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)

NAME/LOCATION OF PROJECT : Construction of By-Pass and Diversion Roads Ipil Circumferential Road: Veterans-Tiayon-Don Andres Section, (Phase IV), Zamboanga Sibugay	Appropriation Source of Funds Issued Obligated Authority Released	: : : :	P 150,000,000.00 CY 2017 Regular Infra Project
PROJECT CATEGORY : NATIONAL ROAD	Cal. Days to Complete Desirable Starting Date Mode of Implementation	: : :	324 Calendar Days Upon Approval By Contract

PROJECT DESCRIPTION :

Scope of Work : Unpaved to Paved
Road Width : 6.70 meters, (PCCP 0.28 m. thk.)
Roadbed Width : 12.00 meters
Subbase Course : 0.30 meters
Surface Course : 0.15 meters

STATION LIMITS:

10+760.00 - 11+020.00 11+140.00 - 11+160.00
12+900.00 - 13+274.56 13+289.28 - 15+200.00

Net Length: **2.57** KM; 5.13 LANE KM.

MINIMUM EQUIPMENT REQUIREMENT : TECHNICAL PERSONNEL REQUIRED :

Description	No.	Description	No.	Description	No.
Bulldozer (155 HP), D65A-8	1	One Bagger Mixer	1	Project Engineer	1
Payloader (1.50 cu.m.)	1	Concrete Paver, GP-2000 Slipform	1	Materials Engineer	1
Motorized Road Grader, G710A	1	Transit Mixer (5 cu.m.)	4	Materials Lab. Tech.	1
Vibratory Roller (10 m.t.), SP56	1	Concrete Saw, Blade Ø 14" (7.5 Hp)	1	Surveyor	1
Batching Plant (30 cu.m.)	1	Bar Cutter, Single Phase	1	Safety Practitioner	1
Dumptruck (10 cu.m.)	4	Bar Bender	1	Foreman	2
Backhoe (0.80 cu.m.)	2	Concrete Vibrator	2	Carpenter	8
Water Truck	2	Truck Mounted Crane	1	Mason	10
Cargo Truck (10T, 270 Hp)	2	Plate Compactor	1	Laborer	20

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, (7.00m x 9.00m)	0.422	l.s.	1.00	474,940.62	474,940.62
A.1.1(11)	Provision of Furnitures/Fixtures. Equipment and Appliances for the	0.098	l.s.	1.00	110,145.00	110,145.00
A.1.2(5)	Operation and Maintenance of 4x4 Pick Up Type Service Vehicle	0.425	l.s.	1.00	478,565.60	478,565.60
PART B - OTHER GENERAL REQUIREMENTS						
B.4(1)	Construction Survey and Staking	0.070	km	2.57	78,423.03	30,570.94
B.5	Project Billboard/Signboard	0.012	unit	2.00	13,279.20	6,639.60
B.7	Occupational Safety and Health Program	0.168	l.s.	1.00	189,679.04	189,679.04
B.9	Mobilization & Demobilization	0.959	l.s.	1.00	1,080,480.00	1,080,480.00
PART C - EARTHWORKS						
101(2)	Removal of Existing Headwall	0.023	each	2.00	25,569.56	12,784.78
101(4)a3	Removal of Actual Structures & Obstructions (910Φ mm RCPC)	0.003	ln.m.	4.00	3,114.36	778.59
102(1)	Roadway Excavation (Unsuitable)	3.038	cu.m.	14,453.00	3,420,695.21	236.68
103(1)a	Structure Excavation	0.020	cu.m.	96.00	22,091.10	230.12
103(3)	Foundation Fill	0.029	cu.m.	19.00	33,186.90	1,746.68
103(6)a	Pipe Culvert and Drain Excavation	0.011	cu.m.	56.00	12,886.48	230.12

ESTIMATED COST OF PROPOSED WORK

ITEM NO.	DESCRIPTION	% OF TOTAL	UNIT	QUANTITY	DIRECT COST	
					TOTAL	UNIT COST
104(1)a1	Embankment (from Excavation)	1.259	cu.m.	12,297.00	1,417,624.17	115.28
104(2)a	Embankment (Common Borrow)	35.415	cu.m.	46,586.00	39,880,648.75	856.07
105(1)a	Subgrade Preparation	0.150	sq.m.	10,540.00	168,413.39	15.98
PART D - SUBBASE AND BASE COURSE						
200(1)	Aggregate Subbase Course, 0.30m. Thick	12.325	cu.m.	10,006.00	13,878,855.12	1,387.05
300(1)	Gravel Surface Course, 0.15m thk.	0.914	cu.m.	765.00	1,029,424.76	1,345.65
PART E - SURFACE COURSE						
311(1)e1	PCC Pavement Conventional Method, 280 mm thk.	27.583	sq.m.	19,596.00	31,061,000.80	1,585.07
311(1)a	Portland Cement Concrete Pavement, 0.15m. Thick	2.826	sq.m.	3,427.00	3,182,303.88	928.60
404(1)a	Reinforcing Steel Bar, (Grade 40)	0.089	Kg.	1,941.00	100,279.99	51.66
405(1)a3	Structural Concrete, Class "A"	0.305	cu.m.	48.00	343,123.12	7,148.40
500(1)b3	Reinf. Conc. Culvert Pipe, (910mm dia.)	0.359	ln.m.	129.00	404,410.53	3,134.97
505(5)	Grouted Riprap,Class "A"	12.718	cu.m.	4,234.00	14,321,642.09	3,382.53
506(1)	Stone Masonry	0.317	cu.m.	90.00	356,823.88	3,964.71
PART H - MISCELLANEOUS STRUCTURES						
612(1)	Reflectorized Thermoplastic Pavement Markings (White)	0.413	sq.m.	625.00	465,500.64	744.80
612(2)	Reflectorized Thermoplastic Pavement Markings (Yellow)	0.049	sq.m.	71.00	55,668.73	784.07
TOTAL		100.000			**P 112,608,775.97**	

NAME OF PROJECT : Construction of By-Pass and Diversion Roads
Ipil Circumferential Road: Veterans-Tiayon-Don Andres Section, (Phase IV), Zamboanga Sibugay

STATION LIMITS:
10+760.00 - 11+020.00 11+140.00 - 11+160.00
12+900.00 - 13+274.56 13+289.28 - 15+200.00

BREAKDOWN OF ESTIMATED EXPENDITURES	% OF TOTAL	AMOUNT
I. ESTIMATED COST		
A. DIRECT COST		
A.1. Materials	61.31	91,968,927.06
A.2. Labor	1.79	2,683,082.60
A.3. Equipment Expenses	11.97	17,956,766.31
SUB-TOTAL (DIRECT COST)	75.07	P 112,608,775.97
B. INDIRECT COST (Per D.O. # 197 s.2016)		
B.1. Overhead, Contingency & Misc. (10% Max. of D.C.)	7.38	11,074,990.63
B.2. Profit (8 % Max. of D.C.)	6.21	9,314,607.96
C. VAT (5% of D.C. and I.C.)	4.43	6,649,918.73
SUBTOTAL (CONTRACT COST)	93.10	P 139,648,293.29
II. ESTIMATED GOVERNMENT EXPENDITURES		
1. Engineering and Administrative Overhead (3.50%)	3.50	5,250,000.00
2. Detailed Engineering (1%)		
3. Reserved for the Payment of RROW	3.33	5,000,000.00
4. Physical Reserved	0.07	101,706.71
TOTAL ESTIMATED PROJECT COST	100.00	P 150,000,000.00

Prepared:

MICHAEL D. TORINO
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

Construction of By-Pass and Diversion Roads
Ipil Circumferential Road: Veterans-Tiayon-Don Andres Section, (Phase IV), Zamboanga Sibugay

SUMMARY OF DETAILED ESTIMATES

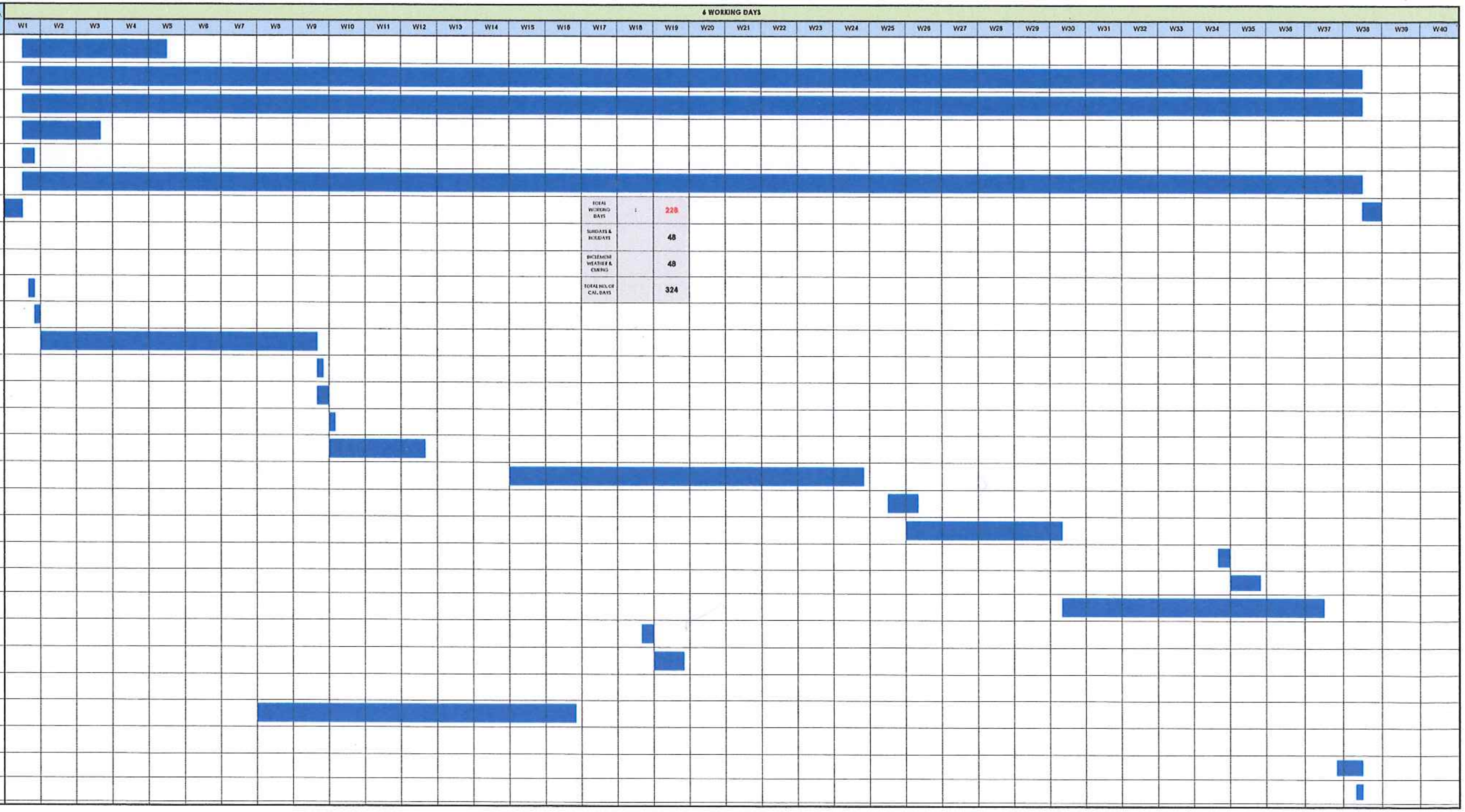
ITEM NO.	DESCRIPTION	EQUIPMENT	LABOR	MATERIALS	TOTAL
A.1.1(3)	Construction of Field Office for the Engineer, (7.00m x 9.00m)	33,798.53	87,665.28	353,476.81	474,940.62
A.1.1(11)	Provision of Furnitures/Fixtures. Equipment and Appliances for the	-	-	110,145.00	110,145.00
A.1.2(5)	Operation and Maintenance of 4x4 Pick Up Type Service Vehicle	-	101,049.60	377,516.00	478,565.60
B.4(1)	Construction Survey and Staking	8,756.57	49,086.46	20,580.00	78,423.03
B.5	Project Billboard/Signboard	-	3,479.20	9,800.00	13,279.20
B.7	Occupational Safety and Health Program	-	135,929.04	53,750.00	189,679.04
B.9	Mobilization & Demobilization	1,080,480.00	-	-	1,080,480.00
101(8)	Removal of Existing Guardrails	-	-	-	-
101(9)	Removal of Existing Guardrail Posts	-	-	-	-
101(2)	Removal of Existing Headwall	23,829.96	1,739.60	-	25,569.56
101(4)a3	Removal of Actual Structures & Obstructions (910Φ mm RCPC)	2,755.95	358.41	-	3,114.36
102(1)	Roadway Excavation (Unsuitable)	3,300,312.56	120,382.65	-	3,420,695.21
103(1)a	Structure Excavation	21,107.92	983.18	-	22,091.10
103(3)	Foundation Fill	2,618.37	3,763.67	26,804.86	33,186.90
103(6)a	Pipe Culvert and Drain Excavation	12,312.95	573.52	-	12,886.48
104(1)a1	Embankment (from Excavation)	1,381,157.23	36,466.94	-	1,417,624.17
104(2)a	Embankment (Common Borrow)	4,315,261.18	115,351.59	35,450,035.97	39,880,648.75
105(1)a	Subgrade Preparation	162,720.03	5,693.36	-	168,413.39
200(1)	Aggregate Subbase Course, 0.30m. Thick	926,855.78	32,429.45	12,919,569.89	13,878,855.12
300(1)	Gravel Surface Course, 0.15m thk.	70,861.95	2,479.37	956,083.44	1,029,424.76
311(1)e1	PCC Pavement Conventional Method, 280 mm thk.	4,102,270.09	276,542.16	26,682,188.55	31,061,000.80
311(1)a	Portland Cement Concrete Pavement, 0.15m. Thick	582,943.70	25,909.24	2,573,450.94	3,182,303.88
404(1)a	Reinforcing Steel Bar, (Grade 40)	8,050.57	5,710.10	86,519.33	100,279.99
405(1)a3	Structural Concrete, Class "A"	19,490.01	41,285.83	282,347.29	343,123.12
500(1)b3	Reinf. Conc. Culvert Pipe, (910mm dia.)	63,824.85	26,419.94	314,165.75	404,410.53
505(5)	Grouted Riprap,Class "A"	1,780,991.88	1,566,922.95	10,973,727.26	14,321,642.09
506(1)	Stone Masonry	25,324.01	30,500.93	300,998.94	356,823.88
612(1)	Reflectorized Thermoplastic Pavement Markings (White)	27,716.18	11,099.25	426,685.22	465,500.64
612(2)	Reflectorized Thermoplastic Pavement Markings (Yellow)	3,326.06	1,260.87	51,081.80	55,668.73
622(1)b	Bio-Engineering Coco Fiber Erosion Control Net (CGN 700)	-	-	-	-
622(2)b	Bio-Engineering Coco Fascine Erosion Control System	-	-	-	-
622(3)a	Bio-Engineered Erosion Control System (vegetation)	-	-	-	-
	TOTAL	**17,956,766.31**	**2,683,082.60**	**91,968,927.06**	**112,608,775.97**

PROJECT : Construction of By-Pass and Diversion Roadslpil Circumferential Road: Veterans-Tlayon-Don Andres Section, (Phase IV), Zamboanga Sibugay

NET LENGTH : 10+760.00 - 11+020.00
11+140.00 - 11+160.00
12+900.00 - 13+274.56
13+289.28 - 15+200.00

NET LENGTH = **2.57** KM

ITEM NO.	DESCRIPTION	QUANTITY	DURATION NO. OF DAYS
A.1.1(3)	Construction of Field Office for the Engineer, (7.00m x 9.00m)	1.00	24.00
A.1.1(11)	Provision of Furnitures/Fixtures, Equipment and Appliances for the	1.00	228.00
A.1.2(5)	Operation and Maintenance of 4x4 Pick Up Type Service Vehicle	1.00	228.00
B.4(1)	Construction Survey and Staking	2.57	12.83
B.5	Project Billboard/Signboard	2.00	2.00
B.7	Occupational Safety and Health Program	1.00	228.00
B.9	Mobilization & Demobilization	1.00	6.00
101(8)	Removal of Existing Guardrails	-	-
101(9)	Removal of Existing Guardrail Posts	-	-
101(2)	Removal of Existing Headwall	2.00	1.00
101(4)a3	Removal of Actual Structures & Obstructions (910Ø mm RCPC)	4.00	0.13
102(1)	Roadway Excavation (Unsuitable)	14,453.00	45.17
103(1)a	Structure Excavation	96.00	0.60
103(3)	Foundation Fill	19.00	1.90
103(6)a	Pipe Culvert and Drain Excavation	56.00	0.35
104(1)a1	Embankment (from Excavation)	12,297.00	15.37
104(2)a	Embankment (Common Borrow)	46,586.00	58.23
105(1)a	Subgrade Preparation	10,540.00	4.39
200(1)	Aggregate Subbase Course, 0.30m. Thick	10,006.00	25.02
300(1)	Gravel Surface Course, 0.15m thk.	765.00	1.91
311(1)a	Portland Cement Concrete Pavement, 0.15m. Thick	3,427.00	3.99
311(1)e1	PCC Pavement Conventional Method, 280 mm thk.	19,596.00	42.60
404(1)a	Reinforcing Steel Bar, (Grade 40)	1,941.00	1.35
405(1)a3	Structural Concrete, Class "A"	48.00	4.29
500(1)b3	Reinf. Conc. Culvert Pipe, (910mm dia.)	129.00	9.21
505(5)	Grouted Riprap,Class "A"	4,234.00	52.93
506(1)	Stone Masonry	90.00	7.20
612(1)	Reflectorized Thermoplastic Pavement Markings (White)	625.00	3.13
612(2)	Reflectorized Thermoplastic Pavement Markings (Yellow)	71.00	0.36



TOTAL WORKING DAYS	:	228
SUNDAYS & HOLIDAYS		48
INCLEMENT WEATHER & CURING		48
TOTAL NO. OF CAL. DAYS		324

Prepared by :

MICHAEL D. TORINO
Engineer II

Checked by:

JERALD R. BARRERA
Engineer II

Submitted by:

LEONCIO B. SOLAMILLO
Chief, Construction Division

Recommending Approval:

CAYAMOMBAO D. DIA
Assistant Regional Director

Approved:

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

APPROVED BUDGET FOR THE CONTRACT

Construction of By-Pass and Diversion RoadsIpil Circumferential Road: Veterans-Tiayon-Don Andres Section, (Phase IV), Zamboanga Sibugay

Contract Duration : 324.00 C.D.

ITEM NO.	DESCRIPTION	QUANTITY	UNIT	ESTIMATED DIRECT COST	MARK-UPS IN PERCENT		TOTAL MARK-UPS		VAT	TOTAL INDIRECT COST	TOTAL COST	UNIT COST
					OCM	PROFIT	%	VALUE				
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9) (5) x (8)	(10) 5%[(5) + (9)]	(11) (9) + (10)	(12) (5) + (11)	(13) (12) / (3)
PART A - FACILITIES FOR THE ENGINEER												
A.1.1(3)	Construction of Field Office for the Engineer, (7.00m x 9.00m)	1.00	l.s.	474,940.62	10.00	8.00	18.00	85,489.31	28,021.50	113,510.81	588,451.42	588,451.42
A.1.1(11)	Provision of Furnitures/Fixtures. Equipment and Appliances for the	1.00	l.s.	110,145.00	0.00	8.00	8.00	8,811.60	5,947.83	14,759.43	124,904.43	124,904.43
A.1.2(5)	Operation and Maintenance of 4x4 Pick Up Type Service Vehicle	1.00	l.s.	478,565.60	0.00	0.00	0.00	-	23,928.28	23,928.28	502,493.88	502,493.88
PART B - OTHER GENERAL REQUIREMENTS												
B.4(1)	Construction Survey and Staking	2.57	km	78,423.03	10.00	8.00	18.00	14,116.15	4,626.96	18,743.10	97,166.13	37,877.40
B.5	Project Billboard/Signboard	2.00	unit	13,279.20	10.00	8.00	18.00	2,390.26	783.47	3,173.73	16,452.93	8,226.46
B.7	Occupational Safety and Health Program	1.00	l.s.	189,679.04	0.00	8.00	8.00	15,174.32	10,242.67	25,416.99	215,096.03	215,096.03
B.9	Mobilization & Demobilization	1.00	l.s.	1,080,480.00	0.00	0.00	0.00	-	54,024.00	54,024.00	1,134,504.00	1,134,504.00
PART C - EARTHWORKS												
101(2)	Removal of Existing Headwall	2.00	each	25,569.56	10.00	8.00	18.00	4,602.52	1,508.60	6,111.12	31,680.68	15,840.34
101(4)a3	Removal of Actual Structures & Obstructions (910Φ mm RCPC)	4.00	ln.m.	3,114.36	10.00	8.00	18.00	560.58	183.75	744.33	3,858.69	964.67
102(1)	Roadway Excavation (Unsuitable)	14,453.00	cu.m.	3,420,695.21	10.00	8.00	18.00	615,725.14	201,821.02	817,546.16	4,238,241.37	293.24
103(1)a	Structure Excavation	96.00	cu.m.	22,091.10	10.00	8.00	18.00	3,976.40	1,303.38	5,279.77	27,370.88	285.11
103(3)	Foundation Fill	19.00	cu.m.	33,186.90	10.00	8.00	18.00	5,973.64	1,958.03	7,931.67	41,118.57	2,164.14
103(6)a	Pipe Culvert and Drain Excavation	56.00	cu.m.	12,886.48	10.00	8.00	18.00	2,319.57	760.30	3,079.87	15,966.34	285.11
104(1)a1	Embankment (from Excavation)	12,297.00	cu.m.	1,417,624.17	10.00	8.00	18.00	255,172.35	83,639.83	338,812.18	1,756,436.34	142.83
104(2)a	Embankment (Common Borrow)	46,586.00	cu.m.	39,880,648.75	10.00	9.00	19.00	7,577,323.26	2,372,898.60	9,950,221.86	49,830,870.61	1,069.65
105(1)a	Subgrade Preparation	10,540.00	cu.m.	168,413.39	10.00	8.00	18.00	30,314.41	9,936.39	40,250.80	208,664.19	19.80
PART D - SUBBASE AND BASE COURSE												
200(1)	Aggregate Subbase Course, 0.30m. Thick	10,006.00	cu.m.	13,878,855.12	10.00	8.00	18.00	2,498,193.92	818,852.45	3,317,046.37	17,195,901.49	1,718.56
300(1)	Gravel Surface Course, 0.15m thk.	765.00	cu.m.	1,029,424.76	10.00	8.00	18.00	185,296.46	60,736.06	246,032.52	1,275,457.28	1,667.26

ITEM NO.	DESCRIPTION	QUANTITY	UNIT	ESTIMATED DIRECT COST	MARK-UPS IN PERCENT		TOTAL MARK-UPS		VAT	TOTAL INDIRECT COST	TOTAL COST	UNIT COST
					OCM	PROFIT	%	VALUE				
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9) (5) x (8)	(10) 5%[(5) + (9]	(11) (9) + (10)	(12) (5) + (11)	(13) (12) / (3)
PART E - SURFACE COURSE												
311(1)e1	PCC Pavement Conventional Method, 280 mm thk.	19,596.00	sq.m.	31,061,000.80	10.00	8.00	18.00	5,590,980.14	1,832,599.05	7,423,579.19	38,484,579.99	1,963.90
311(1)a	Portland Cement Concrete Pavement, 0.15m. Thick	3,427.00	sq.m.	3,182,303.88	10.00	9.00	19.00	604,637.74	189,347.08	793,984.82	3,976,288.70	1,160.28
404(1)a	Reinforcing Steel Bar, (Grade 40)	1,941.00	Kg.	100,279.99	10.00	8.00	18.00	18,050.40	5,916.52	23,966.92	124,246.91	64.01
405(1)a3	Structural Concrete, Class "A"	48.00	cu.m.	343,123.12	10.00	8.00	18.00	61,762.16	20,244.26	82,006.43	425,129.55	8,856.87
500(1)b3	Reinf. Conc. Culvert Pipe, (910mm dia.)	129.00	ln.m.	404,410.53	10.00	8.00	18.00	72,793.90	23,860.22	96,654.12	501,064.65	3,884.22
505(5)	Grouted Riprap,Class "A"	4,234.00	cu.m.	14,321,642.09	10.00	8.00	18.00	2,577,895.58	844,976.88	3,422,872.46	17,744,514.55	4,190.96
506(1)	Stone Masonry	90.00	cu.m.	356,823.88	10.00	8.00	18.00	64,228.30	21,052.61	85,280.91	442,104.79	4,912.28
PART H - MISCELLANEOUS STRUCTURES												
612(1)	Reflectorized Thermoplastic Pavement Markings (White)	625.00	sq.m.	465,500.64	10.00	8.00	18.00	83,790.12	27,464.54	111,254.65	576,755.30	922.81
612(2)	Reflectorized Thermoplastic Pavement Markings (Yellow)	71.00	sq.m.	55,668.73	10.00	8.00	18.00	10,020.37	3,284.46	13,304.83	68,973.56	971.46
TOTAL				**112,608,775.97**					**6,649,918.73**		**139,648,293.29**	

Submitted :

BELEN A. SAPALLEDA
Head, BAC-TWG

Recommending Approval :

CAYAMOMBAO D. DIA
Assistant Regional Director

Approved :

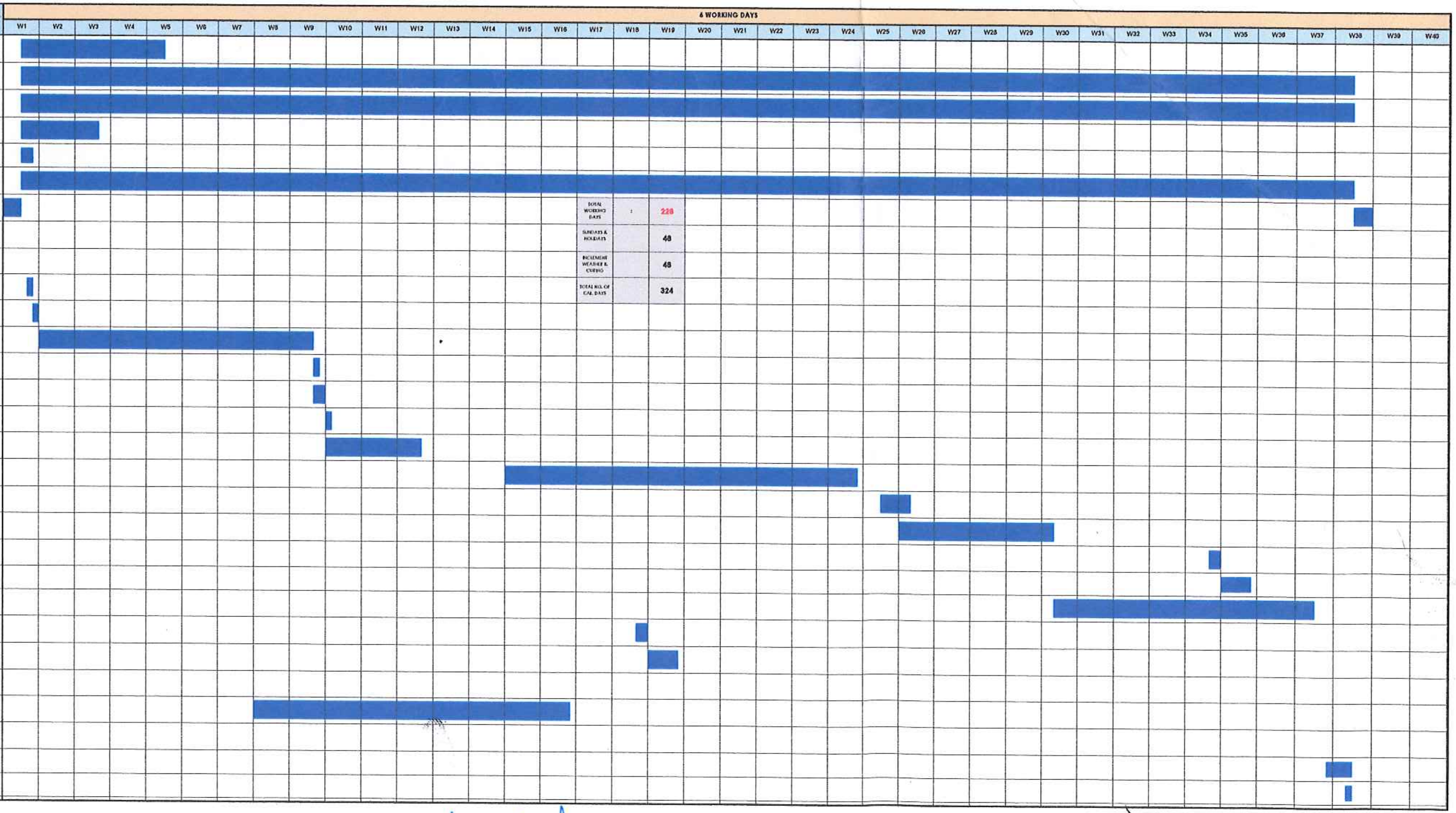
JORGE U. SEBASTIAN, JR., CESO III
Regional Director

PROJECT : Construction of Concrete Road, Ipil Circumferential Road,Veterans-Tiayon-Don Andres Section, Phase 4, Zamboanga Sibugay

NET LENGTH : 10+760.00 - 11+020.00
11+140.00 - 11+160.00
12+900.00 - 13+274.56
13+289.28 - 15+200.00

NET LENGTH = **2.57** KM

ITEM NO.	DESCRIPTION	QUANTITY	DURATION NO. OF DAYS
A.1.1(3)	Construction of Field Office for the Engineer. (7.00m x 9.00m)	1.00	24.00
A.1.1(11)	Provision of Furnitures/Fixtures, Equipment and Appliances for the	1.00	228.00
A.1.2(5)	Operation and Maintenance of 4x4 Pick Up Type Service Vehicle	1.00	228.00
B.4(1)	Construction Survey and Staking	2.57	12.83
B.5	Project Billboard/Signboard	2.00	2.00
B.7	Occupational Safety and Health Program	1.00	228.00
B.9	Mobilization & Demobilization	1.00	6.00
101(8)	Removal of Existing Guardrails	-	-
101(9)	Removal of Existing Guardrail Posts	-	-
101(2)	Removal of Existing Headwall	2.00	1.00
101(4)a3	Removal of Actual Structures & Obstructions (910Φ mm RCPC)	4.00	0.13
102(1)	Roadway Excavation (Unsuitable)	14,453.00	45.17
103(1)a	Structure Excavation	96.00	0.60
103(3)	Foundation Fill	19.00	1.90
103(6)a	Pipe Culvert and Drain Excavation	56.00	0.35
104(1)a1	Embankment (from Excavation)	12,297.00	15.37
104(2)a	Embankment (Common Borrow)	46,586.00	58.23
105(1)a	Subgrade Preparation	10,540.00	4.39
200(1)	Aggregate Subbase Course, 0.30m. Thick	10,006.00	25.02
300(1)	Gravel Surface Course, 0.15m thk.	765.00	1.91
311(1)a	Portland Cement Concrete Pavement, 0.15m. Thick	3,427.00	3.99
311(1)e1	PCC Pavement Conventional Method, 280 mm thk.	19,596.00	42.60
404(1)a	Reinforcing Steel Bar, (Grade 40)	1,941.00	1.35
405(1)a3	Structural Concrete, Class "A"	48.00	4.29
500(1)b3	Reinf. Conc. Culvert Pipe, (910mm dia.)	129.00	9.21
505(5)	Grouted Riprap,Class "A"	4,234.00	52.93
506(1)	Stone Masonry	90.00	7.20
612(1)	Reflectorized Thermoplastic Pavement Markings (White)	625.00	3.13
612(2)	Reflectorized Thermoplastic Pavement Markings (Yellow)	71.00	0.36



TOTAL WORKING DAYS	:	228
SUNDAYS & HOLIDAYS		48
INCLEMENT WEATHER & CURING		48
TOTAL NO. OF CAL. DAYS		324

Prepared by :

MICHAEL D. TORINO
Engineer I

Checked by:

JERALD R. BARRERA
Engineer II

Submitted by: For and in the absence of the Chief, Construction Division

NONOY A. PAWAKI
Engineer - III
OIC - Asst. Chief, Construction Division

Recommending Approval:

CAYAMOMBAO D. DIA
OIC - Assistant Regional Director

Approved:

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

APPROVED BUDGET FOR THE CONTRACT

Construction of Concrete Road, Ipil Circumferential Road,Veterans-Tiayon-Don Andres Section, Phase 4, Zamboanga Sibugay

Contract Duration : 324.00 C.D.

ITEM NO.	DESCRIPTION	QUANTITY	UNIT	ESTIMATED DIRECT COST	MARK-UPS IN PERCENT		TOTAL MARK-UPS		VAT	TOTAL INDIRECT COST	TOTAL COST	UNIT COST
					OCM	PROFIT	%	VALUE				
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9) (5) x (8)	(10) 5%[(5) + (9]	(11) (9) + (10)	(12) (5) + (11)	(13) (12) / (3)
PART A - FACILITIES FOR THE ENGINEER												
A.1.1(3)	Construction of Field Office for the Engineer, (7.00m x 9.00m)	1.00	l.s.	474,940.62	10.00	8.00	18.00	85,489.31	28,021.50	113,510.81	588,451.42	588,451.42
A.1.1(11)	Provision of Furnitures/Fixtures. Equipment and Appliances for the	1.00	l.s.	110,145.00	0.00	8.00	8.00	8,811.60	5,947.83	14,759.43	124,904.43	124,904.43
A.1.2(5)	Operation and Maintenance of 4x4 Pick Up Type Service Vehicle	1.00	l.s.	478,565.60	0.00	0.00	0.00	-	23,928.28	23,928.28	502,493.88	502,493.88
PART B - OTHER GENERAL REQUIREMENTS												
B.4(1)	Construction Survey and Staking	2.57	km	78,423.03	10.00	8.00	18.00	14,116.15	4,626.96	18,743.10	97,166.13	37,877.40
B.5	Project Billboard/Signboard	2.00	unit	13,279.20	10.00	8.00	18.00	2,390.26	783.47	3,173.73	16,452.93	8,226.46
B.7	Occupational Safety and Health Program	1.00	l.s.	189,679.04	0.00	8.00	8.00	15,174.32	10,242.67	25,416.99	215,096.03	215,096.03
B.9	Mobilization & Demobilization	1.00	l.s.	1,080,480.00	0.00	0.00	0.00	-	54,024.00	54,024.00	1,134,504.00	1,134,504.00
PART C - EARTHWORKS												
101(2)	Removal of Existing Headwall	2.00	each	25,569.56	10.00	8.00	18.00	4,602.52	1,508.60	6,111.12	31,680.68	15,840.34
101(4)a3	Removal of Actual Structures & Obstructions (910Φ mm RCPC)	4.00	ln.m.	3,114.36	10.00	8.00	18.00	560.58	183.75	744.33	3,858.69	964.67
102(1)	Roadway Excavation (Unsuitable)	14,453.00	cu.m.	3,420,695.21	10.00	8.00	18.00	615,725.14	201,821.02	817,546.16	4,238,241.37	293.24
103(1)a	Structure Excavation	96.00	cu.m.	22,091.10	10.00	8.00	18.00	3,976.40	1,303.38	5,279.77	27,370.88	285.11
103(3)	Foundation Fill	19.00	cu.m.	33,186.90	10.00	8.00	18.00	5,973.64	1,958.03	7,931.67	41,118.57	2,164.14
103(6)a	Pipe Culvert and Drain Excavation	56.00	cu.m.	12,886.48	10.00	8.00	18.00	2,319.57	760.30	3,079.87	15,966.34	285.11
104(1)a1	Embankment (from Excavation)	12,297.00	cu.m.	1,417,624.17	10.00	8.00	18.00	255,172.35	83,639.83	338,812.18	1,756,436.34	142.83
104(2)a	Embankment (Common Borrow)	46,586.00	cu.m.	39,880,648.75	10.00	9.00	19.00	7,577,323.26	2,372,898.60	9,950,221.86	49,830,870.61	1,069.65
105(1)a	Subgrade Preparation	10,540.00	cu.m.	168,413.39	10.00	8.00	18.00	30,314.41	9,936.39	40,250.80	208,664.19	19.80
PART D - SUBBASE AND BASE COURSE												
200(1)	Aggregate Subbase Course, 0.30m. Thick	10,006.00	cu.m.	13,878,855.12	10.00	8.00	18.00	2,498,193.92	818,852.45	3,317,046.37	17,195,901.49	1,718.56
300(1)	Gravel Surface Course, 0.15m thk.	765.00	cu.m.	1,029,424.76	10.00	8.00	18.00	185,296.46	60,736.06	246,032.52	1,275,457.28	1,667.26

ITEM NO.	DESCRIPTION	QUANTITY	UNIT	ESTIMATED DIRECT COST	MARK-UPS IN PERCENT		TOTAL MARK-UPS		VAT	TOTAL INDIRECT COST	TOTAL COST	UNIT COST
					OCM	PROFIT	%	VALUE				
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9) (5) x (8)	(10) 5%[(5) + (9)]	(11) (9) + (10)	(12) (5) + (11)	(13) (12) / (3)
PART E - SURFACE COURSE												
311(1)e1	PCC Pavement Conventional Method, 280 mm thk.	19,596.00	sq.m.	31,061,000.80	10.00	8.00	18.00	5,590,980.14	1,832,599.05	7,423,579.19	38,484,579.99	1,963.90
311(1)a	Portland Cement Concrete Pavement, 0.15m. Thick	3,427.00	sq.m.	3,182,303.88	10.00	9.00	19.00	604,637.74	189,347.08	793,984.82	3,976,288.70	1,160.28
404(1)a	Reinforcing Steel Bar, (Grade 40)	1,941.00	Kg.	100,279.99	10.00	8.00	18.00	18,050.40	5,916.52	23,966.92	124,246.91	64.01
405(1)a3	Structural Concrete, Class "A"	48.00	cu.m.	343,123.12	10.00	8.00	18.00	61,762.16	20,244.26	82,006.43	425,129.55	8,856.87
500(1)b3	Reinf. Conc. Culvert Pipe, (910mm dia.)	129.00	ln.m.	404,410.53	10.00	8.00	18.00	72,793.90	23,860.22	96,654.12	501,064.65	3,884.22
505(5)	Grouted Riprap,Class "A"	4,234.00	cu.m.	14,321,642.09	10.00	8.00	18.00	2,577,895.58	844,976.88	3,422,872.46	17,744,514.55	4,190.96
506(1)	Stone Masonry	90.00	cu.m.	356,823.88	10.00	8.00	18.00	64,228.30	21,052.61	85,280.91	442,104.79	4,912.28
PART H - MISCELLANEOUS STRUCTURES												
612(1)	Reflectorized Thermoplastic Pavement Markings (White)	625.00	sq.m.	465,500.64	10.00	8.00	18.00	83,790.12	27,464.54	111,254.65	576,755.30	922.81
612(2)	Reflectorized Thermoplastic Pavement Markings (Yellow)	71.00	sq.m.	55,668.73	10.00	8.00	18.00	10,020.37	3,284.46	13,304.83	68,973.56	971.46
T O T A L				**112,608,775.97**					**6,649,918.73**		**139,648,293.29**	

Submitted :

11/14
BELEN A. SAPALLEDA
Head, BAC-TWG

Recommending Approval :

11/16
CAYAMOMBAO D. DIA
OIC - Assistant Regional Director

Approved :

11/16
JORGE U. SEBASTIAN, JR., CESO III
Regional Director

Construction of Concrete Road, Ipil Circumferential Road, Veterans-Tiayon-Don Andres Section, Phase 4, Zamboanga Sibugay

SUMMARY OF DETAILED ESTIMATES

ITEM NO.	DESCRIPTION	EQUIPMENT	LABOR	MATERIALS	TOTAL
A.1.1(3)	Construction of Field Office for the Engineer, (7.00m x 9.00m)	33,798.53	87,665.28	353,476.81	474,940.62
A.1.1(11)	Provision of Furnitures/Fixtures. Equipment and Appliances for the	-	-	110,145.00	110,145.00
A.1.2(5)	Operation and Maintenance of 4x4 Pick Up Type Service Vehicle	-	101,049.60	377,516.00	478,565.60
B.4(1)	Construction Survey and Staking	8,756.57	49,086.46	20,580.00	78,423.03
B.5	Project Billboard/Signboard	-	3,479.20	9,800.00	13,279.20
B.7	Occupational Safety and Health Program	-	135,929.04	53,750.00	189,679.04
B.9	Mobilization & Demobilization	1,080,480.00	-	-	1,080,480.00
101(8)	Removal of Existing Guardrails	-	-	-	-
101(9)	Removal of Existing Guardrail Posts	-	-	-	-
101(2)	Removal of Existing Headwall	23,829.96	1,739.60	-	25,569.56
101(4)a3	Removal of Actual Structures & Obstructions (910Φ mm RCPC)	2,755.95	358.41	-	3,114.36
102(1)	Roadway Excavation (Unsuitable)	3,300,312.56	120,382.65	-	3,420,695.21
103(1)a	Structure Excavation	21,107.92	983.18	-	22,091.10
103(3)	Foundation Fill	2,618.37	3,763.67	26,804.86	33,186.90
103(6)a	Pipe Culvert and Drain Excavation	12,312.95	573.52	-	12,886.48
104(1)a1	Embankment (from Excavation)	1,381,157.23	36,466.94	-	1,417,624.17
104(2)a	Embankment (Common Borrow)	4,315,261.18	115,351.59	35,450,035.97	39,880,648.75
105(1)a	Subgrade Preparation	162,720.03	5,693.36	-	168,413.39
200(1)	Aggregate Subbase Course, 0.30m. Thick	926,855.78	32,429.45	12,919,569.89	13,878,855.12
300(1)	Gravel Surface Course, 0.15m thk.	70,861.95	2,479.37	956,083.44	1,029,424.76
311(1)e1	PCC Pavement Conventional Method, 280 mm thk.	4,102,270.09	276,542.16	26,682,188.55	31,061,000.80
311(1)a	Portland Cement Concrete Pavement, 0.15m. Thick	582,943.70	25,909.24	2,573,450.94	3,182,303.88
404(1)a	Reinforcing Steel Bar, (Grade 40)	8,050.57	5,710.10	86,519.33	100,279.99
405(1)a3	Structural Concrete, Class "A"	19,490.01	41,285.83	282,347.29	343,123.12
500(1)b3	Reinf. Conc. Culvert Pipe, (910mm dia.)	63,824.85	26,419.94	314,165.75	404,410.53
505(5)	Grouted Riprap,Class "A"	1,780,991.88	1,566,922.95	10,973,727.26	14,321,642.09
506(1)	Stone Masonry	25,324.01	30,500.93	300,998.94	356,823.88
612(1)	Reflectorized Thermoplastic Pavement Markings (White)	27,716.18	11,099.25	426,685.22	465,500.64
612(2)	Reflectorized Thermoplastic Pavement Markings (Yellow)	3,326.06	1,260.87	51,081.80	55,668.73
622(1)b	Bio-Engineering Coco Fiber Erosion Control Net (CGN 700)	-	-	-	-
622(2)b	Bio-Engineering Coco Fascine Erosion Control System	-	-	-	-
622(3)a	Bio-Engineered Erosion Control System (vegetation)	-	-	-	-
	TOTAL	**17,956,766.31**	**2,683,082.60**	**91,968,927.06**	**112,608,775.97**

DETAILED UNIT PRICE ANALYSIS

PROJECT NAME : Construction of Concrete Road, Ipil Circumferential Road,
Veterans-Tiayon-Don Andres Section, Phase 4, Zamboanga Sibugay

Item No./Description : 101 (2) Removal of Existing Headwall

Unit of Measurement : each

Output per hour : 0.25 ea./hr.

Quantity : 2.00

	Designation	No. of Person	No. of Days	Daily Rate	Amount
A.	Labor				
	a. Construction Foreman	1	1.00	611.92	611.92
	b. Skilled Laborer	1	1.00	443.20	443.20
	c. Laborer	2	1.00	342.24	684.48
	Sub-total for A				**1,739.60**
	Name and Capacity	No. of Equipment	No. of Days	Daily Rate	Amount
B.	Equipment Cost (2009 ACEL Rates)				
	a. Backhoe (0.80 cu.m.)	1	1.00	12,296.00	12,296.00
	d. Dumptruck (10 cu.m.)	1	1.00	11,360.00	11,360.00
	Minor Tools (10% of Labor)				173.96
	Sub-total for B				**23,829.96**
C.	Total (A + B)				**25,569.56**
D.	Output / day	2.00	ea./day		
	Name and Specification	Quantity	Unit	Unit Cost	Total
E.	Materials				
					-
					-
					-
	Sub-total for E				**-**
F.	Direct Unit Cost (C + E)				**25,569.56**
G.	Overhead Contingencies & Miscellaneous (OCM)		10%		**2,556.96**
H.	Contractors Profit (CP)		8%		**2,045.56**
I.	Value Added Tax (VAT)		5%		**1,508.60**
J.	Total Unit Cost				**15,840.34**

DETAILED UNIT PRICE ANALYSIS

PROJECT NAME : Construction of Concrete Road, Ipil Circumferential Road,
Veterans-Tiayon-Don Andres Section, Phase 4, Zamboanga Sibugay

Item No./Description : 101(4)a3 Removal of Actual Structures & Obstructions (910Φ mm RCPC)

Unit of Measurement : ln.m.

Output per hour : 4.00 ln.m./hr.

Quantity : 4.00

	Designation	No. of Person	No. of Days	Daily Rate	Amount
A.	Labor				
	a. Construction Foreman	1	0.13	611.92	76.49
	b. Skilled Laborer	2	0.13	443.20	110.80
	c. Laborer	4	0.13	342.24	171.12
	Sub-total for A				**358.41**
	Name and Capacity	No. of Equipment	No. of Days	Daily Rate	Amount
B.	Equipment Cost (2009 ACEL Rates)				
	a. Backhoe (0.80 cu.m.)	1	0.13	12,296.00	1,537.00
	b. Boom Truck	1	0.06	8,143.20	508.95
	c. Dump Truck	1	0.06	11,360.00	710.00
	Sub-total for B				**2,755.95**
C.	Total (A + B)				**3,114.36**
D.	Output / day 32.00	l.m./day			
	Name and Specification	Quantity	Unit	Unit Cost	Total
E.	Materials				
	Sub-total for E				-
F.	Direct Unit Cost (C + E)				**3,114.36**
G.	Overhead Contingencies & Miscellaneous (OCM)		10%		**311.44**
H.	Contractors Profit (CP)		8%		**249.15**
I.	Value Added Tax (VAT)		5%		**183.75**
J.	Total Unit Cost				**964.67**

DETAILED UNIT PRICE ANALYSIS

PROJECT NAME : Construction of Concrete Road, Ipil Circumferential Road, Veterans-Tiayon-Don Andres Section, Phase 4, Zamboanga Sibugay
Item No./Description : 102(1) Roadway Excavation (Unsuitable)
Unit of Measurement : cu.m.
Output per hour : 40.00 cu.m./hr.
Quantity : 14,453.00

Note: Use two (2) gang of labor and equipment

	Designation	No. of Person	No. of Days	Daily Rate	Amount
A.	Labor				
	a. Construction Foreman	1	45.17	611.92	27,637.75
	b. Laborer	6	45.17	342.24	92,744.90
	Sub-total for A				**120,382.65**
	Name and Capacity	No. of Equipment	No. of Days	Daily Rate	Amount
B.	Equipment Cost (2009 ACEL Rates)				
	a. Payloader (1.50 cu.m.)-at disposal area	2	4.52	13,864.00	125,235.25
	b. Dumptruck (10 cu.m.)	4	45.17	11,360.00	2,052,326.00
	c. Backhoe (0.80 cu.m.)	2	45.17	12,296.00	1,110,713.05
	Minor Tools (10% of Labor)				12,038.27
	Sub-total for B				**3,300,312.56**
C.	Total (A + B)				**3,420,695.21**
D.	Output / day 320.00	cu.m./day			
	Name and Specification	Quantity	Unit	Unit Cost	Total
E.	Materials				
	Sub-total for E				-
F.	Direct Unit Cost (C + E)				**3,420,695.21**
G.	Overhead Contingencies & Miscellaneous (OCM)		10%		**342,069.52**
H.	Contractors Profit (CP)		8%		**273,655.62**
I.	Value Added Tax (VAT)		5%		**201,821.02**
J.	Total Unit Cost				**293.24**

DETAILED UNIT PRICE ANALYSIS

PROJECT NAME	: Construction of Concrete Road, Ipil Circumferential Road, Veterans-Tiayon-Don Andres Section, Phase 4, Zamboanga Sibugay
Item No./Description	: 103(1)a Structure Excavation
Unit of Measurement	: cu.m.
Output per hour	: 20.00 cu.m./hr.
Quantity	: 96.00

	Designation	No. of Person	No. of Days	Daily Rate	Amount
A.	Labor				
	a. Construction Foreman	1	0.60	611.92	367.15
	b. Laborer	3	0.60	342.24	616.03
	Sub-total for A				**983.18**
	Name and Capacity	No. of Equipment	No. of Days	Daily Rate	Amount
B.	Equipment Cost (2009 ACEL Rates)				
	a. Dumptruck (10 cu.m.)	2	0.60	11,360.00	13,632.00
	b. Backhoe (0.80 cu.m.)	1	0.60	12,296.00	7,377.60
	Minor Tools (10% of Labor)				98.32
	Sub-total for B				**21,107.92**
C.	Total (A + B)				**22,091.10**
D.	Output / day 160.00	cu.m./day			
	Name and Specification	Quantity	Unit	Unit Cost	Total
E.	Materials				- - - - -
	Sub-total for E				**-**
F.	Direct Unit Cost (C + E)				**22,091.10**
G.	Overhead Contingencies & Miscellaneous (OCM)		10%		**2,209.11**
H.	Contractors Profit (CP)		8%		**1,767.29**
I.	Value Added Tax (VAT)		5%		**1,303.38**
J.	Total Unit Cost				**285.11**

DETAILED UNIT PRICE ANALYSIS

PROJECT NAME : Construction of Concrete Road, Ipil Circumferential Road,
Veterans-Tiayon-Don Andres Section, Phase 4, Zamboanga Sibugay

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

Unit of Measurement : cu.m.

Output per hour : 1.25 cu.m./hr.

Quantity : 19.00

	Designation	No. of Person	No. of Days	Daily Rate	Amount
A.	Labor				
	a. Construction Foreman	1	1.90	611.92	1,162.65
	b. Laborer	4	1.90	342.24	2,601.02
	Sub-total for A				**3,763.67**
	Name and Capacity	No. of Equipment	No. of Days	Daily Rate	Amount
B.	Equipment Cost (2009 ACEL Rates)				
	a. Plate Compactor (5Hp)	1	1.90	984.00	1,869.60
	b. Water Truck (16000 gal.)	1	0.02	19,600.00	372.40
	Minor Tools (10% of Labor)				376.37
	Sub-total for B				**2,618.37**
C.	Total (A + B)				**6,382.04**
D.	Output / day	10.00 cu.m./day			
	Name and Specification	Quantity	Unit	Unit Cost	Total
E.	Materials				
	a. Filling Materials	21.85	cu.m.	1,226.77	26,804.86
	Sub-total for E				**26,804.86**
F.	Direct Unit Cost (C + E)				**33,186.90**
G.	Overhead Contingencies & Miscellaneous (OCM)		10%		**3,318.69**
H.	Contractors Profit (CP)		8%		**2,654.95**
I.	Value Added Tax (VAT)		5%		**1,958.03**
J.	Total Unit Cost				**2,164.14**

DETAILED UNIT PRICE ANALYSIS

PROJECT NAME	: Construction of Concrete Road, Ipil Circumferential Road, Veterans-Tiayon-Don Andres Section, Phase 4, Zamboanga Sibugay
Item No./Description	: 103(6)a Pipe Culvert and Drain Excavation
Unit of Measurement	: cu.m.
Output per hour	: 20.00 cu.m./hr.
Quantity	: 56.00

	Designation	No. of Person	No. of Days	Daily Rate	Amount
A.	Labor				
	a. Construction Foreman	1	0.35	611.92	214.17
	b. Laborer	3	0.35	342.24	359.35
	Sub-total for A				**573.52**
	Name and Capacity	No. of Equipment	No. of Days	Daily Rate	Amount
B.	Equipment Cost (2009 ACEL Rates)				
	a. Backhoe (0.80 cu.m.)	1	0.35	12,296.00	4,303.60
	b. Dump Truck (10 cu.m.)	2	0.35	11,360.00	7,952.00
	Minor Tools (10% of Labor)				57.35
	Sub-total for B				**12,312.95**
C.	Total (A + B)				**12,886.48**
D.	Output / day 160.00	cu.m./day			
	Name and Specification	Quantity	Unit	Unit Cost	Total
E.	Materials				
	Sub-total for E				-
F.	Direct Unit Cost (C + E)				**12,886.48**
G.	Overhead Contingencies & Miscellaneous (OCM)		10%		**1,288.65**
H.	Contractors Profit (CP)		8%		**1,030.92**
I.	Value Added Tax (VAT)		5%		**760.30**
J.	Total Unit Cost				**285.11**

DETAILED UNIT PRICE ANALYSIS

PROJECT NAME : Construction of Concrete Road, Ipil Circumferential Road,
Veterans-Tiayon-Don Andres Section, Phase 4, Zamboanga Sibugay

Item No./Description : 104(1)a1 Embankment (from Excavation)

Unit of Measurement : cu.m.

Output per hour : 100.00 cu.m./hr.

Quantity : 12,297.00

Designation		No. of Person	No. of Days	Daily Rate	Amount
A.	Labor				
	For Excavation Work:				
	a. Construction Foreman	1	12.76	611.92	7,806.96
	b. Laborer	2	12.76	342.24	8,732.69
	For Spreading and Compaction:				
	a. Construction Foreman	1	15.37	611.92	9,405.98
	b. Laborer	2	15.37	342.24	10,521.31
	Sub-total for A				**36,466.94**
Name and Capacity		No. of Equipment	No. of Days	Daily Rate	Amount
B.	Equipment Cost				
	For Excavation Work:				
	a. Bulldozer (155Hp), D65A-8	1	12.76	27,032.00	344,877.97
	b. Payloader (1.50 cu.m.)	1	12.76	13,864.00	176,878.82
	c. Dump Truck (10 cu.m.)	2	12.76	11,360.00	289,864.88
	For Spreading and Compaction:				
	a. Motorized Road Grader, G710A	1	15.37	17,384.00	267,213.81
	b. Vibratory Roller (10 m.t.), SP56	1	15.37	14,768.00	227,002.62
	c. Water Truck	1	3.84	19,600.00	75,319.13
	Sub-total for B				**1,381,157.23**
C.	Total (A + B)				**1,417,624.17**
D.	Output / day	800.00	cu.m./day		
Name and Specification		Quantity	Unit	Unit Cost	Total
E.	Materials				
	Sub-total for E				-
F.	Direct Unit Cost (C + E)				**1,417,624.17**
G.	Overhead Contingencies & Miscellaneous (OCM)			10%	**141,762.42**
H.	Contractors Profit (CP)			8%	**113,409.93**
I.	Value Added Tax (VAT)			5%	**83,639.83**
J.	Total Unit Cost				**142.83**

DETAILED UNIT PRICE ANALYSIS

PROJECT NAME : Construction of Concrete Road, Ipil Circumferential Road, Veterans-Tiayon-Don Andres Section, Phase 4, Zamboanga Sibugay

Item No./Description : 104(2)a Embankment (Common Borrow)

Unit of Measurement : cu.m.

Output per hour : 100.00 cu.m./hr.

Quantity : 46,586.00

Note: Use Two (2) gang of labor and equipment

	Designation	No. of Person	No. of Days	Daily Rate	Amount
A.	Labor				
	a. Construction Foreman	1	58.23	611.92	35,633.63
	b. Laborer	4	58.23	342.24	79,717.96
	Sub-total for A				**115,351.59**
	Name and Capacity	No. of Equipment	No. of Days	Daily Rate	Amount
B.	Equipment Cost (2009 ACEL Rates)				
	a. Motorized Road Grader, G710A	2	58.23	17,384.00	2,024,627.56
	b. Vibratory Roller (10 m.t.), SP56	2	58.23	14,768.00	1,719,955.12
	c. Water Truck	2	14.56	19,600.00	570,678.50
	Sub-total for B				**4,315,261.18**
C.	Total (A + B)				**4,430,612.77**
D.	Output / day 800.00	cu.m./day			
	Name and Specification	Quantity	Unit	Unit Cost	Total
E.	Materials				
	a. Common Borrow (w/ 25% Shrinkage Factor)	58,232.50	cu.m.	608.77	35,450,035.97
					-
					-
					-
					-
					-
					-
	Sub-total for E				**35,450,035.97**
F.	Direct Unit Cost (C + E)				**39,880,648.75**
G.	Overhead Contingencies & Miscellaneous (OCM)		10%		**3,988,064.87**
H.	Contractors Profit (CP)		8%		**3,190,451.90**
I.	Value Added Tax (VAT)		5%		**2,352,958.28**
J.	Total Unit Cost				**1,060.66**

DETAILED UNIT PRICE ANALYSIS

PROJECT NAME : Construction of Concrete Road, Ipil Circumferential Road, Veterans-Tiayon-Don Andres Section, Phase 4, Zamboanga Sibugay

Item No./Description : 105(1)a Subgrade Preparation
Unit of Measurement : sq.m.
Output per hour : 300.00 sq.m./hr.
Quantity : 10,540.00

	Designation	No. of Person	No. of Days	Daily Rate	Amount
A.	Labor				
	a. Construction Foreman	1	4.39	611.92	2,687.35
	b. Laborer	2	4.39	342.24	3,006.01
	Sub-total for A				**5,693.36**
	Name and Capacity	No. of Equipment	No. of Days	Daily Rate	Amount
B.	Equipment Cost				
	a. Motorized Road Grader, G710A	1	4.39	17,384.00	76,344.73
	b. Vibratory Roller (10 m.t.), SP56	1	4.39	14,768.00	64,856.13
	c. Water Truck	1	1.10	19,600.00	21,519.17
	Sub-total for B				**162,720.03**
C.	Total (A + B)				**168,413.39**
D.	Output / day 2,400.00	sq.m./day			
	Name and Specification	Quantity	Unit	Unit Cost	Total
E.	Materials				
	Sub-total for E				-
F.	Direct Unit Cost (C + E)				**168,413.39**
G.	Overhead Contingencies & Miscellaneous (OCM)		10%		**16,841.34**
H.	Contractors Profit (CP)		8%		**13,473.07**
I.	Value Added Tax (VAT)		5%		**9,936.39**
J.	Total Unit Cost				**19.80**

DETAILED UNIT PRICE ANALYSIS

PROJECT NAME : Construction of Concrete Road, Ipil Circumferential Road, Veterans-Tiayon-Don Andres Section, Phase 4, Zamboanga Sibugay

Item No./Description : 200(1) Aggregate Subbase Course, 0.30m. Thick

Unit of Measurement : cu.m.

Output per hour : 50.00 cu.m./hr.

Quantity : 10,006.00

	Designation	No. of Person	No. of Days	Daily Rate	Amount
A.	Labor				
	a. Construction Foreman	1	25.02	611.92	15,307.18
	b. Laborer	2	25.02	342.24	17,122.27
	Sub-total for A				**32,429.45**
	Name and Capacity	No. of Equipment	No. of Days	Daily Rate	Amount
B.	Equipment Cost (2009 ACEL Rates)				
	a. Motorized Road Grader, G710A	1	25.02	17,384.00	434,860.76
	b. Vibratory Roller (10 m.t.), SP56	1	25.02	14,768.00	369,421.52
	c. Water Truck	1	6.25	19,600.00	122,573.50
	Sub-total for B				**926,855.78**
C.	Total (A + B)				**959,285.23**
D.	Output / day 400.00	cu.m./day			
	Name and Specification	Quantity	Unit	Unit Cost	Total
E.	Materials				
	a. Aggregate Subbase Course (with shrinkage of 15%)	11,506.90	cu.m.	1,122.77	12,919,569.89
	Sub-total for E				**12,919,569.89**
F.	Direct Unit Cost (C + E)				**13,878,855.12**
G.	Overhead Contingencies & Miscellaneous (OCM)		10%		**1,387,885.51**
H.	Contractors Profit (CP)		8%		**1,110,308.41**
I.	Value Added Tax (VAT)		5%		**818,852.45**
J.	Total Unit Cost				**1,718.56**

DETAILED UNIT PRICE ANALYSIS

PROJECT NAME : Construction of Concrete Road, Ipil Circumferential Road,
Veterans-Tiayon-Don Andres Section, Phase 4, Zamboanga Sibugay

Item No./Description : 300(1) Gravel Surface Course, 0.15m thk.

Unit of Measurement : cu.m.

Output per hour : 50.00 cu.m./hr.

Quantity : 765.00

	Designation	No. of Person	No. of Days	Daily Rate	Amount
A.	Labor				
	a. Construction Foreman	1	1.91	611.92	1,170.30
	b. Laborer	2	1.91	342.24	1,309.07
	Sub-total for A				**2,479.37**
	Name and Capacity	No. of Equipment	No. of Days	Daily Rate	Amount
B.	Equipment Cost				
	a. Motorized Road Grader, G710A	1	1.91	17,384.00	33,246.90
	b. Vibratory Roller (10 m.t.), SP56	1	1.91	14,768.00	28,243.80
	c. Water Truck (1000 gal.)	1	0.48	19,600.00	9,371.25
	Sub-total for B				**70,861.95**
C.	Total (A + B)				**73,341.32**
D.	Output / day 400.00	cu.m./day			
	Name and Specification	Quantity	Unit	Unit Cost	Total
E.	Materials				
	a. Aggregate Surface Course (Uncrushed Grade A) (with shrinkage of 15%)	879.75	cu.m.	1,086.77	956,083.44
	Sub-total for E				**956,083.44**
F.	Direct Unit Cost (C + E)				**1,029,424.76**
G.	Overhead Contingencies & Miscellaneous (OCM)		10%		**102,942.48**
H.	Contractors Profit (CP)		8%		**82,353.98**
I.	Value Added Tax (VAT)		5%		**60,736.06**
J.	Total Unit Cost				**1,667.26**

DETAILED UNIT PRICE ANALYSIS

PROJECT NAME : Construction of Concrete Road, Ipil Circumferential Road,
Veterans-Tiayon-Don Andres Section, Phase 4, Zamboanga Sibugay

Item No./Description : 311(1)a Portland Cement Concrete Pavement, 0.15m. Thick

Unit of Measurement : sq.m.

Output per hour : 107.33 sq.m./hr.

Quantity : 3,427.00

	Designation	No. of Person	No. of Days	Daily Rate	Amount
A.	Labor				
	a. Construction Foreman	1	3.99	611.92	2,442.29
	b. Skilled Laborer	4	3.99	443.20	7,075.59
	c. Laborer	12	3.99	342.24	16,391.36
	Sub-total for A				**25,909.24**
	Name and Capacity	No. of Equipment	No. of Days	Daily Rate	Amount
B.	Equipment Cost (2009 ACEL Rates)				
	a. Batching Plant (30 cu.m.)	1	3.99	14,076.00	56,180.07
	b. Concrete Paver (COMMANDER III, FOUR-TRACK)	1	3.99	54,120.00	216,003.49
	c. Transit Mixer (5 cu.m.)	4	3.99	10,544.00	168,332.66
	d. Payloader (1.50 cu.m.), LX80-2C	1	3.99	13,864.00	55,333.93
	e. Water Truck	1	3.99	19,600.00	78,227.43
	f. Concrete Saw, Blade Ø 14" (7.5 Hp)	1	3.99	261.04	1,041.86
	g. Concrete Vibrator	2	3.99	730.00	5,827.15
	h. Bar Cutter, Single Phase	1	0.40	1,758.00	701.65
	Minor Tools (5% of Labor)				1,295.46
	Sub-total for B				**582,943.70**
C.	Total (A + B)				**608,852.94**
D.	Output / day	858.64	sq.m./day		
	Name and Specification	Quantity	Unit	Unit Cost	Total
E.	Materials				
	a. Reinforcing Steel Bars (Grade 60)	1,130.91	kg.	41.15	46,539.22
	b. Curing Compound	993.83	lit.	45.00	44,722.35
	c. Asphalt Sealant	411.24	lit.	70.75	29,095.23
	d. Steel Forms (Rental)	1,576.42	l.m.	50.00	78,821.00
	e. Sand	282.73	cu.m.	1,226.77	346,840.82
	f. Gravel	514.05	cu.m.	1,333.77	685,623.03
	g. Cement	4,900.61	bags	270.87	1,327,404.57
	h. Concrete Saw (diamond blade 14")	0.51	pcs.	8,000.00	4,112.40
	i. Pipe Sleeve, 2" Ø	26.73	ln.m.	346.00	9,248.79
	j. Grease/Tar	5.14	lit.	203.00	1,043.52
	Sub-total for E				**2,573,450.94**
F.	Direct Unit Cost (C + E)				**3,182,303.88**
G.	Overhead Contingencies & Miscellaneous (OCM)		10%		**318,230.39**
H.	Contractors Profit (CP)		8%		**254,584.31**
I.	Value Added Tax (VAT)		5%		**187,755.93**
J.	Total Unit Cost				**1,150.53**

DETAILED UNIT PRICE ANALYSIS

Name of Project	:	Construction of Concrete Road, Ipil Circumferential Road, Veterans-Tiayon-Don Andres Section, Phase 4, Zamboanga Sibugay
Item No. & Description	:	311(1)e1 PCC Pavement Conventional Method, 280 mm thk.
Unit of Measurement	:	sq.m.
Output per Hour	:	57.50 sq.m./hr.
Quantity	:	19,596.00

	Designation	No. of Persons	No. of Days	Rate/Day	Amount
A.	Labor, (D.O. 40 s2009 & D.O. 12 s2011)				
	a. Construction Foreman	1	42.60	611.92	26,067.79
	b. Skilled Laborer	4	42.60	443.20	75,521.28
	c. Laborer	12	42.60	342.24	174,953.09
	Sub-total for A				**276,542.16**
	Name and Capacity	No. of Units	No. of Days	Rate/Day	Amount
B.	Equipment, (2009 Acel Rates)				
	a. Transit Mixer (5 cu.m.)	4	42.60	10,544.00	1,796,697.60
	b. Concrete Vibrator	2	42.60	730.00	62,196.00
	c. Batching Plant (30cu.m.)	1	42.60	14,076.00	599,637.60
	d. Payloader (1.5 cu.m.), LX80-2C	1	42.60	13,864.00	590,606.40
	e. Concrete Screeder (5.5 HP)	1	42.60	4,360.00	185,736.00
	f. Water Truck	1	42.60	19,600.00	834,960.00
	g. Concrete Saw, Blade Dia. 14" (7.5 HP)	1	42.60	261.04	11,120.30
	h. Bar Cutter, Single Phase	1	4.26	1,758.00	7,489.08
	Minor Tools (5% of Labor)				13,827.11
	Sub-Total				**4,102,270.09**
C.	Total (A + B)				**4,378,812.25**
D.	Output per Day	460 sq.m./day			
	Name and Specification	No. of Units	Unit	Unit Cost	Amount
E.	Materials				
	a. Reinforcing Steel Bars	9,798.00	kg.	41.15	403,207.44
	b. Curing Compound	5,682.84	lit.	45.00	255,727.80
	c. Asphalt Sealant	3,331.32	lit.	70.75	235,690.89
	d. Steel Forms (Rental)	9,014.16	l.m.	60.00	540,849.60
	e. Sand	3,017.78	cu.m.	1,226.77	3,702,118.43
	f. Gravel	5,486.88	cu.m.	1,333.77	7,318,220.57
	g. Cement	52,125.36	bag	270.87	14,118,944.63
	h. Concrete Saw (diamond blade 14"Ø)	2.94	pc.	8,000.00	23,515.20
	i. Pipe Sleeves, 2" dia.	152.85	ln.m.	346.00	52,885.68
	j. Grease/Tar	152.85	lit.	203.00	31,028.31
	Sub-Total				**26,682,188.55**
F.	Direct Cost (C + E)				**31,061,000.80**
G.	Overhead Contigencies and Miscellaneous (OCM)		10%		**3,106,100.08**
H.	Contractor's profit (CP)		8%		**2,484,880.06**
I.	Value Added Tax (VAT)		5%		**1,832,599.05**
J.	Total Unit Cost				**1,963.90**

DETAILED UNIT PRICE ANALYSIS

PROJECT NAME : Construction of Concrete Road, Ipil Circumferential Road,
Veterans-Tiayon-Don Andres Section, Phase 4, Zamboanga Sibugay

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

Unit of Measurement : Kg.

Output per hour : 180.00 Kg./hr.

Quantity : 1,941.00

Designation	No. of Person	No. of Days	Daily Rate	Amount
A. Labor				
a. Construction Foreman	1	1.35	611.92	824.82
b. Skilled Laborer	2	1.35	443.20	1,194.79
c. Laborer	8	1.35	342.24	3,690.49
Sub-total for A				**5,710.10**
Name and Capacity	No. of Equipment	No. of Days	Daily Rate	Amount
B. Equipment Cost (2009 ACEL Rates)				
a. Truck Mounted Crane (31-35 MT)	1	0.20	14,888.00	3,010.17
b. Cargo Truck (10T, 270 Hp)	1	0.20	9,696.00	1,960.41
c. Bar Cutter	1	0.67	1,758.00	1,184.82
d. Bar Bender	1	0.67	2,812.00	1,895.17
Sub-total for B				**8,050.57**
C. Total (A + B)				**13,760.67**
D. Output / day 1,440.00	Kg./day			
Name and Specification	Quantity	Unit	Unit Cost	Total
E. Materials				
a. Reinforcing Steel Bars, Grade 40 (w/ 5% wastage)	2,038.05	kg.	41.15	83,869.86
b. Tie Wire (2% of RSB)	40.76	kg.	65.00	2,649.47
Sub-total for E				**86,519.33**
F. Direct Unit Cost (C + E)				**100,279.99**
G. Overhead Contingencies & Miscellaneous (OCM)			10%	**10,028.00**
H. Contractors Profit (CP)			8%	**8,022.40**
I. Value Added Tax (VAT)			5%	**5,916.52**
J. Total Unit Cost				**64.01**

DETAILED UNIT PRICE ANALYSIS

PROJECT NAME : Construction of Concrete Road, Ipil Circumferential Road, Veterans-Tiayon-Don Andres Section, Phase 4, Zamboanga Sibugay
Item No./Description : 405(1)a3 Structural Concrete, Class "A"
Unit of Measurement : cu.m.
Output per hour : 1.40 cu.m./hr.
Quantity : 48.00

Designation	No. of Person	No. of Days	Daily Rate	Amount
A. Labor				
a. Construction Foreman	1	4.29	611.92	2,622.51
b. Skilled Laborer	4	4.29	443.20	7,597.71
c. Laborer	8	4.29	342.24	11,733.94
Installation & Removal of Formworks/Falseworks:				
a. Skilled Laborer	4	4.29	443.20	7,597.71
b. Laborer	8	4.29	342.24	11,733.94
Sub-total for A				**41,285.83**
Name and Capacity	No. of Equipment	No. of Days	Daily Rate	Amount
B. Equipment Cost (2009 ACEL Rates)				
a. One Bagger Mixer	1	4.29	1,376.00	5,897.14
b. Concrete Vibrator	1	4.29	730.00	3,128.57
c. Water Truck	1	0.43	19,600.00	8,400.00
Minor Tools (5% of Labor)				2,064.29
Sub-total for B				**19,490.01**
C. Total (A + B)				**60,775.83**
D. Output / day 11.20	cu.m./day			
Name and Specification	Quantity	Unit	Unit Cost	Total
E. Materials				
a. Good Lumber - 4 uses	840.00	bd.ft.	42.00	35,280.00
b. Marine Plywood (1/2" x 4' x 8') - 4 uses	19.20	pcs.	750.00	14,400.00
c. Assorted CW Nails	33.60	kg.	80.00	2,688.00
d. Portland Cement	504.00	bag	270.87	136,516.05
e. Sand	24.00	cu.m.	1,226.77	29,442.41
f. Gravel	48.00	cu.m.	1,333.77	64,020.83
Sub-total for E				**282,347.29**
F. Direct Unit Cost (C + E)				**343,123.12**
G. Overhead Contingencies & Miscellaneous (OCM)		10%		**34,312.31**
H. Contractors Profit (CP)		8%		**27,449.85**
I. Value Added Tax (VAT)		5%		**20,244.26**
J. Total Unit Cost				**8,856.87**

DETAILED UNIT PRICE ANALYSIS

PROJECT NAME : Construction of Concrete Road, Ipil Circumferential Road, Veterans-Tiayon-Don Andres Section, Phase 4, Zamboanga Sibugay

Item No./Description : 500(1)b3 Reinf. Conc. Culvert Pipe, (910mm dia.)

Unit of Measurement : ln.m.

Output per hour : 1.75 ln.m./hr.

Quantity : 129.00

	Designation	No. of Person	No. of Days	Daily Rate	Amount
A.	Labor				
	a. Construction Foreman	1	9.21	611.92	5,638.41
	b. Skilled Laborer	2	9.21	443.20	8,167.54
	c. Laborer	4	9.21	342.24	12,613.99
	Sub-total for A				**26,419.94**
	Name and Capacity	No. of Equipment	No. of Days	Daily Rate	Amount
B.	Equipment Cost (2009 ACEL Rates)				
	a. Backhoe (0.80 cu.m)	1	4.61	12,296.00	56,649.43
	b. Plate Compactor (5 Hp)	1	4.61	984.00	4,533.43
	Minor Tools (10% of Labor)				2,641.99
	Sub-total for B				**63,824.85**
C.	Total (A + B)				**90,244.79**
D.	Output / day	14.00	ln.m./day		
	Name and Specification	Quantity	Unit	Unit Cost	Total
E.	Materials				
	a. Portland Cement	139.32	bag	270.87	37,736.94
	b. Sand	7.87	cu.m	1,226.77	9,653.43
	c. R.C. Pipes - Class II (910mm dia.)	129.00	pc.	1,911.00	246,519.00
	d. Sand Bedding/Selected Sandy Soil	16.51	cu.m	1,226.77	20,256.38
	Sub-total for E				**314,165.75**
F.	Direct Unit Cost (C + E)				**404,410.53**
G.	Overhead Contingencies & Miscellaneous (OCM)		10%		**40,441.05**
H.	Contractors Profit (CP)		8%		**32,352.84**
I.	Value Added Tax (VAT)		5%		**23,860.22**
J.	Total Unit Cost				**3,884.22**

DETAILED UNIT PRICE ANALYSIS

PROJECT NAME : Construction of Concrete Road, Ipil Circumferential Road,
Item No./Description : 505(5) Grouted Riprap,Class "A"
Unit of Measurement : cu.m.
Output per hour : 10.00 cu.m./hr.
Quantity : 4,234.00

Note: Use eight (8) gang of labor and equipment

	Designation	No. of Person	No. of Days	Daily Rate	Amount
A.	Labor				
	a. Construction Foreman	1	52.93	611.92	32,385.87
	b. Skilled Laborer	16	52.93	443.20	375,301.76
	c. Laborer	64	52.93	342.24	1,159,235.33
	Sub-total for A				**1,566,922.95**
	Name and Capacity	No. of Equipment	No. of Days	Daily Rate	Amount
B.	Equipment Cost (2009 ACEL Rates)				
	a. One Bagger Mixer	8	52.93	1,376.00	582,598.40
	b. Water Truck	8	2.65	19,600.00	414,932.00
	Minor Tools (5% of Labor)				783,461.48
	Sub-total for B				**1,780,991.88**
C.	Total (A + B)				**3,347,914.83**
D.	Output / day 80.00	cu.m./day			
	Name and Specification	Quantity	Unit	Unit Cost	Total
E.	Materials				
	a. Cement	12,702.00	bag	270.87	3,440,529.42
	b. Sand	1,058.50	cu.m.	1,226.77	1,298,533.08
	c. Gravel Fill	63.51	cu.m.	1,333.77	84,707.55
	d. Weep Holes 50 mm.(2") Ø PVC Pipe	1,270.20	ln.m.	346.00	439,489.20
	e. Filter Cloth	63.51	sq.m.	160.00	10,161.60
	f. Boulders	4,445.70	cu.m.	1,257.77	5,591,655.64
	Miscellaneous (1% of Materials)				108,650.76
	Sub-total for E				**10,973,727.26**
F.	Direct Unit Cost (C + E)				**14,321,642.09**
G.	Overhead Contingencies & Miscellaneous (OCM)		10%		**1,432,164.21**
H.	Contractors Profit (CP)		8%		**1,145,731.37**
I.	Value Added Tax (VAT)		5%		**844,976.88**
J.	Total Unit Cost				**4,190.96**

DETAILED UNIT PRICE ANALYSIS

PROJECT NAME	:	Construction of Concrete Road, Ipil Circumferential Road, Veterans-Tiayon-Don Andres Section, Phase 4, Zamboanga Sibugay
Item No./Description	:	506(1) Stone Masonry
Unit of Measurement	:	cu.m.
Output per hour	:	1.5625 cu.m./hr.
Quantity	:	90.00

	Designation	No. of Person	No. of Days	Daily Rate	Amount
A.	Labor				
	a. Construction Foreman	1	7.20	611.92	4,405.82
	b. Skilled Laborer	2	7.20	443.20	6,382.08
	c. Laborer	8	7.20	342.24	19,713.02
	Sub-total for A				**30,500.93**
	Name and Capacity	No. of Equipment	No. of Days	Daily Rate	Amount
B.	Equipment Cost (2009 ACEL Rates)				
	a. One Bagger Mixer	1	7.20	1,376.00	9,907.20
	b. Water Truck	1	0.36	19,600.00	7,056.00
	c. Backhoe (wheel type 0.28 cu.m.)	1	0.72	7,376.00	5,310.72
	Minor Tools (10% of Labor)				3,050.09
	Sub-total for B				**25,324.01**
C.	Total (A + B)				**55,824.94**
D.	Output / day 12.50	cu.m./day			
	Name and Specification	Quantity	Unit	Unit Cost	Total
E.	Materials				
	a. Cement	495.00	bag	270.87	134,078.26
	b. Sand	27.00	cu.m.	1,226.77	33,122.71
	c. Gravel Fill	1.80	cu.m.	1,333.77	2,400.78
	d. Weep Holes 50 mm.(2") Ø PVC Pipe	27.00	ln.m.	346.00	9,342.00
	e. Filter Cloth	1.35	sq.m.	160.00	216.00
	f. Boulders	94.50	cu.m.	1,257.77	118,859.00
	Miscellaneous (1% of Materials)				2,980.19
	Sub-total for E				**300,998.94**
F.	Direct Unit Cost (C + E)				**356,823.88**
G.	Overhead Contingencies & Miscellaneous (OCM)		10%		**35,682.39**
H.	Contractors Profit (CP)		8%		**28,545.91**
I.	Value Added Tax (VAT)		5%		**21,052.61**
J.	Total Unit Cost				**4,912.28**

DETAILED UNIT PRICE ANALYSIS

PROJECT NAME	:	Construction of Concrete Road, Ipil Circumferential Road, Veterans-Tiayon-Don Andres Section, Phase 4, Zamboanga Sibugay
Item No./Description	:	612(1) Reflectorized Thermoplastic Pavement Markings (White)
Unit of Measurement	:	sq.m.
Output per hour	:	25.00 sq.m./hr.
Quantity	:	625.00

	Designation	No. of Person	No. of Days	Daily Rate	Amount
A.	Labor				
	a. Construction Foreman	1	3.13	611.92	1,912.25
	b. Skilled Laborer	2	3.13	443.20	2,770.00
	c. Laborer	6	3.13	342.24	6,417.00
	Sub-total for A				**11,099.25**
	Name and Capacity	No. of Equipment	No. of Days	Daily Rate	Amount
B.	Equipment Cost (2009 ACEL Rates)				
	a. Cargo Truck /Delivery Truck (5T)	1	3.13	6,264.00	19,575.00
	b. Applicator Machine	1	3.13	750.00	2,343.75
	c. Kneading Machine	1	3.13	1,500.00	4,687.50
	Minor Tools (10% of Labor)				1,109.93
	Sub-total for B				**27,716.18**
C.	Total (A + B)				**38,815.43**
D.	Output / day 200.00	sq.m./day			
	Name and Specification	Quantity	Unit	Unit Cost	Total
E.	Materials				
	a. Thermoplastic Paint (White)	203.13	bag	1,585.00	321,953.13
	b. Glass Beads (Pre-Mix)	20.63	bag	2,500.00	51,562.50
	c. Primer	75.00	liter	282.00	21,150.00
	d. LPG (50kg.)	2.50	cyl.	3,900.00	9,750.00
	e. LPG (12kg.)	1.25	cyl.	936.00	1,170.00
	f. Calsumine	78.13	kg.	10.00	781.25
	Miscellaneous (5% of Materials)				20,318.34
	Sub-total for E				**426,685.22**
F.	Direct Unit Cost (C + E)				**465,500.64**
G.	Overhead Contingencies & Miscellaneous (OCM)		10%		**46,550.06**
H.	Contractors Profit (CP)		8%		**37,240.05**
I.	Value Added Tax (VAT)		5%		**27,464.54**
J.	Total Unit Cost				**922.81**

DETAILED UNIT PRICE ANALYSIS

PROJECT NAME	: Construction of Concrete Road, Ipil Circumferential Road, Veterans-Tiayon-Don Andres Section, Phase 4, Zamboanga Sibugay
Item No./Description	: 612(2) Reflectorized Thermoplastic Pavement Markings (Yellow)
Unit of Measurement	: sq.m.
Output per hour	: 25.00 sq.m./hr.
Quantity	: 71.00

Designation	No. of Person	No. of Days	Daily Rate	Amount
A. Labor				
a. Construction Foreman	1	0.36	611.92	217.23
b. Skilled Laborer	2	0.36	443.20	314.67
c. Laborer	6	0.36	342.24	728.97
Sub-total for A				**1,260.87**
Name and Capacity	No. of Equipment	No. of Days	Daily Rate	Amount
B. Equipment Cost (2009 ACEL Rates)				
a. Cargo Truck	1	0.4	6,264.00	2,223.72
b. Applicator Machine	1	0.4	750.00	266.25
c. Kneading Machine	1	0.4	1,500.00	532.50
d. Traffic Safety Devices	1	0.4	500.00	177.50
Minor Tools (10% of Labor)				126.09
Sub-total for B				**3,326.06**
C. Total (A + B)				**4,586.93**
D. Output / day	200.00 sq.m./day			
Name and Specification	Quantity	Unit	Unit Cost	Total
E. Materials				
a. Thermoplastic Paint (Yellow)	23.08	bag	1,800.00	41,535.00
b. Glass Beads	2.34	bag	2,500.00	5,857.50
c. Primer	8.52	lit.	277.00	2,360.04
d. LPG (50kg.)	0.28	cyl.	3,900.00	1,107.60
e. LPG (12kg.)	0.14	cyl.	936.00	132.91
f. Calsumine	8.88	Kg.	10.00	88.75
Miscellaneous (5% of Materials)				
Sub-total for E				**51,081.80**
F. Direct Unit Cost (C + E)				**55,668.73**
G. Overhead Contingencies & Miscellaneous (OCM)		10%		**5,566.87**
H. Contractors Profit (CP)		8%		**4,453.50**
I. Value Added Tax (VAT)		5%		**3,284.46**
J. Total Unit Cost				**971.46**

DETAILED UNIT PRICE ANALYSIS

Name of Project : Construction of Concrete Road, Ipil Circumferential Road,
Veterans-Tiayon-Don Andres Section, Phase 4, Zamboanga Sibugay

Item No./Description : A.1.1(3) Construction of Field Office for the Engineer, (7.00m x 9.00m)
Unit of Measurement : l.s.
Output per Hour : 1.00
Quantity : 1.00

	Description	No. of Persons	No. of Days	Rate/Day	Amount
A.	Labor, (D.O. 40 s2009 & D.O. 12 s2011)				
	a. Construction Foreman	1	24.00	611.92	14,686.08
	c. Skilled	3	24.00	443.20	31,910.40
	d. Laborer	5	24.00	342.24	41,068.80
	Sub-total for A				**87,665.28**
	Name and Capacity	No. of Units	No. of Days	Rate/Day	Amount
B.	Equipment, (2009 Acel Rates)				
	a. Bagger Mixer	1	12.00	1,376.00	16,512.00
	b. Water Truck (16000L)	1	1.00	8,520.00	8,520.00
	Minor Tools (10% of Labor)				8,766.53
	Sub-total for B				**33,798.53**
C.	Total (A + B)				**121,463.81**
D.	Output / day -	Sq.m./day			
	Name and Specification of Materials	No. of Units	Unit	Unit Cost	Amount
E.	Materials				
	I. *Earthworks (Excavation,Embankment,Bedding)*				
	a. Gravel Bedding G-1	4.00	cu.m.	850.00	3,400.00
	b. Selected Fill	6.00	cu.m.	500.00	3,000.00
	c. Soil Poisoning	1.00	lit.	1,183.00	1,183.00
	II. *Concrete Works (Footing,Column,Beams) Slab on Grade)*				
	a. Portland Cement	72.00	bag	270.87	19,502.29
	b. Crushed Gravel G-1"	10.00	cu.m.	850.00	8,500.00
	c. Washed Sand	4.00	cu.m.	850.00	3,400.00
	III. *Reinforcing Bars (Footing Columns,Beams) Slab on Grade)*				
	a. Deformed Round Bar,Grade 40	550.00	kg.	49.00	26,950.00
	b. No. 16 G.I. Tie Wire	12.00	kg.	65.00	780.00
	IV. *Formworks (Columns & Beams)*				
	a. Coco Lumber	240.00	bd.ft.	15.00	3,600.00
	b. Ordinary Plywood, 1/4"x4'x8'	10.00	pc.	533.00	5,330.00
	c. CWN,Assorted	5.00	kg.	80.00	400.00
	V. *Masonry Works (Masonry Wall & Plastering)*				
	a. CHB 6" Thk.	820.00	pc.	16.00	13,120.00
	b. Portland Cement	65.00	bag	270.87	17,606.24
	c. Washed Sand	5.00	cu.m.	850.00	4,250.00
	d. 10mm dia. x6m RSB	150.00	kg.	43.00	6,450.00
	e. No. 16 G.I. Tie Wire	1.53	kg.	68.00	104.04
	VI. *Doors And Window*				
	a. D-1,Hollow Core Flush Type Swing Door w/ Marine Plywood Facing and Fixed Glass Transom complete with accessories, 0.90m.x2.10m.	2.00	set	1,814.40	3,628.80
	b. W-1,Jalousie Window with Clear Glass Blades on Standard Aluminum Casing and Fixed Clear Glass Transom on Wooden Jamb complete with accessories,1.40mx1.20m	2.00	set	1,273.44	2,546.88
	c. W-2,Jalousie Window with Clear Glass Blades onStandard Aluminum Casing and Fixed Clear Glass Transom on Wooden Jamb complete with accessories,2.80mx1.20m	2.00	set	2,546.88	5,093.76

Name and Specification of Materials	No. of Units	Unit	Unit Cost	Amount
VII. ***Steel Works***				
a. 65 x 65 x 6mm. L	820.00	kg.	52.00	42,640.00
b. 50 x 50 x 6mm. L	400.00	kg.	52.00	20,800.00
c. 50 x 50 x 4mm. L	240.00	kg.	52.00	12,480.00
d. Purlins C- 150 x 50 x 3mm.	31.79	kg.	52.00	1,653.08
e. 16mm. Dia. Cross Bracing	58.34	kg.	43.00	2,508.62
f. 16mm. Dia. Turn Buckle	24.00	pc.	136.00	3,264.00
g. 12mm. Thk. Base Plate	42.38	kg.	50.00	2,119.00
h. 10mm. Thk. Batten Plate	29.08	kg.	50.00	1,454.00
i. 12mm. Dia. Sag Rod	13.12	kg.	43.00	564.16
j. 20mm. Dia x 350mm. Anchor Bolts	12.00	pc.	99.25	1,190.94
k. Welding Rod	20.00	kg.	135.00	2,700.00
l. Primer , Zinc Cromate	2.00	gal.	791.00	1,582.00
VIII ***Roofing Works***				
a. Pre-Painted G.I. Roofing Sheet Long Span, Ga.26	80.00	sq.m.	420.00	33,600.00
b. Pre-Painted Ridge Roll Ga.24, 0.60m. Width	8.00	ln.m.	190.00	1,520.00
c. Pre-Painted Flashing, Ga.24	9.00	ln.m.	190.00	1,710.00
d. Teckscrew 1-1/2"	920.00	pc.	1.00	920.00
e. Roof Sealant	1.00	lit.	435.00	435.00
IX ***Carpentry Works***				
a. Rough Lumber, Sun Dried Tanguile	650.00	bd.ft.	42.00	27,300.00
b. Plywood, Ordinary 1/4" x 4"x 8"	30.00	pc.	533.00	15,990.00
c. Finishing Nails	3.00	kg.	100.00	300.00
d. Common Wire Nails	6.00	kg.	80.00	480.00
X ***Electrical Works***				
a. 2 x 40w Flourescent Lighting Fixture	5.00	set	1,260.00	6,300.00
b. Porcelain Ceiling Outlet w/ Female Socket	1.00	pc.	60.00	60.00
c. Duplex Convenience Outlet	4.00	pc.	170.00	680.00
d. Two Gang Switch	2.00	pc.	132.00	264.00
e. 3.5mm2 THW	2.00	roll	1,200.00	2,400.00
f. 8.0mm2 THW	20.00	m.	38.00	760.00
g. 19mm. dia. PVC Pipe	24.00	pc.	96.00	2,304.00
h. 19mm. dia. PVC Coupling	15.00	pc.	9.00	135.00
i. 19mm. dia. PVC Elbow	20.00	pc.	9.00	180.00
j. 19mm. dia. PVC Clamp	40.00	pc.	15.00	600.00
k. 25mm. dia. RSC Pipe	3.00	pc.	766.00	2,298.00
l. 25mm. dia. RSC Coupling	2.00	pc.	23.00	46.00
m. 25mm. dia. RSC Elbow	2.00	pc.	21.00	42.00
n. 25mm. dia. RSC Clamp	9.00	pc.	25.00	225.00
o. 25mm. dia. Service Entrance Cap	1.00	pc.	201.00	201.00
p. Wire Holder	1.00	pc.	90.00	90.00
q. Utility Box	6.00	pc.	32.00	192.00
r. Octagonal Box	7.00	pc.	34.00	238.00
s. Electrical Tape (Big)	6.00	pc.	31.00	186.00
t. Panel Board (Side Main w/ Branches)	1.00	set	1,627.00	1,627.00
XI ***Painting Works***				
a. Latex, Flat	4.00	gal.	605.00	2,420.00
b. Latex, Semi Gloss	4.00	gal.	605.00	2,420.00
c. Neutralizer	10.00	ltr.	120.00	1,200.00
d. Acri Color	2.00	qrt.	180.00	360.00
e. Masonry Putty	1.00	kg.	148.00	148.00
f. Enamel, Flat Wall	3.00	gal.	870.00	2,610.00
g. Enamel, Semi Gloss	3.00	gal.	870.00	2,610.00
h. Paint Thinner	3.00	gal.	322.00	966.00
i. Glazing Putty	1.00	gal.	150.00	150.00
j. Paint Brush	4.00	pc.	85.00	340.00
k. Paint Roller and Tray	2.00	pc.	75.00	150.00
l. Laquer Thinner	1.00	gal.	450.00	450.00

Name and Specification of Materials		No. of Units	Unit	Unit Cost	Amount
	XII *Plumbing Works*				
	a. Water Closet (Including Fittings and Accessories)	1.00	set	8,820.00	8,820.00
	b. Lavatory (Including Fittings and Accessories)	1.00	set	4,390.00	4,390.00
	c. 1/2" G.I. Pipe S-40	2.00	pc.	400.00	800.00
	d. 1/2" Water Faucet (Bronze)	2.00	pc.	315.00	630.00
	e. 1/2" Assorted Connector	6.00	pc.	35.00	210.00
	f. 4" PVC series 1000	1.00	pc.	735.00	735.00
	g. 2" PVC series 1000	1.00	pc.	346.00	346.00
	h. 4" PVC Assorted Connector	6.00	pc.	73.00	438.00
	i. 2" PVC Assorted Connector	8.00	pc.	50.00	400.00
	Sub-total for E				**353,476.81**
F.	Direct Cost (C + E)				**474,940.62**
G.	Overhead Contigencies and Miscellaneous (OCM)		10%		**47,494.06**
H.	Contractor's profit (CP)		8%		**37,995.25**
I.	Value Added Tax (VAT)		5%		**28,021.50**
J.	Total Unit Cost				**588,451.42**

DETAILED UNIT PRICE ANALYSIS

PROJECT NAME	:	Construction of Concrete Road, Ipil Circumferential Road, Veterans-Tiayon-Don Andres Section, Phase 4, Zamboanga Sibugay	
Item No./Description	:	A.1.1(11)	Provision of Furnitures/Fixtures. Equipment and Appliances for the Field Office for the Field Engineers
Unit of Measurement	:	l.s.	
Output per hour	:	-	
Quantity	:	1.00	

	Designation	No. of Person	No. of Days	Daily Rate	Amount
A.	Labor				
	Sub-total for A				
	Name and Capacity	No. of Equipment	No. of Days	Daily Rate	Amount
B.	Equipment Cost (2009 ACEL Rates)				
	Sub-total for B				
C.	Total (A + B)				
D.	Output / day				
	Name and Specification	Quantity	Unit	Unit Cost	Total
E.	Materials				
	Office Equipment/Facilities & Supplies				
	a. Office Table,Excecutive Type w/ chair	1.00	unit	7,000.00	7,000.00
	b. 1/2" Wooden Ofiice Table	1.00	each	2,500.00	2,500.00
	c. Drawing Table	1.00	unit	5,000.00	5,000.00
	d. Electric Desk Fan	2.00	unit	1,800.00	3,600.00
	e. Folding Beds, Good Quality	2.00	each	2,700.00	5,400.00
	f. 6" Sleeping Bed w/pillows and Blanket	2.00	each	5,000.00	10,000.00
	g. Double Burner Gas Stove (Gasul)	1.00	unit	3,700.00	3,700.00
	h. 10 Cups Rice Cooker	1.00	unit	2,500.00	2,500.00
	i. Aluminum Cookware	1.00	set	3,500.00	3,500.00
	j. Plate, Glass, Spoon and Fork	1.00	doz.	2,000.00	2,000.00
	k. 6 Seater Dining Table	1.00	each	2,800.00	2,800.00
	l. Monoblock Backrest Chair	1.00	doz.	2,500.00	2,500.00
	m. Plastic Pail & Basin	2.00	pc.	500.00	1,000.00
	n. White Board	1.00	unit	7,000.00	7,000.00
	o. Bond Paper (Long)	15.00	ream	300.00	4,500.00
	p. Bond Paper (Short)	15.00	ream	270.00	4,050.00
	q. Yellow Pad	4.00	pad	35.00	140.00
	r. White Board Marker (Assorted colors)	8.00	pc.	75.00	600.00
	s. Sign Pen (Assoreted Colors)	2.00	doz.	800.00	1,600.00
	t. Ball Pen	2.00	box	180.00	360.00
	u. Mechanical Pencil	3.00	unit	350.00	1,050.00
	v. Pencil Lead, No.5	3.00	box	145.00	435.00
	w. Puncher	2.00	unit	250.00	500.00
	x. Staple Padw/wire	2.00	unit	275.00	550.00
	y. Cutter Blade	2.00	box	238.50	477.00
	z. Scotch Tape	6.00	roll	48.00	288.00
	aa. Brown Envelop	6.00	doz.	125.00	750.00
	bb. Folder, long	5.00	doz.	85.00	425.00
	cc. Folder, short	3.00	doz.	70.00	210.00
	dd. Data File Folder	6.00	pc.	85.00	510.00
	Lighting/Water Fixtures:				
	a. Electric Bill	8.00	mo.	2,000.00	16,000.00
	b. Water Bill	8.00	mo.	1,500.00	12,000.00
	c. LPG Gasul (11 Kg.)	8.00	mo.	900.00	7,200.00
	Sub-total for E				**110,145.00**
F.	Direct Unit Cost (C + E)				**110,145.00**
G.	Overhead Contingencies & Miscellaneous (OCM)		10%		**-**
H.	Contractors Profit (CP)		8%		**8,811.60**
I.	Value Added Tax (VAT)		5%		**5,947.83**
J.	Total Unit Cost				**124,904.43**

DETAILED UNIT PRICE ANALYSIS

PROJECT NAME	:	Construction of Concrete Road, Ipil Circumferential Road, Veterans-Tiayon-Don Andres Section, Phase 4, Zamboanga Sibugay
Item No./Description	:	A.1.2(5) Operation and Maintenance of 4x4 Pick Up Type Service Vehicle for the Engineer
Unit of Measurement	:	l.s.
Output per hour	:	
Quantity	:	1.00

	Designation	No. of Person	No. of Days	Daily Rate	Amount
A.	Labor				
	a. Service Driver	1	228.00	443.20	101,049.60
	Sub-total for A				**101,049.60**
	Name and Capacity	No. of Equipment	No. of Mos.	Monthly Rate	Amount
B.	Equipment Cost				-
	Sub-total for B				-
C.	Total (A + B)				**101,049.60**
D.	Output / day				
	Name and Specification	Quantity	Unit	Unit Cost	Total
E.	Materials				
	a. Fuel (20 Liters per Day)	4,560.00	lit.	53.00	241,680.00
	b. Engine Oil Lubr icants, Greasing (20 % of Fuel)	1.00	l.s.	48,336.00	48,336.00
	c. Tires	5.00	each	9,500.00	47,500.00
	d. Spare Parts	1.00	l.s.	40,000.00	40,000.00
	Sub-total for E				**377,516.00**
F.	Direct Unit Cost (C + E)				**478,565.60**
G.	Overhead Contingencies & Miscellaneous (OCM)		10%		-
H.	Contractors Profit (CP)		8%		-
I.	Value Added Tax (VAT)		5%		**23,928.28**
J.	Total Unit Cost				**502,493.88**

DETAILED UNIT PRICE ANALYSIS

PROJECT NAME : Construction of Concrete Road, Ipil Circumferential Road,
Veterans-Tiayon-Don Andres Section, Phase 4, Zamboanga Sibugay

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

Unit of Measurement : km

Output per hour : 0.04

Quantity : 2.57

Designation	No. of Person	No. of Days	Daily Rate	Amount
A. Labor				
(For Field Works) Output: 0.30 km/day				
a. Geodetic Engineer	2	4.28	906.36	7,750.22
b. Skilled Laborer	2	4.28	443.20	3,789.77
c. Laborer	2	4.28	342.24	2,926.47
(For Office Works) Output: 0.10 km/day				
a. Geodetic Engineer	2	12.83	906.36	23,250.67
b. Skilled Laborer	2	12.83	443.20	11,369.32
Sub-total for A				**49,086.46**
Name and Capacity	No. of Equipment	No. of Days	Daily Rate	Amount
B. Equipment Cost (2014 ACEL Rates)				
a. Total Station w/ complete accessories	1	4.28	900.00	3,847.92
Minor Tools (10% of Labor)				4,908.65
Sub-total for B				**8,756.57**
C. Total (A + B)				**57,843.03**
D. Output / day 0.32	km/day			
Name and Specification	Quantity	Unit	Unit Cost	Total
E. Materials				
a. Standard Stake Plan (800mm x 910mm)	40.00	pcs	250.00	10,000.00
b. Blue Printing	240.00	pcs	40.00	9,600.00
Miscellaneous (5% of Materials)				980.00
Sub-total for E				**20,580.00**
F. Direct Unit Cost (C + E)				**78,423.03**
G. Overhead Contingencies & Miscellaneous (OCM)		10%		**7,842.30**
H. Contractors Profit (CP)		8%		**6,273.84**
I. Value Added Tax (VAT)		5%		**4,626.96**
J. Total Unit Cost				**37,877.40**

DETAILED UNIT PRICE ANALYSIS

PROJECT NAME : Construction of Concrete Road, Ipil Circumferential Road,
Veterans-Tiayon-Don Andres Section, Phase 4, Zamboanga Sibugay

Item No./Description : B.5 Project Billboard/Signboard
Unit of Measurement : unit
Output per hour :
Quantity : 2.00

Designation	No. of Person	No. of Days	Daily Rate	Amount
A. Labor				
a. Construction Foreman	1	2.0	611.92	1,223.84
b. Carpenter	1	2.0	443.20	886.40
c. Laborer	2	2.0	342.24	1,368.96
Sub-total for A				**3,479.20**
Name and Capacity	No. of Equipment	No. of Days	Daily Rate	Amount
B. Equipment Cost (2009 ACEL Rates)				
Sub-total for B				-
C. Total (A + B)				**3,479.20**
D. Output / day				
Name and Specification	Quantity	Unit	Unit Cost	Total
E. Materials				
a. 1/4" thk. 4' x 8' Marine Plywood	2.00	pc.	482.00	964.00
b. Tarpaulin (4' x 8')	2.00	pc.	1,200.00	2,400.00
c. Assorted Sizes Lumber	150.00	bd.ft.	42.00	6,300.00
d. C.W. Nails, Assorted Sizes	2.00	kg.	68.00	136.00
Sub-total for E				**9,800.00**
F. Direct Unit Cost (C + E)				**13,279.20**
G. Overhead Contingencies & Miscellaneous (OC		10%		**1,327.92**
H. Contractors Profit (CP)		8%		**1,062.34**
I. Value Added Tax (VAT)		5%		**783.47**
J. Total Unit Cost				**8,226.46**

DETAILED UNIT PRICE ANALYSIS

PROJECT NAME : Construction of Concrete Road, Ipil Circumferential Road,
Veterans-Tiayon-Don Andres Section, Phase 4, Zamboanga Sibugay

Item No./Description : B.7 Occupational Safety and Health Program
Unit of Measurement : l.s.
Output per hour :
Quantity : 1.00

Designation	No. of Person	No. of Days	Daily Rate	Amount
A. Labor				
a. Safety Practitioner	1	57.00	611.92	34,879.44
b. First Aider	1	228.00	443.20	101,049.60
Sub-total for A				**135,929.04**
Name and Capacity	No. of Equipment	No. of Days	Daily Rate	Amount
B. Equipment Cost (2009 ACEL Rates)				
Sub-total for B				-
C. Total (A + B)				**135,929.04**
D. Output / day				
Name and Specification	Quantity	Unit	Unit Cost	Total
E. Materials				
a. Pairs, Rubber Boots Men, Long with Steel Toe, Black	50.00	pair	400.00	20,000.00
b. Pairs, Working Gloves (Leather Materials)	50.00	pair	175.00	8,750.00
c. Pcs., Rain Coats (Rainforced, Hip Length Small, Medium & Large)	50.00	pc.	150.00	7,500.00
d. Hard Hat	50.00	pc.	250.00	12,500.00
e. Medical Supplies	1.00	set	5,000.00	5,000.00
Sub-total for E				**53,750.00**
F. Direct Unit Cost (C + E)				**189,679.04**
G. Overhead Contingencies & Miscellaneous (OCM)		10%		**18,967.90**
H. Contractors Profit (CP)		8%		**15,174.32**
I. Value Added Tax (VAT)		5%		**11,191.06**
J. Total Unit Cost				**235,012.33**

DETAILED UNIT PRICE ANALYSIS

PROJECT NAME : Construction of Concrete Road, Ipil Circumferential Road, Veterans-Tiayon-Don Andres Section, Phase 4, Zamboanga Sibugay
Item No./Description : B.9 Mobilization & Demobilization
Unit of Measurement : l.s.
Output per hour :
Quantity : 1.00

Designation	No. of Person	No. of Days	Daily Rate	Amount
A. Labor				-
Sub-total for A				-
Name and Capacity	**No. of Equipment**	**No. of Days**	**Daily Rate**	**Amount**
B. Equipment Cost (2009 ACEL Rates)				
a. Transit Mixer (5 cu.m.)	2	6.00	10,544.00	126,528.00
b. Payloader (1.50 cu.m.), LX80-2C	2	6.00	13,864.00	166,368.00
c. Dump Truck (10 cu.m.)	2	6.00	11,360.00	136,320.00
d. Bulldozer (155 HP), D65A-8	2	6.00	27,032.00	324,384.00
e. Concrete Paver, GP-2000 Slipform			-	-
f. Motorized Road Grader, G710A			-	-
g. Vibratory Roller (10 m.t.), SP56			-	-
h. Water Truck	2	6.00	19,600.00	235,200.00
i. Cargo Truck (10T)	2	6.00	6,264.00	75,168.00
j. Conc. Mixer (1 bagger)	2	6.00	1,376.00	16,512.00
Sub-total for B				**1,080,480.00**
C. Total (A + B)				**1,080,480.00**
D. Output / day				
Name and Specification	**Quantity**	**Unit**	**Unit Cost**	**Total**
E. Materials				-
Sub-total for E				-
F. Direct Unit Cost (C + E)				**1,080,480.00**
G. Overhead Contingencies & Miscellaneous (OCM)		10%		-
H. Contractors Profit (CP)		8%		-
I. Value Added Tax (VAT)		5%		**54,024.00**
J. Total Unit Cost				**1,134,504.00**