

BOQ

Name of work : Repairing and Renovation of Labs at Department of Botany, Jamia Hamd

S.NO	Description	Qty	unit	Rate
1	Taking out existing wooden door shutter, repair by cutting, painting etc. and refixing of repaired door shutters to existing door frames, including replacement of hinges with screws, etc. as required, all complete as per the direction of the Engineer-in-charge.	3.00	Each	
2	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer - in- charge.	1.50	cum	
3	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in charge.			
	Nominal concrete 1:4:8 or leaner mix (i/c equivalent design mix)	1.20	cum	
4	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge.			
	In cement mortar	1.70	cum	
5	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead.			
	For thickness of tiles 10 mm to 25 mm	55.00	sqm	
6	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved.	5.00	cum	
7	Dismantling of flushing cistern of all types (C.I./PVC/Vitrious China) including stacking of useful materials near the site and disposal of unserviceable materials within 50 metres lead.	3.00	Each	

8	Repairs to plaster of thickness 12 mm to 20 mm in patches of area 2.5 sq.meters and under, including 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, all complete as per direction of Engineerin-Charge.			
	With cement mortar 1:4 (1 cement : 4 fine sand)	25.00	Sqm	
9	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 Engineerin-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	8.00	Sqm	
10	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption 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), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete.			
	Size of Tile 600x600 mm	63.00	Sqm	

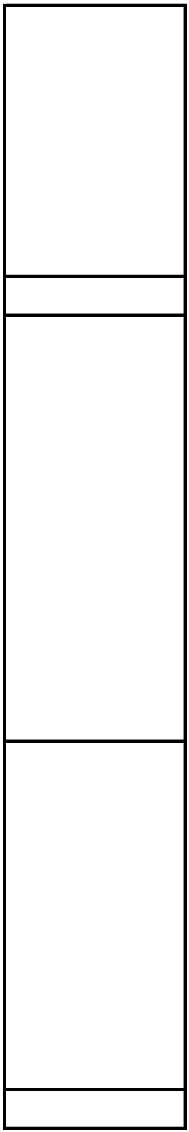
11	<p>Providing and fixing raise ceiling at all height including providing and fixing of frame work made of special sections, power pressed from M.S. sheets and galvanized with zinc coating of 120 gms/sqm (both side inclusive) as per IS : 277 and consisting of angle cleats of size 25 mm wide x 1.6 mm thick with flanges of 27 mm and 37mm, at 1200 mm centre to centre, one flange fixed to the ceiling with dash fastener 12.5 mm dia x 50mm long with 6mm dia bolts, other flange of cleat fixed to the angle hangers of 25x10x0.50 mm of required length with nuts & bolts of required size and other end of angle hanger fixed with intermediate G.I. channels 45x15x0.9 mm running at the spacing of 1200 mm centre to centre, to which the ceiling section 0.5 mm thick bottom wedge of 80 mm with tapered flanges of 26 mm each having lips of 10.5 mm, at 450 mm centre to centre, shall be fixed in a direction perpendicular to G.I. intermediate channel with connecting clips made out of 2.64 mm dia x 230 mm long G.I. wire at every junction, including fixing perimeter channels 0.5 mm thick 27 mm high having flanges of 20 mm and 30 mm long, the perimeter of ceiling fixed to wall/partition with the help of rawl plugs at 450 mm centre, with 25mm long dry wall screws @ 230 mm interval, including fixing of gypsum board to ceiling section and perimeter channel with the help of dry wall screws of size 3.5 x 25 mm at 230 mm c/c, including jointing and finishing to a flush finish of tapered and square edges of the board</p>			
	12.5 mm thick tapered edge gypsum moisture resistant board	74.00	Sqm	
12	<p>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.</p>			
	Granite of required colour and shade Area of slab upto 0.50 sqm	11.50	sqm	

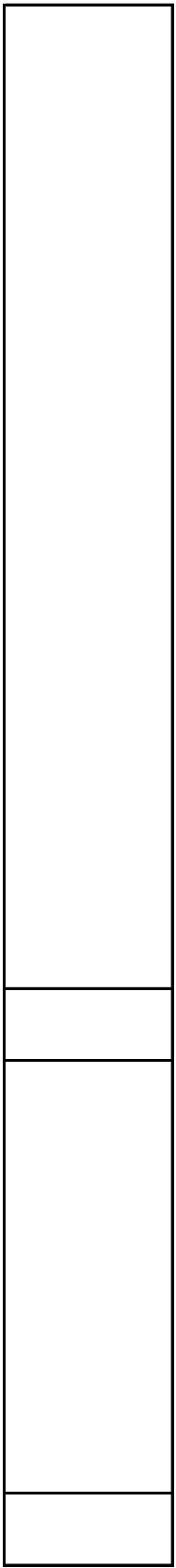
13	Providing edge moulding to 18 mm thick marble stone counters, Vanities etc., including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-Charge.			
	Granite work	16.00	Rmt	
14	Extra for fixing marble /granite stone, over and above corresponding basic item, in fascia and drops of width upto 150 mm with epoxy resin based adhesive, including cleaning etc. complete.	20.00	Rmt	
15	Extra for providing opening of required size & shape for wash basin/ kitchen sink in kitchen platform, vanity counter and similar location in marble/ Granite/ stone work, including necessary holes for pillar taps etc. including moulding, rubbing and polishing of cut edges etc. complete.	3.00	Each	
16	Providing and fixing white vitreous china laboratory sink with C.I. brackets, C.P. brass chain with rubber plug, 40 mm C.P brass waste and 40mm C.P. brass trap with necessary C.P. brass unions complete, including painting of fittings and brackets, cutting and making good the wall wherever required :			
	Size 600x450x200 mm	2.00	sqm	
17	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.			
	Flexible pipe 32 mm dia	2.00	Each	
18	Providing and fixing aluminium die cast body tubular type universal hydraulic door closer (having brand logo with ISI, IS:3564, embossed on the body, door weight upto 35 kg and door width upto 700 mm), with necessary accessories and screws etc. complete.	7.00	Each	
19	Renewing glass panes, with putty and nails wherever necessary including racking out the old putty:			
	Float glass panes of nominal thickness 4 mm (weight not less than 10kg/sqm)	13.53	Sqm	
20	Providing & Fixing decorative high pressure laminated sheet of plain / wood grain in gloss / matt/ suede finish with high density protective surface layer and reverse side of adhesive bonding quality conforming to IS : 2046 Type S, including cost of adhesive of approved quality.			
	1.0 mm thick	5.00	Sqm	

21	Providing and fixing chromium plated brass 50 mm cupboard or wardrobe knobs with nuts complete.	16.00	Each	
22	Providing and fixing bright / matt finished stainless steel handles of approved quality & make with necessary screws etc all complete. 100mm	17.00	Each	
23	Dismantling aluminium/ Gypsum partitions, doors, windows, fixed glazing and false ceiling including disposal of unserviceable material and stacking of serviceable material with in 50 meters lead as directed by Engineer-in-charge.	10.87	sqm	
24	Providing and fixing the aluminum partitions with extruded built up standard tubular sections of size 2.5"x1.5" of 16 gauge, 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, mitered and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing /paneling ,c.p brass/stainless steel screws, all complete as per the direction of Engineer in charge. The partition having the 5mm thick glass on top and on bottom 12 mm thick particle board of approved color complete as required/as existing. /	334.00	Sqft	
25	Providing and fixing the aluminum Door with extruded built up standard tubular sections of size top, vertical and middle 3.25"x1.75" of 16 gauge, 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, mitered and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing /paneling ,c.p brass/stainless steel screws, all complete as per the direction of Engineer in charge. The door having the 5mm thick glass on top and on bottom 12 mm thick particle board of approved color including p/f the aluminium tower bolt, al-drope. door stopper complete as required.	84.00	Sqft	

26	Fabricating, making and fixing the wooden cupboard which is made out of 19mm thick commercial board with 6mm thick back ply. All the exposed surface pasted with 1mm thick laminate of approved colour and make complete as per required design including all necessary hardware like magnetic catcher, handle, tower bolt, lock etc. and painting and polishing work	3.00	Sqm	
27	Providing and fixing the Vertical blinds of approved make and fabric. The vertical blind will be fixed on the wall by gitting with screws complete as required.	4.30	Sqm	
28	Providing and fixing the 12mm thick WPC ply on the existing window and door i/c supporting members complete as required.	10.40	Sqm	
29	Providing and fixing the PVC flooring 1.6mm thick of LG make complete as required.	11.00	Sqm	
Painting work				
30	Removing dry or oil bound distemper, water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete.	264.91	Sqm	
31	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.	264.91	Sqm	
32	Distemping with oil bound washable distemper of approved brand and manufacture to give an even shade : New work (two or more coats) over and including water thinnable priming coat with cement primer	184.20	sqm	
33	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	98.00	Sqm	
34	Polishing work with clear, lacquer polish to give an ever shine with prepare surface using spirit lakh dana N.C Sealer and clear lacquer with spray	61.12	Sqm	
35	Painting with Fungal paint of approved brand and make Asian Paints & make i/c coating of Dr. Fixit U.R.P and apply anti fungal primer and finishing with anti fungal paint Two or more coat	80.71	Sqm	
Total amount i/c GST				

Contractor Signature





with Seal