



DPWH REGIONAL OFFICE IX

PROGRAM OF WORKS/BUDGET COST

Project : **CONCRETING OF BRGY. BATU UGIS FMR , BRGY.BATU UGIS, MAIMBUNG, SULU**

Project ID : _____

Location : **MAIMBUNG, SULU**

Station Limits : **KM 00 + 000.00 - KM 00 + 642.00**

Appropriation : **Php 15,000,000.00**

Source of Fund : **CY 2019 REGULAR INFRA**

Net Length : (a) Road **642.00** In.m. = **1.284** lane.km.
 (b) Bridge _____
 (c) Others _____

Target Start Date : _____

Total Project Duration : **109** CD

No. of Pre-determined : **18** CD

Unworkable Days : **9** CD

DESCRIPTION OF WORKS TO BE DONE	QUANTITY	UNIT	AS SUBMITTED		AS EVALUATED	
			% TOTAL	TOTAL DIRECT COST	% TOTAL	TOTAL DIRECT COST
Part A: Facilities for the Engineer			0.00	-		
B: Other General Requirements			3.07	365,232.43		
C: Earthworks			5.97	709,737.90		
D: Subbase and Base Course			43.88	5,214,459.06		
E: Surface Courses			45.02	5,350,257.46		
F: Bridge Construction			0.00	-		
G: Drainage and Slope Protection Structures			1.02	121,267.25		
H: Miscellaneous Structures			1.03	122,701.47		
Total			100.00	11,883,655.58		

EQUIPMENT:

DESCRIPTION	REQUIRED
(PLS. SEE FORM POW-ANNEX B-00)	

BREAKDOWN OF EXPENDITURES:

	AS SUBMITTED	AS EVALUATED
1. Labor	143,844.18	
2. Materials	10,222,296.58	
3. Rental of Equipment	1,517,514.81	
4. Provisional Sum / Daywork		
5. OCM and Profit	2,330,990.72	
6. Value Added Tax	710,732.31	
7. EAO, %	74,621.39	
8. RROW Acquisition	(0.00)	
9. Physical Reserved (Contingency)		
10. TOTAL ESTIMATED COST	15,000,000.00	

	AS SUBMITTED	AS EVALUATED
A. Total Direct Cost	11,883,655.58	
B. OCM and Profit	2,330,990.72	
C. Value Added Tax	710,732.31	
D. Total Construction Cost	14,925,378.61	
E. Eng'g & Administrative Overhead, %	74,621.39	
F. RROW Acquisition	(0.00)	
G. Physical Reserved (Contingency)		
H. TOTAL ESTIMATED COST	15,000,000.00	

Preparation and Submission:

Prepared by:

JOSEPHINE B. RENGQUIJO
 Engineer II
 DPWH RO9

Checked/Submitted by:

PIO MARIO T. LACASTESANTOS
 Engineer III
 DPWH RO9

Evaluation:

Reviewed as to Unit Cost:

SATURNINO C. TORREFRANCA
 OIC-Chief, Planning & Design Division
 DPWH RO9

Approval:

Recommending Approval:

KHADAFY D. MANGGOL
 Assistant Regional Director
 DPWH RO9

Approved:

CAYAMONERO D. DIA, CESO IV
 Regional Director
 DPWH RO9



DPWH REGIONAL OFFICE IX

CONCRETING OF BRGY. BATU UGIS FMR, BRGY.BATU UGIS, MAIMBUNG, SULU

MAIMBUNG, SULU

APPROVED BUDGET FOR THE CONTRACT

Contract Duration :

109

ITEM NO.	DESCRIPTION	ESTIMATED DIRECT COST	TOTAL MARK-UP		VAT	TOTAL INDIRECT COST	TOTAL COST	UNIT COST
			%	VALUE				
PART A	FACILITIES FOR THE ENGINEER	AS EVALUATED						
		AS SUBMITTED		-	-	-	-	
PART B	OTHER GENERAL REQUIREMENTS	AS EVALUATED						
		AS SUBMITTED		365,232.43	19,626.93	46,933.02	412,165.44	
PART C	EARTHWORKS	AS EVALUATED						
		AS SUBMITTED		709,737.90	42,584.27	184,531.85	894,269.75	
PART D	SUBBASE AND BASE COURSE	AS EVALUATED						
		AS SUBMITTED		5,214,459.06	312,867.54	1,355,759.36	6,570,218.42	
PART E	SURFACE COURSE	AS EVALUATED						
		AS SUBMITTED		5,350,257.46	321,015.45	1,391,066.94	6,741,324.40	
PART F	BRIDGE CONSTRUCTION	AS EVALUATED						
		AS SUBMITTED		-	-	-	-	
PART G	DRAINAGE AND SLOPE PROTECTION	AS EVALUATED						
		AS SUBMITTED		121,267.25	7,276.04	31,529.49	152,796.74	
PART H	MISCELLANEOUS STRUCTURES	AS EVALUATED						
		AS SUBMITTED		122,701.47	7,362.09	31,902.38	154,603.85	
TOTAL		AS EVALUATED						
		AS SUBMITTED		11,883,655.58	710,732.31	3,041,723.03	14,925,378.61	

Preparation and Submission:

Prepared by:

Checked/Submitted by:

Evaluation:

Reviewed as to Unit Cost:

Approval:

Recommending Approval:

Approved:

JOSEPHINE B. RENGQUIJO

Engineer II
DPWH RO9

PIO MARIO T. LACASTESANTOS

Engineer III
DPWH RO9

SATURNINO C. TORREFRANCA

OIC-Chief, Planning & Design Division
DPWH RO9

KHADAFFY D. TANGGOL

Assistant Regional Director
DPWH RO9

CAYAMOMBAC D. DIA, CESO IV

Regional Director
DPWH RO9



DPWH REGIONAL OFFICE IX
CONCRETING OF BRGY. BATU UGIS FMR , BRGY.BATU UGIS, MAIMBUNG, SULU
MAIMBUNG, SULU

APPROVED BUDGET FOR THE CONTRACT

Contract Duration :

ITEM NO.	DESCRIPTION		QUANTITY	UNIT	ESTIMATED DIRECT COST	TOTAL MARK-UP		VAT	TOTAL INDIRECT COST	TOTAL COST	UNIT COST
						%	VALUE				
PART A	FACILITIES FOR THE ENGINEER										
	TOTAL OF PART A	AS EVALUATED									
		AS SUBMITTED			-		-	-	-	-	
PART B	OTHER GENERAL REQUIREMENTS										
B.5	Project Billboard/Signboard	AS EVALUATED									
		AS SUBMITTED	4.00	units	10,675.36	20%	2,135.07	640.52	2,775.59	13,450.95	3,362.74
B.4 (1)	Construction Survey and Staking	AS EVALUATED									
		AS SUBMITTED	0.64	km.	18,777.83	20%	3,755.57	1,126.67	4,882.23	23,660.06	36,853.68
B.7	Occupational Safety and Health Program	AS EVALUATED									
		AS SUBMITTED	1.00	L. S.	267,693.16	8%	21,415.45	14,455.43	35,870.88	303,564.04	303,564.04
B.9	Mobilization & Demobilization	AS EVALUATED									
		AS SUBMITTED	1.00	L. S.	68,086.08	0%	-	3,404.30	3,404.30	71,490.38	71,490.38
	TOTAL OF PART B	AS EVALUATED									
		AS SUBMITTED			365,232.43		27,306.09	19,626.93	46,933.02	412,165.44	

Preparation and Submission:

Prepared by:

JOSEPHINE B. RENGQUIJO
Engineer II
DPWH RO9

Checked/Submitted by:

PIO MARIO T. LACASTESANTOS
Engineer III
DPWH RO9

Evaluation:

Reviewed as to Unit Cost:

SATURNINO C. TORREFRANCA
OIC-Chief, Planning & Design Division
DPWH RO9

PART C	EARTHWORKS										
102(2)	Surplus Common Excavation	AS EVALUATED									
		AS SUBMITTED	3,040.00	cu.m.	441,327.44	20%	88,265.49	26,479.65	114,745.13	556,072.57	182.92
103(3)	Foundation Fill	AS EVALUATED									
		AS SUBMITTED	1.00	cu. m.	2,575.28	20%	515.06	154.52	669.57	3,244.85	3,244.85
103(6)a	Pipe Culvert and Drain Excavation	AS EVALUATED									
		AS SUBMITTED	8.00	cu.m.	1,845.10	20%	369.02	110.71	479.73	2,324.83	290.60
104(1)a1	Embankment from Roadway Excavation	AS EVALUATED									
		AS SUBMITTED	781.00	cu.m.	180,713.14	20%	36,142.63	10,842.79	46,985.42	227,698.56	291.55
105(1)a	Subgrade Preparation	AS EVALUATED									
		AS SUBMITTED	5,187.00	sq.m.	83,276.94	20%	16,655.39	4,996.62	21,652.00	104,928.94	20.23
	TOTAL OF PART C	AS EVALUATED									
		AS SUBMITTED			709,737.90		141,947.58	42,584.27	184,531.85	894,269.75	
PART D	SUBBASE AND BASE COURSE										
200(1)	Aggregate Subbase Course, 0.30 m. thick	AS EVALUATED									
		AS SUBMITTED	2,022.00	cu. m.	5,214,459.06	20%	1,042,891.81	312,867.54	1,355,759.36	6,570,218.42	3,249.37
	TOTAL OF PART D	AS EVALUATED									
		AS SUBMITTED			5,214,459.06		1,042,891.81	312,867.54	1,355,759.36	6,570,218.42	

Preparation and Submission:

Prepared by:

JOSEPHINE B. RENGQUIJO

Engineer II
DPWH RO9

Checked/Submitted by:

PIO MARIO T. LACASTESANTOS

Engineer III
DPWH RO9

Evaluation:

Reviewed as to Unit Cost:

SATURNINO C. TORREFRANCA
OIC-Chief, Planning & Design Division

DPWH RO9

PART E	SURFACE COURSES									
311(1)c1	Portland Cement Concrete Pavement, 0.23m. Thk.	AS EVALUATED								
		AS SUBMITTED	3,210.00	sq. m.	5,350,257.46	20%	1,070,051.49	321,015.45	1,391,066.94	6,741,324.40
	TOTAL OF PART E	AS EVALUATED								
		AS SUBMITTED			5,350,257.46		1,070,051.49	321,015.45	1,391,066.94	6,741,324.40
PART F	BRIDGE CONSTRUCTION									
	TOTAL OF PART F	AS EVALUATED								
		AS SUBMITTED			-		-	-	-	-
PART G	DRAINAGE AND SLOPE PROTECTION STRUCTURES									
500(1)b3	Pipe Culvert & Storm Drain, 910 mm dia.	AS EVALUATED								
		AS SUBMITTED	11.00	ln. m.	46,222.89	20%	9,244.58	2,773.37	12,017.95	58,240.84
505(2)a	Grouted Riprap, Class "A"	AS EVALUATED								
		AS SUBMITTED	4.00	cu. m.	20,724.95	20%	4,144.99	1,243.50	5,388.49	26,113.44
506(1)	Stone Masonry	AS EVALUATED								
		AS SUBMITTED	9.00	cu. m.	54,319.41	20%	10,863.88	3,259.16	14,123.05	68,442.46
	TOTAL OF PART G	AS EVALUATED								
		AS SUBMITTED			121,267.25		24,253.45	7,276.04	31,529.49	152,796.74

Preparation and Submission:

Prepared by:

JOSEPHINE B. RENGQUIJO
Engineer II
DPWH RO9

Checked/Submitted by:

PIO MARIO T. LACASTESANTOS
Engineer III
DPWH RO9

Evaluation:

Reviewed as to Unit Cost:

SATURMINO C. TORREFRANCA
OIC-Chief, Planning & Design Division
DPWH RO9

PART H	MISCELLANEOUS STRUCTURES										
612(1)	Reflectorized Thermoplastic Pavement Marking, White	AS EVALUATED									
		AS SUBMITTED	161.00	sq.m.	122,701.47	20%	24,540.29	7,362.09	31,902.38	154,603.85	960.27
612(2)	Reflectorized Thermoplastic Pavement Marking, Yellow	AS EVALUATED									
		AS SUBMITTED	-	sq.m.	-	20%	-	-	-	-	#DIV/0!
	TOTAL OF PART H	AS EVALUATED									
		AS SUBMITTED			122,701.47		24,540.29	7,362.09	31,902.38	154,603.85	
	GRAND TOTAL	AS EVALUATED									
		AS SUBMITTED			11,883,655.58		2,330,990.72	710,732.31	3,041,723.03	14,925,378.61	

Preparation and Submission:

Prepared by:

JOSEPHINE B. RENQUIJO
Engineer II
DPWH RO9

Checked/Submitted by:

PIO MARIO J. LACUSTESANTOS
Engineer III
DPWH RO9

Evaluation:

Reviewed as to Unit Cost

SATURNINO C. TORREFRANCA
OIC-Chief, Planning & Design Division
DPWH RO9



CONCRETING OF BRGY. BATU UGIS FMR , BRGY.BATU UGIS, MAIMBUNG, SULU
MAIMBUNG, SULU

MINIMUM EQUIPMENT REQUIREMENT							
No.	Equipment Description	Capacity	Number of Equipment	No.	Equipment Description	Capacity	Number of Equipment
1	Bulldozer (D6H SERIES II PSDS/DD)		1	31	Air Compressor		
2	Htdraulic Telescopic Boom Truck			32	Drilling Machione Dry Type		
3	Payloader (LX80-2C)	1.50 m3/1.95 yd3	2	33	Pull Out Tester		
4	Motorized Road Grader (G710A)		2	34	Grouting Machine		
5	Vibratory Roller (SD100DC)	10mt	2	35	Power Spray		
6	Plate Compactor (400-500 GASOLINE ENGINE)		2	36			
7	Backhoe (SE 130 LC -2)		2	37			
8	Backhoe with Breaker (SE 130 - LC - 2)		2	38			
9	Concrete Screeder (Wacker Truss Screed)		2	39			
10	One Bagger Mixer	4-6ft3/min	2	40			
11	Transit Mixer (All Models)	5-6 ya3	4	41			
12	Dump Truck (All Models)	12 yd3	8	42			
13	Cargo/Service Truck (All Models)	9 - 10 mt	2	43			
14	Boom Truck (All Models)	2-5 mt	1	44			
15	Water Truck/pump (All Makes)	16000 L	1	45			
16	Water Pump, 100 mm suction dia.	50 (mm)	1	46			
17	Welding Machine (Gas /Diesel Driven)		1	47			
18	Concrete Vibrator		2	48			
19	Concrete Saw		2	49			
20	Bar Cutter		1	50			
21	Bar Bender		1	51			
22	Concrete Batch Plant		1	52			
23	Hydroseeding Machine			53			
24	Applicator Machine		1	54			
25	Kneading Machine		1	55			
26	Cutting Outfit		1	56			
27				57			
28				58			
29				59			
30				60			
	SUB-TOTAL				SUB-TOTAL		
				TOTAL			

CONCRETING OF BRGY. BATU UGIS FMR, BRGY. BATU UGIS, MAIMBUNG, SULU
MAIMBUNG, SULU
DETAILED UNIT PRICE ANALYSIS (DUPA)

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

Quantity : 0.64
Unit of Measurement : km.
Output per hour - As Submitted : 1.00
Output per hour - As Evaluated :

Designation	No. of Persons	No. of Hours	Hourly Rate	Amount (Php)
Labor				0.00
For Fieldworks:				
Geodetic Engineer	1	27.00	104.16	2,812.42
Skilled Laborers	1	27.00	62.86	1,687.22
Laborers	2	27.00	48.44	2,615.76
A.1				
For Office Works:				
Geodetic Engineer	1	80.00	104.16	8,333.10
Skilled Laborers	1	80.00	62.86	5,028.80
				0.00
Sub - Total for A.1 - As Submitted				20,487.30
Labor				
A.2				
Sub - Total for A.2 - As Evaluated				
Equipment				
B.1				
Total Station Complete w/ accessories	1	27.00	100.00	2,700.00
				-
Sub - Total for B.1 - As Submitted				2,700.00
Equipment				
B.2				
Sub - Total for B.2 - As Evaluated				
C.1				
Total (A.1 + B.1) - As Submitted				23,187.30
C.2				
Total (A.2 + B.2) - As Evaluated				-
D.1				
Output per hour - As Submitted				1.00
D.2				
Output per hour - As Evaluated				1.00
E.1				
Direct Unit Cost (C.1 + D.1) - As Submitted				23,187.30
E.2				
Direct Unit Cost (C.2 + D.2) - As Evaluated				-
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php)
Materials				
F.1				
Standard Stake Plan (800 mm x 910 mm plotting)	sheets	23.00	51.00	1,173.00
blue print as stake plan	pcs.	115.00	40.00	4,600.00
miscellaneous(5% of Materials)			288.65	288.65
				-
Sub - Total for F.1 - As Submitted				6,061.65
Materials				
F.2				
Sub - Total for F.2 - As Evaluated				
G.1				
Direct Unit Cost (E.1 + F.1) - As Submitted				29,248.95
G.2				
Direct Unit Cost (E.2 + F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted			15% / 12% / 10% / 8% of G.1	3,509.87
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated			15% / 12% / 10% / 8% of G.2	-
I.1				
Contractor's Profit (CP) - As Submitted			10% / 8% of G.1	2,339.92
I.2				
Contractor's Profit (CP) - As Evaluated			10% / 8% of G.2	-
J.1				
Value Added Tax (VAT) - As Submitted			5% of (G.1 + H.1 + I.1)	1,754.94
J.2				
Value Added Tax (VAT) - As Evaluated			5% of (G.2 + H.2 + I.2)	-
K.1				
Total Unit Cost - As Submitted			(G.1 + H.1 + I.1 + J.1)	36,953.68
K.2				
Total Unit Cost - As Evaluated			(G.2 + H.2 + I.2 + J.2)	-

Prepared by:

JOSEPHINE B. MEJESCUJO

Engineer II
DPWH-RO9

Checked/Reviewed by:

PIO MARIO L. MAS-STAAMROS

Engineer III
DPWH-RO9

CONCRETING OF BRGY. BATU UGIS FMR, BRGY. BATU UGIS, MAIMBUNG, SULU
MAIMBUNG, SULU
DETAILED UNIT PRICE ANALYSIS (DUPA)

Item No. / Description : B.5 Project Billboard

Quantity : 4.00
Unit of Measurement : each
Output per hour - As Submitted : 1.00
Output per hour - As Evaluated :

	Designation	No. of Persons	No. of Hours	Hourly Rate	Amount (Php)
A.1	Labor				0.00
	Const. Foreman	1	1.00	87.10	87.10
	Skilled Laborers	1	1.00	62.86	62.86
	Laborers	2	1.00	48.44	96.88
					0.00
	Sub - Total for A.1 - As Submitted				246.84
A.2	Labor				
	Sub - Total for A.2 - As Evaluated				
B.1	Equipment	No. of Units	No. of Hours	Hourly Rate	Amount (Php)
					-
	Sub - Total for B.1 - As Submitted				-
B.2	Equipment				
	Sub - Total for B.2 - As Evaluated				246.84
C.1	Total (A.1 + B.1) - As Submitted				246.84
C.2	Total (A.2 + B.2) - As Evaluated				-
D.1	Output per hour - As Submitted				1.00
D.2	Output per hour - As Evaluated				1.00
E.1	Direct Unit Cost (C.1 + D.1) - As Submitted				246.84
E.2	Direct Unit Cost (C.2 + D.2) - As Evaluated				-
F.1	Materials	Unit	Quantity	Unit Cost	Amount (Php)
					-
	Maine Plywood (3/16" thk. 4' x 8')	pc.	1.00	432.00	432.00
	Trapaolin (4' x 8')	pc.	1.00	1,250.00	1,250.00
	Assorted Sizes lumber	bd.ft.	50.00	13.00	650.00
F.2	Assorted CW Nails	kg.	1.00	90.00	90.00
					-
	Sub - Total for F.1 - As Submitted				2,422.00
	Materials				
F.2	Sub - Total for F.2 - As Evaluated				2,668.84
	Direct Unit Cost (E.1 + F.1) - As Submitted				-
	Direct Unit Cost (E.2 + F.2) - As Evaluated				320.26
H.1	Overhead, Contingencies & Miscellaneous (OCM) - As Submitted			15% / 12% / 10% / 8% of G.1	-
H.2	Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated			15% / 12% / 10% / 8% of G.2	-
I.1	Contractor's Profit (CP) - As Submitted			10% / 8% of G.1	213.51
I.2	Contractor's Profit (CP) - As Submitted			10% / 8% of G.2	-
J.1	Value Added Tax (VAT) - As Evaluated			5% of (G.1 + H.1 + I.1)	160.13
J.2	Value Added Tax (VAT) - As Evaluated			5% of (G.2 + H.2 + I.2)	-
K.1	Total Unit Cost - As Submitted			(G.1 + H.1 + I.1 + J.1)	3,362.74
K.2	Total Unit Cost - As Evaluated			(G.2 + H.2 + I.2 + J.2)	-

Prepared by:

JOSEPHINE B. RENQUILLO
Engineer II
DPMH-RO8

Checked/Reviewed by:

PIO MARIO T. LACORAN-SAMTOS
Engineer III
DPMH-RO8

CONCRETING OF BRGY. BATU UGIS FMIR, BRGY. BATU UGIS, MAINBUNG, SULU
MAIMBUNG, SULU
DETAILED UNIT PRICE ANALYSIS (DUPA)

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

Quantity : 1.00
Unit of Measurement : ls.
Output per hour - As Submitted : 1.00
Output per hour - As Evaluated :

	Designation	No. of Persons	No. of Hours	Hourly Rate	Amount (Php)
A.1	Labor				0.00
	Safety Reclitoner	1	218.00	62.96	13,703.48
	First Aider	1	872.00	48.44	42,239.68
					0.00
	Sub - Total for A.1 - As Submitted				0.00
	Labor				55,943.16
A.2	Sub - Total for A.2 - As Evaluated				
	Name and Capacity	No. of Units	No. of Hours	Hourly Rate	Amount (Php)
B.1	Equipment				-
					-
	Sub - Total for B.1 - As Submitted				-
	Equipment				
B.2	Sub - Total for B.2 - As Evaluated				55,943.16
C.1	Total (A.1 + B.1) - As Submitted				
C.2	Total (A.2 + B.2) - As Evaluated				-
D.1	Output per hour - As Submitted				1.00
D.2	Output per hour - As Evaluated				55,943.16
E.1	Direct Unit Cost (C.1 + D.1) - As Submitted				-
E.2	Direct Unit Cost (C.2 + D.2) - As Evaluated				
	Name and Specification	Unit	Quantity	Unit Cost	Amount (Php)
F.1	Materials				-
	Rubber Boots/ken,Long w/ Steel Toe, Black	pc.	30.00	500.00	15,000.00
	Working Gloves (Maong Materials)	pc	30.00	175.00	5,250.00
	Rain Coats (Reinforced Hip)	bd.ft.	30.00	300.00	9,000.00
	First Aids Kit (Complete medicines & tools)	set	1.00	2,500.00	2,500.00
	Bandages/Signboards	pcs.	15.00	12,000.00	180,000.00
	Sub - Total for F.1 - As Submitted				211,750.00
	Materials				
F.2	Sub - Total for F.2 - As Submitted				
G.1	Direct Unit Cost (E.1 + F.1) - As Submitted				267,693.16
G.2	Direct Unit Cost (E.2 + F.2) - As Evaluated				-
H.1	Overhead, Contingencies & Miscellaneous (OCM) - As Submitted			15% / 12% / 10% / 8% of G.1	32,123.18
H.2	Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated			15% / 12% / 10% / 8% of G.2	-
I.1	Contractor's Profit (CP) - As Submitted			10% / 8% of G.1	21,415.45
I.2	Contractor's Profit (CP) - As Evaluated			10% / 8% of G.2	-
J.1	Value Added Tax (VAT) - As Submitted			5% of (G.1 + H.1 + I.1)	16,061.59
J.2	Value Added Tax (VAT) - As Evaluated			5% of (G.2 + H.2 + I.2)	-
K.1	Total Unit Cost - As Submitted			(G.1 + H.1 + I.1 + J.1)	337,293.38
K.2	Total Unit Cost - As Evaluated			(G.2 + H.2 + I.2 + J.2)	-

Prepared by:


JOSEPHINE B. BENIGNO
Engineer III
DPWH RO9

Checked/Reviewed by:


PIO MARIO T. LUYAS SANTOS
Engineer III
DPWH RO9

CONCRETING OF BRGY. BATU UGIS FMR, BRGY. BATU UGIS, MAIMBUNG, SULU
MAIMBUNG, SULU
DETAILED UNIT PRICE ANALYSIS (DUPA)

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

Quantity : 1.00
Unit of Measurement : ls.
Output per hour - As Submitted : 1.00
Output per hour - As Evaluated :

	Designation	No. of Persons	No. of Hours	Hourly Rate	Amount (Php)
A.1	Labor				0.00
					0.00
					0.00
	Sub - Total for A.1 - As Submitted				0.00
	Labor				
A.2					
	Sub - Total for A.2 - As Evaluated				
	Name and Capacity	No. of Units	No. of Hours	Hourly Rate	Amount (Php)
B.1	Equipment				
	Low Bed Trailer	2	8.00	4,255.38	68,086.08
					-
	Sub - Total for B.1 - As Submitted				68,086.08
	Equipment				
B.2					
	Sub - Total for B.2 - As Evaluated				
C.1	Total (A.1 + B.1) - As Submitted				68,086.08
C.2	Total (A.2 + B.2) - As Evaluated				-
D.1	Output per hour - As Submitted				1.00
D.2	Output per hour - As Evaluated				1.00
E.1	Direct Unit Cost (C.1 + D.1) - As Submitted				68,086.08
E.2	Direct Unit Cost (C.2 + D.2) - As Evaluated				-
	Name and Specification	Unit	Quantity	Unit Cost	Amount (Php)
F.1	Materials				-
					-
					-
					-
					-
	Sub - Total for F.1 - As Submitted				-
	Materials				
F.2					
	Sub - Total for F.2 - As Evaluated				
G.1	Direct Unit Cost (E.1 + F.1) - As Submitted				68,086.08
G.2	Direct Unit Cost (E.2 + F.2) - As Evaluated				-
H.1	Overhead, Contingencies & Miscellaneous (OCM) - As Submitted			15% / 12% / 10% / 8% of G.1	-
H.2	Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated			15% / 12% / 10% / 8% of G.2	-
I.1	Contractor's Profit (CP) - As Submitted			10% / 8% of G.1	-
I.2	Contractor's Profit (CP) - As Evaluated			10% / 8% of G.2	3,404.30
J.1	Value Added Tax (VAT) - As Submitted			5% of (G.1 + H.1 + I.1)	-
J.2	Value Added Tax (VAT) - As Evaluated			5% of (G.2 + H.2 + I.2)	-
K.1	Total Unit Cost - As Submitted			(G.1 + H.1 + I.1 + J.1)	71,490.38
K.2	Total Unit Cost - As Evaluated			(G.2 + H.2 + I.2 + J.2)	-

Prepared by:

JOSEPHINE B. RENEQUINO
Engineer II
DPWH-RO9

Checked/Reviewed by:

RIO MARIO T. LACAYAN SANTOS
Engineer III
DPWH-RO9

DETAILED UNIT PRICE ANALYSIS (DUPA)

Item No. / Description : 1033) Foundation Fill

Quantity : 1.00
 Unit of Measurement : cu.m.
 Output per hour - As Submitted : 1.25
 Output per hour - As Evaluated :

	Designation	No. of Persons	No. of Hours	Hourly Rate	Amount (Php)
A.1	Labor				
	Const. Foreman	1	1.00	87.10	87.10
	Laborers	4	1.00	48.44	193.76
	Sub - Total for A.1 - As Submitted				281.86
A.2	Labor				
	Sub - Total for A.2 - As Evaluated				
B.1	Equipment				
	Plate Compactor	1	1.00	123.00	123.00
	Water Truck	1	0.01	2,450.00	24.50
	Minor Tools (10 % of Labor)				2.82
B.2	Equipment				
	Sub - Total for B.1 - As Submitted				150.32
C.1	Sub - Total for B.2 - As Evaluated				
	Total (A.1 + B.1) - As Submitted				432.18
	Total (A.2 + B.2) - As Evaluated				-
	Output per hour - As Submitted				1.25
D.1	Output per hour - As Evaluated				1.25
	Sub - Total for D.1 - As Submitted				365.74
E.1	Direct Unit Cost (C.1 ÷ D.1) - As Submitted				-
	Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				
F.1	Materials	Unit	Quantity	Unit Cost	Amount (Php)
	Filling Materials	cum	1.15	1,938.72	2,228.53
					-
					-
F.2	Sub - Total for F.1 - As Submitted				2,228.53
	Materials				
G.1	Sub - Total for F.2 - As Evaluated				
	Direct Unit Cost (E.1 + F.1) - As Submitted				2,575.28
	Direct Unit Cost (E.2 + F.2) - As Evaluated				
H.1	Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				309.03
	Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1	Contractor's Profit (CP) - As Submitted				206.02
	Contractor's Profit (CP) - As Evaluated				-
J.1	Value Added Tax (VAT) - As Submitted				154.52
	Value Added Tax (VAT) - As Evaluated				-
K.1	Total Unit Cost - As Submitted				3,244.85
	Total Unit Cost - As Evaluated				-

Prepared by:

JOSEPHINE B. REYES
 Engineer III
 DPWH RO9

Checked/Reviewed by:

PIO MARIO T. LACAS
 Engineer III
 DPWH RO9

DETAILED UNIT PRICE ANALYSIS (DUPA)

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

Quantity : 3,040.00
Unit of Measurement : cum.
Output per hour - As Submitted : 80.00
Output per hour - As Evaluated :

Designation	No. of Persons	No. of Hours	Hourly Rate	Amount (PHP)
A.1				
Labor				
Const. Foreman	1	1.00	87.10	87.10
Labors	2	1.00	48.44	96.88
Sub - Total for A.1 - As Submitted				184.98
Labor				
A.2				
Sub - Total for A.2 - As Evaluated				
Name and Capacity				
No. of Units	No. of Hours	Hourly Rate	Amount (PHP)	
B.1				
Equipment				
Excavator	1	1.00	3,379.00	3,379.00
Payloader	1	1.00	1,733.00	1,733.00
Payloader	1	0.30	1,733.00	519.90
Dump Truck	3	1.00	1,420.00	4,260.00
Backhoe	1	1.00	1,537.00	1,537.00
Sub - Total for B.1 - As Submitted				11,428.90
Equipment				
B.2				
Sub - Total for B.2 - As Evaluated				
C.1				
Total (A.1 + B.1) - As Submitted				11,613.88
C.2				
Total (A.2 + B.2) - As Evaluated				-
D.1				
Output per hour - As Submitted				80.00
D.2				
Output per hour - As Evaluated				80.00
E.1				
Direct Unit Cost (C.1 + D.1) - As Submitted				145.17
E.2				
Direct Unit Cost (C.2 + D.2) - As Evaluated				-
Name and Specification				
Unit	Quantity	Unit Cost	Amount (PHP)	
Materials				
F.1				
Sub - Total for F.1 - As Submitted				-
Materials				
F.2				
Sub - Total for F.2 - As Evaluated				145.17
G.1				
Direct Unit Cost (E.1 + F.1) - As Submitted				-
G.2				
Direct Unit Cost (E.2 + F.2) - As Evaluated				17.42
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted		15% / 12% / 10% / 8% of G.1		-
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated		15% / 12% / 10% / 8% of G.2		11.61
I.1				
Contractor's Profit (CP) - As Submitted		10% / 8% of G.1		-
I.2				
Contractor's Profit (CP) - As Evaluated		10% / 8% of G.2		8.71
J.1				
Value Added Tax (VAT) - As Submitted		5% of (G.1 + H.1 + I.1)		-
J.2				
Value Added Tax (VAT) - As Evaluated		5% of (G.2 + H.2 + I.2)		182.92
K.1				
Total Unit Cost - As Submitted		(G.1 + H.1 + I.1 + J.1)		-
K.2				
Total Unit Cost - As Evaluated		(G.2 + H.2 + I.2 + J.2)		-

Prepared by:

JOSEPHINE B. RIVERA
Engineer II
DPWH/RO9

Checked/Reviewed by:

PIO MARICEL LACAYTES
Engineer III
DPWH/RO9

DETAILED UNIT PRICE ANALYSIS (DUPA)

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

Quantity : 8.00
Unit of Measurement : cum.
Output per hour - As Submitted : 20.00
Output per hour - As Evaluated :

	Designation	No. of Persons	No. of Hours	Hourly Rate	Amount (Php)
A.1	Labor				
	Const. Foreman	1	1.00	87.10	87.10
	Laborers	3	1.00	48.44	145.32
	Sub - Total for A.1 - As Submitted				233.42
A.2	Labor				
	Sub - Total for A.2 - As Evaluated				
B.1	Equipment				
	Backhoe	1	1.00	1,537.00	1,537.00
	Dump Truck	2	1.00	1,420.00	2,840.00
	Minor Tools(10 % of Labor)				2.33
					-
	Sub - Total for B.1 - As Submitted				4,379.33
B.2	Equipment				
	Sub - Total for B.2 - As Evaluated				
C.1	Total (A.1 + B.1) - As Submitted				4,612.75
C.2	Total (A.2 + B.2) - As Evaluated				-
D.1	Output per hour - As Submitted				20.00
D.2	Output per hour - As Evaluated				20.00
E.1	Direct Unit Cost (C.1 ÷ D.1) - As Submitted				230.64
E.2	Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				-
F.1	Name and Specification	Unit	Quantity	Unit Cost	Amount (Php)
	Materials				-
					-
					-
					-
					-
					-
					-
					-
					-
					-
	Sub - Total for F.1 - As Submitted				-
F.2	Materials				
	Sub - Total for F.2 - As Evaluated				
G.1	Direct Unit Cost (E.1 + F.1) - As Submitted				230.64
G.2	Direct Unit Cost (E.2 + F.2) - As Evaluated				-
H.1	Overhead, Contingencies & Miscellaneous (OCM) - As Submitted			15% / 12% / 10% / 8% of G.1	27.88
H.2	Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated			15% / 12% / 10% / 8% of G.2	-
I.1	Contractor's Profit (CP) - As Submitted			10% / 8% of G.1	18.45
I.2	Contractor's Profit (CP) - As Evaluated			10% / 8% of G.2	-
J.1	Value Added Tax (VAT) - As Submitted			5% of (G.1 + H.1 + I.1)	13.84
J.2	Value Added Tax (VAT) - As Evaluated			5% of (G.2 + H.2 + I.2)	-
K.1	Total Unit Cost - As Submitted			(G.1 + H.1 + I.1 + J.1)	290.60
K.2	Total Unit Cost - As Evaluated			(G.2 + H.2 + I.2 + J.2)	-

Prepared by:

JOSEPHINE B. RENGUJO

Engineer II
DPMH R09

Checked/Reviewed by:

PIO MARIO T. LAYACER SANTOS

Engineer II
DPMH R09

CONCRETING OF BRGY. BATU UGIS FMR, BRGY. BATU UGIS, MAINBUNG, SULU
MAINBUNG, SULU
DETAILED UNIT PRICE ANALYSIS (DUPA)

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

Quantity : 761.00

Unit of Measurement : cu.m.

Output per hour - As Submitted : 50.00

Output per hour - As Evaluated :

Designation	No. of Persons	No. of Hours	Hourly Rate	Amount (PHP)
Labor				
Excavation Work:				
Const. Foreman	1	0.83	87.10	72.29
Laborers	2	0.83	48.44	80.41
A.1				
Spreading & Compaction:				
Const. Foreman	1	1.00	87.10	87.10
Laborers	2	1.00	48.44	96.88
Sub - Total for A.1 - As Submitted				337.68
Labor				
A.2				
Sub - Total for A.2 - As Evaluated				
Name and Capacity	No. of Units	No. of Hours	Hourly Rate	Amount (PHP)
Equipment				
Excavation Work:				
Bulldozer	1	0.83	3,379.00	2,804.57
Payloader	1	0.83	1,733.00	1,438.39
Dump Truck	2	0.83	1,420.00	2,357.20
B.1				
Spreading & Compaction:				
Road Grader	1	1.00	2,173.00	2,173.00
Road Roller	1	1.00	1,846.00	1,846.00
Water Truck	1	0.25	2,460.00	612.50
Sub - Total for B.1 - As Submitted				41,231.66
Equipment				
B.2				
Sub - Total for B.2 - As Evaluated				
C.1				
Total (A.1 + B.1) - As Submitted				11,569.34
C.2				
Total (A.2 + B.2) - As Evaluated				-
D.1				
Output per hour - As Submitted				50.00
D.2				
Output per hour - As Evaluated				50.00
E.1				
Direct Unit Cost (C.1 + D.1) - As Submitted				231.39
E.2				
Direct Unit Cost (C.2 + D.2) - As Evaluated				-
Name and Specification	Unit	Quantity	Unit Cost	Amount (PHP)
Materials				
				-
				-
				-
F.1				
				-
				-
				-
Sub - Total for F.1 - As Submitted				-
Materials				
F.2				
Sub - Total for F.2 - As Evaluated				
G.1				
Direct Unit Cost (E.1 + F.1) - As Submitted				231.39
G.2				
Direct Unit Cost (E.2 + F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted			15% / 12% / 10% / 8% of G.1	27.77
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated			15% / 12% / 10% / 8% of G.2	-
I.1				
Contractor's Profit (CP) - As Submitted			10% / 8% of G.1	18.51
I.2				
Contractor's Profit (CP) - As Evaluated			5% of (G.1 + H.1 + I.1)	-
J.1				
Value Added Tax (VAT) - As Submitted			5% of (G.2 + H.2 + I.2)	13.88
J.2				
Value Added Tax (VAT) - As Evaluated			5% of (G.1 + H.1 + I.1 + J.1)	-
K.1				
Total Unit Cost - As Submitted			(G.2 + H.2 + I.2 + J.2)	291.55
K.2				
Total Unit Cost - As Evaluated				-

Prepared by:

JOSEPHINE B. RENGALINO
 Engineer III
 DPWH RO9

Checked/Reviewed by:

PJO MARIO T. LARASTEGANOTOS
 Engineer III
 DPWH RO9

CONCRETING OF BRGY. BATU UGIS FMR, BRGY. BATU UGIS, MAINBUNG, SULU
MAIMBUNG, SULU
DETAILED UNIT PRICE ANALYSIS (DUPA)

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

Quantity : 2,022.00
 Unit of Measurement : cum.
 Output per hour - As Submitted : 50.00
 Output per hour - As Evaluated :

Designation	No. of Persons	No. of Hours	Hourly Rate	Amount (Php)
Labor				
Constl. Foreman	1	1.00	87.10	87.10
Laborers	2	1.00	48.44	96.88
				0.00
				0.00
Sub - Total for A.1 - As Submitted				184.98
Labor				
A.2				
Sub - Total for A.2 - As Evaluated				
Equipment				
B.1				
Road Grader	1	1.00	2,173.00	2,173.00
Road Roller	1	1.00	1,846.00	1,846.00
Water Truck	1	0.25	2,450.00	612.50
Sub - Total for B.1 - As Submitted				4,631.50
Equipment				
B.2				
Sub - Total for B.2 - As Evaluated				
C.1				
Total (A.1 + B.1) - As Submitted				4,816.48
C.2				
D.1				
D.2				
E.1				
E.2				
Direct Unit Cost (C.1 + D.1) - As Submitted				
Direct Unit Cost (C.2 + D.2) - As Evaluated				
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php)
Materials				
Aggregate Subbase Course	cum.	1.15	2,158.72	2,482.53
(w/ 15% shrinkage)				-
F.1				
Sub - Total for F.1 - As Submitted				2,482.53
Materials				
F.2				
Sub - Total for F.2 - As Evaluated				
G.1				
Direct Unit Cost (E.1 + F.1) - As Submitted				2,578.86
G.2				
Direct Unit Cost (E.2 + F.2) - As Evaluated				
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				309.46
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				
I.1				
Contractor's Profit (CP) - As Submitted				206.31
I.2				
Contractor's Profit (CP) - As Evaluated				
J.1				
Value Added Tax (VAT) - As Submitted				154.73
J.2				
Value Added Tax (VAT) - As Evaluated				
K.1				
Total Unit Cost - As Submitted				3,246.37
K.2				
Total Unit Cost - As Evaluated				-

Prepared by:

JOSEPHINE B. RENGALDO
 Engineer II
 DPWH RO9

Checked/Reviewed by:

PIO MARIO T. LARASSEN SANTOS
 Engineer III
 DPWH RO9

CONCRETING OF BRGY. BATU UGIS FMR, BRGY. BATU UGIS, MAIMBUNG, SULU
MAIMBUNG, SULU
DETAILED UNIT PRICE ANALYSIS (DUPA)

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

Quantity : 5,167.00
Unit of Measurement : sq.m.
Output per hour - As Submitted : 300.00
Output per hour - As Evaluated :

Designation	No. of Persons	No. of Hours	Hourly Rate	Amount (PHP)
A.1				
Labor				
Consl. Foreman	1	1.00	87.10	87.10
Labors	2	1.00	48.44	96.88
				0.00
				0.00
Sub - Total for A.1 - As Submitted				184.98
Labor				
A.2				
Sub - Total for A.2 - As Evaluated				
Equipment				
Road Grader	1	1.00	2,173.00	2,173.00
Road Roller	1	1.00	1,846.00	1,846.00
Water Truck	1	0.25	2,450.00	612.50
B.1				
				-
				-
				-
Sub - Total for B.1 - As Submitted				4,631.50
Equipment				
B.2				
Sub - Total for B.2 - As Evaluated				
C.1				
Total (A.1 + B.1) - As Submitted				4,816.48
C.2				
Total (A.2 + B.2) - As Evaluated				-
D.1				
Output per hour - As Submitted				300.00
D.2				
Output per hour - As Evaluated				300.00
E.1				
Direct Unit Cost (C.1 + D.1) - As Submitted				16.05
E.2				
Direct Unit Cost (C.2 + D.2) - As Evaluated				-
Name and Specification	Unit	Quantity	Unit Cost	Amount (PHP)
Materials				
				-
				-
F.1				
				-
				-
				-
Sub - Total for F.1 - As Submitted				-
Materials				
F.2				
Sub - Total for F.2 - As Evaluated				
G.1				
Direct Unit Cost (E.1 + F.1) - As Submitted				16.05
G.2				
Direct Unit Cost (E.2 + F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted			15% / 12% / 10% / 8% of G.1	1.93
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated			15% / 12% / 10% / 8% of G.2	-
I.1				
Contractor's Profit (CP) - As Submitted			10% / 8% of G.1	1.28
I.2				
Contractor's Profit (CP) - As Evaluated			10% / 8% of G.2	-
J.1				
Value Added Tax (VAT) - As Submitted			5% of (G.1 + H.1 + I.1)	0.96
J.2				
Value Added Tax (VAT) - As Evaluated			5% of (G.2 + H.2 + I.2)	-
K.1				
Total Unit Cost - As Submitted			(G.1 + H.1 + I.1 + J.1)	20.23
K.2				
Total Unit Cost - As Evaluated			(G.2 + H.2 + I.2 + J.2)	-

Prepared by:

JOSEPHINE B. REINGOLDO
Engineer II
DPWH RO9

Checked/Reviewed by:

PIO MARIOT LACASISTANTOS
Engineer III
DPWH RO9

CONCRETING OF BRGY. BATU UGIS FMR, BRGY. BATU UGIS, MAINBUNG, SULU
MAIMBUNG, SULU
DETAILED UNIT PRICE ANALYSIS (DUPA)

Item No. / Description : 311(1)c1 Portland Cement Concrete Pavement, 0.23m. Thk.

Quantity : 3,210.00
Unit of Measurement : sq.m.
Output per hour - As Submitted : 70.00
Output per hour - As Evaluated :

	Designation	No. of Persons	No. of Hours	Hourly Rate	Amount (Php)
A.1	Labor				
	Const. Foreman	1	1.00	87.10	87.10
	Skilled Laborers	4	1.00	62.86	251.44
	Laborers	12	1.00	48.44	581.28
	Sub - Total for A.1 - As Submitted				920.82
A.2	Labor				
	Sub - Total for A.2 - As Evaluated				
B.1	Equipment				
	Transit Mixer	4	1.00	1,318.00	5,272.00
	Concrete Vibrator	2	1.00	91.25	182.50
	Concrete Batch Plant	1	1.00	1,759.50	1,759.50
	Payloader	1	1.00	1,733.00	1,733.00
	Concrete Screeder	1	1.00	545.00	545.00
	Water Truck/Pump	1	1.00	2,450.00	2,450.00
	Concrete Saw	1	1.00	32.63	32.63
	Bar Cutter	1	0.10	219.75	21.98
	Minor Tools (5% of Labor Cost)				46.04
	Sub - Total for B.1 - As Submitted				12,042.65
	Equipment				
B.2	Sub - Total for B.2 - As Evaluated				
C.1	Total (A.1 + B.1) - As Submitted				12,963.47
C.2	Total (A.2 + B.2) - As Evaluated				-
D.1	Output per hour - As Submitted				70.00
D.2	Output per hour - As Evaluated				70.00
E.1	Direct Unit Cost (C.1 + D.1) - As Submitted				185.19
E.2	Direct Unit Cost (C.2 + D.2) - As Evaluated				-
F.1	Materials	Unit	Quantity	Unit Cost	Amount (Php)
	Reinforcing Steel Bar	kg.	0.43	49.00	21.07
	Curing Compound	l.	0.29	48.00	13.92
	Asphalt Sealant	l.	0.12	73.64	8.84
	Steel Forms	m	0.46	60.00	27.60
	Fine Aggregates	cum.	0.1265	2,133.72	269.92
	Coarse Aggregates	cum.	0.23	2,033.72	467.76
	Portland Cement	bag	2.19	305.00	667.95
	Concrete Saw (Diamond Blade 14" dia.)	pc.	0.00015	8,000.00	1.20
	Pipe Sleeve, 1" dia.	m	0.0071	263.33	1.87
	Grease/Tar	l.	0.0087	165.00	1.44
	Sub - Total for F.1 - As Submitted				1,481.55
	Materials				
	Sub - Total for F.1 - As Evaluated				
F.2	Sub - Total for F.2 - As Evaluated				
G.1	Direct Unit Cost (E.1 + F.1) - As Submitted				1,666.75
G.2	Direct Unit Cost (E.2 + F.2) - As Evaluated				-
H.1	Overhead, Contingencies & Miscellaneous (OCM) - As Submitted		15% / 12% / 10% / 8% of G.1		200.01
H.2	Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated		15% / 12% / 10% / 8% of G.2		-
I.1	Contractor's Profit (CP) - As Submitted		10% / 8% of G.1		133.34
I.2	Contractor's Profit (CP) - As Evaluated		10% / 8% of G.2		-
J.1	Value Added Tax (VAT) - As Submitted		5% of (G.1 + H.1 + I.1)		100.00
J.2	Value Added Tax (VAT) - As Evaluated		5% of (G.2 + H.2 + I.2)		-
K.1	Total Unit Cost - As Submitted		(G.1 + H.1 + I.1 + J.1)		2,100.10
K.2	Total Unit Cost - As Evaluated		(G.2 + H.2 + I.2 + J.2)		-

Prepared by:

JOSEPHINE B. RENESNUJO

Engineer III
DPWH RO9

Checked/Reviewed by:

PIO MARIO T. LAAGUSTASANTOS

Engineer III
DPWH RO9

CONCRETING OF BRGY. BATU UGIS FMR, BRGY. BATU UGIS, MAINBUNG, SULU
MAIMBUNG, SULU
DETAILED UNIT PRICE ANALYSIS (DUPA)

Item No. / Description : 500(1)h3 Pipe Culvert & Storm Drain, 910 mm dia.

Quantity : 11.00
 Unit of Measurement : In.m.
 Output per hour - As Submitted : 2.00
 Output per hour - As Evaluated :

	Designation	No. of Persons	No. of Hours	Hourly Rate	Amount (Php)
A.1	Labor				
	Const. Foreman	1	0.57	87.10	49.65
	Skilled Laborers	2	0.57	62.86	71.66
	Laborers	4	0.57	48.44	110.44
					0.00
					0.00
	Sub - Total for A.1 - As Submitted				183.10
	Labor				
A.2					
	Sub - Total for A.2 - As Evaluated				
	Name and Capacity	No. of Units	No. of Hours	Hourly Rate	Amount (Php)
	Equipment				
	Backhoe	1	0.29	1,537.00	445.73
	Plate Compactor	1	0.29	123.00	35.67
B.1					
					-
					-
					-
					-
	Minor Tools (10 % of Labor Cost)				18.31
	Sub - Total for B.1 - As Submitted				499.71
	Equipment				
B.2					
	Sub - Total for B.2 - As Evaluated				
C.1	Total (A.1 + B.1) - As Submitted				682.81
C.2	Total (A.2 + B.2) - As Evaluated				-
D.1	Output per hour - As Submitted				2.00
D.2	Output per hour - As Evaluated				2.00
E.1	Direct Unit Cost (C.1 + D.1) - As Submitted				341.41
E.2	Direct Unit Cost (C.2 + D.2) - As Evaluated				-
	Name and Specification	Unit	Quantity	Unit Cost	Amount (Php)
	Materials				-
	Portland Cement	bag	1.08	305.00	329.40
	Fine Aggregates	cum.	0.061	2,133.72	130.16
F.1	RC Pipes	pc.	1.00	3,128.00	3,128.00
	Sand Bedding	cum.	0.128	2,133.72	273.12
					-
					-
					-
	Sub - Total for F.1 - As Submitted				3,860.67
	Materials				
F.2					
	Sub - Total for F.2 - As Evaluated				4,202.08
G.1	Direct Unit Cost (E.1 + F.1) - As Submitted				
G.2	Direct Unit Cost (E.2 + F.2) - As Evaluated				
H.1	Overhead, Contingencies & Miscellaneous (OCM) - As Submitted			15% / 12% / 10% / 8% of G.1	504.25
H.2	Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated			15% / 12% / 10% / 8% of G.2	-
I.1	Contractor's Profit (CP) - As Submitted			10% / 8% of G.1	336.17
I.2	Contractor's Profit (CP) - As Evaluated			10% / 8% of G.2	-
J.1	Value Added Tax (VAT) - As Submitted			5% of (G.1 + H.1 + I.1)	252.12
J.2	Value Added Tax (VAT) - As Evaluated			5% of (G.2 + H.2 + I.2)	-
K.1	Total Unit Cost - As Submitted			(G.1 + H.1 + I.1 + J.1)	5,294.62
K.2	Total Unit Cost - As Evaluated			(G.2 + H.2 + I.2 + J.2)	-

Prepared by:

JOSEPHINE B. RINGSOLINO
 Engineer / I
 DPWH RO6

Checked/Reviewed by:

PIO MARIO J. LACOSTE SANTOS
 Engineer / III
 DPWH RO9

CONCRETING OF BRGY. BATU UGIS FMR, BRGY.BATU UGIS, MAINBUNG, SULU
MAIMBUNG, SULU
DETAILED UNIT PRICE ANALYSIS (DUPA)

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

Quantity : 4.00
Unit of Measurement : cum.
Output per hour - As Submitted : 1.25
Output per hour - As Evaluated :

	Designation	No. of Persons	No. of Hours	Hourly Rate	Amount (Php)
A.1	Labor				
	Cont. Foreman	1	1.00	87.10	87.10
	Skilled Laborers	2	1.00	62.86	125.72
	Labors	8	1.00	48.44	387.52
					0.00
					0.00
					514.24
	Sub - Total for A.1 - As Submitted				
	Labor				
A.2					
	Sub - Total for A.2 - As Evaluated				
	Name and Capacity	No. of Units	No. of Hours	Hourly Rate	Amount (Php)
B.1	Equipment				
	One Bagger Mixer	1	1.00	172.00	172.00
	Water Truck/Pump	1	0.05	2,450.00	122.50
					-
					-
					-
					-
	Minor Tools (5 % of Labor Cost)				25.71
	Sub - Total for B.1 - As Submitted				320.21
	Equipment				
B.2					
	Sub - Total for B.2 - As Evaluated				
	Total (A.1 + B.1) - As Submitted				834.45
	Total (A.2 + B.2) - As Evaluated				-
D.1	Output per hour - As Submitted				1.25
D.2	Output per hour - As Evaluated				1.25
E.1	Direct Unit Cost (C.1 + D.1) - As Submitted				667.56
E.2	Direct Unit Cost (C.2 + D.2) - As Evaluated				-
	Name and Specification	Unit	Quantity	Unit Cost	Amount (Php)
F.1	Materials				
	Portland Cement	bag	3.00	305.00	915.00
	Fine Aggregates	cum.	0.250	2,133.72	533.43
	Gravel Fill	cum.	0.015	2,033.72	30.51
	50mm (2") PVC Pipe	m	0.30	110.00	33.00
	Filter Cloth	sq.m.	0.015	176.00	2.64
	Boulders	cum.	1.05	2,813.72	2,954.41
	Misc. (1% of Materials Cost)				44.69
	Sub - Total for F.1 - As Submitted				4,513.58
	Materials				
F.2					
	Sub - Total for F.2 - As Evaluated				
	Direct Unit Cost (E.1 + F.1) - As Submitted				5,181.24
	Direct Unit Cost (E.2 + F.2) - As Evaluated				-
	H.1 Overhead, Contingencies & Miscellaneous (OCM) - As Submitted			15% / 12% / 10% / 8% of G.1	621.75
	H.2 Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated			15% / 12% / 10% / 8% of G.2	-
	I.1 Contractor's Profit (CP) - As Submitted			10% / 8% of G.1	414.50
	I.2 Contractor's Profit (CP) - As Evaluated			10% / 8% of G.2	310.87
	J.1 Value Added Tax (VAT) - As Submitted			5% of (G.1 + H.1 + I.1)	-
	J.2 Value Added Tax (VAT) - As Evaluated			5% of (G.2 + H.2 + I.2)	-
K.1	Total Unit Cost - As Submitted			(G.1 + H.1 + I.1 + J.1)	6,508.36
K.2	Total Unit Cost - As Evaluated			(G.2 + H.2 + I.2 + J.2)	-

Prepared by:

JOSEPHINE B. RENOQUIJO

Engineer/II
DPWH ROC9

Checked/Reviewed by:

PIO MARIO T. LACAS-REYESANTOS

Engineer/III
DPWH ROC9

CONCRETING OF BRGY. BATU UGIS FMR, BRGY. BATU UGIS, MAINBUNG, SULU
MAIMBUNG, SULU
DETAILED UNIT PRICE ANALYSIS (DUPA)

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

Quantity : 9.00
Unit of Measurement : cum.
Output per hour - As Submitted : 1.60
Output per hour - As Evaluated :

	Designation	No. of Persons	No. of Hours	Hourly Rate	Amount (Php)
A.1	Labor				
	Const. Foreman	1	1.00	87.10	87.10
	Skilled Laborers	2	1.00	62.86	125.72
	Labors	8	1.00	48.44	387.52
					0.00
					0.00
	Sub - Total for A.1 - As Submitted				514.24
	Labor				
A.2					
	Sub - Total for A.2 - As Evaluated				
	Name and Capacity	No. of Units	No. of Hours	Hourly Rate	Amount (Php)
B.1	Equipment				
	One Bagger Mixer	1	1.00	172.00	172.00
	Water Truck/Pump	1	0.05	2,450.00	122.50
	Backhoe	1	0.10	1,537.00	153.70
					-
					-
					-
	Minor Tools (10 % of Labor Cost)				51.42
	Sub - Total for B.1 - As Submitted				499.62
B.2	Equipment				
	Sub - Total for B.2 - As Evaluated				1,013.86
C.1	Total (A.1 + B.1) - As Submitted				
C.2	Total (A.2 + B.2) - As Evaluated				-
D.1	Output per hour - As Submitted				1.60
D.2	Output per hour - As Evaluated				1.60
E.1	Direct Unit Cost (C.1 + D.1) - As Submitted				633.67
E.2	Direct Unit Cost (C.2 + D.2) - As Evaluated				-
	Name and Specification	Unit	Quantity	Unit Cost	Amount (Php)
F.1	Materials				
	Portland Cement	bag	5.50	305.00	1,677.50
	Fine Aggregates	cum.	0.300	2,133.72	640.12
	Gravel Fill	cum.	0.020	2,033.72	40.67
	50mm. (2") PVC Pipe	m.	0.30	110.00	33.00
	Filter Cloth	sq.m.	0.015	176.00	2.64
	Boulders	cum.	1.05	2,813.72	2,954.41
	Misc. (1% of Materials Cost)				53.48
	Sub - Total for F.1 - As Submitted				5,401.83
F.2	Materials				
	Sub - Total for F.2 - As Evaluated				6,035.49
G.1	Direct Unit Cost (E.1 + F.1) - As Submitted				
G.2	Direct Unit Cost (E.2 + F.2) - As Evaluated				-
H.1	Overhead, Contingencies & Miscellaneous (OCM) - As Submitted			15% / 12% / 10% / 8% of G.1	724.26
H.2	Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated			15% / 12% / 10% / 8% of G.2	-
I.1	Contractor's Profit (CP) - As Submitted			10% / 8% of G.1	482.84
I.2	Contractor's Profit (CP) - As Evaluated			10% / 8% of G.2	-
J.1	Value Added Tax (VAT) - As Submitted			5% of (G.1 + H.1 + I.1)	362.13
J.2	Value Added Tax (VAT) - As Evaluated			5% of (G.2 + H.2 + I.2)	-
K.1	Total Unit Cost - As Submitted			(G.1 + H.1 + I.1 + J.1)	7,604.72
K.2	Total Unit Cost - As Evaluated			(G.2 + H.2 + I.2 + J.2)	-

Prepared by:

JOSEPHINE B. REKOLINO

Engineer III

DPWH RO9

Checked/Reviewed by:

PIDMARIO I. LACASERANOTOS

Engineer III

DPWH RO9

CONCRETING OF BRGY. BATU UGIS FMR, BRGY. BATU UGIS, MAIMBUNG, SULU
DETAILED UNIT PRICE ANALYSIS (DUPA)

Item No. / Description : 612(1) Reflectized Pavement Markings, White

Quantity : 161.00
 Unit of Measurement : sq.m.
 Output per hour - As Submitted : 25.00
 Output per hour - As Evaluated :

Designation	No. of Persons	No. of Hours	Hourly Rate	Amount (PHP)
A.1				
Labor				
Const. Foreman	1	1.00	87.10	87.10
Skilled Laborers	2	1.00	62.86	125.72
Laborers	6	1.00	48.44	290.64
				0.00
Sub - Total for A.1 - As Submitted				417.36
Labor				
A.2				
Sub - Total for A.2 - As Evaluated				
B.1				
Equipment				
Cargo Truck	1	1.00	1,212.00	1,212.00
Applicator Machine	1	1.00	93.75	93.75
Kneading Machine	1	1.00	187.50	187.50
				-
Minor Tools (10 % of Labor)				41.74
Sub - Total for B.1 - As Submitted				1,534.99
Equipment				
B.2				
Sub - Total for B.2 - As Evaluated				
C.1				1,952.35
Total (A.1 + B.1) - As Submitted				-
C.2				25.00
Total (A.2 + B.2) - As Evaluated				25.00
D.1				25.00
Output per hour - As Submitted				25.00
D.2				78.09
Output per hour - As Evaluated				78.09
E.1				-
Direct Unit Cost (C.1 + D.1) - As Submitted				-
E.2				-
Direct Unit Cost (C.2 + D.2) - As Evaluated				-
F.1				
Materials				
Thermoplastic Paint White	bag	0.325	1,585.00	515.13
Glass Beads	bag	0.033	2,500.00	82.50
Primer	l.	0.120	200.00	24.00
UPG(50 kg)	cf	0.004	4,500.00	18.00
UPG (12 kg)	cf	0.002	1,080.00	2.16
Cadmium	kg	0.125	30.00	3.75
				-
Misc. (5% of Materials Cost)				32.28
				-
				6.22
Sub - Total for F.1 - As Submitted				684.03
Materials				
F.2				
Sub - Total for F.2 - As Evaluated				762.12
G.1				-
Direct Unit Cost (E.1 + F.1) - As Submitted				-
G.2				91.45
Direct Unit Cost (E.2 + F.2) - As Evaluated				91.45
H.1				-
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted			15% / 12% / 10% / 8% of G.1	-
H.2				60.97
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated			15% / 12% / 10% / 8% of G.2	60.97
I.1				-
Contractor's Profit (CP) - As Submitted			10% / 8% of G.1	-
I.2				45.73
Contractor's Profit (CP) - As Evaluated			10% / 8% of G.2	45.73
J.1				-
Value Added Tax (VAT) - As Submitted			5% of (G.1 + H.1 + I.1)	-
J.2				960.27
Value Added Tax (VAT) - As Evaluated			5% of (G.2 + H.2 + I.2)	960.27
K.1				-
Total Unit Cost - As Submitted			(G.1 + H.1 + I.1 + J.1)	-
K.2				-
Total Unit Cost - As Evaluated			(G.2 + H.2 + I.2 + J.2)	-

Prepared by:

JOSEPHINE B. REYES
 Engineer II
 DPM/RO9

Checked/Reviewed by:

PID-MARIO T. LUGO-REYES
 Engineer III
 DPM/RO9

UNIT COST ANALYSIS FOR HAULING COST FOR ALL AGGREGATES

Hauling Cost from the Coclabato supplier to Wharf I (Colabato)

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 kg.
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 Wheelers) days computation : TIME-MOTION ANALYSIS

Speed when loaded : 30.00 kph
Speed when unloaded : 40.00 kph
Loaded running = $\frac{5.00}{30.00} \times \frac{60}{60} = 10.00$ mins.
Unloaded running = $\frac{5.00}{40.00} \times \frac{60}{60} = 7.50$ mins.
Loading and Unloading : 10.00 mins.
Capacity of Dumptruck : 10.00 cu.m.
Total Cycle time : 27.50 mins.
No. of trips for Dumptruck = $\frac{10}{27.50} \times \frac{60.00}{60} = 21.82$ say 21.82 trips per day
Dumptruck daily output = 10 x 21.82 = 218.18 cu.m.
Using (4) Dumptrucks = 4 x 218.18 = 872.73 cu.m.

1. No. of days for Dumptrucks = $\frac{1,000.00}{872.73} = 1.15$ say 1.15 days
No. of days for Payloader = Complimentary to Dumptruck = 1.15 days

EQUIPMENT USED : (2009 ACEL RATES)

1 - Payloader @ P 13,864.00 /day x 1.15 days = P 15,885.83
4 - Unit Dumptruck @ P 11,360.00 /day x 1.15 days = P 52,066.67
Sub - Total P 67,952.50

Estimated Quantity 1,000.00 cu.m.

Unit Cost P 13.59 / cu. m./km. (Unit Cost, Hauling per cu.m.per km.)

Grand Total P 67,952.50
Equipment P 67,952.50
Labor P
Materials P

UNIT COST ANALYSIS FOR HAULING COST FOR ALL AGGREGATES

Hauling Cost from the Cotabato Wharf 1 to Jolo, Sulu Wharf 2:

Item No. : ALL AGGREGATES Terrain : Flat to Rolling
Quantity : 800.00 Unit : cu.m.

Effective Working Hours : 24.00 hrs.

Safe Navigation Route for Cotabato-Jolo, Sulu (per ZC harbor Pilot Office)

Distance (Cotabato-Zamboanga) : 135.00 n.m.

Distance (Zamboanga-Jolo Port, Sulu) : 80.00 n.m.

Total Distance : 215.00 n.m.

Hauling: Using 800.00 cu.m.capacity Deck Barge

Weight of Barge (cap. 1000 Ton DWT) : 0.00 kgs.
Allowable Total/Volume of Barge : 800.00 cu.m.³
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 DB : 800-1000 cu.m.

*Barge & Tugboat days computation : TIME-MOTION ANALYSIS

Speed when loaded : 3.00 n.m.
Speed when unloaded : 5.00 n.m.
Loaded running = $\frac{215.00}{3.00}$ = 71.67 hrs.

Unloaded running = $\frac{215.00}{5.00}$ = 43.00 hrs.

Loading and Unloading : 33.33 hrs.

Capacity of Barge : 800.00 cu.m.

Total Cycle time : 148.00 hrs.

No. of days for Barge per trip = $\frac{148.00}{24.00}$ = 6.17 say 6.17 days

Barge output per trip = 800.00 = 800.00 cu.m.

Dumptruck daily output = 10 x 6.17 = 61.67 cu.m.

Using (4) Dumptrucks = 4 x 61.67 = 246.66 cu.m.

EQUIPMENT USED : (2014 ACEL RATES)

1 - Unit Crane w/ clamshell	@ P	5,540.00 /day	x	3.08	days = P	17,081.28
1 - Unit Barge & Tugboat	@ P	160,776.00 /day	x	6.17	days = P	991,429.67
					P	1,008,510.95

LABOR:

1 - Foreman	@ P	696.80 /day	x	6.17	days = P	4,296.84
2 - Unit Dumptruck	@ P	387.52 /day	x	6.17	days = P	4,779.31
					P	9,076.14

MISCELLANEOUS EXPENSES:

1 - Lumpsum(local operators & other misc. fees)	@ P	15,000.00 L.S.	= P	15,000.00
			Sub - Total	P 15,000.00

Estimated Quantity 800.00 cu.m.

Unit Cost P 6.00 / cu.m./n.m. (Unit Cost, Hauling per cu.m.per n.m.)

Grand Total P 1,032,387.09

Equipment P 1,008,510.95

Labor P 9,076.14

Miscellaneous P 15,000.00

Hauling Cost from the Bato-Bato Wharf 2 to Project Site

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 : 25.00 kph
Speed when unloaded : 35.00 kph
Loaded running = $\frac{5.00 \times 60}{25.00} = 12.00$ mins.
Unloaded running = $\frac{5.00 \times 60}{35.00} = 8.57$ mins.
Loading and Unloading : 10.00 mins.
Capacity of Dumptruck : 10.00 cu.m.
Total Cycle time : 30.57 mins.
No. of trips for Dumptruck = $\frac{10 \times 60.00}{30.57} = 19.63$ say 19.63 trips per day
Dumptruck daily output = 10 x 19.63 = 196.26 cu.m.
Using (4) Dumptrucks = 4 x 196.26 = 785.05 cu.m.

1. No. of days for Dumptrucks = $\frac{1,000.00}{785.05} = 1.27$ say 1.27 days

EQUIPMENT USED : (2014 ACEL RATES)

1 - Payloader @ P 13,864.00 /day x 1.27 days = P 17,660.10
4 - Unit Dumptruck @ P 11,360.00 /day x 1.27 days = P 57,881.90
Sub - Total P 75,542.00

Estimated Quantity 1,000.00 cu.m.
Unit Cost P 15.11 / cu. m./km. (Unit Cost, Hauling per cu.m.per km.)
Grand Total P 75,542.00
Equipment P 75,542.00
Labor P
Materials P

HAULING COST FROM COTABATO SUPPLIER TO WHARF 1 (HAULING COST I)

	Ave. Hauling Distance	Unit Cost per cum./km.	Hauling Cost Per cum.	Hauling Cost I per cum.
Cost of Fine Aggregates:	5.00	X 15.11 =	75.54	= 75.54
Cost of Coarse Aggregates:	5.00	X 15.11 =	75.54	= 75.54
Cost of Item 200 Materials:	5.00	X 15.11 =	75.54	= 75.54
Cost of Item 201 Materials:	5.00	X 15.11 =	75.54	= 75.54
Cost of Item 300 Materials:	5.00	X 15.11 =	75.54	= 75.54
Cost of Boulders:	5.00	X 15.11 =	75.54	= 75.54
Cost of Embankmen, Common Borrow:	5.00	X 15.11 =	75.54	= 75.54
Cost of Embankmen, Selected Borrow:	5.00	X 15.11 =	75.54	= 75.54

HAULING COST FROM COTABATO WHARF 1 TO WHARF 2 JOLO, SULU (HAULING COST II)

	Ave. Hauling Distance	Unit Cost per cum./km.	Hauling Cost per cum.	Hauling Cost II per cum.
Cost of Fine Aggregates:	215.00	X 6.00 =	1,290.73	= 1,290.73
Cost of Coarse Aggregates:	215.00	X 6.00 =	1,290.73	= 1,290.73
Cost of Item 200 Materials:	215.00	X 6.00 =	1,290.73	= 1,290.73
Cost of Item 201 Materials:	215.00	X 6.00 =	1,290.73	= 1,290.73
Cost of Item 300 Materials:	215.00	X 6.00 =	1,290.73	= 1,290.73
Cost of Boulders:	215.00	X 6.00 =	1,290.73	= 1,290.73
Cost of Embankmen, Common Borrow:	215.00	X 6.00 =	1,290.73	= 1,290.73
Cost of Embankmen, Selected Borrow:	215.00	X 6.00 =	1,290.73	= 1,290.73

HAULING COST FROM WHARF 2 JOLO, SULU TO PROJECT SITE (HAULING COST III)

	Ave. Hauling Distance	Hauling Cost II per cu.m.	Hauling Cost per cu.m.	Hauling Cost III per cu.m.
Cost of Fine Aggregates:	16.00	X 13.59 =	217.45	=
Cost of Coarse Aggregates:	16.00	X 13.59 =	217.45	=
Cost of Item 200 Materials:	16.00	X 13.59 =	217.45	=
Cost of Item 201 Materials:	16.00	X 13.59 =	217.45	=
Cost of Item 300 Materials:	16.00	X 13.59 =	217.45	=
Cost of Boulders:	16.00	X 13.59 =	217.45	=
Cost of Embankmen, Common Borrow:	10.00	X 13.59 =	135.91	=
Cost of Embankmen, Selected Borrow:	16.00	X 13.59 =	217.45	=

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CONCRETING OF BARANGAY BATU UGIS FARM - TO - MARKET ROAD

BATU UGIS

MAIMBUNG, SULU

KM. 00+000.00 TO KM. 00+642.00

NET LENGTH : 642.00 Ln.M. (1.284 Lane Km.)

SUMMARY OF QUANTITIES

ITEM No.	D E S C R I P T I O N	UNIT	QUANTITY	R E M A R K S
102(2)	Surplus Common Excavation	Cu.M.	3,040.00	For Disposal
103(3)	Foundation Fill	Cu.M.	1.00	For RCPC beddings
103(6)a	Pipe Culvert and Drain Excavation	Cu.M.	8.00	For RCPC Excavation
104(1)a	Embankment (From Excavation)	Cu.M.	781.00	Compacted Volume
105(1)a	Subgrade Preparation	Sq.M.	5,187.00	Variable width
200(1)	Aggregate Sub-base Course	Cu.M.	2,022.00	0.25 m. thk.(min.) Compacted volume.
311(1)c1	Portland Cement Concrete Pavement	Sq.M.	3,210.00	0.23 m. thk., includes widening
500(1)b3	Reinf. Conc. Culvert Pipe, (910mm dia.)	Ln.M.	11.00	Class IV, Wall B, AASHTO M - 170 - 85
505(2)a	Grouted Riprap, Class "A"	Cu.M.	4.00	For Headwall apron
506(1)	Stone Masonry	Cu.M.	9.00	For Headwall and wingwall
612(1)	Recolorized Thermoplastic Pavement Markings (V	Sq.M.	161.00	For Center lines(Separation) & Edge Lines
A.1.1(3)	Const. of Field Office for the Engineer	Each	1.00	For Government Field Office (7.00m. X 9.00m.)
B.5	Project Billboard	Each	4.00	Per D.O. # 37, s. 2010
B.7	Const. Safety & Health Program	Mos.	-	