

**NAME OF WORK : RENOVATION OF AUDITORIUM AT SHRI RAM COLLEGE OF COMMERCE, UNIVERSITY OF DELHI, NEW DELHI**  
**Corrigendum no.-1 Dated 04.03.2020**

Sr No	Description	Qty	Unit	Rate	Amount	Remarks
1	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.	280.00	Cum			Item Added in Place of BOQ Item no. 11.16
2	Providing and erecting 8.00 metre high temporary barricading at site as per approved shop drawing/Strength required to resist overturning, collapsing and sliding in both ways as per the direction of engineer-in-charge. Each panel to be made of angle or hollow MS tube posts, horizontal members, bracings as per approved drawing and covered with precoated corrugated sheet. The sheet shall be fixed by suitable welding/bolting/riveting etc. Suitable arrangement shall be made to fix the barricading. Including writing and painting, arrangement for traffic diversion such as traffic signals during construction at site for day and night, glow lamps, reflective signs, marking, flags, caution tape as directed by the Engineer-in-Charge. The barricading shall not be removed without prior approval of Engineer-in-Charge. Rate include its maintenance for damages, all incidentals, labour materials, equipments and works required to execute the job and removing after completion of project. (Note :- One time payment shall be made for providing barricading from start of work till completion of work i/c shifting. The barricading provided shall remain to be the property of the contractor on completion of the work).	130.00	Rm			Item Added in Place of BOQ Item no. 12.02
3	Supply & Installation of TRACDEK Bare Galvalume Silver finish Hi-Rib profiled sheeting 1000-1020 cover width, 28/30 mm crests @ 250-255 mm c/c manufactured out of 0.47 mm TCT hi-tensile Bare Galvalume steel (AZ-150 gsm. Aluminium-Zinc alloy metallic coating of total both sides 550 Mpa yield stress as per AS-1397). The sheet shall have wide pans with 3 small stiffening ribs for effective water shedding and special male/female ends with full return legs on side laps for purlin support. The male end of the sheet shall have anti-capillary flute at side lap to prevent leakages. The sheet shall be passivated and clear resin coated. The sheet shall be fixed by means of galvanised self-drilling self-tapping fasteners ( 12-14x55 with EPDM seals) and ridge caps complete. The sheet shall be supplied in lengths maximum upto 6-12 Mtrs long to suit site dimensions. All complete as per the direction of Engineer's Incharge.	742.00	Sqm			Item Added in Place of BOQ Item no. 12.04
4	Supply & fixing of Gutter of 600mm wide fabricating from galvalume sheet (sheet material same as above item no - 3) including cutting to shape and size as required with self drilling/ self tapping screws. All complete as per drawing and direction of Engineer-in-charge.	R.O.	Rm			Item Added
5	Supply & fixing of flashing/Ridge of 306mm to 610mm wide fabricating from galvalume sheet (sheet material same as above item no - 3) including cutting to shape and size as required with necessary hardware & silicon sealent. All complete as per drawing and direction of Engineer-in-charge.	115.00	Rm			Item Added
6	Supply & Installation of 50mm thick & 24 kg/m3 density flame resistant Glasswool laid with FSK facing Aluminum Foil on one side and laid over 12.5 mm x 24 gauge wire mesh to be laid under the Roof Sheet. All complete as per as per drawing and direction of Engineer-in-charge.	742.00	Sqm			Item Added
<b>NOTE : All other terms &amp; conditions of the tender shall remain unchanged.</b>						
<b>The cost of above items must be included in Tender amount.</b>						

NAME OF WORK : RENOVATION OF AUDITORIUM AT SHRI RAM COLLEGE OF COMMERCE, UNIVERSITY OF DELHI, NEW DELHI						
Corrigendum no.-2 Dated 04.03.2020						
Sr No	Description	Qty	Unit	Rate	Amount	Remarks
1.00	Selling out of all stacked dismantling / demolishing material( Salvage or scrap) after written approval of department including necessary challan for taken out the material from the premises duly approved by department/ project-in-charge & deposit to department (from BOQ item no-11.01 to 11.16).					
	<b>Note:-</b> Contractor will be responsible to complete this job in its own risk. ( Lesiure to be prepare & submit to the department/project-in-charge).					
1.01	Selling out of dismantled old Reinforcement	R.O	kg			
1.02	Selling out of dismantled material as per Item no-11.05	R.O	per 1000			
1.03	Selling out of dismantled material as per Item no-11.06					
1.03 (a)	Of area 3 sq. metres and below	14.00	each			
1.03 (b)	Of area beyond 3 sq. metres	4.00	each			
1.04	Selling out of dismantled material as per item no 11.07	13075.00	kg			
1.05	Selling out of dismantled material as per item no 11.12					
	Asbestos sheet	592.00	sqm			
1.06	Selling out of dismantled material as per item no 11.13					
	150 mm dia pipe	69.00	meter			
1.07	Selling out of dismantled material as per tem no 11.15	40.00	sqm			
<b>NOTE : All other terms &amp; conditions of the tender shall remain unchanged.</b>						
<b>The cost of above items must included in Tender amount.</b>						

**NAME OF WORK : PROPOSED RENOVATION OF AUDITORIUM AT SHRI RAM COLLEGE OF  
COMMERCE, NORTH CAMPUS, NEW DELHI**

**SUB HEAD I - CIVIL WORK**

<b><u>S. No.</u></b>	<b><u>ITEM OF CIVIL WORK</u></b>	<b><u>AMOUNT</u></b>	
1	Earth Work	Rs.	
2	Concrete Work	Rs.	
3	R.C.C. Work	Rs.	
4	Brick Work	Rs.	
5	Wood Work	Rs.	
6	Steel Work	Rs.	
7	Flooring Work	Rs.	
8	Roofing Work	Rs.	
9	Finishing Work	Rs.	
10	Repair to Building Item	Rs.	
11	Dismantling and Demolishing Work	Rs.	
12	Miscellaneous Items	Rs.	
13	Add Cost of Corrigendum - 01	Rs.	
14	Less Cost of Corrigendum-02	Rs.	
	<b><u>Grand Total</u></b>	<b>Rs.</b>	

**SCHEDULE OF QUANTITIES**

Name of work : **Proposed Renovation of Auditorium at Shri Ram College of Commerce, North Campus, New Delhi**

Item No.	Description of Item	Quantity	Unit	Rate Rs.	Amount Rs.
<b>1.00</b>	<b>EARTH WORK</b>				
1.01	Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by Engineer-in-charge.				
	a) All kinds of soil	462.00	Cum		
1.02	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.				
	a) All kinds of soil	R.O.	Cum		
1.03	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	125.00	Cum		
1.04	Disposal of surplus earth by mechanical transport including loading, unloading for a lead upto 10.00 Km or to the municipale dumping ground.	337.00	Cum		
1.05	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.	76.00	Cum		
1.06	Supplying chemical emulsion in sealed containers including delivery as specified.				
	Chlorpyrifos/ Lindane emulsifiable concentrate of 20%	131.00	Litre		
1.07	Diluting and injecting chemical emulsion for <b>POSTCONSTRUCTION</b> anti-termite treatment (excluding the cost of chemical emulsion) :				
	Treatment of soil under existing floors using chemical emulsion @ one litre per hole, 300 mm apart including drilling 12 mm diameter holes and plugging with cement mortar 1 :2 (1 cement : 2 Coarse sand) to match the existing floor :				
	With Chlorpyrifos/Lindane E.C. 20% with 1% concentration	651.00	Sqm		
	<b>Total Earth Work :</b>				
<b>2.00</b>	<b>CONCRETE WORK</b>				
2.01	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :				
	1:3:6 (1 Cement : 3 coarse sand (zone-III) : 6 graded stone aggregate 20 mm nominal size)	1.00	Cum		
2.02	1:4:8 (1 Cement : 4 coarse sand (zone-III) : 8 graded stone aggregate 40 mm nominal size)	1.00	Cum		
2.03	Providing and laying in position ready mixed plain cement concrete, with cement content as per approved design mix and manufactured in fully automatic batching plant and transported to site of work in transit mixer for all leads, having continuous agitated mixer, manufactured as per mix design of specified grade for plain cement concrete work, including pumping of R.M.C. from transit mixer to site of laying and curing, excluding the cost of centering, shuttering and finishing, including cost of curing, admixtures in recommended proportions as per IS : 9103 to accelerate/ retard setting of concrete, improve workability without impairing strength and durability as per direction of the Engineer-in-charge.				
	<b>Note :</b> 1) Excess/less cement used than specified in this item is payable/recoverable separately.				
	All works upto plinth level :				
	M-10 grade plain cement concrete (cement content considered @ 220 kg/cum)	3.00	Cum		

Item No.	Description of Item	Quantity	Unit	Rate Rs.	Amount Rs.
2.04	Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets, sunken floor etc., up to floor five level, excluding the cost of centering, shuttering and finishing :				
	1:2:4 (1 Cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	1.00	Cum		
	<b>Total Cement Concrete work :</b>				
<b>3.00</b>	<b>R.C.C. WORK</b>				
3.01	Providing and laying in position ready mixed M-25 grade concrete for reinforced cement concrete work, using cement content as per approved design mix, manufactured in fully automatic batching plant and transported to site of work in transit mixer for all leads, having continuous agitated mixer, manufactured as per mix design of specified grade for reinforced cement concrete work, including pumping of R.M.C. from transit mixer to site of laying , excluding the cost of centering, shuttering finishing and reinforcement, including cost of admixtures in recommended proportions as per IS : 9103 to accelerate/ retard setting of concrete, improve workability without impairing strength and durability as per direction of the Engineer-in-charge.				
	(Note :- Cement content considered in this item is @ 330 kg/ cum.Excess/less cement used as per design mix is payable/recoverable separately).				
	All works upto Plinth level	35.00	Cum		
3.02	All works above plinth level upto floor V level	87.00	Cum		
3.03	Extra for providing richer mixes at all floor levels				
	<b>Note:-</b> Excess/less cement over the specified cement content used is payable /recoverable separately.				
	Providing M-30 grade concrete instead of M-25 grade BMC/ RMC. (Note:- Cement content considered in M-30 is @ 340 kg/cum)	13.00	Cum		
3.04	Reinforcement for RCC work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.				
	Thermo-Mechanically Treated bars of grade Fe-500D or more.	4054.00	Kg		
3.05	Reinforcement for RCC work including straightening, cutting, bending, placing in position and binding all complete. Above plinth level.				
	Thermo-Mechanically Treated bars of grade Fe-500D or more.	15772.00	Kg		
3.06	Centering and shuttering including strutting, propping etc. and removal of form for :				
	Foundation, footing, bases of columns etc. for mass concrete	50.00	Sqm		
	Suspended floors, roofs, landings, balconies, and access platform	90.00	Sqm		
	Lintels, beams, plinth beams, girders, bressumers and cantilevers	474.00	Sqm		
	Stairs, (excluding landings) except spiral-staircases.	31.00	Sqm		
	Columns, Pillars, Piers, Abutments, Posts and Struts	108.00	Sqm		
	Small lintels not exceeding 1.5 m clear span, moulding as in cornices, window sills, string courses, bands, copings, bed plates, anchor blocks and the like	6.00	Sqm		
	Edges of slabs and breaks in floors and walls				
	Under 20 cm wide	76.00	metre		
	Weather shade, Chajjas, corbels etc., including edges	11.00	Sqm		
3.07	Extra for additional height in centering, shuttering where ever required with adequate bracing, propping etc., including cost of de-shuttering and decentering at all levels, over a height of 3.5 m, for every additional height of 1 metre or part thereof (Plan area to be measured).				
	Suspended floors, roofs, landing, beams and balconies (Plan area to be measured)	14.00	Sqm		
3.08	Add for plaster drip course/ groove in plastered surface or moulding to R.C.C. projections.	23.00	metre		

Item No.	Description of Item	Quantity	Unit	Rate Rs.	Amount Rs.
	<b>Total R.C.C. Work :</b>				
<b>4.00</b>	<b>BRICK WORK</b>				
	<b>Note:-</b> I. In case the height of the bricks of old as well as new work is same, the old work shall be toothed to the full width of the new wall and to the depth of a quarter of brick in alternate courses. In case the height of the bricks is unequal, then the height of each course of new work shall be made equal to the height of the old work by adjusting thickness of horizontal mortar joints in the new wall. Where necessary, adjustment shall be made equal to thickness of old wall by adjusting the thickness of vertical joints. II. Joining junction of existing brick work with the new brick work shall be done in such a way that there shall not be any hump or projection at the joint and match the existing brick work.				
4.01	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in:				
	a) Cement mortar 1:6 (1 cement : 6 coarse sand)	17.00	Cum		
4.02	Brick work 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 in all shapes and sizes in :				
	Cement mortar 1:6 (1 cement : 6 coarse sand)	14.00	Cum		
4.03	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundations and plinth in :				
	a) Cement mortar 1:4 (1 cement : 4 coarse sand)	5.00	Sqm		
4.04	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				
	Cement mortar 1:4 (1 cement : 4 coarse sand)	48.00	Sqm		
4.05	Extra for providing and placing in position 2 Nos 6mm dia. M.S. bars at every third course of half brick masonry.	53.00	Sqm		
	<b>Exposed Brick Work</b>				
4.06	Brick work with common burnt clay selected F.P.S. (non modular) bricks of class designation 7.5 in exposed brick work including making horizontal and vertical grooves 10 mm wide 12 mm deep complete in cement mortar 1:6 (1 cement : 6 coarse sand)				
	<b>Note:-</b> I. Brick sample for exposed brick work must be approved by architect / Engineer's incharge in such way to match the existing exposed brick work properly. II. Selection of pattern of masonry bond, jointing & pointing of new exposed brick must be match the existing exposed brick pattern.				
	From ground level upto plinth level	R.O.	Cum		
	Above plinth level upto floor V level	104.00	Cum		
	<b>Total Brick Work :</b>				
<b>5.00</b>	<b>WOOD WORK</b>				
5.01	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length ( hold fast lugs or dash fastener shall be paid for separately).				
	Second class teak wood	1.00	Cum		
5.02	Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters:				
	35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	13.00	Sqm		
5.03	Extra for providing lipping with 2nd class teak wood battens 25 mm minimum depth on all edges of flush door shutters (over all area of door shutter to be measured).	13.00	Sqm		

Item No.	Description of Item	Quantity	Unit	Rate Rs.	Amount Rs.
5.04	Providing 40x5 mm flat iron hold fast 40 cm long including fixing to frame with 10 mm diameter bolts, nuts and wooden plugs and embedding in cement concrete block 30x10x15cm 1:3:6 mix (1 cement : 3 coarse sand: 6 graded stone aggregate 20mm nominal size).	68.00	each		
5.05	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.	5.00	each		
5.06	Providing and fixing bright finished brass 100mm 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	3.00	Each		
5.07	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. 1.5 mm thick	26.00	Sqm		
	<b>Total Wood Work :</b>				
<b>6.00</b>	<b>STEEL WORK</b>				
6.01	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	28160.00	Kgs		
6.02	Providing and fixing 1mm thick M.S. sheet door with frame of 40x40x6 mm angle iron and 3 mm M.S. gusset plates at the junctions and corners, all necessary fittings complete, including applying a priming coat of approved steel primer. Using flats 30x6mm for diagonal braces and central cross piece	4.00	Sqm		
6.03	Steel work in built up tubular ( round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete.	3228.00	Kgs		
6.04	Hot finished welded type tubes Providing and fixing bolts including nuts and washers complete.	32.00	Kgs		
6.05	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.				
	In stringers, treads, landings etc. of stair cases, including use of chequered plate wherever required, all complete	8830.00	Kgs		
6.06	Providing and fixing stainless steel ( Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners , stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-incharge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.).	1285.00	Kgs		
	<b>Total Steel Work :</b>				
<b>7.00</b>	<b>FLOORING</b>				

Item No.	Description of Item	Quantity	Unit	Rate Rs.	Amount Rs.
7.01	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	48.00	Sqm		
7.02	Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in colours such as White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand), jointing with grey cement slurry @ 3.3kg/sqm including pointing the joints with white cement and matching pigment etc., complete.	6.00	Sqm		
7.03	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 @ 3.3kg/sqm including grouting the joints with white cement and matching pigments etc., complete.				
	Size of Tile 600x600 mm	38.00	Sqm		
7.04	Providing and laying Vitrified tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, dado, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), jointing with grey cement slurry @ 3.3kg/sqm including grouting the joint with white cement & matching pigments etc. complete.				
	Size of Tile 600x600 mm	6.00	Sqm		
7.05	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.				
	40 mm thick with 20 mm nominal size stone aggregate	672.00	Sqm		
7.06	Cement plaster skirting up to 30 cm height, with cement mortar 1:3 (1 cement : 3 coarse sand), finished with a floating coat of neat cement.				
	18 mm thick	87.00	Sqm		
7.07	Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab, including rubbing and polishing complete with base of cement mortar 1 : 4 (1 cement : 4 coarse sand) :				
	25 mm thick	200.00	Sqm		
7.08	Kota stone slabs 20 mm thick in risers of steps, skirting, dado and pillars laid on 12 mm (average) thick cement mortar 1:3 (1 cement: 3 coarse sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slabs, including rubbing and polishing complete	22.00	Sqm		
7.09	Extra for pre finished nosing in treads of steps of Kota stone/ sand stone slab.	134.00	meter		
7.10	Extra for Kota stone/ sand stone in treads of steps and risers using single length up to 1.05 metre.	56.00	Sqm		
	<b>Total Flooring Work :</b>				
<b>8.00</b>	<b>ROOFING</b>				



Item No.	Description of Item	Quantity	Unit	Rate Rs.	Amount Rs.
8.01	Providing and fixing false 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 with recommended jointing compound , jointing tapes , finishing with jointing compound in 3 layers covering upto 150 mm on both sides of joint and two coats of primer suitable for board, all as per manufacturer's specification and also including the cost of making openings for light fittings, grills, diffusers, cutouts				
	12.5 mm thick tapered edge gypsum moisture resistant board	27.00	Sqm		
8.02	Providing and fixing precoated galvanised steel sheet roofing accessories 0.50 mm (+ 0.05 %) total coated thickness, Zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws complete :				
	Gutter .(600 mm over all girth)	101.00	meter		
	<b>Total Roofing Work :</b>				
<b>9.00</b>	<b>FINISHING</b>				
9.01	12 mm cement plaster of mix :				
	1:6 (1 cement : 6 coarse sand)	1193.00	Sqm		
9.02	6 mm cement plaster of mix:				
	1:3 (1 cement : 3 fine sand)	126.00	Sqm		
9.03	18 mm cement plaster in two coats under layer 12 mm thick cement plaster 1:5 (1 cement : 5 coarse sand) finished with a top layer 6 mm thick cement plaster 1:6 (1 cement : 6 fine sand).	15.00	Sqm		
9.04	Providing and applying plaster of paris putty of 2 mm thickness over plastered surface to prepare the surface even and smooth complete.	531.00	Sqm		
9.05	Wall painting with premium acrylic emulsion paint of interior grade, having VOC (Volatile Organic Compound ) content less than 50 grams/ litre of approved brand and manufacture, including applying additional coats wherever required to achieve even shade and colour.				
	Two coats	531.00	Sqm		
9.06	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade				
	Two or more coats on new work	158.00	Sqm		
9.07	Finishing walls with Acrylic Smooth exterior paint of required shade :				
	New work (Two or more coat applied @ 1.67 ltr/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/10 sqm)	15.00	Sqm		
9.08	White washing with lime to give an even shade :				
	New work (three or more coats)	788.00	Sqm		

Item No.	Description of Item	Quantity	Unit	Rate Rs.	Amount Rs.
9.09	French spirit polishing :				
	Two or more coats on new works including a coat of wood filler	13.00	Sqm		
	<b>Total Finishing Work :</b>				
<b>10.00</b>	<b>REPAIRS TO BUILDING ITEMS</b>				
10.01	Fixing chowkhats in existing opening including embedding chowkhats in floors or walls cutting masonry for holdfasts, embedding hold fasts in cement concrete blocks of size 15 x 10 x 10 cm with cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size), painting two coats of approved wood preservative to sides of chowkhats and making good the damages to walls and floors as required complete, including disposal of rubbish to the dumping ground, all complete as per directions of Engineer-In-Charge.				
	Door chowkhats	3.00	Each		
10.02	Making the opening in brick masonry including dismantling in floor or walls by cutting masonry and making good the damages to walls, flooring and jambs complete, to match existing surface i/c disposal of mulba/ rubbish to the nearest municipal dumping ground, all complete as per directions of Engineer-In-Charge.				
	For door/ window/ clerestory window	6.00	Sqm		
	<b>Total of Repair to Building</b>				
<b>11.00</b>	<b>DISMANTLING AND DEMOLISHING WORK</b>				
	<b>Note:</b> All dismentling and demolishing work will be done in such manner that no other work will be effected or damaged. If any damage will be occure at site than contractor will be responsible to repair and construction of such work by it's own cost in quoted rate.				
11.01	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge.				
	<b>Note:-</b> Auditorium flooring is to be considered as Cement concrete flooring of niminal mix (1:3:6). Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)	62.00	Cum		
11.02	Nominal concrete 1:4:8 or leaner mix (i/c equivalent design mix)	33.00	Cum		
11.03	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.	50.00	Cum		
11.04	Extra for cutting reinforcement bars manually/ by mechanical means in R.C.C. or R.B. work (Payment shall be made on the cross sectional area of R.C.C. or R.B. work) as per direction of Engineer- in-charge.	7.00	Sqm		
11.05	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	87.00	Cum		
11.06	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead :				
	Of area 3 sq. metres and below	14.00	Each		
	Of area beyond 3 sq. metres	4.00	Each		
11.07	Dismantling steel work in built up sections in angles, tees, flats and channels including all gusset plates, bolts, nuts, cutting rivets, welding etc. including dismembering and stacking within 50 metres lead.	13075.00	Kg		
11.08	Extra for dismantling trusses, rafters, purlins etc. of steel work for every additional span of one metre or part thereof beyond 10 metres	27166.00	Kg per metre span		
11.09	Extra for dismantling trusses, rafters, purlins etc. of steel work for every additional height of one metre or part thereof beyond 5 metres.	98453.00	Kg per metre span		

Item No.	Description of Item	Quantity	Unit	Rate Rs.	Amount Rs.
11.10	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead.				
	For thickness of tiles above 25 mm and up to 40 mm	4.00	Sqm		
11.11	Dismantling stone slab flooring laid in cement mortar including stacking of serviceable material and disposal of unserviceable material within 50 metres lead.	39.00	Sqm		
11.12	Dismantling roofing including ridges, hips, valleys and gutters etc., and stacking the material within 50 metres lead of:				
	Asbestos sheet	592.00	Sqm		
11.13	Dismantling C.I. or asbestos rain water pipe with fittings and clamps including stacking the material within 50 metres lead				
	150 mm dia pipe	69.00	meter		
11.14	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead.	451.00	Sqm		
11.15	Dismantling aluminium/ Gypsum partitions, doors, windows, fixed glazing and false ceiling including disposal of unserviceable surplus material and stacking of serviceable material with in 50 meters lead as directed by Engineer-in-charge.	40.00	Sqm		
11.16	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.	280.00	Sqm		
	<b>Total of Dismantling and Demolishing</b>				
<b>12.00</b>	<b>MISCELLANEOUS ITEMS</b>				
12.01	Providing and laying in position ready mixed plain cement concrete, with cement content as per approved design mix and manufactured in fully automatic batching plant and transported to site of work in transit mixer for all leads, having continuous agitated mixer, manufactured as per mix design of specified grade for plain cement concrete work, including pumping of R.M.C. from transit mixer to site of laying and curing, excluding the cost of centering, shuttering and finishing, including cost of curing, admixtures in recommended proportions as per IS : 9103 to accelerate/ retard setting of concrete, improve workability without impairing strength and durability as per direction of the Engineer-in-charge.				
	1:4:8 (1 Cement : 4 coarse sand (zone-III) : 8 graded stone aggregate 40 mm nominal size)	106.00	Cum		
12.02	Providing and erecting 8.00 metre high temporary barricading at site; Each panel of size 2.50mx8.00m made of 40x40x6mm angle iron or 50x50x3mm hollow MS tube posts/horizontal members/ bracings covered with 1.63mm thick MS sheet. The sheet shall be fixed with 30x5mm MS flat by suitable welding/riveting. The panels shall be made so that gap of 50cm above the ground is available making overall height as 8m. MS channel ISLC 75 @ 5.70 kg/m, 50cm long shall be provided at the bottom having oval shaped holes of size 50x25mm at both ends with 50cm long MS angle 40x40x6mm bracing. Suitable arrangement shall be made to fix the barricading to avoid from overturning by providing 250mm long expansion fasteners at both ends. The work shall be executed as per drawing/direction of Engineer in Charge which includes writing and painting, arrangement for traffic diversion such as traffic signals during construction at site for day and night, glow lamps, reflective signs, marking, flags, caution tape as directed by the Engineer in Charge.				

Item No.	Description of Item	Quantity	Unit	Rate Rs.	Amount Rs.
	The barricading provided shall be retained in position at-site continuously i/c shifting of barricading from one location to another location as many times as required during the execution of the entire work till its completion. Rate include its maintenance for damages, painting, all incidentals, labour materials, equipments and works required to execute the job. The barricading shall not be removed without prior approval of Engineer-in-Charge.	130.00	Rm		
12.03	Pointing on Exposed brick work or brick flooring with white cement mortar 1:3 (1 white cement : 3 fine sand): Flush / Ruled/ Struck or weathered pointing	1087.00	sqm		
12.04	Supply and fixing of 50/80 mm thick roofing polyurethane panel sandwiched between two layers of pre-colour coated galvalume profile sheet of 1010mm effective cover width. The sheet material thickness will be 0.5(TCT), hi tensile steel with min 550 MPa yield strength, metallic hot dip coated with Aluminium-Zinc Alloy(55% Aluminium,45% Zinc) as per ASTM A-792 Galvalume-AZ150(Min 150gms/sq mt) on Top and 0.4 MM sheet on inner face with rigid puf injected CFC free polyurethane foam and puf density 40±2kg/m3. The panels to be fixed with self drilling screws , silicone and ridge caps complete in all respects or as per the direction of Engineer's-Incharge.	742.00	Sqm		
12.05	Providing and fixing Stainless steel tower bolts (barrel type) with necessary Stainless steel screws etc. complete :				
	250x10 mm	4.00	each		
	150x10 mm	2.00	each		
12.06	Providing and fixing Stainless steel handles with Stainless steel screws etc complete:				
	125 mm	14.00	each		
12.07	Providing and fixing Stainless Steel sliding door bolts with Stainless Steel nuts and screws etc complete :	9.00	each		
12.08	Cleaning the existing exposed Brick Surface and removing Dirt, dust, bird dropping, grease, oil, algae, fungus, monkey beats, vegetable growth & efflorescence etc., including providing, applying and washing the surface with liquid Klentzone-1 chemical and other chemical cleaning agent of approved brand with the help of required soft scrubbers and also cleaning with machine operated pressure jet in such way to without causing any cracks, Surface roughness, scratching and damage to the surface, all complete in all respect, including taking all precautions to safeguard ventilators, windows, doors etc. by suitable covering so as to avoid any damage to the building/ structure, all as per direction of engineer-in-charge.				
	<b>Note :-</b> i. Water used for cleaning must be clean and free from any dissolved chemical which is harmful for Exposed Brick work in the form of chemical reaction and any other reason. ii. Contractor will be responsible to repair and construction for same structure by it's coated rate for all kind of structural damage occuring by moist or water absorbption during eposed brick surface cleaning with water so provide great protection from water absorption during cleaning.	1087.00	Sqm		
12.09	Providing and applying two or more coats with silicon based non film , transparent , antifungal, alkaline stable , impregnable water repellent Dow SIL -520 or BS-3003 Wacker or equivalent make containing Silane Siloxane Emulsion with water dilution as per manufacturer specification in the ratio 1:6 (1 DOW-520 : 6 Water ) on the exposed mineral substrate like sand stone , Grit wash plaster , or exposed pointed brick cladding surface or RCC work as per direction of the Engineer In Charge.	1087.00	Sqm		
	<b>Total of Miscellaneous Items</b>				