

PROJECT : CONSTRUCTION OF WEAVING, DYEING AND PROCESSING CENTER
 OWNER : PHILIPPINE FIBER INDUSTRY DEVELOPMENT AUTHORITY
 LOCATION : BGY. MALABOR, TIBIAO, ANTIQUE
 DATE : MAY 22, 2017

BILL OF MATERIALS/COST ESTIMATES

PARTICULARS		QUANTITY	UNIT	UNIT PRICE	AMOUNT
I. DEMOLITION/RESTORATION WORKS		1	lot	8,500.00	8,500.00
				Direct Cost	8,500.00
				Indirect Cost	1,275.00
				Tax	595.00
				Contract Cost	10,370.00
II. EARTH WORKS		12	m ³	300.00	3,600.00
				Direct Cost	3,600.00
				Indirect Cost	540.00
				Tax	252.00
				Contract Cost	4,392.00
III. CONCRETE AND MASONRY WORKS					
	class A concrete	4.63	m ³	3,500.00	16,205.00
	class B concrete	3.30	m ³	3,000.00	9,900.00
	Portland cement	55	bags	260.00	14,300.00
	Sand	5.42	m ³	500.00	2,708.46
	Gravel	1	m ³	800.00	800.00
	4" CHB	116	pcs	9.00	1,044.00
	5" CHB	634	pcs	10.00	6,340.00
	Ø12 mm Deformed bar	54	pcs	180.00	9,720.00
	Ø10 mm Deformed bar	202	pcs	120.00	24,240.00
	Gl # 16 Tie wire	15	kgs	75.00	1,125.00
				Material Cost	86,382.46
				Labor Cost	25,914.74
				Direct Cost	112,297.20
				Indirect Cost	16,844.58
				Tax	7,860.80
				Contract Cost	137,002.58
IV. FORM WORKS		1	lot	6,000.00	6,000.00
				Direct Cost	6,000.00
				Indirect Cost	900.00
				Tax	420.00
				Contract Cost	7,320.00
V. ROOF AND ROOF FRAMING WORKS					
	ridge/valley roll	70	m	50.00	3,500.00
	corr. G.I. sheet	220	m ²	200.00	44,000.00
	umbrella nails	8	kgs	84.00	630.00
	purlins, 2"x 3" Good Lumber	453	bd ft	50.00	22,650.00
	fascia board, 1"x 10", Good Lumber	145	bd ft	50.00	7,250.00
	TRUSS 1, 1 unit, Good Lumber	119	bd ft	50.00	5,950.00
	TRUSS 2, 1 unit, Good Lumber	62	bd ft	50.00	3,100.00

		HT 1, 4 units , Good Lumber	302	bd ft	50.00	15,100.00
		HT 1A, 3 units , Good Lumber	137	bd ft	50.00	6,850.00
		HT 1B, 3 units , Good Lumber	36	bd ft	50.00	1,800.00
		HT 1C, 2 units , Good Lumber	27	bd ft	50.00	1,350.00
		HT 1D, 1 unit , Good Lumber	25	bd ft	50.00	1,250.00
		HT 1E, 3 units , Good Lumber	118	bd ft	50.00	5,900.00
		HT 1F, 2 units , Good Lumber	16	bd ft	50.00	800.00
		HT 1G, 2 units , Good Lumber	18	bd ft	50.00	900.00
		HT 1H, 2 units, Good Lumber	20	bd ft	50.00	1,000.00
		HT 2, 1 unit, Good Lumber	52	bd ft	50.00	2,600.00
		HT 2A, 1 unit, Good Lumber	50	bd ft	50.00	2,500.00
		HT 3, 1 unit, Good Lumber	59	bd ft	50.00	2,950.00
		HT 3A, 1 unit, Good Lumber	44	bd ft	50.00	2,200.00
		HT 4, 1 unit, Good Lumber	68	bd ft	50.00	3,400.00
		HT 5, 1 unit, Good Lumber	69	bd ft	50.00	3,450.00
		Assorted CWN	20	kgs	60.00	1,200.00
				Material Cost		140,330.00
				Labor Cost		42,099.00
				Direct Cost		182,429.00
				Indirect Cost		27,364.35
				Tax		12,770.03
				Contract Cost		222,563.38
VI. CARPENTRY WORKS						
	6.1	CABINETS				
		3/4" plyboard	10	pcs	1,100.00	11,000.00
		1" x 2" KD wood nailers	10	bd ft	70.00	700.00
		2" x 3" KD S4S frames	40	bd ft	70.00	2,800.00
		Wood glue	2	pints	200.00	400.00
		Assorted nails	2	kgs	60.00	120.00
		hinges/handles/catches	1	lot	1,000.00	1,000.00
				Material Cost		14,500.00
				Labor Cost		4,350.00
				Direct Cost		18,850.00
				Indirect Cost		2,827.50
				Tax		1,319.50
				Contract Cost		22,997.00
		CEILING				
		1/4"thick marine plywood	32	pcs	350.00	11,200.00
		2x2 ceiling joist	395	bd ft	50.00	19,750.00
				Material Cost		30,950.00
				Labor Cost		9,285.00
				Direct Cost		40,235.00
				Indirect Cost		6,035.25
				Tax		2,816.45
				Contract Cost		49,086.70
VII. FABRICATED MATERIALS AND HARDWARES						
	7.1	DOORS AND WINDOWS				
		D1 panel door with jamb, 1.60 m.	1	pc	10,000.00	10,000.00
		D2 flush door with jamb, 0.90 m.	2	pcs	3,000.00	6,000.00
		D2 flush door with jamb, 0.60 m.	1	pcs	2,500.00	2,500.00

		WINDOWS (awning type uPVC with 1/4"thick clear glass)				-
						-
		W1, 1.55 x 1.17 m	8	pcs	4,533.75	36,270.00
		W2, 1.05 x 1.17 m	5	pcs	3,071.25	15,356.25
		W3, 0.55 x 1.17 m	4	pcs	1,608.75	6,435.00
		W4, 0.55 x 0.65 m	2	pcs	893.75	1,787.50
		W5, 1.55 x 0.60 m	1	pcs	2,325.00	2,325.00
		Door Locks	3	sets	350.00	1,050.00
		Hinges	7	sets	100.00	700.00
					Material Cost	82,423.75
					Labor Cost	24,727.13
					Direct Cost	107,150.88
					Indirect Cost	16,072.63
					Tax	7,500.56
					Contract Cost	130,724.07
VIII. FINISHING WORKS						
	8.1	TILE WORKS				
		TOILET & BATH				
		FLOOR , 20 cm x 20 cm	83	pcs	12.00	996.00
		WALLS , 20 cm x 30 cm	170	pcs	12.00	2,040.00
		Tile adhesive, heavy duty, 25 kg/bag	2	bags	250.00	500.00
		Tile grout, 2 kg/bag	2	kgs	60.00	120.00
					Material Cost	3,656.00
					Labor Cost	1,096.80
					Direct Cost	4,752.80
					Indirect Cost	712.92
					Tax	332.70
					Contract Cost	5,798.42
		COUNTER				
		WALLS (synthetic granite tiles, 60 cm x 60 cm)	14	pcs	150.00	2,100.00
		Tile adhesive, heavy duty, 25 kg/bag	1	bag	250.00	250.00
		Tile grout, 2 kg/bag	1	kg	60.00	60.00
					Material Cost	2,410.00
					Labor Cost	723.00
					Direct Cost	3,133.00
					Indirect Cost	469.95
					Tax	219.31
					Contract Cost	3,822.26
IX. SANITARY/PLUMBING WORKS						
	9.1	WATERLINES				
		PVC elbow, Ø ½" one end w/ thread	2	pcs	15.00	30.00
		PVC elbow, Ø ½" plain	12	pcs	15.00	180.00
		PVC tee, Ø ½", one end w/ thread	3	pcs	15.00	45.00
		PVC tee, Ø ½", plain	3	pcs	15.00	45.00
		PVC male adaptor, Ø ½"	6	pcs	15.00	90.00
		PVC end cap, Ø ½"	2	pcs	15.00	30.00
		PVC female adaptor, Ø ½"	6	pcs	15.00	90.00
		Ball valve, Ø ½", heavy duty metal	1	pcs	300.00	300.00
		Gate valve, Ø 3/4", heavy duty metal	1	pcs	400.00	400.00

	PVC cement	2	pint	170.00	340.00
	Teflon tape, ½"	2	roll	20.00	40.00
	PVC pipe, Ø ½" x 10'	10	pcs	100.00	1,000.00
	PVC pipe, Ø ¾" x 10'	2	pc	170.00	340.00
	PVC socket coupling, Ø ½"	10	pcs	15.00	150.00
	PVC reducer Ø ¾" x Ø ½"	1	pc	20.00	20.00
	Niple, Ø ½" x 2" G.I.	4	pcs	25.00	100.00
	Faucet, heavy duty	3	pcs	250.00	750.00
	Angle valve 1/2" x 1/2" for lavatory, heavy duty	2	pc	210.00	420.00
	Angle valve 1/2" x 1/2" for water closet, heavy duty	1	pc	220.00	220.00
	Shower fixture, heavy duty	1	set	500.00	500.00
				Material cost	5,090.00
				Labor Cost	1,781.50
				Direct Cost	6,871.50
				Indirect Cost	1,030.73
				Taxes	72.15
				Contract Cost	7,974.38
9.2	WATER CLOSETS, LAVATORIES AND OTHER TOILET FIXTURES				
	Water closet and accessories	1	set	5,000.00	5,000.00
	Lavatory, soap and tissue holder	1	set	1,500.00	1,500.00
				Material cost	6,500.00
				Labor Cost	2,275.00
				Direct Cost	8,775.00
				Indirect Cost	1,316.25
				Taxes	92.14
				Contract Cost	10,183.39
9.3	SANITARY LINES				
	4"Ø pvc pipe	2	pc	750.00	1,500.00
	4"Ø x 2"Ø pvc wye	4	pcs	250.00	1,000.00
	4"Ø pvc cleanout	1	pc	120.00	120.00
	2"Ø pvc pipe	6	pcs	235.00	1,410.00
	4"Ø x 2"Ø pvc reducer	2	pcs	125.00	250.00
	2"Ø pvc elbow 1/8 bend	2	pc	35.00	70.00
	2"Ø pvc elbow 1/4 bend	1	pcs	40.00	40.00
	2"Ø pvc tee	2	pc	67.00	134.00
	2"Ø pvc wye	1	pcs	70.00	70.00
	400 cc solvent cement	2	can	185.00	370.00
	4" x 4" stainless strainer push button heavy duty floor drain	1	pcs	200.00	200.00
	2"Ø p-trap pvc	3	pcs	95.00	285.00
	PVC sealant	2	pints	180.00	360.00
	rugs	1	kg	40.00	40.00
				Material cost	5,849.00
				Labor Cost	2,047.15
				Direct Cost	7,896.15
				Indirect Cost	1,184.42
				Taxes	82.91
				Contract Cost	9,163.48

X. ELECTRICAL WORKS						
10.1	ROUGHING-INS					
	pvc pipe 50mmØ x 3m	1	pc	250.00	250.00	
	pvc adapter 50mmdia	2	pcs	12.00	24.00	
	pvc pipe 20mmØ x 3m	36	pcs	130.00	4,680.00	
	pvc coupling 20mmØ	16	pcs	7.50	120.00	
	pvc adapter 20mmØ	14	pcs	8.50	119.00	
	metal bushing 20mmØ	14	pcs	3.00	42.00	
	u-bolt with plastic tox and screw	160	pcs	8.00	1,280.00	
	utility box gauge 16 metal	11	pcs	30.00	330.00	
	metal octagonal box gauge 16	8	pcs	30.00	240.00	
	metal square box	8	pcs	40.00	320.00	
	pvc solvent cement 400cc	3	cans	200.00	600.00	
	g.i. wire gauge 16	3	kgs	60.00	180.00	
	red lead paint	2	li	120.00	240.00	
	paint brush 3"dia	2	pcs	35.00	70.00	
	hacksaw blade	2	pcs	42.00	84.00	
				Material cost	8,579.00	
				Labor Cost	2,573.70	
				Direct Cost	11,152.70	
				Indirect Cost	1,672.91	
				Taxes	117.10	
				Contract Cost	12,942.71	
10.2	WIRES AND WIRING DEVICES					
	Electric copperwire 3.5mm ² THHN	2	rolls	3,500.00	5,250.00	
	Electric copperwire 8.0mm ² THHN	50	m	40.00	2,000.00	
	Duplex convenience outlet with ground	12	sets	300.00	3,600.00	
	Single tumbler switch	2	sets	120.00	240.00	
	Two (2) gang tumbler switch	3	sets	200.00	600.00	
	Two (2) way tumbler switch	6	sets	350.00	2,100.00	
	Electrical rubber tape	4	roll	70.00	280.00	
	Electrical tape	4	roll	40.00	160.00	
				Material cost	14,230.00	
				Labor Cost	4,269.00	
				Direct Cost	18,499.00	
				Indirect Cost	2,774.85	
				Taxes	680.40	
				Contract Cost	21,954.25	
10.3	LIGHTING FIXTURES AND LAMPS					
	4 watts, LED in keyless porcelain receptacle	7	sets	300.00	2,100.00	
	18 watts, S-LED Daylight, 60mmØ x 120mmL	17	sets	500.00	8,500.00	
				Material cost	10,600.00	
				Labor Cost	3,180.00	
				Direct Cost	13,780.00	
				Indirect Cost	2,067.00	
				Taxes	1,109.29	
				Contract Cost	16,956.29	

10.4	PANEL BOARD				
	Panel Board LPP 40AT, 50AF, 2P THQD, 22KAIC bolt-on	1.00	set	7,400.00	7,400.00
	6-20 AT, 50 AF, 2P THQD bolt-on				
	2-30 AT, 50 AF, 2P THQD bolt-on				
				Material cost	7,400.00
				Labor Cost	2,220.00
				Direct Cost	9,620.00
				Indirect Cost	1,443.00
				Taxes	774.41
				Contract Cost	11,837.41
				Total Direct Cost	563,542.22
				Total Indirect Cost	84,531.33
				Total Taxes	37,014.75
				Total Contract Cost	685,088.31
				SAY	685,000.00

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