

DPWH REGIONAL OFFICE IX

PROGRAM OF WORKS/BUDGET COST

Project	: ROAD WIDENING	:- PRIMARY ROADS - DIPOLOG - PUNTA - DANSULLAN - SERGIO OSMEÑA - ZAMBOANGA DEL NORTE/SUR BOUNDARY	Net Length	: (a) Road _ (b) Bridge	5,140.00	ln.m. =	10.280
Project ID	8			(c) Others			
Location	: ZAMBOANGA DEL NO	DRTE	Target Start Date	_			
Station Limits	: K 1862 + 900.00 - K 18		Total Project Duration	:	353		CD
Appropriation	: Php	150,000,000.00	No. of Pre-determined		71		CD
Source of Fund			Unworkable Days	_	27		CD

			AS	SUBMITTED		AS EVALUATED		
DESCRIPTION OF WORKS TO BE DONE	QUANTITY	UNIT	% TOTAL	TOTAL DIRECT COST	% TOTAL	TOTAL DIRECT COST		
Part A: Facilities for the Engineer			1.06	1,156,206.41				
B: Other General Requirements			0.79	856,183.31				
C: Earthworks			17.20	18,688,922.83				
D: Subbase and Base Course			24.93	27,094,970.31				
E: Surface Courses			54.24	58,943,571.27				
F: Bridge Construction			0.00	-		<u> </u>		
G: Drainage and Slope Protection Structures			0.87	940,150.69				
H: Miscellaneous Structures			0.91	986,577.77	55777			
	Total		100.00	108,666,582.58				

EQUIPMENT:

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

BREAKDOWN OF EXPENDITURES:

	AS SUBMITTED	AS EVALUATED
1. Labor	1,655,068.63	
2. Materials	78,782,290.67	
3. Rental of Equipment	28,229,223.27	
4. Provisional Sum / Daywork		
5. OCM and Profit	19,349,066.64	
6. Value Added Tax	6,400,782.46	
7. EAO, %	4 <u>,</u> 704,575.11	
8. RROW Acquisition	10,000,000.00	
9. Physical Reserved (Contingency)	878,993.21	
10.TOTAL ESTIMATED COST	150,000,000.00	

	AS SUBMITTED	AS EVALUA
A. Total Direct Cost	108,666,582.58	
B. OCM and Profit	19,349,066.64	
C. Value Added Tax	6,400,782.46	
D. Total Construction Cost	134,416,431.68	
E. Eng'g & Administrative Overhead, %	4,704,575.11	
F. RROW Acquisition	10,000,000.00	
G. Physical Reserved (Contingency)	878,993.21	
H. TOTAL ESTIMATED COST	150,000,000.00	

Preparation and Submission:

JOSEPHINE B, RENGOUIJO

Engineer II

Prepared by:

Checked/Submitted by:

ISIDRA A. ESTANISLAO

Engineer IV - Chairman Estimating Committee

DPWH RO9

Reviewed as to Unit Cost.

Evaluation:

SATURNINO CA TORREFRANCA Olc-Chief, Planning & Design Division

DPWH RO9

Recommending Approval

Approval:

KHADAFFY D. TANGGOL

OIC-Assistant Regional Director OPWH RO9

Approved:

OIC-Regional Director DPWH RO9



DPWH REGIONAL OFFICE IX

ROAD WIDENING - PRIMARY ROADS - DIPOLOG - PUNTA - DANSULLAN - SERGIO OSMEÑA - ZAMBOANGA DEL NORTE/SUR BOUNDARY ZAMBOANGA DEL NORTE

APPROVED BUDGET FOR THE CONTRACT

Contract Duration:

353

								Contract Duration .	3
TEM NO	DECODISTION	FORMATED DIRECT COST	TO	TAL MARK-UP	VAT	TOTAL INDIRECT	TOTAL COST	UNIT COST	
TEM NO.	DESCRIPTION		ESTIMATED DIRECT COST	% VALUE		VAI	COST	TOTAL GOST	UNIT COST
	FACULTIES FOR THE ENGINEER	AS EVALUATED			E				
PARLA	FACILITIES FOR THE ENGINEER	AS SUBMITTED	1,156,206.41	W. 1	104,778.44	63,049.24	167,827.68	1,324,034.09	
D.1.D.T. D.	OTHER OFFICE ALL DECIMENTS	AS EVALUATED							
PARIB	OTHER GENERAL REQUIREMENTS	AS SUBMITTED	856,183.31		46,533.48	45,135.84	91,669.32	947,852.63	
D.107.0	EARTHWORKS	AS EVALUATED			2				
PARIC	EARTHWORKS	AS SUBMITTED	18,688,922.83		3,364,006.11	1,102,646.45	4,466,652.56	23,155,575.39	
PART D	CURRACE AND BASE COURSE	AS EVALUATED			¥				
	SUBBASE AND BASE COURSE	AS SUBMITTED	27,094,970.31		4,877,094.66	1,598,603.25	6,475,697.90	33,570,668.22	
illo come de	CURTINE COURSE	AS EVALUATED							
PARIE	SURFACE COURSE	AS SUBMITTED	58,943,571.27		10,609,842.83	3,477,670.70	14,087,513.53	73,031,084.80	
DARTE	PRIDGE CONCERNICATION	AS EVALUATED						=	
PARIF	BRIDGE CONSTRUCTION	AS SUBMITTED	-		3.*		-	•	<u>*</u>
DADTO	DEALWASE AND OLODE DESCRIPTION	AS EVALUATED							
PARTG	DRAINAGE AND SLOPE PROTECTION	AS SUBMITTED	940,150.69	211	169,227.12	55,468.89	224,696.01	1,164,846.70	100
DARTII	MICOSI I ANISONIO CERNICIPIES	AS EVALUATED							
PARTH	MISCELLANEOUS STRUCTURES	AS SUBMITTED	986,577.77		177,584.00	58,208.09	235,792.09	1,222,369.86	
	TOTAL	AS EVALUATED							
	TOTAL	AS SUBMITTED	108,666,582.58		19,349,066.64	6,400,782.46	25,749,849.10	134,416,431.68	

Preparation and Submission:

1800 00 0000 00 0000

Approval:

Prepared by:

Checked/Submitted by:

Recommending Approval:

Approved:

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SEPHINE B. RENGQUIJO

DPWH RO9

Engineer IV - Chairman Estimating Committee

SATURMINO O. TORREFRANCA OIC-Chief, Planning & Design Division KHADAFFY/D. TANGGOL

OIC-Assistant Regional Direct

CAYAMOMBAO D. DIA
OIC-Regional Director

DPWH RO9

DPWH RO9

Evaluation:

Reviewed as to Unit Cost:

DPWH RO9

DPWA RO9



DPWH REGIONAL OFFICE IX

ROAD WIDENING - PRIMARY ROADS - DIPOLOG - PUNTA - DANSULLAN - SERGIO OSMEÑA - ZAMBOANGA DEL NORTE/SUR BOUNDARY ZAMBOANGA DEL NORTE

APPROVED BUDGET FOR THE CONTRACT

Contract Duration:

						Contract Duration :							
	DESCRIPTION				ESTIMATED DIRECT COST		TOTAL MARK-UP	VAT	TOTAL INDIRECT	TOTAL COST	UNIT COST		
ITEM NO.			QUANTITY	UNIT		. %	VALUE	VAI	COST	TOTAL COST	ONET COST		
PART A	FACILITIES FOR THE ENGINEER												
		AS EVALUATED								18			
A.1.1(3)	Construction of Field Office for the Engineer (7.0m. X 9.0 m.)	AS SUBMITTED	1.00	/ L.S.	490,289.11	18%	88,252.04	28,927.06	117,179.10	607,468.20	607,468.20		
	Provision of Furnitures/Fixtures, Equipment and Appliances	AS EVALUATED						*					
A.1.1(11	for the Field Office for the Engineers	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		
	and the second of the second o	AS EVALUATED											
A. 1.2	Operation and Maintenance of Gov't Service Vehicle	AS SUBMITTED	1.00 *	L.S.	459,337.30	0%	-	22,966.87	22,966.87	482,304.17	482,304.17		
	TOTAL OF 0.07 A	AS EVALUATED				2.5		λ					
	TOTAL OF PART A	AS SUBMITTED			1,156,206.41	1 1	104,778.44	63,049.24	167,827.68	1,324,034.09			
PART B	OTHER GENERAL REQUIREMENTS										, , , , , , , , , , , , , , , , , , ,		
	- Company West Co.	AS EVALUATED											
B.5	Project Billboard/Signboard	AS SUBMITTED	4.00 -	units	14,579.49	18%	2,624.31	860.19	3,484.50	18,063.99	4,516.00		
	10.5	AS EVALUATED											
B.4 (1)	Construction Survey and Staking	AS SUBMITTED	5.14	km.	147,090.76	18%	26,476.34	8,678.35	35,154.69	182,245.45	35,456.31		
		AS EVALUATED											
B.7	Occupational Safety and Health Program	AS SUBMITTED	1.00	L. S.	217,910.50	8%	17,432.84	11,767.17	29,200.01	247,110.51	247,110.51		
· ·		AS EVALUATED							,				
B.9	Mobilization & Demobilization	AS SUBMITTED	1.00	L. S.	476,602.56	0%	-	23,830.13	23,830.13	500,432.69	500,432.69		
	TOTAL OF DADED	AS EVALUATED											
	TOTAL OF PART B	AS SUBMITTED			856,183.31		46,533.48	45,135.84	91,669.32	947,852.63			

reparation	and	Submission:
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Prepared by:

Checked/Submitted by:

Reviewed as to Unit Cost:

Evaluation:

SATURNINO C. TORREFRANCA

OfC-Chief, Planning & Design Division

DPWH RO9

997 I) Eng

Engineer IV - Chairman Estimating Committee

DPWH R09

PART C	EARTHWORKS								,		
		AS EVALUATED									
101(3)	Removal of Existing Headwall	AS SUBMITTED	24.00	each each	70,041.72	18%	12,607.51	4,132.46	16,739.97	86,781.69	3,615.90
770-27432		AS EVALUATED									
102(2)	Surplus Common Excavation	AS SUBMITTED	63,699.00-	cu.m.	11,771,224.86	18%	2,118,820.47	694,502.27	2,813,322.74	14,584,547.60	228.96
		AS EVALUATED									
103(3)	Foundation Fill	AS SUBMITTED	30.00	cu. m.	43,321.55	18%	7,797.88	2,555.97	10,353.85	53,675.40	1,789.18
		AS EVALUATED									
103(6)a	Pipe Culvert and Drain Excavation	AS SUBMITTED	39.00	cu.m.	8,963.36	18%	1,613.40	528.84	2,142.24	11,105.60	284.76
104(1)a1		AS EVALUATED									
	Embankment from Roadway Excavation	AS SUBMITTED	25,605.00	cu.m.	5,912,743.81	18%	1,064,293.89	348,851.88	1,413,145.77	7,325,889.58	286.11
000000000000000000000000000000000000000		AS EVALUATED									
105(1)a	Subgrade Preparation	AS SUBMITTED	55,121.00	sq.m.	882,627.54	18%	158,872.96	52,075.02	210,947.98	1,093,575.52	19.84
		AS EVALUATED	1								
	TOTAL OF PART C	AS:SUBMITTED			18,688,922.83		3,364,006.11	1,102,646.45	4,466,652.56	23,155,575.39	
PART D	SUBBASE AND BASE COURSE								7		
SACHOMORYA IZ		AS EVALUATED						1			
200(1)	Aggregate Subbase Course, 0.30 m. thick	AS SUBMITTED	20,135.00	cu. m.	27,094,970.31	18%	4,877,094.66	1,598,603.25	6,475,697.90	33,570,668.22	1,667.28
		AS EVALUATED									
	TOTAL OF PART D	AS SUBMITTED			27,094,970.31		4,877,094.66	1,598,603.25	6,475,697.90	33,570,668.22	

P	rena	ration	and	Sul	bmission:

Prepared by:

B. RENGOUIJO ISIDRA A. ESTANISLAO
Engineer IV - Chairman Estimating Committee

Checked/Submitted by:

DPWH RO9

Evaluation:

Reviewed as to Unit Cost:

SATURNING OF TORREFRANCA
QIC-Chief, Plagning & Design Division

DPWH RO9

PART E	SURFACE COURSES										
	0 10 1 0 045 7:1	AS EVALUATED									
300(1)	Gravel Surface Course, 0.15m. Thick	AS SUBMITTED	2,544.00	cu. m.	3,882,691.66	18%	698,884.50	229,078.81	927,963.31	4,810,654.97	1,890.98
244(4)-4	Darte d Comment Comment Developed A 20 mg High	AS EVALUATED									
311(1)e1	Portland Cement Concrete Pavement, 0.28 m. thick	AS.SUBMITTED	34,438.00	sq. m.	55,060,879.61	18%	9,910,958.33	3,248,591.90	13,159,550.23	68,220,429.83	1,980.96
	TOTAL OF BADT F	AS EVALUATED									
	TOTAL OF PART E	AS SUBMITTED			58,943,571.27		10,609,842.83	3,477,670.70	14,087,513.53	73,031,084.80	
PART G	DRAINAGE AND SLOPE PROTECTION STRUCTURES										
	D : (0 0 - 1 D: - 040 1	AS EVALUATED									
500(1)03	Reinf. Conc. Culvert Pipe, 910mm dia.	AS SUBMITTED	131.00 -	ln. m.	357,475.34	18%	64,345.56	21,091.05	85,436.61	442,911.95	3,381.01
505(0)	O 4 LID: OL HAN	AS EVALUATED									
505(2)a	Grouted Riprap, Class "A"	AS:SUBMITTED	46.00	cu. m.	157,768.51	18%	28,398.33	9,308.34	37,706.67	195,475.18	4,249.46
500//	0. 11	AS EVALUATED									
506(1)	Stone Masonry	AS:SUBMITTED	101.00-	cu. m.	424,906.84	18%	76,483.23	25,069.50	101,552.73	526,459.57	5,212.47
	TOTAL OF BART C	AS EVALUATED									
	TOTAL OF PART G	AS SUBMITTED			940,150.69		169,227.12	55,468.89	224,696.01	1,164,846.70	

Preparation and Submission:

Prepared by:

Checked/Submitted by:

ISIDRA A. ESTANISLAO Engineer IV - Chairman Estimating Committee

DPWH RO9

Evaluation:

Reviewed as to Unit Cost:

OIC-Chief, Planning & Design Division

DPWH RO9

PART H	MISCELLANEOUS STRUCTURES										
		AS EVALUATED									
612(1)	Reflectorized Thermoplastic Pavement Marking, White	AS SUBMITTED	1,284.00	sq.m.	986,577.77	18%	177,584.00	58,208.09	235,792.09	1,222,369.86	952.00
vasterous con-	A	AS EVALUATED									
622(1)a	Coco-net	AS SUBMITTED		sq.m.	-	18%	-	-		<u> </u>	#DIV/0!
	Coco-logs/Fascine	AS EVALUATED							N.		
622(2)b		AS SUBMITTED		ln.m.	12	18%	-0	(4)			#DIV/0!
	74	AS EVALUATED									
622(3)a	Vegetation	AS SUBMITTED	-	sq.m.	-	18%	-		545	-	#DIV/0!
		AS EVALUATED									
	TOTAL OF PART H	AS SUBMITTED			986,577.77		177,584.00	58,208.09	235,792.09	1,222,369.86	
		AS EVALUATED									
	GRAND TOTAL	AS SUBMITTED			108,666,582.58		19,349,066.64	6,400,782.46	25,749,849.10	134,416,431.68	

Preparation	and	Cuhm	lecion.

Prepared by:

Checked/Submitted by:

ISIDRA A. ESTANISLAO

Engineer IV - Chairman Estimating Committee

DPWH RO9

Evaluation:

Reviewed as to Unit Cost

SATURNING S. TORREFRANCA
OC-Chief, Planning & Design Division
DPWH R09

		AS EVALUATED											
	TOTAL OF PART C	AS SUBMITTED	17.198			33,416.70	433,802.80	18,221,703.33	18,688,922.83	· · ·	3,364,006.11	1,102,646.45	23,155,575.39
PART D	SUBBASE AND BASE COURSE				(I) (jj) (ji) (j								
2000 000 100 000 000 000 000 000 000 000		AS EVALUATED											
200(1)	Aggregate Subbase Course, 0.30 m. thick	AS SUBMITTED	24.934	20,135.00	cu. m.	25,160,494.65	69,370,61	1,865,105.05	27,094,970.31	18%	4,877,094.66	1,598,603.25	33,570,668.22
	TOTAL OF DIOTE	AS EVALUATED											
	TOTAL OF PART D	AS SUBMITTED	24.934			25,160,494.65	69,370.61	1,865,105.05	27,094,970.31		4,877,094.66	1,598,603.25	33,570,668.22
PARTE	SURFACE COURSES									0000		0.00	
000(4)	O	AS EVALUATED			cu. m.								
300(1)	Gravel Surface Course, 0.15m. Thick	AS SUBMITTED	3.573	2,544.00	Gu. Mi.	3,638,276.16	8,764.78	235,650.72	3,882,691.66	18%	698,884,50	229,078.81	4,810,654.97
	D 4 10 10 10 10 10 10 10 10 10 10 10 10 10	AS EVALUATED			sg. m.					<u> </u>			
311(1)e1	Portland Cement Concrete Pavement, 0.28 m. thick	AS SUBMITTED	50.670	34,438.00	aq. 11).	47,336,116.05	514,034,32	7,210,729.25	55,060,879.61	18%	9,910,958.33	3,248,591.90	68,220,429.83
*****	TOTAL OF DIDIT	AS EVALUATED											
	TOTAL OF PART E	AS SUBMITTED	54,243			50,974,392.21	522,799.09	7,446,379.97	58,943,571.27		10,609,642.83	3,477, 6 70.70	73,031,084.80
PARTG	DRAINAGE AND SLOPE PROTECTION STRUCTURES				91.0011.0011.123								
500(4)10	2 : (0 0 .) - 10: - 010 die	AS EVALUATED			In, m,								
500(1)b3	Reinf. Conc. Culvert Pipe, 910mm dia.	AS SUBMITTED	0.329	131.00	116.416	313,639.54	11,185.54	32,650.25	357,475.34	18%	64,345.56	21,091.05	442,911.95
E05/0\	O 1 L I B' OL 10 B	AS EVALUATED			cu, m,								
505(2)a	Grouted Riprap, Class "A"	AS SUBMITTED	0.145	46.00	OU. III.	128,404.19	17,644.50	11,719.82	157,768.51	18%	28.398.33	9,308.34	195,475.18
		AS EVALUATED			cu. m.								
506(1)	Stone Masonry	AS SUBMITTED	0,391	101.00		363,321.01	30,266.54	31,319.28	424,906.84	18%	76,483.23	25,069.50	526,459.57
	TOTAL OF BADT O	AS EVALUATED											
	TOTAL OF PART G	AS SUBMITTED	0.865			805,364.75	59,096.58	75,689.36	940,150.69		169,227.12	55,468.89	1,164,846.70
PART H	MISCELLANEOUS STRUCTURES	10.00					60.000 000000						
040(4)	D. C. J. C. J. The control of the Co	AS EVALUATED			sq.m.				·····	<u> </u>	<u> </u>		
612(1)	Reflectorized Thermoplastic Pavement Marking, White	AS SUBMITTED	0.908	1,284.00	34.114	887,898.61	19,987.13	78,692.03	986,577.77	18%	177,584.00	58,208.09	1,222,369.86
	GRAND TOTAL	AS EVALUATED											404 440 151 55
	GRAND TOTAL	AS SUBMITTED	100.000		<u> </u>	78,782,290.67	1,655,068.63	28,229,223.27	108,666,582.58		19,349,066.64	6,400,782.46	134,416,431.68



ROAD WIDENING - PRIMARY ROADS - DIPOLOG - PUNTA - DANSULLAN - SERGIO OSMEÑA - ZAMBOANGA DEL NORTE/SUR BOUNDARY ZAMBOANGA DEL NORTE

						DETAIL	ED BREAKDOW	N OF COMPONEN	T COST FOR EA	CH ITEN	1		
							DIRECT	COST		TOTA	AL MARK-UP	5% VAT	TOTAL COST
ITEM NO.	DESCRIPTION		%	QTY.	UNIT	MATERIAL	LABOR	EQUIPMENT	TOTAL	%	VALUE	370 VAI	TOTAL COST
PART A	FACILITIES FOR THE ENGINEER												
		AS EVALUATED		17	L.S.			_					
A.1.1(3)	Construction of Field Office for the Engineer (7.0m. X 9.0 m.)	AS SUBMITTED	0.451	1.00	L.O.	329,786.38	109,329.75	51,172.98	490,289.11	18%	88,252.04	28,927.06	607,468.20
	Provision of Furnitures/Fixtures, Equipment and Appliances for	AS EVALUATED			L. S.								
A.1.1(11)	theField Office for the Engineers	AS SUBMITTED	0,190	1.00	L. S.	206,580.00			206,580.00	8%	16,526.40	11,155.32	234,261.72
		AS EVALUATED			L.S.								
A. 1.2	Operation and Maintenance of Gov't Service Vehicle	AS SUBMITTED	0.423	1.00	L.S.	290,540.50	168,796.80		459,337.30	0%	*	22,966.87	482,304.17
		AS EVALUATED											
	TOTAL OF PART A	AS SUBMITTED	1.064			826,906.88	278,126.55	51,172.98	1,156,206.41		104,778.44	63,049.24	1,324,034.09
PART B	OTHER GENERAL REQUIREMENTS				Endere								
		AS EVALUATED			units								
B.5	Project Billboard/Signboard	AS SUBMITTED	0.013	4.00	unns	13,660.00	919.49	640	14,579.49	18%	2,624.31	860.19	18,063.99
		AS EVALUATED		. Ti	1								
B.4 (1)	Construction Survey and Staking	AS SUBMITTED	0.135	5.14	km.	31,156.88	102,055.88	13,878.00	147,090.76	18%	26,476.34	8,678.35	182,245.45
	ale to Construe the Construence	AS EVALUATED											
B.7	Occupational Safety and Health Program	AS SUBMITTED	0.201	1.00	L, S.	49,000.00	168,910.50		217,910.50	8%	17,432.84	11,767.17	247,110.51
		AS EVALUATED											
B.9	Mobilization & Demobilization	AS SUBMITTED	0.439	1.00	L. S.	-	(0.	476,602.56	476,602.56	0%	-	23,830.13	500,432.69
		AS EVALUATED											
	TOTAL OF PART B	AS SUBMITTED	0.788			93,816.88	271,885.87	490,480.56	856,183.31		46,533.48	45,135.84	947,852.63
PART C	EARTHWORKS												
	20 March 1997 1997 1997 1997 1997 1997 1997 199	AS EVALUATED			and.								
101(3)	Removal of Existing Headwall	AS SUBMITTED	0.064	24.00	each	2	3,591.17	66,450.55	70,041.72	18%	12,607.51	4,132.46	86,781.69
		AS EVALUATED			2.7								-T
102(2)	Surplus Common Excavation	AS SUBMITTED	10.832	63,699.00	cu,m.	-	230,823.94	11,540,400.91	11,771,224.86	18%	2,118,820.47	694,502.27	14,584,547.60
		AS EVALUATED											
103(3)	Foundation Fill	AS SUBMITTED	0.040	30.00	cu. m.	33,416.70	6,301.83	3,603.02	43,321.55	18%	7,797.88	2,555.97	53,675.40
		AS EVALUATED			2002								
103(6)a	Pipe Culvert and Drain Excavation	AS SUBMITTED	0.008	39.00	cu.m.	-	423.97	8,539.39	8,963.36	18%	1,613.40	528.84	11,105.60
		AS EVALUATED											
104(1)a1	Embankment from Roadway Excavation	AS SUBMITTED	5.441	25,605.00	cu.m.	-	161,010.72	5,751,733.09	5,912,743.81	18%	1,064,293.89	348,851.88	7,325,889.5
		AS EVALUATED			2002								
105(1)a	Subgrade Preparation	AS SUBMITTED	0.812	55,121.00	sq.m.		31,651.17	850,976.37	882,627.54	18%	158,872.96	52,075.02	1,093,575.52



ROAD WIDENING - PRIMARY ROADS - DIPOLOG - PUNTA - DANSULLAN - SERGIO OSMEÑA - ZAMBOANGA DEL NORTE/SUR BOUNDARY ZAMBOANGA DEL NORTE

						ITEMIZ	ED BREAKDOW	N			
						DIRECT (COST		TOTAL U	NIT COST	N DIDECT COST
ITEM NO.	DESCRIPTION	0	ΤΥ	UNIT	TO	ΓAL	UNIT	COST	(DIRECT+I	NDIRECT)	% DIRECT COST
		AS SUBMITTED	AS EVALUATED		AS SUBMITTED	AS EVALUATED	AS SUBMITTED	AS EVALUATED	AS SUBMITTED	AS EVALUATED	AS EVALUATED
PARTA	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.	490,289.11		490,289.11		607,468.20		0.45
A.1.1(11)	Provision of Furnitures/Fixtures, Equipment and Appliances for the Field Office for the Engineers	1.00		L.S.	206,580.00		206,580.00		234,261.72		0.190
A. 1.2	Operation and Maintenance of Gov't Service Vehicle	1.00		L.S.	459,337.30		459,337.30		530,534.58		0.423
	TOTAL OF PART A				1,156,206.41						1.064
PARTB	OTHER GENERAL REQUIREMENTS										
B.5	Project Billboard/Signboard	4.00		units	14,579.49		3,644.87		4,516.00		0.013
B.4 (1)	Construction Survey and Staking	5.14		km.	147,090.76		28,616.88		35,456.31		0.135
B.7	Occupational Safety and Health Program	1.00		L. S.	217,910.50		217,910.50		269,991.11		0.20
B.9	Mobilization & Demobilization	1.00		L. S.	476,602.56		476,602.56		590,510.57		0.439
	TOTAL OF PART B				856,183.31						0.788
PART C	EARTHWORKS										
101(3)	Removal of Existing Headwall	24.00		each	70,041.72		2,918.40		3,469.98		0.064
102(2)	Surplus Common Excavation	63,699.00		cu.m.	11,771,224.86		184.79		228.96		10.832
103(3)	Foundation Fill	30.00		cu. m.	43,321.55		1,444.05		1,789.18		0.040
103(6)a	Pipe Culvert and Drain Excavation	39.00		cu.m.	8,963.36		229.83		284.76		0.008
104(1)a1	Embankment from Roadway Excavation	25,605.00		cu.m.	5,912,743.81		230.92		286.11		5.44
105(1)a	Subgrade Preparation	55,121.00		sq.m.	882,627.54		16.01		19.84		0.812
	TOTAL OF PART C				18,688,922.83						17.198

PART D	SUBBASE AND BASE COURSE						
200(1)	Aggregate Subbase Course, 0,30 m. thick	20,135.00	cu. m.	27,094,970.31	1,345.67	1,667.28	24.934
	TOTAL OF PART D			27,094,970.31			24,934
PARTE	SURFACE COURSES						
300(1)	Gravel Surface Course, 0.15m, Thick	2,544.00	cu. m.	3,882,691.66	1,526,22	1,890.98	3,573
311(1)e1	Portland Cement Concrete Pavement, 0.28 m. thick	34,438.00	sq. m.	55,060,879.61	1,598.84	1,980.96	50.670
	TOTAL OF PART E			58,943,571.27			54.243
PARTG	DRAINAGE AND SLOPE PROTECTION STRUCTURES	6.000000000	0 (C 0)				
500(1)b3	Reinf. Conc. Culvert Pipe, 910mm dia.	131.00	ln. m.	357,475.34	2,728.82	3,381.01	0.329
505(2)a	Grouted Riprap, Class "A"	46.00	cu. m.	157,768.51	3,429.75	4,249.46	0.145
506(1)	Stone Masonry	101.00	cu.m.	424,906.84	4,207.00	5,212.47	0.391
	TOTAL OF PART G			940,150.69			0.865
PARTH	MISCELLANEOUS STRUCTURES						
612(1)	Reflectorized Thermoplastic Pavement Marking, White	1,284:00	sq.m.	986,577.77	768.36	952.00	0,908
	TOTAL OF PART H			986,577.77		:	0.908
	GRAND TOTAL			108,666,582.58			100,000

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ROAD WIDENING - PRIMARY ROADS - DIPOLOG - PUNTA - DANSULLAN - SERGIO OSMEÑA - ZAMBOANGA DEL NORTE/SUR BOUNDARY ZAMBOANGA DEL NORTE

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

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

Quantity
Unit of Measurement
Output per hour · As Submitted
Output per hour · As Evaluated 1.00 1.00

								Ξ.																											E.2	Ē	D.2	2 2	6.1		H 2				D				A.2				2		
15mm da. PVC Elbow	15nm da: PVC Coupling	15mm da. PVC pipe	ROYAND THAI	3 SOMO TUNI	Tun good Suitch	Porcean Celing Cultet W temale	2 x 40w Flourescent Lighting Fixtures	Finishing Nails	Rough lumber, Sun dried Tanguile	Roof Sealant	Tecksdew 1-1/2*	Pre-painled flashing, GA 24	Pre-painted Flashing Ridge Roll GA24x 0.60m width	Pre-painted G.I. Roofing Sht. Long Span	Primer, Zinc Cromate	Wedning Rood	20mm dia X 350 mm Anchor Bolle	Throng Fac Son Brid	12mm thi. Base Plate	16mm dia. Tum Buckle	16mm da. Cross Brading	Purins, C-150mm x 50 x 3mm	2-1, nearly cale must type sixing audit, loxuppera wit accessiones Amida ficars	Kemiorang Steel Bars, Grade 40	CHB6* Ihick	Assorted CW Nails	Lumber		Reinforcha Steel Bars, Grade 60	Washed Sand	Portland Cement		Majoriale	Name and Specification	Direct Unit Cost (C.2 + D.2) - As Evaluated	Direct Unit Cost (C.1 + D.1) - As Submitted	Output per hour - As Evaluated	Output per hour. As Submitted	Total (A.1 + B.1) - As Submitted	Sub - Total for B.2 · As Evaluated	Equipment	Sub - Total for B.1 - As Submilled	Mnor Tools (10% of Labor Cost)	Water Truck/Pump	One Bagger Mixer	Equipment	Name and Capacity	Sub - Total for A.2 - As Evaluated		Labor	Sub - Total for A.1 - As Submitted	Skilled Edboleis	Const, Foreman	Labor	Designation
ps.	pc.	R.	B	2.	ρ.	3 8	Kg.	kg	bd.fl.	pc.	la.m.	h.m.	sq.m.	gal.	Ę .	χή.	3 4	Ko G	Kg.	ā	Š.	kg.	Set	, g	P.	Kg.	bd.fl.	Kg.	o Si	QI.M.	bag			May										_	1		No. of Units					8 0	p _		No. of Personls
20.00	20,00	20.00	20.00	3,98	300	300	5,00	5.00	450.00	200	1,000.00	2.00	10.00	55.00	5.00	25.00	150.00	30,00	45.00	30.00	65.00	35.00	640.00	150.00	700.00	20.00	250.00	35.00	800.00	35.00	220.00			Quantity										8.00	120.00		No. of Hour/s					120,00	120.00		No. of Hour/s
26.00			69.33		12200		<u></u>		37.00						531.00			50,00			50.00		52.00			58.00				1,168.60				Unit Cost										2,450.00			Hourly Rate					45 16	50.95		Hourly Rafe
520.00	540.00	1,520.00			10.00 C	510.00	/,250,00	1,400.00	15,650.00	460.00	1,250.00		1,890.00	23,100.00	2,655.00	3,250,00	7.500.00	750.00	2,250.00	6,900.00	3,250.00	1,820,00	33.280.20	6,150,00	17,500.00	1,160.00	5,750.00	2,380.00	34,400,00	37,529.00	64,045.58	1		Amount (PhP)		160,502.73	1.00	190	160,502.73			51,172.98	10,932.98	19,600.00	20,640.00		Amount (PhP)				109,329.75	43,350,00	9,714.10	0.744.65	Amount (PhP)

Checked/Reviewed by:

JEPALD B. BARRENA

Engineer II

DPWH RO9

	(G.2 + H.2 + I.2 + J.2)	(G.		Total Unit Cost - As Evaluated	K.2
607,468.20	(G.1 + H.1 + I.1 + J.1)	(6.		Total Unit Cost - As Submitted	K.1
	5% of (G.2 + H.2 +I.2)	5%		Value Added Tax (VAT) - As Evaluated	J.2
28,927.06	5% of (G.1 + H.1 +l.1)	5%		Value Added Tax (VAT) - As Submitted	١.ن
	10% / 8% of G.2			Contractor's Profit (CP) - As Evaluated	1.2
39,223.13	10% / 8% of G.1		STATE OF THE PROPERTY OF THE PARTY OF THE PA	Contractor's Profit (CP) - As Submitted	1.1
	15% / 12%/ 10% / 8% of G.2	15% / 129	Evaluated	Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated	H.2
49,028.91	15% / 12%/ 10% / 8% of G.1	15% / 129	Submitted	Overhead, Contingencies & Miscellaneous (OCM) - As Submitted	H.1
				Direct Unit Cost (E.2 + F.2) - As Evaluated	6.2
490,289.11				Direct Unit Cost (E.1 + F.1) - As Submitted	G.1
				Sub - Total for F.2 - As Evaluated	
					F.2
				Materials	
329,786.38				Sub - Total for F.1 - As Submitted	
448.00	56.00	8.00	pc.	2* PVC Assorted Connector	
462.00	77.00	6.00	рс	4° PVC Assorted Connector	
305.00	305.00	1.00	pc.	2" PVC Series 1000	
640.00	640.00	1.00	pc.	4" PVC Series 1000	
152.00	19.00	8.00	pc.	1/2" Assorted Connector	
330.00	165.00	2.00	Эж.	1/2" Water Faucet	
584.00	292.00	2.00	pc.	1/2* GI pipe S-40	
4,512.00	4,512.00	1.00	set	Lavatory (complete w/ fittings & accessories)	
6,062.00	6,062.00	1.00	set	Water Closet (complete w/ accessories & fittings)	
5,500.00	2,750.00	2.00	set	Panel Boardside Main w/ braches	
196.00	28.00	7.00	рс	Electrical Tape	
1,700.00	34.00	50.00	pc.	Octagon Box	
224.00	32.00	7.00	pc.	Овіту Вох	
100.00	50.00	200	pc.	Wire Holder	
203.00	101.50	2.00	рс.	20mm dia. Service Entrance Cap	200
180.00	18.00	10.00	рс.	20 mm dia. RSCClamp	
90.00	30.00	3.00	pc.	20 mm dia. RSC Elbow	
108.00	36.00	3.00	рс.	20nm dia. RCS Coupling	
960.00	240.00	4.00	pc.	20mm dia. RSC pipe	
400.00	0.00	00.00	po.	Total dat 1 to Owner	

A.1.1(11) Provision of Furnitures/Fixtures, Equipment & Appliances for the Field of the Engineers

ltem No. / Description

Quanilly Unit of Measurement Oulput per hour - As Submitted Output per hour - As Evaluated 1.00 1.00

5,000,00	5,000.00	1.00	unit	Waler dispenser	
		2.00	unit	USB (32 GB)	
	10,000.00	1.00	unit	Digital Camera	
		1.00	unit	Computer Printer (Scanner & Phocopier)	
	60,000.00	1.00	unii	Laptop	
		2.00	doz.	Sign Pen, Assorted	
		6.00	pcs.	Data File Folder	
		2.00	box	Letter Envelope, White (long)	
		12.00	pos	White Baord Narker(Assorted Colors)	
		12.00	рся	Pentel pen(Assorted Colors)	
)		6.00	doz.	Folder,long	
	100.00	6.00	doz.	Folder, short	
1	150.00	6.00	set	Colored Penci, 12's	
	130.00	6.00	d02.	Expanded Envelope, long	2
	110.00	6.00	doz	Brown Envelope, Long & Short	<u> </u>
	50.00	12.00	bottles	Correction Fluid Pen	
		6.00	bollies	Glue	
	200.00	3.00	рох	Cutter Blade	
		6,00	pox	Staple Wife	
	120.00	200	DOX	Eraser(Ink, penal)	
	00.00	4.00	DOX	rasteners	
	43.00	200.2	DOX	Paper Caps	
	100.00	2.00	DOX	Pencis	
	100.00	0.00	Vox	Deliver	
	250.00	.00 £	boy.	Dation Lindy Con	
	50.00	UU G3	3	Ratherine Engenites	
600.00	100.00	6.00	rolls	Marking Tape	
	45.00	6.00	rolis	Scotch Tape	
	50.00	6.00	pads	Pad paper	
4	300.00	15.00	ream	Bond Paper(short)	
	350.00	20.00	ream	Dend paper(Long)	
	3,000.00	12.00	each	Cartridge(Computer Printerfink)	
	2,500.00	1.00	each	Computer Table	
	4,000.00	1.00	each	Drawing Lable	
	7,000.00	1.00	Set	Office Factor Jr. Executive type w/ char	
2 000 00	3,000,00	3.00	DC.	o. Steeping Bed M billows & pranket	
	5,000,00	200	COL	Paragram Destructions & Florida	
200000	2,000.00	1.00	de:	Null British Change & Early	
	30000	200	30	Flasge Far & David	
100000	00,003	300	3	Pagila Dail & Basin	
	50000	00.63	3	Wonning Chairs	
	2,000.00	1.90	Back	Wille Dosid, 3 x o	
00,000.0	20000	133	oach	White Board Are to	
				Materials	
Amount (PhP)	Unit Cost	Quantity	Unit	Name and Specification	
				Direct Unit Cost (C.2 + D.2) - As Evaluated	E.2
				D.2 Output per hour - As Evaluated	0.2
				Output per hour - As Submitted	D.1
				_	_
				Sub - Total for B.2 - As Evaluated	L.
					B.2
				Equipment	
				Sub - Total for B.1 - As Submitted	
					,
					_
					<u></u>
				Equipment	
Amount (PhP)	Hourly Rate	No. of Houris	No. of Units	Name and Capacity	
				Sub-Total for A.2. As Evaluated	
				And the same	Α .>
				Labor	
				Sub - Total for A.1 - As Submitted	
				The state of the s	·
				and the state of t	
				The state of the s	<u> </u>
				Labor	
Amount (PhP)	Hourly Rate	No. of Houris	No. of Person/s	Designation	
					_

Prep	K.2	<u></u>	J.2	J.1	1.2	=	Н.2	H.1	G.2	G.1		F.2															-			
JOSEPHUNG REMODULO Elginee M DPWH J 65	Total Unit Cost - As Evaluated	Total Unit Cost - As Submitted	Value Added Tax (VAT) - As Evaluated	Value Added Tax (VAT) - As Submitted	Contractor's Profit (CP) - As Evaluated	Contractor's Profit (CP) - As Submitted	Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated	Overhead, Contingencies & Miscellaneous (OCM) - As Submitted	Direct Unit Cost (E.2 + F.2) - As Evaluated	Direct Unit Cost (E.1 + F.1) - As Submitted	Sub - Total for F.2 - As Evaluated		Materials	Sub - Total for F.1 - As Submitted	Rechargeable Lamps	Bedsheets(Single)	Folding Bed	Record Book (500 leaves)	Scissors	Bulletin/Cork Board 2' x 3'	Stapler	Puncher	Water Container	Electric Airpot	Rice Cooker	Wall Clock	Slove Tank Refill	Gas Stove w/ Tank	Steel Cabinet	Electric Fan
							luated	mitted							unit	pc.	рс.	pc.	pc.	pc.	pc.	pc.	pc.	unit	unit	unit	tanks	set	unit	pc.
l a			(7)	(B			15%/1	15%/1							3.00	6.00	3.00	6.00	4.00	2.00	3.00	1.00	2.00	1.00	1.00	2.00	6.00	1.00	1.00	3.00
Checked/Reviewed by Charles (Charles of the Charles	(G.2 + H.2 + I.2 + J.2)	(G.1 + H.1 + I.1 + J.1)	5% of (G.2 + H.2 +1.2)	5% of (G.1 + H.1 +I.1)	10% / 8% of G.2	10% / 8% of G.1	15% / 12%/ 10% / 8% of G.2	15% / 12%/ 10% / 8% of G.1							750.00	500.00	1,800.00	130.00	50.00	500.00	300.00	300.00	300.00	1,800.00	1,300.00	500.00	850.00	3,500.00	5,000.00	2,000.00
		234,261.72		11,155.32		16,526.40		•	•	206,580.00				206,580.00	2,250.00	3,000.00	5,400.00	780.00	200.00	1,000.00	900.00	300.00	600.00	1,800.00	1,300.00	1,000.00	5,100.00	3,500.00	5,000.00	6,000.00

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

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

	(G.2 + H.2 + I.2 + J.2)			Total Unit Cost - As Evaluated	K.2
530,534.58	(G.1 + H.1 + I.1 + J.1)				Σ.
	5% of (G.2 + H.2 +1.2)			Value Added Tax (VAT) - As Evaluated	J.2
25,263.55	5% of (G.1 + H.1 +l.1)			Value Added Tax (VAT) - As Submitted	J.1
	10% / 8% of G.2			Contractor's Profit (CP) - As Evaluated	1.2
	10% / 8% of G.1			Contractor's Profit (CP) - As Submitted	Ξ
	15% / 12%/ 10% / 8% of G.2	15%	ated	Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated	Н.2
45,933.73	15% / 12%/ 10% / 8% of G.1	15%	itted	Overhead, Contingencies & Miscellaneous (OCM) - As Submitted	H
•				Direct Unit Cost (E.2 + F.2) - As Evaluated	6.2
459,337.30				Direct Unit Cost (E.1 + F.1) - As Submitted	G.1
				Sub - Total for F.2 - As Evaluated	
					F.2
				Materials	
290,540.50				Sub - Total for F.1 - As Submitted	
36,006.00	36,006.00	1.00	Ş	Spare Parts	
47,500.00	9,500.00	5.00	pcs.	Tires	
27,004.50	27,004.50	1.00	l.s.		ž
180,030.00	51.00	3,530.00	liters	Diesel Fuel	п
				Malerials	
Amount (PhP)	Unit Cost	Quantity	Unit	Name and Specification	
				Direct Unit Cost (C.2 ÷ D.2) - As Evaluated	E.2
168,796.80				Direct Unit Cost (C.1 + D.1) - As Submitted	E1
1.00				Output per hour - As Evaluated	D.2
1.00				Output per hour - As Submitted	D.1
				Total (A.2 + B.2) - As Evaluated	C.2
168,796.80				Total (A.1 + B.1) - As Submitted	0.1
				Sub - Total for B.2 - As Evaluated	
				rdo buom	By
				Carlomont	
				Sub - Total for B.1 - As Submitted	
1		ï	1		B.1
				Equipment	
Amount (PhP)	Hourly Rate	No. of Houris	No. of Unit/s	Name and Capacity	
				Sub - Total for A.2 - As Evaluated	
					A.2
				lahor	
169,796.80				Sub - Total for A.1 - As Submitted	
0.00				CONTROL DITTO	
168,796.80	58.61	2.880.00	-	Service Driver	1
0.00				Lanor	^
Amount (PhP)	Hourly Rate	No. of Hourls	No. of Person/s	Designation	

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

5.14 km. 1.00

Quantity
Unit of Measurement
Output per hour - As Submitted
Output per hour - As Evaluated

	(G.Z+H.Z+1.Z+J.Z)			K.2 Total Unit Cost - As Evaluated	~ >
35,456.31	(G.1 + H.1 + I.1 + J.1)			1	2
	5% of (G.2 + H.2 +I.2)			2 Value Added Tax (VAT) - As Evaluated	J.2
1,688.40	5% of (G.1 + H.1 +l.1)			_	J.1
	10% / 8% of G.2			Contractor's Profit (CP) - As Evaluated	1.2
2,289.35	10% / 8% of G.1			Contractor's Profit (CP) - As Submitted	Ξ
	15% / 12%/ 10% / 8% of G.2	15%/	ated	Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated	H.2
2,861.69	15% / 12%/ 10% / 8% of G.1	15%/	ilted	_	프
					G.2
28,616.88				_	6.1
				Sub - Total for F.2 - As Evaluated	1
				Materials	53
6,061.65				Sub + Total for F.1 - As Submitted	
-	200.00			iiisoenalieous(578 ol Materials)	
288.65	288 65	119.00	pcs.	Dide print as stave prant	
1,173.00	51.00	23.00	sheets		Ξ
,				Materials	
Amount (PhP)	Unit Cost	Quantity	Unit	Name and Specification	
				_	E.2
22,555.23				Direct Unit Cost (C.1 + D.1) - As Submitted	띤
1.00					D.2
1.00				_	-
				Total (A.2 + B.2) - As Evaluated	C.2
20 222 50				-	2
					B.2
				Equipment	
2,700.00				Sub - Total for B.1 - As Submitted	
2,700.00	100.00	27.00	_	Total Station Complete w/ accessories	B.1
				Equipment	
Amount (PhP)	Hourly Rate	No. of Hour/s	No. of Unit's	Name and Capacity	
				Sub - Total for A.2 - As Evaluated	
					A.2
				Labor	ij
19,855.23				Sub - Total for A.1 - As Submitted	
0.00	10.00	00.00		Skilled Laborers	
4 689 90	104.16	80.00		Geodelic Engineer	
0 232 40	6			For Office Works:	
2,438.44	45.16	27.00	2	Laborers	<u>A</u>
1,582.47	58.61	27.00	1	Skilled Laborers	
2,812.42	104.16	27.00	-	Geodetic Engineer	
0.00				For Fieldworks:	
				abor	
Supposition of the last	Hourly Rate	No. of Hour/s	No. of Person/s	Designation	

Item No. I Description Project Billboard

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

	(G.2+H.2+I.2+J.2)			Total Unit Cost - As Evaluated	£ 2
4,516.00	(G.1 + H.1 + I.1 + J.1)			_	2
	5% of (G.2 + H.2 +I.2)			_	J.2
215.05	5% of (G.1 + H.1 +l.1)			Value Added Tax (VAT) - As Submitted	J.1
•	10% / 8% of G.2			_	1.2
291.59	10% / 8% of G.1				Ξ
	15% / 12%/ 10% / 8% of G.2	15%	ated		Н.2
364.49	15% / 12%/ 10% / 8% of G.1	15%	itted		H.
					G.2
3,644.87				_	6.1
				Sub - Total for F.2 - As Evaluated	
				Materials	F.2
3				out - lotal tot F.1 - As subtilitied	I
3.415.00				Sub-Total for E.4 - As Submitted	
80.00	80.00	1.00	kg.	Assorted CW Nails	
2,100.00	42.00	50.00	bd.ft.	Assorted Sizes lumber	
800.00	800.00	1.00	рс	Tarpaulin (4' x 8')	Ξ
435.00	435.00	1.00	pc.	Marine Plywood (3/16" lhk. 4' x 8')	
•				Materials	
Amount (PhP)	Unit Cost	Quantity	Unit	Name and Specification	
				Direct Unit Cost (C.2 + D.2) - As Evaluated	E.2
229.87					四
1.00					0.2
1.00					D.1
					C.2
229.87				Total (A.1 + B.1) - As Submitted	0.1
				Sub - Total for B.2 - As Evaluated	
					В.2
				Equipment	
				Sub - Total for B.1 - As Submitted	
				Equipment	0
(an d support	ionil min	No. of Frontier	Ho. of offibe	Maine and Cabacity	
Amount (PhP)	Hourly Rate	No of Hourle	No of Unitie	Name and Canacity	
				Sub - Total for A.2 - As Evaluated	
					A.2
				Lapor	
223.01				Sub - Iolal for A.1 - As Submitted	
220.87					
000					
90.31	45.16	1.00	2	Laborers	
58.61	58.61	1.00	-	Skilled Laborers	2
80.95	80.95	1.00	1	Const. Foreman	:
0.00				To protect the	
				Labor	
Amount (PhP)	Hourly Rate	No. of Hour/s	No. of Person/s	Designation	
The second secon	PARTICIPATION OF A CAMP	ACCEPTAGE OF THE PROPERTY OF T	The second secon	ALCO SINCE STATE	

JERAKO B. BARRERA Enginaer II DPWH ROS

Item No. I Description **B.7** Occupational Safety and Health Program

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

\					
•	(G.2 + H.2 + I.2 + J.2)			(.2 Total Unit Cost - As Evaluated	K.2
269,991.11	(G.1 + H.1 + I.1 + J.1)				Σ.1
•	5% of (G.2 + H.2 +I.2)				J.2
12,856.72	5% of (G.1 + H.1 +l.1)			.1 Value Added Tex (VAT) - As Submitted	J.1
	10% / 8% of G.2				1.2
17,432.84	10% / 8% of G.1			.1 Contractor's Profit (CP) - As Submitted	=
•	15% / 12%/ 10% / 8% of G.2	15%	ated	i.2 Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated	Н.2
21,791.05	15% / 12%/ 10% / 8% of G.1	15%	itted		Ŧ
				i.2 Direct Unit Cost (E.2 + F.2) - As Evaluated	G.2
217 910 50					2
				Sub - Total for F.2 - As Evaluated	7
				Materials	
49,000.00				Sub - Total for F.1 - As Submitted	
21,000,00	1,400.00	13.00	pia.	Dairicatesi-sigiiovartas	
2,000,00	2,500.00	1.00	sel	First Aide Kit (Complete medianes & tools)	
3,000.00	300.00	30.00	Dd.II.	Rain Coals (Keimorceo, Hip)	
1,500.00	50.00	30.00	pc	_	Ξ
15,000.00	500.00	30.00	pc.		
				Materials	
Amount (PhP)	Unit Cost	Quantity	Unit	Name and Specification	
					E.2
168,910.50					E1
1.00					D.2
1.00				_	D.1
				_	C.2
168,910.50					0.1
				Sub - Total for B.2 - As Evaluated	
					B.2
	51013			Fallingent	
				Sub - Total for B.1 - As Submitted	_
				-	B.1
				Equipment	
Amount (PhP)	Hourly Rate	No. of Hour/s	No. of Unit's	Name and Capacity	
				Sub - Total for A.2 - As Evaluated	
				2	A.2
				Lapor	e E
100,010,00				Sub- I clai loi A.1 - As Subillineu	I
0.00				Orb Telefor A & A Cubulliad	
0.00					
127,531.84	45.16	2,824.00	-	First Aider	
41,378.66	58.61	706.00	1	Safety Practitioner	2
0.00				Labor	
				and Grants	
Amount (PhP)	Hourly Rate	No of Hours	No of Person/s	Designation	

CheckediReviewed by:

JERALD B. BARRERA

Engineer II

DPWH ROS

Item No. I Description B.9 Mobilization/Demobilization

1.00 I.s. 1.00

Quantity
Unit of Measurement
Output per hour - As Submitted
Output per hour - As Evaluated

	(G.2 + H.2 + I.2 + J.2)			Total Unit Cost - As Evaluated	5 2
590.510.57	(G1+H1+I1+J1)				5 1
,	5% of (G.2 + H.2 +I.2)				J.2
28,119.55	5% of (G.1 + H.1 +I.1)			Value Added Tax (VAT) - As Submitted	J.1
	10% / 8% of G.2			Contractor's Profit (CP) - As Evaluated	1.2
38,128.20	10% / 8% of G 1			Contractor's Profit (CP) - As Submitted	H
1	15% / 12%/ 10% / 8% of G.2	15%	ated	Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated	H.2
47,660.26	15% / 12%/ 10% / 8% of G.1	15%	ilted	Overhead, Contingencies & Miscellaneous (OCM) - As Submitted	H
*					0.2
476,602.56				Direct Unit Cost (E.1 + F.1) - As Submitted	G.1
				Sub - Total for F.2 - As Evaluated	
					F.2
				Materials	
				Sub - Total for F.1 - As Submitted	
-					
ř					
					Ξ
04					
				Materials	
Amount (PhP)	Unit Cost	Quantity	Unit	Name and Specification	
4				Direct Unit Cost (C.2 ÷ D.2) - As Evaluated	E.2
476,602.56				Direct Unit Cost (C.1 + D.1) - As Submitted	
1.00	The second second second			Output per hour - As Evaluated	
1.00				Output per hour - As Submitted	
				Total (A.2 + B.2) - As Evaluated	
476,602.56				Total (A.1 + B.1) - As Submitted	2
				Sub - Total for B.2 - As Evaluated	
				ETPOTO POSSON (B.2
				Equipment	
476,602.56				Sub - Total for B.1 - As Submitted	
476,602.56	4,255.38	28.00	4	Low Bed Trailer	8.1
				Equipment	
Amount (PhP)	Hourly Rate	No. of Hour/s	No. of Unit's	Name and Capacity	
				Sub - Total for A.2 - As Evaluated	L
					A.2
				Labor	1
0.00				Sub - Total for A.1 - As Submitted	
0.00					_
0.00					Α.1
				Labor	
Amount (PnP)	Hourly Rate	No. of Hours	No. of Person/s	Designation	
Account (Dhp)	Harristo Data	No of House		-	

Checked/Reviewed by-JERALD B. BARRERA
Engineer II
DPWH ROS

Item No. I Description 101(3) Removal of Existing Headwall

Quantity
Unit of Measurement
Output per hour - As Submitted
Output per hour - As Evaluated 24.00 each 1.15

					[
3,409.90	(G.2 + H.2 + I.2 + J.2)			K.2 Total Unit Cost - As Submitted K.2 Total Unit Cost - As Evaluated	5 5
	5% of (G.2 + H.2 +l.2)			-	J.2
20.27	5% of (G.1 + H.1 +1.1)			_	
76.90	5% of (G 1 + H 1 + I 1)				
233.4/	10% / 8% of G.1			_	=
	15% / 12%/ 10% / 8% of G.2	15%	ated	-	H.2
291.84	15% / 12%/ 10% / 8% of G.1	15%	ilted	_	H
				_	G.2
2,918.40				3.1 Direct Unit Cost (E.1 + F.1) - As Submitted	G.1
				Sub - Total for F.2 - As Evaluated	
				-	F.2
				Materials	
•				Sub - Total for F.1 - As Submitted	
					2
					n.
				Materials	
Amount (PnP)	Unit Cost	Quantity	Unit	Name and Specification	
0.00	II-II O-L	0			
				_	E2
2.918.40					n i
1.15					0.0
1.15					0 6
				_	0.3
3,359.81					C
				Sub - Total for B.2 - As Evaluated	ç
				Equipment	D 3
3,187.33				Sub- I of all for B.1 - As Submitted	T
0.407.66					
1,420.00	1,420.00	1.00	-		
768.50	1,537.00	0.50	-		B.1
999.05	1,998.10	0.50	-	Backhoe w/ breaker	
				Equipment	
Amount (PhP)	Hourly Rate	No. of Hour/s	No. of Unit/s	Name and Capacity	
				Sub - Total for A.2 - As Evaluated	
				is	A.2
				Labor	
172.26				Sub - Total for A.1 - As Submitted	
90.31	45.16	1.00	2	Laborers	
2024	80.95	1.00	, _	-	>
0000		3			
, d ,	1		100.01.00000		
Amount (PhP)	Hourly Rate	No of Hour/s	No of Person/s	Designation	

Checked/Reviewed by-

JERAJO B. BARRERA
Engineer II
DPWH RO9

DETAILED UNIT PRICE ANALYSIS (DUPA)

Item No. I Description 102(2) Surplus Common Excavation

Quantity
Unit of Measurement
Output per hour - As Submitted
Output per hour - As Evaluated 63,699.00 cu.m. 60.00

٠,					
	(G.2 + H.2 + I.2 + J.2)			Total Unit Cost - As Evaluated	
228.96	(G.1 + H.1 + I.1 + J.1)			Total Unit Cost - As Submitted	
	5% of (G.2 + H.2 +I.2)			Value Added Tax (VAT) - As Evaluated	
10.90	5% of (G.1 + H.1 +I.1)			Value Added Tax (VAT) - As Submitted	J.1
	10% / 8% of G.2			Contractor's Profit (CP) - As Evaluated	1.2
14.78	10% / 8% of G.1			Contractor's Profit (CP) - As Submitted	Ξ
•	15% / 12%/ 10% / 8% of G.2	15%/	ated	Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated	
18.48	15% / 12%/ 10% / 8% of G.1	15%/	itted	Overhead, Contingencies & Miscellaneous (OCM) - As Submitted	E
				Direct Unit Cost (E.2 + F.2) - As Evaluated	_
184.79				Direct Unit Cost (E.1 + F.1) - As Submitted	G.1
				Sub - Total for F.2 - As Evaluated	
					F.2
				Materials	
				Sub - Total for F.1 - As Submitted	
					Ξ
				A STATE OF THE PARTY OF THE PAR	
				materials	
Amount (PhP)	Unit Cost	Quantity	Unit	Name and Specification	
•				Direct Unit Cost (C.2 ÷ D.2) - As Evaluated	E.2
184.79				Direct Unit Cost (C.1 + D.1) - As Submitted	
60.00				Output per hour - As Evaluated	
60.00				Output per hour - As Submitted	
•				Total (A.2 + B.2) - As Evaluated	
11,087.67				Total (A.1 + B.1) - As Submitted	C.1
				Sub - Total for B.2 - As Evaluated	-
				Panhuoir	B.2
10,870,25				Sub- (otal for E.T - As Submitted	
5,325.00	1,420.00	1.25	ω	Dump Truck	
433.25	1,733.00	0.25	-	Payloader	
1,733.00	1,733.00	1.00	1	Payloader	B.1
3,379.00	3,379.00	1.00	_	Buildozer	
				Equipment	
Amount (PhP)	Hourly Rate	No. of Hour/s	No. of Unit's	Name and Capacity	
				Sub - Total for A.2 - As Evaluated	
		ance of about 10 km.	to father hauling dista	Note: Additional number & time for dump trucks were added due to father hauling distance of about 10 km.	Α2
				Labor	
217.42				Sub - Total for A.1 - As Submitted	
135.47	45.16	1.00	3	Laborers	
80.95	80.95	1.00	1	Const. Foreman	Α.1
				Labor	
Amount (PhP)	Hourly Rate	No. of Hour/s	No. of Person/s	Designation	

RACO B. BARRERA Engineer II DPWH ROS

DETAILED UNIT PRICE ANALYSIS (DUPA)

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

39.00 cu.m. 20.00

Quantity
Unit of Measurement
Output per hour - As Submitted

No. of Person/s No. of Hour/s	Designation

	(G.2 + H.2 + I.2 + J.2)			_	3 2
284 76	(G1+H1+I1+J1)			Total Unit Cost - As Submitted	2.2
13.50	5% of (G 2+ H2+12)			-	5 5
13.55	50/ of /C 1 + H 1 + H 1				
10.39	10% 10% 010.1			_	T=
	15% / 12%/ 10% / 8% of G.Z	15%	uated	-	H.2
22.98	15% / 12%/ 10% / 8% of G.1	15%	mitted		H
					G.2
229.83					G.1
				-	
				_	F.2
				Materials	T
,				Sub - Total for F.1 - As Submitted	
					F.1
×					
				Materials	
Amount (PhP)	Unit Cost	Quantity	Unit	Name and Specification	
				Direct Unit Cost (C.2 + U.2) - As Evaluated	E.2
229.83					E
20.00				_	D.2
20.00					0.1
				_	C.2
4,596.59					0.1
				Sub - Total for B.2 - As Evaluated	
					B.2
				Equipment	
4,379.17				Sub - Total for B.1 - As Submitted	
,					
217					
2,840.00	1,420.00	1.00	2		B.1
1,537.00	1,537.00	1.00	-	Backhoe	
				Equipment	
Amount (PhP)	Hourly Rate	No. of Hourfs	No. of Unit/s	Name and Capacity	
				Sub - Total for A.2 - As Evaluated	
					A.2
				Labor	
211.42				Sub - Total for A.1 - As Submitted	
017 10					
135.47	45.16	1.00	ဃ	Laborers	
80.95	80.95	1.00	-	Const. Foreman	A.1
				Labor	
Amount (PhP)	Hourly Rate	No. of Hourls	No. of Person/s	Designation	

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

25,605.00 cu.m. 50.00

Quantify
Unit of Measurement
Output per hour - As Submitted
Output per hour - As Evaluated

	(G.2 + H.2 + I.2 + J.2)			Total Unit Cost - As Evaluated	K 2
286.11	(G.1 + H.1 + I.1 + J.1)			Total Unit Cost - As Submitted	2
	5% of (G.2 + H.2 +I.2)			-	J.2
13.62	5% of (G.1 + H.1 +I.1)			Value Added Tax (VAT) - As Submitted	J.1
	10% / 8% of G.2			Contractor's Profit (CP) - As Evaluated	1.2
18.47	10% / 8% of G.1			Contractor's Profit (CP) - As Submitted	=
• (0	15% / 12%/ 10% / 8% of G.2	15%	ated	Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated	H.2
23.09	112%/10%/8% of G.1	15%	itted	Overhead, Contingencies & Miscellaneous (OCM) - As Submitted	Ξ
				Direct Unit Cost (E.2 + F.2) - As Evaluated	G.2
230.92				Direct Unit Cost (E.1 + E.1) - As Submitted	2
				Och Tables To As Fisherbol	F.2
				Materials	!
				Sub - Total for F.1 - As Submitted	
, ,					2
					2
:jt					
				Materials	
Amount (PhP)	Unit Cost	Quantity	Unit	Name and Specification	
				Direct Unit Cost (C.2 + D.2) - As Evaluated	E.2
230.92				Direct Unit Cost (C.1 + D.1) - As Submitted	E
50.00				Output per hour - As Evaluated	D.2
50.00				Output per hour - As Submitted	D.1
				Total (A.2 + B.2) - As Evaluated	C.2
11,546.07				Total (A.1 + B.1) - As Submitted	0.1
				Sub - Total for B.2 - As Evaluated	
				Lympinoin	B.2
08.162,11				Sub - I otal for B.1 - As Submitted	
11 221 66					
612.50	2,450.00	0.25	_	Water Truck	
1,846.00	1,846.00	1.00	-	Road Roller	
2,173.00	2,173.00	1.00	-	Road Grader	
				Spreading & Compaction:	
					B.1
2,357.20	1.420.00	0.83	2	Dumo Truck	
1 438 39	1 733 00	0.63	- -	Baylonder	
2 BOA 57	2 270 00	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		Excavation Work:	
				Equipment	
Amount (PhP)	Hourly Rate	No. of Hourls	No. of Unit's	Name and Capacity	
				Sub - Iolai Iol A.Z - As Evaluated	
				Sub. Total for A 2. As Evaluated	
					?
					3
				Land	
314.41				Sub-Total for A.1 - As Submitted	
90.31	45.16	1.00	2	Laborers	
80.95	80.95	1.00	-	Const. Foreman	
		0.00	,	Spreading & Compaction:	3
74.96	45 16	0.83	s -	Const. Foreman	>
27	200			Excavation Work:	
				Labor	
Amount (PnP)	Hourly Rate	No. of Hours	No. of Person/s	Designation	
a intro		7			

JERALOB, BARRERA Engineer II DPWH RO9

DETAILED UNIT PRICE ANALYSIS (DUPA)

Item No. I Description 103(3) Foundation Fill

Quantily
Unit of Measurement
Oulput per hour - As Submitted
Output per hour - As Evaluated 30.00 cu.m. 1.25

				•	
· James	(G.2+H.2+I.2+J.2)				
1 789 18	(G.1 + H.1 + I.1 + J.1)				
	5% of (G 2 + H 2 +12)			_	_
85.20	5% of (G.1 + H.1 +I.1)			_	_
	10% / 8% of G.2			_	
115.52	10% / 8% of G 1				
,	15% / 12%/ 10% / 8% of G.2	15%	ated		_
144.41	15% / 12%/ 10% / 8% of G.1	15%	itted		
1,444.05				_	6.1
				Sub - Total for F.2 - As Evaluated	
					F2
				Materials	I
1.113.89				Sub - Total for F.1 - As Submitted	
•					
i.					
100					
ı					
*					2
					!
*					
1,113.89	968.60	1.15	cu.m.	Filling Materials	
				Materials	
Amount (PhP)	Unit Cost	Quantity	Unit	Name and Specification	
				Direct Unit Cost (C.2 ÷ D.2) - As Evaluated	E.2
330.16				Direct Unit Cost (C.1 + D.1) - As Submitted	E.
1.25				_	
1.25					-
				Total (A.2 + B.2) - As Evaluated	C.2
412.70				Total (A.1 + B.1) - As Submitted	C.1
				Sub - Total for B.2 - As Evaluated	
					B.2
				Equipment	
150.13				Sub - Total for B.1 - As Submitted	
263	4,700,00	0.01		Mnor Tools(10 % of Labor)	
27.00	2 450 00	0.01	-	Water frick	B.
10000	100	8		Equipment	
Amount (PhP)	Hourly Rate	No. of Houris	No. of Units	Name and Capacity	
				Committee and the second secon	I
				Sub - Total for A.2 - As Evaluated	
					A.2
				Labor	
262.58				Sub - Total for A.1 - As Submitted	
180.63	45.16	1.00	4	Laborers	
80.95	80.95	1.00	-	Const. Foreman	Δ
				Labor	-
Amount (PhP)	Hourly Rate	No. of Hour/s	No. of Person/s	Designation	
י ייירייי	11 P.L.	11 - 2 a		7	

Engineer II
DPWH RO9

Item No. I Description 105(1)a Subgrade Preparation

Quantify
Unit of Measurement
Output per hour - As Submitted
Output per hour - As Evaluated 55,121.00 sq.m. 300.00

19:04	(G2+H2+12+J2)			Total Unit Cost - As Submitted	5 5
	5% of (G.2 + H.2 +I.2)			Value Added Tax (VAT) - As Evaluated	J.2
0.94	5% of (G.1 + H.1 +l.1)			Value Added Tax (VAT) - As Submitted	J.1
	10% / 8% of G.2			Confractor's Profit (CP) - As Evaluated	1.2
1.28	10% / 8% of G.1			Contractor's Profit (CP) - As Submitted	=
	15% / 12%/ 10% / 8% of G.2	15%	ated	Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated	
1.60	15% / 12%/ 10% / 8% of G.1	15%	nitted	Overhead, Conlingencies & Miscellaneous (OCM) - As Submitted	_
				Direct Unit Cost (E.2 + F.2) - As Evaluated	
16.01				Direct Unit Cost (F.1 + F.1) - As Submitted	2
				Oct The Court of t	F.2
				Materials	
k				Sub - Total for F.1 - As Submitted	
-					3
					!
				Materials	
Amount (PhP)	Unit Cost	Quantity	Unit	Name and Specification	
				Direct Unit Cost (C.2 + D.2) - As Evaluated	E.2
16.01				Direct Unit Cost (C.1 ÷ D.1) - As Submitted	E.1
300.00				Output per hour - As Evaluated	_
300.00				Output per hour - As Submitted	_
				Total (A.2 + B.2) - As Evaluated	_
4,803.76				Total (A.1 + B.1) - As Submitted	22
				Sub - Total for B.2 - As Evaluated	
				Edulpinent	B ₂
4,001.00				Sub - I otal for B.1 - As Submitted	I
163150					_
					_
	2000000			HAMPI HAMPI	B.1
612.50	2 450 00	0.25	- ا	Water Trick	
1,846.00	1.846.00	1.00	۰ -	Road Roller	
2.173.00	2 173 00	100	•	Road Grader	
				Equipment	Т=
Amount (PhP)	Hourly Rate	No. of Hour/s	No. of Unit's	Name and Capacity	
				Sub - Total for A.2 - As Evaluated	
					A.2
					_
				Labor	1-
172.26				Sub - Total for A.1 - As Submitted	
0.00					
0.00					
90.31	45.16	1.00	2	Laborers	A.1
80.95	80.95	1.00	-	Const. Foreman	-
				Labor	
					-1
Amount (PhP)	Hourly Rate	No. of Hourfs	No. of Person/s	Designation	

Checked/Reviewed by:

JEFVALD B. BARRERA

Engineer II

DPWH RO9

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

Quantity
Unit of Measurement
Output per hour - As Submitted
Output per hour - As Evaluated 20,135.00 cu.m. 50.00

	(G.2+H.2+I.2+J.2)			Total Unit Cost - As Evaluated	K2
1,667.28	(G.1 + H.1 + I.1 + J.1)				2
,	5% of (G.2 + H.2 +1.2)				J.2
79.39	5% of (G.1 + H.1 +l.1)			_	<u>.</u>
2	10% / 8% of G.2				.2
107.65	10% / 8% of G.1				=
	15% / 12%/ 10% / 8% of G.2	15%	uated		H.2
134.57	15% / 12%/ 10% / 8% of G.1	15%	nitted		Ŧ
•					G.2
1,345.67				-	6.1
				Sub - Total for F.2 - As Evaluated	į
				materials	F2
1,245,05				Sub - Iolai for F.1 - As Submitted	T
1 249 640				Out Table To A Colonillad	
					T.
	1,000,00		Ca.m.	(w/ 15% shinkane)	
1 249 59	1 08 860	1 15	3	Materials	
Amount (PhP)	Unit Cost	Quantity	Unit	Name and Specification	
				Direct Unit Cost (C.2 ÷ D.2) - As Evaluated	E.2
90,00				_	
96.08				_	0.2
50.00				_	D.1
50.00				_	C.2
4,000.10				-	0.1
1 003 76				_	Γ
				-	B.2
				Equipment	
4,631.50				Sub - Total for B.1 - As Submitted	
					_
					Ģ.
612.50	2,450.00	0.25	1	Water Truck	3
1,846.00	1,846.00	1.00	-	Road Roller	
2,173.00	2,173.00	1.00	-	Road Grader	
				and the state of t	
				Equipment	
Amount (PhP)	Hourly Rate	No. of Hour/s	No. of Units	Name and Capacity	
				Sub - Total for A.2 - As Evaluated	
					A.2
				Labor	
17.20				Sub-Total for A.1 - As Submitted	
172.26					
0.00					
0.00					
90.31	45.16	1.00	2	Laborers	<u>></u>
80.95	80.95	1.00		Const Foremon	
				Langi	
Amount (PhP)	Hourly Rate	No. of Hour/s	No. of Person/s	Designation	

JERALO B. BARRENA Engineer II DPWH RO9

Item No. / Description 300(1) Gravel Surface Course

Quantity
Unit of Measurement
Output per hour - As Submitted
Output per hour - As Evaluated 2,544.00 cu.m. 50.00

>					
· Joseph	(G.2 + H.2 + I.2 + J.2)			K.2 Total Unit Cost - As Submitted K.2 Total Unit Cost - As Evaluated	5 2
1 890 98	0% 01 (9.2 + H.2 + 1.1)			-	J.2
90.05	5% of (G.1 + H.1 +l.1)			-	٠.1
	10% / 8% of G.2				1.2
122.10	10% / 8% of G.1				Ξ
•	15% / 12%/ 10% / 8% of G.2	15%	rated		Н.2
152.62	15% / 12%/ 10% / 8% of G.1	15%	nitted		± 5
1,020.24				Direct Unit Cost (E.1 + F.1) - As Submitted	9.1
1 62632				_	:
				manufacture and the second sec	F.2
1,430.14				Sub - Total for F.1 - As Submitted Materials	Τ
					Ξ
E				(W/ 15% shrinkage)	
1,430.14	1,243.60	1.15	cu.m.	Gravel Surface Course	
Amount (PhP)	Unit Cost	Quantity	Unit	Name and Specification	
•				Direct Unit Cost (C.2 + D.2) - As Evaluated	E.2
98,08				Direct Unit Cost (C.1 + D.1) - As Submitted	12
50.00					0.2
50.00					D.1
				Total (A.2 + B.2) - As Evaluated	C.2
4,803.76				Total (A.1 + B.1) - As Submitted	2
				Sub - Total for B 2 - As Evaluated	Ç
				Equipment	B 3
4,631.50				Sub - Total for B.1 - As Submitted	
•					
V1E.00	4,400.00	0.2.0	-	Water Huch	B.1
61250	2,450,00	0.55	-	Word Noise	
1,846,00	2,1/3.00	1.00		Road Grader	
2.72.00	2				
				Equipment	
Amount (PhP)	Hourly Rate	No. of Houris	No. of Unit's	Name and Capacity	
				Sub - Total for A.2 - As Evaluated	
					A.2
				Labor	
172.26				Sub - Total for A.1 - As Submitted	
0.00					
0.00					
90.31	45.16	1.00	2	Laborers	A.1
80.95	80.95	1.00	-	Const. Foreman	
				27.0.71	
				Labor	
Amount (PhP)	Hourly Rate	No. of Hour/s	No. of Person/s	Designation	

CheckediReviewed by:

JERALD B. BARRERA

Engineer II

DPWH RC9

Item No. / Description 311(1)e1 Portland Cement Concrete Pavement, 0.28m. Thk.

Unit of Measurement
Output per hour - As Submitted
Output per hour - As Evaluated 27 27 27 27 34,438.00 sq.m. 57.50

					Γ
	(G.2+H.2+I.2+J.2)			2 Total Unit Cost - As Evaluated	5 2
1 980 96	(G1+H1+11+11)			-	J.2
07.00	5% of (G.1 + H.2 + I.2)			_	5 5
94.33	5% of (G 1 + H.1 +l.1)			_	
	10% / 8% of G.2				5
127.91	10% / 8% of G.1			_	=
	15% / 12%/ 10% / 8% of G.2	15%	uated	_	Ŧ,
159.88	15% / 12%/ 10% / 8% of G.1	15%	nitted		Ξ :
2				_	3 9
1,598.84				Direct Unit Cost (E.1 + E.1) - As Submitted	2
					F.2
				Materials	
1,374.53				Sub - Total for F.1 - As Submitted	
0.16	21.00	0.0078	-	Grease/Tar	
0.31	40.00	0.0078	а	Pipe Sleeve, 1' da	
1.20	8,000.00	0.00015	pc.	Concrete Saw (Diamond Blade 14*dia.)	STITE OF
774.37	291.12	2.66	bag	Portland Cement	
327.21	1,168.60	0.28	cu.m.	Coarse Aggregates	
197.83	1,284.60	0.1540	CU.M.	-	3
27.60	60.00	0.46	3	_	!
12.75	75.00	0.17		Asphall Sealant	
11.60	40.00	0.29	=	Curing Compound	
21.50	43.00	0.50	Š	Reinfording Steel Bar	-
				Materials	
Amount (PhP)	Unit Cost	Quantity	Unit	Name and Specification	
				Direct Unit Cost (C.2 + D.2) - As Evaluated	E.2
224.31				_	E.1
57.50				_	D.2
57.50				_	0.1
,				Total (A.2 + B.2) - As Evaluated	C.2
12,897.78				_	2
				Sub - Total for B.2 - As Evaluated	Ç
				Equipment	3
				OUD-TOTAL DI D.I - As GUIIIIII CO	
12.039.52				Sub Total for B 1 - As Submitted	
1907	21812	0.10		Bar Curier	
21 08	27.010	1.00	1	Condete Saw	
2,400.00	2,450.00	1.00		Water i ruck/Pump	
2 450 00	3 450 00	1.00		Condete Screeder	
1,733.00	1,733.00	1.00		Payloader	
1 733.00	1,732,00	1.90		Condete Batch Plant	B.1
1 750 50	67.16	1.00	2	Concrete Vibrator	
5,272.00	1,318.00	1.00	4	Transit Mixer	
				Equipment	
Amount (PhP)	Hourly Rate	No. of Hour/s	No. of Unit/s	Name and Capacity	
				Sub - Total for A.2 - As Evaluated	
					A.2
					3
				Laboi	
17.000				Sub- lotal for A.1 - As Submitted	
70 030					
541.88	45.16	1.00	12	Laborers	4100011
234.44	58.61	1.00	4	Skilled I aborers	<u>A</u>
80.95	80.95	1.00	-	Cont Foremon	
					. Want
Amount (PhP)	Hourly Rate	No. of Hourfs	No. of Person/s	Designation	

Prepared by:

Checked/Reviewed by:

JERALD B. BARRERA
Engineer II
DPWH RO9

Item No. I Description 500(1)b3 Pipe Culvert & Strom Drain

Quantify
Unit of Measurement
Output per hour - As Submitted
Output per hour - As Evaluated 131.00 ln.m. 2.00

,				- 10	
	(G.2+H.2+I.2+J.2)				3 3
3.381.01	(G1+H1+l1+J1)			Total Lati Cost As Submitted	J.2
	5% of (G.1 + H.1 +1.1)			-	
161 00	20 Of 10 1 H 1 H 1 H 1			_	
	10% / 8% of G 2			_	
21831	10% / 18% of G 1	100	naten		H.2
	150/ 1400/ 1400/ 180/ of G 3	450	linted		E
272.88	112%/10%/18% of G 1	150/	mitted	_	G.2
2,120.02				_	6.1
27000					
					F.2
				Materials	T
2,394.19				Sub- Total for F1 - As Submitted	
,					
164.43	1,284.60	0.128	cu.m.		
_	1,837.00	1.00	pc.		Ξ
	1,284.60	0.061	cu.m.	Fine Aggregates	
314.41	291.12	1.08	bag	Portland Cement	
				Materials	
Amount (PhP)	Unit Cost	Quantity	Unit	Name and Specification	
				Direct Ollit cost (c	ľ
* 100 mm				_	3 [
334.62				-	100
2.00					2 5
200				_	C.2
67.600				_	0.1
200				_	
				-	B.2
				Equipment	
498.48				Sub - Total for B.1 - As Submitted	-200
17.08				Minor Tools (10 % of Labor Cost)	
*					
,					
					B.1
30,07	123.00	0.29	-	Plate Compactor	
445.73	1,537.00	0.29	1	Bachhoe	
				Equipment	
Amount (PhP)	Hourly Rate	No. of Hourls	No. of Units	Name and Capacity	
				Offin - folgi fol W.T. Wa Example of	
				Sub Total for A 2 - As Evaluated	
					i
					2
				Labor	
170.77				Sub - Total for A.1 - As Submitted	
0.00					
0,00					
					<u> </u>
102.96	45.16	0.57	4	Laborers	
66.82	58.61	0.57	2	Skilled I aborers	
46.14	80.95	0.57	-	Labor	
Amount (PhP)	Hourly Rate	No. of Hourls	No. of Person/s	Designation	

Prepared by:

Checked/Reviewed by.* JERALD B. BARRERA
Engineer II
DPWH RO9

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

Quantity
Unit of Measurement
Output per hour - As Submitted
Output per hour - As Evaluated 46.00 cu.m. 1.25

	(G.2+H.2+I.2+J.2)			Total Unit Cost - As Evaluated	K.2
4,249.46	(G.1 + H.1 + I.1 + J.1)				<u>~</u>
	5% of (G.2 + H.2 +l.2)				J.2
202.36	5% of (G.1 + H.1 +I.1)			_	ر.
	10% / 8% of G.2				.2
274.38	10% / 8% of G.1				Ξ
	15% / 12%/ 10% / 8% of G.2	15%	ated	_	H.2
342.98	15% / 12%/ 10% / 8% of G.1	15%	itted		H .
3,429.73					6.1
0 100 75				Sub - Total for F.2 - As Evaluated	
				Materials	F.2
2,791.40				Sub - Total for F.1 - As Submitted	Ι
27.64				Msc (1% of Materials Cost)	
•				7.7	
1,514.73	1,442.60	1.05	cu.m.	Doulders	
2.40	160.00	0.015	som.	Filter Cloth	
34.60	115.33	0.30	T Carin.	50mm (2*) PVC Pine	2
17.63	1,284.60	0.250	cu.m.		n
873.35	291.12	3.00	bag	Portland Cement	
				Materials	
Amount (PhP)	Unit Cost	Quantity	Unit	Name and Specification	
					E.2
638.35					Ē
1.25					0.2
1.25					2 6
191.94		-		Total (A.1 + B.1) - As Submitted	3 5
70704				_	2
					B.2
				Equipment	T
318.47				Sub - Total for B.1 - As Submitted	
,				1	
•					
					_
					B.1
122.50	2,450.00	0.05	-	Water Truck/Pump	
172.00	172.00	1.00	_	One Bagger Mixer	
				Equipment	
Amount (PhP)	Hourly Rate	No. of Hour/s	No. of Unit/s	Name and Capacity	
				Sub - Total for A.2 - As Evaluated	
					A.2
				Labor	
479.47				Sub - Total for A.1 - As Submitted	
0.00					
0.00					
				_	Α.
361.25	45.16	1.00	8		
117.22	58.61	100	2 -	Skilled Laborers	
20.08	90.05	3		Labor	
Cincent (c.m.)	inoury reace	No. of House	No. of Ferences	Designation	
Amount (DhD)	Daniela Dala	N - of Haurio	11 Damanla	7	

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

Item No. / Description 506(1) Stone Masonry

Quantify
Unit of Measurement
Output per hour - As Submitted
Output per hour - As Evaluated 101.00 cu.m. 1.60

No. of Houris Houriy Rate Amount (PhP) No. of Houris Houriy Rate Amount (PhP) 1.00 172.00 0.05 2,450.00 0.10 1,537.00 1.00 1,537.00 1.01 1,537.00 1.02 1,537.00 1.03 1,537.00 1.04 1,537.00 1.05 291.12 1.06 1,1442.60 1.06 291.12 1.07 18% of G.1 1.08 10 1,537.00 1.09,112% of G.2 1.09,113% of G.2 1.09,114,11) 5% of (G.2 + H.1 + I.1)	n. n. unit	Sub - Total for B.1 - As Submitted
Hourly Rate Amount (PhP) 172.00 172.00 172.00 1,153.7.00 1,168.60 1,1284.60 2,2450.00 1,168.60 1,168.60 1,168.60 1,168.60 1,168.60 1,168.60 1,168.60 1,168.60 1,168.60 1,168.60 1,168.60 1,168.60 1,168.60 1,168.60 1,168.60 1,168.60 1,169.	n. n. Unit	
Hourly Rate Amount (PhP) 172.00 172.	n. n. Unit	
Hourly Rate Amount (PhP) 17200 17200 17200 165 2,450.00 1,537.00 1,101 Cost Amount (PhP) 1,537.00 1,103 1,537.00 1,108.60 1,108.	n. n. n. Unit	
Hourly Rate Amount (PhP) 172.00 172.00 1.10 1,537.00 1.10 1,537.00 1.10 1,163.60 1,168.60 1,1284.60 1,284.60 1	Unit	
Hourly Rate Amount (PhP) 172.00 105 2,450.00 1,10 1,537.00 101 1,1537.00 1,168.60 1,284.60 0,291.12 1,188.60 0,291.12 1,188.60 0,291.12 1,188.60 0,291.12 1,188.60 0,291.12 1,188.60 0,291.15.33 1,148.60 0,148.60 0,148.60	n. n. unit	
Hourly Rate Amount (PhP) 172.00 155 2,450.00 1,1537.00 1,168.60 1,284.60 0,000 1,168.60 0,000	n. n	
Hourly Rate Amount (PhP) 172.00 172.00 1.55 2.450.00 1.10 1.537.00 1.01 1.537.00 1.10 1.538.00 1.284.60 0.20 1.168.60 1.284.60 0.20 1.168.60 1.1442.50 1.	Unit	
Hourly Rate Amount (PhP) 17200 17200 17200 17200 17200 17200 17200 17200 17200 17200 17200 17200 17200 17200 17200 17200 1720460 1720460 1720460 1720460 1720460 1720460 1720460 1720460 1720460 1720460 1720460 1720460	L Unit	
Hourly Rate Amount (PhP) 172.00 172.00 172.00 1.65 2.450.00 1.537.00 1.168.60 2.91.12 1.100 1.284.60 1.188.60 1.188.60 1.188.60 1.188.60 1.142.60 1.153.33 115.33	L. C. L. Unit	
Hourly Rate Amount (PhP) 172.00 1,1537.00 1,168.60 1,1284.60 1,168.60 1,168.60 1,168.60 1,168.60 1,168.60 1,1442.60 1,	L L Unit	
Hourly Rate Amount (PhP) 172.00 172.00 1,537.00 1,168.60 1,284.60 291.12 1,1533 00 1,168.60 1,168.60 1,1533 015 1,442.60 1,442.60 1	Unit	
Hourly Rate Amount (PhP) 172.00 172.00 1.550 1.188.60 1.284.60 1.168.60 1.284.60 1.168.60 1.284.60 1.	L L Unit	
Hourly Rate Amount (PhP) 172.00 172.00 172.00 105 2,450.00 1,1537.00 1,163.60 1,16	L L Unit	
Hourly Rate Amount (PhP) 172.00 172.00 1.537.00 1.10 1.537.00 1.10 1.537.00 1.168.60 1.204.60 0.00 1.168.60 1.204.60 0.00 1.168.60 1.204.60 0.00 1.168.60 1.204.60 0.00 1.168.60 1.204.60 0.00 1.168.60 1.204.60 0.00 1.168.60 0.00 1.168.60	L Unit	
Hourly Rate Amount (PhP) 172.00 172.00 1,537.00 1,163.700 Unit Cost Amount (PhP) 4,537.00 1,168.60 1,168.60	L Unit	
Hourly Rate Amount (PhP) 172.00 1,537.00 1,10 1,537.00 1,10 1,201 1,201 1,201 1,201 1,201 1,204,60	Unit	
Hourly Rate Amount (PhP) 172.00 1,537.00 1,10 1,537.00 1,10 1,537.00 1,10 1,537.00 1,10 1,537.00 1,10 1,537.00 1,10 1,537.00 1,10 1,537.00 1,10 1,10 1,10 1,10 1,10 1,10 1,10	Unit	
Hourly Rate Amount (PhP) 17200 17200 1,537.00 Unit Cost Amount (PhP)		
Hourly Rate Amount (PhP) 172.00 0.05 2.450.00 1.537.00 Unit Cost Amount (PhP)		
Hourly Rate Amount (PhP) 172.00 172.00 1,537.00 1,537.00		
Hourly Rate Amount (PhP) 172.00 172.00 1,537.00 1,537.00		
Hourly Rate Amount (PhP) 172.00 172.00 1,537.00 1,537.00		
Hourly Rate Amount (PhP) 172.00 1,537.00 1,537.00		
Hourly Rate Amount (PhP) 172.00 172.00 1,537.00 1,537.00		
Hourly Rate Amount (PhP) 172.00 172.00 1,537.00 1,537.00		
Hourly Rate Amount (PhP) 172.00 172.00 1,537.00 1,537.00		
Hourly Rate Amount (PhP) 172.00 2,450.00 1,537.00		
Hourly Rate Amount (PhP) 172.00 172.00 1,537.00 1,537.00		Sub - Total for B.1 - As Submitted Equipment
Hourly Rate Amount (PhP) 172.00 172.00 1,537.00 1,537.00		Sub - Total for B.1 - As Submitted
Hourly Rate Amount (PhP) 172.00 172.00 1,337.00 1,337.00		Minor Loois (10 % of Labor Cost)
Hourly Rate Amount (PhP) 172.00 172.00 1,537.00 1,537.00		
Hourly Rate Amount (PhP) 172.00 172.00 1,537.00		
Hourly Rate Amount (PhP) 172.00 172.00 1,537.00		
Hourly Rate Amount (PhP) 172.00 172.00 1,537.00		
Hourly Rate Amount (PhP) 17200 17200 155 2,450.00 1,537.00		
Hourly Rate Amount (PhP) 172.00 172.00 2,450.00	1	Backhoe
Hourly Rate Amount (PhP)	_	Water Truck/Pump
Hourly Rate Amount (PhP)	1	One Bagger Mixer
Hourly Rate Amount (PhP)		
Hourly Rate Amount (PhP)		Equipment
0.00 0.00 479.41	No. of Unit/s No. of	Name and Capacity
0.00 0.00 479.41	\dagger	
0.00 0.00 479.41		Sub - Total for A.2 - As Evaluated
0.00 0.00 479.47		
0.00 0.00 479.47		
0,00 0,00 479,47		
0.00 0.00 479.47		Labor
0,00		Sub - Total for A.1 - As Submitted
0.00		
1.00 45.16 361.25	8	Laborers
1.00 58.61 117.22	2	Skilled Laborers
1.00 80.95 80.95	-	Const. Foreman
		Labor
No. of Houris Houry Rate Amount (PnP)	NO. OI Personis No. OI I	Designation

Checked/Reviewed by:

JERANO B. BAKRERA

Engineer II

DPWH ROS

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 <u>8</u>

Effective Working Hours ٠. 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 Coarse Aggregates Unit weight of Fine Aggregates 1,640.00 1,534.00 11.57 kg/m3 kg/m3

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

Maximum Volume to be Carried per DT

cu.m.

Speed when loaded 30.00 슑

Speed when unloaded 40.00 호

Loaded running 5.00 5.00 30.00 8 10.00 mins.

Loading and Unloading 5.00 40.00 mins.

Unloaded running

-H

×

8

П

7.50

mins.

Capacity of Dumptruck 10.00 cu.m.

Total Cycle time 22.50 mins.

No. of trips for Dumptruck Э 22.50 × 60,00 Ω 21.33 say 21.33 trips

Using (4) Dumptrucks Dumptruck daily output П П ö 4 × × 213.33 21.33 П 11 213.33 853.33 cu.m. cu.m.

1. No. of days for Dumptrucks 11 1,000.00 853.33 H 1.17 say 1.17 days

EQUIPMENT USED: (2009 ACEL RATES)

Unit Cost Estimated Quantity Unit Dumptruck 1,000.00 cu.m. 10.65 / cu. m./km. (Unit Cost, Hauling per cu.m.per km.) @ P 11,360.00 /day \times Sub - Total 1.17 days 70 4 53,250.00 53,250.00

Labor Equipment Grand Total Materials ₽ ਚ 7 Ъ 53,250.00 53,250.00

ZAMBOANGA DEL NORTE 3rd DEO

	Ave. Hauling Distance		Unit Cost per cu.m./km.		Hauling Cost per cu.m.		Unit Pirce		Unit Cost per cu.m.
Cost of Fine Aggregates:	44.00	×	10.65	II	468.60	÷	816.00	()	1,284.60
Cost of Coarse Aggregates:	44.00	×	10.65	II	468.60	+	700.00	11	1,168.60
Cost of Item 200 Materials:	44.00	×	10.65	II	468.60	+	618.00	II	1,086.60
Cost of Item 201 Materials:	44.00	×	10.65	11	468.60	+	663.00	II	1,131.60
Cost of Item 300 Materials:	44.00	×	10.65	11	468.60	+	775.00	11	1,243.60
Cost of Boulders:	44.00	×	10.65	11	468,60	+	974.00	11	1,442.60
Cost of Embankmen, Common Borrow:	10.00	×	10.65	II	106.50	+	400.00	ļI	506.50
Cost of Embankmen, Selected Borrow:	44.00	×	10.65	II	468.60	+	500.00	II	968.60

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
TAIOI	78,110.00

Quantity = **78,110.00** Bags

Delivery Charge = P 0.120 / bag / km.

##:00	PROJECT SITE
200	Zamboanga del Norte 3rd DEO
HAULING DISTANCE	SITE

^{*}Average hauling distance from Source to assumed Stockpiling area :

say 44.00 km.

Delivery Charge = P 0.120 x 44.00 = P 5.28 / bag

*Delivery Truck

78,110.00 bags., (hauling works)

20,000.00 kgs., (capacity per haul)

500.00 bags, (capacity per haul)

Q

*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

Speed when loaded 30,00 핥

Speed when unloaded 40.00 Š

Loaded running 44.00 8 Ш 88.00 mins.

Unfoaded running 44.00 30.00 × 8 П 66.00 mins.

40.00

Loading and Unloading 45.00 mins.

.. .. 8.00

Capacity of Dumptruck cu.m.

Total Cycle time 199.00 500.00 mins. bags

No. of trips for Dumptruck per day 8.0 199.00 × 60.00 il 2.41 say 2.41

킁

Using (4) Dumptrucks Dumptruck daily output П 11 500 ₽ x 1206.03 × 2.41 11 Ш 4,824.12 cu.m. 1,206.03 cu,m.

No. of days for Delivery Truck 11 78,110.00 4,824.12 If 16.19 say 16.19

days

No. of days for Labor, for unloading П complimentary to D. Truck days 11 16.19 days

DELIVERY COST:

Й

78,110.00 - Bags, Portland Cement

5.28 / bag

<u>@</u>Р

II P 412,420.80

Sub - Total

~ 412,420.80

LABOR:

0 Laborers, unloading - Foreman @ P @ P 342.24 /day 611.92 /day \times 16.19

× 16.19 days days П ٥ U 55,413.97 9,907.93

Sub - Total

70

65,321.90

MATERIALS:

78,110.00 - Bags, Portland Cement

(Pick-Up Price)

Ф Р 285.00

/ bag

Sub - Total

7

22,261,350.00

ΙΙ 22,261,350.00

Estimated Quantity 78,110.00 Bags

Unit Cost ╼ 291.12 / Bag, say ┰ 291.12 / Bag

Materials **Delivery Cost** Grand Total 70 70 ਚ ₽ 22,261,350.00 22,739,092.70 412,420.80 65,321.90