

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

ENGINEERING AND FACILITIES MANAGEMENT

PROJECT: DESIGN & BUILD OF PROPOSED 2-STOREY IPBM MALE WARD BLDG. WITH OPD WAITING AREA
LOCATION: SPMC - IPBM 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		
	Safety and Health Program	1.00	lot		

				Material Cost	
				Labor Cost	
				Sub Total	
2.00	Mobilization / Demobilization				
	Contractor's Temporary Facilities and Ammenities	1.00	lot		
				Material Cost	
				Labor Cost	
				Sub Total	
3.00	Temporary Shelter for Patients				
	Temporary Facilities and Ammenities	493.40	sqr. Mtrs		
				Material Cost	
				Labor Cost	
				Sub Total	
4.00	Material Testing & Research				
	Concrete Compressive Strength Test & Deformed Bars Bend, Yield Strength and Tensile Strength Test, FDT	1.00	lot		

				Labor Cost	
				Sub Total	

5.00	Site/Earth Works				
	Site Clearing & Waste Disposal	1.00	lot		
	Staking , Layout & batter boards	1.00	lot		
	Excavation	108.65	cu.m.		
	Filling/Backfilling/Compaction	62.80	cu.m.		
	Gravel bedding (yy Blended Gravel)	36.00	cu.m.		
	Assorted coco lumbers	2,400.00	bf		
	3/8" ordinary plywood	25.00	sheets		
	Assorted CWN	5.00	kegs		
	Soil Poisoning / Treatment	1.00	lot		
	Consumables	1.00	lot		

				Material Cost	
				Labor Cost	
				Sub Total	

6.00	Structural Works				
	4.1 Footings, Wall footings, Columns, Beams, & Slabs				
	Concrete (3000psi in 28 days)	131.75	cu.m.		
	Deformed Bar G40	3,865.00	kgs		
	Deformed Bar G60	4,058.00	kgs		
	Tie Wire	5.00	bundle		
	Consumables	1.00	lot		

	4.2 Structural Steel				
	Wide Flange Section	23,596.00	kgs		
	Stud Bolt 25mm.øx400mm. (A325) fully threaded	95.00	pc(s).		
	MS Plate 1.2m.x2.4m.x25 mm. STD	3.00	sheet(s)		
	Welding Electrode 3.0mm.ø(1/8"ø) E6011 20kg.	20.00	box(es)		
	Epoxy Primer Red Oxide	7.00	gal(s).		
	Industrial Oxygen	18.00	tank(s)		
	Liquified Petroleum Gas	14.00	tank(s)		
	Consumables,	1.00	lot		

			Material Cost	
			Labor Cost	
			Sub Total	

7.00	Finishing & Masonry Works				
	CHB Perimeter wall 6 " thk.	4,689.00	pcs		
	Concrete Slab	984.90	sqr. mts		
	Ceramic Glazed wall Tile 300 mm x 300mm @ CR wall	1.00	lot		
	Granite floor tiles 600mm x 600mm	1.00	lot		
	Tile adhesive	40.00	bags		
	Tile Grout (2Kg.)	15.00	bags		
	Tile Trim	45.00	pcs		
	Cement	358.00	bags		
	Coarse Sand	71.00	cu m		
	10mmø x 6 deformed bars G33	162.00	pcs		
	Stair Reinforcement Works	1.00	lot		
	Stair Railings, Ramps, & Balconies	1.00	lot		
	2"X 2"X 3/16" welded wire fabric on 2"x2"x1.5mm B.I. Tubular frame in paint finish	146.00	ln.m		
	2" concrete nail	7.00	kgs		
	tie wire	1.00	bundle		
	consumables	1.00	lot		

			Material Cost	
			Labor Cost	
			Sub Total	

8.00	Covered OPD Waiting Area (50 seaters) & Romp and Roll Facility				
	C-Purlins 50mm.x100mm.x1mm	18.00	pcs		
	50mm dia. x 6.0 m. . Sch. 40 B.I. Pipe	5.00	lengths		
	Longspan Roofing 1.3mm thk.	170.00	lm		
	2" teck screw	486.00	pcs		
	blind rivets (assorted)	2.00	box(es)		
	elastomeric sealant	4.00	cans		
	10mm ø plain round bar for sag rods	16.00	length(s)		
	Consumables,	1.00	lot		

			Material Cost	
			Labor Cost	
			Sub Total	

9.00	Doors and Windows				
	Aluminum Panel Doors 900mm W x 2100mm H - 2 sets with view window	4.00	sets		
	Double Swing Tempered Glass Door	4.00	sets		
	Heavy Duty Door Closer "arm type"	7.00	units		
	PVC Door	13.00	units		
	Hollow core flush type door	22.00	sets		
	Stainless Loose Pin Hinges 4" x 4"	36.00	pcs.		
	Weather Strip x 900mm L	15.00	lengths		

			Material Cost	
			Labor Cost	
			Sub Total	

10.00	Plumbing Works				
	Water Closet	30.00	sets		
	Lavatory set	7.00	sets		
	Lavatory with Pedestal	2.00	sets		
	Accessories	1.00	lot		
	Waterlines	1.00	lot		
	Plumbing Lines	1.00	lot		
	Consumbles	1.00	lot		

			Material Cost	
			Labor Cost	
			Sub Total	

11.00	Carpentry Works				
	Shelves, cabinets, drawers				
	19mm thk plyboard	126.00	pcs		
	2" finishing nails	2.00	box		
	drawer guide	32.00	sets		
	Wood glue	8.00	gals.		
	concealed hinges	86.00	pcs		
	lock sets	26.00	sets		
	shutter handles	64.00	pcs		

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12.00	Ceiling Works				
	PVC Laminted Board Board on T-Runner with C-channel Hanger	548.00	sq.m		
	Anodized Aluminum Main Tee	95.00	lengths		
	Anodized Aluminum Cross Tee	125.00	pcs		
	T-Connector	48.00	pcs		
	Cross Connector	98.00	pcs		
	Anodized Aluminum Wall Angles	25.00	lengths		
	All Thread Rod 3/8"Ø	74.00	pcs		
	Turn Buckle	110.00	pcs		
	Botls and Nuts	224.00	pcs		
	12mm thk. Plywood	25.00	pcs		
	2" x 2" lawaan lumber	389.33	bf		
	4" common wire nails	1.00	box		
	3" common wire nails	1.00	box		
	Consumables	1.00	lot		

			Material Cost	
			Labor Cost	
			Sub Total	

13.00	Roofing /canopies / Alum. Cladding and Welding Works				
	Steel Deck	523.00	sq.m.		
	Steel Truss (Angular Bar 55mm.x55mm.x5mm)	2,800.00	kg		
	Longspan Roofing 1.3mm thk.	822.00	lm		
	Metalplas Gutter 1.3mm thk.	22.00	pcs		
	Metalplas Wall Flashing 1.3mm thk.	22.00	pcs		
	2" teck screw	1,200.00	pcs		
	blind rivets (assorted)	4.00	box(es)		
	elastomeric sealant	8.00	cans		
	C-Purlin 100mm.x50mmx0.8mmx6m	146.00	length(s)		
	12mm ø plain round bar for tension rods	52.00	length(s)		
	12mm ø turn buckle	24.00	pcs		
	10mm ø plain round bar for sag rods	33.00	length(s)		
	Alumunim Composite Panel PVDF 4mm on aluminum framing and brackets	230.00	sq.m		
	Consumables,	1.00	lot		

				Material Cost	
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				Sub Total	
14.00	Mechanical & Special Construction Works				
	14.1 Dumbwaiter				
	Food Dumbwaiter , 24 volts control system, 304 stainless steel hairline finish.	1.00	lot		
	14.2 Linen Chute				
	Stainless steel Linen Chute	1.00	lot		

				Material Cost	
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15.00	Electrical Works				
	Electrical Panel Boards with ECB	1.00	lot		
	Power supply (Wires and Accessories)	1.00	lot		
	4" dia. Duct Fans	25.00	pcs		
	1200x600 Panel LED Lights	28.00	pcs		
	600x600 Panel LED Lights	30.00	pcs		
	6in Diameter Diffused Pin Light	55.00	pcs		
	3 Gang Convenience Outlet	68.00	pcs		
	3 Gang Switch	50.00	pcs		

				Material Cost	
				Labor Cost	
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16.00	Painting Works				
	Walls,lockers & cabinets	2,400.00	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	9%			
e.	MOBILIZATION/DEMOBILIZATION	1.00%			
f.	TAXES	5.00%	of I + II.a to II.e		
	TOTAL INDIRECT COST			P	
	TOTAL PROJECT COST			P	

Prepared By :

Contractor