

BILL OF QUANTITY

Name of Work : Repairing and Renovation of Women ITI Building at women ITI , Imphal West, Manipur

SI No	Description of items	Qty	Unit	Rate (in rupees)	
				(in figure)	(in words)
1	2	3	4	5	6
SH: DISMANTLING WORK					
1	Hacking of CC flooring including cleaning for surface etc. complete as per the direction of the Engineer-in-	33.34	cum		
SH: ALUMINIUM WORK					
11	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS : 1285, fixed with rawl plugs and screws or with fixing clips, or with expansion hold fasteners including necessary filling up of gaps at junctions, at top, bottom and sides with required EPDM rubber/ Neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleatangle, Aluminium snap beading for glazing / panelling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing and panelling to be paid for separately):				
	For fixed portion.				
	Powder coated aluminium (minimum thickness of powder coating 50 micron)	32.82	kg		

12	75mm overall thickness partition with 12.5mm thick double skin tapered edged plain Gypsum board conforming to IS: 2095: part I	20.00	sqm			
SH: FLOORING WORK						
13	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption's less than 0.08% and conforming to IS : 15622 of approved make in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement: 4 coarse sand) including grouting the joints with white cement and matching pigments etc., complete					
	Size of Tile 600 x 600 mm	222.25	sqm			
SH: ROOFING & CEILING						
14	Providing and fixing tiled False Ceiling of approved materials of size 595x595 mm in true horizontal level, suspended on inter locking metal grid of hot dipped galvanised steel sections (galvanized @ 120 gsm/sqm, both side inclusive) consisting of main "T" runner with suitably spaced joints to get required length and of size 24x38mm made from 0.30mm thick (minimum) sheet, spaced at 1200mm center to center and cross "T" of size 24x25mm made of 0.30mm thick (minimum) sheet, 1200mm long spaced between main "T" at 600mm center to center to form a grid of 1200x600 mm and secondary cross "T" of length 600mm and size 24x25mm made of 0.30 mm thick (minimum) sheet to be interlocked at middle of the 1200x600mm panel to form grids of 600x600mm and wall angle of size 21x21x0.3 mm and laying false ceiling tiles of approved texture in the grid including, required cutting/making, opening for services like diffusers, grills, light fittings, fixtures, smoke detectors etc. Main "T" runners to be suspended from ceiling using GI slotted cleats of size 27 x 37 x 25 x 1.6 mm fixed to ceiling with 12.5 mm dia and 50mm long dash fasteners, 4mm GI adjustable rods with galvanised butterfly level clips of size 85 x 30 x 0.8 mm spaced at 1200mm center to center along main T, bottom exposed width of 24mm of all T-sections shall be pre-painted with polyester paint, all complete at all heights as per specifications, drawings and as directed by Engineer in-Charge. (The rate is excluding the cost of tiles which will be paid					
	GI Metal ceiling Lay in plain Tegular edge Global white color tiles of size 595 x 595 mm, and 0.5 mm thick with 8 mm drop, made of GI sheet having galvanizing of 100 gms/sqm(both sides inclusive) and electro statically polyster powder coated of thickness 60 microns	41.44	sqm			
SH: FINISHING WORK						

15	Providing and applying white cement based putty of average thickness 1mm,of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	71.50	sqm		
16	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade.	71.50	sqm		
SH: WATER SUPPLY & SANITARY INSTALLATION					
17	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 pipes & fittings with one step CPVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge.				
	External work				
	100mm nominal outer dia Pipes	15.00	rm		
18	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge				
	Internal work				
	50 mm nominal outer dia Pipes	10.00	rm		
19	Providing and fixing wash basin with C.I. brackets, 15 mm dia CP Brass single hole basin mixer of approved quality and make, including painting of fittings and brackets, cutting and making good the walls wherever required				

	(a) White Vitreous China Wash basin size 550x400 mm with a 15 mm CP Brass	2.00	each		
20	Asianpaints Hand Shower with 1.5m flexible hose and hook 3 function: Normal, Massage, Turbo. RSTS104	2.00	each		
21	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931				
	a) 15 mm nominal bore	4.00	each		
22	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank.	2000.00	lit		