



CONSTRUCTION/MAINTENANCE OF FLOOD MITIGATION STRUCTURES AND DRAINAGE SYSTEMS- CONSTRUCTION/EXTENSION OF FLOOD CONTROL STRUCTURE (REVTMENT) ALONG DAPITAN RIVER, TUTUA-POLO SECTION , ZAMBOANGA DEL NORTE

ZAMBOANGA DEL NORTE

APPROVED BUDGET FOR THE CONTRACT

Contract Duration : 453

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	1,254,201.99		102,175.59	67,818.88	169,994.47	1,424,196.46	
PART B	OTHER GENERAL REQUIREMENTS	AS EVALUATED							
		AS SUBMITTED	533,607.90		26,579.14	28,009.35	54,588.49	588,196.39	
PART C	EARTHWORK	AS EVALUATED							
		AS SUBMITTED	1,182,033.65		212,766.06	69,739.99	282,506.04	1,464,539.69	
PART D	SUBBASE AND BASE COURSE	AS EVALUATED							
		AS SUBMITTED	759,345.65		136,682.22	44,801.39	181,483.61	940,829.26	
PART J	FLOOD CONTROL AND DRAINAGE	AS EVALUATED							
		AS SUBMITTED	6,202,099.21		1,116,377.86	365,923.85	1,482,301.71	7,684,400.92	
PART F	BRIDGE CONSTRUCTION	AS EVALUATED							
		AS SUBMITTED	15,316,954.66		2,757,051.84	903,700.32	3,660,752.16	18,977,706.82	
PART G	DRAINAGE AND SLOPE PROTECTION	AS EVALUATED							
		AS SUBMITTED	29,850,613.84		5,373,110.49	1,761,186.22	7,134,296.71	36,984,910.55	
PART I	MATERIALS DETAILS	AS EVALUATED							
		AS SUBMITTED	361,323.32		65,038.20	21,318.08	86,356.27	447,679.60	
PART I-B	BANK AND SLOPE PROTECTION	AS EVALUATED							
		AS SUBMITTED	37,284,705.42		6,711,246.98	2,199,797.62	8,911,044.60	46,195,750.02	
	TOTAL	AS EVALUATED							
		AS SUBMITTED	92,744,885.64		16,501,028.37	5,462,295.70	21,963,324.07	114,708,209.71	

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

Approval:

Recommending Approval:


 KHADAFFEY D. TANGGOL
 OIC-Assistant Regional Director
 DPWH RO9

Approved:


 CAYAMOMBAO D. DIA
 Regional Director
 DPWH RO9



DPWH REGIONAL OFFICE IX

CONSTRUCTION/MAINTENANCE OF FLOOD MITIGATION STRUCTURES AND DRAINAGE SYSTEMS- CONSTRUCTION/EXTENSION OF FLOOD CONTROL STRUCTURE (REVTMENT) ALONG DAPITAN RIVER, TUTUA-POLO SECTION , ZAMBOANGA DEL NORTE

ZAMBOANGA DEL NORTE

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										
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.	475,828.85	18%	85,649.19	28,073.90	113,723.09	589,551.94	589,551.94
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.	571,793.14	0%	-	28,589.66	28,589.66	600,382.80	600,382.80
	TOTAL OF PART A	AS EVALUATED									
		AS SUBMITTED			1,254,201.99		102,175.59	67,818.88	169,994.47	1,424,196.46	
PART B	OTHER GENERAL REQUIREMENTS										
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	0.52	km.	14,966.63	18%	2,693.99	883.03	3,577.02	18,543.65	35,456.31
B.7	Occupational Safety and Health Program	AS EVALUATED									
		AS SUBMITTED	1.00	L. S.	265,760.50	8%	21,260.84	14,351.07	35,611.91	301,372.41	301,372.41
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
	TOTAL OF PART B	AS EVALUATED									
		AS SUBMITTED			533,607.90		26,579.14	28,009.35	54,588.49	588,196.39	
PART C	EARTHWORK										
104(2)a	Embankment from Borrow	AS EVALUATED									
		AS SUBMITTED	1,621.00	cu.m.	1,182,033.65	18%	212,766.06	69,739.99	282,506.04	1,464,539.69	903.48
	TOTAL OF PART C	AS EVALUATED									
		AS SUBMITTED			1,182,033.65		212,766.06	69,739.99	282,506.04	1,464,539.69	

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 E. TORREFRANCA

OIC-Chief, Planning & Design Division

DPWH RO9

PART D	SUBBASE AND BASE COURSE										
200(1)	Aggregate Subbas Course	AS EVALUATED									
		AS SUBMITTED	722.00	cu.m.	759,345.65	18%	136,682.22	44,801.39	181,483.61	940,829.26	1,303.09
	TOTAL OF PART C	AS EVALUATED									
		AS SUBMITTED			759,345.65		136,682.22	44,801.39	181,483.61	940,829.26	
PART J	FLOOD CONTROL AND DRAINAGE										
1702(1)	Structure Excavation	AS EVALUATED									
		AS SUBMITTED	2,460.00	cu.m.	565,381.09	18%	101,768.60	33,357.48	135,126.08	700,507.17	284.76
1704(1)a	Embankment	AS EVALUATED									
		AS SUBMITTED	7,730.00	cu.m.	5,636,718.13	18%	1,014,609.26	332,566.37	1,347,175.63	6,983,893.76	903.48
	TOTAL OF PART C	AS EVALUATED									
		AS SUBMITTED			6,202,099.21		1,116,377.86	365,923.85	1,482,301.71	7,684,400.92	
PART F	BRIDGE CONSTRUCTION										
404(1)a	Reinforcing Steel, (Grade 40)	AS EVALUATED									
		AS SUBMITTED	43,992.00	kg.	2,402,674.40	18%	432,481.39	141,757.79	574,239.18	2,976,913.59	67.67
404(1)b	Reinforcing Steel Bar, (Grade 60)	AS EVALUATED									
		AS SUBMITTED	7,428.00	kg.	390,090.09	18%	70,216.22	23,015.32	93,231.53	483,321.62	65.07
405(1)a3	Structural Concrete, Class"A"	AS EVALUATED									
		AS SUBMITTED	1,794.00	cu.m.	12,524,190.17	18%	2,254,354.23	738,927.22	2,993,281.45	15,517,471.62	8,649.65
	TOTAL OF PART F	AS EVALUATED									
		AS SUBMITTED			15,316,954.66		2,757,051.84	903,700.32	3,660,752.16	18,977,706.82	
PART G	DRAINAGE AND SLOPE PROTECTION STRUCTURES										
508(1)	Handlaid Rock Embankment	AS EVALUATED									
		AS SUBMITTED	21,094.00	cu.m.	29,850,613.84	18%	5,373,110.49	1,761,186.22	7,134,296.71	36,984,910.55	1,753.34
	TOTAL OF PART G	AS EVALUATED									
		AS SUBMITTED			29,850,613.84		5,373,110.49	1,761,186.22	7,134,296.71	36,984,910.55	
PART I	MATERIALS DETAILS										
715(2)	Separation Geotextile	AS EVALUATED									
		AS SUBMITTED	1,954.00	sq.m.	361,323.32	18%	65,038.20	21,318.08	86,356.27	447,679.60	229.11
	TOTAL OF PART I	AS EVALUATED									
		AS SUBMITTED			361,323.32		65,038.20	21,318.08	86,356.27	447,679.60	

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

QC-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	7,848.00	ln.m.	25,338,242.12	18%	4,560,883.58	1,494,956.29	6,055,839.87	31,394,081.99	4,000.27
1716(12)	Structural Steel Sheet Piles, Driven	AS EVALUATED									
		AS SUBMITTED	7,848.00	ln.m.	5,898,826.58	18%	1,061,788.78	348,030.77	1,409,819.55	7,308,646.13	931.27
1716(16)	Steel Sheet Test Piles, Furnished and Driven	AS EVALUATED									
		AS SUBMITTED	12.00	ln.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	1,954.00	cu. m.	5,981,362.18	18%	1,076,645.19	352,900.37	1,429,545.56	7,410,907.75	3,792.69
	TOTAL OF PART I-B	AS EVALUATED									
		AS SUBMITTED			37,284,705.42		6,711,246.98	2,199,797.62	8,911,044.60	46,195,750.02	
	GRAND TOTAL	AS EVALUATED									
		AS SUBMITTED			92,744,885.64		16,501,028.37	5,462,295.70	21,963,324.07	114,708,209.71	

Preparation and Submission:

Prepared by:

JOSEPHINE B. RENGQUIJO

Engineer I
DPWH RO9

Checked/Submitted by:

ISIDRA A. ESTANISLAO

Engineer IV - Chairman Estimating Committee
DPWH RO9

Evaluation:

Reviewed as to Unit Cost

SATURNINO C. TORREFRANCA

Chief, Planning & Design Division
DPWH RO9



CON/MAINTENANCE OF FLOOD MITIGATION STRUCTURES AND DRAINAGE SYSTEMS- CONSTRUCTION/EXTENSION OF FLOOD CONTROL STRUCTURE (REVETMENT) ALONG DAPITAN RIVER, TUTUA-POLO SECTION , ZAMBOANGA DEL NORTE
ZAMBOANGA DEL NORTE

			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	0.513	1.00		315,326.12	109,329.75	51,172.98	475,828.85	18%	85,649.19	28,073.90	589,551.94
A.1.1(11)	Provision of Furnitures/Fixtures,Equipment and Appliances for theField Office for the Engineers	AS EVALUATED			L. S.								
		AS SUBMITTED	0.223	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	0.617	1.00		359,390.50	212,402.64	-	571,793.14	0%	-	28,589.66	600,382.80
	TOTAL OF PART A	AS EVALUATED											
		AS SUBMITTED	1.352			881,296.62	321,732.39	51,172.98	1,254,201.99		102,175.59	67,818.88	1,424,196.46
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	0.016	0.52		3,170.24	10,384.28	1,412.10	14,966.63	18%	2,693.99	883.03	18,543.65
B.7	Occupational Safety and Health Program	AS EVALUATED			L. S.								
		AS SUBMITTED	0.287	1.00		49,000.00	216,760.50	-	265,760.50	8%	21,260.84	14,351.07	301,372.41
B.9	Mobilization & Demobilization	AS EVALUATED			L. S.								
		AS SUBMITTED	0.257	1.00		-	-	238,301.28	238,301.28	0%	-	11,915.06	250,216.34
	TOTAL OF PART B	AS EVALUATED											
		AS SUBMITTED	0.575			65,830.24	228,064.27	239,713.38	533,607.90		26,579.14	28,009.35	588,196.39
PART C	EARTHWORK												
104(2)a	Embankment from Borrow	AS EVALUATED			cu.m.								
		AS SUBMITTED	4.665	1,621.00		1,026,295.63	5,584.79	150,153.23	1,182,033.65	18%	212,766.06	69,739.99	1,464,539.69
	TOTAL OF PART C	AS EVALUATED											
		AS SUBMITTED	4.665			1,026,295.63	5,584.79	150,153.23	1,182,033.65		212,766.06	69,739.99	1,464,539.69
PART D	SUBBASE AND BASE COURSE												
200(1)	Aggregate Subbas Course	AS EVALUATED			cu.m.								
		AS SUBMITTED	2.997	722.00		689,979.30	2,487.49	66,878.86	759,345.65	18%	136,682.22	44,801.39	940,829.26
	TOTAL OF PART D	AS EVALUATED											
		AS SUBMITTED	2.997			689,979.30	2,487.49	66,878.86	759,345.65		136,682.22	44,801.39	940,829.26
PART J	FLOOD CONTROL AND DRAINAGE												
1702(1)	Structure Excavation	AS EVALUATED			cu.m.								
		AS SUBMITTED	2.231	2,460.00		-	26,742.66	538,638.43	565,381.09	18%	101,768.60	33,357.48	700,507.17
1704(1)a	Embankment	AS EVALUATED			cu.m.								
		AS SUBMITTED	22.246	7,730.00		4,894,056.25	26,631.98	716,029.90	5,636,718.13	18%	1,014,609.26	332,566.37	6,983,893.76
	TOTAL OF PART J	AS EVALUATED											
		AS SUBMITTED	24.477			4,894,056.25	53,374.64	1,254,668.33	6,202,099.21		1,116,377.86	365,923.85	7,684,400.92
PART F	BRIDGE CONSTRUCTION												
404(1)a	Reinforcing Steel, (Grade 40)	AS EVALUATED			kg.								
		AS SUBMITTED	2.591	43,992.00		2,141,442.58	117,182.47	144,049.36	2,402,674.40	18%	432,481.39	141,757.79	2,976,913.59
404(1)b	Reinforcing Steel Bar, (Grade 60)	AS EVALUATED			kg.								
		AS SUBMITTED	0.421	7,428.00		345,981.38	19,786.13	24,322.57	390,090.09	18%	70,216.22	23,015.32	483,321.62
405(1)a3	Structural Concrete, Class"A"	AS EVALUATED			cu.m.								
		AS SUBMITTED	13.504	1,794.00		10,026,652.65	1,746,130.63	751,406.89	12,524,190.17	18%	2,254,354.23	738,927.22	15,517,471.62
	TOTAL OF PART F	AS EVALUATED											
		AS SUBMITTED	16.515			12,514,076.61	1,883,099.23	919,778.82	15,316,954.66		2,757,051.84	903,700.32	18,977,706.82

PART G		DRAINAGE AND SLOPE PROTECTION STRUCTURES												
500(1)b3	Reinf. Conc. Culvert Pipe, 910mm dia.	AS EVALUATED												
		AS SUBMITTED	-	-		-	-	-	-	18%	-	-	-	
508(1)	Handlaid Rock Embankment	AS EVALUATED			cu.m.									
		AS SUBMITTED	32.186	21,094.00		26,290,506.90	3,236,460.86	323,646.09	29,850,613.84	18%	5,373,110.49	1,761,186.22	36,984,910.55	
	TOTAL OF PART G	AS EVALUATED												
		AS SUBMITTED	32.186		26,290,506.90	3,236,460.86	323,646.09	29,850,613.84		5,373,110.49	1,761,186.22	36,984,910.55		
PART I		MATERIALS DETAILS												
715(2)	Separation Geotextile	AS EVALUATED			sq.m.									
		AS SUBMITTED	0.390	1,954.00		328,272.00	9,368.84	23,682.48	361,323.32	18%	65,038.20	21,318.08	447,679.60	
	TOTAL OF PART I	AS EVALUATED												
		AS SUBMITTED	0.390		328,272.00	9,368.84	23,682.48	361,323.32		65,038.20	21,318.08	447,679.60		
PART I-B		BANK AND SLOPE PROTECTION												
1716(6)	Structural Steel Sheet Piles, Furnished (0.40wide)	AS EVALUATED			ln.m.									
		AS SUBMITTED	27.320	7,848.00		24,862,464.00	47,330.59	428,447.53	25,338,242.12	18%	4,560,883.58	1,494,956.29	31,394,081.99	
1716(12)	Structural Steel Sheet Piles, Driven	AS EVALUATED			ln.m.									
		AS SUBMITTED	6.360	7,848.00		307,955.52	552,929.86	5,037,941.20	5,898,826.58	18%	1,061,788.78	348,030.77	7,308,646.13	
1716(16)	Steel Sheet Test Piles, Furnished and Driven	AS EVALUATED			ln.m.									
		AS SUBMITTED	0.071	12.00		55,588.62	1,056.82	9,629.09	66,274.54	18%	11,929.42	3,910.20	82,114.15	
1710(2)a	Grouted Riprap, Class "A"	AS EVALUATED			cu. m.									
		AS SUBMITTED	6.449	1,954.00		4,734,016.91	749,507.50	497,837.78	5,981,362.18	18%	1,076,645.19	352,900.37	7,410,907.75	
	TOTAL OF PART I-B	AS EVALUATED												
		AS SUBMITTED	40.201		29,960,025.05	1,350,824.78	5,973,855.59	37,284,705.42		6,711,246.98	2,199,797.62	46,195,750.02		
	GRAND TOTAL	AS EVALUATED												
		AS SUBMITTED	115.307		76,650,338.59	7,090,997.29	9,003,549.75	92,744,885.64		16,501,028.37	5,462,295.70	114,708,209.71		

CONSTRUCTION/MAINTENANCE OF FLOOD MITIGATION STRUCTURES AND DRAINAGE SYSTEMS- CONSTRUCTION/EXTENSION OF FLOOD CONTROL STRUCTURE (REVTMENT) ALONG DAPITAN RIVER, TUTUA-POLO SECTION , ZAMBOANGA
DEL NORTE



ZAMBOANGA DEL NORTE

		ITEMIZED BREAKDOWN									
ITEM NO.	DESCRIPTION	QTY		UNIT	DIRECT COST				TOTAL UNIT COST		% DIRECT COST
		AS SUBMITTED	AS EVALUATED		TOTAL		UNIT COST		(DIRECT+INDIRECT)		
					AS SUBMITTED	AS EVALUATED	AS SUBMITTED	AS EVALUATED	AS SUBMITTED	AS EVALUATED	AS SUBMITTED
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.	475,828.85		475,828.85		589,551.94		0.513
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		0.223
A. 1.2	Operation and Maintenance of Gov't Service Vehicle	1.00		L.S.	571,793.14		571,793.14		660,421.08		0.617
	TOTAL OF PART A				1,254,201.99						1.352
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	0.523		km.	14,966.63		28,616.88		35,456.31		0.016
B.7	Occupational Safety and Health Program	1.00		L. S.	265,760.50		265,760.50		329,277.26		0.287
B.9	Mobilization & Demobilization	1.00		L. S.	238,301.28		238,301.28		295,255.29		0.257
	TOTAL OF PART B				533,607.90						0.575
PART C	EARTHWORK										
104(2)a	Embankment from Borrow	1,621.00		cu.m.	1,182,033.65		729.20		903.48		1.275
	TOTAL OF PART C				1,182,033.65						1.275
PART D	SUBBASE AND BASE COURSE										
200(1)	Aggregate Subbas Course	722.00		cu.m.	759,345.65		1,051.73		1,303.09		0.819
	TOTAL OF PART D				759,345.65						0.819

PART J	FLOOD CONTROL AND DRAINAGE										
1702(1)	Structure Excavation	2,460.00		cu.m.	565,381.09		229.83		284.76		0.610
1704(1)a	Embankment	7,730.00		cu.m.	5,636,718.13		729.20		903.48		6.078
	TOTAL OF PART C				6,202,099.21						6.687
PART F	BRIDGE CONSTRUCTION										
404(1)a	Reinforcing Steel, (Grade 40)	43,992.00		kg.	2,402,674.40		54.62		67.67		2.591
404(1)b	Reinforcing Steel Bar, (Grade 60)	7,428.00		kg.	390,090.09		52.52		65.07		0.421
405(1)a3	Structural Concrete, Class"A"	1,794.00		cu.m.	12,524,190.17		6,981.15		8,649.65		13.504
	TOTAL OF PART F				15,316,954.66						16.515
PART G	DRAINAGE AND SLOPE PROTECTION STRUCTURES										
508(1)	Handlaid Rock Embankment	21,094.00		cu.m.	29,850,613.84		1,415.12		1,753.34		32.186
	TOTAL OF PART G				29,850,613.84						32.186
PART I	MATERIALS DETAILS										
715(2)	Separation Geotextile	1,954.00		sq.m.	361,323.32		184.91		229.11		0.390
					361,323.32						0.390

PART I-B	BANK AND SLOPE PROTECTION									
1716(6)	Structural Steel Sheet Piles, Furnished (0.40wide)	7,848.00		ln.m.	25,338,242.12		3,228.62		4,000.27	27.320
1716(12)	Structural Steel Sheet Piles, Driven	7,848.00		ln.m.	5,898,826.58		751.63		931.27	6.360
1716(16)	Steel Sheet Test Piles, Furnished and Driven	12.00		ln.m.	66,274.54		5,522.88		6,842.85	0.071
1710(2)a	Grouted Riprap, Class "A"	1,954.00		cu. m.	5,981,362.18		3,061.09		3,792.69	6.449
	TOTAL OF PART H				37,284,705.42					40.201
	GRAND TOTAL				92,744,885.64					100.000



CON/MAINTENANCE OF FLOOD MITIGATION STRUCTURES AND DRAINAGE SYSTEMS- CONSTRUCTION/EXTENSION OF FLOOD CONTROL STRUCTURE (REVETMENT) ALONG DAPITAN RIVER, TUTUA-POLO SECTION , ZAMBOANGA DEL NOR
ZAMBOANGA DEL NORTE

			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	0.513	1.00		315,326.12	109,329.75	51,172.98	475,828.85	18%	85,649.19	28,073.90	589,551.94	
A.1.1(11)	Provision of Furnitures/Fixtures,Equipment and Appliances for theField Office for the Engineers	AS EVALUATED			L. S.									
		AS SUBMITTED	0.223	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	0.617	1.00		359,390.50	212,402.64	-	571,793.14	0%	-	28,589.66	600,382.80	
	TOTAL OF PART A		AS EVALUATED											
			AS SUBMITTED	1.352			881,296.62	321,732.39	51,172.98	1,254,201.99		102,175.59	67,818.88	1,424,196.46
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	0.016	0.52		3,170.24	10,384.28	1,412.10	14,966.63	18%	2,693.99	883.03	18,543.65	
B.7	Occupational Safety and Health Program	AS EVALUATED			L. S.									
		AS SUBMITTED	0.287	1.00		49,000.00	216,760.50	-	265,760.50	8%	21,260.84	14,351.07	301,372.41	
B.9	Mobilization & Demobilization	AS EVALUATED			L. S.									
		AS SUBMITTED	0.257	1.00		-	-	238,301.28	238,301.28	0%	-	11,915.06	250,216.34	
	TOTAL OF PART B		AS EVALUATED											
			AS SUBMITTED	0.575			65,830.24	228,064.27	239,713.38	533,607.90		26,579.14	28,009.35	588,196.39
PART C	EARTHWORK													
104(2)a	Embankment from Borrow	AS EVALUATED			cu.m.									
		AS SUBMITTED	4.665	1,621.00		1,026,295.63	5,584.79	150,153.23	1,182,033.65	18%	212,766.06	69,739.99	1,464,539.69	
	TOTAL OF PART C		AS EVALUATED											
			AS SUBMITTED	4.665			1,026,295.63	5,584.79	150,153.23	1,182,033.65		212,766.06	69,739.99	1,464,539.69
PART D	SUBBASE AND BASE COURSE													
200(1)	Aggregate Subbas Course	AS EVALUATED			cu.m.									
		AS SUBMITTED	2.997	722.00		689,979.30	2,487.49	66,878.86	759,345.65	18%	136,682.22	44,801.39	940,829.26	
	TOTAL OF PART D		AS EVALUATED											
			AS SUBMITTED	2.997			689,979.30	2,487.49	66,878.86	759,345.65		136,682.22	44,801.39	940,829.26
PART J	FLOOD CONTROL AND DRAINAGE													
1702(1)	Structure Excavation	AS EVALUATED			cu.m.									
		AS SUBMITTED	2.231	2,460.00		-	26,742.66	538,638.43	565,381.09	18%	101,768.60	33,357.48	700,507.17	
1704(1)a	Embankment	AS EVALUATED			cu.m.									
		AS SUBMITTED	22.246	7,730.00		4,894,056.25	26,631.98	716,029.90	5,636,718.13	18%	1,014,609.26	332,566.37	6,983,893.76	
	TOTAL OF PART J		AS EVALUATED											
			AS SUBMITTED	24.477			4,894,056.25	53,374.64	1,254,668.33	6,202,099.21		1,116,377.86	365,923.85	7,684,400.92
PART F	BRIDGE CONSTRUCTION													
404(1)a	Reinforcing Steel, (Grade 40)	AS EVALUATED			kg.									
		AS SUBMITTED	2.591	43,992.00		2,141,442.58	117,182.47	144,049.36	2,402,674.40	18%	432,481.39	141,757.79	2,976,913.59	
404(1)b	Reinforcing Steel Bar, (Grade 60)	AS EVALUATED			kg.									
		AS SUBMITTED	0.421	7,428.00		345,981.38	19,786.13	24,322.57	390,090.09	18%	70,216.22	23,015.32	483,321.62	
405(1)a3	Structural Concrete, Class"A"	AS EVALUATED			cu.m.									
		AS SUBMITTED	13.504	1,794.00		10,026,652.65	1,746,130.63	751,406.89	12,524,190.17	18%	2,254,354.23	738,927.22	15,517,471.62	
	TOTAL OF PART F		AS EVALUATED											
			AS SUBMITTED	16.515			12,514,076.61	1,883,099.23	919,778.82	15,316,954.66		2,757,051.84	903,700.32	18,977,706.82

PART G		DRAINAGE AND SLOPE PROTECTION STRUCTURES											
500(1)b3	Reinf. Conc. Culvert Pipe, 910mm dia.	AS EVALUATED											
		AS SUBMITTED	-	-		-	-	-	-	18%	-	-	-
508(1)	Handlaid Rock Embankment	AS EVALUATED											
		AS SUBMITTED	32.186	21,094.00	cu.m.	26,290,506.90	3,236,460.86	323,646.09	29,850,613.84	18%	5,373,110.49	1,761,186.22	36,984,910.55
	TOTAL OF PART G	AS EVALUATED											
		AS SUBMITTED	32.186			26,290,506.90	3,236,460.86	323,646.09	29,850,613.84		5,373,110.49	1,761,186.22	36,984,910.55
PART I		MATERIALS DETAILS											
715(2)	Separation Geotextile	AS EVALUATED											
		AS SUBMITTED	0.390	1,954.00	sq.m.	328,272.00	9,368.84	23,682.48	361,323.32	18%	65,038.20	21,318.08	447,679.60
	TOTAL OF PART I	AS EVALUATED											
		AS SUBMITTED	0.390			328,272.00	9,368.84	23,682.48	361,323.32		65,038.20	21,318.08	447,679.60
PART I-B		BANK AND SLOPE PROTECTION											
1716(6)	Structural Steel Sheet Piles, Furnished (0.40wide)	AS EVALUATED											
		AS SUBMITTED	27.320	7,848.00	ln.m.	24,862,464.00	47,330.59	428,447.53	25,338,242.12	18%	4,560,883.58	1,494,956.29	31,394,081.99
1716(12)	Structural Steel Sheet Piles, Driven	AS EVALUATED											
		AS SUBMITTED	6.360	7,848.00	ln.m.	307,955.52	552,929.86	5,037,941.20	5,896,826.58	18%	1,061,788.78	348,030.77	7,308,646.13
1716(16)	Steel Sheet Test Piles, Furnished and Driven	AS EVALUATED											
		AS SUBMITTED	0.071	12.00	ln.m.	55,588.62	1,056.82	9,629.09	66,274.54	18%	11,929.42	3,910.20	82,114.15
1710(2)a	Grouted Riprap, Class "A"	AS EVALUATED											
		AS SUBMITTED	6.449	1,954.00	cu. m.	4,734,016.91	749,507.50	497,837.78	5,981,362.18	18%	1,076,545.19	352,900.37	7,410,907.75
	TOTAL OF PART I-B	AS EVALUATED											
		AS SUBMITTED	40.201			29,960,025.05	1,350,824.78	5,973,855.59	37,284,705.42		6,711,246.98	2,199,797.62	46,195,750.02
	GRAND TOTAL	AS EVALUATED											
		AS SUBMITTED	115.307			76,650,338.59	7,090,997.29	9,003,549.75	92,744,885.64		16,501,028.37	5,462,295.70	114,708,209.71



MINIMUM EQUIPMENT REQUIREMENT			
No.	Equipment Description	Capacity	Number of Equipment
1	Truck Mounted Crane		1
2	Vibro Hammer		1
3	Gen. Set.		1
4	Plate Compactor (400-500 GASOLINE ENGINE)		1
5	One Bagger Mixer	4-6ft ³ /min	2
6	Dump Truck (All Models)	12 yd ³	2
7	Cargo/Service Truck (All Models)	9 - 10 mt	1
8	Boom Truck (All Models)	2-5 mt	1
9	Water Truck/pump (All Makes)	16000 L	1
10	Water Pump, 100 mm suction dia.	50 (mm)	1
11	Welding Machine (Gas /Diesel Driven)		1
12	Concrete Vibrator		2
13	Concrete Saw		2
14	Bar Cutter		1
15	Bar Bender		1
16	Cutting Outfit		1
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
	SUB-TOTAL		20

No.	Equipment Description	Capacity	Number of Equipment
31			
32			
33			
34			
35			
36			
37			
38			
39			
40			
41			
42			
43			
44			
45			
46			
47			
48			
49			
50			
51			
52			
53			
54			
55			
56			
57			
58			
59			
60			
	SUB-TOTAL		
TOTAL			20

**CONSTRUCTION/MAINTENANCE OF FLOOD MITIGATION STRUCTURES AND DRAINAGE SYSTEMS- CONSTRUCTION/EXTENSION OF FLOOD
CONTROL STRUCTURE (REVEMENT) ALONG DAPITAN RIVER, TUTUA-POLO SECTION, ZAMBOANGA DEL NORTE
ZAMBOANGA DEL NORTE
DETAILED UNIT PRICE ANALYSIS (DUPA)**

Item No. / Description : A.1.(13) Construction of Field Office for the Engineer (7.200 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	56,285.60
Laborers	8	120.00	45.16	43,350.00
Sub - Total for A.1 - As Submitted				109,349.75
Labor				
A.2				
Sub - Total for A.2 - As Evaluated				
Name and Capacity	No. of Units	No. of Hours	Hourly Rate	Amount (Php)
B.1				
Equipment				
One Bagger Mixer	1	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
Sub - Total for B.1 - As Submitted				51,172.98
Equipment				
B.2				
Sub - Total for B.2 - As Evaluated				
C.1				160,502.73
Total (A.1 + B.1) - As Submitted				
C.2				
Total (A.2 + B.2) - As Evaluated				
D.1				1.00
Output per hour - As Submitted				
D.2				
Output per hour - As Evaluated				
E.1				160,502.73
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)
Materials				
Portland Cement	bag	220.00	287.88	63,334.32
Crushed Gravel	cum.	15.00	913.80	13,695.00
Washed Sand	cum.	25.00	963.00	24,075.00
Reinforcing Steel Bars, Grade 60	kg.	800.00	43.00	34,400.00
Tie Wire	kg.	35.00	68.00	2,380.00
Lumber	bd ft.	250.00	15.00	3,750.00
Assorted CW Nails	kg.	20.00	88.00	1,760.00
CHB6" thick	pc.	700.00	25.00	17,500.00
Reinforcing Steel Bars, Grade 40	kg.	150.00	41.00	6,150.00
D-1. Hallow Core Flural Type swing door complete w/ accessories	set	1.00	1,495.20	1,495.20
Angle Bars	kg.	640.00	52.00	33,280.00
Purlins, C-150mm x 50 x 3mm	kg.	35.00	52.00	1,820.00
16mm dia. Cross Bracing	kg.	65.00	50.80	3,295.00
16mm dia. Turn Buckle	kg.	30.00	230.00	6,900.00
12mm thk. Base Plate	kg.	45.00	50.00	2,250.00
10mm thk. Batten plate	kg.	30.00	50.00	1,500.00
16mm dia. Sag Rod	kg.	15.00	50.00	750.00
20mm dia. X 350 mm Anchor Bolts	pc.	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 Sh. 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	ln.m.	2.00	189.00	378.00
Telescrew 1-1/2"	ln.m.	1,000.00	1.25	1,250.00
Roof Sealant	pc.	2.00	230.00	460.00
Rough lumber, Sun dried Tangleje	bd ft.	450.00	37.00	16,650.00
Fishing 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
8.00mm2 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

15mm dia. PVC Clamp	pc.	50.00	8.00	400.00
20mm dia. RSC pipe	pc.	4.00	240.00	960.00
20mm dia. RCS Coupling	pc.	3.00	36.00	108.00
20 mm dia. RSC Elbow	pc.	3.00	30.00	90.00
20 mm dia. RSCClamp	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				315,326.12
Materials				
F.2				
Sub - Total for F.2 - As Evaluated				
G.1 Direct Unit Cost (E.1 + F.1) - As Submitted				475,828.85
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		47,582.88
H.2 Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated		15% / 12% / 10% / 8% of G.2		-
I.1 Contractor's Profit (CP) - As Submitted		10% / 8% of G.1		38,066.31
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)		28,073.90
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)		589,551.94
K.2 Total Unit Cost - As Evaluated		(G.2 + H.2 + I.2 + J.2)		-

Prepared by:

JOSEPHINE B. RENGUILLO
Engineer II
DPWH ROC8

Checked/Reviewed by:

GERALD B. BARREIRA
Engineer II
DPWH ROC8

CONSTRUCTION/MAINTENANCE OF FLOOD MITIGATION STRUCTURES AND DRAINAGE SYSTEMS-CONSTRUCTION/EXTENSION OF FLOOD CONTROL STRUCTURE (REVEIMENT) ALONG DAPTAN RIVER, TUTUA-POLO SECTION, ZAMBOANGA DEL NORTE

DETAILED UNIT PRICE ANALYSIS (DUPA)

Item No. / Description : A.1.(11) Provision of Furnitures/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				1
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)
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Materials

White Board, 3' x 6'	each	1.00	2,000.00	2,000.00
8-seater Monoblock Dining Table	unit	1.00	5,000.00	5,000.00
Monoblock 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 only)	ream	20.00	350.00	7,000.00
Bond Paper(short)	ream	15.00	300.00	4,500.00
Paid 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(1pk, pencil)	box	2.00	120.00	240.00
Staple Wire	box	6.00	150.00	900.00
Cutter 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
Penral pen(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 Pin, 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

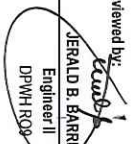
F.1

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	banks	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
Bedsheets(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				206,560.00
Materials				
F.2				
Sub - Total for F.2 - As Evaluated				
G.1	Direct Unit Cost (E.1 + F.1) - As Submitted			206,560.00
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)		-

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CONSTRUCTION/MAINTENANCE OF FLOOD MITIGATION STRUCTURES AND DRAINAGE SYSTEMS- CONSTRUCTION/EXTENSION OF FLOOD
CONTROL STRUCTURE (REVETMENT) ALONG DAPITAN RIVER, TUTUA-POLO SECTION , ZAMBOANGA DEL NORTE
ZAMBOANGA DEL NORTE
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)
A.1				
Labor				0.00
Service Driver	1	3,624.00	58.61	212,402.64
				0.00
Sub - Total for A.1 - As Submitted				212,402.64
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				
Service Vehicle	1	-		-
				-
Sub - Total for B.1 - As Submitted				-
Equipment				
B.2				
Sub - Total for B.2 - As Evaluated				
C.1				212,402.64
Total (A.1 + B.1) - As Submitted				-
C.2				1.00
Output per hour - As Submitted				1.00
D.2				
Output per hour - As Evaluated				
E.1				212,402.64
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)
Materials				
F.1				
Diesel Fuel	liters	4,530.00	51.00	231,030.00
Engine Oil & Lubricants	L.S.	1.00	34,654.50	34,654.50
Tires	pcs.	5.00	9,500.00	47,500.00
Spare Parts	L.S.	1.00	46,206.00	46,206.00
Sub - Total for F.1 - As Submitted				359,390.50
Materials				
F.2				
Sub - Total for F.2 - As Evaluated				
G.1				571,793.14
Direct Unit Cost (E.1 + F.1) - As Submitted				-
G.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				57,179.31
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
H.2				
Contractor's Profit (CP) - As Submitted				-
I.1				
Contractor's Profit (CP) - As Evaluated				-
J.1				31,448.62
Value Added Tax (VAT) - As Submitted				-
J.2				
Value Added Tax (VAT) - As Evaluated				660,421.08
K.1				
Total Unit Cost - As Submitted				-
K.2				
Total Unit Cost - As Evaluated				-

Prepared by:

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DPWH RO9

Checked/Reviewed by:

JEFALDO B. BARBERA

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**CONSTRUCTION/MAINTENANCE OF FLOOD MITIGATION STRUCTURES AND DRAINAGE SYSTEMS- CONSTRUCTION/EXTENSION OF FLOOD
CONTROL STRUCTURE (REVIETMENT) ALONG DAPIAN RIVER, TUTUA-POLO SECTION, ZAMBOANGA DEL NORTE
ZAMBOANGA DEL NORTE
DETAILED UNIT PRICE ANALYSIS (DUPA)**

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

Quantity : 0.52
Unit of Measurement : km.
Output per hour - As Submitted : 1.00
Output per hour - As Evaluated :

Designation	No. of Persons	No. of Hours	Hourly Rate	Amount (Php)
Labor				
For Fieldworks:				0.00
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
A.1				
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
Sub - Total for A.1 - As Submitted				19,855.23
Labor				
A.2				
Sub - Total for A.2 - As Evaluated				
Name and Capacity	No. of Units	No. of Hours	Hourly Rate	Amount (Php)
Equipment				
B.1 Total Station Complete w/ accessories	1	27.00	100.00	2,700.00
Sub - Total for B.1 - As Submitted				2,700.00
Equipment				
B.2				
Sub - Total for B.2 - As Evaluated				
C.1 Total (A.1 + B.1) - As Submitted				22,555.23
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				22,555.23
E.2 Direct Unit Cost (C.2 + D.2) - As Evaluated				-
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php)
Materials				
F.1 Standard Stake Plan (800 mm x 910 mm plotting) blue print as stake plan miscellaneous(5% of Materials)	sheets pcs.	23.00 115.00	51.00 40.00	1,173.00 4,600.00 288.65
Sub - Total for F.1 - As Submitted				6,061.65
Materials				
F.2				
Sub - Total for F.2 - As Evaluated				
G.1 Direct Unit Cost (E.1 + F.1) - As Submitted				28,616.88
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		2,861.69
H.2 Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated		15% / 12% / 10% / 8% of G.2		-
I.1 Contractor's Profit (CP) - As Submitted		10% / 8% of G.1		2,289.35
I.2 Contractor's Profit (CP) - As Evaluated		10% / 8% of G.2		-
J.1 Value Added Tax (VAT) - As Submitted		5% of (G.1 + H.1 + I.1)		1,688.40
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)		35,455.31
K.2 Total Unit Cost - As Evaluated		(G.2 + H.2 + I.2 + J.2)		-

Prepared by:

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**CONSTRUCTION/MAINTENANCE OF FLOOD MITIGATION STRUCTURES AND DRAINAGE SYSTEMS- CONSTRUCTION/EXTENSION OF FLOOD CONTROL STRUCTURE (REVENMENT) ALONG DAPIRAN RIVER, TUTUA-POLO SECTION, ZAMBOANGA DEL NORTE
ZAMBOANGA DEL NORTE
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)
Labor				
				0.00
A.1				
Constl. 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				
A.2				
Sub - Total for A.2 - As Evaluated				
Equipment				
B.1				
				-
				-
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				229.87
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				229.87
E.2				
Direct Unit Cost (C.2 + D.2) - As Evaluated				-
Materials				
F.1				
Marine Plywood (3/16" thk., 4' x 8')	pc.	1.00	435.00	435.00
Tarapulin (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				
F.2				
Sub - Total for F.2 - As Evaluated				
G.1				
Direct Unit Cost (E.1 + F.1) - As Submitted				3,644.87
G.2				
Direct Unit Cost (E.2 + F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				364.49
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1				
Contractor's Profit (CP) - As Submitted				291.59
I.2				
Contractor's Profit (CP) - As Evaluated				-
J.1				
Value Added Tax (VAT) - As Submitted				215.05
J.2				
Value Added Tax (VAT) - As Evaluated				-
K.1				
Total Unit Cost - As Submitted				4,516.00
K.2				
Total Unit Cost - As Evaluated				-

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DPWH RO9

Checked/Reviewed by: JERALD B. BARBERA

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**CONSTRUCTION/MAINTENANCE OF FLOOD MITIGATION STRUCTURES AND DRAINAGE SYSTEMS- CONSTRUCTION/EXTENSION OF FLOOD CONTROL STRUCTURE (REVENEMENT) ALONG DAPIAN RIVER, TUTUA-POLO SECTION, ZAMBOANGA DEL NORTE
ZAMBOANGA DEL NORTE
DETAILED UNIT PRICE ANALYSIS (DUPA)**

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

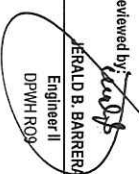
Quantity : 1.00
Unit of Measurement : ls.
Output per hour - As Submitted : 1.00
Output per hour - As Evaluated :

Designation	No. of Persons	No. of Hours	Hourly Rate	Amount (Php)
A.1				
Labor				0.00
Safety Precipitoner	1	906.00	58.61	53,100.66
First Aider	1	3,624.00	45.16	163,659.84
				0.00
				0.00
Sub - Total for A.1 - As Submitted				216,760.50
Labor				
A.2				
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				-
Equipment				
B.2				
Sub - Total for B.2 - As Evaluated				
C.1				
Total (A.1 + B.1) - As Submitted				216,760.50
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				216,760.50
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.	30.00	500.00	15,000.00
Working Gloves (Maong Materials)	pc	30.00	50.00	1,500.00
Rain Coats (Reinforced Hip)	bd.ft.	30.00	300.00	9,000.00
First Aide Kit (Complete medicines & tools)	set	1.00	2,500.00	2,500.00
Band-aids/Signboards	pcs.	15.00	1,400.00	21,000.00
				-
Sub - Total for F.1 - As Submitted				49,000.00
Materials				
F.2				
Sub - Total for F.2 - As Evaluated				
G.1				
Direct Unit Cost (E.1 + F.1) - As Submitted				265,760.50
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		26,576.05
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		21,260.84
I.2				
Contractor's Profit (CP) - As Evaluated		10% / 8% of G.2		-
J.1				
Value Added Tax (VAT) - As Submitted		5% of (G.1 + H.1 + I.1)		15,679.87
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)		329,277.26
K.2				
Total Unit Cost - As Evaluated		(G.2 + H.2 + I.2 + J.2)		-

Prepared by:


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**CONSTRUCTION/MAINTENANCE OF FLOOD MITIGATION STRUCTURES AND DRAINAGE SYSTEMS- CONSTRUCTION/EXTENSION OF FLOOD
CONTROL STRUCTURE (REVIEWMENT) ALONG DAPTAN RIVER, TUTUA-POLO SECTION, ZAMBOANGA DEL NORTE
ZAMBOANGA DEL NORTE
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				0.00
Labor				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				-
Equipment				238,301.28
B.2				
Sub - Total for B.2 - As Evaluated				
C.1				238,301.28
Total (A.1 + B.1) - As Submitted				-
C.2				1.00
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				238,301.28
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)
Materials				-
F.1				-
Sub - Total for F.1 - As Submitted				-
Materials				-
F.2				
Sub - Total for F.2 - As Evaluated				238,301.28
G.1				
Direct Unit Cost (E.1 + F.1) - As Submitted				-
G.2				23,830.13
Direct Unit Cost (E.2 + F.2) - As Evaluated				-
H.1			15% / 12% / 10% / 8% of G.1	19,064.10
H.2			15% / 12% / 10% / 8% of G.2	-
I.1			10% / 8% of G.1	-
I.2			10% / 8% of G.2	14,059.28
J.1			5% of (G.1 + H.1 + I.1)	-
J.2			5% of (G.2 + H.2 + I.2)	295,255.29
K.1			(G.1 + H.1 + I.1 + J.1)	
K.2			(G.2 + H.2 + I.2 + J.2)	
Total Unit Cost - As Evaluated				-

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CONSTRUCTION/MAINTENANCE OF FLOOD MITIGATION STRUCTURES AND DRAINAGE SYSTEMS- CONSTRUCTION/EXTENSION OF FLOOD
CONTROL STRUCTURE (REVEMENT) ALONG DAPIRAN RIVER, TUTUA-POLO SECTION, ZAMBOANGA DEL NORTE
ZAMBOANGA DEL NORTE
DETAILED UNIT PRICE ANALYSIS (DUPA)

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

Quantity : 1,621.00
Unit of Measurement : cum.
Output per hour - As Submitted : 50.00
Output per hour - As Evaluated :

Designation	No. of Persons	No. of Hours	Hourly Rate	Amount (Php)
Labor				
Excavation Work:				
Const. Foreman	1	1.00	80.95	80.95
Laborers	2	1.00	45.16	90.31
				0.00
				0.00
				0.00
Sub - Total for A.1 - As Submitted				172.26
Labor				
A.2				
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
Water Truck	1	0.25	2,450.00	612.50
				-
				-
				-
Sub - Total for B.1 - As Submitted				4,631.50
Equipment				
B.2				
Sub - Total for B.2 - As Evaluated				
C.1 Total (A.1 + B.1) - As Submitted				4,803.76
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				
Common Borrow(w/25% shrinkage factor)	cum.	1.25	506.50	633.13
				-
				-
				-
				-
Sub - Total for F.1 - As Submitted				633.13
Materials				
F.2				
Sub - Total for F.2 - As Evaluated				
G.1 Direct Unit Cost (E.1 + F.1) - As Submitted				729.20
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	72.92
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	58.34
I.2 Contractor's Profit (CP) - As Evaluated			10% / 8% of G.2	-
J.1 Value Added Tax (VAT) - As Submitted			5% of (G.1 + H.1 + I.1)	43.92
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)	903.48
K.2 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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**CONSTRUCTION/MAINTENANCE OF FLOOD MITIGATION STRUCTURES AND DRAINAGE SYSTEMS- CONSTRUCTION/EXTENSION OF FLOOD
CONTROL STRUCTURE (REVEMENT) ALONG DAPTARAN RIVER, TUTUA-POLO SECTION, ZAMBOANGA DEL NORTE
ZAMBOANGA DEL NORTE
DETAILED UNIT PRICE ANALYSIS (DUPA)**

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

Quantity : 722.00
Unit of Measurement : cum.
Output per hour - As Submitted : 50.00
Output per hour - As Evaluated :

Designation	No. of Persons	No. of Hours	Hourly Rate	Amount (PHP)
Labor				
Contl. 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				172.26
Labor				
A.2				
Sub - Total for A.2 - As Evaluated				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
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				
Aggregate Subbase Course	cum.	1.15	831.00	955.65
(w/ 15% shrinkage)				1
				-
F.1				
				-
				-
				-
				-
Sub - Total for F.1 - As Submitted				955.65
Materials				
F.2				
Sub - Total for F.2 - As Evaluated				
G.1				
Direct Unit Cost (E.1 + F.1) - As Submitted				1,051.73
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	105.17
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	84.14
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.1 + I.1)	62.05
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)	1,303.09
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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Engineer II
DPWH RO9

DETAILED UNIT PRICE ANALYSIS (DUPA)

Structure Excavation

:	2,460.00
:	cu.m.
:	20.00
:	
:	

	Designation	No. of Persons	No. of Hours	Hourly Rate	Amount (PHP)
A1	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				
A2	Sub - Total for A.2 - As Evaluated				
B1	Name and Capacity	No. of Units	No. of Hours	Hourly Rate	Amount (PHP)
	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
					-
B2	Sub - Total for B.1 - As Submitted				4,379.17
	Equipment				
	Sub - Total for B.2 - As Evaluated				
	C1 Total (A.1 + B.1) - As Submitted				4,596.59
	C2 Total (A.2 + B.2) - As Evaluated				-
	D1 Output per hour - As Submitted				20.00
E1	D2 Output per hour - As Evaluated				20.00
	E1 Direct Unit Cost (C.1 + D.1) - As Submitted				229.83
	E2 Direct Unit Cost (C.2 + D.2) - As Evaluated				-
	Name and Specification	Unit	Quantity	Unit Cost	Amount (PHP)
	Materials				
F1					
F2	Sub - Total for F.1 - As Submitted				-
	Materials				
G1	Sub - Total for F.2 - As Evaluated				
	G1 Direct Unit Cost (E.1 + F.1) - As Submitted				229.83
	G2 Direct Unit Cost (E.2 + F.2) - As Evaluated				-
	H1 Overhead, Contingencies & Miscellaneous (OCH) - As Submitted				22.99
	H2 Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
	I1 Contractor's Profit (CP) - As Submitted				18.39
J1	I2 Contractor's Profit (CP) - As Evaluated				-
	J1 Value Added Tax (VAT) - As Submitted				13.56
	J2 Value Added Tax (VAT) - As Evaluated				-
	K1 Total Unit Cost - As Submitted				284.76
	K2 Total Unit Cost - As Evaluated				-
					(G.2 + H.2 + I.2 + J.2)

Checked/Reviewed by:

Engineer II
DPMHRO9

Engineer II
DPWH ROS

**CONSTRUCTION/MAINTENANCE OF FLOOD MITIGATION STRUCTURES AND DRAINAGE SYSTEMS- CONSTRUCTION/EXTENSION OF FLOOD
CONTROL STRUCTURE (REVETMENT) ALONG DAPITAN RIVER, TUTUA-POLO SECTION , ZAMBOANGA DEL NORTE
DETAILED UNIT PRICE ANALYSIS (DUPA)**

Item No. / Description : 1704(1)a Embankment

Quantity : 7,730.00
Unit of Measurement : cu.m.
Output per hour - As Submitted : 50.00
Output per hour - As Evaluated :

Designation	No. of Persons	No. of Hours	Hourly Rate	Amount (Php)
A.1				
Labor				
Constl. Foreman	1	1.00	80.95	80.95
Laborets	2	1.00	45.16	90.31
Sub - Total for A.1 - As Submitted				172.26
Labor				
A.2				
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
Water Truck	1	0.25	2,450.00	612.50
Sub - Total for B.1 - As Submitted				4,631.50
Equipment				
B.2				
Sub - Total for B.2 - As Evaluated				
C.1				4,803.76
Total (A.1 + B.1) - As Submitted				
C.2				
Total (A.2 + B.2) - As Evaluated				
D.1				50.00
Output per hour - As Submitted				
D.2				50.00
Output per hour - As Evaluated				
E.1				96.08
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)
Materials				
Embankment materials(w/ 25% shrinkage factor)	cu.m.	1.25	506.50	633.13
F.1				
Sub - Total for F.1 - As Submitted				633.13
Materials				
F.2				
Sub - Total for F.2 - As Evaluated				
G.1				729.20
Direct Unit Cost (E.1 + F.1) - As Submitted				
G.2				
Direct Unit Cost (E.2 + F.2) - As Evaluated				
H.1			15% / 12% / 10% / 8% of G.1	
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				72.92
H.2			15% / 12% / 10% / 8% of G.2	
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				
I.1			10% / 8% of G.1	58.34
Contractor's Profit (CP) - As Submitted			10% / 8% of G.2	
I.2			5% of (G.1 + H.1 + I.1)	
Contractor's Profit (CP) - As Evaluated			5% of (G.2 + H.2 + I.2)	43.02
J.1			5% of (G.1 + H.1 + I.1 + J.1)	
Value Added Tax (VAT) - As Submitted				
J.2			5% of (G.2 + H.2 + I.2)	
Value Added Tax (VAT) - As Evaluated				903.48
K.1			(G.1 + H.1 + I.1 + J.1)	
Total Unit Cost - As Submitted			(G.2 + H.2 + I.2 + J.2)	
K.2				-
Total Unit Cost - As Evaluated				

Prepared by: 

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DPWH-RO9

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DETAILED UNIT PRICE ANALYSIS (DUPA)

404(1)a

43,992.00
kg.
180.00

	Designation	No. of Persons	No. of Hours	Hourly Rate	Amount (Php)
A.1	Labor				
	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
Sub - Total for A.1 - As Submitted					559.40
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				
	Bar Cutter	1	1.00	219.75	219.75
	Bar Bender	1	1.00	351.50	351.50
B.2	Cargo Truck	1	0.15	121.00	18.15
Sub - Total for B.1 - As Submitted					589.40
B.2	Equipment				
Sub - Total for B.2 - As Evaluated					
C.1	Total (A.1 + B.1) - As Submitted				1,058.87
	G.2 Total (A.2 + B.2) - As Evaluated				-
	D.1 Output per hour - As Submitted				180.00
	D.2 Output per hour - As Evaluated				180.00
E.1	Direct Unit Cost (G.1 + D.1) - As Submitted				5.94
	Direct Unit Cost (G.2 + D.2) - As Evaluated				-
F.1	Name and Specification	Unit	Quantity	Unit Cost	Amount (Php)
	Materials				
	Tie Wire	kg.	0.021	68.00	1.43
	Reinforcing Steel Bar, Grade 40	kg.	1.05	45.00	47.25
F.1					-
					-
					-
					-
F.1					-
					-
					-
					-
F.1					-
					-
					-
					-
Sub - Total for F.1 - As Submitted					48.68
F.2	Materials				
Sub - Total for F.2 - As Evaluated					
G.1	Direct Unit Cost (E.1 + F.1) - As Submitted				54.62
	Direct Unit Cost (E.2 + F.2) - As Evaluated				-
	H.1 Overhead, Contingencies & Miscellaneous (OCM) - As Submitted		15% 12% 10% 8% of G.1		5.46
	H.2 Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated		15% 12% 10% 8% of G.2		4.37
I.1	Contractor's Profit (CP) - As Submitted		10% 8% of G.1		-
	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)		3.22
	J.2 Value Added Tax (VAT) - As Evaluated		5% of (G.2 + H.2 + J.2)		67.67
K.1	Total Unit Cost - As Submitted		(G.1 + H.1 + I.1 + J.1)		67.67
	Total Unit Cost - As Evaluated		(G.2 + H.2 + I.2 + J.2)		-

Checked/Reviewed by

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DPMH R09

Engineer II
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CONSTRUCTION/MAINTENANCE OF FLOOD MITIGATION STRUCTURES AND DRAINAGE SYSTEMS- CONSTRUCTION/EXTENSION OF FLOOD
CONTROL STRUCTURE (REVETMENT) ALONG DAPITAN RIVER, TUTUA-POLO SECTION, ZAMBOANGA DEL NORTE
ZAMBOANGA DEL NORTE
DETAILED UNIT PRICE ANALYSIS (DUPA)

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

Quantity : 7,428.00
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)
Labor				
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
Labor				
A.2				
Sub - Total for A.2 - As Evaluated				
Equipment				
Bar Cutter	1	1.00	219.75	219.75
Bar Bender	1	1.00	351.50	351.50
Cargo Truck	1	0.15	121.00	18.15
B.1				
Sub - Total for B.1 - As Submitted				589.40
Equipment				
B.2				
Sub - Total for B.2 - As Evaluated				
C.1 Total (A.1 + B.1) - As Submitted				1,068.87
C.2 Total (A.2 + B.2) - As Evaluated				-
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				-
Materials				
Tie Wire	kg.	0.021	68.00	1.43
Reinforcing Steel Bar Grade 60	kg.	1.05	43.00	45.15
F.1				
Sub - Total for F.1 - As Submitted				46.58
Materials				
F.2				
Sub - Total for F.2 - As Evaluated				
G.1 Direct Unit Cost (E.1 + F.1) - As Submitted				52.52
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	5.25
H.2 Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated			15% / 12% / 10% / 8% of G.2	-
I.1 Contractor's Profit (CP) - As Submitted			10% / 8% of G.1	4.20
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)	3.10
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)	65.07
K.2 Total Unit Cost - As Evaluated			(G.2 + H.2 + I.2 + J.2)	-

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**CONSTRUCTION/MAINTENANCE OF FLOOD MITIGATION STRUCTURES AND DRAINAGE SYSTEMS- CONSTRUCTION/EXTENSION OF FLOOD
CONTROL STRUCTURE (REVEMENT) ALONG DARTARAN RIVER, TUTUA-POLO SECTION , ZAMBOANGA DEL NORTE
ZAMBOANGA DEL NORTE
DETAILED UNIT PRICE ANALYSIS (DUPA)**

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

Quantity : 1,794.00
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)
Labor				
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
A1				
Installation/Removal of Formworks				
Skilled Laborers	4	1.00	58.61	234.44
Laborers	8	1.00	45.16	361.25
For Provision of Asphalt Sealant @ every grove				
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				1,362.64
Labor				
A.2				
Sub - Total for A.2 - As Evaluated				
Name and Capacity	No. of Units	No. of Hours	Hourly Rate	Amount (PHP)
Equipment				
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
For Provision of Asphalt Sealant @ every grove				
Asphalt Keel/Drum	1	1.00	10.00	10.00
Minor Tools (5% of Labor Cost)				68.13
Sub - Total for B.1 - As Submitted				586.38
Equipment				
B.2				
Sub - Total for B.2 - As Evaluated				
G.1				1,949.03
Total (A.1 + B.1) - As Submitted				
G.2				
Total (A.2 + B.2) - As Evaluated				
D.1				1.40
Output per hour - As Submitted				
D.2				1.40
Output per hour - As Evaluated				
E.1				1,392.16
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)
Materials				
Lumber	kg.	17.50	42.00	735.00
Marine Plywood	L.	0.40	853.00	341.20
Assorted GWN	L.	0.70	58.00	40.60
Portland Cement	bag	9.50	287.88	2,734.89
Fine Aggregates	cum.	0.50	963.00	481.50
Coarse Aggregates	cum.	1.00	913.00	913.00
Blown Asphalt (Vol.=1.00 cum.)	kg	1,250	274.18	342.80
Sub - Total for F.1 - As Submitted				5,588.99
Materials				
F.2				
Sub - Total for F.2 - As Evaluated				
G.1				6,981.15
Direct Unit Cost (E.1 + F.1) - As Submitted				
G.2				
Direct Unit Cost (E.2 + F.2) - As Evaluated				
H.1			15% / 12% / 10% / 8% of G.1	698.12
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				
H.2			15% / 12% / 10% / 8% of G.2	-
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				
I.1			10% / 8% of G.1	558.49
Contractor's Profit (CP) - As Submitted				
I.2			10% / 8% of G.2	-
Value Added Tax (VAT) - As Evaluated			5% of (G.1 + H.1 + I.1)	411.89
J.1			5% of (G.2 + H.2 + I.2)	-
Value Added Tax (VAT) - As Submitted			5% of (G.1 + H.1 + I.1 + J.1)	8,649.65
J.2				
Total Unit Cost - As Submitted				-
K.1				
Total Unit Cost - As Evaluated				

Prepared by:

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CONSTRUCTION/MAINTENANCE OF FLOOD MITIGATION STRUCTURES AND DRAINAGE SYSTEMS- CONSTRUCTION/EXTENSION OF FLOOD CONTROL STRUCTURE (REVEMENT) ALONG DAPITAN RIVER, TUTUA-POLO SECTION , ZAMBOANGA DEL NORTE
DETAILED UNIT PRICE ANALYSIS (DUPA)

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

Quantity : 21,094.00
Unit of Measurement : cum.
Output per hour - As Submitted : 3.125
Output per hour - As Evaluated :

Designation	No. of Persons	No. of Hours	Hourly Rate	Amount (PHP)
Labor				
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
A.1				
				0.00
				0.00
Sub - Total for A.1 - As Submitted				479.47
Labor				
A.2				
Sub - Total for A.2 - As Evaluated				
Equipment				
Name and Capacity	No. of Units	No. of Hours	Hourly Rate	Amount (PHP)
B.1				
				-
				-
				-
				-
				-
				-
Minor Tools (10 % of Labor Cost)				47.95
Sub - Total for B.1 - As Submitted				47.95
Equipment				
B.2				
Sub - Total for B.2 - As Evaluated				
C.1 Total (A.1 + B.1) - As Submitted				527.42
C.2 Total (A.2 + B.2) - As Evaluated				-
D.1 Output per hour - As Submitted				3.13
D.2 Output per hour - As Evaluated				
E.1 Direct Unit Cost (C.1 + D.1) - As Submitted				168.77
E.2 Direct Unit Cost (C.2 + D.2) - As Evaluated				-
Name and Specification	Unit	Quantity	Unit Cost	Amount (PHP)
Materials				
				-
Boulders	cum.	1.05	1,187.00	1,246.35
F.1				
				-
				-
				-
Sub - Total for F.1 - As Submitted				1,246.35
Materials				
F.2				
Sub - Total for F.2 - As Evaluated				
G.1 Direct Unit Cost (E.1 + F.1) - As Submitted				1,415.12
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		141.51
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		113.21
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)		83.49
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)		1,753.34
K.2 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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DPWH RO9

CONSTRUCTION/MAINTENANCE OF FLOOD MITIGATION STRUCTURES AND DRAINAGE SYSTEMS- CONSTRUCTION/EXTENSION OF FLOOD
ZAMBOANGA DEL NORTE
DETAILED UNIT PRICE ANALYSIS (DUPA)

Item No./Description : 715(2) Separation Geotextile

Quantity : 1,954.00
Unit of Measurement : sq.m.
Output per hour - As Submitted : 100.00
Output per hour - As Evaluated :

Designation	No. of Persons	No. of Hours	Hourly Rate	Amount (PHP)
Labor				
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
A.1				
				0.00
				0.00
Sub - Total for A.1 - As Submitted				479.47
Labor				
				0.00
A.2				
Sub - Total for A.2 - As Evaluated				
Name and Capacity	No. of Units	No. of Hours	Hourly Rate	Amount (PHP)
Equipment				
Cargo Truck/Delivery truck	1	1.00	1,212.00	1,212.00
				-
				-
				-
				-
B.1				
				-
				-
				-
Sub - Total for B.1 - As Submitted				1,212.00
Equipment				
B.2				
Sub - Total for B.2 - As Evaluated				
C.1 Total (A.1 + B.1) - As Submitted				1,691.47
C.2 Total (A.2 + B.2) - As Evaluated				-
D.1 Output per hour - As Submitted				100.00
D.2 Output per hour - As Evaluated				100.00
E.1 Direct Unit Cost (C.1 ÷ D.1) - As Submitted				16.91
E.2 Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				-
Name and Specification	Unit	Quantity	Unit Cost	Amount (PHP)
Materials				
F.1 Filler Cloth	sq.m.	1.05	168.00	168.00
				-
Sub - Total for F.1 - As Submitted				168.00
Materials				
F.2				
Sub - Total for F.2 - As Evaluated				
G.1 Direct Unit Cost (E.1 + F.1) - As Submitted				184.97
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		18.49
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		14.79
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)		10.91
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)		229.17
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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JERARD B. BARREJA

Engineer II

**CONSTRUCTION/MAINTENANCE OF FLOOD MITIGATION STRUCTURES AND DRAINAGE SYSTEMS- CONSTRUCTION/EXTENSION OF FLOOD
CONTROL STRUCTURE (REVEITEMENT) ALONG DAPIRAN RIVER, TUTUA-POLO SECTION , ZAMBOANGA DEL NORTE**

DETAILED UNIT PRICE ANALYSIS (DUPA)

Item No. / Description : 1716(12) Structural Steel Sheet Piles, Driven

Quantity : 7,848.00
Unit of Measurement : ltr.m.
Output per hour - As Submitted : 10.00
Output per hour - As Evaluated :

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				
				0.00
				0.00
Sub - Total for A.1 - As Submitted				704.55
Labor				
A.2				
Sub - Total for A.2 - As Evaluated				
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	135.00	3.24
Oxygen/Acetylene	L	0.0096	3,750.00	36.00
F.1				-
				-
				-
				-
Sub - Total for F.1 - As Submitted				39.24
Materials				
F.2				
Sub - Total for F.2 - As Evaluated				
G.1 Direct Unit Cost (E.1 + F.1) - As Submitted				751.63
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		75.16
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		60.13
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)		44.35
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)		931.27
K.2 Total Unit Cost - As Evaluated		(G.2 + H.2 + I.2 + J.2)		-

Prepared by:

JOSEPHINE B. RENGILLO
Engineer II
DPWH RO9

Checked/Reviewed by:

JEFKALD B. BARRERA
Engineer II
DPWH RO8

**CONSTRUCTION/MAINTENANCE OF FLOOD MITIGATION STRUCTURES AND DRAINAGE SYSTEMS- CONSTRUCTION/EXTENSION OF FLOOD
CONTROL STRUCTURE (REVETMENT) ALONG DAPITAN RIVER, TUTUA-POLO SECTION , ZAMBOANGA DEL NORTE**

ZAMBOANGA DEL NORTE

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)
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				
				0.00
				0.00
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				8.00
D.2 Output per hour - As Evaluated				8.00
E.1 Direct Unit Cost (C.1 + D.1) - As Submitted				890.49
E.2 Direct Unit Cost (C.2 + D.2) - As Evaluated				-
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php)
Materials				
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/aceylene	set	0.0096	3,750.00	36.00
				-
Sub - Total for F.1 - As Submitted				4,632.39
Materials				
F.2				
Sub - Total for F.2 - As Evaluated				
G.1 Direct Unit Cost (E.1 + F.1) - As Submitted				5,522.88
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		552.29
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		441.83
L2 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)		325.85
J.2 Value Added Tax (VAT) - As Evaluated		5% of (G.2 + H.2 + J.2)		-
K.1 Total Unit Cost - As Submitted		(G.1 + H.1 + I.1 + J.1)		6,842.85
K.2 Total Unit Cost - As Evaluated		(G.2 + H.2 + I.2 + J.2)		-

Prepared by:

JOSEPHINE B. RENGOLIO
Engineer II
DPWH RO8

Checked/Reviewed by:

JERARD B. BARREIRA
Engineer II
DPWH RO9

CONSTRUCTION/MAINTENANCE OF FLOOD MITIGATION STRUCTURES AND DRAINAGE SYSTEMS- CONSTRUCTION/EXTENSION OF FLOOD
CONTROL STRUCTURE (REVIEWMENT) ALONG DAPITAN RIVER, TUTUA-POLO SECTION , ZAMBOANGA DEL NORTE
ZAMBOANGA DEL NORTE
DETAILED UNIT PRICE ANALYSIS (DUPA)

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

Quantity : 1,954.00
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)
Labor				
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
A.1				
				0.00
				0.00
Sub - Total for A.1 - As Submitted				479.47
Labor				
A.2				
Sub - Total for A.2 - As Evaluated				
Name and Capacity	No. of Units	No. of Hours	Hourly Rate	Amount (PHP)
Equipment				
One Bagger Mixer	1	1.00	172.00	172.00
Water Truck/Pump	1	0.05	2,450.00	122.50
B.1				
				-
				-
				-
				-
Minor Tools (5 % of Labor Cost)				23.97
Sub - Total for B.1 - As Submitted				318.47
Equipment				
B.2				
Sub - Total for B.2 - As Evaluated				
C.1 Total (A.1 + B.1) - As Submitted				797.94
C.2 Total (A.2 + B.2) - As Evaluated				-
D.1 Output per hour - As Submitted				1.25
D.2 Output per hour - As Evaluated				1.25
E.1 Direct Unit Cost (C.1 + D.1) - As Submitted				638.35
E.2 Direct Unit Cost (C.2 + D.2) - As Evaluated				-
Name and Specification	Unit	Quantity	Unit Cost	Amount (PHP)
Materials				
Portland Cement	bag	3.00	287.88	863.65
Fine Aggregates	cum.	0.250	963.00	240.75
Gravel Fill	cum.	0.015	913.00	13.70
50mm (2") PVC Pipe	m.	0.30	106.33	31.90
Filter Cloth	sq.m.	0.015	160.00	2.40
Boulders	cum.	1.05	1,187.00	1,246.35
Misc. (1% of Materials Cost)				23.99
Sub - Total for F.1 - As Submitted				2,422.73
Materials				
F.2				
Sub - Total for F.2 - As Evaluated				
G.1 Direct Unit Cost (E.1 + F.1) - As Submitted				3,061.09
G.2 Direct Unit Cost (E.2 + F.2) - As Evaluated				-
H.1 Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				306.11
H.2 Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1 Contractor's Profit (CP) - As Submitted				244.89
I.2 Contractor's Profit (CP) - As Evaluated				-
J.1 Value Added Tax (VAT) - As Submitted				160.60
J.2 Value Added Tax (VAT) - As Evaluated				-
K.1 Total Unit Cost - As Submitted				3,792.69
K.2 Total Unit Cost - As Evaluated				-

Prepared by:

JOSEPHINE B. REMIGUIJO
Engineer II
DPWH RO9

Checked/Reviewed by:

JERALD B. BARBERA
Engineer II
DPWH RO9

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: 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/m ³
Unit weight of Coarse Aggregates	: 1,534.00 kg/m ³
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	$= \frac{5.00}{30.00} \times 60 = 10.00$ mins.
Unloaded running	$= \frac{5.00}{40.00} \times 60 = 7.50$ 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	$= \frac{8}{22.50} \times 60.00 = 21.33$ 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
					Sub - Total	53,250.00

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

ZAMBOANGA DEL NORTE 3RD DEO

	Ave. Hauling Distance	Unit Cost per cu.m./km.	Hauling Cost per cu.m.	Unit Price	Unit Cost per cu.m.
Cost of Fine Aggregates:	20.00 X	10.65 =	213.00 +	750.00 =	963.00
Cost of Coarse Aggregates:	20.00 X	10.65 =	213.00 +	700.00 =	913.00
Cost of Item 200 Materials:	20.00 X	10.65 =	213.00 +	618.00 =	831.00
Cost of Item 201 Materials:	20.00 X	10.65 =	213.00 +	650.00 =	863.00
Cost of Item 300 Materials:	20.00 X	10.65 =	213.00 +	775.00 =	988.00
Cost of Boulders:	20.00 X	10.65 =	213.00 +	974.00 =	1,187.00
Cost of Embankmen, Common Borrow:	10.00 X	10.65 =	106.50 +	400.00 =	506.50
Cost of Embankmen, Selected Borrow:	20.00 X	10.65 =	213.00 +	500.00 =	713.00

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
Reint. Conc. Culvert Pipe, 910mm dia.	133.00
Grouted Riprap, Class "A"	99.00
Stone Masonry	1,661.00
Constuction of Field Office for the Engineer (7.0m. X 9.0 m.)	220.00
T O T A L	78,330.00

Quantity = **78,330.00** Bags

Delivery Charge = P 0.120 / bag / km.

S I T E	HAULING DISTANCE
Zamboanga del Norte 3RD DEO	
PROJECT SITE	20.00

*Average hauling distance from Source to assumed Stockpiling area :
say 20.00 km.

$$\begin{aligned} \text{Delivery Charge} &= P \quad 0.120 \quad \times \quad 20.00 \\ &= P \quad \mathbf{2.40} \quad / \text{ bag} \end{aligned}$$

*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.

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

$$\begin{aligned} \text{Speed when loaded} &: 30.00 \text{ kph} \\ \text{Speed when unloaded} &: 40.00 \text{ kph} \\ \text{Loaded running} &= \frac{20.00 \times 60}{30.00} = 40.00 \text{ mins.} \end{aligned}$$

$$\begin{aligned}
 &\text{Unloaded running} &= \frac{20.00}{40.00} \times 60 &= 30.00 \text{ mins.} \\
 &\text{Loading and Unloading} &: &45.00 \text{ mins.} \\
 &\text{Capacity of Dumptruck} &: &8.00 \text{ cu.m.} \\
 &&: &500.00 \text{ bags} \\
 &\text{Total Cycle time} &: &115.00 \text{ mins.} \\
 &\text{No. of trips for Dumptruck per day} &= \frac{8.0}{115.00} \times 60.00 &= 4.17 \text{ say } 4.17 \text{ trip} \\
 &\text{Dumptruck daily output} &= 500 \times 4.17 &= 2,086.96 \text{ cu.m.} \\
 &\text{Using (4) Dumptrucks} &= 4 \times 2086.96 &= 8,347.83 \text{ cu.m.}
 \end{aligned}$$

$$\begin{aligned}
 1. \text{ No. of days for Delivery Truck} &= \frac{78,330.00}{8,347.83} = 9.38 \text{ say } 9.38 \text{ days} \\
 2. \text{ No. of days for Labor, for unloading} &= \text{complimentary to D. Truck days} = 9.38 \text{ days}
 \end{aligned}$$

DELIVERY COST :

78,330.00 - Bags, Portland Cement	@ P	2.40	/ bag	= P	187,992.00
Sub - Total				P	187,992.00

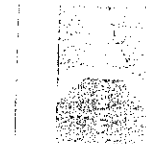
LABOR :

1 - Foreman	@ P	611.92 /day	x	9.38 days = P	5,741.82
10 - Laborers, unloading	@ P	342.24 /day	x	9.38 days = P	32,113.34
Sub - Total				P	37,855.16

MATERIALS :

78,330.00 - Bags, Portland Cement	@ P	285.00	/ bag	= P	22,324,050.00
Sub - Total				P	22,324,050.00

Estimated Quantity	78,330.00 Bags	
Unit Cost	P	287.88 / Bag, say P 287.88 / Bag
Grand Total	P	22,549,897.16
Delivery Cost	P	187,992.00



CERUSSO Structural Specialists
303 Iree Business Corner, Juon Luna St., Davao City, Philippines
Fax: +6382-2210577 Phone: +6382-2275215
Email: info@cerussos.com.ph

FORMAL QUOTATION

DPWH IX, RO (RMS)
RECEIVED
DATE: MAR 21 2018
FILE NO.: 109-1
M-924

TO: JORGE U. SEBASTIAN JR.
Regional Director - DPWH Region 9 Office
Zamboanga City

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

Subject : Steel Sheet Pile Quotation

Dear Sir Jorge:

I am pleased 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
Hot Rolled Type 2 (12m (U TYPE)) 400mm x 100mm x 10.5mm x 48 kg/m x 12meters SECTION MODULUS: 874 CM ³ /M Steel Grade: SY 295	Php 38,016.00	Php 66.00	1030 pcs	Php 38,016,000.00	READILY AVAILABLE
Hot Rolled Type 3 (12m (U TYPE)) 400mm x 125mm x 13mm x 60 kg/m x 12meters SECTION MODULUS: 1340 CM ³ /M Steel Grade: SY 295	Php 47,520.00	Php 66.00	1000 pcs	Php 47,520,000.00	READILY AVAILABLE
Hot Rolled Type 4 (12m (U TYPE)) 600mm x 355mm x 7mm x 53.4 kg/m x 12meters SECTION MODULUS: 947 CM ³ /M Steel Grade: Q235 B	Php 48,060.00	Php 75.00	667 pcs	Php 32,056,020.00	READILY AVAILABLE
Hot Rolled Type 5 (12m (U TYPE)) 600mm x 310mm x 9.5mm x 68.1 kg/m x 12meters SECTION MODULUS: 1240 CM ³ /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, Malina, 8000 Davao City
Phone: (+63 82) 298-5849 / 298-5850 / 298-6878
Fax: (+63 82) 297-7700 Email: dvgol168@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 ³ /M	Php 38,432.00
STEEL SHEET PILES 400mm x 125mm x 13mm x 60 kg/m x 12meters SECTION MODULUS: 1340 CM ³ /M	Php 47,860.00
STEEL SHEET PILES 600mm x 355mm x 7mm x 53.4 kg/m x 12meters SECTION MODULUS: 947 CM ³ /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 ³ /M	Php 70,280.20

TERMS AND CONDITION:

- Yet 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,

ARTURO A. VITIS, JR.
Sales Manager