PROGRAM OF WORK/BUDGET COST

Project	ı	Construction/Maintenance of Flood Mitigation Facilities within major River Basins and Pricipal Rivers Construction of Flood Control Structure, Salug Daku Flood Control, Mahayag, Zamboanga del Sur	Net Length	:	(a) Others (b) Road		608.00 ln.m	FORM POW-2015-01-00 0.61 km	
Project ID	:				(c) Brgd				73-
			Target Start Date	:					
ocation.	:	Zamboanga del Sur	Total Project Duration	:	·-	252	Calendar Days		
Station Limits		1+540.00 - 2+092.24; 2+092.242+148.00	No. of Pre-determined	:	-	56	Calendar Days		
Source of Funds	:	CY-2019	Unworkable Days	:	=	28	Calendar Days		
					(17				

	DESCRIPTION OF WORKS TO BE DONE	QUANTITY	UNIT		AS SUBMITTED	AS EVALUATED		
	****	Quantizi		% TOTAL	TOTAL DIRECT COST	% TOTAL	TOTAL DIRECT COST	
	A: Facilities for the Engineers			1.68%	1,341,668.48			
	er General Requirements			1.00%	793,714.95	-		
C: Earti	hworks			2.39%	1,904,183.21			
D: Subb	pase and Base Course			1.38%	1,099,761.43			
E: Surfa	ace Courses			0.00%				
F: Bridg	ge Construction			41.60%	33,146,106.30			
G: Drair	nage and Slope Protection Structures			51.94%	41,383,283.22			
H: Miso	ellaneous Structure			0.00%				
I: Provi	isional Sum		*****	0.00%				
J: Dayv	vork			0.00%				

EQUIPMENT:

DESCRIPTION	REQUIRED
(PLS. SEE FORM POW	-2015-01B-00)

BREAKDOWN OF EXPENDITURES:

	AS SUBMITTED	AS EVALUATED
1. Labor	5,562,370.29	
2. Materials	62,558,926.34	
3. Rental of Equipment	11,547,420.96	
4. Provisional Sum/Daywork	-	
5. OCM and Profit	14,074,139.55	
6. Value Added Tax	4,687,142.86	
7. EAO, 3.5%	3,570,000.00	
8. RROW Acquisition	0.00	
9. Physical Reseved (Contigency)		
10. TOTAL ESTIMATED COST	102,000,000.00	

	AS SUBMITTED	AS EVALUATED
A. Total Direct Cost	79,668,717.60	
B. OCM and Profit	14,074,139.55	
C. Value Added Tax	4,687,142.86	
D. Total Construction Cost	-	
E. Eng'g. & Administrative Overhead	3,570,000.00	
F. RROW Acquisition	0.00	
G. Physical Reserved (Contingency)		

H. TOTAL ESTIMATED COST	102,000,000.00	

reparation	and	Subn	nissio	n:

JERALD R. BARRERA

Engineer II

DPWH RO9

Prepared by:

Checked/Submiretd by:

ISIDRA A. ESTANISLAO

Engineer IV DPWH RO9 **Evaluation:**

Reviewed by:

mon

SATURNING C. TORREFRANCA

District Engineer

DPWH RO9

Approval:

Recommending Approva

KHADAFFT D. TANGGOL

OIC-Assistant Regional Director

DPWH ROS

Approved:

CAYAMON BAO D. DIX

Regional Director DPV/H RO9





FORM POW-2015-01A-00

PART A Facilities for the Engineers 1.00 is 487,015.63 487,015.63 487,015.63 603,412.37 A.1.1 (3) Const. of Field Office for the Engineer 1.00 is 353,882.69 353,882.69 371,576.82 A.1.2 (5) Operation & Maintenance of Gov't. Service Vehicles 1.00 is 500,770.16 500,770.16 525,808.67 TOTAL OF PART A 1,341,668.48 1,341,668.48 1,341,668.48 1,341,668.48 PART B Other General Requirements 1,341,668.48 57,967.35 84,211.55 B.4(1) Construction Survey and Staking 0.61 km 41,324.15 67,967.35 84,211.55 B.5 Project Billboard 4.00 unit 9,751.33 2,437.83 3,020.47 B.7 Occupational Safety & Health Program 1.00 is 266,037.48 266,037.48 301,686.50 B.9 Mobilization & Demobilization 1.00 is 476,602.00 476,602.00 500,432.10	COST ALUATED AS EVALUATED 0.61% 0.44% 0.63% 1.68% 0.05% 0.01% 0.33%
AS SUBMITTED AS EVALUATED AS EVALUATED AS SUBMITTED AS EVALUATED AS E	0.61% 0.44% 0.63% 1.68% 0.05% 0.01% 0.33%
PART A Facilities for the Engineers 1.00 is 487,015.63 487,015.63 487,015.63 603,412.37 A.1.1 (3) Const. of Field Office for the Enigneer 1.00 is 353,882.69 353,882.69 371,576.82 A.1.2 (5) Operation & Maintenance of Gov't. Service Vehicles 1.00 is 500,770.16 500,770.16 525,808.67 TOTAL OF PART A 1,341,668.48 1,341,668.48 1,341,668.48 1,341,668.48 PART B Other General Requirements 1,341,668.48 57,967.35 84,211.55 B.4(1) Construction Survey and Staking 0.61 km 41,324.15 67,967.35 84,211.55 B.5 Project Billboard 4.00 unit 9,751.33 2,437.83 3,020.47 B.7 Occupational Safety & Health Program 1.00 Is 266,037.48 266,037.48 301,686.50 B.9 Mobilization & Demobilization 1.00 Is 476,602.00 476,602.00 500,432.10	0.61% 0.44% 0.63% 1.68% 0.05% 0.01% 0.33%
A.1.1 (3) Const. of Field Office for the Enigneer 1.00 is 487,015.63 487,015.63 603,412.37 A.1.1 (11) Prov. Of Furniture, Equipment, & Appliance for Field Engineer 1.00 is 353,882.69 353,882.69 371,576.82 A.1.2 (5) Operation & Maintenance of Gov't. Service Vehicles 1.00 is 500,770.16 500,770.16 525,808.67 TOTAL OF PART A 1,341,668.48 PART B Other General Requirements IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	0.44% 0.63% 1.68% 0.05% 0.01% 0.33%
A.1.1 (11) Prov. Of Furniture, Equipment, & Appliance for Field Engineer 1.00 Is 353,882.69 353,882.69 371,576.82 A.1.2 (5) Operation & Maintenance of Gov't. Service Vehicles 1.00 Is 500,770.16 500,770.16 525,808.67 TOTAL OF PART A 1,341,668.48 PART B Other General Requirements B.4(1) Construction Survey and Staking 0.61 km 41,324.15 67,967.35 84,211.55 B.5 Project Billboard 4.00 unit 9,751.33 2,437.83 3,020.47 B.7 Occupational Safety & Health Program 1.00 Is 266,037.48 266,037.48 301,686.50 B.9 Mobilization & Demobilization 1.00 Is 476,602.00 476,602.00 500,432.10	0.44% 0.63% 1.68% 0.05% 0.01% 0.33%
A.1.2 (5) Operation & Maintenance of Gov't. Service Vehicles TOTAL OF PART A PART B Other General Requirements B.4(1) Construction Survey and Staking B.5 Project Billboard Description & Health Program Descripti	0.63% 1.68% 0.05% 0.01% 0.33%
TOTAL OF PART A 1,341,668.48	0.05% 0.01% 0.33%
PART B Other General Requirements	0.05% 0.01% 0.33%
B.4(1) Construction Survey and Staking 0.61 km 41,324.15 67,967.35 84,211.55 B.5 Project Billboard 4.00 unit 9,751.33 2,437.83 3,020.47 B.7 Occupational Safety & Health Program 1.00 Is 266,037.48 266,037.48 301,686.50 B.9 Mobilization & Demobilization 1.00 Is 476,602.00 476,602.00 500,432.10	0.01% 0.33%
B.5 Project Billboard 4.00 unit 9,751.33 2,437.83 3,020.47 B.7 Occupational Safety & Health Program 1.00 Is 266,037.48 266,037.48 301,686.50 B.9 Mobilization & Demobilization 1.00 Is 476,602.00 476,602.00 500,432.10	0.01% 0.33%
B.7 Occupational Safety & Health Program 1.00 Is 266,037.48 266,037.48 301,686.50 B.9 Mobilization & Demobilization 1.00 Is 476,602.00 476,602.00 500,432.10	0.33%
B.9 Mobilization & Demobilization 1.00 Is 476,602.00 476,602.00 500,432.10	
B.9 Mobilization & Demonitzation	
	0.60%
TOTAL OF PART B 793,714.95	1.00%
PART C Earthworks	
1702(1) Structure Excavation 5,087.00 Cu.m 812,664.02 159.75 197.93	1.02%
104(Za) Embankment from Borrow 1,885.00 Cu.m 1,091,519.19 579.06 717.45	1.37%
TOTAL OF PART C 1,904,183.21	2.39%
PART D Subbase and Base Course	
200(1) Aggregate Subbase Course 839.00 cu.m 1,099,761.43 1,310.80 1,624.08	1.38%
TOTAL OF PART D 1,099,761.43	1.38%
PART F Bridge Construction	
1716(6) Structural Steel Sheet Piles, Furnished 9,120.00 m 22,762,067.05 2,495.84 3,092.35	28,57%
1716(16) Steel Sheet Tests Piles, Furnished and Driven 12.00 m 21,905.85 1,825.49 2,261.78	0.03%
1716(12) Structural Steel Sheet Piles, Driven 9,120.00 m 10,362,133.40 1,136.20 1,407.75	13.01%
TOTAL OF PART F 33,146,106.30	41.60%
PART G Drainage and Slope Protection Structures	
404(1)a Reinforcing Steel (Grade 40) 38,541.00 kg 1,903,308.48 49.38 6119	2.39%
404(1)b Reinforcing Steel (Grade 60) 8,635.00 kg 444,564.28 51.48 63.79	0.56%
405(1)a3 Structural Concrete, fc'=27.58 Mpa 1,569.00 cu.m 10,829,581.20 6,902.28 8,551.93	13.59%
1710(5) Grouted Riprap, Class "A" 1,609.00 cu.m 5,139,520.77 3,194.23 3,957.65	6.45%
508 (1) Handlaid Rock Embankment 13,929.00 cu.m 23,066,208.49 1,655.98 2,051.76	28,95%
TOTAL OF PART G 41,383,283.22	51.94%
GRAND TOTAL 79,668,717.60	100.00%

TOTAL



SUB-TOTAL

Zamboanga del Sur

FORM POW-2015-01B-00

MINIMUM EQUIPMENT REQUIREMENT												
No.	Equipment Description	Capacity	Number of Equipment	No.	Equipment Description	Capacity	Number o Equipmen					
1	Dumptruck (10 Wheeler)	12 cu. Yd	6	26								
2	Builduzer		2	27								
3	Backhoe	0.83 cu.m/1.04 cu. Yd	2	28								
4	Road Grader		2	29								
5	Road Roller	10 mt	2	30								
6	Payloader	1.50 cu.m/1.95 cu.yd	2	31								
7	Water Truck/Pump	16000L	2	32								
8	Water Tank		2	33								
9	Transit Mixer	5-6 cu. Yd	2	34								
10	Portable Screed		1	35								
11	Concrete Vibrator		2	36								
12	Concrete Cutter		2	37								
13	Bar Cutter		1	38								
14	Bar Bender		1	39								
15	Cobcrete Mixer	4-6 cu.ft/min	2	40								
16	Plate Compactor		1	41								
17	Truck Mounted Crane		1	42								
18	Vibro Hammer		1	43								
19	Generator Set		1	44								
20				45								
21				46								
22				47								
23				48								
24				49								
25				50								

SUB-TOTAL



Construction/Maintenance of Flood Mitigation Facilities within major River Basins and Pricipal Rivers Construction of Flood Control Structure, Salug Daku Flood Control, Mahayag, Zamboanga del Sur

FORM POW-2015-01C-00

					IIE	MIZED BREAKDO	PUN		-				
							DETAILED BR	EAKDOWN OF C	OMPONENT CO	ST FOR EA	CH ITEM		
ITEM NO.	DESCRIPTION				T		DIREC	T COST		TOT	L MARK-UP		
ļ		96	QTY	UNIT	MATERIAL	LABOR	EQUIPMENT	TOTAL	%	VALUE	5% VAT	TOTAL COST	
PART A	Facilities for the Engineers		<u> </u>	<u> </u>									
		AS EVALUATED	***************************************	[,	
A.1.1 (3)	Const. of Field Office for the Enigneer	AS SUBMITTED	0.61%	1.00	ls	400,000.00	56,283.30	30,732.33	487,015.63	18.00%	87,662.81	28,733.92	603,412.37
		AS EVALUATED											· · · · · · · · ·
A.1.1 (11)	Prov. Of Furniture, Equipment, & Appliance for Field Engineer	AS SUBMITTED	0.44%	1.00	ls	353,882.69	_	-	353,882.69	0.00%	*	17,694.13	371,576.82
A 1 2 (C)		AS EVALUATED											
A.1.2 (5)	Operation & Maintenance of Gov't, Service Vehicles	AS SUBMITTED	0.63%	1.00	ls	422,000.00	78,770.16	~	500,770.16	0.00%	-	25,038.51	525,808.67
	TOTAL OF BART	AS EVALUATED											
	TOTAL OF PART A	AS SUBMITTED	1.68%			1,175,882.69	135,053,46	30,732.33	1,341,668.48		87,662.81	71,466.56	1,500,797.86
PART B	Other General Requirements												
B 4/1)	Combacking Command Children	AS EVALUATED											
B.4(1)	Construction Survey and Staking	AS SUBMITTED	0.05%	0.61	km	12,180.00	26,444.15	2,700.00	41,324.15	18.00%	7,438.35	2,438.12	51,200.62
8.5	Duningt Dillhound	AS EVALUATED											
6.5	Project Billboard	AS SUBMITTED	0.01%	4.00	unit	8,597.40	1,153.93	-	9,751.33	18.00%	1,755.24	575.33	12,081.89
8.7	Occupational Cafety & Health Descript	AS EVALUATED											
0.7	Occupational Safety & Health Program	AS SUBMITTED	0.33%	1.00	ls	12,360.00	253,677.48	-	266,037.48	8.00%	21,283.00	14,366.02	301,686.50
B.9	Mobilization & Demobilization	AS EVALUATED											
5.5	Propingation of Demobilization	AS SUBMITTED	0.60%	1.00	ls	-	-	476,602.00	476,602.00	0.00%	_	23,830.10	500,432.10
	TOTAL OF PART B	AS EVALUATED											
		AS SUBMITTED	1.00%			33,137.40	281,275.55	479,302.00	793,714.95		30,476.58	41,209.58	865,401.11
PART C	Earthworks					TO COMPANY							
1702(1)	Structure Excavation	AS EVALUATED				Poleston				:			
***************************************		AS SUBMITTED	1.02%	5,087.00	cu.m	-	55,046.43	757,617.59	812,664.02	18.00%	146,279.52	47,947.18	1,006,890.72
104/2a)	Embankment from Borrow	AS EVALUATED											
20 ((20)	Carolitation Fort Dollors	AS SUBMITTED	1.37%	1,885.00	cu.m	910,455.00	6,456.64	174,607.55	1,091,519.19	18.00%	196,473.45	64,399.63	1,352,392.28
[TOTAL OF PART C	AS EVALUATED											
	/- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	AS SUBMITTED	2.39%			910,455.00	61,503.07	932,225.14	1,904,183.21		342,752.98	112,346.81	2,359,283.00
PART D	Subbase and Base Course					o							
200(1)	l Aggregate Subbase Course	AS EVALUATED											
		AS SUBMITTED	1.38%	839.00	carw	1,019,171.06	2,873.81	77,716.57	1,099,761.43	18.00%	197,957.06	64,885.92	1,362,604.41
	TOTAL OF PART D	AS EVALUATED				-							
		AS SUBMITTED	1.38%			1,019,171.06	2,873.81	77,716.57	1,099,761.43		197,957.06	64,885.92	1,362,604.41
PART F	Bridge Construction			 .									
1716(6)	Structural Steel Sheet Piles, Furnished	AS EVALUATED											
ļ	*	AS SUBMITTED	28.57%	9,120.00	m	22,325,760.00	36,540.96	399,766.10	22,762,067.05	18.00%	4,097,172.07	1,342,961.96	28,202,201.08
1716(16)	Steel Sheet Tests Piles, Furnished and Driven	AS EVALUATED											***************************************
	•	AS SUBMITTED	9650,0	12.00	m	3,876.21	3,517.71	14,511.93	21,905.85	18.00%	3,943.05	1,292.45	27,141.35

1716(11)	Structural Steel Sheet Piles, Driven	AS EVALUATED										· · · · · · · · · · · · · · · · · · ·	
1710(12)	Success a seed thes, priver	AS SUBMITTED	13.01%	9,120.00	m	802.98, تدر1	641,629.62	8,185,700.80	10,362,133.40	18.00%	1,865,184.01	611,365.87	12,838,683.28
	TOTAL OF PART F	AS EVALUATED											
	IOIAL OF FARE F	AS SUBMITTED	41.60%			23,864,439.19	681,688.28	8,599,978.83	33,146,106.30		5,966,299.13	1,955,620.27	41,068,025.71
PART G	Drainage and Slope Protection Structures												
404(1)a	Reinforcing Steel (Grade 40)	AS EVALUATED											
10 1(1)0		AS SUBMITTED	2.39%	38,541.00	kg	1,683,470.88	119,780.88	100,056.72	1,903,308.48	18.00%	342,595.53	112,295.20	2,358,199.20
404(1)b	Reinforcing Steel (Grade 60)	AS EVALUATED											-
101(1/10		AS SUBMITTED	0.56%	8,635.00	kg	395,310.30	26,836.56	22,417.42	444,564.28	18.00%	80,021.57	26,229.29	550,815.14
405(1) ₂ 3	Structural Concrete, fc'=27.58 Mpa	AS EVALUATED											
.05(1)20		AS SUBMITTED	13.59%	1,569.00	CU.m	8,810,503.82	1,380,546.99	638,630.39	10,829,681.20	18.00%	1,949,342.62	638,951.19	13,417,975.00
1710(5)	Grouted Riprap, Class "A"	AS EVALUATED											
2. 20(0)	Carolina in the carolina in th	AS SUBMITTED	6.45%	1,609.00	cu.m	4,025,658.42	667,983.59	445,878.76	5,139,520.77	18.00%	925,113.74	303,231.73	6,367,866.24
508 (1)	Handlaid Rock Embankment	AS EVALUATED											
300 (1)		AS SUBMITTED	28.95%	13,929.00	ar.w	20,640,897.59	2,204,828.10	220,482.81	23,066,206.49	18.00%	4,151,917.53	1,360,906.30	28,579,03232
	TOTAL OF PART G	AS EVALUATED											
	PORTION FARE G	AS SUBMITTED	51.94%			35,555,841.01	4,399,976.11	1,427,466.09	41,383,283.22		7,448,990.98	2,441,613.71	51,273,887.91
	GRAND TOTAL	AS EVALUATED											
	Skaw Ioial	AS SUBMITTED	100.00%			62,558,926.34	5,562,370.29	11,547,420.96	79,668,717.60		14,074,139.55	4,687,142.86	98,430,000.00

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Construction/Maintenance of Flood Mitigation Facilities within major River Basins and Pricipal Rivers Construction of Flood Control Structure, Salug Daku Flood Control, Mahayag, Zamboanga del Sur

Zamboanga del Sur

SUMMARY OF APPROVED BUDGET FOR THE CONTRACT

FORM POW-2015-02-00

		- AND	COTTANTED DEDECT COCT	1	OTAL MARK-UP	VAT	TOTAL INDIRECT COST	TOTAL COST
	DESCRIPTION OF WORKS TO BE D	PUNE	ESTIMATED DIRECT COST	%	TOTAL DIRECT COST	YAI	TOTAL INDIRECT COST	TOTAL COST
DADEA	F	AS EVALUATED						
PART A	Facilities for the Engineers	AS SUBMITTED	1,341,668.48		87,662.81	71,466.56	159,129.38	1,500,797.86
PART B		AS EVALUATED						
	Other General Requirements	AS SUBMITTED	793,714.95		30,476.58	41,209.58	71,686.16	865,401.11
		AS EVALUATED						
PART C	Earthworks	AS SUBMITTED	1,904,183.21		342,752.98	112,346.81	455,099.79	2,359,283.00
		AS EVALUATED						
PART D	Subbase and Base Course	AS SUBMITTED	1,099,761.43		197,957.06	64,885.92	262,842.98	1,362,604.41
		AS EVALUATED						
PART F	Bridge Construction	AS SUBMITTED	33,146,106.30		5,966,299.13	1,955,620.27	7,921,919.41	41,068,025.71
		AS EVALUATED						
PART G	Drainage and Slope Protection Structures	AS SUBMITTED	41,383,283.22		7,448,990.98	2,441,613.71	9,890,604.69	51,273,887.91
		AS EVALUATED						
	TOTAL AS SUBMITTED		79,668,717.60		14,074,139.55	4,687,142.86	18,761,282.40	98,430,000.00

Preparation and Submission:

Prepared by:

Checked/Submiletd by:

Evaluation:

Reviewed by:

Approval:

Recommending Approval

Approved:

JERALD R. BARRERA

Engineer II

DPWH ROS

ISIDRA A. ESTANISLAO

Engineer IV

DPWH RO9

SATURNINO C. TORREFRANCA

Bistrict Engineer

DPWH RO9

KHADAFFY D. TANGGOL

OIC-Assistant Regional Director

DPWH RO9

CAYAMONBAO D. DIA Regional Director

DPWH RO9



Construction/Maintenance of Flood Mitigation Facilities within major River Basins and Pricipal Rivers Construction of Flood Control Structure, Salug Daku Flood Control, Mahayag, Zamboanga del Sur

FORM POW-2015-02A-00

ITEM NO.	DESCRIPTION	QTY	UNIT	ESTEMATED DIRECT COST	T	OTAL MARK-UP	VAT	TOTAL INDIRECT COST	TOTAL COST	UNIT COST	
			•			96 VALUE					
PARTA	Facilities for the Engineers			78.86.869					general energy		
		AS EVALUATED									
A.1.1 (3)	Const. of Field Office for the Enigneer	AS SUBMITTED	1,00	İs	487,015,63	18.00%	87,662.81	28,733.92	116,396.74	603,412.37	603,412.37
		AS EVALUATED									
A.1.1 (11)	Prov. Of Furniture, Equipment, & Appliance for Field Engineer	AS SUBMITTED	1.00	ls	353,882.69	0.00%	-	17,694.13	17,694.13	371,576.82	371,576.82
		AS EVALUATED									
A.1.2 (5)	Operation & Maintenance of Gov't. Service Vehicles	AS SUBMITTED	1.00	ls	500,770.16	0.00%	-	25,038.51	25,038.51	525,808.67	525,808.67
		AS EVALUATED									
	TOTAL OF PART A	AS SUBMITTED			1,341,668.48		87,662,81	71,456.56	159,129.38	1,500,797.86	
PART B	Other General Requirements	237/25/20									
2 4/4		AS EVALUATED									
B.4(1)	Construction Survey and Staking	AS SUBMITTED	0.61	km	41,324.15	18,00%	7,438.35	2,438.12	9,876.47	51,200.62	84,211.55
	D. C. J. D.W.	AS EVALUATED									
B.5	Project Billboard	AS SUBMITTED	4.00	unit	9,751.33	18.00%	1,755.24	575.33	2,330.57	12,081.89	3,020.47
5.7	a di al Suffer de Linda Barrara	AS EVALUATED				<u> </u>					
B.7	Occupational Safety & Health Program	AS SUBMITTED	1.00	ls	266,037.48	8.00%	21,283.00	14,366.02	35,649.02	301,686.50	301,686.50
	No. Live and the control of the cont	AS EVALUATED				ļ					
B.9	Mobilization & Demobilization	AS SUBMITTED	1.00	ls	476,602.00	0.00%	-	23,830.10	23,830.10	500,432.10	500,432.10
	TOTAL OF PART B	AS EVALUATED			-	<u> </u>					
	TOTAL OF PART 5	AS SUBMITTED			793,714.95		30,476.58	41,209.58	71,686.16	865,401.11	
PART C	Earthworks			\$1500E60							
1702/1)	Charletone Everynthing	AS EVALUATED									
1702(1)	Structure Excavation	AS SUBMITTED	5,087.00	cu.m	812,664.02	18,00%	146,279.52	47,947.18	194,226.70	1,006,890.72	197.93
104(2a)	Embankment from Borrow	AS EVALUATED									747.45
10-(25)	CHRAINSHEIG FOR DOLLOW	AS SUBMITTED	1,885.00	cu.m	1,091,519.19	18.00%	196,473.45	64,399.63	260,873.09	1,352,392.28	717.45
	TOTAL OF PART C	AS EVALUATED			-				<u> </u>		
	IVIAL OF TAXES	AS SUBMITTED			1,904,183.21		342,752.98	112,346.81	455,099.79	2,359,283.00	e al
PART D	Subbase and Base Course		Contentativités			10.8480.65c					
200(1)	Aggregate Subbase Course	AS EVALUATED									
200(1)	Aggregate subcase codise	AS SUBMITTED	839,00	cu.m	1,099,761.43	18.00%	197,957.06	64,885.92	262,842.98	1,362,604.41	1,624.08
	TOTAL OF PART D	AS EVALUATED			-						
		AS SUBMITTED			1,099,761.43		197,957.06	64,885.92	262,842.98	1,362,604.41	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
PART F	Bridge Construction										
1716(6)	Structural Steel Sheet Piles, Furnished	AS EVALUATED				ļ				00.000.00	2.002.25
1,10(0)	Secretary occursions () the contraction	AS SUBMITTED	9,120.00	m	22,762,067.05	18,00%	4,097,172.07	1,342,951.96	5,440,134.03	28,202,201,08	3,092.35
1716(16)	Steel Sheet Tests Piles, Furnished and Driven	AS EVALUATED							F 077 75	77 4 A 8 B P	2 261 70
2120(40)	Parent Battana 1 and 1 acres 2 acres 2 acres 2017	AS SUBMITTED	12.00	m	21,905.85	18.00%	3,943.05	1,292,45	5,235.50	27,141,35	2,261.78

		T									
1716(12)	Structural Steel Sheet Piles, Driven	AS EVALUATED									
	,	AS SUBMITTED	9,120.00	m	10,362,133.40	18.00%	1,865,184.01	611,365.87	2,476,549.88	12,838,683.28	1,407.75
		AS EVALUATED			n =						
	TOTAL OF PART F	AS SUBMITTED			33,146,106.30		5,966,299.13	1,955,620.27	7,921,919.41	41,068,025.71	
PART G	Drainage and Slope Protection Structures										
40.4(4)	D : C C (C	AS EVALUATED									
404(1)a	Reinforcing Steel (Grade 40)	AS SUBMITTED	38,541.00	kg	1,903,308.48	18.00%	342,595.53	112,295.20	454,890.73	2,358,199.20	61.19
		AS EVALUATED									
404(1)b	Reinforcing Steel (Grade 60)	AS SUBMITTED	8,635.00	kg	444,564.28	18.00%	80,021.57	26,229.29	106,250.86	550,815.14	63.79
		AS EVALUATED									
405(1)a3	Structural Concrete, fc'=27.58 Mpa	AS SUBMITTED	1,569.00	cu.m	10,829,681.20	18.00%	1,949,342.62	638,951.19	2,588,293.81	13,417,975.00	8,551.93
		AS EVALUATED									
1710(5)	Grouted Riprap, Class "A"	AS SUBMITTED	1,609.00	cu.m	5,139,520.77	18.00%	925,113.74	303,231.73	1,228,345.46	6,367,866.24	3,957.65
		AS EVALUATED									
508 (1)	Handlaid Rock Embankment	AS SUBMITTED	13,929.00	cu.m	23,066,208.49	18.00%	4,151,917.53	1,360,906.30	5,512,823.83	28,579,032.32	2,051.76
		AS EVALUATED			•						
	TOTAL OF PART G	AS SUBMITTED			41,383,283.22		7,448,990.98	2,441,613.71	9,890,604.69	51,273,887.91	
		AS EVALUATED			-						
	GRAND TOTAL	AS SUBMITTED			79,668,717.60		14,074,139.55	4,687,142.86	18,761,282.40	98,430,000.00	

98,430,000.00

Preparation and Submission:

Prepared by:

JERALD R. BARRERA

Engineer II DPWH R09 Checked/Submiletd by:

TEIDDA A FETANISI AC

Engineer IV DPWH RO9 Evaluation: Reviewed by:

SATURNINO C. TORREFRANCA

District Engineer

DPWH RO9

Item No./Description Const. of Field Office for the Enigneer

1.00 ls 1.00

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

K.1	J.2	J.1	1.2	7	H.2	H	G 2	G.1		7.2	1			F			E.2	E.1	D.2	D,1	C2	13		В.2	3					B.1				A.2					-	<u> </u>	<u> </u>	
Total Unit Cost - As Submitted Total Unit Cost - As Evaluated	Value Added Tax - As Evaluated	Value Added Tax - As Submitted	Contractor's Profit - As Evaluated	Contractor's Profit - 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			Equipment	Sub-Total for F-1 As Submitted	a. Materials	Materials	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.2+B.2) - As Evaluated	Total (A.1+B.1) - As Submitted	Sub-Total for B-2 As Evaluated			Equipment	Sub-Total for B-1 As Submitted	Minor Tools (10% of Labor Cost)	b. Water Truck	a. One Bagger Mixer	Equipment	Name and Capacity	Sub-Total for A-2 As Evaluated		Labor	Sub-Total for A-1 As Submitted	d. Laborers	c. Carpenters	b. Masons	a. Construction Foreman	Labor	Designation
				indicada	duated	mitted								lumpsum		Unit													1	ь		No. of Units					6	ω	3	1		No. of Person/s
														1		Quantity													8	32		No. of Hour/s					80	80	80	80		No. of Hour/s
(G.1+H1+I1+J1) (G.2+H2+I2+J1)	5% of (G.2+H2+I2)	5% of (G.1+H1+I1)	10%/8% of G.1	10%/8% of G 1	12%/9%/7%/6% of G.1	12%/9%/7%/6% of G.1								400,000.00		Unit Cost													2,450.00	172.00		Hourly Rate					45.16	58.61	58.61	80.95		Hourly Rate
565,335.01	4	26,920.71	20/202:00	99 605 98	170	45.628.33	/	456.283.30					400,000.00	400,000.00		Amount (Php.)	ı	56,283.30	1	1.00	00/100.00	56.283.30					30,732.33	5,628.33	19,600.00	5,504.00		Amount (Php.)				56,283.30	21,675.00	14,066.10	14,066.10	6,476.10		Amount (Php.)

Prepared by:

JERALD R. BARRERA
Engineer II

ISIDRA A. ESTANISLAO
Engineer IV

Checked/Reviewed

najor River Basina and Pricipal Rivers Construction of Flood Control Structure, Zamboanga del Sur

aku Flood Control, Mahayag, Zamboanga del Sur

FORM-POW-2015-01D-00

Item No./Description Prov. Of Furniture, Equipment, & Appliance for Field Engineer

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

K.1 1				I.1 C	H.2 C			G.1 [(A)	7.2	, ,	lm	ωl I	اماء 1.		E.2				C.2 T		ای	В.2	T _F		ωI I	B.1	mi		(A)	-	» »	T	(n)	 A.1	-	
Total Unit Cost - As Submitted Total Unit Cost - As Evaluated	Value Added Tax - As Evaluated	Value Added Tax - As Submitted	Contractor's Profit - As Evaluated	Contractor's Profit - 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			Equipment	Sub-Total for F-1 As Submitted	a. Office Equipment/Facilities & Supplies	Name and Specification	Direct Offic 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.2+B.2) - As Evaluated	Total (A.1+B.1) - As Submitted	Sub-Total for B-2 As Evaluated		Equipment	in ilment	Sub-Total for B-1 As Submitted		Equipment	Name and Capacity	Sub-Total for A-2 As Evaluated			Labor	Sub-Total for A-1 As Submitted		Labor	Designation
					uated	nitted								lumpsum	Unlt														No. of Units								No. of Person/s
														1	Quantity														No. of Hour/s								No. of Hour/s
(G.1+H1+I1+J1) (G.2+H2+I2+J1)	5% of (G.2+H2+I2)	5% of (G.1+H1+I1)	10%/8% of G.1	10%/8% of G.1	12%/9%/7%/6% of G.1	12%/9%/7%/6% of G.1								353,882.69	Unit Cost														Hourly Rate								Hourly Rate
371,576.82	î	17,694.13		1		ī		353,882.69					353,882.69	353,882.69	Amount (Php.)				1.00	1									Amount (Php.)					t			Amount (Php.)

Prepared by:

JERALD R. BARRERA Engineer II

Checked/Reviewed

vajor River Basins and Pricipal Rivers Construction of Flood Control Structure, Zamboanga del Sur

aku Flood Control, Mahayag, Zamboanga del Sur

FORM-POW-2015-01D-00

Item No./Description Operation & Maintenance of Gov't. Service Vehicles

1.00 ls 1.00

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

	(G.1+H1+I1+J1) (G.2+H2+I2+J1)			Total Unit Cost - As Submitted Total Unit Cost - As Evaluated	2 2
	5% of (G.2+H2+I2)			Value Added Tax - As Evaluated	1,2
25,038.51	5% of (G.1+H1+I1)			Value Added Tax - As Submitted	
	10%/8% of G.1			Contractor's Profit - As Evaluated	1.2
	10%/8% of G.1			Contractor's Profit - As Submitted	
	12%/9%/7%/6% of G.1		luated	Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated	H.2
	12%/9%/7%/6% of G.1		mitted	Overhead, Contingencies & Miscellaneous (OCM) - As Submitted	H.1
1				Direct Unit Cost (E.2+F.2) - As Evaluated	G.2
500,770.16				Direct Unit Cost (E.1+F.1) - As Submitted	G.1
				Sub-Total for F-2 As Evaluated	į
					F.2
77L				Equipment	
422 000 00				Sub-Total for F-1 As Submitted	
100,000.00	100,000.00	1.00	ls	d. Spareparts etc.	
40,000.00	10,000.00	4.00	pcs	c. Tires	
30,000.00	30,000.00	1.00	S	b. Engine Oil & Lubricants	F.1
252,000.00	50.00	5,040.00	ltrs	a. Diesel Fuel	
Amount (Php.)	Unit Cost	Quantity	Unit	Name and Specification	
				CHARLES OF COLL COLL COLL COLL COLL COLL COLL C	
70,770.10				Direct Unit Cost (C.2 +D.2) - As Evaluated	
70				Direct I Init Cost (C 1 +D 1) - As Submitted	
				Output per Hour - As Evaluated	_
				Output per Hour - As Submitted	0.2
/8,770.16				Total (A.1+6.1) - As Submitted	
				Total (A 1+B 1) As Evaluated	2
				Sub Total for B 2 As Explicated	
					В.2
				Equipment	
				Sub-Total for B-1 As Submitted	
					B.1
				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	
78,770.16				Sub-Total for A-1 As Submitted	
78,770.16	58.61	1344	1	a. Service Driver	A.1
				Labor	
Amount (Php.)	Hourly Rate	No. of Hour/s	No. of Person/s	Designation	

Prepared by:

JERALD R. BARRBRA Engineer II

Checked/Reviewed

Zamboanga del Sur DETAILED UNIT PRICE ANALYSIS

Item No./Description .. Construction Survey and Staking

Unit of Measurement Output per hour-As Submitted Output per hour-As Evaluated 0.61 km 1.00

2 2	3.2	3.1	1.2	1.1	н.2	H.1	G.2	G.1		1.7	1				F,1			E.2	E.1	D.2	D.1	C.2	C.1		8.2)			B.1				A.2						A.1		michel	and tracks	MIN-CIO CO
Total Unit Cost - As Submitted Total Unit Cost - As Evaluated	Value Added Tax - As Evaluated	Value Added Tax - As Submitted	Contractor's Profit - As Evaluated	Contractor's Profit - 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	Miscellaneous (5% of Materials)	a. Standard Stake Plan	Materials	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.2+B.2) - As Evaluated	Total (A.1+B.1) - As Submitted	Sub-Total for B-2 As Evaluated			Equipment	Sub-Total for B-1 As Submitted	a. Total Station with complete accessories	Equipment	Name and Capacity	Sub-Total for A-2 As Evaluated		Labor	Sub-Total for A-1 As Submitted	b. Skilled Laborer	a. Geodetic Engineer	c, Laborer	b. Skilled Laborer	a. Geodetic Engineer	(For Field Works)	Labor	Designation
					luated	mitted								pes	pcs		Unit												1	ner et etter	No. of Units				1	2 +	•	ω	ω	1			No. of Person/s
														CTT	35		Quantity												27	noi of fronts	No. of Hour/s				00	80	80	27	27	27			No. of Hour/s
(G.1+H1+I1+J1) (G.2+H2+I2+J1)	5% of (G.2+H2+I2)	5% of (G.1+H1+I1)	10%/8% of G.1	10%/8% of G.1	12%/9%/7%/6% of G.1	12%/9%/7%/6% of G.1								+0.00	200.00		Unit Cost												100.00	Houry race	Hourly Rate				20.01	50.55	90.05	45.16	58.61	80.95			Hourly Rate
51,200.62	ı	2,438.12	•	3,305.93	•	4,132.41	1	41,324.15	1				12,180.00	580.00	7,000.00		Amount (Php.)	1	29,144.15	1	1.00	1	29,144.15					2,700.00	2,700.00	Directive (rings)	Amount (Php.)				26,444.15	01.0/4/0	6 476 10	3,657.66	4,747.31	2,185.68			Amount (Php.)

Prepared by:

JERALD R. BARRERA Engineer II

Checked/Reviewed

Item No./Description Project Billboard

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

K2			1.1	1.2	=	H.2	II 1	G.2	G.1		3.2	n J					Fil			E.2	E1			C.2	C.1		в.2		I		5.1	1			A.2					A.1			
Total Unit Cost - As Evaluated	Total Unit Cost - As Suhmitted	Value Added Tax - As Evaluated	Value Added Tax - As Submitted	Contractor's Profit - As Evaluated	Contractor's Profit - As Submitted	Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated	Overhead, Contingencies & Miscellaneous (OCM) - As Suhmitted	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	d. Assorted Sizes CWN Nails	c. Assorted Lumber Sizes	b. Tarpauling (4" x 8")	Materials a. Marine Plywood. 3/6" thk x 4' x 8'	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.2+B.2) - As Evaluated	Total (A.1+B.1) - As Submitted	Sub-Total for B-2 As Evaluated		Equipment	Sub-10tal for b-1 As Submitted	Sub-Total for R.1 As Submitted		Equipment	Name and Capacity	Sub-Total for A-2 As Evaluated		Labor	Sub-Total for A-1 As Submitted		c. Laborer	b. Skilled Laborer	a. Construction Foreman	Labor	Designation
						uated	mitted								kg	bd.ft	DCS	ncs	Unit														No. of Units						2	2	н		No, of Person/s
															1.00	50.00	1.00	1 00	Quantity														No. of Hour/s						ь.	Ľ	-		No. of Hour/s
(G.2+H2+I2+J1)	(G.1+H1+I1+I1)	5% of (G.2+H2+I2)	5% of (G.1+H1+I1)	10%/8% of G.1	10%/8% of G.1	12%/9%/7%/6% of G.1	12%/9%/7%/6% of G.1								78.00	20.00	800.00	1 247 00	Unit Cost														Hourly Rate						45.16	58.61	80.95		Hourly Rate
· Faceroo	4.132.66		196.79	-	266.84	4	333.55		3,335,48					3,047.00	78.00	1,000.00	800.00	1 247 00	Amount (Php.)		288.48		1.00		288,48								Amount (Php.)				288.48		90.31	117.22	80.95		Amount (Php.)

Prepared by:

Engineer II

Checked/Reviewed

Item No./Description • • Occupational Safety & Health Program

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

K2 K1	J.2	J.1	1.2	I.1	H.2	H.1	G.2	G.1		F.2	T			-	7	matrice (Inc	E.2	E.1	D.2	D.1	2	?		B.2			B.1				A.2				A.1			
Total Unit Cost - As Submitted Total Unit Cost - As Evaluated	Value Added Tax - As Evaluated	Value Added Tax - As Submitted	Contractor's Profit - As Evaluated	Contractor's Profit - 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	C. Rain Coats (Rain Forced, Hip Length Small, Medium & Large)	b. Pairs, Working Gloves (Maong Materials)	Materials a. Pairs, Rubber Boots Men, Long with Steel Toe, Black	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.2+B.2) - As Evaluated	Sub-Total for 8-2 As Evaluated	Cold Total for B 2 As Evaluated		Equipment	Sub-Total for B-1 As Submitted		Equipment	Name and Capacity	Sub-Total for A-2 As Evaluated		more and	Labor	Sub-Total for A-1 As Submitted	b. First Aider	a. Safety Practitioner	Labor	Designation
					luated	mitted							pcs	pair	pair	Unit													No. of Units						2	1		No. of Person/s
													24.00	24.00	24.00	Quantity													No. of Hour/s						1344	672		No. of Hour/s
(G.1+H1+I1+J1) (G.2+H2+I2+J1)	5% of (G.2+H2+I2)	5% of (G.1+H1+I1)	10%/8% of G.1	10%/8% of G.1	12%/9%/7%/6% of G.1	12%/9%/7%/6% of G.1							100.00	15.00	400.00	Unit Cost													Hourly Rate						74.14	80.95		Hourly Rate
301,686.50	1	14,366.02		21,283.00	N.	3		266,037.48	1		**/000:00	12 360.00	2,400.00	360.00	9,600.00	Amount (Php.)	2	253,677.48		1.00	253,677.48					1			Amount (Php.)				OF. 110/cc2	252 677 40	199,278.24	54,399.24		Amount (Php.)

Prepared by:

JERALD R. BARRERA Engineer II

Checked/Reviewed

Item No./Description .. Mobilization & Demobilization

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

I.1 Contractor's Profit - As Submitted I.2 Contractor's Profit - As Evaluated J.1 Value Added Tax - As Submitted		L		H.2 Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated	_		_	_	F.2	1 iducitatis	Materiale	Sch. Total for E.1 As Submitted		F.1	Materials	Name and Specification Unit	E.2 Direct Unit Cost (C.2 +D.2) - As Evaluated	E.1 Direct Unit Cost (C.1 +D.1) - As Submitted	_	C.2 Total (A.2+B.2) - As Evaluated		Sub-Total for B-2 As Evaluated	В.2	Equipment	Sub-Total for B-1 As Submitted	B.1 a. Low Bed Trailer 2	Name and Capacity No. of U	Sub-Total for A-2 As Evaluated	A.2	Labor	Sub-Total for A-1 As Submitted		A1	Labor		Designation No. of Pe
s (OCM) - As Submitted s (OCM) - As Evaluated	d s (OCM) - As Submitted s (OCM) - As Evaluated	d s (OCM) - As Submitted s (OCM) - As Evaluated	d s (OCM) - As Submitted s (OCM) - As Evaluated	s (OCM) - As Submitted		d										Unit	180	ed								2	No. of Units									No. of Person/s
			Contraction of the Contraction o													Quantity						1				56	No. of Hour/s								1	/s No. of Hour/s
10%/8% of G.1 5% of (G.1+H1+I1)	10%/8% of G.1	1001 1001	10%/8% of G.1	12%/9%/7%/6% of G.1	12%/9%/7%/6% of G.1											Unit Cost										4,255.38	Hourly Rate								indirit issues	Hourly Rate
23,830.10		ı	ı	1	1	¢	476,602.00						ŧ			Amount (Php.)		476,602,00	1.00	1,000,000,000	476 602 00				476,602.00	476,602,00	Amount (Php.)						1		ranoant (rup.)	Amount (Phn)

Prepared by:

JERALD R. BARRERA Engineer II

Checked/Reviewed

ISIDRA A. ESTANISLAO

Engineer IV

Item No./Description Structure Excavation

5,087.00 cu.m 20.00

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

5% or (5.2+H2+12) (G.1+H1+I1+J1) (G.2+H2+I2+J1)
5% of (G.1+H1+I1)
10%/8% of G.1
12%/9%/7%/6% of G.1
12%/9%/7%/6% of G.1
Quantity Unit Cost
1,537.00
1 420 00
No. of Hour/s Hourly Rate
1.00 45.16
No. of Hour/s Hourly Rate

Prepared by:

JERALD R. BARRERA Engineer II

Checked/Reviewed

Item No./Description • Embankment from Borrow

Unit of Measurement
Output per hour-As Submitted
Output per hour-As Evaluated 1,885.00 cu.m 50.00

1	(G.2+H2+I2+J1)			Total Unit Cost - As Evaluated	K.2
717.45	(G.1+H1+I1+J1)			Total Unit Cost - As Submitted	K.1
1	5% of (G.2+H2+I2)			Value Added Tax - As Evaluated	J.2
34.16	5% of (G.1+H1+I1)			Value Added Tax - As Submitted	J.1
-	10%/8% of G.1			Contractor's Profit - As Evaluated	1.2
46 32	10%/8% of G 1			Contractor's Profit - As Suhmitted	1
	2%/9%/7%/6% of G.1		luated	Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated	H 2
57 91	2%/9%/7%/6% of G 1		mitted	Overhead, Contingencies & Miscellaneous (OCM) - As Submitted	=
075100				Direct Unit Cost (E.2+F.2) - As Evaluated	
579.06				Direct Unit Cost (E.1+F.1) - As Submitted	G.1
				Sub-Total for F-2 As Evaluated	
					F.2
				Materials	
483.00				Sub-Total for F-1 As Submitted	
,	301.10	T.23	caill	di willimi wil vi	
483 00	386 40	1 25	2	Materials A Common Rorrow	F.1
Amount (Php.)	Unit Cost	Quantity	Unit	Name and Specification	
				Direct Unit Cost (C.2 +D.2) - As Evaluated	E.2
96,06				Direct Unit Cost (C.1 +D.1) - As Submitted	
				Output per Hour - As Evaluated	
50,00				Output per Hour - As Submitted	
				Total (A.2+B.2) - As Evaluated	
4,802.76				Total (A.1+B.1) - As Submitted	C.1
				Sub-Total for B-2 As Evaluated	
					В.2
				Equipment	
4,631.50				Sub-Total for B-1 As Submitted	
. 1					
	-				
612.50	2,450.00	0.25	1	c. Water Truck/Pump	-
1,846.00	1,846.00	1.00	1	b. Vibratory Roller	B
2,173.00	2,173.00	1.00	1	a. Motorized Road Grader	
				Equipment	
Amount (Php.)	Hourly Rate	No. of Hour/s	No. of Units	Name and Capacity	
				Sub-Total for A-2 As Evaluated	T
					A.2
				ranoi	۰
1,1,20				Lahor	I
171 26				Sub-Total for A-1 As Submitted	
•					ent-spane
,					
10.06	10,10	1.00	-	as among the	
80.95	80.95	1.00	۱ د	h Laborar	<u> </u>
	2007		•	a Construction Ecreman	
				Labor	**********
Amount (Php.)	Hourly Rate	No. of Hour/s	No. of Person/s	Designation	

Prepared by:

JERALD R. BARRE Engineer II

Checked/Reviewed

Item No./Description . Aggregate Subbase Course

Unit of Measurement
Output per hour-As Submitted
Output per hour-As Evaluated 839.00 cu.m 50.00

	(G.1+H1+I1+J1) (G.2+H2+I2+J1)			Total Unit Cost - As Submitted Total Unit Cost - As Evaluated	2
	5% of (G.2+H2+I2)			Value Added Tax - As Evaluated	3.2
± E	5% of (G.1+H1+I1)			Value Added Tax - As Submitted	1.1
G.1	10%/8% of G.1			Contractor's Profit - As Submitted	L1
G.1	2%/9%/7%/6% of G.1		luated	Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated	
G.1	2%/9%/7%/6% of G.1		mitted	Overhead, Contingencies & Miscellaneous (OCM) - As Sub	
				Direct Unit Cost (E.2+F.2) - As Submitted	G.1
				Sub-Total for F-2 As Evaluated	
					F.2
				Materials	
				Sub-Total for F-1 As Submitted	
	1,056.30	1.15	cu.m	a. Aggregate Subbase Course	F.1
	Unit Cost	Quantity	Unit	Name and Specification	
				Direct Unit Cost (C.2 +D.2) - As Evaluated	
				Direct Unit Cost (C.1 +D.1) - As Submitted	E.i
				Output per Hour - As Submitted	
				Total (A.2+B.2) - As Evaluated	_
				Total (A.1+B.1) - As Submitted	
Ш				Sub-Total for B-2 As Evaluated	
					В.2
				Equipment	
\Box				Sub-Total for B-1 As Submitted	
	2,450.00	0.25	1	c. Water Truck/Pump	1,0
	1,846.00	1.00	1	b. Vibratory Roller	
	2,173.00	1.00	1	a. Motorized Road Grader	
				Equipment	
- 8	Hourly Rate	No. of Hour/s	No. of Units	Name and Capacity	
				Sub-Total for A-2 As Evaluated	
_					A.2
				Labor	
\sqcup				Sub-Total for A-1 As Submitted	
	45.16	1.00	2	b. Laborer	A.1
	80.95	1.00	Ľ	a. Construction Foreman	
				Labor	
	Hourly Rate	No. of Hour/s	No. of Person/s	Designation	
i		Section Sectio			

Prepared by:

JERALD R. BARRERA Engineer II

Checked/Reviewed

Zamboanga del Sur DETAILED UNIT PRICE ANALYSIS

Item No./Description Structural Steel Sheet Piles, Furnished

Unit of Measurement Output per hour-As Submitted Output per hour-As Evaluated 9,120.00 m 72.00

Ĩ	(G.2+H2+I2+J1)			Total Unit Cost - As Evaluated	K.2
3,092.35	(G.1+H1+I1+J1)			Total Unit Cost - As Submitted	
1	5% of (G.2+H2+I2)			Value Added Tax - As Evaluated	J.2
147.25	5% of (G.1+H1+I1)			Value Added Tax - As Submitted	J.1
1	10%/8% of G.1			Contractor's Profit - As Evaluated	1.2
199.67	10%/8% of G.1			Contractor's Profit - As Submitted	1.1
	12%/9%/7%/6% of G.1		uated	Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated	H.2
249.58	12%/9%/7%/6% of G.1		mitted	Overhead, Contingencies & Miscellaneous (OCM) - As Submitted	
				Direct Unit Cost (E.2+F.2) - As Evaluated	
2.495.84				Direct Unit Cost (E.1+F.1) - As Submitted	G.1
T				Sub-Total for F-2 As Evaluated	
					7,2
					٦
				Materials	
2,448.00				Sub-Total for F-1 As Submitted	
46,00				ויוויייומון אימיין (ביט עו הומגעומוי כאיזין	
40.00				Miscellaneous (20), of Materials Cost	
2,400.00	50.00	48.00	kg	a. Steel Sheet Pile KSP II (delivered at site)	F
Amount (Php.)	Unit Cost	Quantity	Unit	Name and Specification	
				Direct Unit Cost (C.2 +D.2) - As Evaluated	E.2
47.84				Direct Unit Cost (C.1 +D.1) - As Submitted	
				Output per Hour - As Evaluated	D.2
72.00				Output per Hour - As Submitted	D.1
0/111100				Total (A.2+B.2) - As Evaluated	C.2
3 444 53				Total (A.1+B.1) - As Submitted	C1
				Sub-Total for B-2 As Evaluated	
					B.2
				Equipment	
3,156.05				Sub-Total for B-1 As Submitted	Γ
28.85				Minor Tools (10% of Labor Cost)	
J,121,20	02:121,0	1.00	,	at the bound of the bound of the bound	
3 477 70	3 137 30	90	-	Trick Mointed Crane	20
Amount (Php.)	Hourly Rate	No. of Hour/s	No. of Units	Name and Capacity	
1				Sub-Total for A-2 As Evaluated	
1					A.2
				Labor	
288.48				Sub-Total for A-1 As Submitted	
90,31	45.16	1.00	2	c. Laborer	
117.22	58.61	1.00	2	b. Skilled Laborer	A.1
80,95	80.95	1.00	1	a. Construction Foreman	
				teneral i	
				Labor	Armenio P
Amount (Php.)	Hourly Rate	No. of Hour/s	No. of Person/s	Designation	*******

Prepared by:

JERALD R. BARRERA
Engineer II

Checked/Reviewed

ISIDRA A. ESTANISLAO

Engineer IV

Zamboanga del Sur DETAILED UNIT PRICE ANALYSIS

Item No./Description .. Steel Sheet Tests Piles, Furnished and Driven

Unit of Measurement
Output per hour-As Submitted
Output per hour-As Evaluated 12.00 m 2.40

K.2	K.1		3.1		I.1	L	H.1	G.2	G.1		F.2						F.1	17:00			E.2	E.1	D.2	D.1	C.2	C.1		В.2						B.1					A.2	<u>ر</u>				;	<u> </u>				545
Total Unit Cost - As Evaluated	Total Unit Cost - As Submitted	Value Added Tax - As Evaluated	Value Added Tax - As Submitted	Contractor's Profit - As Evaluated	Contractor's Profit - 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	Miscellaneous (2% of Materials)	e. Nail/Spike	d. Good Lumber	c. Coco Logs	h. Oxy/Aretylene	Materials a. Welding Rod	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.2+B.2) - As Evaluated	Total (A.1+B.1) - As Submitted	Sub-Total for B-2 As Evaluated	ramphicit	Fording of D-1 As Subliniced	Sub-Total for R-1 Ac Submitted	Minor Tools (5% of Lahor Cost)	a Cutting Outer	d Welding Machine	C Drese Hammer	h Discal Hammor	a Truck Mounted Crane	Name and Capacity	Sub-Total for A-2 As Evaluated			Labor	Sub-Total for A-1 As Submitted	er benevit ei	C (abover	h. Skilled Laborer	A Construction Foreman	Labor	Designation	Danianation
						uated	mitted						c	ka ,	ka	m [set set	i i	3	Unit											h-	- -	-	-			No. of Units						o	n 0	η I-	•		No. of Person/s	No of Domonio
														0.16	0.16	1.00	0.02	0.05	1 00	Quantity											0.00	0.08	0.13	0.43	0.50	0 60	No. of Hour/s						1,00	1.00	1.00	100		No. or Hour/s	
(G.2+H2+I2+J1)	(G.1+H1+I1+J1)	5% of (G.2+H2+I2)	5% of (G.1+H1+I1)	10%/8% of G.1	10%/8% of G.1	12%/9%/7%/6% of G.1	12%/9%/7%/6% of G.1							65.00	65.00	40.00	436.00	2 500,00	138 00	Unit Cost											45,45	539.00	5,000.00	1,286.00	02.721,6	2 127 20	Hourly Rate						45.10	70.01	80.95	90.05		nourly Kate	
	2,248.66	7	107.08	.1	145.19		181,49	,	1,814.90				327.08	10.40	10.40	40.00	8.28	120.00	139 00	Amount (Php.)	1	1,487.81		2,40		3.570.75			2,867.21	2 67 21	35 18	43.12	00.00	321.50	1,013.70	4 042 70	Amount (Php.)			ı		703.54	270,34	27,02	354 65	00.05		Amount (Pnp.)	A

Prepared by:

Engineer II

Checked/Reviewed

Zamboanga del Sur DETAILED UNIT PRICE ANALYSIS

Item No./Description • Structural Steel Sheet Piles, Driven

Unit of Measurement
Output per hour-As Submitted
Output per hour-As Evaluated 9,120.00 m 10.00

Prepared by:

JERAKD R. BARRBRA Engineer II

Checked/Reviewed

Item No./Description .. Reinforcing Steel (Grade 40)

Unit of Measurement
Output per hour-As Submitted
Output per hour-As Evaluated 38,541.00 kg 180.00

K.2					H.2	_		G.1		F.2			F.1						D.1	-	C.1		в.2				-	B.1				A.2					A.1				
Total Unit Cost - As Evaluated	Value Added Tax - As Evaluated Total Init Cost As Evaluated	Value Added Tax - As Submitted	Contractor's Profit - As Evaluated	Contractor's Profit - 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	b. Keinforcing Steel bar, Grade 40	a. Tie Wire	Materials	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 Submitted	Total (A.2+B.2) - As Evaluated	Total (A.1+B.1) - As Submitted	Sub-Total for B-2 As Evaluated		Equipment	Sub-Total for B-1 As Submitted	c. cargo Iruck	b. Bar Bender	a. Bar Cutter	Equipment	Name and Capacity	Sub-Total for A-2 As Evaluated		Labor	Sub-Total for A-1 As Submitted		c. Laborer	b. Skilled Laborer	a. Construction Foreman	Labor	Designation	
					luated	mitted							ĸġ	kg		Unit										1.	р	1		No. of Units						8	2	1		No. of Person/s	
													1.05	0.02		Quantity										0.15	0.50	0.50		No. of Hour/s						1.00	1.00	1.00		No. of Hour/s	
(G.2+H2+I2+J1)	5% of (G.2+H2+I2)	5% of (G.1+H1+I1)	10%/8% of G.1	10%/8% of G.1	12%/9%/7%/6% of G.1	12%/9%/7%/6% of G.1							40.00	80.00		Unit Cost										1,212.00	351.50	219.50		Hourly Rate						45.16	58.61	80.95		Hourly Rate	
	61 10	2.91		3,95	\$ 70	4,94	3	49.38	*			43.68	42,00	1.68		Amount (Php.)		5 70	180.00	,	1,026.72				467.30	181.80	175.75	109.75		Amount (Php.)		, ,		559.42	b	361.25	117.22	80.95		Amount (Php.)	

Prepared by:

JERALD R. BARRERA Engineer II

Checked/Reviewed

laku Flood Control, Mahayag, Zamboanga del Sur

FORM-POW-2015-01D-00

DETAILED UNIT PRICE ANALYSIS Zamboanga del Sur

Item No./Description Reinforcing Steel (Grade 60)

Output per hour-As Submitted Unit of Measurement 8,635.00 kg 180.00

Output per hour-As Evaluated

H2 H1 F.2 8,2 F.1 B.1 A.2 A.I Total (A.1+B.1) - As Submitted

Total (A.2+B.2) - As Evaluated

Output per Hour - As Submitted

Output per Hour - As Evaluated

Direct Unit Cost (C.1 +D.1) - As Submitted

Direct Unit Cost (C.2 +D.2) - As Evaluated Sub-Total for F-2 As Evaluated
Direct Unit Cost (E.1+F.1) - As Submitted
Direct Unit Cost (E.2+F.2) - As Evaluated Materials a. Tie Wire Equipment
a. Bar Cutter
b. Bar Bender
c. Cargo Truck Total Unit Cost Value Added Tax - As Evaluated Value Added Tax - As Submitted Contractor's Profit - As Evaluated Overhead, Contingencies & Miscellaneous (OCM) -Overhead, Contingencies & Miscellaneous Equipment Contractor's Profit - As Submitted Materials Reinforcing Steel Bar, Total Unit Cost -Sub-Total for F-1 As Submitted Labor Sub-Total for B-2 As Evaluated Sub-Total for B-1 Sub-Total for A-2 As Evaluated Sub-Total . Construction Foreman . Skilled Laborer . Laborer δį A-1 As Submitted As As Evaluated Name and Specification As Name and Capacity Submitted Submitted , Grade Designation 8 (OCM) -As Evaluated Submitted No. of Person/s No. of Units Unit ŝ <u>a</u> 8 No. of Hour/s No. of Hour/s Quantity 1.05 0.02 0.50 1.00 5% of (G.1+H1+I1) 5% of (G.2+H2+I2) 12%/9%/7%/6% of G.1 12%/9%/7%/6% of G.1 10%/8% of G.1 Hourly Rate (G.2+H2+I2+J1) (G.1+H1+I1+J1) Hourly Rate 351.50 1,212.00 10%/8% of G.1 Unit Cost 219.50 80.00 45.16 58.61 80.95 .00 Amount (Php.) Amount (Php.) Amount (Php.) 1,026.72 467.30 559.42 180,00 181,80 175.75 109.75 361.25 117.22 51.48 1.68 44.10 63.79 45.78 80.95 5.70 3.04 5,15

Prepared by:

Engineer II grades.

Checked/Reviewed

ISIDRA'A. ESTANISLAO

Engineer IV

Zamboanga del Sur DETAILED UNIT PRICE ANALYSIS

Item No./Description .. Structural Concrete, fc'=27.58 Mpa

Output per hour-As Evaluated Output per hour-As Submitted Unit of Measurement 1.40

1,569.00 cu.m

Note: Use Two (2) gang

G.1 G.2 D.2 F.2 FI **B.2** B.1 A.2 A.1 1. Overhead, Contingencies & Miscellaneous (OCM) - As Submitted
2. Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated
1. Contractor's Profit - As Submitted
2. Contractor's Profit - As Evaluated
2. Value Added Tax - As Submitted
2. Value Added Tax - As Submitted
3. Total Unit Cost - As Submitted
4. Total Unit Cost - As Submitted
6. Total Unit Cost - As Submitted
7. Total Unit Cost - As Submitted
8. Miscellaneous (OCM) - As Evaluated
9. Total Unit Cost - As Submitted
Sub-Total for B-2 Av Total (A.1+B.1) - Av Total (A.2+B.2) - Av Output per Hour - A Output per Hour - A Equipment
a. One Bagger Mixer
b. Concrete Vibrator Direct Unit Cost (E.1+F.1) - As Submitted
Direct Unit Cost (E.2+F.2) - As Evaluated Total Unit Cost - As Evaluated Direct Unit Cost $(C.1 \div D.1)$ - As Submitted Direct Unit Cost $(C.2 \div D.2)$ - As Evaluated c. Water Truck/Pump Minor Tools (5% of Labor Cost) Sub-Total for B-1 As Submitted Labor Sub-Total for F-2 As Evaluated Materials Sub-Total for F-1 As Equipment Sub-Total for Labor Sub-Total for A-1 As Submitted Materials Lumber, Good
 Marine Plywood
 Assorted CWN
 Cement Installation/Removal of Formworks Gravel Sand Laborer Laborer Skilled Laborer Skilled Laborer Construction Foreman A-2 As Evaluated
- As Submitted
- As Evaluated Name and Specification As Evaluated As Evaluated As Submitted Name and Capacity Submitted Designation No. of Person/s No. bd.ft of Units Bag R Shift 16 16 N 8 8 No. No. of Hour/s Quantity of Hour/s 17.50 0.40 0.70 9.50 1.00 0.10 1.00 1.00 1.00 1.00 1.00 1.00 12%/9%/7%/6% of G.1 12%/9%/7%/6% of G.1 10%/8% of G.1 10%/8% of G.1 10%/8% of G.1 5% of (G.1+H1+I1) 5% of (G.2+H2+I2) Hourly Rate Hourly Rate (G.2+H2+I2+J1) (G.1+H1+I1+J1) 2,450.00 276.84 1,156.30 1,206.30 37.00 1,247.00 78.00 Unit Cost 172.00 91.25 45.16 45.16 58.61 58.61 80.95 Amount (Php.) Amount (Php.) Amount (Php.) 10,146.42 8,189.20 2,463.69 647.50 498.80 54.60 2,630.01 578.15 1,206.30 5,615.36 3,603.38 1,139.68 ,573.84 818.92 490.00 468.87 722.50 483.16 655.14 123,18 182.50 344,00 722,50 468.87 80.95 1.40

Prepared by: March

Engineer II

Checked/Reviewed

Zamboanga del Sur DETAILED UNIT PRICE ANALYSIS

Item No./Description Grouted Riprap, Class "A"

Unit of Measurement
Output per hour-As Submitted
Output per hour-As Evaluated 1,609.00 cu.m 1.25

	(G.2+H2+I2+J1)			Ioai oilit cost - As Evaluated	7.0
4,815.38	(G.1+H1+I1+J1)			Total Unit Cost - As Submitted	
	5% of (G.2+H2+I2)			Value Added Tax - As Evaluated	
229.30	5% of (G.1+H1+I1)			Value Added Tax - As Submitted	
20,32	10%/8% of G.1			Contractor's Profit - As Evaluated	1.2
210.02	10%/8% of G 1			Contractor's Profit - As Submitted	
388,65	12%/9%//%/6% of G.1		lated	Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated	
			altad	Overhead Contingencies & Miscellangous (OCM) As Sub-	H G.Z
3,886.50				Direct Unit Cost (E.1+F.1) - As Submitted	_
•				Sub-Total for F-2 As Evaluated	_
				Materials	F.2
2,501.96				Marketials As Submitted	I
24.77				Miscellaneous (1% of Materials Cost)	-
1,481.87	1,411.30	1.05	cu.m	r. Boulder	
2,40	160.00	0.02	m.bs	e. Filter Cloth	
39,90	133.00	0.30	3	d. Weep Holes	
18.09	1,206.30	0.02	cu.m	c. Gravel FIII	7
242,82	1,156.30	0.21	cu.m	b. Sand	
692.11	276.84	2.50	bag	a. Portland Cement	
				Materials	
Amount (Php.)	Unit Cost	Quantity	Unit	Name and Specification	
1,001,01				Direct Unit Cost (C.2 +D.2) - As Evaluated	E.2
1 384 54				Direct Unit Cost (C.1 +D.1) - As Submitted	E.1
CZ.1				Output per Hour - As Evaluated	D.2
1 27				Output per Hour - As Submitted	D.1
1,/30.6/				Total (A.2+B.2) - As Evaluated	C.2
1 100 7				Total (A.1+B.1) - As Submitted	2
				Sub-Total for B-2 As Evaluated	
					В.2
				Equipment	
692.79				Sub-Total for B-1 As Submitted	Π
TU3./3					
245.00	4,730.00	0:00	ı	Minor Tools (10% of Labor Cost)	
344.00	2.450.00	1.00	2		B.1
		4	٥	A. One Ragner Mixer	
Amount (Php.)	Hourly Rate	No. of Hour/s	No. of Units	Name and Capacity	•
1				Sub-Total for A-2 As Evaluated	Τ
					A.2
				Labor	1
1,037.89				Sub-Total for A-1 AS Subfillitied	T
				Sid-Tatal for A.1 Ac Submitted	

722.50	45.16	1.00	16	C. Laborer	
234,44	58.61	1.00	4	_	A,I
80,95	80.95	1.00	1		•
				Labor	NTHE SHIP SHEET
Amount (Php.)	Hourly Rate	No. of Hour/s	No. of Person/s	Designation	
	Note: Use Two (2) gang				

Prepared by:

JERALD R. BARRERA
Engineer II

Item No./Description . Handlaid Rock Embankment

Unit of Measurement
Output per hour-As Submitted
Output per hour-As Evaluated ** ** ** 13,929.00 cu.m 3.13

Note: Use Five (5) gang

Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated Contractor's Profit - As Submitted Contractor's Profit - As Evaluated Value Added Tax - As Submitted Value Added Tax - As Evaluated Total Unit Cost - As Submitted Total Unit Cost - As Evaluated
cu.m 1.05
Unit Quantity
No. of Ollies No. of Flour/5
+
40 1.00
1.00
1,00
No. of Person/s No. of Hour/s

Prepared by:

Engineer II

Checked/Reviewed

SIDRA A. ESTANISLAO

Engineer IV

UNIT COST ANALYSIS FOR HAULING COST FOR ALL AGGREGATES

Hauling Cost from the District Office to Site

Quantity Item No **ALL AGGREGATES** 1,000.00 Unit Terrain Hauling Distance Flat to Rolling

Effective Working Hours cu.m. 5.00 8.00 KS.

Hauling

Using 10.00 cu.m. capacity Dumptruck Weight of Dumptruck (cap. 10.00 cu.m.) Unit Weight of Fine Aggrgates Unit Weight of Course Aggrgates 16,000.00 1,534.00 1,640.00 kgs kg/cu.m. kg/cu.m.

Maximum Volumeto be Carried per DT 11.57 cu.m.

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

Speed when loaded 30,00 ŝ

Speed when unloaded 40.00 ξþ

Loaded Running 5.00 30.00 60.00 [] 5 mins.

Unloaded Running 5.00 40,00 60.00 П 7.5 mins.

Capacity of Dumptruck Loading & Unloading 11 11 11 5.00 mins.

Total Cycle Time 22,50 10.00 mins. cu.m.

No. of trips for Dumptruck per day 11 8.00 22.50 60.00 11 21.33 trips

Dumptruck Daily Outpout Using 4 Dumptruck II 11 10.00 213.33 $\times \times$ 21.33 4.00 11 11 213.33 853.33 cu.m. cu.m.

No. of Days for Dumptruck 11 853,33 ,000.00 11 1.17 days

EQUIPMENT USED: (2009 ACEL RATES)

Labor Equipment Grand Total **Unit Cost** Estimated Quantity 4.00 - Unit Dumptruck 0 Ū ď σ *50,700.00 50,700.00* 1,000.00 10.14 10,816.00 cu.m. /cu.m/km. (unit cost hauling per cu.m. per km.) day × 1.17 days Sub-Total Ħ **~**|~ 50,700.00 50,700.00

ZAMBOANGA DEL SUR 1st DEO (using 3rd Quarter 2018)

Equipment

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<	Cost of Embankment, Common Borrow	Cost of Boulders) Materalls			Cost of Coarse Aggregates	Cost of Fine Aggregates	
10.00	10.00	45.00	45.00	45.00	45.00	45.00	45.00	Hauilng Distance
×	×	×	×	×	×	×	×	
10.14	10.14	10.14	10.14	10.14	10.14	10.14	10.14	Unit Cost per cu.m/km
11	H	11	H	П	11	11	H	
101.40	101.40	456.30	456.30	456.30	456.30	456.30	456.30	Hauling Cost per km.
+	+	+	+	+	+	+	+	
320.00	285.00	955.00	700.00	630.00	600.00	750.00	700.00	Unit Price
[]	ij	H	11	Ħ	II	Ħ	15	
421,40	386.40	1,411.30	1,156.30	1,086.30	1,056.30	1,206.30	1,156.30	Unit cost per cu.m.

UNIT COST DERIVATION FOR PORTLAND CEMENT

TOTAL QUANTITY REQUIREMENTS FOR PORTLAND CEMENT

18, 928,00	IOIA
CONTRACTOR OF THE PROPERTY OF	delinistis elemente con oppositione del managemente del manage
	Stone Masonry
4,022.50	Grouted Riprap, Class "A"
T.	Reinforced Concrete Culverts Pipe, 610 mm dia
	Pipe Culvert & Storm Drain
k	Lean Concrete for RCBC
14,905.50	Structural Concrete, fc'=27.58 Mpa
ŧ	Portland Cement Concrete Pavement
•	Portland Cement Concrete Pavement
Action and the second s	Constitution of the Consti
Quantity (Bags)	Description

Quantity П 18,928.00 Bags

Delivery Charge 11 U 0.12 /bag/km

PROJECT SITE]	Zamboanga del Sur 1st DEO	
30.00		HAULING DISTANCE

Average Hauling Distance from source to assumed stockpilling area: say 50.00 km.

Delivery Charge Delivery Charge 11 11 ס ס 0.12 6.00 Bag/ 50.00

* Delivery Truck 18,928.00 20,000.00 500.00 bags, (capacity per haul) bags (hauling works) kgs., (capacity per haul)

* Capacity of Laborers unloading bags of Cement from Delivery Truck:

Assume 10 laborers can unload 500.00 bags of Cement

*Dumptruck (10 Wheeler) days computation : TIME - MOTION ANALYSIS
Speed when loaded : 30.00 kph
Speed when unloaded : 40.00 kph

Loaded Running 50.00 30.00 60.00 11 8 mins.

Unloading Running 50.00 40.00 60.00 Н 75 mins,

Loading & Unloading Capacity of Dumptruck 11 - [] 500.00 220.00 8.00 45.00 mins. bags cu.m.

Total Cycle Time

I

mins.

No. of trips for Dumptruck per
$$=$$
 $\frac{8.00 \times 60.00}{220.00}$ $=$ 2.18 trips

Dumptruck Daily Outpout =
$$500.00 \times 2.18 = 1.090.91 \text{ cu.m.}$$

Using 4 Dumptruck = $1.090.91 \times 4.00 = 4.363.64 \text{ cu.m.}$

No. of Days for Dumptruck =
$$\frac{18,928.00}{4,363.64}$$
 = 4.34 days

LABOR:

Materials	Labor	Delivery Cost	Grand Total	Unit Cost
"0	70	70	ט־	70
5,110,560.00	15,964.35	113,568.00	5,240,092,35	276.84