Project Title:	SITE DEVELOPMENT WORKS OF JPST STATIONS							
Location:	1. Barangay Bubong Cadapaan, Balindong, Lanao del Sur							
	2. Barangay Pangao, Munai, Lanao de Norte							
Project Category:	Construction of Facilities							
Total Project Cost:								
LOT 3 - Project Descr	ription:	Implementation Mode:	By Contract					
Cita Davidania AM	landar in alcadin n O anatomatic n of	Project Duration:	60 Days					
Access Road, Draina	orks including Construction of age System, Water / Sanitary System,	Equipment Required:	Earthmoving Equipment, Hauling Equipment and Concrete Mixers					
Electrical System and Perimeter fence.		Technical Personnel:						

ITEM	ITEMS OF WORK	% (WT.)	QTY	UNIT	UNIT PRICE	AMOUNT			
NO.	TEME OF WORK	76 (W1.)	QII	Oldin	ONITTRICE	AMOUNT			
1	GENERAL REQUIREMENTS								
1.1	Mobilization and Demobilization		1.00	Ls					
1.2	Construction Safety and Health		1.00	mos.					
1.3	Project Sign Board		1.00	each					
1.4	Temporary Facilities for the Contractor		2.00	mos.					
2	ACCESS ROAD								
2.1	Construction of Access Road		1.00	Ls					
		•			1				
3	SITE WORKS								
3.1	Clearing and Grubbing		759.00	sq.m					
3.2	Gravel Bedding		34.88	cu.m					
				•					
4	DRAINAGE LINED CANAL								
4.1	4"x10"x16" CHB		69.14	sq.m					
4.2	Plain Cement Plaster Finish		69.14	sq.m					
4.3	Structural Concrete		7.16	cu.m					
4.4	Reinforcing Steel, Grade 40		598.87	kgs.					
4.5	Excavation Works (Manual)		37.53	cu.m					
4.6	Backfill (Manual / Side Borrow)		18.77	cu.m					
4.7	Gravel Bedding		4.94	sq.m					
4.8	Form Works		49.40	sq.m					
5	CONCRETE PAVER Structural Concrete		2.22	I	 				
5.1				cu.m					
5.2	Reinforcing Steel, Grade 40 Form Works		121.74	kgs.					
5.3	TOTH WORKS		44.40	sq.m					
6	PERIMETER FENCE		!						
6.1	Installation of 6"x10"x16" CHB		111.66	sq.m					
6.2	Plain Cement Plaster Finish		169.26	sq.m					
6.3	Structural Concrete		17.73	cu.m					
6.4	Gravel Bedding		7.32	sq.m					
6.5	Excavation Works (Manual)		76.64	cu.m					
6.6	Backfill (Manual / Side Borrow)		27.28	cu.m					
6.7	Reinforcing Steel, Grade 40		663.55	kgs.					
6.8	Form Works	57.60		kgs.					
6.9	Interlink (Cyclone) Wire 50mm x 2.5mm		1.00	Lot					
7 ABLUTION Sub-Tota									
7.1	Installation of 4"x10"x16" CHB		1.28	sq.m	T T				
7.2	Plain Cement Plaster Finish		3.26	sq.m	+ +				
7.3	Structural Concrete		0.28	cu.m	+ +				
7.4	Reinforcing Steel, Grade 40		10.41	kgs.	 				

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8	SANITARY PLUMBING AND WATER SUPPLY		ļ.				
8.1	Installation of Polypropylene Random Pipe (PPRP)Co	ld Water Lines	and Fittings (See	e Specs and Te	ch Details)		
8.1.1	15mmØ						
8.1.2	20mmØ		4.00	pc pc			
8.1.3	25mmØ		2.00	рс			
8.1.4	32mmØ		6.00	рс			
	3.2 Installation of Polyvinyl Chloride Pipe (PVC) Waste Water Lines and Fittings (See Specs and Tech Details)						
8.2.1	50mmØ		13.00	рс	,		
8.2.2	100mmØ		14.00	рс			
8.3	Installation of Elevated Water Tank, with G.I Pipe (So	h.40) Lines an	d Fittings and PP		1		
8.3.1	Supply and Installation of 4,000li Capacity, Stainless Water Tank & Accessories		1.00	lot			
8.3.2	Fabrication and Erection of Structural Steel Structure for Elevated Water Tank		1.00	lot			
8.3.3	Structural Concrete		2.53	cu.m			
8.3.4	Reinforcing Steel, Grade 40		233.44	kgs.			
8.3.5	Installation of G.I Pipe Sched. 40 and Fittings						
8.3.5.1	32mmØ		5.00	рс			
8.3.5.2	40mmØ		2.00	рс			
8.4	Pump with G.I Pipe (Sch.40) Casing and Fittings		1.00	lot			
8.5	Supply and Installation of two (2) Set Purifying Plastic Septic Tank		1.00	lot			
					Sub-Total		
9	ELECTRICAL WORKS						
9.1	Supply and Installation of Power Load Center, Switchgear, and Panel Boards		1.00	lot			
9.2	Supply and Installation of Exterior Lighting Fixtures		1.00	lot			
	Wires and Wiring Devices		1.00	lot			
9.4	Conduits, Boxes and Fittings		1.00	lot			
					Sub-Total		
TOTAL	DIRECT COST						
BREA	KDOWN OF ESTIMATED PROJECT COST					TOTAL COST	
A.	DIRECT COST						
	Material Cost						
	Labor Cost						
	Equipment Cost						
	Sub-Total 'A'						
В.	INDIRECT COST						
	Contractor's Profit						
	Overhead, Contingencies & Miscellanous (OCM)						
	VAT						
	Sub-Total 'B'						
	TOTAL	('A' + 'B')					
	TOTAL PR	OJECT COS	ST				

Sub-p	Sub-project 2: BARANGAY PANGAO, BALINDONG, LANAO DEL SUR								
ITEM NO.	ITEMS OF WORK % (WT.) QTY UNIT UNIT PRICE AMOUNT								
1	GENERAL REQUIREMENTS								
1.1	Mobilization and Demobilization		1.00	Ls					
1.2	Construction Safety and Health		1.00	mos.					
1.3	Project Sign Board		1.00	each					
1.4	Temporary Facilities for the Contractor		2.00	mos.					

ACCESS ROAD	,	 		1				
STEWORKS		ACCESS BOAD				-		
STE WORKS				1.00				
1.0 Clearing and Grubbing 758.00 sq.m	Z. I	CONSTRUCTION ACCESS ROAD		1.00	sq.m			
1.0 Clearing and Grubbing 758.00 sq.m	2	SITE WORKS						
3.4.34 cu.m				750 00	en m	1		
DRANKAGE LINED CANAL		-			 			
4.1 Installation of 4*Y10*Y10*(*)(100mm) CHB	J.Z	J. J. J. Bodding		J7.J4	L Cu.III			
4.1 Installation of 4*Y10*Y10*(*)(100mm) CHB	4	DRAINAGE LINED CANAL						
1.2 Pain Cement Plaster Finish				75.87	sa m			
3.3 Structural Concrete					t :			
A.4 Reinforcing Steel, Grade 40 647,00 kgs.					1			
4.6 Backfill (Manual / Side Borrow)		-						
4.6 Backfill (Manual / Side Borrow)		=			 			
4.8 Gravel Bedding		· · · · ·			 			
Structural Concrete 2.04		· · · · · · · · · · · · · · · · · · ·			1			
S		-		-	 			
Structural Concrete					<u>. ' </u>			
Second Period Steel, Grade 40 111.55 kgs.	5	CONCRETE PAVER						
5.3 Form Works	5.1	Structural Concrete		2.04	cu.m			
6 PERIMETER FENCE 6.1 Installation of 6"x10"x16" (150mm) CHB	5.2	Reinforcing Steel, Grade 40		111.55	kgs.			
6.1 Installation of 6"x10"x16" (150mm) CHB	5.3	Form Works		40.80				
6.1 Installation of 6"x10"x16" (150mm) CHB								
Structural Concrete 16.27								
Structural Concrete	6.1	Installation of 6"x10"x16" (150mm) CHB		111.66	sq.m			
Gravel Bedding	6.2	-		169.26	sq.m			
6.5 Excavation Works (Manual) 76.64 cu.m 76.66 cu.m 76.66 Backfill (Manual / Side Borrow) 27.28 cu.m 76.78 cu.m 77.2 plain (Cyclone) Wire 50mm x 2.5mm 77.1 plastallation of 4"x10"x16" (100mm) CHB 77.1 plain Cement Plaster Finish 77.2 plain Cement Plaster Finish 77.3 plain Cement Plaster Finish 77.4 plain Cement Plaste	6.3	Structural Concrete		16.27	cu.m			
Backfill (Manual / Side Borrow)	6.4			7.32	sq.m			
6.7 Reinforcing Steel, Grade 40 663.55 kgs. 6.8 Form Works 57.60 kgs. 6.9 Interlink (Cyclone) Wire 50mm x 2.5mm 1.00 Lot Sub-Total 7 ABLUTION 7.1 Installation of 4"x10"x16" (100mm) CHB 1.28 sq.m 7.3 Structural Concrete 0.28 cu.m 7.4 Reinforcing Steel, Grade 40 10.41 kgs. 8 SANITARY PLUMBING AND WATER SUPPLY 8.1 Installation of Polypropylene Random Pipe (PPRP)Cold Water Lines and Fittings (See Specs and Tech Details) 8.1.1 2 20mm0 4.00 pc 8.1.1 10.0 pc 8.1.2 20mm0 4.00 pc 8.1.4 32mm0 6.00 pc 9.1 1.00 pc 9.1 1.00 pc 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0		` ,		76.64	cu.m			
6.8 Form Works 57.60 kgs.	6.6	,		27.28	cu.m			
Interlink (Cyclone) Wire 50mm x 2.5mm				663.55	kgs.			
ABLUTION	6.8			57.60	kgs.			
7. ABLUTION 7.1 Installation of 4"x10"x16" (100mm) CHB	6.9	Interlink (Cyclone) Wire 50mm x 2.5mm		1.00	Lot			
7.1 Installation of 4"x10"x16" (100mm) CHB 1.28 sq.m 7.2 Plain Cement Plaster Finish 3.26 sq.m 7.3 Structural Concrete 0.28 cu.m 7.4 Reinforcing Steel, Grade 40 10.41 kgs. 8 SANITARY PLUMBING AND WATER SUPPLY 8.1 Installation of Polypropylene Random Pipe (PPRP)Cold Water Lines and Fittings (See Specs and Tech Details) 8.1.1 15mmØ 11.00 pc 8.1.2 20mmØ 4.00 pc 8.1.3 25mmØ 2.00 pc 8.1.4 32mmØ 6.00 pc 8.2 Installation of Polyvinyl Chloride Pipe (PVC) Waste Water Lines and Fittings (See Specs and Tech Details) 8.2.1 50mmØ 13.00 pc 8.2.2 100mmØ 14.00 pc 8.3.3 Installation of Elevated Water Tank, with G.I Pipe (Sch.40) Lines and Fittings and PPR Adaptor 8.3.1 Supply and Installation of Z.000li Capacity, Stainless Water Tank & Accessories 1.00 lot 8.3.2 Fabrication and Erection of Structural Steel Structure for Everated Water Tank </td <td></td> <td></td> <td></td> <td></td> <td></td> <td>Sub-Total</td> <td></td>						Sub-Total		
7.2 Plain Cement Plaster Finish 3.26 sq.m								
7.3 Structural Concrete 0.28 cu.m		` '			1			
Reinforcing Steel, Grade 40 10.41 kgs. Sub-Total					1			
Sub-Total Sub-Total Sub-Total Sub-Total SANITARY PLUMBING AND WATER SUPPLY					 			
8 SANITARY PLUMBING AND WATER SUPPLY 8.1 Installation of Polypropylene Random Pipe (PPRP)Cold Water Lines and Fittings (See Specs and Tech Details) 8.1.1 Installation of Polypropylene Random Pipe (PPRP)Cold Water Lines and Fittings (See Specs and Tech Details) 8.1.2	7.4	Remording Steel, Grade 40		10.41	kgs.	Cub Tat-1		
8.1 Installation of Polypropylene Random Pipe (PPRP)Cold Water Lines and Fittings (See Specs and Tech Details) 8.1.1		CANITADY DI LIMBING AND WATER CURRY				Sub-1 otal		
8.1.1 15mmØ 11.00 pc 8.1.2 20mmØ 4.00 pc 8.1.3 25mmØ 2.00 pc 8.1.4 32mmØ 6.00 pc 8.2 Installation of Polyvinyl Chloride Pipe (PVC) Waste Water Lines and Fittings (See Specs and Tech Details) 8.2.1 50mmØ 13.00 pc 8.2.2 100mmØ 14.00 pc 8.3 Installation of Elevated Water Tank, with G.I Pipe (Sch.40) Lines and Fittings and PPR Adaptor 8.3.1 Supply and Installation of 2,000li Capacity, Stainless Water Tank & Accessories 1.00 lot Fabrication and Erection of Structural Steel Structure for Elevated Water Tank 1.00 lot 8.3.3 Structural Concrete 2.37 cu.m 8.3.4 Reinforcing Steel, Grade 40 216.42 kgs. 8.3.5.1 32mmØ 5.00 pc 8.3.5.2 40mmØ 2.00 pc			ıld Water Linco	and Fittings (Soc	Snecs and Tax	h Details)		
8.1.2 20mmØ				1	1	on Detalls)		
8.1.3 25mmØ 2.00 pc 8.1.4 32mmØ 6.00 pc 8.2 Installation of Polyvinyl Chloride Pipe (PVC) Waste Water Lines and Fittings (See Specs and Tech Details) 8.2.1 50mmØ 13.00 pc 8.2.2 100mmØ 14.00 pc 8.3 Installation of Elevated Water Tank, with G.I Pipe (Sch.40) Lines and Fittings and PPR Adaptor 8.3.1 Supply and Installation of 2,000li Capacity, Stainless Water Tank & Accessories 1.00 lot 8.3.2 Fabrication and Erection of Structural Steel Structure for Elevated Water Tank 1.00 lot 8.3.3 Structural Concrete 2.37 cu.m 8.3.4 Reinforcing Steel, Grade 40 216.42 kgs. 8.3.5.1 installation of G.I Pipe Sched. 40 and Fittings 5.00 pc 8.3.5.2 40mmØ 2.00 pc 8.4 Supply and Installation of two (2) Set Purifying 1.00 lot					 			
8.1.4 32mmØ 6.00 pc 8.2 Installation of Polyvinyl Chloride Pipe (PVC) Waste Water Lines and Fittings (See Specs and Tech Details) 8.2.1 50mmØ 13.00 pc 8.2.2 100mmØ 14.00 pc 8.3 Installation of Elevated Water Tank, with G.I Pipe (Sch.40) Lines and Fittings and PPR Adaptor 8.3.1 Supply and Installation of 2,000li Capacity, Stainless Water Tank & Accessories 1.00 lot 8.3.2 Fabrication and Erection of Structural Steel Structure for Elevated Water Tank 1.00 lot 8.3.3 Structural Concrete 2.37 cu.m 8.3.4 Reinforcing Steel, Grade 40 216.42 kgs. 8.3.5.1 32mmØ 5.00 pc 8.3.5.2 40mmØ 2.00 pc 8.4 Supply and Installation of two (2) Set Purifying 1.00 lot								
8.2 Installation of Polyvinyl Chloride Pipe (PVC) Waste Water Lines and Fittings (See Specs and Tech Details) 8.2.1								
8.2.1 50mmØ 13.00 pc 8.2.2 100mmØ 14.00 pc 8.3 Installation of Elevated Water Tank, with G.I Pipe (Sch.40) Lines and Fittings and PPR Adaptor 8.3.1 Supply and Installation of 2,000li Capacity, Stainless Water Tank & Accessories 1.00 lot 8.3.2 Fabrication and Erection of Structural Steel Structure for Elevated Water Tank 1.00 lot 8.3.3 Structural Concrete 2.37 cu.m 8.3.4 Reinforcing Steel, Grade 40 216.42 kgs. 8.3.5 Installation of G.I Pipe Sched. 40 and Fittings 8.3.5.1 32mmØ 5.00 pc 8.3.5.2 40mmØ 2.00 pc 8.4 Supply and Installation of two (2) Set Purifying 1.00 lot					<u> </u>	tails)		
8.2.2 100mmØ 14.00 pc 8.3 Installation of Elevated Water Tank, with G.I Pipe (Sch.40) Lines and Fittings and PPR Adaptor 8.3.1 Supply and Installation of 2,000li Capacity, Stainless Water Tank & Accessories 1.00 lot 8.3.2 Fabrication and Erection of Structural Steel Structure for Elevated Water Tank 1.00 lot 8.3.3 Structural Concrete 2.37 cu.m 8.3.4 Reinforcing Steel, Grade 40 216.42 kgs. 8.3.5 Installation of G.I Pipe Sched. 40 and Fittings 8.3.5.1 32mmØ 5.00 pc 8.3.5.2 40mmØ 2.00 pc 8.4 Supply and Installation of two (2) Set Purifying 1.00 lot					1			
8.3 Installation of Elevated Water Tank, with G.I Pipe (Sch.40) Lines and Fittings and PPR Adaptor 8.3.1 Supply and Installation of 2,000li Capacity, Stainless Water Tank & Accessories 1.00 lot 8.3.2 Fabrication and Erection of Structural Steel Structure for Elevated Water Tank 8.3.3 Structural Concrete 2.37 cu.m 8.3.4 Reinforcing Steel, Grade 40 216.42 kgs. 8.3.5 Installation of G.I Pipe Sched. 40 and Fittings 8.3.5.1 32mmØ 5.00 pc 8.3.5.2 40mmØ 2.00 pc					i			
8.3.1 Supply and Installation of 2,000li Capacity, Stainless 1.00 lot								
8.3.2 Fabrication and Erection of Structural Steel Structure for Elevated Water Tank 1.00 lot 8.3.3 Structural Concrete 2.37 cu.m 8.3.4 Reinforcing Steel, Grade 40 216.42 kgs. 8.3.5 Installation of G.I Pipe Sched. 40 and Fittings 8.3.5.1 32mmØ 5.00 pc 8.3.5.2 40mmØ 2.00 pc 8.4 Supply and Installation of two (2) Set Purifying 1.00 lot 8.5 Installation of two (2) Set Purifying 1.00 lot 8.6 Installation of two (2) Set Purifying 1.00 lot 8.7 Installation of two (2) Set Purifying 1.00 lot 8.7 Installation of two (2) Set Purifying 1.00 lot 8.8 Installation of two (2) Set Purifying 1.00 lot 8.8 Installation of two (2) Set Purifying 1.00 lot 8.8 Installation of two (2) Set Purifying 1.00 lot 8.8 Installation of two (2) Set Purifying 1.00 lot 8.8 Installation of two (2) Set Purifying 1.00 lot 8.8 Installation of two (2) Set Purifying 1.00 lot 8.8 Installation of two (2) Set Purifying 1.00 lot 8.8 Installation of two (2) Set Purifying 1.00 lot 8.8 Installation of two (2) Set Purifying 1.00 lot 8.8 Installation of two (2) Set Purifying 1.00 lot 8.8 Installation of two (2) Set Purifying 1.00 lot 8.8 Installation of two (2) Set Purifying 1.00 lot 8.8 Installation of two (2) Set Purifying 1.00 lot 8.8 Installation of two (2) Set Purifying 1.00 lot 8.8 Installation of two (2) Set Purifying 1.00 lot			, , , , , ,		· ·			
8.3.2 for Elevated Water Tank 1.00 lot 8.3.3 Structural Concrete 2.37 cu.m 8.3.4 Reinforcing Steel, Grade 40 216.42 kgs. 8.3.5 Installation of G.I Pipe Sched. 40 and Fittings 5.00 pc 8.3.5.1 32mmØ 5.00 pc 8.3.5.2 40mmØ 2.00 pc 8.4 Supply and Installation of two (2) Set Purifying 1.00 lot	8.3.1			1.00	lot			
8.3.4 Reinforcing Steel, Grade 40 216.42 kgs. 8.3.5 Installation of G.I Pipe Sched. 40 and Fittings 5.00 pc 8.3.5.1 32mmØ 5.00 pc 8.3.5.2 40mmØ 2.00 pc 8.4 Supply and Installation of two (2) Set Purifying 1.00 lot		for Elevated Water Tank		1.00	lot			
8.3.5 Installation of G.I Pipe Sched. 40 and Fittings 5.00 pc 8.3.5.1 32mmØ 5.00 pc 8.3.5.2 40mmØ 2.00 pc 8.3.5.9 Supply and Installation of two (2) Set Purifying 1.00 lot	8.3.3	Structural Concrete		2.37	cu.m			
8.3.5.1 32mmØ 5.00 pc 8.3.5.2 40mmØ 2.00 pc 8.4 Supply and Installation of two (2) Set Purifying 1.00 lot	8.3.4	Reinforcing Steel, Grade 40		216.42	kgs.			
8.3.5.2 40mmØ 2.00 pc 8.4 Supply and Installation of two (2) Set Purifying 1.00 lot	8.3.5	Installation of G.I Pipe Sched. 40 and Fittings						
Supply and Installation of two (2) Set Purifying	8.3.5.1	32mmØ		5.00	рс			
	8.3.5.2			2.00	рс			
	8.4			1.00	lot			

TOTAL PROJECT COST							
	TOTAL	('A' + 'B')					
Sub-Total 'B'							
	VAT						
	Overhead, Contingencies & Miscellanous (OCM)						
	Contractor's Profit						
В.	INDIRECT COST						
	Sub-Total 'A'						
	Equipment Cost						
	Labor Cost						
	Material Cost						
A.	DIRECT COST						
BREA	AKDOWN OF ESTIMATED PROJECT COST					TOTAL COST	
TOTAL	_ DIRECT COST						
	-				Sub-Total		
9.4	Conduits, Boxes and Fittings		1.00	lot			
9.3	Wires and Wiring Devices		1.00	lot			
9.2	Supply and Installation of Exterior Lighting Fixtures		1.00	lot			
9.1	Supply and Installation of Power Load Center, Switchgear, and Panel Boards		1.00	lot			
9	ELECTRICAL WORKS						
0.5.4	Backiii (Mandai / Cide Borrow)		272.10	Cu.III	Sub-Total		
	Backfill (Manual / Side Borrow)		272.16	cu.m	+		
	Installation of HDPE Pipelines and Connectors Excavation Works (Manual)		1.00 272.16	lot			
	Reinforcing Steel, Grade 40		46.42	kgs.			
	Structural Concrete		1.38	cu.m			
	Installation of Tapping Point, Pressure Break Tank, Blow-off Valve and Air Release Valve with Fittings and Accessories		1.00	lot			