

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

ENGINEERING AND FACILITIES MANAGEMENT

PROJECT: CONSTRUCTION OF NEW SPMC MORGUE FACILITY WITH NEGATIVE PRESSURE HVAC
SYSTEM & ROAD NETWORK
LOCATION: SPMC COMPOUND, J.P. LAUREL AVENUE, DAVAO CITY
SUBJECT: DETAILED ESTIMATE DURATION : 240 Cal. Days

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL COST
1.00	General Requirements				
	Technical Documentation	1.00	lot		
	Temporary facilities and Safety Program	1.00	lot		

				Material Cost	
				Labor Cost	
				Sub Total	
2.00	Material Testing & Research				
	Concrete Compressive Strength Test & Deformed Bars Bend, Yield Strength and Tensile Strength Test, FDT	1.00	lot		

				Labor Cost	
				Sub Total	

3.00	Site/Earth Works				
	Site Clearing & Waste Disposal	1.00	lot		
	Staking , Layout & batter boards	1.00	lot		
	Excavation	114.54	cu.m.		
	Backfilling	98.79	cu.m.		
	Gravel bedding (yy Blended Gravel)	45.05	cu.m.		
	Assorted coco lumbers	2,800.00	bf		
	3/8" ordinary plywood	25.00	sheets		
	Assorted CWN	7.00	kegs		
	Consumables	1.00	lot		

				Material Cost	
				Labor Cost	
				Sub Total	

4.00	Structural Works				
	4.1 Footings, Wall footings, Columns, Beams, & Slabs				
	Concrete (3000psi in 28 days)	131.75	cu.m.		
	Deformed Bar G40	6,587.50	kgs		
	Deformed Bar G60	9,222.50	kgs		
	Tie Wire	6.00	bundle		
	Consumables	1.00	lot		

	4.2 Structural Steel				
	Wide Flange Section	35,280.00	kgs		
	Stud Bolt 25mm.øx400mm. (A325) fully threaded	120.00	pc(s).		
	MS Plate 1.2m.x2.4m.x25 mm. STD	2.00	sheet(s)		
	Welding Electrode 3.0mm.ø(1/8"ø) E6011 20kg.	25.00	box(es)		
	Epoxy Primer Red Oxide	7.00	gal(s).		
	Industrial Oxygen	12.00	tank(s)		
	Liquified Petroleum Gas	6.00	tank(s)		
	Consumables,	1.00	lot		

			Material Cost	
			Labor Cost	
			Sub Total	

5.00	Finishing & Masonry Works				
	CHB Perimeter wall 6 " thk.	5,910.00	pcs		
	Ceramic Glazed Wall Tile Border 50 mm x 200mm	1.00	lot		
	Ceramic Glazed wall Tile 300 mm x 300mm @ CR wall	1.00	lot		
	Ceramic non skid floor tiles 300mm x 300mm	1.00	lot		
	Tile adhesive	40.00	bags		
	Tile Grout (2Kg.)	12.00	bags		
	Tile Trim	10.00	pcs		
	Cement	450.00	bags		
	Course Sand	75.00	cu m		
	10mmØ x 6 deformed bars G33	175.00	pcs		
	2" concrete nail	7.00	kgs		
	tie wire	1.00	bundle		
	consumables	1.00	lot		

			Material Cost	
			Labor Cost	
			Sub Total	

6.00	Floor Works				
	Homogenuous tile with anti bacterial, anti fungal property	250.00	sqr.mts		
	Installation of cove former	700.00	lm		
	Installation of capping strip	700.00	lm		
	Self levelling	529.00	sqr.mts		
	Consumables	1.00	lot		

			Material Cost	
			Labor Cost	
			Sub Total	

7.00	Road Network				
	105m x 6m x 6in Portland Cement Concrete Pavement with Co	472.50	cu.m.		
	Aggregate Base Coarse	252.00	cu.m.		
	Storm Drainage System	210.00	ln.m		

			Material Cost	
			Labor Cost	
			Sub Total	

8.00	Doors and Windows				
	Aluminum Panel Doors 900mm W x 2100mm H - 2 sets with view window	25.00	sets		
	Double Swing Tempered Glass Door	5.00	sets		
	Heavy Duty Door Closer "arm type"	4.00	units		
	PVC Door	4.00	units		
	Stainless Loose Pin Hinges 4" x 4"	36.00	pcs.		
	Weather Strip x 900mm L	15.00	lengths		

			Material Cost	
			Labor Cost	
			Sub Total	

13.00	Special Construction Works				
	Alumunim Composite Panel PVDF 4mm on aluminum framing and brackets	150.00	sq.m		

				Material Cost	
				Labor Cost	
				Sub Total	

14.00	Mechanical Works				
	Ceiling Concealed 5TR AHU with complete accessories	3.00	unit		
	Wall Mounted Super Inverter 2.5TR AHU with complete accessories	4.00	unit		
	600 x 1200 HEPA Filter	2.00	set		
	3500 CFM Mechanical Exhaust Blower	2.00	set		
	Aluminum Spiral Duct	2.00	pcs.		
	Galvanized Iron (GI) sheet Ga. 24	320.00	sheet		
	Canvass Cloth 30mm W	25.00	lm		
	Elastomeric Duct Sealant	120.00	gal.		
	Corner Angle	5,000.00	pcs.		
	TDC Clip	4,000.00	pcs.		
	Polyethylene Foan Insulation 25mm thk w/ One sided Aluminum backing (1.2m x 50m)	30.00	rolls		
	Duct Tape	450.00	rolls		
	Cement Adhesive	30.00	gal		
	Angle Bar 2"x 2"x 3/16"thk. X 6m	150.00	lengths		
	All Thread Rod 3/8"Ø	500.00	lengths		
	Grip Anchor 3/8"Ø	500.00	pcs.		
	Hexagonal Nut 3/8"Ø	1,600.00	pcs.		
	QDE Silver Gray	25.00	gal		
	Red Oxide Primer	25.00	gal		
	Globe Brush 2"	20.00	pcs.		
	Paint Thinner	40.00	gals.		
	Consumables	1.00	lot		

				Material Cost	
				Labor Cost	
				Sub Total	

15.00	Electronic Works				
	HVAC Main Control Unit (MCU)	2.00	set		

				Material Cost	
				Labor Cost	
				Sub Total	

16.00	Electrical Works				
	Electrical Panel Boards with ECB	1.00	lot		
	Power supply (Wires and Accessories)	1.00	lot		
	1200x600 Panel LED Lights	15.00	pcs		
	600x600 Panel LED Lights	15.00	pcs		
	6in Diameter Diffused Pin Light	30.00	pcs		
	3 Gang Convenience Outlet	60.00	pcs		
	3 Gang Switch	60.00	pcs		

			Material Cost	
			Labor Cost	
			Sub Total	

17.00	Painting Works				
	Walls,lockers & cabinets	2,100.00	sq.m.		
	Consumables	1.00	lot		

			Material Cost	
			Labor Cost	
			Sub Total	

I	DIRECT COST:				
	TOTAL MATERIAL COST				
	TOTAL LABOR COST				
	TOTAL DIRECT COST			P	
II	INDIRECT COST:				
a.	OVERHEAD	3.00%			
b.	CONTIGENCIES	3.00%			
c.	MISCELLANEOUS	4.00%			
d.	PROFIT	8.00%			
e.	MOBILIZATION/DEMOBILIZATION	1.00%			
f.	TAXES	12.00%	of I + II.a to II.e		
	TOTAL INDIRECT COST			P	
	TOTAL PROJECT COST			P	

Prepared By :