

**REPAIRING & RENOVATION WORKS IN COMMON ROOM, KITCHEN,  
ROOF SHED AT 1<sup>st</sup> FLOOR, TOILET CEILING AT GENTS HOSTEL OF  
IACS, JADAVPUR.**

Sl.No.	DESCRIPTION OF ITEMS	UNIT	QUANTITY	RATE	AMOUNT
1	Stripping off worn out plaster (outside and inside) and raking out joints of walls, ceiling etc. upto any height and in any floor including removing rubbish and stacking any where within the compound as directed.	Sq.M	250.00		
2	Dismantling all types of masonry excepting cement concrete plain or reinforced, stacking serviceable materials at site and removing rubbish as directed by Engineer.	Cu.M	5.00		
3	Dismantling all types of plain cement concrete/ reinforced concrete works, stacking serviceable materials at site and removing rubbish as directed by Engineer.	Cu.M	10.00		
4	Removal of rubbish, earth etc. from the working site and disposal of the same beyond the campus, loading into truck and cleaning the site in all respect as per direction of EIC.	Cu.M	15.00		
6	Brickwork with 1st class bricks in cement mortar (1:6), in any floor.	Cu.M	1.00		
7	Taking out shutter of door and window,dismantling by parts (for repair / cutting or replacement of damaged parts) reassembling and fitting and rehangng same with olds/new fittings (where necessary) with new screwa as necessary as per instruction of EIC.	Sqm	130.00		
8	Applying two coats of Mastercrete M-81 (Acrylic Co-polymer) or equivalent acrylic latex mixed with cement in the ratio of 1:2 by means of brush two coats at an interval of 12 hrs. each, curing the coating for three days.	Sq.M	250.00		

9	Plaster to wall, ceiling etc. with coarse sand and cement mortar including rounding off or chamfering corners as directed and raking out joints or roughening of concrete surface including throating, nosing and drip coarse where necessary. With 6:1 cement mortar 20mm thick. The rate is inclusive required scaffolding at any level.	Sq.M	150.00		
10	Ordinary Cement Concrete (mix1:2:4) with graded stone chips (20mm nominal size) excluding shuttering and reinforcement. The rate is inclusive required scaffolding at any level.	Cu.m	1.25		
11	Applying epoxy based reactive joining agent for joining the old concrete with fresh concrete to be applied within manufacturer's specified time and specification. (0.4 kg/sq.m of concrete surface). The rate is inclusive required scaffolding at any level.	Sq.M	40.00		
12	37.5 mm thick Cement Concrete (1:1.5:3) with graded stone chips 5.6 mm size with hexagonal square mesh wire netting, I.R.C fabric mesh or X.P.M fitted and fixed after tying the existing reinforcement on concrete without distributing the same and with proper scarping and cleaning the reinforcement and disturbed concrete with wire brush etc. after applying a coat of cement including the cost of wire netting I.R.C or X.P.M & cost of all handling and scaffolding complete as per direction of Engineer-In-Charge. The rate is inclusive required scaffolding at any level.	Sq.M	10.00		
13	Priming one coat on timber, plastered surface with synthetic oil bound primer of approved quality including smoothing surface by sand papering etc.	Sq.M	400.00		

14	Priming one coat on steel or other metal surface with synthetic oil bound primer of approved quality including smoothening surface by sand papering etc.	Sq.M	120.00		
15	Applying Acrylic Emulsion Paint of approved make and brand on walls and ceiling including sand papering in intermediate coats including putty. Two or more coats to give an even shade.	Sq. M	300.00		
16	Painting with best quality synthetic enamel paint of approved make and brand including smoothening surface by sand papering etc. including using of approved putty etc on the surface if necessary.				
	a) On timber Surface	Sq. M	50.00		
	b). On Steel or Metal Surface	Sq. M	60.00		
17	Supplying, fitting and fixing PVC pipes of approved make of (medium duty) conforming to ASTM D-1785 and threaded to match with GI Pipes as per IS:1239(Part I) with all necessary accessories special viz. socket, bend, tee, P & S Trap union, elbo, nipple, long screw, reducing socket, reducing tee, short piece etc. fitted with holder bats clamps, including cutting pipes, making threads, etc. complete in all respect including cost of all necessary fittings as required, jointing materials and two coats of painting with approved paint in any position above ground floor.(Payment will be made on the centre line measurements of total pipe line including all specials. No separate payment will be made for accessories, specials.)				
	a). 15 mm dia.	Metre	15.00		
	b). 20 mm dia.	Metre	20.00		

18	Supplying, Fitting and fixing G.I pipes of TATA make with all necessary accessories, special viz. socket, bend, tee, union, cross, elbo, nipple, longscrew, reducing socket, reducing tee, short piece etc. fitted with holder bats clamps, cutting pipes, making threads, fitting, fixing etc. complete in all respect including cost of all necessary fittings as required, jointing materials and two coats of painting with approved paint in any position.				
a)	25mm dia. Medium quality.	Mtr.	10.00		
b)	40mm dia. Medium quality.	Mtr.	10.00		
19	Supplying, fitting and fixing Peet's valve fullway gunmetal standard pattern best quality of approved brand bearing ISI marking with fitting (tested to 21Kg / sq.cm).				
a).	20mm. Dia.	Each	2		
b).	25 mm dia	Each	1		
20	Rendering the surface of walls and ceiling with white cement based wall putty of approved make and brand (1.5mm thick)	Sq.M	300.00		
22	Supplying and laying true in level vitrified tiles of approved brand (size not less than 600x600mmx10mm thick) in floor, skirting, treads, risers etc. set in 20mm sand cement mortar (1:4) and 2mm thick cement slurry back side of tiles using cement @ 2.91Kg/Sq.m or using polymerised adhesive (6mm thick layer applied directly over finished floor without any backing course) laid after application slurry using 1.75Kg of cement/Sq.m below mortar only, joints grouted with admixture of white cement and colouring pigment to match with colour of tiles and polishing the tiles using soft and dry cloth upto mirror finish complete including the cost of materials, labour and all other incidental charges complete true to the manufacturer's specification and direction of Engineer.	Sq.M	135.00		

23	M.S. structural works in columns, beams etc. with simple rolled structural members (e.g. joists, angle, channel sections conforming to IS:226., IS:808 & SP (6) - 1964 connected to 8m or part thereof. i) For structural members of specified sections weighing not less than 22.5kg/m.	MT	2.30		
24	Panel shutters of door and window as per design (each panel consisting of single plank without joint) including fitting and fixing the same position 35mm thick shutters with 19mm thick panel of size 30to 45 cm.with Sishu, gamar, champ, badam, bhola, mogra, hallak. (including hinges, handle etc. as per direction of EIC.)	Sqm	5.00		
25	Wood work in door and window frame fitted and fixed in position complete including a protective coat of painting at the contact surface of the frame excluding cost of concrete, iron butt hinges and MS clamps. Sal : Local.	CUM	0.10		

26	<p>Supplying and laying colour polyester coated galvanized <b>Zinc-alume alloy sheet roofing</b> (Tata / equivalent) including proper ridge conforming to IS:14246-95 of trapezoidal profile having 28 +/- 1 mm crest height, pitch upto 250 mm c/c, sheet width 1065mm made from 0.45mm thick cold roll low carbon steel 'O' grade, half hard conforming to IS:513 and a minimum yield stress of 240 Mpa, 5-7 micron epoxy primer on both side of the sheet and the sheet shall be hot dipped galvanized with zinc coating (120 gsm thickness) of grade conforming to IS:277, silicon/ regular modified polyester coating primer laid over existing tubular truss and purlins/ existing frame structure including necessary repairing with all fixing arrangement and accessoris complete. The cost includes proving and fixing of self drilling and self tapping fasteners (head of the fasteners shall be protected with PVC cap of matching colour) with EPDM washers, thrust washers, flat washers, stitch screws, caps etc. complete as required testing shall be done as per relevant IS/BIS codes. Colour shall be decided by Engineer-in-charge.</p>	Sqm	90.00		
27	<p>Supplying, fitting &amp; fixing 1st quality Ceramic tiles in walls and floors to match with the existing work and 4 nos. of key stones (10mm) fixed with araldite at the back of each tiles &amp; finishing the joints with white cement mixed with colouring oxide if required to match the colour of tiles including roughening of concrete surface as per instruction of EIC.</p>				
i)	<p>Floor with Sand Cement Mortar (1:4) 20mm thick &amp; 2mm thick cement slurry at back side of tiles using cement @ 2.91Kg/Sq.m &amp; joint filling.</p>	Sq.M	50.00		
ii)	<p>Wall with Sand Cement Mortar (1:3) 15mm thick &amp; 2mm thick cement slurry at back side of tiles using cement @ 2.91Kg/Sq.m &amp; joint filling.</p>	Sq.M	50.00		
28	<p>Protective and decorative Acrylic exterior emulsion paint of approved quality</p>	Sqm	150.00		
29	<p>Scraping and removing greasy soot from walls or ceiling of kitchen or similar</p>	Sqm	250.00		

30	Supplying best indian sheet glass panes set in puttty and fitted and fixed with nails and putty complete. 4mm thick (weighing 7.4kg/sqm) .	Sqm	12.00		
31	Post constructional measures: Anti termite treatment to the soil under floor with chemical emulsion by admixing chloropyrofos emulsifiable concentrates (1% concentration) with water by weight at the rate of 5 Litres per sq. m. of the surface before sand bed or sub-grade is laid. Holes upto 50 mm. to 75 mm. deep at 150 mm. centre to centre both ways shall be made with 12 mm, diameter mild steel rod on the surface to facilitate saturation of the soil with the chemical emulsion. The work shall be carried out as per specification described in para 6.4 of code IS-6313 (part -II) 1981. ( Mode of measurment will be per Sq.m of plan area of plinth treated.	Sqm	70.00		
32	i)S, F & fixing chromium plated stop cock ō ō ō ō ō ō	Each	4		
33	i)S, F & fixing chromium plated angular stop cock with wall flange ō ō ō ō ō ō	Each	4		
34	S, F & fixing chromium plated bib cock ō ō ō ō ō ō	Each	20		
35	S. F and Fixing 10 Litre PVC low down cistern conforming to IS specification with PVC fittings complete, CI brackets including two coats of painting to bracket etc.	Each	6		
36	S,F and fixing closet seat of approved make with lid and CP hinges, rubber buffer and brass screws complete. EWC, Plastic (Hollow type) white. (It. No. 10ai)	Each	4		
37	S, F & fixing white vitreous china best quality approved make wash basin with C.I. brackets on 75mm x 75 mm wooden blocks , C. P.waste fittings of 32mm dia. ō ō ō ō ō ō ō ō two coats of approved	Each	2		
38	S. , F & fixing EWC in white glazed vitreous chinaware of approved make complete in position with necessary bolts, nuts etc. with 'P' or 'S' trap.	Each	3		

39	S. , F & fixing orissa pattern water closet in white glazed vitreous chinaware of approved make complete in position with necessary bolts, nuts etc. with 'P' or 'S' trap.	Each	3		
40	S. , F & fixing stainless steel sink complete with waste fittings and two coats of painting of CI brackets. Sink with drain board 1050mm x 450mm x 180mm	Each	1		
41	Providing and fixing of false ceiling with white podwer coated exposed G.I grid suspension system (E-Grid T 2430 or equivalent load carrying capacity with mid span deflection not exceeding 1/360 span with hanger spacing of 1200mm c/c) consisting of Main Runner 3600 mm long, Cross Tee 1200 mm /600mm long and Wall Angle. The Wall Angle shall be fixed on PVC Dash Fasteners on the perimeter of the wall bt steel screws with distance 300mm c/c. The Main Runners to be placed @1200mm. The Cross Tee 1200mm will be inserted in the pre-cut slots of Main Runners at a regular interval of 600mm to form a modular grid of 1200mm x 600mm. Additional Cross Tees of 600 mm shall be placed perpendicular to the Cross Tee 1200 mm long to finally form a grid of 600 mm x 600 mm. Grid of module size 600 mm x 600 mm shall be supported by 6 mm dia G.I wire from purlins / soffit. False Ceiling with 12 mm thick approved semi perforated, Caraprano brand Gypsum Board.	Sq.M	45.00		
42	Supply of UPVC pipes (B type) & fitting, fixing conforming to IS - 13592 - 1992.				
	i) single socket 110mm.	metre	10		
ii)	Fittings. Plain Tee. 110mm	Each	2		
iii)	Fittings. Door Tee. 110mm	Each	2		
iv)	Fittings. Door bend. 110mm	Each	2		
v)	Fittings. 110x110mm P trap with ring	Each	8		



43	Dismantling existing asbestos roof.	Sqm	55		
44	S , F & fixing 32mm dia. Flush pipe of approved make with necessary fixing materials and clamps complete. Polythene Flush pipe.	Each	6		
				<b>TOTAL</b>	

( Rupees 0 0 0 0 0 0 0 0 0 0 0 0 ... 0 )

Date :  
Place:

Signature of contractor  
with seal