

**FORMAT- B (Annexure-II)**

**Bill of Quantities ARM works (Civil) Non Residential**

Sl. No.	Description of Items	Qty.	Unit	Rate in Figure	Rate in words	Amount
1.	Brick work with F.P.S. bricks of class designation 75 in foundation and plinth in: Cement Mortar 1:4 (1 cement: 4 coarse sand)	1.25	Cum			
2.	Applying one coat of cement Primer of approved brand and manufacture on wall surface. Cement primer	50	Sq.m			
3.	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade: Old work( one or more coats)	50	Sq.m			
4.	Repairs to plaster of 12mm to 20 mm thickness in patches of area 2.5 sq.m and under i/e cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete including disposal of rubbish to the dumping ground within 50 metres lead: with cement mortar 1:4 (1 cement: 4 fine sand)	65	Sq.m			
5.	Renewing glass panes with putty and nails wherever necessary Float Glass panes thickness 4 mm	10	Sq.m			
6.	Refixing old glass panes with putty and nails	15	Sq.m			
7.	Renewal of old putty of glass panes (length)	20	Mtr.			
8.	Removing dry or oil bound distemper, by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete.	50	Sq.m			

9.	12 mm cement plaster of mix: 1: 4( 1 cement: 4 fine sand)	30	Sq.m			
10.	Digging holes in ordinary soil and refilling the same with the excavated earth mixed with manure or sludge in the ratio of 2:1 by volume ( 2 parts of stacked volume of earth after reduction by 20% : 1 part of stacked volume of manure after reduction by 8%) flooding with water, dressing including removal of rubbish and surplus earth, if any with all leads and lifts ( cost of manure, sludge or extra good earth if needed to be paid for separately): Holes 60 cm dia, and 60 cm deep	130	Each			
11.	Supplying and stacking of good earth at site including royalty and carriage up to 1 km ( earth measured in stacks will be reduced by 20% for payment)	10	Cum			
12.	Supplying and stacking at site dump manure from approved source including carriage up to 1 km (manure measured in stacks will be reduced by 8% for payment) Screened through sieve of I.S. designation 4.75mm	10	Cum			
13.	Trenching in ordinary soil upto a depth of 60 cm including removal & stacking of serviceable materials and then disposing of by spreading and neatly leveling with in a lead of 50 m and making up the trenched area to proper levels by filling with earth or earth mixed with sludge or/and manure before and after flooding trench with water (excluding cost of imported earth, sludge or manure).	8	Cum			
14.	Fine dressing the ground	100	100 Sq.m			
15.	Spreading of sludge, dump manure or/and good earth to required thickness (Cost of sludge, dump manure or / and good earth to be paid separately)	20	Cum			

16.	Mixing earth and sludge or manure in proportion specified or as directed.	20	Cum			
17.	Flooding the ground with water including making kiaries & dismantling the same	100	100 Sq.m			
18.	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade. (One or more coats on old work)	75	Sq.m			
19.	Finishing walls with water proofing cement paint of required shade: Old work (one or more coats applied @ 2.20 kg/10 sqm) over priming coat of primer applied @ 0.80 litres/10 sqm complete including cost of Priming coat.	100	Sq.m			
20.	Removing white or colour wash by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete.	100	Sq.m			
21.	Providing and fixing to existing door frames. 24mm thick factory made PVC door shutters made of styles and rails of a UPVC hollow section of size 59 x 24 mm and wall thickness 2 mm $\pm$ 0.2 mm with inbuilt edging on both sides. The styles and rails mitred and joined at the corners by means of M.S. galvanized/plastic brackets of size 75 x 220 mm having wall thickness 1.0 mm and stainless steel screws. The styles of the shutter reinforced by inserting galvanized M.S. tube of size 20 x 20 mm and 1 mm $\pm$ 0.1 mm wall thickness. The lock rail made up of 'H' section, a UPVC hollow section of size 100 x 24 mm and 2 mm $\pm$ 0.2 wall thickness fixed to the shutter styles by means of plastic/galvanized M.S. 'U' cleats. The shutter frame filled with a UPVC multi-chambered single panel of size not less than 620 mm, having over all thickness of 20mm and 1 mm $\pm$ 0.1 mm wall thickness. The	3.15	Sq.m			

	panels filled vertically and tie bar at two places by inserting horizontally 6 mm galvanized M.S. rod and fastened with nuts and washers, complete as per manufacturer's specification and direction of Engineer-in-charge. (For W.C. and bathroom door shutter).					
22.	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position: Kiln seasoned and chemically treated Hollock wood.	0.25	Cum			
23.	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. 40 mm dia	5	Each			
24.	Cement concrete flooring 1: 2 :4 ( 1 cement: 2 coarse sand: 4 graded stone aggregate) finished with a floating coat of neat cement including cement slurry, but excluding the cost of nosing of steps etc. complete. 40mm thick with 20 mm nominal size stone aggregate.	20	Sq.m			
25.	Providing and fixing soil, waste and vent pipes 100 mm dia, sand cast iron S&S pipe as per IS:1729	10	Mtr.			
26.	Providing and filling the joints with spun yarn cement slurry and cement mortar 1:2 ( 1 cement: 2 fine sand) in S.C.I./C.I. Pipes: (100 mm dia pipe)	5	Each			
27.	Providing and fixing bend of required degree with access door, insertion rubber washer 3 mm thick, bolts and nuts complete.					
	(i) 100 mm dia- Sand cast iron S & S as per IS-1729	5	Each			
	(ii) 75 mm dia- Sand cast iron S & S as per IS-3989	5	Each			

28.	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings. This includes jointing of pipe & fittings with one step CPVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge. (External work)					
	15 mm nominal outer dia. Pipes.	30	Mtr.			
	20 mm nominal outer dia. Pipes.	30	Mtr.			
	25 mm nominal outer dia. Pipes.	20	Mtr.			
29.	Providing and fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS:13592 Type including jointing with seal ring conforming to IS: 5382 leaving 10mm gap for thermal expansion. (i) Single socketed pipes. (110 mm diameter)	20	Mtr.			
30.	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, including cutting and making good the walls etc. (Internal work-Exposed on wall)					
	15 mm dia. Nominal bore	20	Mtr.			
	20 mm dia. nominal bore	15	Mtr.			
	25 mm dia. nominal bore	10	Mtr.			
31.	Providing and fixing PTMT bib cock of approved quality and colour, 15 mm nominal bore, 122 mm long. Weighing not less than 99 gms.	5	Each			
32.	Providing and fixing PTMT stop cock of approved quality and colour.					
	15 mm nominal bore, 86 mm long. Weighing not less than 88 gms.	5	Each			
	20mm nominal bore, 89 mm long. Weighing not less than 88 gms.	5	Each			

33.	Providing and fixing G.I. Union in existing G.I. pipe line, cutting and threading the pipe and making long screws including excavation, refilling the earth or cutting of wall and making good the same complete wherever required: (15 mm nominal bore)	5	Each			
34.	Providing and fixing aluminium tower bolts ISI marked anodized (anodic coating not less than grade AC 10 as per IS:1868) transparent or dyed to required colour or shade with necessary screws etc. complete:					
	200 x 10 mm	10	Each			
	150 x 10 mm	10	Each			
35.	Providing and fixing aluminium handles ISI marked anodized ( anodic coating not less than grade AC 10 as per IS: 1868) transparent or dyed to required colour or shade with necessary screws etc. complete: (125 mm)	5	Each			
36.	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. (External work)					
	15 mm dia. Nominal bore	10	Mtr.			
	20 mm dia. Nominal bore.	15	Mtr.			
	25 mm dia. Nominal bore	20	Mtr.			
37.	Providing and fixing PTMT Waste Coupling for wash basin and sink, of approved quality and colour. Waste coupling 31 mm of 79 mm length and 62 mm breadth weighing not less than 45 gms.	4	Each			
<b>Total</b>						

Rupees.....only.