

Republic of the Philippines
Department of Health
SOUTHERN PHILIPPINES MEDICAL CENTER
Davao City

ENGINEERING AND FACILITIES MANAGEMENT

PROJECT: PROPOSED ADDITIONAL CONCRETE CISTERN TANK
LOCATION: SPMC - COMPOUND, J.P. LAUREL AVENUE, DAVAO CITY
SUBJECT: DETAILED ESTIMATES

DURATION : 120 Cal. Days

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL COST
1.00	General Requirements				
	Technical Documentation	1.00	lot		
	Safety and Health Program	1.00	lot		
				Material Cost	
				Labor Cost	
				Sub Total	
2.00	Mobilization / Demobilization				
	Contractor's Temporary Facilities and Ammenities including light & water	1.00	lot		
				Material Cost	
				Labor Cost	
				Sub Total	
3.00	Earth Works				
	Site Clearing, Grubbing & Waste Disposal	840.00	sq m		
	Removal of Existing Obstructions and Cutting of trees	1.00	lot		
	Staking , Layout & batter boards	1.00	lot		
	Structure Excavation	450.00	cu.m.		
	Filling/Backfilling/Compaction	215.00	cu.m.		
	Gravel Bedding	90.00	cu.m.		
	Embankment	175.20	cu.m.		
	Compaction Equipment and Density control Strips	90.00	sq m		
	Assorted coco lumbers	687.89	bf		
	Assorted CWN	2.00	kegs		
	Consumables	1.00	lot		
				Material Cost	
				Labor Cost	
				Sub Total	
4.00	Concrete Works (cistern tank)				
	Structural concrete:				
	Premix concrete (3,000 psi)	230.00	cu.m.		
	Deformed Bar G40	12,040.00	kgs.		
	Deformed Bar G60	17,338.00	kgs.		
	G.I. Tie Wire Ga.16 35kg.	45.00	bundles		
	Sahara	685.00	bags		
				Material Cost	
				Labor Cost	
				Sub Total	
5.00	Finishing, Waterproofing & Masonry Works				
	Tank lining with water proofing(food grade)- 3 applications	420.00	sq m		
	Cement	70.00	bags		
	Course Sand	45.00	cu m		
	consumables	1.00	lot		

				Material Cost	
				Labor Cost	
				Sub Total	
6.00	Other Sturctures				
	Pump house Well ventilated	1.00	lot		
	Steel Perimeter fence	42.00	lm		
	Consumables	1.00	lot		
				Material Cost	
				Labor Cost	
				Sub Total	

7.00	Electrical Works				
	Electrical Panel Boards with ECB	1.00	lot		
	Power supply (Wires and Accessories)	1.00	lot		
	High Power LED light, 50w, 220v, 60hz	6.00	pcs		
	light outlet box cap with guard & globe, 10w LED bulb	6.00	pcs		
	3 Gang Switch	2.00	pcs		
	Roughing ins	1.00	lot		
	Float valve (flange type) 4 dia	1.00	pcs		
	Foot valve 3 dia	1.00	pcs		
	Goulds-High Head type water booster pump-7.5 HP	3.00	sets		
	Pressure gauge 3 dia	3.00	pcs		
	Floatless type-Electronic level control device-sensored control with electrical connection to pump	1.00	sets		
	Tombo seal tape 1"	4.00	rolls		
	Consumables,	1.00	lot		

				Material Cost	
				Labor Cost	
				Sub Total	
8.00	Plumbing Works				
	G.I. Pipe (sch. 40) 4 dia x 6 m	8.00	lenghts		
	G.I. Pipe (sch. 40) 3 dia x 6 m	2.00	lenghts		
	G.I. Pipe (sch. 40) 2 1/2 dia x 6 m	6.00	lenghts		
	Gate Valve (threaded/kitz) 4 in. dia	3.00	pcs		
	Accessories	1.00	lot		
	Consumables	1.00	lot		
				Material Cost	
				Labor Cost	
				Sub Total	
9.00	Painting Works				
	Metal Primer Red oxide	12.00	gals		
	Acrylic Paint Black	16.00	gals		
	Lacquer Thinner	23.00	gals		
	Consumables	1.00	lot		

				Material Cost	
				Labor Cost	
				Sub Total	

I	DIRECT COST:				
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	TOTAL MATERIAL COST				
	TOTAL LABOR COST				
	EQUIPMENT EXPENSES				
	TOTAL DIRECT COST			P	
II	INDIRECT COST:				
a.	OVERHEAD	8.00%			
b.	CONTIGENCIES	3.00%			
c.	MISCELLANEOUS	1.00%			
d.	PROFIT	8%			
f.	TAXES	5.00%	of I + II.a to II.e		
	TOTAL INDIRECT COST			P	
	TOTAL PROJECT COST			P	

Amount in Words:

Prepared & Submitted By :

Contractor