



DPWH REGIONAL OFFICE IX

CONSTRUCTION OF BRGY. LAUM MAIMBUNG FARM - TO - MARKET ROAD, BRGY. LAUM MAIMBUNG, MAIMBUNG, SULU
MAIMBUNG, SULU

APPROVED BUDGET FOR THE CONTRACT

Contract Duration :

141

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	360,207.39		20,028.96	19,011.82	39,040.77	399,248.16	
PART C	EARTHWORKS	AS EVALUATED							
		AS SUBMITTED	1,270,132.84		254,026.57	76,207.97	330,234.54	1,600,367.37	
PART D	SUBBASE AND BASE COURSE	AS EVALUATED							
		AS SUBMITTED	9,394,730.19		1,878,946.04	563,683.81	2,442,629.85	11,837,360.04	
PART E	SURFACE COURSE	AS EVALUATED							
		AS SUBMITTED	8,760,830.41		1,752,166.08	525,649.82	2,277,815.91	11,038,646.32	
PART F	BRIDGE CONSTRUCTION	AS EVALUATED							
		AS SUBMITTED	-		-	-	-	-	
PART G	DRAINAGE AND SLOPE PROTECTION	AS EVALUATED							
		AS SUBMITTED	-		-	-	-	-	
PART H	MISCELLANEOUS STRUCTURES	AS EVALUATED							
		AS SUBMITTED	-		-	-	-	-	
TOTAL		AS EVALUATED							
		AS SUBMITTED	19,785,900.83		3,905,167.64	1,184,553.42	5,089,721.07	24,875,621.89	

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

ISIDRA A. ESTANISLAO

Engineer IV - Chairman Estimating Committee

DPWH RO9

SATURNINO C. TORREFRANCA

OIC-Chief, Planning & Design Division

DPWH RO9

KHADAFY D. TANGCOL

Assistant Regional Director

DPWH RO9

CAYAMOMBAO D. DIA, CESO IV

Regional Director

DPWH RO9



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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	1.21	km.	35,244.99	20%	7,049.00	2,114.70	9,163.70	44,408.68	36,853.68
B.7	Occupational Safety and Health Program	AS EVALUATED									
		AS SUBMITTED	1.00	L. S.	135,561.08	8%	10,844.89	7,320.30	18,165.18	153,726.26	153,726.26
B.9	Mobilization & Demobilization	AS EVALUATED									
		AS SUBMITTED	1.00	L. S.	178,725.96	0%	-	8,936.30	8,936.30	187,662.26	187,662.26
	TOTAL OF PART B	AS EVALUATED									
		AS SUBMITTED			360,207.39		20,028.96	19,011.82	39,040.77	399,248.16	

Preparation and Submission:

Prepared by:

JOSEPHINE B. RENGQUIJO
Engineer II
Chief, Planning & Design Section

Checked/Submitted by:

ISIDRA A. ESTANISLAO
Engineer IV-2 Chairman Estimating Committee

Evaluation:

Reviewed as to Unit Cost:

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

DPWH RO9

PART C	EARTHWORKS									
		AS EVALUATED								
102(2)	Surplus Common Excavation	AS SUBMITTED	7,149.00	cu.m.	1,037,845.35	20%	207,569.07	62,270.72	269,839.79	1,307,685.14
		AS EVALUATED								
104(1)a1	Embankment from Roadway Excavation	AS SUBMITTED	270.00	cu.m.	62,474.45	20%	12,494.89	3,748.47	16,243.36	78,717.81
		AS EVALUATED								
105(1)a	Subgrade Preparation	AS SUBMITTED	10,577.00	sq.m.	169,813.03	20%	33,962.61	10,188.78	44,151.39	213,964.42
		AS EVALUATED								
	TOTAL OF PART C	AS SUBMITTED			1,270,132.84		254,026.57	76,207.97	330,234.54	1,600,367.37
		AS EVALUATED								
PART D	SUBBASE AND BASE COURSE									
		AS EVALUATED								
200(1)	Aggregate Subbase Course, 0.30 m. thick	AS SUBMITTED	3,621.03	cu. m.	9,394,730.19	20%	1,878,946.04	563,683.81	2,442,629.85	11,837,360.04
		AS EVALUATED								
	TOTAL OF PART D	AS SUBMITTED			9,394,730.19		1,878,946.04	563,683.81	2,442,629.85	11,837,360.04
		AS EVALUATED								

Preparation and Submission:

Prepared by:

JOSEPHINE B. RENGQUIJO
Engineer II

Checked/Submitted by:

ISIDRA A. ESTANISLAO
Engineer IV- Chairman Estimating Committee

Evaluation:

Reviewed as to Unit Cost:

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

PART E	SURFACE COURSES										
311(1)b1	Portland Cement Concrete Pavement, 0.20m. Thk.	AS EVALUATED									
		AS SUBMITTED	6,025.00	sq. m.	8,760,830.41	20%	1,752,166.08	525,649.82	2,277,815.91	11,038,646.32	1,832.14
	TOTAL OF PART E	AS EVALUATED									
		AS SUBMITTED			8,760,830.41		1,752,166.08	525,649.82	2,277,815.91	11,038,646.32	
PART F	BRIDGE CONSTRUCTION										
	TOTAL OF PART F	AS EVALUATED									
		AS SUBMITTED			-		-	-	-	-	
PART G	DRAINAGE AND SLOPE PROTECTION STRUCTURES										
	TOTAL OF PART G	AS EVALUATED									
		AS SUBMITTED			-		-	-	-	-	
PART H	MISCELLANEOUS STRUCTURES										
	TOTAL OF PART H	AS EVALUATED									
		AS SUBMITTED			-		-	-	-	-	
	GRAND TOTAL	AS EVALUATED									
		AS SUBMITTED			19,785,900.83		3,905,167.64	1,184,553.42	5,089,721.07	24,875,621.89	

Preparation and Submission:

Prepared by:

JOSEPHINE B. RENGQUIJO
Engineer II

Checked/Submitted by:

ISIDRA A. ESTANISLAO
Engineer IV - Chairman Estimating Committee

Evaluation:

Reviewed as to Unit Cost:

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

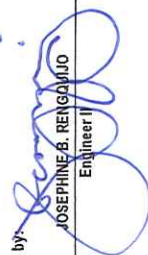
CONSTRUCTION OF BRGY. LAUM MAIMBUNG FARM - TO - MARKET ROAD, BRGY. LAUM MAIMBUNG, MAIMBUNG, SULU
MAIMBUNG, SULU

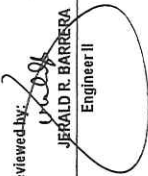
DETAILED UNIT PRICE ANALYSIS (DUPA)

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

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

	Designation	No. of Person/s	No. of Hours	Hourly Rate	Amount (Php)
A.1	Labor				
	For Fieldworks:				0.00
	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
	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
A.2	Labor				
	Sub - Total for A.2 - As Evaluated				
B.1	Name and Capacity	No. of Units	No. of Hours	Hourly Rate	Amount (Php)
	Equipment				
	Total Station Complete w/ accessories	1	27.00	100.00	2,700.00
	Sub - Total for B.1 - As Submitted				2,700.00
	Equipment				
	Sub - Total for B.2 - As Evaluated				23,187.30
	C.1 Total (A.1 + B.1) - As Submitted				-
	C.2 Total (A.2 + B.2) - As Evaluated				1.00
D.1	Output per hour - As Submitted				1.00
	Output per hour - As Evaluated				23,187.30
	E.1 Direct Unit Cost (C.1 + D.1) - As Submitted				-
	E.2 Direct Unit Cost (C.2 + D.2) - As Evaluated				-
F.1	Name and Specification	Unit	Quantity	Unit Cost	Amount (Php)
	Materials				
	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				
	Sub - Total for F.2 - As Evaluated				29,248.95
G.1	Direct Unit Cost (E.1 + F.1) - As Submitted				-
	G.2 Direct Unit Cost (E.2 + F.2) - As Evaluated				3,509.87
	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		2,339.92
	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		1,754.94
	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)		36,853.68
	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. RENGONJAO
 Engineer II

Checked/Reviewed by:  JERALD R. BARRERA
 Engineer II

CONSTRUCTION OF BRGY. LAUM MAIMBUNG FARM - TO - MARKET ROAD, BRGY. LAUM MAIMBUNG, MAIMBUNG, SULU
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DETAILED UNIT PRICE ANALYSIS (DUPA)

Item No. / Description

: B.5 Project Billboard

Quantity : 4.05
 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
	Constl. Foreman	1	1.00	87.10	87.10
	Skilled Laborers	1	1.00	62.88	62.88
	Laborers	2	1.00	48.44	96.88
	Sub - Total for A.1 - As Submitted				0.00
A.2	Labor				246.84
	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				-
C.2	Total (A.2 + B.2) - As Evaluated				1.00
D.1	Output per hour - As Submitted				1.00
D.2	Output per hour - As Evaluated				246.84
E.1	Direct Unit Cost (C.1 ÷ D.1) - As Submitted				-
E.2	Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				-
F.1	Materials	Unit	Quantity	Unit Cost	Amount (Php)
					-
	Marine Plywood (3/16" thk. 4' x 8')	pc.	1.00	432.00	432.00
	Tarpaulin (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
F.2	Materials				
	Sub - Total for F.2 - As Evaluated				2,688.84
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		320.26
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		213.51
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)		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. BENGOUJIO
 Engineer II

Checked/Reviewed by:


 JERALD R. BARRERA
 Engineer II

CONSTRUCTION OF BRGY. LAUM MAIMBUNG FARM - TO - MARKET ROAD. BRGY. LAUM MAIMBUNG, MAIMBUNG, SULU

LAUM MAIMBUNG, SULU

DETAILED UNIT PRICE ANALYSIS (DUPA)

Item No. / Description

B.7 Occupational Safety and Health Program

Quantite : 1.00
Unit of Measurement : Hrs.
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				
	Safety Proclitionner	1	282.00	62.86	17,726.52
	First Aider	1	1,128.00	48.44	54,640.32
					0.00
	Sub - Total for A.1 - As Submitted				72,366.84
A.2	Labor				
					0.00
					72,366.84
	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				72,366.84
C.1	Total (A.1 + B.1) - As Submitted				-
C.2	Total (A.2 + B.2) - As Evaluated				1.00
D.1	Output per hour - As Submitted				1.00
D.2	Output per hour - As Evaluated				72,366.84
E.1	Direct Unit Cost (C.1 ÷ D.1) - As Submitted				-
E.2	Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				-
F.1	Materials	Unit	Quantity	Unit Cost	Amount (Php)
	Rubber Boots/Men Long w/ Steel Toe, Black	pc.	12.00	500.00	6,000.00
	Working Gloves (Maong Materials)	pc	12.00	175.00	2,100.00
	Rain Coats (Reinforced Hip)	bd.ft.	12.00	300.00	3,600.00
	First Aid Kit (Complete medicines & tools)	set	1.00	3,494.24	3,494.24
	Barricades/Signboards	pcs.	4.00	12,000.00	48,000.00
					-
	Sub - Total for F.1 - As Submitted				63,194.24
	Materials				
	Sub - Total for F.2 - As Evaluated				135,581.08
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		16,267.33
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		10,844.89
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)		8,133.66
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)		170,806.96
K.2	Total Unit Cost - As Evaluated		(G.2 + H.2 + I.2 + J.2)		-

Prepared by:

JOSEPHINE B. RENGQUHAQ
Engineer II

Checked/Reviewed by:

JEROLD R. BARRERA
Engineer II

CONSTRUCTION OF BRGY. LAUM MAIMBUNG FARM - TO - MARKET ROAD, BRGY. LAUM MAIMBUNG, MAIMBUNG, SULU
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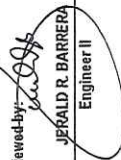
DETAILED UNIT PRICE ANALYSIS (DUPA)

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

Quantity : 1.00
 Unit of Measurement : L.S.
 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
	Sub - Total for A.1 - As Submitted				0.00
A.2	Labor				0.00
	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	3	14.00	4,255.38	178,725.96
					-
	Sub - Total for B.1 - As Submitted				178,725.96
B.2	Equipment				
	Sub - Total for B.2 - As Evaluated				
C.1	Total (A.1 + B.1) - As Submitted				178,725.96
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				178,725.96
E.2	Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				-
F.1	Name and Specification	Unit	Quantity	Unit Cost	Amount (PhP)
	Materials				
F.2	Sub - Total for F.1 - As Submitted				
	Materials				
	Sub - Total for F.2 - As Evaluated				
G.1	Direct Unit Cost (E.1 + F.1) - As Submitted				178,725.96
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		21,447.12
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		-
J.1	Value Added Tax (VAT) - As Submitted		5% of (G.1 + H.1 + I.1)		10,008.65
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)		210,181.73
K.2	Total Unit Cost - As Evaluated		(G.2 + H.2 + I.2 + J.2)		-

Prepared by: 
 JOSEPHINE B. RENGQUIJO
 Engineer II

Checked/Reviewed by: 
 JERALD R. BARRERA
 Engineer II

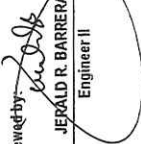
DETAILED UNIT PRICE ANALYSIS (DUPA)

Item No. / Description : 10212) Surplus Common Excavation

Quantity : 7,149.00
Unit of Measurement : cu.m.
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
A.2	Labor				
	Sub - Total for A.2 - As Evaluated				
B.1	Equipment				
	Bulldozer	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
	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				-
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				145.17
	G.1 Direct Unit Cost (E.1 + F.1) - As Submitted				-
H.1	Direct Unit Cost (E.2 + F.2) - As Evaluated				17.42
	Overhead, Contingencies & Miscellaneous (OCM) - As Submitted		15% / 12% / 10% / 8% of G.1		-
	Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated		15% / 12% / 10% / 8% of G.2		-
	Contractor's Profit (CP) - As Submitted		10% / 8% of G.1		11.61
	Contractor's Profit (CP) - As Evaluated		10% / 8% of G.2		-
	Value Added Tax (VAT) - As Submitted		5% of (G.1 + H.1 + I.1)		8.71
	Value Added Tax (VAT) - As Evaluated		5% of (G.2 + H.2 + I.2)		-
	Total Unit Cost - As Submitted		(G.1 + H.1 + I.1 + J.1)		182.92
	Total Unit Cost - As Evaluated		(G.2 + H.2 + I.2 + J.2)		-
	K.2				-

Prepared by:  JOSEPHINE B. RANGEL
Engineer II

Checked/Reviewed by:  JERALD R. BARRERA
Engineer II

CONSTRUCTION OF BRGY. LAUM MAIMBUNG FARM - TO - MARKET ROAD, BRGY. LAUM MAIMBUNG, MAIMBUNG, SULU
MAIMBUNG, SULU

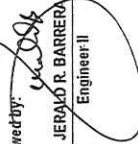
DETAILED UNIT PRICE ANALYSIS (DUPA)

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

Quantity : 270.46
 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)
A.1	Labor				
	Excavation Work:				
	Const. Foreman	1	0.83	87.10	72.20
	Laborers	2	0.83	48.44	80.41
	Spreading & Compaction:				
	Const. Foreman	1	1.00	87.10	87.10
B.1	Laborers	2	1.00	48.44	96.88
	Sub - Total for A.1 - As Submitted				337.68
	Labor				
A.2					
B.1	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
B.1	Dump Truck	2	0.83	1,420.00	2,357.20
	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	2,450.00	612.50
	Sub - Total for B.1 - As Submitted				11,231.66
B.2	Equipment				
C.1	Sub - Total for B.2 - As Evaluated				11,569.34
	Total (A.1 + B.1) - As Submitted				-
	Total (A.2 + B.2) - As Evaluated				50.00
	Output per hour - As Submitted				50.00
	Output per hour - As Evaluated				231.39
	Direct Unit Cost (G.1 ÷ D.1) - As Submitted				-
E.1	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				231.39
	Direct Unit Cost (E.1 + F.1) - As Submitted				-
	Direct Unit Cost (E.2 + F.2) - As Evaluated				27.77
	Overhead, Contingencies & Miscellaneous (OCM) - As Submitted		15% / 12% / 10% / 8% of G.1		-
	Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated		15% / 12% / 10% / 8% of G.2		-
	Contractor's Profit (CP) - As Submitted		10% / 8% of G.1		18.51
I.1	Contractor's Profit (CP) - As Evaluated		10% / 8% of G.2		-
	Value Added Tax (VAT) - As Submitted		5% of (G.1 + H.1 + I.1)		13.88
	Value Added Tax (VAT) - As Evaluated		5% of (G.2 + H.2 + J.2)		-
	Total Unit Cost - As Submitted		(G.1 + H.1 + I.1 + J.1)		291.55
	Total Unit Cost - As Evaluated		(G.2 + H.2 + I.2 + J.2)		-

Prepared by: 
 JOSEPHINE B. RENGQUIJO
 Engineer II

Checked/Reviewed by: 
 JERALD R. BARRERA
 Engineer II

CONSTRUCTION OF BRGY. LAUM MAIMBUNG FARM - TO - MARKET ROAD, BRGY. LAUM MAIMBUNG, MAIMBUNG, SULU
MAIMBUNG, SULU

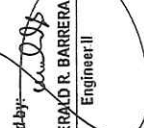
DETAILED UNIT PRICE ANALYSIS (DUPA)

Item No. / Description : 103(1)a Subgrade Preparation

Quantity : 10,577.05
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				
	Const. 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
A.2	Labor				
	Sub - Total for A.2 - As Evaluated				
B.1	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
	Sub - Total for B.1 - As Submitted				4,631.50
B.2	Equipment				
	Sub - Total for B.2 - As Evaluated				4,816.48
C.1	Total (A.1 + B.1) - As Submitted				-
C.2	Total (A.2 + B.2) - As Evaluated				300.00
D.1	Output per hour - As Submitted				300.00
D.2	Output per hour - As Evaluated				16.05
E.1	Direct Unit Cost (C.1 ÷ D.1) - As Submitted				-
E.2	Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				-
F.1	Name and Specification	Unit	Quantity	Unit Cost	Amount (Php)
	Materials				
					-
					-
					-
	Sub - Total for F.1 - As Submitted				-
F.2	Materials				
	Sub - Total for F.2 - As Evaluated				16.05
G.1	Direct Unit Cost (E.1 + F.1) - As Submitted				-
G.2	Direct Unit Cost (E.2 + F.2) - As Evaluated				1.93
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.1		1.28
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		0.96
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)		20.23
K.2	Total Unit Cost - As Evaluated		(G.2 + H.2 + I.2 + J.2)		-

Prepared by: 
JOSEPHINE B. RENGUIJO
Engineer II

Checked/Reviewed by: 
JERALD R. BARRERA
Engineer II

CONSTRUCTION OF BRGY. LAUM MAIMBUNG FARM - TO - MARKET ROAD, BRGY. LAUM MAIMBUNG, MAIMBUNG, SULU
MAIMBUNG, SULU

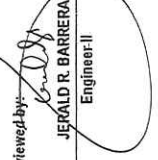
DETAILED UNIT PRICE ANALYSIS (DUPA)

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

Quantity : 3,821.05
 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)
A.1	Labor				
	Const. 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
A.2	Labor				
	Sub - Total for A.2 - As Evaluated				
B.1	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
	Sub - Total for B.1 - As Submitted				4,631.50
B.2	Equipment				
	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				50.00
D.2	Output per hour - As Evaluated				90.00
E.1	Direct Unit Cost (C.1 ÷ D.1) - As Submitted				96.33
E.2	Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				-
F.1	Materials				
	Aggregate Subbase Course	cum.	1.15	2,172.31	2,495.16
	(w/ 15% shrinkage)				-
					-
					-
					-
	Sub - Total for F.1 - As Submitted				2,495.16
F.2	Materials				
	Sub - Total for F.2 - As Evaluated				
G.1	Direct Unit Cost (E.1 + F.1) - As Submitted				2,594.49
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	311.34
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	207.56
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)	155.67
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)	3,265.06
K.2	Total Unit Cost - As Evaluated			(G.2 + H.2 + I.2 + J.2)	-

Prepared by: 
 JOSEPHINE B. RENGQUIAO
 Engineer II

Checked/Reviewed by: 
 JERALD R. BARRERA
 Engineer II

UNIT COST ANALYSIS FOR HAULING COST FOR ALL AGGREGATES

Hauling Cost from the Colabato supplier to Wharf 1 (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 kgs.
Unit weight of Fine Aggregates : 1,640.00 kg/m3
Unit weight of Coarse Aggregates : 1,534.00 kg/m3
Maximum Volume to be Carried per DT : 11.57 cu.m.

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

Speed when loaded : 30.00 kph
Speed when unloaded : 40.00 kph
Loaded running = $\frac{5.00 \times 60}{30.00} = 10.00$ mins.
Unloaded running = $\frac{5.00 \times 60}{40.00} = 7.50$ mins.
Loading and Unloading : 10.00 mins.
Capacity of Dumptruck : 10.00 cu.m.
Total Cycle time : 27.50 mins.
No. of trips for Dumptruck = $\frac{10 \times 60.00}{27.50} = 21.82$ 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 ACEI 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 I 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 TC 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)

Allowable Total/Volume of Barge

Unit weight of Fine Aggregates

Unit weight of Coarse Aggregates

Maximum Volume to be Carried per DB

: 0.00 kgs.
: 800.00 cu.m.3
: 1,640.00 kg/m3
: 1,534.00 kg/m3
: 800-1000 cu.m.

*Barge & Tugboat days compilation : 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.

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

Using (4) Dumprucks = 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 Dumpruck	@ P	387.52 /day	x	6.17 days = P	4,779.31
				Sub - Total	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 1,032,587.09

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.)

Unit weight of Fine Aggregates

Unit weight of Coarse Aggregates

Maximum Volume to be Carried per DT

: 16,000.00 kgs.
: 1,640.00 kg/m3
: 1,534.00 kg/m3
: 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 per day = $\frac{10 \times 60.00}{30.57} = 19.63$ say 19.63 trips

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 cu.m./km.	Hauling Cost per cu.m.	Hauling Cost I per cu.m.
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 cu.m./km.	Hauling Cost per cu.m.	Hauling Cost II per cu.m.
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:	17.00 x	13.59 =	231.04	= 231.04
Cost of Coarse Aggregates:	17.00 x	13.59 =	231.04	= 231.04
Cost of Item 200 Materials:	17.00 x	13.59 =	231.04	= 231.04
Cost of Item 201 Materials:	17.00 x	13.59 =	231.04	= 231.04
Cost of Item 300 Materials:	17.00 x	13.59 =	231.04	= 231.04
Cost of Boulders:	17.00 x	13.59 =	231.04	= 231.04
Cost of Embankmen, Common Borrow:	10.00 x	13.59 =	135.91	= 135.91
Cost of Embankmen, Selected Borrow:	17.00 x	13.59 =	231.04	= 231.04

TOTAL HAULING COST FROM COTABATO SUPPLIER TO TO PROJECT SITE (CPMD 2ND Qtr 2019)

	Hauling Cost I PER C.U.M.	Hauling Cost II PER C.U.M.	Hauling Cost III per cu.m.	Pick-up Unit Price	TOTAL Unit Cost per cu.m.
Cost of Fine Aggregates:	75.54 +	1,290.73 +	231.04 +	550.00 =	2,147.31
Cost of Coarse Aggregates:	75.54 +	1,290.73 +	231.04 +	450.00 =	2,047.31
Cost of Item 200 Materials:	75.54 +	1,290.73 +	231.04 +	575.00 =	2,172.31
Cost of Item 201 Materials:	75.54 +	1,290.73 +	231.04 +	602.00 =	2,199.31
Cost of Item 300 Materials:	75.54 +	1,290.73 +	231.04 +	726.00 =	2,323.31
Cost of Boulders:	75.54 +	1,290.73 +	231.04 +	1,230.00 =	2,827.31
Cost of Embankmen, Common Borrow:	- +	- +	135.91 +	336.00 =	471.91
Cost of Embankmen, Selected Borrow:	75.54 +	1,290.73 +	231.04 +	355.00 =	1,952.31

CONCRETING OF BRGY. LAUM MAIMBUNG FARM - TO - MARKET ROAD

BARANGAY LAUM MAIMBUNG

MAIMBUNG, SULU

KM. 00+000.00 TO KM. 01+205.00

NET LENGTH : 1,205.00 Ln.M. (2.410 Lane Km.)

SUMMARY OF QUANTITIES

ITEM No.	DESCRIPTION	UNIT	QUANTITY	REMARKS
102(2)	Surplus Common Excavation	Cu.M.	7,149.00	For Disposal
104(1)a	Embankment (From Excavation)	Cu.M.	270.00	Compacted Volume
105(1)a	Subgrade Preparation	Sq.M.	10,577.00	Variable width
200(1)	Aggregate Sub-base Course	Cu.M.	3,621.03	0.30 m. thk. (min.) Compacted volume.
311(1)b1	Portland Cement Concrete Pavement	Sq.M.	6,025.00	0.30 m. thk., includes widening
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.	-	

Php. 25,00M.