT NAME: Construction/Improvement of Access Roads, Leading to Trades, Industries and Economic Zones - Access Road at Sitio Anuling, Pamucutan to Sta. Rita in Support of High Value Crops (Abaca, Cacao, Rubber and Coffee) Upper La Paz, Zamboanga City

Item No./Description: 105(1)a Subgrade Preparation

Unit of Measurement: sq.m.

Output per hour: 300.00

Quantity: 11,693.00 Variable Width

Designation		No. of Persons	No. of Days	Daily Rate	Amount
A.	Labor				
	a. Const. Foreman	1	4.87	611.92	2,981.33
	b. Unskilled Laborer	2	4.87	342.24	3,334.84
Sub-total for A					P 6,316.17
Name and Capacity		No. of Equipment	No. of Days	Daily Rate	Amount
B.	Equipment, (2014 ACEL Rates)				
	a. Motorized Road Grader (140 hp), G710A	1	4.87	17,384.00	84,696.30
	b. Vibratory Roller (10 mt), SD100DC	1	4.87	14,768.00	71,950.93
	c. Water Truck/Pump (16000 L)	1	1.22	19,600.00	23,873.21
Sub-total for B					P 180,520.43
C.	Total (A+B)				186,836.60
D.	Output/day	2,400.00	sq.m./day		
Name and Specifications		Quantity	Unit	Unit Cost	Amount
E.	Materials				
Sub-total for E					P -
F.	Direct Cost (C + E)				186,836.60
G.	Overhead, Contingencies and Miscellaneous		10% per D.O. 197, s. 2016		18,683.66
H.	Contractor's Profit (CP)		8% per D.O. 197, s. 2016		14,946.93
I.	Value Added Tax (VAT)		5% per D.O. 197, s. 2016		11,023.36
J.	Total Unit Cost				19.80

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DETAILED UNIT PRICE ANALYSIS

PROJECT NAME: Construction/Improvement of Access Roads, Leading to Trades, Industries and Economic Zones - Access Road at Sitio Anuling, Pamucutan to Sta. Rita in Support of High Value Crops (Abaca, Cacao, Rubber and Coffee) Upper La Paz, Zamboanaa City

Item No./Description: 200(1) Aggregate Subbase Course

Unit of Measurement: cu.m.

Output per hour: 50.00

Quantity: 4,742.50 0.30 m. thk. (min.), Compacted Volume

Designation		No. of Persons	No. of Days	Daily Rate	Amount
A.	Labor				
	a. Const. Foreman	1	11.86	611.92	7,255.08
	b. Unskilled Labor	2	11.86	342.24	8,115.37
Sub-total for A					P 15,370.44
Name and Capacity		No. of Equipment	No. of Days	Daily Rate	Amount
B.	Equipment, (2014 ACEL Rates)				
	a. Motorized Road Grader (140 hp), G710A	1	11.86	17,384.00	206,109.05
	b. Vibratory Roller (10 mt), SD100DC	1	11.86	14,768.00	175,093.10
	c. Water Truck/Pump (16000 L)	1	2.96	19,600.00	58,095.63
Sub-total for B					P 439,297.78
C.	Total (A+B)				454,668.22
D.	Output/day	400.00	cu.m./day		
Name and Specifications		Quantity	Unit	Unit Cost	Amount
E.	Materials				
	a. Aggregate Subbase Course (w/ 15% Shrinkage Factor)	5,453.88	cu.m.	993.82	5,420,170.05
Sub-total for E					P 5,420,170.05
F.	Direct Cost (C + E)				5,874,838.27
G.	Overhead, Contingencies and Miscellaneous		10% per D.O. 197, s. 2016		587,483.83
H.	Contractor's Profit (CP)		8% per D.O. 197, s. 2016		469,987.06
I.	Value Added Tax (VAT)		5% per D.O. 197, s. 2016		346,615.46
J.	Total Unit Cost				1,534.83

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DETAILED UNIT PRICE ANALYSIS

PROJECT NAME: Construction/Improvement of Access Roads, Leading to Trades, Industries and Economic Zones - Access Road at Sitio Anuling, Pamucutan to Sta. Rita in Support of High Value Crops (Abaca, Cacao, Rubber and Coffee) Upper La Paz, Zamboanga City

Item No./Description: 300(1) Gravel Surface Course

Unit of Measurement: cu.m.

Output per hour: 50.00

Quantity: 141.00

0.15 m. thk. For shouldering, Compacted Volume

Designation		No. of Persons	No. of Days	Daily Rate	Amount
A.	Labor				
	a. Const. Foreman	1	0.35	611.92	215.70
	b. Unskilled Labor	2	0.35	342.24	241.28
Sub-total for A					P 456.98
Name and Capacity		No. of Equipment	No. of Days	Daily Rate	Amount
B.	Equipment, (2014 ACEL Rates)				
	a. Motorized Road Grader (140 hp), G710A	1	0.35	17,384.00	6,127.86
	b. Vibratory Roller (10 mt), SD100DC	1	0.35	14,768.00	5,205.72
	c. Water Truck/Pump (16000 L)	1	0.09	19,600.00	1,727.25
Sub-total for B					P 13,060.83
C.	Total (A+B)				13,517.81
D.	Output/day	400.00	cu.m./day		
Name and Specifications		Quantity	Unit	Unit Cost	Amount
E.	Materials				
	a. Uncrushed Aggregate Surface Course (w/ 15% Shrinkage Factor)	162.15	cu.m.	1,048.82	170,066.16
Sub-total for E					P 170,066.16
F.	Direct Cost (C + E)				183,583.97
G.	Overhead, Contingencies and Miscellaneous		10% per D.O. 197, s. 2016		18,358.40
H.	Contractor's Profit (CP)		8% per D.O. 197, s. 2016		14,686.72
I.	Value Added Tax (VAT)		5% per D.O. 197, s. 2016		10,831.45
J.	Total Unit Cost				1,613.20

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DETAILED UNIT PRICE ANALYSIS

PROJECT NAME: Construction/Improvement of Access Roads, Leading to Trades, Industries and Economic Zones - Access Road at Sitio Anuling, Pamucutan to Sta. Rita in Support of High Value Crops (Abaca, Cacao, Rubber and Coffee) Upper La Paz, Zamboanga City

Item No./Description: 311(1)e1 Portland Cement Concrete Pavement

Unit of Measurement: sq.m.

Output per hour: 57.50

Quantity: 8,479.00

0.28 m. thick, includes widening (width = 6.10 m.)

Designation		No. of Persons	No. of Days	Daily Rate	Amount
A.	Labor				
	a. Const. Foreman	1	18.43	611.92	11,279.28
	b. Skilled Labor	4	18.43	443.20	32,677.33
	c. Unskilled Labor	12	18.43	342.24	75,700.51
Sub-total for A					P 119,657.12
Name and Capacity		No. of Equipment	No. of Days	Daily Rate	Amount
B.	Equipment, (2014 ACEL Rates)				
	a. Transit Mixer (5 cu.m.)	4	18.43	10,544.00	777,413.70
	b. Concrete Vibrator	2	18.43	730.00	26,911.61
	c. Concrete Batch Plant (30 cu.m.)	1	18.43	14,076.00	259,457.40
	d. Payloader (1.50 cu.m.), LX80-2C	1	18.43	13,864.00	255,549.69
	e. Concrete Screeder (5.5 hp)	1	18.43	4,360.00	80,366.17
	f. Water truck/Pump (16000 L)	1	18.43	19,600.00	361,279.13
	g. Concrete Saw (7.5 hp), 14" Blade Ø	1	18.43	261.04	4,811.65
	h. Bar Cutter, Single Phase	1	1.84	1,758.00	3,240.45
	Minor Tools 5% of Labor				5,982.86
Sub-total for B					P 1,775,012.66
C.	Total (A+B)				1,894,669.78
D.	Output/day	460.00	sq.m./day		
Name and Specifications		Quantity	Unit	Unit Cost	Amount
E.	Materials				
	a. Reinforcing Steel Bar	4,239.50	kg.	38.00	161,101.00
	b. Curing Compound	2,458.91	L	35.00	86,061.85
	c. Asphalt Sealant	1,441.43	L	100.00	144,143.00
	d. Steel Forms (Rental)	3,900.34	m	52.00	202,817.68
	e. Sand	1,305.77	cu.m.	1,214.82	1,586,270.65
	f. Gravel	2,374.12	cu.m.	1,214.82	2,884,128.46
	g. Cement	22,554.14	bag	285.00	6,427,929.90
	h. Concrete Saw (Diamond Blade 14" Ø)	1.27	pc.	2,500.00	3,179.63
	i. Pipe Sleeve, 2" Ø	66.14	m.	61.00	4,034.31
	j. Grease/Tar	73.77	L	112.50	8,298.82
Sub-total for E					P 11,507,965.29
F.	Direct Cost (C + E)				13,402,635.08
G.	Overhead, Contingencies and Miscellaneous		10% per D.O. 197, s. 2016		1,340,263.51
H.	Contractor's Profit (CP)		8% per D.O. 197, s. 2016		1,072,210.81
I.	Value Added Tax (VAT)		5% per D.O. 197, s. 2016		790,755.47
J.	Total Unit Cost				1,958.47

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DETAILED UNIT PRICE ANALYSIS

PROJECT NAME: Construction/Improvement of Access Roads, Leading to Trades, Industries and Economic Zones - Access Road at Sitio Anuling, Pamucutan to Sta. Rita in Support of High Value Crops (Abaca, Cacao, Rubber and Coffee) Upper La Paz, Zamboanga City

Item No./Description: 311(1)a Portland Cement Concrete Pavement

Unit of Measurement: sq.m.

Output per hour: 107.33

Quantity: 3,282.50 0.15m. thick for shouldering

Designation		No. of Persons	No. of Days	Daily Rate	Amount
A.	Labor				
	a. Const. Foreman	1	3.82	611.92	2,339.31
	b. Skilled Labor	4	3.82	443.20	6,777.25
	c. Unskilled Labor	12	3.82	342.24	15,700.22
Sub-total for A					P 24,816.78
Name and Capacity		No. of Equipment	No. of Days	Daily Rate	Amount
B.	Equipment, (2014 ACEL Rates)				
	a. Transit Mixer (5 cu.m.)	4	3.82	10,544.00	161,234.88
	b. Concrete Vibrator	2	3.82	730.00	5,581.44
	c. Concrete Batch Plant (30 cu.m.)	1	3.82	14,076.00	53,811.22
	d. Payloader (1.50 cu.m.), LX80-2C	1	3.82	13,864.00	53,000.77
	e. Concrete Screeder (5.5 hp)	1	3.82	4,360.00	16,667.87
	f. Water truck/Pump (16000 L)	1	3.82	19,600.00	74,928.96
	g. Concrete Saw (7.5 hp), 14" Blade Ø	1	3.82	261.04	997.93
	h. Bar Cutter, Single Phase	1	0.38	1,758.00	672.07
	Minor Tools 5% of Labor				1,240.84
Sub-total for B					P 368,135.98
C.	Total (A+B)				392,952.76
D.	Output/day	858.64	sq.m./day		
Name and Specifications		Quantity	Unit	Unit Cost	Amount
E.	Materials				
	a. Reinforcing Steel Bar	1,083.23	kg.	38.00	41,162.55
	b. Curing Compound	951.93	L	35.00	33,317.38
	c. Asphalt Sealant	393.90	L	100.00	39,390.00
	d. Steel Forms (Rental)	1,509.95	m	40.00	60,398.00
	e. Sand	270.81	cu.m.	1,214.82	328,980.85
	f. Gravel	492.38	cu.m.	1,214.82	598,147.00
	g. Cement	4,693.98	bag	285.00	1,337,782.88
	h. Concrete Saw (Diamond Blade 14" Ø)	0.49	pc.	2,500.00	1,230.94
	i. Pipe Sleeve, 2" Ø	25.60	m.	61.00	1,561.81
	j. Grease/Tar	4.92	L	112.50	553.92
Sub-total for E					P 2,442,525.32
F.	Direct Cost (C + E)				2,835,478.08
G.	Overhead, Contingencies and Miscellaneous		10% per D.O. 197, s. 2016		283,547.81
H.	Contractor's Profit (CP)		8% per D.O. 197, s. 2016		226,838.25
I.	Value Added Tax (VAT)		5% per D.O. 197, s. 2016		167,293.21
J.	Total Unit Cost				1,070.27

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DETAILED UNIT PRICE ANALYSIS

PROJECT NAME: Construction/Improvement of Access Roads, Leading to Trades, Industries and Economic Zones - Access Road at Sitio Anuling, Pamucutan to Sta. Rita in Support of High Value Crops (Abaca, Cacao, Rubber and Coffee) Upper La Paz, Zamboanga City

Item No./Description: 404(1)a Reinforcing Steel Bar, (Grade 40)

Unit of Measurement: kg

Output per hour: 180.00

Quantity: 21,513.50

For Lined Canal

Designation		No. of Persons	No. of Days	Daily Rate	Amount
A.	Labor				
	a. Const. Foreman	1	14.94	611.92	9,142.04
	b. Skilled Labor	2	14.94	443.20	13,242.75
	c. Unskilled Labor	8	14.94	342.24	40,904.33
Sub-total for A					P 63,289.13
Name and Capacity		No. of Equipment	No. of Days	Daily Rate	Amount
B.	Equipment, (2014 ACEL Rates)				
	a. Bar Cutter	1	7.47	1,758.00	13,132.20
	b. Bar bender	1	7.47	2,812.00	21,005.54
	c. Cargo truck (9-10 mt)	1	2.24	9,696.00	21,728.64
Sub-total for B					P 55,866.38
C.	Total (A+B)				119,155.51
D.	Output/day	1,440.00	sq.m./day		
Name and Specifications		Quantity	Unit	Unit Cost	Amount
E.	Materials				
	a. Tie wire (2% of RSB)	451.78	kg.	80.00	36,142.68
	b. Reinforcing steel bar, grade 40 (w/ 5% wastage)	22,589.18	kg.	35.00	790,621.13
Sub-total for E					P 826,763.81
F.	Direct Cost (C + E)				945,919.31
G.	Overhead, Contingencies and Miscellaneous		10% per D.O. 197, s. 2016		94,591.93
H.	Contractor's Profit (CP)		8% per D.O. 197, s. 2016		75,673.55
I.	Value Added Tax (VAT)		5% per D.O. 197, s. 2016		55,809.24
J.	Total Unit Cost				54.48

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DETAILED UNIT PRICE ANALYSIS

PROJECT NAME: Construction/Improvement of Access Roads, Leading to Trades, Industries and Economic Zones - Access Road at Sitio Anuling, Pamucutan to Sta. Rita in Support of High Value Crops (Abaca, Cacao, Rubber and Coffee) Upper La Paz, Zamboanga City

Item No./Description: 405(1)a3 Structural Concrete, Class "A"

Unit of Measurement: cu. m

Output per hour: 1.40

Quantity: 513.00

For Lined Canal

Designation		No. of Persons	No. of Days	Daily Rate	Amount
A.	Labor				
	a. Const. Foreman	1	45.80	611.92	28,028.12
	b. Skilled Labor	4	45.80	443.20	81,200.57
	c. Unskilled Labor	8	45.80	342.24	125,406.51
	Installation/Removal of Formworks				
	a. Skilled labor	4	45.80	443.20	81,200.57
	b. Unskilled Labor	8	45.80	342.24	125,406.51
Sub-total for A					P 441,242.29
Name and Capacity		No. of Equipment	No. of Days	Daily Rate	Amount
B.	Equipment, (2014 ACCEL Rates)				
	a. One-bagger mixer	1	45.80	1,376.00	63,025.71
	b. Concrete vibrator	1	45.80	730.00	33,436.61
	c. Water truck/pump (16000L)	1	4.58	19,600.00	89,775.00
	Minor tools 5% of labor cost				22,062.11
Sub-total for B					P 208,299.44
C.	Total (A+B)				649,541.73
D.	Output/day	11.20	sq.m./day		
Name and Specifications		Quantity	Unit	Unit Cost	Amount
E.	Materials				
	a. Lumber, Good - 4 uses	35,910.00	bd-ft	37.00	332,167.50
	b. Marine Plywood (1/2" x 4' x 8') - 4 uses	820.80	pc	880.00	180,576.00
	c. Assorted CWN (1kg/100 bd-ft of lumber)	359.10	kg	65.00	23,341.50
	d. Cement	4,873.50	bag	285.00	1,388,947.50
	e. Sand	256.50	cu.m	1,214.82	311,601.33
	f. Gravel	513.00	cu.m	1,214.82	623,202.66
Sub-total for E					P 2,859,836.49
F.	Direct Cost (C + E)				3,509,378.22
G.	Overhead, Contingencies and Miscellaneous		10% per D.O. 197, s. 2016		350,937.82
H.	Contractor's Profit (CP)		8% per D.O. 197, s. 2016		280,750.26
I.	Value Added Tax (VAT)		5% per D.O. 197, s. 2016		207,053.31
J.	Total Unit Cost				8,475.87

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DETAILED UNIT PRICE ANALYSIS

PROJECT NAME: Construction/Improvement of Access Roads, Leading to Trades, Industries and Economic Zones - Access Road at Sitio Anuling, Pamucutan to Sta. Rita in Support of High Value Crops (Abaca, Cacao, Rubber and Coffee) Upper La Paz, Zamboanga City

Item No./Description: 500(1)b3 Pipe Culverts

Unit of Measurement: ln.m.

Output per hour: 1.00

Quantity: 47.00

*910 mm. dia., Class IV, Wall B,
AASHTO M-170-85*

Designation		No. of Persons	No. of Days	Daily Rate	Amount
A.	Labor				
	a. Const. Foreman	1	3.35	611.92	2,049.17
	b. Skilled Labor	2	3.35	443.20	2,968.33
	c. Unskilled Labor	4	3.35	342.24	4,584.30
Sub-total for A					P 9,601.80
Name and Capacity		No. of Equipment	No. of Days	Daily Rate	Amount
B.	Equipment, (2014 ACEL Rates)				
	a. Backhoe (0.80 cu.m)	1	1.70	12,296.00	20,949.31
	b. Plate Compactor (5 hp)	1	1.70	984.00	1,676.49
	Minor Tools 10% of Labor cost				960.18
Sub-total for B					P 23,585.98
C.	Total (A+B)				33,187.78
D.	Output/day	8.00	ln.m./day		
Name and Specifications		Quantity	Unit	Unit Cost	Amount
E.	Materials				
	a. Cement	50.76	bag	285.00	14,466.60
	b. Sand	2.87	cu.m.	1,214.82	3,482.89
	c. RC Pipes (910 mm. dia.)	47.00	pc	1,665.00	78,255.00
	d. Sand Bedding/Selected Sandy Soil	6.02	cu.m.	1,214.82	7,308.36
Sub-total for E					P 103,512.85
F.	Direct Cost (C + E)				136,700.63
G.	Overhead, Contingencies and Miscellaneous		10% per D.O. 197, s. 2016		13,670.06
H.	Contractor's Profit (CP)		8% per D.O. 197, s. 2016		10,936.05
I.	Value Added Tax (VAT)		5% per D.O. 197, s. 2016		8,065.34
J.	Total Unit Cost				3,603.66

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DETAILED UNIT PRICE ANALYSIS

PROJECT NAME: Construction/Improvement of Access Roads, Leading to Trades, Industries and Economic Zones - Access Road at Sitio Anuling, Pamucutan to Sta. Rita in Support of High Value Crops (Abaca, Cacao, Rubber and Coffee) Upper La Paz, Zamboanga City

Item No./Description: 505(2)a Grouted Riprap, Class "A"

Unit of Measurement: cu.m.

Output per hour: 1.25

Quantity: 8.00 For headwall apron

Designation		No. of Persons	No. of Days	Daily Rate	Amount
A.	Labor				
	a. Const. Foreman	1	0.80	611.92	489.54
	b. Skilled Labor	2	0.80	443.20	709.12
	c. Unskilled Labor	8	0.80	342.24	2,190.34
Sub-total for A					P 3,388.99
Name and Capacity		No. of Equipment	No. of Days	Daily Rate	Amount
B.	Equipment, (2014 ACEL Rates)				
	a. One Bagger Mixer	1	0.80	1,376.00	1,100.80
	b. Water Truck/Pump (16000 L)	1	0.04	19,600.00	784.00
	Minor Tools 5% of Labor				169.45
Sub-total for B					P 2,054.25
C.	Total (A+B)				5,443.24
D.	Output/day	10.00	cu.m./day		
Name and Specifications		Quantity	Unit	Unit Cost	Amount
E.	Materials				
	a. Cement	24.00	bag	285.00	6,840.00
	b. Sand	2.00	cu.m.	1,214.82	2,429.64
	c. Gravel	0.12	cu.m.	1,214.82	145.78
	d. Weep Holes (PVC)	2.40	m.	50.83	122.00
	e. Filter Cloth	0.12	sq.m.	160.00	19.20
	f. Boulders (15 - 25 kg.)	8.40	cu.m.	1,413.82	11,876.09
	Miscellaneous 1% of Materials Cost				214.33
Sub-total for E					P 21,647.03
F.	Direct Cost (C + E)				27,090.28
G.	Overhead, Contingencies and Miscellaneous		10% per D.O. 197, s. 2016		2,709.03
H.	Contractor's Profit (CP)		8% per D.O. 197, s. 2016		2,167.22
I.	Value Added Tax (VAT)		5% per D.O. 197, s. 2016		1,598.33
J.	Total Unit Cost				4,195.61

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DETAILED UNIT PRICE ANALYSIS

PROJECT NAME: Construction/Improvement of Access Roads, Leading to Trades, Industries and Economic Zones - Access Road at Sitio Anuling, Pamucutan to Sta. Rita in Support of High Value Crops (Abaca, Cacao, Rubber and Coffee) Upper La Paz, Zamboanga City

Item No./Description: 506(1) Stone Masonry

Unit of Measurement: cu.m.

Output per hour: 1.60

Quantity: 95.50 *Fro headwall and wingwall*

Designation		No. of Persons	No. of Days	Daily Rate	Amount
A.	Labor				
	a. Const. Foreman	1	7.46	611.92	4,565.50
	b. Skilled Labor	2	7.46	443.20	6,613.38
	c. Unskilled Labor	8	7.46	342.24	20,427.45
Sub-total for A					P 31,606.32
Name and Capacity		No. of Equipment	No. of Days	Daily Rate	Amount
B.	Equipment, (2014 ACEL Rates)				
	a. One Bagger Mixer	1	7.46	1,376.00	10,266.25
	b. Water Truck/Pump (16000 L)	1	0.37	19,600.00	7,311.72
	c. Backhoe (Wheel Type 0.28 cu.m.)	1	0.75	7,376.00	5,503.19
	Minor Tools 5% of Labor				1,580.32
Sub-total for B					P 24,661.47
C.	Total (A+B)				56,267.79
D.	Output/day	12.80	cu.m./day		
Name and Specifications		Quantity	Unit	Unit Cost	Amount
E.	Materials				
	a. Cement	525.25	bag	285.00	149,696.25
	b. Sand	28.65	cu.m.	1,214.82	34,804.59
	c. Gravel	1.91	cu.m.	1,214.82	2,320.31
	d. Weep Holes (PVC)	28.65	m.	50.83	1,456.38
	e. Filter Cloth	1.43	sq.m.	160.00	229.20
	f. Boulders	100.28	cu.m.	1,413.82	141,770.80
	Miscellaneous 1% of Materials Cost				3,302.78
Sub-total for E					P 333,580.30
F.	Direct Cost (C + E)				389,848.09
G.	Overhead, Contingencies and Miscellaneous		10% per D.O. 197, s. 2016		38,984.81
H.	Contractor's Profit (CP)		8% per D.O. 197, s. 2016		31,187.85
I.	Value Added Tax (VAT)		5% per D.O. 197, s. 2016		23,001.04
J.	Total Unit Cost				5,057.82

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DETAILED UNIT PRICE ANALYSIS

PROJECT NAME: Construction/Improvement of Access Roads, Leading to Trades, Industries and Economic Zones - Access Road at Sitio Anuling, Pamucutan to Sta. Rita in Support of High Value Crops (Abaca, Cacao, Rubber and Coffee) Upper La Paz, Zamboanga City

Item No./Description: 622 (1)b Coco-net

Unit of Measurement: sq.m.

Output per hour: 150.00

Quantity: 32,267.00

CGN 400, for slope protection work (cut section)

Designation		No. of Persons	No. of Days	Daily Rate	Amount
A.	Labor				
	a. Const. Foreman	1	26.89	611.92	16,454.02
	b. Leadman	3	26.89	561.36	45,283.51
	c. Unskilled Labor	24	26.89	342.24	220,861.16
	<i>use triple gang of labor & equipment</i>				
Sub-total for A					P 282,598.69
Name and Capacity		No. of Equipment	No. of Days	Daily Rate	Amount
B.	Equipment, (2014 ACEL Rates)				
	a. Water truck /pump (16000 L)	3	6.72	19,600.00	395,270.75
	Minor tools 10% of labor cost				28,259.87
Sub-total for B					P 423,530.62
C.	Total (A+B)				706,129.31
D.	Output/day	1,200.00	sq.m./day		
Name and Specifications		Quantity	Unit	Unit Cost	Amount
E.	Materials				
	a. Erosion Control Net CGN-400 with 5% wastage (price includes bamboo pegs)	33,880.35	sq.m	110.00	3,726,838.50
Sub-total for E					P 3,726,838.50
F.	Direct Cost (C + E)				4,432,967.81
G.	Overhead, Contingencies and Miscellaneous			10% per D.O. 197, s. 2016	443,296.78
H.	Contractor's Profit (CP)			8% per D.O. 197, s. 2016	354,637.42
I.	Value Added Tax (VAT)			5% per D.O. 197, s. 2016	261,545.10
J.	Total Unit Cost				170.22

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DETAILED UNIT PRICE ANALYSIS

PROJECT NAME: Construction/Improvement of Access Roads, Leading to Trades, Industries and Economic Zones - Access Road at Sitio Anuling, Pamucutan to Sta. Rita in Support of High Value Crops (Abaca, Cacao, Rubber and Coffee) Upper La Paz, Zamboanga City

Item No./Description: 622 (2)c Coco-logs/Fascine

Unit of Measurement: ln.m

Output per hour: 15.00

Quantity: 2,970.00 CN 300, For Slope Protection

Designation		No. of Persons	No. of Days	Daily Rate	Amount
A.	Labor				
	a. Const. Foreman	1	24.75	611.92	15,145.02
	d. Unskilled Labor	8	24.75	342.24	67,763.52
Sub-total for A					P 82,908.54
Name and Capacity		No. of Equipment	No. of Days	Daily Rate	Amount
B.	Equipment, (2014 ACEL Rates)				
	Minor tools 10% of labor cost				8,290.85
Sub-total for B					P 8,290.85
C.	Total (A+B)				91,199.39
D.	Output/day 120.00	sq.m./day			
Name and Specifications		Quantity	Unit	Unit Cost	Amount
E.	Materials				
	a. Coco fiber roll (CGR 300) (price includes nylon ropes and live stakes)	3,118.50	m	450.00	1,403,325.00
Sub-total for E					P 1,403,325.00
F.	Direct Cost (C + E)				1,494,524.39
G.	Overhead, Contingencies and Miscellaneous		10% per D.O. 197, s. 2016		149,452.44
H.	Contractor's Profit (CP)		8% per D.O. 197, s. 2016		119,561.95
I.	Value Added Tax (VAT)		5% per D.O. 197, s. 2016		88,176.94
J.	Total Unit Cost				623.47

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DETAILED UNIT PRICE ANALYSIS

PROJECT NAME: Construction/Improvement of Access Roads, Leading to Trades, Industries and Economic Zones - Access Road at Sitio Anuling, Pamucutan to Sta. Rita in Support of High Value Crops (Abaca, Cacao, Rubber and Coffee) Upper La Paz, Zamboanga City

Item No./Description: 622 (3)b Vegetation

Unit of Measurement: sq.m.

Output per hour: 140.00

Quantity: 32,297.00 *For slope protection*

Designation		No. of Persons	No. of Days	Daily Rate	Amount
A.	Labor				
	a. Const. Foreman	1	28.84	611.92	17,645.70
	b. Leadman	4	28.84	561.36	64,750.87
	c. Unskilled Labor	32	28.84	342.24	315,809.29
	<i>use quadruple gang of labor & equipment</i>				
Sub-total for A					P 398,205.86
Name and Capacity		No. of Equipment	No. of Days	Daily Rate	Amount
B.	Equipment, (2014 ACEL Rates)				
	a. Water truck /pump (16000 L)	4	14.42	19,600.00	1,130,395.00
	Minor tools 10% of labor cost				39,820.59
Sub-total for B					P 39,820.59
C.	Total (A+B)				438,026.45
D.	Output/day	1,120.00	sq.m./day		
Name and Specifications		Quantity	Unit	Unit Cost	Amount
E.	Materials				
	a. Vetiver grass system (price includes cocopeat fertilizer)	33,911.85	sq.m	102.00	3,459,008.70
Sub-total for E					P 3,459,008.70
F.	Direct Cost (C + E)				3,897,035.15
G.	Overhead, Contingencies and Miscellaneous		10% per D.O. 197, s. 2016		389,703.51
H.	Contractor's Profit (CP)		8% per D.O. 197, s. 2016		311,762.81
I.	Value Added Tax (VAT)		5% per D.O. 197, s. 2016		229,925.07
J.	Total Unit Cost				149.50

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PROJECT : Construction/Improvement of Access Roads, Leading to Trades, Industries and Economic Zone - Access Road at Sitio Anuling, Pamuculan to Sta. Rita in Support of High Value Crops (Abaca, Cacao, Rubt
LOCATION : Upper La Paz, Zamboanga City
LIMITS : Zamboanga City

6+560.00 - 7+840.00
0+000.00 - 0+000.00

net length : 1,280.00 m.

SUMMARY OF DETAILED ESTIMATES

ITEM NO.	DESCRIPTION	QTY.	UNIT	LABOR	EQUIPMENT	MATERIALS	OCM	PROFIT	VAT
PART A - FACILITIES FOR THE ENGINEER									
A.1.1(3)	Construction of Field Office for the Engineer	1.00	L.S.	42,596.48	32,115.65	315,114.38	38,982.65	31,186.12	22,999.76
A.1.1(11)	Provision of Furnitures/Fixtures, Equipment and Appliances for the Field Office for the Field Engineer	1.00	L.S.	-	-	297,173.33	-	23,773.87	16,047.36
A.1.2(5)	Operation and Maintenance of 4x4 Pick Up Type Service Vehicle for the Engineer	8.33	month	105,580.00	-	159,125.00	-	-	13,235.25
	TOTAL OF PART A			148,176.48	32,115.65	771,412.71	38,982.65	54,959.99	52,282.37
PART B - OTHER GENERAL REQUIREMENTS									
B.4(1)	Construction Survey & Staking	1.28	km.	33,395.04	6,539.50	37,406.25	7,734.08	6,187.26	4,563.11
B.5	Project Billboard/Signboard	2.00	each	3,479.20	-	7,330.00	1,080.92	864.74	637.74
B.7	Occupation Safety and Health Program	8.33	month	187,290.00	60,000.00	26,760.00	-	21,924.00	14,798.70
B.9	Mobilization & Demobilization	1.00	L.S.	-	909,775.00	-	-	-	45,488.75
	TOTAL OF PART B			224,164.24	976,314.50	71,496.25	8,815.00	28,976.00	65,488.30
PART C - EARTHWORKS									
102(2)	Surplus Common Excavation	379,054.00	cu.m.	828,481.74	54,152,128.26	-	5,498,061.00	4,398,448.80	3,243,855.99
102(3)a	Surplus Rock Excavation	6,510.00	cu.m.	18,838.31	1,265,875.31	-	128,471.36	102,777.09	75,798.10
103(1)a	Structure Excavation	1,142.00	cu.m.	11,695.79	251,096.28	-	26,279.21	21,023.37	15,504.73
103(3)	Foundation Fill	5.50	cu.m.	1,089.48	757.95	7,683.74	953.12	762.49	562.34
103(6)a	Pipe Culverts and Drain Excavation	85.00	cu.m.	870.53	18,689.30	-	1,955.98	1,564.79	1,154.03
104(1)a	Embankment from Roadway Excavation	820.00	cu.m.	4,863.44	184,199.22	-	18,906.27	15,125.01	11,154.70
105(1)a	Subgrade Preparation	11,693.00	sq.m.	6,316.17	180,520.43	-	18,683.66	14,946.93	11,023.36
	TOTAL OF PART C			872,155.47	56,053,266.76	7,683.74	5,693,310.60	4,554,648.48	3,359,053.25
PART D - SUBBASE AND BASE COURSE									
200(1)	Aggregate Subbase Course	4,742.50	cu.m.	15,370.44	439,297.78	5,420,170.05	587,483.83	469,987.06	346,615.46
	TOTAL OF PART D			15,370.44	439,297.78	5,420,170.05	587,483.83	469,987.06	346,615.46
PART E - SURFACE COURSES									
300(1)	Gravel Surface Course	141.00	cu.m.	456.98	13,060.83	170,066.16	18,358.40	14,686.72	10,831.45
311(1)e1	Portland Cement Concrete Pavement	8,479.00	sq.m.	119,657.12	1,775,012.66	11,507,965.29	1,340,263.51	1,072,210.81	790,755.47
311(1)a	Portland Cement Concrete Pavement	3,282.50	sq.m.	24,816.78	368,135.98	2,442,525.32	283,547.81	226,838.25	167,293.21
	TOTAL OF PART E			144,930.98	2,156,209.48	14,120,556.78	1,642,169.71	1,313,735.77	968,880.13
PART G - DRAINAGE AND SLOPE PROTECTION STRUCTURES									
404(1)a	Reinforcing Steel Bar, (Grade 40)	21,513.50	kg	63,289.13	55,866.38	826,763.81	94,591.93	75,673.55	55,809.24
405(1)a3	Structural Concrete, Class "A"	513.00	cu. m	441,242.29	208,299.44	2,859,836.49	350,937.82	280,750.26	207,053.31
500(1)b3	Pipe Culverts	47.00	ln.m.	9,601.80	23,585.98	103,512.85	13,670.06	10,936.05	8,065.34
505(2)a	Grouted Riprap, Class "A"	8.00	cu.m.	3,388.99	2,054.25	21,647.03	2,709.03	2,167.22	1,598.33
506(1)	Stone Masonry	95.50	cu.m.	31,606.32	24,661.47	333,580.30	38,984.81	31,187.85	23,001.04
	TOTAL OF PART G			549,128.54	314,467.51	4,145,340.47	500,893.65	400,714.92	295,527.26
PART H - MISCELLANEOUS STRUCTURES									
622(1)b	Coco-net	32,267.00	sq.m.	282,598.69	423,530.62	3,726,838.50	443,296.78	354,637.42	261,545.10
622(2)c	Coco-logs/Fascine	2,970.00	ln.m.	82,908.54	8,290.85	1,403,325.00	149,452.44	119,561.95	88,176.94
622(3)b	Vegetation	32,297.00	sq.m.	398,203.86	39,820.59	3,459,008.70	389,703.51	311,762.81	229,925.07
	TOTAL OF PART H			763,713.09	471,642.06	8,589,172.20	982,452.73	785,962.19	579,647.11
	T O T A L			2,717,639.15	60,443,313.73	33,125,832.20	9,454,108.18	7,608,984.41	5,667,493.88

MR

JORGE U. SEBASTIAN, JR., CSO III
Regional Director

UNIT COST ANALYSIS FOR HAULING COST FOR PORTLAND CEMENT

TOTAL QUANTITY REQUIREMENTS FOR PORTLAND CEMENT

DESCRIPTION	QUANTITY (Bags)
Portland Cement Concrete Pavement	22,554.14
Portland Cement Concrete Pavement	4,693.98
Structural Concrete, Class "A"	4,873.50
Pipe Culverts	50.76
Grouted Riprap, Class "A"	24.00
Stone Masonry	525.25
Construction of Field Office for the Engineer	90.00
T O T A L	32,811.63

Quantity = **32,811.63** Bags

Delivery Charge = P 0.120 / bag / km.

S I T E	HAULING DISTANCE
Zamboanga City DEO	32.00
Batching plant	

*Average hauling distance from Source to assumed Stockpiling area :
say 32.00 km.

Delivery Charge = P 0.120 x 32.00
= P **3.84** / bag

*Delivery Truck : 32,811.63 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 = $\frac{32.00 \times 60}{30.00} = 64.00$ mins.
Unloaded running = $\frac{32.00 \times 60}{40.00} = 48.00$ mins.
Loading and Unloading : 45.00 mins.
allowance for delay/traffic : 3.00 mins.
Capacity of Dumptruck : 8.00 cu.m.
: 500.00 bags
Total Cycle time : 160.00 mins.
No. of trips for Dumptruck per day = $\frac{8.0 \times 60.00}{160.00} = 3.00$ say 3.00 trip
Dumptruck daily output = 500 x 3.00 = 1,500.00 cu.m.
Using (3) Dumptrucks = 3 x 1,500.00 = 4,500.00 cu.m.

1. No. of days for Delivery Truck = $\frac{32,811.63}{4,500.00} = 7.29$ say 7.29 days
2. No. of days for Labor, for unloading = complimentary to D. Truck days = 7.29 days

DELIVERY COST :

32,811.63 - Bags, Portland Cement @ P 3.84 / bag = P 125,996.64
Sub - Total P 125,996.64

LABOR :

1 - Foreman @ P 611.92 /day x 7.29 days = P 4,461.80
10 - Laborers, unloading @ P 342.24 /day x 7.29 days = P 24,954.33
Sub - Total P 29,416.13

MATERIALS :

32,811.63 - Bags, Portland Cement @ P 280.00 / bag = P 9,187,255.00
(Pick-Up Price) **Sub - Total P 9,187,255.00**

Estimated Quantity 32,811.63 Bags
Unit Cost P 284.74 / Bag, say P 285.00 / Bag
Grand Total P 9,342,667.77
Delivery Cost P 125,996.64
Labor P 29,416.13
Materials P 9,187,255.00

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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 per day = $\frac{8 \times 60.00}{25.50}$ = 18.82 say 18.82 trips
 Dumptruck daily 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 P 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:	26.00	x	12.07	=	313.82	+	901.00	=	1,214.82
Cost of Coarse Aggregates:	26.00	x	12.07	=	313.82	+	901.00	=	1,214.82
Cost of Item 200 Materials:	26.00	x	12.07	=	313.82	+	680.00	=	993.82
Cost of Item 300 Materials:	26.00	x	12.07	=	313.82	+	735.00	=	1,048.82
Cost of Boulders:	26.00	x	12.07	=	313.82	+	1,100.00	=	1,413.82
Cost of Embankment, Common Borrow:	5.00	x	12.07	=	60.35	+	328.00	=	388.35

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