

**REPAIRING & RENOVATION WORKS IN THE GENTS HOSTEL &
COOKS QUARTER AT 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	700.00		
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	4.00		
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	5.00		
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	25.00		
5	Repairing cracks in wall by cement grouting (1:2) including widening the crack on the surface (into V section) cleaning and packing the same with cement mortar (1:2) including acrylic based polmer and finishing off to match with adjacent surface. (cement 69Kg /100 m) Cement mortar should be prepared adding Mastercrete M81, acrylic emulsion as per technical specification of the manufacturer.	Mtr	100		
6	Brickwork with 1st class bricks in cement mortar (1:6), in any floor.	Cu.M	2.00		

Sl.No.	DESCRIPTION OF ITEMS	UNIT	QUANTITY	RATE	AMOUNT
7	Taking out shutter of door and window,dismantling by parts (for repair or replacement of damage parts) reassembling and fitting and rehangng same with olds/new fittings (where necessary) with new screwa as necessary as per instruction of EIC.	Sqm	40.00		
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	400.00		
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	700.00		
10	Ordinary Cement Concrete (mix1:2:4) with graded stone chipls (20mm nomonal size) excluding shuttering and reinforcement. The rate is inclusive required scaffolding at any level.	Cu.m	2.00		
11	Providing Reinforced cement concrete in 1:1.5:3 (1 cement :1.5 coarse sand :3 graded stone aggregate 20mm nominal size) works in beams, suspended floors,roofs , landings, balconies, shelves, chajjas, lintels, bands, window sills, staircases, at all level excluding shuttering and reinforcement. The rate is inclusive required scaffolding at any level.	Cu.M	1.00		

Sl.No.	DESCRIPTION OF ITEMS	UNIT	QUANTITY	RATE	AMOUNT
12	Reinforcement (Tor steel) for reinforced concrete work in the all sorts of structures (in foundation, plinth beam, lintel and chajja, roof slab and beam upto 4m height) including distribution bars, srirups, binders etc. including supply of rods, initial straightening and removal of loose rust (if necessary), cutting to requisite length, hooking and bending to correct shape, placing in proper position and binding with 16 gauge black annealed wire at every intersection, complete as per drawing and direction at any floor.	M.T	0.20		
13	Hire and labour chages for shuttering with centering and necessary staging upto 4.m m using approved stout props and thich hard wood planks of approved thickness with required bracing for concrete slabs, beam, column, staircase, lintels etc. including fitting and fixing & striking out after completion of works in any level.	Sq.m	30.00		
14	Cleaning the concrete surface by removing dirt and making defective locations and removing loose concrete by carefull stripping until hard surface is exposed, cutting the concrete to regular shape, wire brushing the exposed surface and removing debris from site complete as per direction of EIC.The rate is inclusive required scaffolding at any level.	Sq.M	50.00		
15	Cleaning the exposed reinforcement preferably full diameter by wire brush, applying two coats of polymer based rust removing compound left for 24 hours, removing the coating and then applying two coats of polymer modified anti corrosive protective coating formulated to inhibit the corrosion of reinforcement as per manufacturer's spacification.The rate is inclusive required scaffolding at any level.	Sq.M	10.00		

Sl.No.	DESCRIPTION OF ITEMS	UNIT	QUANTITY	RATE	AMOUNT
16	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		
17	Providing and laying on well prepared clean and dry concrete/ plastered surface high performance, heavy duty torched on polymeric water proofing membrane MOPLY-FP-3mm . (4Kg/Sqm) mineral finish of approved colour, heavy duty APP polymer modified plastemarc bituminous membrane with polyester fibre reinforcement thermo fusible film on bottom sides and self protecting natural mineral finish on top, laid on a coat of primer EMUFAL- TE of TEXA @.30ltr./sqm including providing 90 to 100mm overlapping & sealing the joints and raising the treatment up to 400mm over the parapet wall and taking the same with in the parapet wall & closing it with concrete/plaster. The minimum weight of the membrane shall be 4kg/sqm, finishing and mending good all damages at the roof, all surface preparation including plastering etc. all complete as per direction.	Sqm	170.00		
18	37.5 mm thick Cement Concrete (1:1.5:3) with graded stone chips 5.6 mm size with hezagonal 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 eic. 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	40.00		

Sl.No.	DESCRIPTION OF ITEMS	UNIT	QUANTITY	RATE	AMOUNT
19	Priming one coat on timber, plastered surface with synthetic oil bound primer of approved quality including smoothening surface by sand papering etc.	Sq.M	2000.00		
20	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	100.00		
21	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	2000.00		
22	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	150.00		
	b). On Steel or Metal Surface	Sq. M	200.00		

Sl.No.	DESCRIPTION OF ITEMS	UNIT	QUANTITY	RATE	AMOUNT
23	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, longscrow, 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 accesories, specials.)				
	a). 100 mm dia.	Metre	10.00		
24	Supplying, Fitting and fixing G.I pipes of TATA make with all necessary accessories, special viz. socket, bend, tee, union, cross, elbo, nipple, longscrow, 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		
25	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	3.00		
	b). 50mm/40mm dia.	Each	3.00		

Sl.No.	DESCRIPTION OF ITEMS	UNIT	QUANTITY	RATE	AMOUNT
26	Rendering the surface of walls and ceiling with white cement based wall putty of approved make and brand (1.5mm thick)]	Sq.M	1000.00		
27	Supplying and laying true in level vitrified tiles of approved brand (size not less than 600x600mmx10mm thick) in floor, skirting 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	115.00		
28	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 ø ø ø ø ø ø ø ø ø ø ø ø ø ø 8m or part thereof. i) For structural members of specified sections weighing not less than 22.5kg/m. (p-72, it. no. 1)	MT	0.20		
29	Panel shutters of door and window as per design (each panel consisting of single plank without joint) including fitting and fixing the same position ø ø ø ø ø ø 35mm thick shutters with 19mm thick panel of size 30to 45 cm.with Sishu, gamar, champ, badam, bhola, mogra, hallak. (It. No. 84iii, p- 105)	Sqm	15.00		

Sl.No.	DESCRIPTION OF ITEMS	UNIT	QUANTITY	RATE	AMOUNT
30	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. (P-85, It.no. 1d)	CUM	0.10		
31	Supplying, fitting and fixing glass reinforced polyester translucent fibre glass sheet to match with CGI corrugation as per IS:12866-1989 in roof Minimum side lap complete. A) 1.6mm +/- 0.2mm thick sheet (2.6kg/sqm). Natural white or tinted blue colour. (p-63, it.no.25ai)	Sqm	20.00		
32	Artificial stone floor, dado, staircase etc. with cement concrete (1:2:4) with stonechips, laid in panels as directed with topping made with ordinary or white cement (as necessary) and marble dust in proportion (1:2) Using @1.75kg/sqm all complete including all materials and labour. 3mm thick topng. 35 mm thick (p-40, it. no. 3iii)	Sqm	60.00		
33	Supplying PVC water storage tank of approved quality with closed top with lid (black) - Multilayer. 2000 litre capacity	Each	2.00		
34	Labour charges for lowering existing 2 nos. plastic water storage tank and hoisting 2 nos. plastic water storage tank including fixnig all pipes (outlet & inlet) as per direction of EIC .	LS	1		
35	Protective and decorative Acrylic exterior emulsion paint of approved quality (p-159, it.no.19b)	Sqm	1200.00		
36	Scraping and removing greasy soot from walls or ceiling of kitchen or similar (p-155, it. No.2)	Sqm	1200.00		
37	Supplying, fitting and fixing fly/mosquito proof nylon net on any type window, door shutter frame with necessary fixing arrangements complete as per direction of EIC.	Sqm	35.00		

Sl.No.	DESCRIPTION OF ITEMS	UNIT	QUANTITY	RATE	AMOUNT
38	Taking out shutter of door and window,dismantling by parts (for repair or replacement of damaged parts) reassembling and fitting and rehangng same with olds/new fittings (where necessary) with new screws and hardwares as necessary as per instruction of EIC.	Sqm	40.00		
39	Supplying best indian sheet glass panes set in putty and fitted and fixed with nails and putty complete. 3mm thick (weighing 7.4kg/sqm) .	Sqm	10.00		
40	Supplying , fitting and fixing 30mm thick Factory made solid panel PVC Door shutter consisting of outer frame made out of MS tubes of 19 gauge thickness and size 19mm x 19mm for styles, top and bottom rails , MS frame shall have cost of steel primers (P-134, lt. no.146,)	Sqm	2.10		
41	Supplying, fitting and fixing Factory made PVC door frame of size 50mmx47mmx47mm with a wall thickness of 5mm made out of extruded 5mm PVC sheet miter cut at two corners and joined ò ò ò ò (P-136,lt.no.149)	Mtr.	5.20		
				TOTAL	

Place:
Date:

Signature of Contractor
with seal