

Section VIII. Bill of Quantities

Notes on the Bill of Quantities

Objectives

The objectives of the Bill of Quantities are:

- a. to provide sufficient information on the quantities of Works to be performed to enable Bids to be prepared efficiently and accurately; and
- b. when a Contract has been entered into, to provide a priced Bill of Quantities for use in the periodic valuation of Works executed.

In order to attain these objectives, Works should be itemized in the Bill of Quantities in sufficient detail to distinguish between the different classes of Works, or between Works of the same nature carried out in different locations or in other circumstances which may give rise to different considerations of cost. Consistent with these requirements, the layout and content of the Bill of Quantities should be as simple and brief as possible.

Daywork Schedule

A Daywork Schedule should be included only if the probability of unforeseen work, outside the items included in the Bill of Quantities, is high. To facilitate checking by the Entity of the realism of rates quoted by the Bidders, the Daywork Schedule should normally comprise the following:

- a. A list of the various classes of labor, materials, and Constructional Plant for which basic daywork rates or prices are to be inserted by the Bidder, together with a statement of the conditions under which the Contractor will be paid for work executed on a daywork basis.
- b. Nominal quantities for each item of Daywork, to be priced by each Bidder at Daywork rates as Bid. The rate to be entered by the Bidder against each basic Daywork item should include the Contractor's profit, overheads, supervision, and other charges.

Provisional Sums

A general provision for physical contingencies (quantity overruns) may be made by including a provisional sum in the Summary Bill of Quantities. Similarly, a contingency allowance for possible price increases should be provided as a provisional sum in the Summary Bill of Quantities. The inclusion of such provisional sums often facilitates budgetary approval by avoiding the need to request periodic supplementary approvals as the future need arises. Where such provisional sums or contingency allowances are used, the SCC should state the manner in which they will be used, and under whose authority (usually the Procuring Entity's Representative's).

The estimated cost of specialized work to be carried out, or of special goods to be supplied, by other contractors should be indicated in the relevant part of the Bill of Quantities as a particular provisional sum with an appropriate brief description. A separate procurement procedure is normally carried out by the Procuring Entity to select such specialized contractors. To provide an element of competition among the Bidders in respect of any facilities, amenities, attendance, etc., to be provided by the successful Bidder as prime Contractor for the use and convenience of the specialist contractors, each related provisional sum should be followed by an item in the Bill of Quantities inviting the Bidder to quote a sum for such amenities, facilities, attendance, etc.

Signature Box

A signature box shall be added at the bottom of each page of the Bill of Quantities where the authorized representative of the Bidder shall affix his signature. Failure of the authorized representative to sign each and every page of the Bill of Quantities shall be a cause for rejection of his bid.

These Notes for Preparing a Bill of Quantities are intended only as information for the Procuring Entity or the person drafting the Bidding Documents. They should not be included in the final documents.



PHILIPPINE FIBER INDUSTRY DEVELOPMENT AUTHORITY
 FPUL, BAI Compound, Visayas Avenue, Vasra, Quezon City, NCR 1128
 Website: philfida.da.gov.ph; Direct Line: (02) 8531-7854

PROJECT : FIBER INNOVATION AND PROCESSING MACHINE WORKSHOP
OWNER : PHILIPPINE FIBER INDUSTRY DEVELOPMENT AUTHORITY (PHILFIDA)
LOCATION : FPUL, BAI COMPOUND, VISAYAS AVENUE, VASRA, QUEZON CITY
DURATION : 90 CALENDAR DAYS

BILL OF MATERIALS

PARTICULARS		QUANTITY	UNIT	UNIT PRICE	AMOUNT
I. GENERAL REQUIREMENTS					
	Mobilization/ Demobilization	1	lot		
	Safety and Health Requirments (PPE)	1	lot		
	Site clearing and hauling of debris	1	lot		
	Temporary facilities / Staging area	1	lot		
	Tarp, Tools and Equipment	1	lot		
	Board up	1	lot		
	Scaffoldings and support	1	lot		
II. SITE PREPARATION					
	Removal of all condemned tools and equipment	1	lot		
	Demolition Works: Dismantling and removal of existing roofing, steel framing and steel structural support	1	lot		
III. EARTH WORKS					
	Excavation works (for column and wall footing)	1	lot		
	Backfilling	1	lot		
IV. STRUCTURAL WORKS					
4.1	CONCRETING AND MASONRY				
	Portland cement, 40kg	295	bags		
	Sand, S1	4	TLoad		
	White sand	4	TLoad		
	Gravel, 3/4" dia	4	TLoad		
	Ø16 mm Deformed bar	18	pcs		
	Ø12 mm Deformed bar	148	pcs		
	Ø10 mm Deformed bar	325	pcs		
	GI # 16 Tie wire, 22kg	3	roll		
	Concrete nail, 2"	50	pcs		
	Cutting wheel, 14"dia	2	pcs		
	6" CHB	1221	pcs		
	4" CHB	125	pcs		
4.2	STEEL AND ROOFING WORKS				
	Tubular, 50x150x2mm	10	pcs		
	C-purlins, 50x100x1.2mm	20	pcs		
	Angle bar, 2"x1/4"	45	pcs		

		Tex screw, 2"	1500	pcs		
		Sealant elastomeric	2	gal		
		Silicon sealant	6	can		
		Rib-type roof sheets, pre-painted, 0.5mm thk., 1.06m eff. Cover, red	85	lm		
		Gutter, stainless steel sheet 1mm thick	4	pcs		
		Flashing, 0.5, pre-painted, gray	7	pcs		
		Round bar 12mm dia. Sag Rod	10	pcs		
		Blind rivet 5/32"	2	box		
		Welding electrode, 2.5 special	25	kg		
		3"Ø pvc pipe, orange (down spout)	3	pcs		
		3" x 90 Elbow (down spout)	6	pcs		
		Cutting wheel, 14" dia	2	pcs		
		Cutting disc, 4" dia	20	pcs		
		Grinding disc, 4" dia	10	pcs		
		Foam insulator, 12mm thick double sided, 50m	2	rolls		
		# 16 Tie wire	10	kg		
		Nails for Nailer gun	200	pcs		
		Retrofitting of 6 existing columns	1	lot		
V. ARCHITECTURAL WORKS / FINISHING WORKS						
	5.1	DRY WALL				
		Metal stud, 32mm x 102mm, 0.8mm thickness, 3m	30	pcs		
		Metal tracks, 32mm x 102mm, 0.8mm thickness, 3m	15	pcs		
		Fiber cement board, 4' X 8' X 1/4 thickness	25	pcs		
		Blind rivets, 3/16 x 1/2"	3	box		
		Black screw, 1"	500	pcs		
		Drill bit, assorted size	5	pcs		
		Screw and tox, 1 1/2"	100	pcs		
		Nails for Nailer gun	300	pcs		
	5.2	DOORS AND WINDOWS				
		Double leaf swing door 1.6 X 2.1M Aluminum door w/ 6mm tempered glass (clear) w/ door handle and lock color : black powder coated finish	2	sets		
		Laminated swing door, 0.8 x 2.1m in 2"x4" solid door jamb w/ 4x4 s/s hinges with s/s "security" lever- type door knob color : (verify)	2	sets		
		Aluminum glass swing door 65X200cm with door jamb, hinge and lever-type door knob color : Silver	1	sets		
		1.2 X 0.8m, Awning window w/ 6mm clear tempered glass in powder coated black finish	4	sets		
		0.4 X 0.8 m Awning window w/ 6mm clear tempered glass in powder coated black finish	8	sets		

		1.2 X 1.6m Sliding window w/ 6mm clear tempered glass in powder coated black finish	1	sets		
		0.4 X 0.4 m Awning window w/ 6mm clear tempered glass in powder coated black finish	1	set		
	5.3	CEILING WORKS				
		PVC Ceiling panel, 250mm X 2.9m lenght, polywood	160	pcs		
		Metal furring 2x3/4x0.5mm	100	pcs		
		Wall angle 1x1x3m	60	pcs		
		Carrying channel 38mmx10mm	80	pcs		
		Blind rivet 5/16x1/2	2	box		
		Blind rivet 5/16x3/4	2	box		
		Drill bit, 1/8"	3	pcs		
		Mesh tape	2	pcs		
		Self tapping Screw, 1"	300	pcs		
		Channel Clip	350	pcs		
		PVC J-clip, 2.95mx9mm	20	pcs		
		PVC H-clip, 2.95mx9mm	10	pcs		
		No nails, adhesive	5	bottle		
		Nails for Nailer gun	300	pcs		
		VI. INTERIOR FINISHES				
	6.1	TILE WORKS				
		COMFORT ROOM				
		Floor , 60 cm x 60 cm, matte tile ceramics	8	pcs		
		Walls, 30cmX60cm, glossy tile ceramics	76	pcs		
		STORAGE ROOM				
		Floor , 60 cm x 60 cm, glossy tile ceramics	32	pcs		
		COUNTER TOP, WALL AND BENEATH FLOORING				
		60 cm x 60 cm, glossy tile ceramics	16	pcs		
		OTHER MATERIALS				
		Tile adhesive, 25 kg	15	bags		
		Tile grout, 2 kg	5	packs		
		Sand separator	2	m³		
		Portland Cement	10	bags		
		Tile cutting disc super thin	1	pc		
	6.2	WATER CLOSETS, LAVATORIES, AND OTHER TOILET FIXTURES				
		Water closet with flush and accessories, with soap and tissue holder and lavatory high quality and branded	1	set		
		4" x 4" stainless, heavy duty floor drain	1	pc		
		Kitchen Sink stainless steel with complete set of fittings	1	set		

		Shower set with faucet and heads 10"X10" stainless steel	1	set		
		Towel holder	1	set		
		Mirror, 40x60cm	1	set		
		Bidet set, stainless steel	1	set		
6.3		CABINETS AND SHELVES				
		Plyboard, 4'x8'x3/4" standard	8	pcs		
		Marine plywood, 4'x8'x 1/4"	1	pcs		
		Finishing nails, 1 1/2"	2	kgs		
		Finishing nails, 1/2"	1	kg		
		Wall Putty, ready to use	1	gal		
		Screw and tox, 1 1/2"	200	pcs		
		Saw blade 8"	1	pc		
		Drawer slider 24" heavy duty	4	set		
		Stainless handle	14	pcs		
		Concealed hinge, hydraulic, heavy duty	14	sets		
		Drill bit assorted sizes	1	set		
		Wood preservative	1	gal		
VII. PAINTING WORKS						
	7.1	ROOF FRAMES				
		Epoxy primer	5	gal		
		Lacquer thinner	4	gal		
	7.2	CABINETS AND SHELVES				
		Wood Primer water base	2	gal		
		Topcoat, high gloss, gray or off white quick dry	2	gal		
		Sand paper, assorted grits	30	pcs		
		Wall Putty,	2	gal		
	7.3	INTERIOR, EXTERIOR WALLS AND FLOOR PAINT				
		Latex paint, flat white, 16L	3	Pail		
		Topcoat, semi gloss latex, easy gray color, 16L	3	Pail		
		Topcoat, semi gloss latex, other color color	1	gal		
		Skimcoat, 25kg	8	bags		
		Rubberized floor paint	4	gal		
		Epoxy primer	4	gal		
		Lacquer thinner	4	gal		
		Skimcoat pallet assorted size	6	pcs		
	7.4	OTHER MATERIALS				
		Wood glue, 1L	2	L		
		Masking tape 2"	5	pcs		
		Paint roller 7"	4	pcs		
		Paint roller 4"	8	pcs		
		Paint trays	4	pcs		
		Paint brush 2"	5	pcs		
		Sandpaper # 100	30	pcs		

		Masking tape 1"	10	pcs		
		Gypsum tape	3	pcs		
		Round rags	5	kg		
VIII. SANITARY/ PLUMBING WORKS						
	8.1	WATERLINES				
		PPR pipe, Ø ½" , blue	10	pcs		
		Faucet, heavy duty, stainless steel	2	set		
		Kitchen Faucet, stainless steel heavy duty	3	set		
		Pipe clamp, 1/2"	25	set		
		Gate valve, 1/2", metal, heavy duty	2	set		
		Teflon big	10	set		
		Assorted 1/2" PPR elbows, tees and couplings	1	lot		
	8.2	SANITARY				
		4"Ø pvc pipe, orange	4	pc		
		2"Ø pvc pipe, orange	4	pc		
		400 cc solvent cement	4	can		
		Assorted 4" PVC elbows, tees, wye, p-trap, and clean-out	1	lot		
		Assorted 2" PVC elbows, tees, wye, p-trap, and clean-out, reducer	1	lot		
		Hack saw blade	2	pc		
IX. ELECTRICAL WIRINGS, LIGHTING , LOADS AND DEVICES						
		LED ceiling light, downlight slim, cool white, 12W, high quality	17	pcs		
		LED ceiling light, downlight slim cool white, 9W, high quality	5	pcs		
		Surface mounted LED light, daylight 9W, high quality	4	pcs		
		LED strip lights, high quality	1	set		
		Ceiling fan orbit type, heavy duty, industrial type	6	set		
		CCTV WiFi Camera, outdoor, full HD, waterproof	2	pcs		
		Stranded, copper wire, #14 THHN, 150m (White & Black)	2	box		
		Stranded, copper wire, #12 THHN, 150m (Red, Blue Yellow)	3	box		
		Stranded, copper wire, 8.0mm² THHN (Red, Blue Yellow)	75	m		
		Duplex convenience outlet, universal, with ground, 15A / 250V, high quality	8	pcs		
		AC convenience outlet, 20A / 250V, high quality	1	pcs		
		2 Gang Switch with LED Set, high quality	4	pcs		
		3 Gang Switch with LED Set, high quality	5	pcs		
		Electrical tape, big	5	pcs		
		Electrical flexible hose, 1/2" dia. X50m	2	rolls		
		PVC pipe, 1/2" dia. orange with fittings	10	pcs		

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X. VENTILATION AND FIRE CONTROL

XI. LANDSCAPING, FRONT PANELS AND SIGNAGE

XII. PROJECT MANAGEMENT

		Total Labor Cost
		Total Direct Cost (materials + labor)
		Total Indirect Cost (17%)
		Total Taxes (12%)
		Total Contract Cost

Signature Over Printed Name