

PROJECT : IMPROVEMENT OF THE FPUL CHEMICAL, WET LAB AND DYNAMIC SPINNING MACHINE AREAS  
 OWNER : PHILIPPINE FIBER INDUSTRY DEVELOPMENT AUTHORITY  
 LOCATION : FPUL BUILDING, BAI COMPOUND, VISAYAS AVENUE, VASRA, QUEZON CITY  
 DURATION: SIXTY (60) WORKING DAYS

**BILL OF MATERIALS**

**PROJECT A. PROVISION OF ENCLOSURE FOR FPUL WET LABORATORY AREA**

PARTICULARS		QUANTITY	UNIT	UNIT PRICE	AMOUNT
<b>I. AREA PREPARATION, SITE CLEARING &amp; PROVISION</b>					
	<b>OF SITE TEMPORARY ENCLOSURE/ SCAFFOLDING</b>	1	lot		
<b>II. INSTALLATION OF FIXED GLASS PARTITION</b>					
	2" x 4" Aluminum, tubular	14	pcs		
	Snap on base and corner (50 BC)	24	pcs		
	1/4" Clear glass, 6' x 4'	15	pcs		
	Black screw for metal, 3" length	3	box		
	Blind rivets, 1/8" x 1/2"	3	box		
	Sealant (brown), 280ml	20	pcs		
	Tox, #5	3	box		
	4" x 4" x 6mm Angle bar	2	pcs		
	10mm X 1" expansion bolt	50	pcs		
<b>III. INSTALLATION OF FLOOR GRATE</b>					
	1" x 1" x 6mm Angle bar	3	pcs		
	10mm Square bar	5	pcs		
	Checkered plate, 4' x 8' x 2mm	1	pc		
	Welding rod, No. 7018, 3.2mmØ	3	kg		
	Metal cutting disc, 4"	10	pcs		
	Grinding disc, 4"	5	pcs		
	Red oxide	1	gal		
	Thinner	1	gal		
	Enamel paint	2	gal		
	Paint brush, 2"	2	pcs		
<b>IV. FABRICATED MATERIALS AND HARDWARES</b>					
	Two panel sliding pocket-type door, 1.5mW X 2.1mH	1	set		
	Single panel sliding pocket type door, 1meterW X 2.1mH	1	set		
	Executive door, 0.85mW X 2.1mH	1	set		
<b>V. DEMOLITION &amp; REPAIR OF TUB (WASH BASIN)</b>					
		1	lot		
<b>VI. DEMOLITION &amp; REPAIR OF BOTTOM FLOORING</b>					
		1	lot		
<b>VII. RELOCATION OF ELECTRICAL PANEL &amp; WIRINGS</b>					
		1	lot		

	AND CUPBOARD				
	<b>VIII. RESTORATION OF FLOOR, WALLS, CEILING,</b>	1	lot		
	<b>TILES &amp; PAINT</b>				
<b><i>SUB-TOTAL</i></b>					

**PROJECT B. IMPROVMENTS OF CHEMICAL AND WET LAB. OF FPUL**

PARTICULARS		QUANTITY	UNIT	UNIT PRICE, P	AMOUNT, P
<b>I. SITE/AREA CLEARING/REMOVAL OF EXSISTING OBSTRUCTION/CONCRETE FLOOR &amp; WALL CHIPPING</b>		2	lots		-
<b>II. TEMP. CONSTRUCTION AREA ENCLOSURE</b>		2	lots		-
<b>III. RESTORATION WORKS</b>					
	Portland cement	10	bags		
	Sand	2	m <sup>3</sup>		
	Floor Tiles, 30x30cm (chemical lab)	40	pcs		
	Wall Tiles, 30x30cm (chemical lab)	20	pcs		
	Floor Tiles, 60x60cm (Wet lab)	10	pcs		
	Wall Tiles, 30x30cm (Wet lab)	15	pcs		
	Tile grout	3	bags		
	Tile adhesive	3	bags		
	Assorted paints and putty	1	lot		
	Paint roller	1	pcs		
	Paint brush, 2"	2	pcs		
	Rags	3	kgs		
	Sand paper	20	pcs		
	GI # 16 Tie wire	3	kgs		
	Concrete nail, 2"	29	pcs		
<b>IV. PLUMBING WORKS</b>					
	PVC pipes, 3"dia. Orange	5	pcs		
	PVC pipes, 2"dia. Orange	3	pcs		
	Ppr pipes, 1"dia.	4	pcs		
	Assorted pipe fittings	1	lot		
	Solvent cement	3	can		
	Floor drain, S/S, 4X4"	3	pcs		
	Teflon tape	5	pcs		
<b>V. HARDWARES</b>					
	Shower head, stainless steel, rectangular, 10"X10", high quality, with accessories	2	pcs		
	Shower curtain railings, stainless steel, curved	2	pcs		
	Shower curtain, waterproof, pvc, clear, high quality	2	set		
	Shower lever handle, stainless steel, high quality	2	pc		
<b><i>SUB-TOTAL</i></b>					

**PROJECT C. PROVISION OF CEILING, LIGHTING, FLOOR TILES, COUNTER CABINETS, AND PAINTING OF CEILING AT DYNAMIC SPINNING MACHINE AREA**

<b>I. Provision of Ceiling</b>					
	¼" X 4' X 8' Marine Pywood	25.00	pc		
	2" x 3" x 12' Rough Lumber	15.00	pc		
	2" x 2" x 12' Rough Lumber	35.00	pc		
	3" Concrete Nail	2.00	kg		
	2½" CWN	5.00	kg		
	1" Finishing Nail	2.00	kg		
	Ceiling edging, decorative, 1/2" x 1" x 8' edging KD	15.00	pcs		
	Wood Preservative, colorless	3.00	gal		
<b>II. Provision of Lighting</b>					
	1-16 watts, S-COB LED Lumens light Output: 1,600 Lm Performance Range: 185v-265v Frosted Polycarbonate Cover Ingress Protection (IP) 54 Daylight, 26mmØ x 1200mmL Louver type with anodized aluminum reflector, 12" x 48" Similar to fumaco modena model or approved equivalent recess type	3.00	set		
	Electric copperwire 3.5mm <sup>2</sup> THHN	1/4	roll		
	Three (3) gang tumbler switch	1.00	set		
	Electrical tape	1.00	roll		
	pvc pipe 15mmØ x 3m	4.00	lts		
	pvc coupling 15mmdia	3.00	pc		
	pvc adapter 15mmdia	3.00	pc		
	metal bushing 15mmdia	8.00	pc		
	u-bolt with plastic tox and screw	12.00	pc		
	utility box gauge 16 metal	1.00	pc		
	metal octagonal box gauge 16	2.00	pc		
	metal square box	2.00	pc		
	pvc solvent cement 400cc	1.00	can		
	g.i. wire gauge 16	2.00	kg		
	red lead paint	1/4	gal		
	paint brush 3"dia	1.00	pc		
	hacksaw blade	1.00	pc		
<b>III. Installation of Floor Tiles</b>					
	Ceramic floor tiles, 60 cm x 60 cm	60.00	pc		
	Tile adhesive, heavy duty, 25 kg/bag	5.00	bag		
	Tile grout, 2 kg/bag	6.00	bag		
	Tile adhesive modifier	3.00	L		
<b>IV. Installation of Counter Cabinets</b>					
	2" x 2" x 12' kd lumber	11.00	pc		
	¾" x 4' x 8' Plywood	5.00	pc		

	1/2" x 4' x 8' Plywood	5.00	pc		
	1/2" x 1" x 10' KD Lumber	8.00	pc		
	Hinge, 30 mm x 65 mm	30.00	pc		
	Drawer guide/roller, 24"	12.00	pair		
	Wood glue	1.00	kg		
	1" Finishing nail	2.00	kg		
	Cabinet door closer/catches	22.00	sets		
	Cabinet door/drawer lock	22.00	sets		
	Cabinet handle	12.00	sets		
	wood screw, 1/2"L	200.00	pcs		
	<b>V. Painting of Ceiling and Counter Cabinets</b>				
	Wood Primer, water-based	4.00	gal		
	Top coat,white, Biofresh	4.00	gal		
	Top coat, vintage brown, Biofresh	3.00	gal		
	Wood putty, Biofresh	2.00	gal		
	Paint roller, 7"	1.00	pc		
	Paint roller, 4"	1.00	pc		
	Roller tray for Paint roller, 7"	1.00	pc		
	Roller tray for Paint roller, 4"	1.00	pc		
	Paint brush, 3"	1.00	pc		
	Paint brush, 1 1/2"	1.00	pc		
	Paint brush, 1"	1.00	pc		
	Sand paper	10.00	pc		
	Rugs	1.00	kg		
	Putty plate	1.00	pc		
	<b>VI. Area preparation, site clearing, scaffolding &amp; provision of site temporary enclosure</b>	1	lot		
				Direct Cost	
				Indirect Cost (17%)	
				Taxes (12%)	
				<b>Contract Cost</b>	
	<b>SUB-TOTAL</b>				

**a. Total Direct Cost (Mat.+ Labor)**

**b. Total Indirect Cost (17%)**

**c. Taxes (12%)**

**d. Total Contract Cost (a+b+c)**

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Prepared by:

Name:

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Signature:

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Address:

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Company:

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Date:

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