

**Making roof shed at roof top of Biological Chemistry building 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	40.00		
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	2.00		
3	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	4.00		
4	Brickwork with 1st class bricks in cement mortar (1:6), in any floor.	Cu.M	2.00		
5	Applying 2 coats of bonding agent with synthetic multi functional rubber emulsion having adhesive and water proofing properties by mixing with water in proportion (1 bonding agent : 4 water : 6 cement) as per Manufacturer's specification.	Sq.M	40.00		
6	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	70.00		
7	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	2.00		

Sl.No.	DESCRIPTION OF ITEMS	UNIT	QUANTITY	RATE	AMOUNT
8	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	90.00		
9	Priming one coat on steel or other surfaces with sythetic oil bound primer of approved quality including smoothening surface by sand papering etc.	Sq.M	630.00		
10	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.				
	b). On Steel or Metal Surface	Sq. M	630.00		
10	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 one another with bracket, gussets, cleats as per design, direction of Engineer - in -charge complete including cutting to requisite shape and length, fabrication with necessary bolting metal arc welding conforming to IS : 816 - 1956 & IS : 1995 using electrodes of approved make and conforming to IS:814-1957, haulage, hoisting and erection all complete. i) For structural members of specified sections weighing not less than 22.5kg/m.	MT	7.00		

Part - II

Sl.No.	DESCRIPTION OF ITEMS	UNIT	QUANTITY	RATE	AMOUNT
11	Supplying and laying colour polyester coated galvanized Zinc-alume alloy sheet roofing (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 accessories 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.	Sqm	620.00		
				TOTAL	

(Rupees)

Date :
Place:

Signature of Contractor
with seal