

BILL OF QUANTITY

Name of work: Providing of an aluminium partition and provision of a pantry inside the TIC office room at Technology Complex in IITG Campus.

Item No.	Description of item	Unit	Qty	Rate (₹)	Rate (in words)	Amount (₹)
1	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, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. 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 cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15) (Glazing, paneling and dash fasteners to be paid for separately) :					
	(a) For fixed portion	kg.	155.000			
	(b) For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately)	kg.	34.200			
2	Providing and fixing 12 mm thick prelaminated particle board flat pressed three layer or graded wood particle board conforming to IS: 12823 Grade I Type II, in panelling fixed in aluminum doors, windows shutters and partition frames with C.P. brass / stainless steel screws etc. complete as per architectural drawings and directions of engineer- in-charge.					
	(a) Pre-laminated particle board with decorative lamination on both sides	Sqm	6.800			

3	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge . (Cost of aluminium snap beading shall be paid in basic item):					
	(a) With float glass panes of 5 mm thickness (weight not less than 12.50 kg/sqm)	Sqm	9.600			
4	Providing and fixing sunflim HP chorcol 5/G-5 (Gareware Make)	Sqm	9.600			
5	Providing and fixing IS : 12817 marked stainless steel butt hinges (heavy weight) with stainless steel screws etc. complete :					
	(a) 100x60x2.50 mm	Each	8.00			
6	Providing and fixing aluminium handles, ISI marked, anodised (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 :					
	(a) 125 mm	Each	4.00			
7	Providing and fixing aluminium tower bolts, ISI marked, anodised (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 :					
	(a) 250x10 mm	Each	2.00			
8	Providing and fixing bright finished brass 100 mm mortice latch and lock, ISI marked, with six levers and a pair of anodised (anodic coating not less than grade AC 10 as per IS : 1868) aluminium lever handles of approved quality with necessary screws etc. complete.	Each	2.00			
9	Providing and fixing aluminium extruded section body tubular type universal hydraulic door closer (having brand logo embossed on the body, door weight upto 80 kg to 120 kg with double speed adjustment with necessary accessories and screws etc. complete.	Each	1.00			
10	Filling the gap in between aluminium frame & adjacent RCC/ Brick/ Stone work by providing weather silicon sealant over backer rod of approved quality as per architectural drawings and direction of Engineer-in-charge complete.					
	(a) Upto 5mm depth and 5 mm width	Rm	21.60			

11	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level					
	(a) Cement mortar 1:4 (1 cement :4 coarse sand)	Sqm	2.24			
12	15 mm cement plaster on rough side of single or half brick wall of mix:					
	(a) 1:6 (1 cement: 6 coarse sand)	Sqm	5.12			
13	Centering and shuttering including strutting, propping etc. and removal of form for					
	(a) Shelves (Cast in situ)	Sqm	2.24			
14	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement					
	(a) 1:1.5:3 (1 cement : 1.5 coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources)	Cum	0.17			
15	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level.	kg.	25.00			
16	Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels.	Sqm	3.20			
17	Providing edge moulding to 18 mm thick marble stone counters, Vanities etc., including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-Charge.					
	(a) Granite work	Rm	4.80			

18	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.	Sqm	4.14			
19	Providing and fixing flat pressed 3 layer particle board medium density exterior grade (Grade I) or graded wood particle board IS : 3087 marked, to frame, backing or studding with screws etc. complete (Frames, backing or studding to be paid separately): 18 mm thick	Sqm	19.20			
20	Providing and fixing IS : 12817 marked stainless steel butt hinges (heavy weight) with stainless steel screws etc. complete : 50x37x1.50 mm	Each	32.00			
21	Providing and fixing aluminium handles, ISI marked, anodised (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 : 75 mm	Each	16.00			
22	Providing and fixing magnetic catcher of approved quality in cupboard / ward robe shutters, including fixing with necessary screws etc. complete. Double strip (horizontal type)	Each	16.00			
23	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	Sqm	25.00			
24	Applying one coat of water thinnable cement primer of approved brand and manufacture on wall surface : (a) Water thinnable cement primer	Sqm	110.00			
25	Distempering with 1st quality acrylic distemper (ready mixed) of approved manufacturer, of required shade and colour complete, as per manufacturer's specification. (a) Two or more coats on new work	Sqm	110.00			

26	Providing and fixing white vitreous china wash basin including making all connections but excluding the cost of fittings					
	Flat back wash basin of size 630x450 mm	Each	1.00			
27	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.					
	20 mm nominal dia Pipes	Mtr	30.00			
28	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.					
	40 mm dia	Each	1.00			
29	Providing and fixing on wall face un-plasticised-Rigid PVC sewer pipes conforming to IS:13592 (6kg/sqcm) including jointing with seal ring conforming to IS:5382 leaving 10mm gap for thermal expansion single socketed pipes with all accessories as clamps, bend, door, horn bend, shoe, cowl etc. complete as directed :					
	(a) 110 mm dia	Rm	10.00			
30	Supply of 36 W 2x 2 Surface light Fittings as per Approved Brans (make - Philips/ Havells/CG/Bajaj)	Each	8			
31	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed steel conduit, with piano type switch, phenolic laminated sheet, suitable size MS box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required.					
	Group A	Point	8			
32	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.					
	5/6 A switch	Nos	18			
	3 pin 5/6 A socket outlet	Nos	18			
	15/16 A switch	Nos	4			
	6 pin 15/16 A socket outlet	Nos	4			

33	Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc.					
	3 Module (100mmX75mm)	Nos	4			
	6 Module (200mmX75mm)	Nos	3			
34	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required					
	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	meter	85			
Total Amount ₹ =						
Rebate if Any =						
Total Amount after rebate ₹ =						
Rounded off =						

(RupeesOnly)