





DPWH REGIONAL OFFICE IX

CONST./REHAB. OF FLOOD MITIGATION FACILITIES WITHIN MAJOR RIVER BASINS AND PRINCIPAL RIVERS REHAB./IMPROVEMENT OF FLOOD CONTROL FOR PREVENTION AND MITIGATION ALONG BRGY. SAN JOSE-POB. IMELDA, PART OF SUBUEY RIVER, IMELDA, ZAMBOANGA SIBUGAY  
IMELDA, ZAMBOANGA SIBUGAY

APPROVED BUDGET FOR THE CONTRACT

Contract Duration : 450

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	1,255,724.76		103,074.68	67,939.97	171,014.65	1,426,739.41	
PART B	OTHER GENERAL REQUIREMENTS	AS EVALUATED							
		AS SUBMITTED	537,323.44		27,391.49	28,235.75	55,627.23	592,950.67	
PART C	EARTHWORK	AS EVALUATED							
		AS SUBMITTED	1,384,646.15		249,236.31	81,694.12	330,930.43	1,715,576.58	
PART D	SUBBASE AND BASE COURSE	AS EVALUATED							
		AS SUBMITTED	1,038,913.92		187,004.51	61,295.92	248,300.43	1,287,214.34	
PART J	FLOOD CONTROL AND DRAINAGE	AS EVALUATED							
		AS SUBMITTED	1,840,706.15		331,327.11	108,601.66	439,928.77	2,280,634.92	
PART F	BRIDGE CONSTRUCTION	AS EVALUATED							
		AS SUBMITTED	16,150,589.60		2,907,106.13	952,884.79	3,859,990.91	20,010,580.51	
PART G	DRAINAGE AND SLOPE PROTECTION	AS EVALUATED							
		AS SUBMITTED	19,513,756.51		3,512,476.17	1,151,311.63	4,663,787.80	24,177,544.31	
PART I-B	BANK AND SLOPE PROTECTION	AS EVALUATED							
		AS SUBMITTED	48,886,635.85		8,799,594.45	2,884,311.52	11,683,905.97	60,570,541.82	
TOTAL		AS EVALUATED							
		AS SUBMITTED	90,608,296.36		16,117,210.83	5,336,275.36	21,453,486.19	112,061,782.56	

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

SATURINO C. TORREFRANCA

OIC-Chief, Planning & Design Division

DPWH RO9

KHADAFFY B. TANGGOL

OIC-Assistant Regional Director

DPWH RO9

CAYANOMBAO D. DIA

Regional Director

DPWH RO9





CONST./REHAB. OF FLOOD MITIGATION FACILITIES WITHIN MAJOR RIVER BASINS AND PRINCIPAL RIVERS REHAB./IMPROVEMENT OF FLOOD CONTROL FOR PREVENTION AND MITIGATION ALONG BRGY. SAN JOSE-POB. IMELDA, PART OF SUBUEY RIVER, IMELDA, ZAMBOANGA SIBUGAY

IMELDA, ZAMBOANGA SIBUGAY

## 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				
<b>PART A</b>	<b>FACILITIES FOR THE ENGINEER</b>										
A.1.1(3)	Construction of Field Office for the Engineer (7.0m. X 9.0 m.)	AS EVALUATED									
		AS SUBMITTED	1.00	L.S.	480,823.76	18%	86,548.28	28,368.60	114,916.88	595,740.64	595,740.64
A.1.1(11)	Provision of Furnitures/Fixtures, Equipment and Appliances for the Field Office for the Engineers	AS EVALUATED									
		AS SUBMITTED	1.00	L. S.	206,580.00	8%	16,526.40	11,155.32	27,681.72	234,261.72	234,261.72
A.1.2	Operation and Maintenance of Gov't Service Vehicle	AS EVALUATED									
		AS SUBMITTED	1.00	L.S.	568,321.00	0%	-	28,416.05	28,416.05	596,737.05	596,737.05
	<b>TOTAL OF PART A</b>	AS EVALUATED									
		AS SUBMITTED			1,255,724.76		103,074.68	67,939.97	171,014.65	1,426,739.41	
<b>PART B</b>	<b>OTHER GENERAL REQUIREMENTS</b>										
B.5	Project Billboard/Signboard	AS EVALUATED									
		AS SUBMITTED	4.00	units	14,579.49	18%	2,624.31	860.19	3,484.50	18,063.99	4,516.00
B.4 (1)	Construction Survey and Staking	AS EVALUATED									
		AS SUBMITTED	0.70	km.	20,117.67	18%	3,621.18	1,186.94	4,808.12	24,925.79	35,456.31
B.7	Occupational Safety and Health Program	AS EVALUATED									
		AS SUBMITTED	1.00	L. S.	264,325.00	8%	21,146.00	14,273.55	35,419.55	299,744.55	299,744.55
B.9	Mobilization & Demobilization	AS EVALUATED									
		AS SUBMITTED	1.00	L. S.	238,301.28	0%	-	11,915.06	11,915.06	250,216.34	250,216.34
	<b>TOTAL OF PART B</b>	AS EVALUATED									
		AS SUBMITTED			537,323.44		27,391.49	28,235.75	55,627.23	592,950.67	
<b>PART C</b>	<b>EARTHWORK</b>										
104(2)a	Embankment from Borrow	AS EVALUATED									
		AS SUBMITTED	2,179.00	cu.m.	1,384,646.15	18%	249,236.31	81,694.12	330,930.43	1,715,576.58	787.32
	<b>TOTAL OF PART C</b>	AS EVALUATED									
		AS SUBMITTED			1,384,646.15		249,236.31	81,694.12	330,930.43	1,715,576.58	

Preparation and Submission:

Prepared by:

JOSEPHINE B. RENGQUJO

Engineer II  
DPWH RO9

Checked/Submitted by:

ISIDRA A. ESTANISLAO

Engineer IV - Chairman Estimating Committee  
DPWH RO9

Evaluation:

Reviewed as to Unit Cost:

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

DPWH RO9

<b>PART D</b>	<b>SUBBASE AND BASE COURSE</b>									
200(1)	Aggregate Subbase Course	AS EVALUATED								
		AS SUBMITTED	970.00	cu.m.	1,038,913.92	18%	187,004.51	61,295.92	248,300.43	1,287,214.34
	<b>TOTAL OF PART C</b>	AS EVALUATED								
		AS SUBMITTED			1,038,913.92		187,004.51	61,295.92	248,300.43	1,287,214.34
<b>PART J</b>	<b>FLOOD CONTROL AND DRAINAGE</b>									
1702(1)	Structure Excavation	AS SUBMITTED	8,009.00	cu.m.	1,840,706.15	18%	331,327.11	108,601.66	439,928.77	2,280,634.92
	<b>TOTAL OF PART C</b>	AS EVALUATED								
		AS SUBMITTED			1,840,706.15		331,327.11	108,601.66	439,928.77	2,280,634.92
<b>PART F</b>	<b>BRIDGE CONSTRUCTION</b>									
404(1)a	Reinforcing Steel, (Grade 40)	AS EVALUATED								
		AS SUBMITTED	45,822.00	kg.	2,278,414.94	18%	410,114.69	134,426.48	544,541.17	2,822,956.11
404(1)b	Reinforcing Steel Bar, (Grade 60)	AS EVALUATED								
		AS SUBMITTED	10,268.00	kg.	542,901.68	18%	97,722.30	32,031.20	129,753.50	672,655.18
405(1)a3	Structural Concrete, Class "A"	AS EVALUATED								
		AS SUBMITTED	1,865.00	cu.m.	13,329,272.98	18%	2,399,269.14	786,427.11	3,185,696.24	16,514,969.22
	<b>TOTAL OF PART F</b>	AS EVALUATED								
		AS SUBMITTED			16,150,589.60		2,907,106.13	952,884.79	3,859,990.91	20,010,580.51
<b>PART G</b>	<b>DRAINAGE AND SLOPE PROTECTION STRUCTURES</b>									
508(1)	Handlaid Rock Embankment	AS EVALUATED								
		AS SUBMITTED	15,365.00	cu.m.	19,513,756.51	18%	3,512,476.17	1,151,311.63	4,663,787.80	24,177,544.31
	<b>TOTAL OF PART G</b>	AS EVALUATED								
		AS SUBMITTED			19,513,756.51		3,512,476.17	1,151,311.63	4,663,787.80	24,177,544.31

**Preparation and Submission:**

Prepared by:

JOSEPHINE B. RENGQUIJO

Engineer II  
DPWH RO9

Checked/Submitted by:

ISIDRA A. ESTANISLAO

Engineer IV - Chairman Estimating Committee  
DPWH RO9

**Evaluation:**

Reviewed as to Unit Cost:

SATURNINO C. TORREFRANCA


OLC-Chief, Planning & Design Division  
DPWH RO9

PART I-B	BANK AND SLOPE PROTECTION										
1716(6)	Structural Steel Sheet Piles, Furnished (0.40wide)	AS EVALUATED									
		AS SUBMITTED	10,848.00	In.m.	35,024,114.49	18%	6,304,340.61	2,066,422.76	8,370,763.36	43,394,877.86	4,000.27
1716(12)	Structural Steel Sheet Piles, Driven	AS EVALUATED									
		AS SUBMITTED	10,848.00	In.m.	8,144,617.38	18%	1,466,031.13	480,532.43	1,946,563.55	10,091,180.93	930.23
1716(16)	Steel Sheet Test Piles, Furnished and Driven	AS EVALUATED									
		AS SUBMITTED	12.00	In.m.	66,274.54	18%	11,929.42	3,910.20	15,839.61	82,114.15	6,842.85
1710(2)a	Grouted Riprap, Class "A"	AS EVALUATED									
		AS SUBMITTED	1,930.00	cu. m.	5,651,629.44	18%	1,017,293.30	333,446.14	1,350,739.44	7,002,368.88	3,628.17
	TOTAL OF PART I-B	AS EVALUATED									
		AS SUBMITTED			48,886,635.85		8,799,594.45	2,884,311.52	11,683,905.97	60,570,541.82	
	GRAND TOTAL	AS EVALUATED									
		AS SUBMITTED			90,608,296.36		16,117,210.83	5,336,275.36	21,453,486.19	112,061,782.56	

90,608,296.36

**Preparation and Submission:**

Prepared by:

  
JOSEPHINE B. RENGQUIJO  
Engineer II  
DPWH RO9

Checked/Submitted by:

  
ISIDRA A. ESTANISLAO  
Engineer IV - Chairman Estimating Committee  
DPWH RO9

**Evaluation:**

Reviewed as to Unit Cost

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



INVESTIGATION FACILITIES WITHIN MAJOR RIVER BASINS AND PRINCIPAL RIVERS REHAB/IMPROVEMENT OF FLOOD CONTROL FOR PREVENTION AND MITIGATION ALONG BRGY. SAN JOSE-POB. IMELDA, PART OF SUBUEY RIVER, IMELDA, ZAMBOANGA SIBUGAY

			DETAILED BREAKDOWN OF COMPONENT COST FOR EACH ITEM										
ITEM NO.	DESCRIPTION		%	QTY.	UNIT	DIRECT COST				TOTAL MARK-UP		5% VAT	TOTAL COST
						MATERIAL	LABOR	EQUIPMENT	TOTAL	%	VALUE		
PART A	FACILITIES FOR THE ENGINEER												
A.1.1(3)	Construction of Field Office for the Engineer (7.0m. X 9.0 m.)	AS EVALUATED			L.S.								
		AS SUBMITTED	0.531	1.00		320,321.03	109,329.75	51,172.98	480,823.76	18%	86,548.28	28,368.60	595,740.64
A.1.1(11)	Provision of Furnitures/Fixtures,Equipment and Appliances for theField Office for the Engineers	AS EVALUATED			L.S.								
		AS SUBMITTED	0.228	1.00		206,580.00			206,580.00	8%	16,526.40	11,155.32	234,261.72
A.1.2	Operation and Maintenance of Gov't Service Vehicle	AS EVALUATED			L.S.								
		AS SUBMITTED	0.627	1.00		357,325.00	210,996.00	-	568,321.00	0%	-	28,416.05	596,737.05
	TOTAL OF PART A	AS EVALUATED											
		AS SUBMITTED	1.386			884,226.03	320,325.75	51,172.98	1,255,724.76		103,074.68	67,939.97	1,426,739.41
PART B	OTHER GENERAL REQUIREMENTS												
B.5	Project Billboard/Signboard	AS EVALUATED			units								
		AS SUBMITTED	0.016	4.00		13,660.00	919.49	-	14,579.49	18%	2,624.31	860.19	18,063.99
B.4 (1)	Construction Survey and Staking	AS EVALUATED			km.								
		AS SUBMITTED	0.022	0.70		4,261.34	13,958.23	1,898.10	20,117.67	18%	3,621.18	1,186.94	24,925.79
B.7	Occupational Safety and Health Program	AS EVALUATED			L.S.								
		AS SUBMITTED	0.292	1.00		49,000.00	215,325.00	-	264,325.00	8%	21,146.00	14,273.55	299,744.55
B.9	Mobilization & Demobilization	AS EVALUATED			L.S.								
		AS SUBMITTED	0.263	1.00		-	-	238,301.28	238,301.28	0%	-	11,915.06	250,216.34
	TOTAL OF PART B	AS EVALUATED											
		AS SUBMITTED	0.593			68,821.34	230,292.72	240,199.38	537,323.44		27,391.49	28,235.75	592,950.67
PART C	EARTHWORK												
104(2)a	Embankment from Borrow	AS EVALUATED			cu.m.								
		AS SUBMITTED	1.528	2,179.00		1,175,298.13	7,507.25	201,840.77	1,384,646.15	18%	248,236.31	81,694.12	1,715,576.58
	TOTAL OF PART C	AS EVALUATED											
		AS SUBMITTED	1.528			1,175,298.13	7,507.25	201,840.77	1,384,646.15		248,236.31	81,694.12	1,715,576.58
PART D	SUBBASE AND BASE COURSE												
200(1)	Aggregate Subbase Course	AS EVALUATED			cu.m.								
		AS SUBMITTED	1.147	970.00		945,720.90	3,341.92	89,851.10	1,038,913.92	18%	187,004.51	61,295.92	1,287,214.34
	TOTAL OF PART D	AS EVALUATED											
		AS SUBMITTED	1.147			945,720.90	3,341.92	89,851.10	1,038,913.92		187,004.51	61,295.92	1,287,214.34
PART J	FLOOD CONTROL AND DRAINAGE												
1702(1)	Structure Excavation	AS EVALUATED			cu.m.								
		AS SUBMITTED	2.031	6,009.00		-	87,065.84	1,753,640.31	1,840,706.15	18%	331,327.11	108,601.66	2,280,634.92
	TOTAL OF PART J	AS EVALUATED											
		AS SUBMITTED	2.031			-	87,065.84	1,753,640.31	1,840,706.15		331,327.11	108,601.66	2,280,634.92
PART F	BRIDGE CONSTRUCTION												
404(1)a	Reinforcing Steel, (Grade 40)	AS EVALUATED			kg.								
		AS SUBMITTED	2.515	45,822.00		2,006,316.27	122,057.08	150,041.59	2,278,414.94	18%	410,114.69	134,426.48	2,822,956.11
404(1)b	Reinforcing Steel Bar, (Grade 60)	AS EVALUATED			kg.								
		AS SUBMITTED	0.599	10,268.00		481,928.58	27,351.10	33,622.00	542,901.68	18%	97,722.30	32,031.20	672,655.18
405(1)a3	Structural Concrete, Class"A"	AS EVALUATED			cu.m.								
		AS SUBMITTED	14.711	1,965.00		10,732,892.00	1,815,236.14	781,144.84	13,329,272.99	18%	2,399,269.14	796,427.11	16,514,969.22
	TOTAL OF PART F	AS EVALUATED											
		AS SUBMITTED	17.825			13,221,136.85	1,964,644.32	964,808.43	16,150,589.60		2,907,106.13	952,884.79	20,010,580.51

PART G		DRAINAGE AND SLOPE PROTECTION STRUCTURES											
508(1)	Handlaid Rock Embankment	AS EVALUATED											
		AS SUBMITTED	21.536	15,365.00			16,920,552.60	2,357,458.10	235,745.81	19,513,756.51	18%	3,512,476.17	1,151,311.63
	TOTAL OF PART G	AS EVALUATED											
		AS SUBMITTED	21.536				16,920,552.60	2,357,458.10	235,745.81	19,513,756.51		3,512,476.17	1,151,311.63
PART I-B		BANK AND SLOPE PROTECTION											
1716(6)	Structural Steel Sheet Piles, Furnished (0.40wide)	AS EVALUATED			ln.m.								
		AS SUBMITTED	38.654	10,848.00			34,366,464.00	65,423.33	592,227.17	35,024,114.49	18%	6,304,340.61	2,066,422.76
1716(12)	Structural Steel Sheet Piles, Driven	AS EVALUATED			ln.m.								
		AS SUBMITTED	8.989	10,848.00			416,563.20	764,294.48	6,963,759.70	8,144,617.38	18%	1,466,031.13	480,532.43
1716(16)	Steel Sheet Test Piles, Furnished and Driven	AS EVALUATED			ln.m.								
		AS SUBMITTED	0.073	12.00			55,588.62	1,056.82	9,629.09	66,274.54	18%	11,929.42	3,910.20
1710(2)a	Grouted Riprap, Class "A"	AS EVALUATED			cu. m.								
		AS SUBMITTED	6.237	1,930.00			4,419,604.68	740,301.68	491,723.08	5,651,629.44	18%	1,017,293.30	333,446.14
	TOTAL OF PART I-B	AS EVALUATED											
		AS SUBMITTED	53.854				39,258,220.50	1,571,078.31	8,057,338.04	48,886,635.85		8,799,594.45	2,884,311.52
	GRAND TOTAL	AS EVALUATED											
		AS SUBMITTED	100.000				72,472,076.35	6,541,822.20	11,594,597.81	90,608,296.36		16,117,210.83	5,338,275.36



**CONST./REHAB. OF FLOOD MITIGATION FACILITIES WITHIN MAJOR RIVER BASINS AND PRINCIPAL RIVERS REHAB./IMPROVEMENT OF FLOOD CONTROL FOR PREVENTION AND MITIGATION ALONG BRGY. SAN JOSE-POB. IMELDA, PART  
OF SUBUEY RIVER, IMELDA, ZAMBOANGA SIBUGAY  
IMELDA , ZAMBOANGA SIBUGAY**



				ITEMIZED BREAKDOWN							
ITEM NO.	DESCRIPTION	QTY		UNIT	DIRECT COST				TOTAL UNIT COST		% DIRECT COST
					TOTAL		UNIT COST		(DIRECT+INDIRECT)		
		AS SUBMITTED	AS EVALUATED		AS SUBMITTED	AS EVALUATED	AS SUBMITTED	AS EVALUATED	AS SUBMITTED	AS EVALUATED	AS EVALUATED
PART A	FACILITIES FOR THE ENGINEER										
A.1.1(3)	Construction of Field Office for the Engineer (7.0m. X 9.0 m.)	1.00		L.S.	480,823.76		480,823.76		595,740.64		0.531
A.1.1(11)	Provision of Furnitures/Fixtures,Equipment and Appliances for theField Office for the Engineers	1.00		L. S.	206,580.00		206,580.00		234,261.72		0.228
A. 1.2	Operation and Maintenance of Gov't Service Vehicle	1.00		L.S.	568,321.00		568,321.00		656,410.76		0.627
	TOTAL OF PART A				1,255,724.76						1.386
PART B	OTHER GENERAL REQUIREMENTS										
B.5	Project Billboard/Signboard	4.00		units	14,579.49		3,644.87		4,516.00		0.016
B.4 (1)	Construction Survey and Staking	0.703		km.	20,117.67		28,616.88		35,456.31		0.022
B.7	Occupational Safety and Health Program	1.00		L. S.	264,325.00		264,325.00		327,498.68		0.292
B.9	Mobilization & Demobilization	1.00		L. S.	238,301.28		238,301.28		295,255.29		0.263
	TOTAL OF PART B				537,323.44						0.593
PART C	EARTHWORK										
104(2)a	Embankment from Borrow	2,179.00		cu.m.	1,384,646.15		635.45		787.32		1.528
	TOTAL OF PART C				1,384,646.15						1.528
PART D	SUBBASE AND BASE COURSE										
200(1)	Aggregate Subbase Course	970.00		cu.m.	1,038,913.92		1,071.05		1,327.03		1.147
	TOTAL OF PART D				1,038,913.92						1.147



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PART I-B	BANK AND SLOPE PROTECTION										
1718(6)	Structural Steel Sheet Piles, Furnished (0.40wide)	10,848.00		ln.m.	35,024,114.48		3,228.62		4,000.27		38.654
1718(12)	Structural Steel Sheet Piles, Driven	10,848.00		ln.m.	8,144,617.38		750.79		930.23		8.989
1718(16)	Steel Sheet Test Piles, Furnished and Driven	12.00		ln.m.	66,274.54		5,522.88		6,842.85		0.073
1710(2)a	Grouted Riprap, Class "A"	1,930.00		cu. m.	5,651,629.44		2,928.31		3,828.17		6.237
	TOTAL OF PART H				48,886,635.85						53.954
	GRAND TOTAL				90,608,296.36						100.000



**MAJOR RIVER BASINS AND PRINCIPAL RIVERS REHAB./IMPROVEMENT OF FLOOD CONTROL FOR PREVENTION AND MITIGATION ALONG BRGY. SAN JOSE-POB. IMELDA, PART  
IMELDA, ZAMBOANGA SIBUGAY**

MINIMUM EQUIPMENT REQUIREMENT							
No.	Equipment Description	Capacity	Number of Equipment	No.	Equipment Description	Capacity	Number of Equipment
1	Truck Mounted Crane		1	31			
2	Vibro Hammer		1	32			
3	Gen. Set.		1	33			
4	Plate Compactor (400-500 GASOLINE ENGINE)		1	34			
5	One Bagger Mixer	4-6ft <sup>3</sup> /min	2	35			
6	Dump Truck (All Models)	12 yd <sup>3</sup>	2	36			
7	Cargo/Service Truck (All Models)	9 - 10 mt	1	37			
8	Boom Truck (All Models)	2-5 mt	1	38			
9	Water Truck/pump (All Makes)	16000 L	1	39			
10	Water Pump, 100 mm suction dia.	50 (mm)	1	40			
11	Welding Machine (Gas /Diesel Driven)		1	41			
12	Concrete Vibrator		2	42			
13	Concrete Saw		2	43			
14	Bar Cutter		1	44			
15	Bar Bender		1	45			
16	Cutting Outfit		1	46			
17				47			
18				48			
19				49			
20				50			
21				51			
22				52			
23				53			
24				54			
25				55			
26				56			
27				57			
28				58			
29				59			
30				60			
	<b>SUB-TOTAL</b>		<b>20</b>		<b>SUB-TOTAL</b>		
					<b>TOTAL</b>		<b>20</b>



**CONST. /REHAB. OF FLOOD MITIGATION FACILITIES WITHIN MAJOR RIVER BASINS AND PRINCIPAL RIVERS REHAB./IMPROVEMENT OF FLOOD CONTROL FOR PREVENTION AND MITIGATION ALONG BRGY. SAN JOSE-POB, IMELDA, PART OF SUBLEY RIVER, IMELDA, ZAMBOANGA**  
**IMELDA, ZAMBOANGA SIBUGAY**  
**DETAILED UNIT PRICE ANALYSIS (DUPA)**

Item No. / Description : A.1.1(3) Construction of Field Office for the Engineer (7.00 m. x 8.00 m.)

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				
	Const. Foreman	1	120.00	80.95	9,714.15
	Skilled Laborers	8	120.00	58.61	56,265.60
	Unskilled Laborers	8	120.00	45.16	43,350.00
	<b>Sub - Total for A.1 - As Submitted</b>				<b>109,329.75</b>
	Labor				
A.2					
	<b>Sub - Total for A.2 - As Evaluated</b>				
	Name and Capacity	No. of Units	No. of Hours	Hourly Rate	Amount (PHP)
B.1	Equipment				
	One Bagger Mixer	1	120.00	172.00	20,640.00
	Water Truck/Pump	1	8.00	2,450.00	19,600.00
	Minor Tools (10% of Labor Cost)				10,932.98
	<b>Sub - Total for B.1 - As Submitted</b>				<b>51,172.98</b>
	Equipment				
B.2					
	<b>Sub - Total for B.2 - As Evaluated</b>				<b>1</b>
C.1	<b>Total (A.1 + B.1) - As Submitted</b>				<b>160,502.73</b>
C.2	<b>Total (A.2 + B.2) - As Evaluated</b>				<b>-</b>
D.1	Output per hour - As Submitted				<b>1.00</b>
D.2	Output per hour - As Evaluated				
E.1	Direct Unit Cost (C.1 + D.1) - As Submitted				<b>160,502.73</b>
E.2	Direct Unit Cost (C.2 + D.2) - As Evaluated				<b>-</b>
	Name and Specification	Unit	Quantity	Unit Cost	Amount (PHP)
<b>Materials</b>					
	Portland Cement	bag	220.00	286.81	63,097.23
	Crushed Gravel	cum.	15.00	1,124.80	16,872.00
	Washed Sand	cum.	25.00	1,017.80	25,445.00
	Reinforcing Steel Bars, Grade 60	kg.	800.00	43.00	34,400.00
	Tie Wire	kg.	35.00	85.00	2,975.00
	Lumber	bd ft.	250.00	15.00	3,750.00
	Assorted CW Nails	kg.	20.00	70.00	1,400.00
	CHB 6" thick	pc.	700.00	25.00	17,500.00
	Reinforcing Steel Bars, Grade 40	kg.	150.00	40.00	6,000.00
	D.1 Yellow Coat Truck Type mixing drum, complete w/ accessories	set	1.00	1,495.20	1,495.20
	Angle Bars	kg.	640.00	52.00	33,280.00
	Pullins, C-150mm x 50 x 3mm	kg.	35.00	52.00	1,820.00
	16mm dia. Cross Bracing	kg.	65.00	50.00	3,250.00
	16mm dia. Turn Buckle	kg.	30.00	230.00	6,900.00
	12mm blk. Base Plate	kg.	45.00	50.00	2,250.00
	10mm blk. Bolten plate	kg.	30.00	50.00	1,500.00
	10mm dia. Sag Rod	pc.	15.00	50.00	750.00
	20mm dia X 350 mm Anchor Bolts	kg.	150.00	50.00	7,500.00
	Welding Rod	kg.	25.00	135.00	3,375.00
	Primer, Zinc Chromate	kg.	5.00	531.00	2,655.00
	Pre-painted G.I. Roofing Shit, Long Span	gal.	55.00	420.00	23,100.00
	Pre-painted Flashing Ridge Roll GA24x 0.60m width	sq.m.	10.00	189.00	1,890.00
	Pre-painted flashing, GA 24	lm.m.	2.00	189.00	378.00
	Tackscrew 1-1/2"	lm.m.	1,000.00	1.25	1,250.00
	Roof Sealant	pc.	2.00	230.00	460.00
	Rough Lumber, Sun dried Tangile	bd ft.	450.00	37.00	16,650.00
	Finishing Nails	kg.	5.00	280.00	1,400.00
	2 x 40w Fluorescent Lighting Fixtures	kg.	5.00	1,450.00	7,250.00
	Porcelain Ceiling Outlet w/ female	pc.	2.00	50.00	100.00
	Duplex Convenience Outlet	pc.	3.00	170.00	510.00
	Two gang Switch	pc.	3.00	132.00	396.00
	3.50mm2 THW	roll	1.00	3,600.00	3,600.00
	8,000mm2 THW	m	20.00	69.33	1,386.60
	15mm dia. PVC pipe	pc.	20.00	76.00	1,520.00
	15mm dia. PVC Coupling	pc.	20.00	27.00	540.00
	15mm dia. PVC Elbow	pc.	20.00	26.00	520.00

F.1

15mm dia. PVC Clamp	pc.	50.00	8.00	400.00
20mm dia. RSC pipe	pc.	4.00	240.00	960.00
20mm dia. RSC Coupling	pc.	3.00	36.00	108.00
20 mm dia. RSC Elbow	pc.	3.00	30.00	90.00
20 mm dia. RSC Clamp	pc.	10.00	18.00	180.00
20mm dia. Service Entrance Cap	pc.	2.00	101.50	203.00
Wire Holder	pc.	2.00	50.00	100.00
Utility Box	pc.	7.00	32.00	224.00
Octagon Box	pc.	50.00	34.00	1,700.00
Electrical Tape	pc.	7.00	28.00	196.00
Panel Boardside Main w/ braches	set	2.00	2,750.00	5,500.00
Water Closet (complete w/ accessories & fittings)	set	1.00	6,062.00	6,062.00
Lavatory (complete w/ fittings & accessories)	set	1.00	4,512.00	4,512.00
1/2" GI pipe S-40	pc.	2.00	292.00	584.00
1/2" Water Faucet	pc.	2.00	165.00	330.00
1/2" Assorted Connector	pc.	8.00	19.00	152.00
4" PVC Series 1000	pc.	1.00	640.00	640.00
2" PVC Series 1000	pc.	1.00	305.00	305.00
4" PVC Assorted Connector	pc.	6.00	77.00	462.00
2" PVC Assorted Connector	pc.	8.00	56.00	448.00
Sub - Total for F.1 - As Submitted				320,321.03
Materials				
F.2				
Sub - Total for F.2 - As Evaluated				
G.1 Direct Unit Cost (E.1 + F.1) - As Submitted				480,823.76
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		48,082.38
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		38,465.90
I.2 Contractor's Profit (CP) - As Evaluated		10% / 8% of G.2		-
J.1 Value Added Tax (VAT) - As Submitted		5% of (G.2 + H.2 + I.1)		28,368.60
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.1 + H.1 + I.1 + J.1)		595,740.64
K.2 Total Unit Cost - As Evaluated		(G.2 + H.2 + I.2 + J.2)		-

Prepared by:

JOSEPHINE K. RENGOLINO  
Engineer II  
DPWH RO9

Checked/Reviewed by:

JERALD B. BARRERA  
Engineer II  
DPWH RO9

**CONST./REHAB. OF FLOOD MITIGATION FACILITIES WITHIN MAJOR RIVER BASINS AND PRINCIPAL RIVERS REHAB./IMPROVEMENT OF FLOOD CONTROL FOR PREVENTION AND MITIGATION ALONG BRGY. SAN JOSE-POB, IMELDA, PART OF SUBUEY RIVER, IMELDA, ZAMBOANGA**  
**IMELDA, ZAMBOANGA SIBUGAY**  
**DETAILED UNIT PRICE ANALYSIS (DUPA)**

Item No./Description : A.1.1(11) Provision of Furniture/Fixtures,Equipment & Appliances for the Field ofr the Engineers

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
					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				-
					-
					-
	Sub - Total for B.1 - As Submitted				-
	Equipment				
B.2					
	Sub - Total for B.2 - As Evaluated				
C.1	Total (A.1 + B.1) - As Submitted				-
C.2	Total (A.2 + B.2) - As Evaluated				-
D.1	Output per hour - As Submitted				1.00
D.2	Output per hour - As Evaluated				1.00
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)
<b>Materials</b>					
	White Board, 3' x 6'	each	1.00	2,000.00	2,000.00
	8-seater Monotock Dining Table	unit	1.00	5,000.00	5,000.00
	Monotock Chairs	pc.	12.00	500.00	6,000.00
	Plastic Pail & Basin	set	2.00	500.00	1,000.00
	Aluminum Cookware	set	1.00	3,000.00	3,000.00
	Plates, Glass, Spoon & Fork	doz.	1.00	2,000.00	2,000.00
	6" Sleeping Bed w/ pillows & blanket	pc.	3.00	5,000.00	15,000.00
	Office Table, Jr. Executive type w/ chair	set	1.00	7,000.00	7,000.00
	Drawing Table	each	1.00	4,000.00	4,000.00
	Computer Table	each	1.00	2,500.00	2,500.00
	Cartridge(Computer Printer/ink)	each	12.00	1,000.00	12,000.00
	Bond paper(1.ong)	ream	20.00	350.00	7,000.00
	Bond Paper(Short)	ream	15.00	300.00	4,500.00
	Pad paper	pads	6.00	50.00	300.00
	Scotch Tape	rolls	6.00	45.00	270.00
	Masking Tape	rolls	6.00	100.00	600.00
	Batteries Energizer	pc.	12.00	50.00	600.00
	Balpen	box	3.00	250.00	750.00
	Pencils	box	2.00	150.00	300.00
	Paper Clips	box	2.00	45.00	90.00
	Fasteners	box	4.00	50.00	200.00
	Eraser(ink, pencil)	box	2.00	120.00	240.00
	Single Wire	box	6.00	150.00	900.00
	Cutler Blade	box	3.00	200.00	600.00
	Glue	bottles	6.00	50.00	300.00
	Correction Fluid Pen	bottles	12.00	50.00	600.00
	Brown Envelope, Long & Short	doz.	6.00	110.00	660.00
	Expanded Envelope, long	doz.	6.00	130.00	780.00
	Colored Pencil, 12's	set	6.00	150.00	900.00
	Folder, short	doz.	6.00	100.00	600.00
	Folder, long	doz.	6.00	120.00	720.00
	Pen(ink/assorted Colors)	pcs.	12.00	50.00	600.00
	White Board Marker(Assorted Colors)	pcs.	12.00	90.00	1,080.00
	Letter Envelope, White (long)	box	2.00	130.00	260.00
	Data File Folder	pcs.	6.00	150.00	900.00
	Sign Pen, Assorted	doz.	2.00	500.00	1,000.00
	Laptop	unit	1.00	60,000.00	60,000.00
	Computer Printer (Scanner & Photocopier)	unit	1.00	8,000.00	8,000.00
	Digital Camera	unit	1.00	10,000.00	10,000.00
	USB (32 GB)	unit	2.00	600.00	1,200.00
	Water dispenser	unit	1.00	5,000.00	5,000.00

F.1

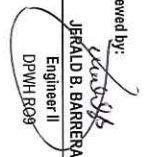


Electric Fan	pc.	3.00	2,000.00	6,000.00
Steel Cabinet	unit	1.00	5,000.00	5,000.00
Gas Stove w/ Tank	set	1.00	3,500.00	3,500.00
Stove Tank Refill	tanks	6.00	850.00	5,100.00
Wall Clock	unit	2.00	500.00	1,000.00
Rice Cooker	unit	1.00	1,300.00	1,300.00
Electric Airpot	unit	1.00	1,800.00	1,800.00
Water Container	pc.	2.00	300.00	600.00
Puncher	pc.	1.00	300.00	300.00
Stapler	pc.	3.00	300.00	900.00
Bulletin/Cork Board 2' x 3'	pc.	2.00	500.00	1,000.00
Scissors	pc.	4.00	50.00	200.00
Record Book (500 leaves)	pc.	6.00	130.00	780.00
Folding Bed	pc.	3.00	1,800.00	5,400.00
Bedsteests(Single)	pc.	6.00	500.00	3,000.00
Rechargeable Lamps	unit	3.00	750.00	2,250.00
Sub - Total for F.1 - As Submitted				206,580.00
Materials				
F.2				
Sub - Total for F.2 - As Evaluated				
G.1	Direct Unit Cost (E.1 + F.1) - As Submitted			206,580.00
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		16,526.40
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)		11,155.32
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)		234,261.72
K.2	Total Unit Cost - As Evaluated	(G.2 + H.2 + I.2 + J.2)		-

Prepared by:

  
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 DPWH RO9

Checked/Reviewed by:

  
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 DPWH RO9

**CONST./REHAB. OF FLOOD MITIGATION FACILITIES WITHIN MAJOR RIVER BASINS AND PRINCIPAL RIVERS REHAB./IMPROVEMENT OF FLOOD  
CONTROL FOR PREVENTION AND MITIGATION ALONG BRGY. SAN JOSE-POB, IMELDA, PART OF SUBUEY RIVER, IMELDA, ZAMBOANGA  
IMELDA, ZAMBOANGA SIBUGAY  
DETAILED UNIT PRICE ANALYSIS (DUPA)**

Item No. / Description : A.1.2 Operation and Maintenance of Gov't Service Vehicle

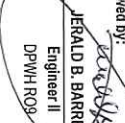
Quantity : 1.00  
Unit of Measurement : L.S.  
Output per hour - As Submitted : 1.00  
Output per hour - As Evaluated :

Designation	No. of Persons	No. of Hours	Hourly Rate	Amount (Php)
<b>A.1</b>				
Labor				0.00
Service Driver	1	3,600.00	58.61	210,996.00
				0.00
<b>Sub - Total for A.1 - As Submitted</b>				210,996.00
Labor				
<b>A.2</b>				
<b>Sub - Total for A.2 - As Evaluated</b>				
Name and Capacity	No. of Units	No. of Hours	Hourly Rate	Amount (Php)
<b>B.1</b>				
Equipment				-
Service Vehicle	1	-		-
				-
<b>Sub - Total for B.1 - As Submitted</b>				-
Equipment				
<b>B.2</b>				
<b>Sub - Total for B.2 - As Evaluated</b>				210,996.00
<b>C.1</b>				
<b>Total (A.1 + B.1) - As Submitted</b>				-
<b>C.2</b>				
<b>Total (A.2 + B.2) - As Evaluated</b>				1.00
<b>D.1</b>				
Output per hour - As Evaluated				1.00
<b>D.2</b>				
Output per hour - As Evaluated				210,996.00
<b>E.1</b>				
<b>Direct Unit Cost (C.1 + D.1) - As Submitted</b>				-
<b>E.2</b>				
<b>Direct Unit Cost (C.2 + D.2) - As Evaluated</b>				
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php)
<b>Materials</b>				
<b>F.1</b>				
Diesel Fuel	liters	4,500.00	51.00	229,500.00
Engine Oil & Lubricants	L.S.	1.00	34,425.00	34,425.00
Tires	pcs.	5.00	9,500.00	47,500.00
Spare Parts	L.S.	1.00	45,900.00	45,900.00
				-
<b>Sub - Total for F.1 - As Submitted</b>				357,325.00
<b>Materials</b>				
<b>F.2</b>				
<b>Sub - Total for F.2 - As Evaluated</b>				
<b>G.1</b>				
<b>Direct Unit Cost (E.1 + F.1) - As Submitted</b>				568,321.00
<b>G.2</b>				
<b>Direct Unit Cost (E.2 + F.2) - As Evaluated</b>				-
<b>H.1</b>				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted		15% / 12% / 10% / 8% of G.1		56,832.10
<b>H.2</b>				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated		15% / 12% / 10% / 8% of G.2		-
<b>I.1</b>				
Contractor's Profit (CP) - As Submitted		10% / 8% of G.1		-
<b>I.2</b>				
Contractor's Profit (CP) - As Evaluated		10% / 8% of G.2		-
<b>J.1</b>				
Value Added Tax (VAT) - As Submitted		5% of (G.1 + H.1 + I.1)		31,257.65
<b>J.2</b>				
Value Added Tax (VAT) - As Evaluated		5% of (G.2 + H.2 + I.2)		-
<b>K.1</b>				
Total Unit Cost - As Submitted		(G.1 + H.1 + I.1 + J.1)		656,410.76
<b>K.2</b>				
Total Unit Cost - As Evaluated		(G.2 + H.2 + I.2 + J.2)		-

Prepared by:

  
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DPWH RO9

Checked/Reviewed by:

  
GERALD B. BARRERA  
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DPWH RO9

**CONST. REHAB. OF FLOOD MITIGATION FACILITIES WITHIN MAJOR RIVER BASINS AND PRINCIPAL RIVERS REHAB./IMPROVEMENT OF FLOOD CONTROL FOR PREVENTION AND MITIGATION ALONG BRGY. SAN JOSE-POB. IMELDA, PART OF SUBUEY RIVER, IMELDA, ZAMBOANGA**  
**IMELDA, ZAMBOANGA SIBUGAY**  
**DETAILED UNIT PRICE ANALYSIS (DUPA)**

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

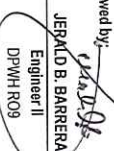
Quantity : 0.70  
 Unit of Measurement : km.  
 Output per hour - As Submitted : 1.00  
 Output per hour - As Evaluated :

Designation	No. of Persons	No. of Hours	Hourly Rate	Amount (Php)
<b>Labor</b>				0.00
For Fieldworks:				
Geodetic Engineer	1	27.00	104.16	2,812.42
Skilled Laborers	1	27.00	58.61	1,582.47
Laborers	2	27.00	45.16	2,438.44
<b>A.1</b>				
For Office Works:				
Geodetic Engineer	1	80.00	104.16	8,333.10
Skilled Laborers	1	80.00	58.61	4,688.80
				0.00
<b>Sub - Total for A.1 - As Submitted</b>				19,855.23
<b>Labor</b>				
<b>A.2</b>				
<b>Sub - Total for A.2 - As Evaluated</b>				1
<b>Equipment</b>				
<b>B.1</b>				
Total Station Complete w/ accessories	1	27.00	100.00	2,700.00
<b>Sub - Total for B.1 - As Submitted</b>				2,700.00
<b>Equipment</b>				
<b>B.2</b>				
<b>Sub - Total for B.2 - As Evaluated</b>				
<b>C.1</b>				
Total (A.1 + B.1) - As Submitted				22,555.23
<b>C.2</b>				
Total (A.2 + B.2) - As Evaluated				-
<b>D.1</b>				
Output per hour - As Submitted				1.00
<b>D.2</b>				
Output per hour - As Evaluated				22,555.23
<b>E.1</b>				
Direct Unit Cost (C.1 + D.1) - As Submitted				-
<b>E.2</b>				
Direct Unit Cost (C.2 + D.2) - As Evaluated				
<b>F.1</b>				
<b>Materials</b>				
Standard Stake Plan (800 mm x 910 mm p/cting)	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
<b>Sub - Total for F.1 - As Submitted</b>				-
<b>Materials</b>				
<b>F.2</b>				
<b>Sub - Total for F.2 - As Evaluated</b>				6,061.65
<b>G.1</b>				
Direct Unit Cost (E.1 + F.1) - As Submitted				28,616.88
<b>G.2</b>				
Direct Unit Cost (E.2 + F.2) - As Evaluated				-
<b>H.1</b>				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted		15% / 12% / 10% / 8% of G.1		2,861.69
<b>H.2</b>				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated		15% / 12% / 10% / 8% of G.2		-
<b>I.1</b>				
Contractor's Profit (CP) - As Submitted		10% / 8% of G.1		2,289.35
<b>I.2</b>				
Contractor's Profit (CP) - As Evaluated		10% / 8% of G.2		-
<b>J.1</b>				
Value Added Tax (VAT) - As Submitted		5% of (G.1 + H.1 + I.1)		1,688.40
<b>J.2</b>				
Value Added Tax (VAT) - As Evaluated		5% of (G.2 + H.2 + I.2)		-
<b>K.1</b>				
Total Unit Cost - As Submitted		(G.1 + H.1 + I.1 + J.1)		35,565.31
<b>K.2</b>				
Total Unit Cost - As Evaluated		(G.2 + H.2 + I.2 + J.2)		-

Prepared by:

  
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Checked/Reviewed by:

  
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**CONST./REHAB. OF FLOOD MITIGATION FACILITIES WITHIN MAJOR RIVER BASINS AND PRINCIPAL RIVERS REHAB./IMPROVEMENT OF FLOOD CONTROL FOR PREVENTION AND MITIGATION ALONG BRGY. SAN JOSE-POB, IMELDA, PART OF SUBUEY RIVER, IMELDA, ZAMBOANGA  
IMELDA, ZAMBOANGA SIBUGAY  
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)
<b>A.1</b>				
Labor				0.00
Const. Foreman	1	1.00	80.95	80.95
Skilled Laborers	1	1.00	58.61	58.61
Laborers	2	1.00	45.16	90.31
				0.00
Sub - Total for A.1 - As Submitted				229.87
Labor				
<b>A.2</b>				
Sub - Total for A.2 - As Evaluated				
<b>B.1</b>				
Equipment	No. of Units	No. of Hours	Hourly Rate	Amount (Php)
				-
Sub - Total for B.1 - As Submitted				-
Equipment				
<b>B.2</b>				
Sub - Total for B.2 - As Evaluated				229.87
<b>C.1</b>				
Total (A.1 + B.1) - As Submitted				229.87
<b>C.2</b>				
Total (A.2 + B.2) - As Evaluated				-
<b>D.1</b>				
Output per hour - As Submitted				1.00
<b>D.2</b>				
Output per hour - As Evaluated				1.00
<b>E.1</b>				
Direct Unit Cost (C.1 + D.1) - As Submitted				229.87
<b>E.2</b>				
Direct Unit Cost (C.2 + D.2) - As Evaluated				-
<b>F.1</b>				
Materials	Unit	Quantity	Unit Cost	Amount (Php)
				-
Marine Plywood (3/16" thk. 4' x 8')	pc.	1.00	435.00	435.00
Tarpaulin (4' x 8')	pc	1.00	800.00	800.00
Assorted Sizes Lumber	bd.ft.	50.00	42.00	2,100.00
Assorted CW Nails	kg.	1.00	80.00	80.00
				-
Sub - Total for F.1 - As Submitted				3,415.00
Materials				
<b>F.2</b>				
Sub - Total for F.2 - As Evaluated				3,644.87
<b>G.1</b>				
Direct Unit Cost (E.1 + F.1) - As Submitted				-
<b>G.2</b>				
Direct Unit Cost (E.2 + F.2) - As Evaluated				3,644.87
<b>H.1</b>				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted			15% / 12% / 10% / 8% of G.1	364.49
<b>H.2</b>				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated			15% / 12% / 10% / 8% of G.2	-
<b>I.1</b>				
Contractor's Profit (CP) - As Submitted			10% / 8% of G.1	291.59
<b>I.2</b>				
Contractor's Profit (CP) - As Evaluated			10% / 8% of G.2	-
<b>J.1</b>				
Value Added Tax (VAT) - As Submitted			5% of (G.1 + H.1 + I.1)	215.05
<b>J.2</b>				
Value Added Tax (VAT) - As Evaluated			5% of (G.2 + H.2 + I.2)	-
<b>K.1</b>				
Total Unit Cost - As Submitted			(G.1 + H.1 + I.1 + J.1)	4,516.00
<b>K.2</b>				
Total Unit Cost - As Evaluated			(G.2 + H.2 + I.2 + J.2)	-

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**CONST./REHAB. OF FLOOD MITIGATION FACILITIES WITHIN MAJOR RIVER BASINS AND PRINCIPAL RIVERS REHAB./IMPROVEMENT OF FLOOD  
CONTROL FOR PREVENTION AND MITIGATION ALONG BRGY. SAN JOSE-POB, IMELDA, PART OF SUBUEY RIVER, IMELDA, ZAMBOANGA  
IMELDA, ZAMBOANGA SIBUGAY  
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)
<b>A.1</b>				
Labor				0.00
Safety Proclitioner	1	900.00	58.61	52,749.00
First Aider	1	3,600.00	45.16	162,576.00
				0.00
				0.00
Sub - Total for A.1 - As Submitted				215,325.00
Labor				
<b>A.2</b>				
Sub - Total for A.2 - As Evaluated				
<b>B.1</b>				
Equipment	No. of Units	No. of Hours	Hourly Rate	Amount (PHP)
				-
				-
Sub - Total for B.1 - As Submitted				-
Equipment				
<b>B.2</b>				
Sub - Total for B.2 - As Evaluated				215,325.00
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				215,325.00
E.1 Direct Unit Cost (C.1 ÷ D.1) - As Submitted				-
E.2 Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				
<b>F.1</b>				
Materials	Unit	Quantity	Unit Cost	Amount (PHP)
				-
Rubber BootsMen,Long w/ Steel Toe, Black	pc.	30.00	500.00	15,000.00
Working Gloves (Wearing Materials)	pc	30.00	50.00	1,500.00
Rain Coats (Reinforced Hip)	bd fl.	30.00	300.00	9,000.00
First Aid Kit (Complete medicines & tools)	set	1.00	2,500.00	2,500.00
Bandages/Signboards	pcs.	15.00	1,400.00	21,000.00
				-
Sub - Total for F.1 - As Submitted				49,000.00
<b>F.2</b>				
Materials				
Sub - Total for F.2 - As Evaluated				264,325.00
G.1 Direct Unit Cost (E.1 + F.1) - As Submitted				-
G.2 Direct Unit Cost (E.2 + F.2) - As Evaluated				264,325.00
H.1 Overhead, Contingencies & Miscellaneous (OCM) - As Submitted			15% / 12% / 10% / 8% of G.1	26,432.50
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	21,146.00
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)	15,595.18
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)	327,498.68
K.2 Total Unit Cost - As Evaluated			(G.2 + H.2 + I.2 + J.2)	-

Prepared by:

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**CONST./REHAB. OF FLOOD MITIGATION FACILITIES WITHIN MAJOR RIVER BASINS AND PRINCIPAL RIVERS REHAB./IMPROVEMENT OF FLOOD CONTROL FOR PREVENTION AND MITIGATION ALONG BRGY. SAN JOSE-POB. IMELDA, PART OF SUBEY RIVER, IMELDA, ZAMBOANGA  
IMELDA, ZAMBOANGA SIBUGAY  
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
	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	28.00	4,255.38	238,301.28
					-
	Sub - Total for B.1 - As Submitted				238,301.28
	Equipment				
B.2					
	Sub - Total for B.2 - As Evaluated				
C.1	Total (A.1 + B.1) - As Submitted				238,301.28
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				238,301.28
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				238,301.28
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		23,830.13
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		19,064.10
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)		14,059.78
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)		295,255.29
K.2	Total Unit Cost - As Evaluated		(G.2 + H.2 + I.2 + J.2)		-

Prepared by:

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Engineer II  
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### DETAILED UNIT PRICE ANALYSIS (DUPA)

### Embankment from Borrow

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	Designation	No of Persons	No of Hours	Hourly Rate	Amount (PHP)
	Labor				
	Excavation Work:				
	Const. Foreman	1	1.00	80.95	80.95
A.1	Laborers	2	1.00	45.16	90.31
				0.00	
				0.00	
	Sub - Total for A.1 - As Submitted				172.26
	Labor				1
A.2					1
	Sub - Total for A.2 - As Evaluated				
	Name and Capacity	No. of Units	No of Hours	Hourly Rate	Amount (PHP)
	Equipment				
	Road Grader	1	1.00	2,173.00	2,173.00
	Road Roller	1	1.00	1,846.00	1,846.00
B.1	Water Truck	1	0.25	2,460.00	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				4,803.76
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				96.08
E.2	Direct Unit Cost (C.2 + D.2) - As Evaluated				-
	Name and Specification	Unit	Quantity	Unit Cost	Amount (PHP)
	Materials				1
	Common Borrow(W/ 25% shrinkage factor)	cum.	1.25	431.50	539.38
F.1					-
					-
					-
					-
					-
	Sub - Total for F.1 - As Submitted				539.38
	Materials				
F.2					
	Sub - Total for F.2 - As Evaluated				
G.1	Direct Unit Cost (E.1 + F.1) - As Submitted				635.45
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		63.55
H.2	Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated		15% 12% 10% 8% of G.2		50.84
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		37.49
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)		787.32
K.2	Total Unit Cost - As Evaluated		(G.2 + H.2 + I.2 + J.2)		-

JOSEPHINE B. RENGQUIJO

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Engineer U  
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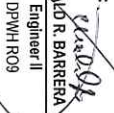
**CONST./REHAB. OF FLOOD MITIGATION FACILITIES WITHIN MAJOR RIVER BASINS AND PRINCIPAL RIVERS REHAB./IMPROVEMENT OF FLOOD CONTROL FOR PREVENTION AND MITIGATION ALONG BRGY. SAN JOSE-POB. IMELDA, PART OF SUBUEY RIVER, IMELDA, ZAMBOANGA**  
**IMELDA - ZAMBOANGA SIBUGAY**  
**DETAILED UNIT PRICE ANALYSIS (DUPA)**

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

Quantity : 970.00  
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)
<b>A.1</b>				
Labor				
Const. Foreman	1	1.00	80.95	80.95
Laborers	2	1.00	45.16	90.31
				0.00
				0.00
Sub - Total for A.1 - As Submitted				112.26
Labor				
<b>A.2</b>				
Sub - Total for A.2 - As Evaluated				
<b>B.1</b>				
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
Equipment				
<b>B.2</b>				
Sub - Total for B.2 - As Evaluated				
<b>C.1</b>				
Total (A.1 + B.1) - As Submitted				4,803.76
<b>C.2</b>				
Total (A.2 + B.2) - As Evaluated				-
<b>D.1</b>				
Output per hour - As Submitted				50.00
<b>D.2</b>				
Output per hour - As Evaluated				50.00
<b>E.1</b>				
Direct Unit Cost (C.1 + D.1) - As Submitted				96.08
<b>E.2</b>				
Direct Unit Cost (C.2 + D.2) - As Evaluated				-
<b>F.1</b>				
Materials				
Aggregate Subbase Course	cum.	1.15	847.80	974.97
(w/ 15% shrinkage)				-
				-
				-
Sub - Total for F.1 - As Submitted				974.97
Materials				
<b>F.2</b>				
Sub - Total for F.2 - As Evaluated				
<b>G.1</b>				
Direct Unit Cost (E.1 + F.1) - As Submitted				1,071.05
<b>G.2</b>				
Direct Unit Cost (E.2 + F.2) - As Evaluated				-
<b>H.1</b>				
Overhead Contingencies & Miscellaneous (OCM) - As Submitted			15% / 12% / 10% / 8% of G.1	107.10
<b>H.2</b>				
Overhead Contingencies & Miscellaneous (OCM) - As Evaluated			15% / 12% / 10% / 8% of G.2	-
<b>I.1</b>				
Contractor's Profit (CP) - As Submitted			10% / 8% of G.1	85.68
<b>I.2</b>				
Contractor's Profit (CP) - As Evaluated			10% / 8% of G.2	-
<b>J.1</b>				
Value Added Tax (VAT) - As Submitted			5% of (G.1 + H.1 + I.1)	63.19
<b>J.2</b>				
Value Added Tax (VAT) - As Evaluated			5% of (G.2 + H.2 + I.2)	-
<b>K.1</b>				
Total Unit Cost - As Submitted			(G.1 + H.1 + I.1 + J.1)	1,327.03
<b>K.2</b>				
Total Unit Cost - As Evaluated			(G.2 + H.2 + I.2 + J.2)	-

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**CONST/REHAB. OF FLOOD MITIGATION FACILITIES WITHIN MAJOR RIVER BASINS AND PRINCIPAL RIVERS REHAB/IMPROVEMENT OF FLOOD CONTROL FOR PREVENTION AND MITIGATION ALONG BRGY. SAN JOSE,POB, IMELDA, PART OF SUBUEY RIVER, IMELDA, ZAMBOANGA  
IMELDA, ZAMBOANGA SIBUGAY  
DETAILED UNIT PRICE ANALYSIS (DUPA)**

Item No. / Description : 1702(1) Structure Excavation

Quantity : 8,000.00  
Unit of Measurement : cu.m.  
Output per hour - As Submitted : 20.00  
Output per hour - As Evaluated :

Designation	No. of Persons	No. of Hours	Hourly Rate	Amount (Php)
<b>A.1</b>				
Labor				
Const. Foreman	1	1.00	80.95	80.95
Laborers	3	1.00	45.16	135.47
Sub - Total for A.1 - As Submitted				217.42
Labor				
<b>A.2</b>				
Sub - Total for A.2 - As Evaluated				
<b>Name and Capacity</b>	<b>No. of Units</b>	<b>No. of Hours</b>	<b>Hourly Rate</b>	<b>Amount (Php)</b>
<b>B.1</b>				
Equipment				
Dump Truck	2	1.00	1,420.00	2,840.00
Backhoe	1	1.00	1,537.00	1,537.00
Minor Tools( 10 % of Labor)				2.17
Sub - Total for B.1 - As Submitted				4,379.17
Equipment				
<b>B.2</b>				
Sub - Total for B.2 - As Evaluated				
<b>C.1</b>				
Total (A.1 + B.1) - As Submitted				4,596.59
<b>C.2</b>				
Total (A.2 + B.2) - As Submitted				-
<b>D.1</b>				
Output per hour - As Submitted				20.00
<b>D.2</b>				
Output per hour - As Evaluated				228.83
<b>E.1</b>				
Direct Unit Cost (C.1 ÷ D.1) - As Submitted				-
<b>E.2</b>				
Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				
<b>Name and Specification</b>	<b>Unit</b>	<b>Quantity</b>	<b>Unit Cost</b>	<b>Amount (Php)</b>
<b>F.1</b>				
Materials				
Sub - Total for F.1 - As Submitted				-
<b>F.2</b>				
Sub - Total for F.2 - As Evaluated				228.83
<b>G.1</b>				
Direct Unit Cost (E.1 + F.1) - As Submitted				-
<b>G.2</b>				
Direct Unit Cost (E.2 + F.2) - As Evaluated				22.88
<b>H.1</b>				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted			15% / 12% / 10% / 8% of G.1	-
<b>H.2</b>				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated			15% / 12% / 10% / 8% of G.2	18.39
<b>I.1</b>				
Contractor's Profit (CP) - As Submitted			10% / 8% of G.1	-
<b>I.2</b>				
Contractor's Profit (CP) - As Evaluated			10% / 8% of G.2	13.56
<b>J.1</b>				
Value Added Tax (VAT) - As Submitted			5% of (G.1 + H.1 + I.1)	-
<b>J.2</b>				
Value Added Tax (VAT) - As Evaluated			5% of (G.2 + H.2 + I.2)	284.76
<b>K.1</b>				
Total Unit Cost - As Submitted			(G.1 + H.1 + I.1 + J.1)	-
<b>K.2</b>				
Total Unit Cost - As Evaluated			(G.2 + H.2 + I.2 + J.2)	-

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**CONST./REHAB. OF FLOOD MITIGATION FACILITIES WITHIN MAJOR RIVER BASINS AND PRINCIPAL RIVERS REHAB./IMPROVEMENT OF FLOOD CONTROL FOR PREVENTION AND MITIGATION ALONG BRGY. SAN JOSE-POB, IMELDA, PART OF SUBUEY RIVER, IMELDA, ZAMBOANGA**  
**MEILDA, ZAMBOANGA SIBUGAY**

**DETAILED UNIT PRICE ANALYSIS (DUPA)**

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

Quantity : 45,822.00  
 Unit of Measurement : kg.  
 Output per hour - As Submitted : 180.00  
 Output per hour - As Evaluated :

Designation	No. of Persons	No. of Hours	Hourly Rate	Amount (PHP)
<b>Labor</b>				
Const. Foreman	1	1.00	80.95	80.95
A.1 Skilled Laborer	2	1.00	58.61	117.22
Laborers	8	1.00	45.16	361.25
Sub - Total for A.1 - As Submitted				479.47
<b>Labor</b>				
<b>A.2</b>				
Sub - Total for A.2 - As Evaluated				
<b>Equipment</b>				
Bar Cutter	1	1.00	219.75	219.75
Bar Bender	1	1.00	351.50	351.50
B.1 Cargo Truck	1	0.15	121.00	18.15
Sub - Total for B.1 - As Submitted				589.40
<b>Equipment</b>				
Sub - Total for B.2 - As Evaluated				
<b>C.1 Total (A.1 + B.1) - As Submitted</b>				1,068.87
<b>C.2 Total (A.2 + B.2) - As Submitted</b>				-
D.1 Output per hour - As Submitted				180.00
D.2 Output per hour - As Evaluated				180.00
E.1 Direct Unit Cost (C.1 + D.1) - As Submitted				5.94
E.2 Direct Unit Cost (C.2 + D.2) - As Evaluated				-
<b>Materials</b>				
Tie Wire	kg.	0.021	85.00	1.79
Reinforcing Steel Bar, Grade 40	kg.	1.05	40.00	42.00
F.1				-
Sub - Total for F.1 - As Submitted				43.79
<b>Materials</b>				
Sub - Total for F.2 - As Evaluated				
G.1 Direct Unit Cost (E.1 + F.1) - As Submitted				49.72
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	4.97
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	3.98
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)	2.93
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)	61.61
K.2 Total Unit Cost - As Evaluated			(G.2 + H.2 + I.2 + J.2)	-

Prepared by:

JOSEPHINE B. RENQUILLO  
 Engineer II  
 DPWH RO9

Checked/Reviewed by:

JERARD B. BARBERA  
 Engineer II  
 DPWH RO9



**CONST. REHAB. OF FLOOD MITIGATION FACILITIES WITHIN MAJOR RIVER BASINS AND PRINCIPAL RIVERS REHAB./IMPROVEMENT OF FLOOD CONTROL FOR PREVENTION AND MITIGATION ALONG BRGY. SAN JOSE-POB. IMELDA, PART OF SUBUEY RIVER, IMELDA, ZAMBOANGA  
IMELDA, ZAMBOANGA SIBUGAY  
DETAILED UNIT PRICE ANALYSIS (DUPA)**

Item No. / Description : 404(1)b Reinforcing Steel Bar, (Grade 60)

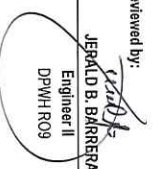
Quantity : 10,268.00  
Unit of Measurement : kg.  
Output per hour - As Submitted : 180.00  
Output per hour - As Evaluated :

Designation	No. of Persons	No. of Hours	Hourly Rate	Amount (PHP)
<b>Labor</b>				
Const. Foreman	1	1.00	80.95	80.95
Skilled Laborer	2	1.00	58.61	117.22
Laborers	8	1.00	45.16	361.25
<b>Sub - Total for A.1 - As Submitted</b>				<b>479.47</b>
<b>Labor</b>				
<b>A.2</b>				
<b>Sub - Total for A.2 - As Evaluated</b>				
<b>Equipment</b>				
Bar Cutter	1	1.00	219.75	219.75
Bar Bender	1	1.00	361.50	361.50
Cargo Truck	1	0.15	121.00	18.15
<b>B.1</b>				
<b>Sub - Total for B.1 - As Submitted</b>				<b>599.40</b>
<b>Equipment</b>				
<b>B.2</b>				
<b>Sub - Total for B.2 - As Evaluated</b>				
<b>C.1 Total (A.1 + B.1) - As Submitted</b>				<b>1,068.87</b>
<b>C.2 Total (A.2 + B.2) - As Evaluated</b>				<b>-</b>
<b>D.1 Output per hour - As Submitted</b>				<b>180.00</b>
<b>D.2 Output per hour - As Evaluated</b>				<b>5.94</b>
<b>E.1 Direct Unit Cost (C.1 + D.1) - As Submitted</b>				<b>-</b>
<b>E.2 Direct Unit Cost (C.2 + D.2) - As Evaluated</b>				<b>-</b>
<b>Name and Specification</b>	<b>Unit</b>	<b>Quantity</b>	<b>Unit Cost</b>	<b>Amount (PHP)</b>
<b>Materials</b>				
Tie Wire	kg.	0.021	85.00	1.79
Reinforcing Steel Bar Grade 60	kg.	1.05	43.00	45.15
<b>F.1</b>				
<b>Sub - Total for F.1 - As Submitted</b>				<b>46.94</b>
<b>Materials</b>				
<b>F.2</b>				
<b>Sub - Total for F.2 - As Evaluated</b>				<b>52.87</b>
<b>G.1 Direct Unit Cost (E.1 + F.1) - As Submitted</b>				<b>-</b>
<b>G.2 Direct Unit Cost (E.2 + F.2) - As Evaluated</b>				<b>5.29</b>
<b>H.1 Overhead, Contingencies &amp; Miscellaneous (OCM) - As Submitted</b>			15% / 12% / 10% / 8% of G.1	<b>-</b>
<b>H.2 Overhead, Contingencies &amp; Miscellaneous (OCM) - As Evaluated</b>			15% / 12% / 10% / 8% of G.2	<b>-</b>
<b>I.1 Contractor's Profit (CP) - As Submitted</b>			10% / 8% of G.1	<b>4.23</b>
<b>I.2 Contractor's Profit (CP) - As Evaluated</b>			10% / 8% of G.2	<b>-</b>
<b>J.1 Value Added Tax (VAT) - As Submitted</b>			5% of (G.1 + H.1 + I.1)	<b>3.12</b>
<b>J.2 Value Added Tax (VAT) - As Evaluated</b>			5% of (G.2 + H.2 + I.2)	<b>-</b>
<b>K.1 Total Unit Cost - As Submitted</b>			(G.1 + H.1 + I.1 + J.1)	<b>65.51</b>
<b>K.2 Total Unit Cost - As Evaluated</b>			(G.2 + H.2 + I.2 + J.2)	<b>-</b>

Prepared by:

  
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Engineer II  
DPWH RO9

Checked/Reviewed by:

  
JERALD B. BARRERA  
Engineer II  
DPWH RO9

**CONST. REHAB. OF FLOOD MITIGATION FACILITIES WITHIN MAJOR RIVER BASINS AND PRINCIPAL RIVERS REHAB./IMPROVEMENT OF FLOOD CONTROL FOR PREVENTION AND MITIGATION ALONG BRGY. SAN JOSE-POB. IMELDA, PART OF SUBUEY RIVER, IMELDA, ZAMBOANGA**  
**MEILDA, ZAMBOANGA SIBUGAY**  
**DETAILED UNIT PRICE ANALYSIS (DUPA)**

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

Quantity : 1,865.00  
Unit of Measurement : cum.  
Output per hour - As Submitted : 1.40  
Output per hour - As Evaluated :

Designation	No. of Persons	No. of Hours	Hourly Rate	Amount (PHP)
<b>Labor</b>				
Const. Foreman	1	1.00	80.95	80.95
Skilled Laborers	4	1.00	58.61	234.44
Laborers	8	1.00	45.16	361.25
<b>A.1</b>				
Installation/Removal of Formworks	4	1.00	58.61	234.44
Skilled Laborers	8	1.00	45.16	361.25
<i>For Provision of Asphalt Sealant @ every grove</i>				
Const. Foreman	1	1.00	80.95	80.95
Laborers	2	1.00	45.16	90.31
			0.00	0.00
<b>Sub - Total for A.1 - As Submitted</b>				<b>1,362.64</b>
<b>Labor</b>				
<b>A.2</b>				
<b>Sub - Total for A.2 - As Evaluated</b>				
<b>Equipment</b>				
<b>Name and Capacity</b>	<b>No. of Units</b>	<b>No. of Hours</b>	<b>Hourly Rate</b>	<b>Amount (PHP)</b>
One Bagger Mixer	1	1.00	172.00	172.00
Concrete Vibrator	1	1.00	91.25	91.25
Water Truck/Pump	1	0.10	2,450.00	245.00
<i>For Provision of Asphalt Sealant @ every grove</i>				
Asphalt Kettle/Drum	1	1.00	10.00	10.00
<b>Minor Tools (5% of Labor Cost)</b>				68.13
<b>Sub - Total for B.1 - As Submitted</b>				<b>586.38</b>
<b>Equipment</b>				
<b>B.2</b>				
<b>Sub - Total for B.2 - As Evaluated</b>				
<b>C.1</b>				<b>1,949.03</b>
<b>Total (A.1 + B.1) - As Submitted</b>				
<b>C.2</b>				
<b>Total (A.2 + B.2) - As Evaluated</b>				
<b>D.1</b>				<b>1.40</b>
<b>Output per hour - As Submitted</b>				
<b>D.2</b>				<b>1.40</b>
<b>Output per hour - As Evaluated</b>				
<b>E.1</b>				<b>1,392.16</b>
<b>Direct Unit Cost (C.1 + D.1) - As Submitted</b>				
<b>E.2</b>				
<b>Direct Unit Cost (C.2 + D.2) - As Evaluated</b>				
<b>Name and Specification</b>	<b>Unit</b>	<b>Quantity</b>	<b>Unit Cost</b>	<b>Amount (PHP)</b>
<b>Materials</b>				
Lumber	kg.	17.50	40.00	700.00
Marine Plywood	L.	0.40	795.00	318.00
Assorted GWN	bag	0.70	65.00	45.50
Portland Cement	cum.	9.50	286.81	2,724.65
Fine Aggregates	cum.	0.50	1,017.80	508.90
Coarse Aggregates	cum.	1.00	1,124.80	1,124.80
Blown Asphalt (Vol.=1.01 cum.)	kg.	1,215	274.18	333.05
<b>Sub - Total for F.1 - As Submitted</b>				<b>5,754.90</b>
<b>Materials</b>				
<b>F.2</b>				
<b>Sub - Total for F.2 - As Evaluated</b>				
<b>G.1</b>				<b>7,147.06</b>
<b>Direct Unit Cost (E.1 + F.1) - As Submitted</b>				
<b>G.2</b>				
<b>Direct Unit Cost (E.2 + F.2) - As Evaluated</b>				
<b>H.1</b>				<b>714.71</b>
<b>Overhead, Contingencies &amp; Miscellaneous (OCM) - As Submitted</b>				
<b>H.2</b>				
<b>Overhead, Contingencies &amp; Miscellaneous (OCM) - As Evaluated</b>				
<b>I.1</b>				<b>571.77</b>
<b>Contractor's Profit (CP) - As Submitted</b>				
<b>I.2</b>				
<b>Contractor's Profit (CP) - As Evaluated</b>				
<b>J.1</b>				<b>421.68</b>
<b>Value Added Tax (VAT) - As Submitted</b>				
<b>J.2</b>				
<b>Value Added Tax (VAT) - As Evaluated</b>				
<b>K.1</b>				<b>8,855.21</b>
<b>Total Unit Cost - As Submitted</b>				
<b>K.2</b>				
<b>Total Unit Cost - As Evaluated</b>				

Prepared by:

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DPWH RO9

Checked/Reviewed by:

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Engineer II  
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**CONST./REHAB. OF FLOOD MITIGATION FACILITIES WITHIN MAJOR RIVER BASINS AND PRINCIPAL RIVERS REHAB./IMPROVEMENT OF FLOOD CONTROL FOR PREVENTION AND MITIGATION ALONG BRGY. SAN JOSE-POB. IMELDA, PART OF SUBUEY RIVER, IMELDA, ZAMBOANGA**  
**IMELDA, ZAMBOANGA SIBUGAY**

**DETAILED UNIT PRICE ANALYSIS (DUPA)**

Item No. / Description : 508(1) Handlaid Rock Embankment

Quantity : 15,365.00

Unit of Measurement : cu.m.

Output per hour - As Submitted : 3.125

Output per hour - As Evaluated :

Designation	No. of Persons	No. of Hours	Hourly Rate	Amount (PHP)
<b>Labor</b>				
Const. Foreman	1	1.00	80.95	80.95
Skilled Laborers	2	1.00	58.61	117.22
Laborers	8	1.00	45.16	361.25
<b>A.1</b>				
				0.00
				0.00
<b>Sub - Total for A.1 - As Submitted</b>				<b>479.47</b>
<b>Labor</b>				
<b>A.2</b>				
<b>Sub - Total for A.2 - As Evaluated</b>				
<b>Name and Capacity</b>	<b>No. of Units</b>	<b>No. of Hours</b>	<b>Hourly Rate</b>	<b>Amount (PHP)</b>
<b>Equipment</b>				
				-
				-
				-
<b>B.1</b>				
				-
				-
				-
				-
Minor Tools (10 % of Labor Cost)				47.95
<b>Sub - Total for B.1 - As Submitted</b>				<b>47.95</b>
<b>Equipment</b>				
<b>B.2</b>				
<b>Sub - Total for B.2 - As Evaluated</b>				
<b>C.1</b>				<b>527.42</b>
<b>C.2</b>				
<b>D.1</b>				3.13
<b>D.2</b>				3.13
<b>E.1</b>				166.77
<b>E.2</b>				-
<b>Name and Specification</b>	<b>Unit</b>	<b>Quantity</b>	<b>Unit Cost</b>	<b>Amount (PHP)</b>
<b>Materials</b>				
				-
<b>Boulders</b>	cu.m.	1.05	1,048.80	1,101.24
<b>F.1</b>				-
				-
				-
<b>Sub - Total for F.1 - As Submitted</b>				<b>1,101.24</b>
<b>Materials</b>				
<b>F.2</b>				
<b>Sub - Total for F.2 - As Evaluated</b>				
<b>G.1</b>				<b>1,270.01</b>
<b>G.2</b>				
<b>H.1</b>				-
<b>H.2</b>				127.00
<b>I.1</b>				-
<b>I.2</b>				101.60
<b>J.1</b>				-
<b>J.2</b>				74.93
<b>K.1</b>				-
<b>K.2</b>				1,573.55
<b>Total Unit Cost - As Evaluated</b>				<b>(G.2 + H.2 + I.2 + J.2)</b>

Prepared by:

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DPWH RO9

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JERALD B. BARRERA

Engineer II  
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**CONST./REHAB. OF FLOOD MITIGATION FACILITIES WITHIN MAJOR RIVER BASINS AND PRINCIPAL RIVERS REHAB./IMPROVEMENT OF FLOOD CONTROL FOR PREVENTION AND MITIGATION ALONG BRGY. SAN JOSE-POB. IMELDA, PART OF SUBUEY RIVER, IMELDA, ZAMBOANGA**  
**IMELDA, ZAMBOANGA SIBUGAY**  
**DETAILED UNIT PRICE ANALYSIS (DUPA)**

Item No./Description : 1716(6) Structural Steel Sheet Piles, Furnished (0.40w/de)

Quantity : 10,848.00  
Unit of Measurement : ltr.m.  
Output per hour - As Submitted : 48.00  
Output per hour - As Evaluated :

Designation	No. of Persons	No. of Hours	Hourly Rate	Amount (PHP)
<b>Labor</b>				
Const. Foreman	1	1.00	80.95	80.95
Skilled Laborers	2	1.00	58.61	117.22
Laborers	2	1.00	45.16	90.31
<b>A.1</b>				
				0.00
				0.00
<b>Sub - Total for A.1 - As Submitted</b>				<b>289.48</b>
<b>Labor</b>				
<b>A.2</b>				
<b>Sub - Total for A.2 - As Evaluated</b>				
<b>Equipment</b>				
<b>Name and Capacity</b>	<b>No. of Units</b>	<b>No. of Hours</b>	<b>Hourly Rate</b>	<b>Amount (PHP)</b>
Truckmounted Crane	1	1.00	2,606.00	2,606.00
<b>B.1</b>				
				-
				-
				-
				-
				-
Minor Tools (5% of Labor Cost)				14.47
<b>Sub - Total for B.1 - As Submitted</b>				<b>2,620.47</b>
<b>Equipment</b>				
<b>B.2</b>				
<b>Sub - Total for B.2 - As Evaluated</b>				
<b>C.1 Total (A.1 + B.1) - As Submitted</b>				<b>2,909.95</b>
<b>C.2 Total (A.2 + B.2) - As Evaluated</b>				<b>-</b>
<b>D.1 Output per hour - As Submitted</b>				<b>48.00</b>
<b>D.2 Output per hour - As Evaluated</b>				<b>60.62</b>
<b>E.1 Direct Unit Cost (C.1 + D.1) - As Submitted</b>				<b>-</b>
<b>E.2 Direct Unit Cost (C.2 + D.2) - As Evaluated</b>				<b>-</b>
<b>Name and Specification</b>	<b>Unit</b>	<b>Quantity</b>	<b>Unit Cost</b>	<b>Amount (PHP)</b>
<b>Materials</b>				
Steel Sheet Pile FY30	kg.	48.00	66.00	3,168.00
<b>F.1</b>				
				-
				-
				-
				-
<b>Sub - Total for F.1 - As Submitted</b>				<b>3,168.00</b>
<b>Materials</b>				
<b>F.2</b>				
<b>Sub - Total for F.2 - As Evaluated</b>				
<b>G.1 Direct Unit Cost (E.1 + F.1) - As Submitted</b>				<b>3,228.62</b>
<b>G.2 Direct Unit Cost (E.2 + F.2) - As Evaluated</b>				<b>-</b>
<b>H.1 Overhead, Contingencies &amp; Miscellaneous (OCM) - As Submitted</b>			15% / 12% / 10% / 8% of G.1	<b>322.86</b>
<b>H.2 Overhead, Contingencies &amp; Miscellaneous (OCM) - As Evaluated</b>			15% / 12% / 10% / 8% of G.2	<b>-</b>
<b>I.1 Contractor's Profit (CP) - As Submitted</b>			10% / 8% of G.2	<b>256.29</b>
<b>I.2 Value Added Tax (VAT) - As Evaluated</b>			5% of (G.1 + H.1 + I.1)	<b>199.49</b>
<b>J.2 Value Added Tax (VAT) - As Evaluated</b>			5% of (G.2 + H.2 + I.2)	<b>-</b>
<b>K.1 Total Unit Cost - As Submitted</b>			(G.1 + H.1 + I.1 + J.1)	<b>4,000.27</b>
<b>K.2 Total Unit Cost - As Evaluated</b>			(G.2 + H.2 + I.2 + J.2)	<b>-</b>

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Engineer II  
DPWH RO9

### DETAILED UNIT PRICE ANALYSIS (DUPA)

1716(12)

10,848.00  
ln.m.  
10.00

Designation		No. of Persons	No. of Hours	Hourly Rate	Amount (PHP)
Labor					
Const. Foreman		1	1.00	80.95	80.95
Skilled Laborers		6	1.00	58.61	351.66
Laborers		6	1.00	45.16	270.94
A.1					
Sub - Total for A.1 - As Submitted					704.55
Labor					
A.2					
Sub - Total for A.2 - As Evaluated					
Name and Capacity		No. of Units	No. of Hours	Hourly Rate	Amount (PHP)
Equipment					
Truck Mounted Crane		1	1.00	2,606.00	2,606.00
Vibro Hammer		1	1.00	2,123.00	2,123.00
Gen. Set		1	1.00	1,296.67	1,296.67
Welding Machine		1	1.00	371.00	371.00
Cutting Outfit		1	0.50	45.45	22.73
					-
					-
					-
Sub - Total for B.1 - As Submitted					6,419.40
Equipment					
B.2					
Sub - Total for B.2 - As Evaluated					
C.1 Total (A.1 + B.1) - As Submitted					7,123.94
C.2 Total (A.2 + B.2) - As Evaluated					-
D.1 Output per hour - As Submitted					10.00
D.2 Output per hour - As Evaluated					10.00
E.1 Direct Unit Cost (C.1 + D.1) - As Submitted					712.39
E.2 Direct Unit Cost (C.2 + D.2) - As Evaluated					-
Name and Specification		Unit	Quantity	Unit Cost	Amount (PHP)
Materials					
					-
Welding Rod		kg.	0.024	100.00	2.40
Oxygen/Acetylene		l.	0.0096	3,750.00	36.00
F.1					
					-
					-
					-
					-
					-
					-
Sub - Total for F.1 - As Submitted					36.40
Materials					
F.2					
Sub - Total for F.2 - As Evaluated					750.79
G.1 Direct Unit Cost (E.1 + F.1) - As Submitted					-
G.2 Direct Unit Cost (E.2 + F.2) - As Evaluated					75.06
H.1 Overhead, Contingencies & Miscellaneous (OCM) - As Submitted					-
H.2 Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated					-
I.1 Contractor's Profit (CP) - As Submitted					60.06
I.2 Contractor's Profit (CP) - As Evaluated					-
J.1 Value Added Tax (VAT) - As Submitted					44.30
J.2 Value Added Tax (VAT) - As Evaluated					-
K.1 Total Unit Cost - As Submitted					990.23
K.2 Total Unit Cost - As Evaluated					-

Checked/Reviewed by:

JOSEPHINE B. RENGOUJO  
Engineer II  
DPMH RO9

Reviewed by: ccw/2013  
JERALD B. BARRERA  
Engineer II  
DPWH RO9



**CONST./REHAB. OF FLOOD MITIGATION FACILITIES WITHIN MAJOR RIVER BASINS AND PRINCIPAL RIVERS REHAB./IMPROVEMENT OF FLOOD CONTROL FOR PREVENTION AND MITIGATION ALONG BRGY. SAN JOSE-POB, IMELDA, PART OF SUBUEY RIVER, IMELDA, ZAMBOANGA**  
**IMELDA, ZAMBOANGA, SIBUGAY**  
**DETAILED UNIT PRICE ANALYSIS (DUPA)**

Item No. / Description : 1716(16) Steel Sheet Test Piles, Furnished and Driven

Quantity : 12.00  
Unit of Measurement : ln.m.  
Output per hour - As Submitted : 8.00  
Output per hour - As Evaluated :

Designation	No. of Persons	No. of Hours	Hourly Rate	Amount (PHP)
<b>A.1</b>				
Labor				
Const. Foreman	1	1.00	80.95	80.95
Skilled Laborers	6	1.00	58.61	351.66
Laborers	6	1.00	45.16	270.94
				0.00
				0.00
Sub - Total for A.1 - As Submitted				704.55
Labor				
<b>A.2</b>				
Sub - Total for A.2 - As Evaluated				
<b>Equipment</b>				
Truck Mounted Crane	1	1.00	2,606.00	2,606.00
Vibro Hammer	1	1.00	2,123.00	2,123.00
Gen. Set	1	1.00	1,296.67	1,296.67
Welding Machine	1	1.00	371.00	371.00
Cutting Outfit	1	0.50	45.45	22.73
				-
				-
Sub - Total for B.1 - As Submitted				6,419.40
Equipment				
<b>B.2</b>				
Sub - Total for B.2 - As Evaluated				
<b>C.1</b>				
Total (A.1 + B.1) - As Submitted				7,123.94
<b>C.2</b>				
Total (A.2 + B.2) - As Evaluated				-
<b>D.1</b>				
Output per hour - As Submitted				8.00
<b>D.2</b>				
Output per hour - As Evaluated				8.00
<b>E.1</b>				
Direct Unit Cost (C.1 + D.1) - As Submitted				890.49
<b>E.2</b>				
Direct Unit Cost (C.2 + D.2) - As Evaluated				-
<b>Materials</b>				
Coco logs	m.	0.85	520.00	442.00
Good Lumber	bd ft.	4.00	36.00	144.00
Nail/Spike	kg.	0.16	43.00	6.88
Sheet Sheet Pile	m.	1.00	4,000.27	4,000.27
Welding Rod	kg.	0.024	135.00	3.24
Oxy/acetylene	set	0.0096	3,750.00	36.00
				-
Sub - Total for F.1 - As Submitted				4,632.39
<b>F.2</b>				
Materials				
Sub - Total for F.2 - As Evaluated				
<b>G.1</b>				
Direct Unit Cost (E.1 + F.1) - As Submitted				5,522.88
<b>G.2</b>				
Direct Unit Cost (E.2 + F.2) - As Evaluated				-
<b>H.1</b>				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted			15% / 12% / 10% / 8% of G.1	552.29
<b>H.2</b>				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated			15% / 12% / 10% / 8% of G.2	-
<b>I.1</b>				
Contractor's Profit (CP) - As Submitted			10% / 8% of G.1	441.83
<b>I.2</b>				
Contractor's Profit (CP) - As Evaluated			10% / 8% of G.2	-
<b>J.1</b>				
Value Added Tax (VAT) - As Submitted			5% of (G.1 + H.1 + I.1)	325.85
<b>J.2</b>				
Value Added Tax (VAT) - As Evaluated			5% of (G.2 + H.2 + I.2)	-
<b>K.1</b>				
Total Unit Cost - As Submitted			(G.1 + H.1 + I.1 + J.1)	6,642.85
<b>K.2</b>				
Total Unit Cost - As Evaluated			(G.2 + H.2 + I.2 + J.2)	-

Prepared by:

JOSEPHINE B. RENESOLLO  
Engineer II  
DPWH RO9

Checked/Reviewed by:

JERALDO B. BARRERA  
Engineer II  
DPWH RO9



**CONST./REHAB. OF FLOOD MITIGATION FACILITIES WITHIN MAJOR RIVER BASINS AND PRINCIPAL RIVERS REHAB./IMPROVEMENT OF FLOOD CONTROL FOR PREVENTION AND MITIGATION ALONG BRGY. SAN JOSE-POB, IMELDA, PART OF SUBUEY RIVER, IMELDA, ZAMBOANGA**  
**MEILDA, ZAMBOANGA SIBUGAY**  
**DETAILED UNIT PRICE ANALYSIS (DUPA)**

Item No. / Description : 1710(2)a Grouded Riprap, Class " A"


Quantity : 1,930.00  
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)
<b>Labor</b>				
Constl. Foreman	1	1.00	80.95	80.95
Skilled Laborers	2	1.00	58.61	117.22
Laborers	8	1.00	45.16	361.25
<b>A.1</b>				
				0.00
				0.00
				0.00
<b>Sub - Total for A.1 - As Submitted</b>				<b>479.47</b>
<b>Labor</b>				
<b>A.2</b>				
<b>Sub - Total for A.2 - As Evaluated</b>				
<b>Name and Capacity</b>	<b>No. of Units</b>	<b>No. of Hours</b>	<b>Hourly Rate</b>	<b>Amount (Php)</b>
<b>Equipment</b>				
One Bagger Mixer	1	1.00	172.00	172.00
Water Truck/Pump	1	0.05	2,450.00	122.50
<b>B.1</b>				
				-
				-
				-
				-
<b>Minor Tools (5 % of Labor Cost)</b>				23.97
<b>Sub - Total for B.1 - As Submitted</b>				<b>318.47</b>
<b>Equipment</b>				
<b>B.2</b>				
<b>Sub - Total for B.2 - As Evaluated</b>				
<b>C.1 Total (A.1 + B.1) - As Submitted</b>				<b>797.94</b>
<b>C.2 Total (A.2 + B.2) - As Evaluated</b>				
<b>D.1 Output per hour - As Submitted</b>				1.25
<b>D.2 Output per hour - As Evaluated</b>				1.25
<b>E.1 Direct Unit Cost (C.1 ÷ D.1) - As Submitted</b>				638.35
<b>E.2 Direct Unit Cost (C.2 ÷ D.2) - As Evaluated</b>				-
<b>Name and Specification</b>	<b>Unit</b>	<b>Quantity</b>	<b>Unit Cost</b>	<b>Amount (Php)</b>
<b>Materials</b>				
Portland Cement	bag	3.00	286.81	860.42
Fine Aggregates	cum.	0.250	1,017.80	254.45
Gravel/Fill	cum.	0.015	1,124.80	16.87
50mm. (2") PVC Pipe	m.	0.30	106.33	31.90
Filter Cloth	sqm.	0.015	160.00	2.40
Boulders	cum.	1.05	1,048.80	1,101.24
Misc.(1% of Materials Cost)				22.67
<b>Sub - Total for F.1 - As Submitted</b>				<b>2,289.95</b>
<b>Materials</b>				
<b>F.2</b>				
<b>Sub - Total for F.2 - As Evaluated</b>				
<b>G.1 Direct Unit Cost (E.1 + F.1) - As Submitted</b>				<b>2,928.31</b>
<b>G.2 Direct Unit Cost (E.2 + F.2) - As Evaluated</b>				
<b>H.1 Overhead, Contingencies &amp; Miscellaneous (OCM) - As Submitted</b>		15% / 12% / 10% / 8% of G.1		292.83
<b>H.2 Overhead, Contingencies &amp; Miscellaneous (OCM) - As Evaluated</b>		15% / 12% / 10% / 8% of G.2		-
<b>I.1 Contractor's Profit (CP) - As Submitted</b>		10% / 8% of G.1		294.26
<b>I.2 Contractor's Profit (CP) - As Evaluated</b>		10% / 8% of G.2		-
<b>J.1 Value Added Tax (VAT) - As Submitted</b>		5% of (G.1 + H.1 + I.1)		172.77
<b>J.2 Value Added Tax (VAT) - As Evaluated</b>		5% of (G.2 + H.2 + I.2)		-
<b>K.1 Total Unit Cost - As Submitted</b>		(G.1 + H.1 + I.1 + J.1)		3,628.17
<b>K.2 Total Unit Cost - As Evaluated</b>		(G.2 + H.2 + I.2 + J.2)		-

Prepared By:

  
**JOSEPHINE B. RENCUJIMO**  
Engineer II  
DPWH RO3

Checked/Reviewed by:

  
**JERALD B. BARRERA**  
Engineer II  
DPWH RO3

## UNIT COST ANALYSIS FOR HAULING COST FOR ALL AGGREGATES

### Hauling Cost from the District Office to 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: <b>Using</b>	<b>10.00 cu.m.capacity Dumptruck</b>		
Weight of Dumptruck (cap. 10.00 cu.m.)		:	16,000.00 kgs.
Unit weight of Fine Aggregates		:	1,640.00 kg/m <sup>3</sup>
Unit weight of Coarse Aggregates		:	1,534.00 kg/m <sup>3</sup>
Maximum Volume to be Carried per DT		:	11.57 cu.m.

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

Speed when loaded	:	30.00 kph	
Speed when unloaded	:	40.00 kph	
Loaded running	=	$\frac{5.00 \times 60}{30.00}$	= 10.00 mins.
Unloaded running	=	$\frac{5.00 \times 60}{40.00}$	= 7.50 mins.
Loading and Unloading	:	5.00 mins.	
Capacity of Dumptruck	:	10.00 cu.m.	
Total Cycle time	:	22.50 mins.	
No. of trips for Dumptruck per day	=	$\frac{8 \times 60.00}{22.50}$	= 21.33 say 21.33 trips
Dumptruck daily output	=	10 x 21.33	= 213.33 cu.m.
Using ( 4 ) Dumptrucks	=	4 x 213.33	= 853.33 cu.m.
1. No. of days for Dumptrucks	=	$\frac{1,000.00}{853.33}$	= 1.17 say 1.17 days

### EQUIPMENT USED : (2009 ACEL RATES)

4	- Unit Dumptruck	@ P	11,360.00 /day	x	1.17 days = P	53,250.00
					<b>Sub - Total</b>	<b>P</b>
						<b>53,250.00</b>

Estimated Quantity	1,000.00 cum.
<b>Unit Cost</b>	<b>P 10.65 / cu. m./km. (Unit Cost, Hauling per cu.m.,per km. )</b>
Grand Total	P 53,250.00
Equipment	P 53,250.00
Labor	P
Materials	P

#### ZAMBOANGA SIBUGAY 1ST DEO

	Ave. Hauling Distance	Unit Cost per cu.m./km.	Hauling Cost per cu.m.	Unit Price	Unit Cost per cu.m.
<b>Cost of Fine Aggregates:</b>	12.00	X 10.65 =	127.80 +	890.00 =	<b>1,017.80</b>
<b>Cost of Coarse Aggregates:</b>	12.00	X 10.65 =	127.80 +	997.00 =	<b>1,124.80</b>
<b>Cost of Item 200 Materials:</b>	12.00	X 10.65 =	127.80 +	720.00 =	<b>847.80</b>
<b>Cost of Item 201 Materials:</b>	12.00	X 10.65 =	127.80 +	714.00 =	<b>841.80</b>
<b>Cost of Item 300 Materials:</b>	12.00	X 10.65 =	127.80 +	700.00 =	<b>827.80</b>
<b>Cost of Boulders:</b>	12.00	X 10.65 =	127.80 +	921.00 =	<b>1,048.80</b>
<b>Cost of Embankmen, Common Borrow:</b>	10.00	X 10.65 =	106.50 +	325.00 =	<b>431.50</b>
<b>Cost of Embankmen, Selected Borrow:</b>	20.00	X 10.65 =	213.00 +	465.00 =	<b>678.00</b>

## UNIT COST DERIVATION FOR PORTLAND CEMENT

### TOTAL QUANTITY REQUIREMENTS FOR PORTLAND CEMENT

DESCRIPTION	QUANTITY (Bags)
Portland Cement Concrete Pavement, 0.28 m. thick	67,263.00
Reinforced Concrete Culvert Pipe, 910 mm. (36") diameter	133.00
Structural Concrete, Class"A"	8,821.00
Reinf. Conc. Culvert Pipe, 910mm dia.	133.00
Grouted Riprap, Class "A"	99.00
Stone Masonry	1,661.00
Construction of Field Office for the Engineer (7.0m. X 9.0 m.)	220.00
<b>T O T A L</b>	<b>78,330.00</b>

Quantity = **78,330.00** Bags

Delivery Charge = P 0.120 / bag / km.

S I T E	HAULING DISTANCE
Zamboanga Sibugay 1ST deo	12.00
PROJECT SITE	

\*Average hauling distance from Source to assumed Stockpiling area :

say 12.00 km.

$$\begin{aligned} \text{Delivery Charge} &= P \quad 0.120 \quad \times \quad 12.00 \\ &= P \quad \mathbf{1.44} \quad / \text{ bag} \end{aligned}$$

\*Delivery Truck : 78,330.00 bags., (hauling works)  
 20,000.00 Kgs., (capacity per haul)  
 or 500.00 bags, (capacity per haul)

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

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

$$\begin{aligned} \text{Speed when loaded} &: 30.00 \text{ kph} \\ \text{Speed when unloaded} &: 40.00 \text{ kph} \\ \text{Loaded running} &= \frac{12.00 \times 60}{30.00} = 24.00 \text{ mins.} \end{aligned}$$



$$\text{Unloaded running} = \frac{12.00 \times 60}{40.00} = 18.00 \text{ mins.}$$

Loading and Unloading : 45.00 mins.

Capacity of Dumptruck : 8.00 cum.

: 500.00 bags

Total Cycle time : 87.00 mins.

$$\text{No. of trips for Dumptruck per day} = \frac{8.0 \times 60.00}{87.00} = 5.52 \text{ say } 5.52 \text{ trip}$$

$$\text{Dumptruck daily output} = 500 \times 5.52 = 2,758.62 \text{ cum.}$$

$$\text{Using ( 4 ) Dumptrucks} = 4 \times 2,758.62 = 11,034.48 \text{ cum.}$$

$$1. \text{ No. of days for Delivery Truck} = \frac{78,330.00}{11,034.48} = 7.10 \text{ say } 7.10 \text{ days}$$

$$2. \text{ No. of days for Labor, for unloading} = \text{complimentary to D. Truck days} = 7.10 \text{ days}$$

#### DELIVERY COST :

78,330.00	- Bags, Portland Cement	@ P	1.44	/ bag	= P	112,795.20
<b>Sub - Total</b>						<b>P 112,795.20</b>

#### LABOR :

1	- Foreman	@ P	611.92 /day	X	7.10 days	= P	4,343.81
10	- Laborers, unloading	@ P	342.24 /day	X	7.10 days	= P	24,294.44
<b>Sub - Total</b>						<b>P</b>	<b>28,638.25</b>

#### MATERIALS :

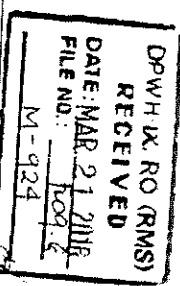
78,330.00	- Bags, Portland Cement	@ P	285.00	/ bag	= P	22,324,050.00
(Pick-Up Price)						
<b>Sub - Total</b>						<b>P 22,324,050.00</b>

Estimated Quantity	78,330.00 Bags
Unit Cost	P 286.81 / Bag, say P 286.81 / Bag
Grand Total	P. 22,465,483.45
Delivery Cost	P 112,795.20



**CENTUSO Structural Specialists**  
303 Lee Business Corner, Juan Luna St., Davao City, Philippines  
Fax: +6382-2210577 Phone: +6382-2275215  
Email: info@centuso.com.ph

**FORMAL QUOTATION**



**RD JORGE U. SEBASTIAN JR.**  
Regional Director - DPWH Region 9 Office  
Telvan, Zamboanga City

CC:

DPWH Design and Planning Division  
DPWH Region 9 Office  
Telvan, Zamboanga City

Subject : Steel Sheet Pile Quotation

Steel M Jorge

on proposed to offer you my best price below items, subject to our standard terms and conditions of sale, as follows:

Description	Unit Price	Price per kg	Qty	Total Amount	REMARKS
400mm x 100mm x 10.5mm x 48 kg/m x 12meters SECTION MODULUS: 874 CM <sup>3</sup> /M Steel Grade: SY 295	Php 38,016.00	Php 66.00	1000 pcs	Php 38,016,000.00	READILY AVAILABLE
400mm x 125mm x 13mm x 60 kg/m x 12meters SECTION MODULUS: 1340 CM <sup>3</sup> /M Steel Grade: SY 295	Php 47,520.00	Php 66.00	1000 pcs	Php 47,520,000.00	READILY AVAILABLE
400mm x 355mm x 7mm x 53.4 kg/m x 12meters SECTION MODULUS: 947 CM <sup>3</sup> /M Steel Grade: Q235 B	Php 48,060.00	Php 75.00	667 pcs	Php 32,056,020.00	READILY AVAILABLE
600mm x 310mm x 9.5mm x 68.1 kg/m x 12meters SECTION MODULUS: 1240 CM <sup>3</sup> /M Steel Grade: Q235 B	Php 70,279.20	Php 75.00	667 pcs	Php 46,876,226.40	READILY AVAILABLE

**PRODUCT SPECS AND STEEL GRADE:**

- STEEL GRADES AVAILABLE: SY 295 / Q235B / S 355
- MILL CERTIFICATE INCLUDED

**TERMS AND CONDITIONS FOR SHEET PILE:**

Price above is Delivered ZAMBOANGA CITY PORT  
Payment Terms - 50% DOWNPAYMENT 50% BALANCE BEFORE DELIVERY  
Lead time is 14-21 days from date of confirmed order and SUBJECT TO AVAILABILITY OF VESSEL  
All orders must be supported with a formal Purchase Order  
Offer is valid within 15 days from date above  
All other terms and conditions to be mutually agreed prior to confirmation of order.

Thank you and we look forward to receiving your valued order soon.

VERY TRULY YOURS,

JAY LANCE KERWIN L. CINCO  
Sales Manager



109.6/m-924  
09.226557



**Davao Golden Hardware, Inc.**

Goldcrest Building, Km. 3, MacArthur Highway, Matina, 8000 Davao City  
Phone: (+63 82) 298-5849/ 298-5850/ 298-0878  
Fax: (+63 82) 297-7700 Email: davgold168@yahoo.com

March 20, 2018

## SALES QUOTATION

RD JORGE U. SEBASTIAN JR.  
Regional Director - DPWH Region 9 Office  
Tetuan, Zamboanga City

CC: DPWH Design and Planning Division  
DPWH Region 9 Office  
Tetuan, Zamboanga City

Subject : Steel Sheet Pile Quotation

Dear RD Jorge,

Please see our offer for steel sheet piles:

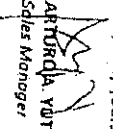
Description	Unit Price
STEEL SHEET PILES 400mm x 100mm x 10.5mm x 48 kg/m x 12meters SECTION MODULUS: 874 CM <sup>3</sup> /M	Php 38,432.00
STEEL SHEET PILES 400mm x 125mm x 13mm x 60 kg/m x 12meters SECTION MODULUS: 1340 CM <sup>3</sup> /M	Php 47,860.00
STEEL SHEET PILES 600mm x 355mm x 7mm x 53.4 kg/m x 12meters SECTION MODULUS: 947 CM <sup>3</sup> /M	Php 48,164.40
STEEL SHEET PILES 600mm x 310mm x 9.5mm x 68.1 kg/m x 12meters SECTION MODULUS: 1240 CM <sup>3</sup> /M	Php 70,280.20

### TERMS AND CONDITION:

- Vat inclusive and Cash before delivery
- Delivered Zamboanga City Port
- Subject to change without prior notice
- Subject to availability
- Price validity 7 days

Thank you.

Very truly yours,

  
ARTORICA YUTIG, JR.  
Sales Manager