

Name of Project : CONSTRUCTION OF 2-STOREY with ROOF DECK BIOTECH LABORATORY BUILDING

Project Owner : Philippine Fiber Industry Development Authority

Location : PhilFIDA, BAI Compound, Visayas Avenue, Diliman, Quezon City

Subject : DETAILED QUANTITY & COST ESTIMATES (2nd to Roof Deck)

LINE NO.	ITEM DESCRIPTION	UNIT	QTY	MATERIALS COST		LABOR COST		LINE TOTAL
				UNIT	TOTAL	UNIT	TOTAL	
1.0	PRELIMINARIES							
	Mobilization/ Demobilization	lot	2.00					
	Building and Occupancy Permits	lot	1.00					
	As-Built Plans	lot	1.00					
2.00	SITE PREPARATION							
	Temporary Facilities	LS	1.00					
	Temporary Utilities (power, water, sewer, etc)	LS	1.00					
	Testing and Commissioning	LS	1.00					
	Temporary Enclosure	LS	1.00					
	Water & Electricity (consumption)	LS	1.00					
3.00	CONCRETE WORKS							
	CONCRETE COLUMN,C1 (17)	m³	10.81					
	CONCRETE COLUMN, C2 (4)	m³	1.59					
	STAIR (2ND TO 3rd FLOOR,SLAB, RISER & STEPS)	m³	2.11					
	SUSPENDED SLAB	m³	25.60					
	CONCRETE BEAM 1	m³	14.94					
	SHEAR WALL	m³	7.79					
	CANTILEVER BEAM	m³	1.86					
	EDGE BEAM	m³	1.82					
4.00	RSB WORKS							
	CONCRETE COLUMN, C1 (17)							
	20MM Ø X 7.5M RSB	KGS	1,886.87					
	10MM Ø X 6M RSB	KGS	568.81					
	CONCRETE COLUMN, C2 (4)							
	20MM Ø X 7.5M RSB	KGS	221.98					
	16MM Ø X 7.5M RSB	KGS	142.02					
	10MM Ø X 6M RSB	KGS	379.21					
	STAIR (2ND TO 3rd FLOOR, RISER & STEPS)							
	12MM Ø X 6M RSB	KGS	266.40					
	10MM Ø X 6M RSB	KGS	140.59					
	SUSPENDED SLAB							
	12MM Ø X 6M RSB	KGS	2,903.76					
	CONCRETE BEAM 1							
	20MM Ø X 7.5M RSB	KGS	998.73					
	20MM Ø X 9M RSB	KGS	1,131.90					
	10MM Ø X 6M RSB	KGS	971.15					
	SHEAR WALL							
	25MM Ø X 7.5M RSB	KGS	867.15					
	20MM Ø X 7.5M RSB (VERT. BAR)	KGS	1,220.67					
	12MM Ø X 6M RSB	KGS	705.96					
	CANTILEVER BEAM							
	20MM Ø X 7.5M RSB	KGS	323.66					
	10MM Ø X 6M RSB	KGS	110.99					
	EDGE BEAM							
	16MM Ø X 6M RSB	KGS	201.20					
	10MM Ø X 6M RSB	KGS	64.75					
	TIE WIRE							
	#16 TIE WIRE	ROLLS	13.00					

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5.00	FORMS & SCAFFOLDING							
	5/8 X 4' X 8' Phenolic Marine Plywood	PCS	20.00					
	0.60mm thick Steel Decking permanent form	m ²	326.00					
	Steel Scaffolding (Rental)	m ²	326.00					
	200- 2' X 3' X 12' Good lumber	Bd. Ft	400.00					
	Assorted CW Nails	Box	2.00					
6.00	MASONRY WORKK							
	2nd Floor to Roof Deck							
	6" x 8" x 16" CHB (WITH MORTAR & FILLER)	m ²	152.02					
	4" x 8" x 16" CHB (WITH MORTAR & FILLER)	m ²	134.20					
	12MMφ X 6 M	KGS	559.44					
	10MMφ X 6 M	KGS	323.72					
	# 10 TIE WIRE	KGS	5.00					
	PLASTERING							
	WALLS	m ²	572.44					
7.00	INTERIOR GLASS PARTITIONS							
	INTERIOR DRY WALLS	m ²	105.73					
8.00	CEILING WORKS							
	INTERIOR CEILING	m ²	166.77					
9.00	DOORS & WINDOWS							
	ALUMINUM FRAMED GLASS SWING DOORS, 1.50m x 2.1m							
	COMPLETE W/ ACCESSORIES (@ elevator Lobby)	set	1.00					
	METAL FLUSH DOORS, 0.70m x 2.1m							
	COMPLETE W/ ACCESSORIES (Electrical Room)	set	1.00					
	DOORS w/ JAMBS complete w/ accessories							
	METAL FLUSH DOOR, 0.70m x 2.10m (Fire Escape)	set	1.00					
	AL. FRAMED GLASS DOOR, 0.90m x 2.10m (Laboratory)	sets	8.00					
	WOODEN FLUSH DOOR, 0.70m x 2.10m (Pantry & Toilet)	sets	3.00					
	ALUMINUM FLUSH DOORS, 0.90m x 2.10m (Offices)	sets	10.00					
10.00	SANITARY WORKS							
	SANITARY SYSTEM							
	Water Closet with complete accessories	sets	2.00					
	Urinal with complete accessories	set	1.00					
	Kitchen Sink with complete accessories	set	1.00					
	Lavatory with complete accessories	sets	2.00					
	4"Ø x 3M PVC neltex approved equal	pcs	34.00					
	2"Ø x 3M PVC neltex approved equal	pcs	69.00					
	2"Ø P trap PVC neltex approved equal	pcs	10.00					
	4"x4"elbows, tee, wye PVC neltex approved equal	pcs	34.00					
	4"x 2"elbows, tee, wye PVC neltex approved equal	pcs	41.00					
	2"x 2"elbows, tee, wye PVC neltex approved equal	pcs	43.00					
	PVC SOLVENT NELTEX 400 ML	pcs	10.00					
	METAL HANGERS	pcs	120.00					
	4 X 4 SS FLOOR DRAIN	pcs	10.00					
	4"Ø CLEAN OUT	pcs	4.00					
	2"Ø CLEAN OUT	pcs	8.00					
	CONSUMABLES	lot	1.00					
	WATER SYSTEM							
	3/4"Ø x 3M PVC BLUE #40	pcs	80.00					
	1/2"Ø x 3M PVC BLUE #40	pcs	80.00					
	3/4"Ø elbows, tee, coupling, adaptor, etc	pcs	80.00					
	1/2"Ø elbows, tee, coupling, adaptor, etc	pcs	90.00					
	3/4 x 1/2 reducer & tee	pcs	40.00					
	Faucet, heavy duty	sets	11.00					
	CONSUMABLES	lot	1.00					
	CISTERN TANK	lot	1.00					
	SEPTIC TANK	lot	1.00					

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11.00	ELECTRICAL WORKS							
	Conduits and Boxes							
	4x4 Junction box with cover, poly	pcs	135					
	2 x 4 Utility Box, poly	pcs	76					
	20 mm Dia. Pvc Adoptor,poly	pcs	615					
	25 mm Dia. Pvc Adoptor,poly	pcs	26					
	32 mm Dia. Pvc Adoptor,poly	pcs	2					
	50 mm Diameter Pvc Adoptor,poly	pcs	18					
	100 mm Diameter Pvc Adoptor,poly	pcs	5					
	20 mm Dia. Pvc Long Elbow, thickwall, poly	pcs	154					
	25 mm Dia. Pvc Long Elbow, thickwall, poly	pcs	26					
	32 mm Dia. Pvc Long Elbow, thickwall, poly	pcs	3					
	50 mm Dia. Pvc Long Elbow, thickwall, poly	pcs	5					
	100 mm Dia. Pvc Long Elbow, thickwall, poly	pcs	5					
	20 mm Dia. Pvc ,pipe, thickwall, poly	pcs	350					
	25 mm Dia. Pvc, pipe , thickwall, poly	pcs	117					
	32 mm Dia. Pvc , pipe,thickwall, poly	pcs	5					
	50 mm Dia. Pvc , pipe,thickwall, poly	pcs	25					
	100 mm Dia. Pvc , pipe,thickwall, poly	pcs	17					
	20 mm Dia.C-clamp,poly	pcs	167					
	Solvent cement,400cc	can	7					
	1/2 mica tube	m	115					
	electrical tape, armak	roll	15					
	rubberize tape	roll	8					
	30 by 40 by 120cm wire gutter	sets	5					
	10by 30 by 30cm pull box	sets	3					
	miscellaneous/consumable	lot	1					
	wires							
	2.0mm sq. thhn/thwn,stranded, 600V,	boxes	6					
	3.5mm sq. thhn/thwn,stranded, 600V,	boxes	5					
	3.5mm sq.thhn/thwn,stranded, 600V,GREEN,	boxes	6					
	5.5mm sq. thhn/thwn,stranded, 600V,	boxes	4					
	8.0mm sq. thhn/thwn,stranded, 600V,	boxes	1					
	14.0mm sq. thhn/thwn,stranded, 600V,	m	50					
	22.0mm sq. thhn/thwn,stranded, 600V,	m	20					
	30.0mm sq. thhn/thwn,stranded, 600V,	m	23					
	38mm sq. thhn/thwn,stranded, 600V,	m	115					
	200mm sq. thhn/thwn,stranded, 600V,	m	8					
	250 mm sq. thhn/thwn,stranded, 600V,	m	115					
	50mm sq. bare copper wire,stranded	m	50					
	fixtures							
	One Gang Switch,16A,250V	sets	4					
	Two Gang Switch, ,16A,250V	sets	5					
	Three Gang Switch, 16A,250V	sets	7					
	One Gang three way Switch, ,16A	sets	2					
	Duplex Convenience Outlet W/ Grounding Universal, 16A,250V	sets	29					
	floor mounted convenience outlet,16A, 250V	sets	3					
	Aircon Outlet, Wide Series,20A,250V	sets	8					
	5watts cfl in 4 inches reflector(pinlight)	sets	11					
	18w cfl in 4by4 receptacle	sets	13					
	2by18w flourescent lamp with reflector,aluminium louver electronics ballast, 60cm by 60cm	sets	51					
	breakers and panel board							
	Molded case Circuit Breaker,125A main, Bolt-on,3 Pole 65 kaic @ 250V, 18 Branches,2 Pole,Bolt-on 6-15A,7-20A,5-30,10kaic	sets	4					
SUMMARY						TOTAL DIRECT COST (PhP)		
						CONTINGENCY (PhP)		
						OH/MARK-UP (PhP)		
						VAT (PhP)		
						TOTAL PROJECT COST (PhP)		

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