

NATIONAL INSTITUTE OF TECHNOLOGY, TIRUCHIRAPLLI- 620015

ESTATE MAINTENANCE DEPARTMANT

SCHDULE OF WORK**Name of Work :** Special works for SIF Lab I & V**Ref :** NITT/ CoW/EMD/Civil Works/ **En. No.23(3)/14-15** , Dt.19.12.2014

Name of the Firm/Contractor:

ITEM No	SUB-HEADS AND ITEM OF WORK	QUANTITY	UNIT	RATE (Rs)	RATE (In Words)	AMOUNT(Rs)
1	REINFORCED CEMENT CONCRETE					
1.1	Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts etc. up to floor five level, excluding cost of centering, shuttering, finishing and reinforcement :	2.20	cum			
1.1.1	1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)					
1.2	Centering and shuttering including strutting, propping etc. and removal of form for :	25.00	sqm			
1.2.1	Suspended floors, roofs, landings, balconies and access platform					
1.3	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level.	90.00	kilogram			
1.3.1	Thermo-Mechanically Treated bars					

ITEM No	SUB-HEADS AND ITEM OF WORK	QUANTITY	UNIT	RATE (Rs)	RATE (In Words)	AMOUNT(Rs)
2	MARBLE WORK					
2.1	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.	20.00	sqm			
2.1.1	Granite of any colour and shade					
2.1.1.1	Area of slab upto 0.50 sqm					
3	WOOD AND P.V.C. WORK					
3.1	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 :	19.00	sqm			
3.1.1	35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws					
3.2	Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete :	50.00	each			
3.2.1	150x10 mm					
3.3	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete :	50.00	each			
3.3.1	100 mm					

ITEM No	SUB-HEADS AND ITEM OF WORK	QUANTITY	UNIT	RATE (Rs)	RATE (In Words)	AMOUNT(Rs)
3.4	Providing and fixing aluminium hanging floor door stopper, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade, with necessary screws etc. complete.					
3.4.1	Single rubber stopper	25.00	each			
3.5	Providing and fixing bright finished brass 100 mm 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.	18.00	each			
3.6	Providing and fixing magnetic catcher of approved quality in cupboard / ward robe shutters, including fixing with necessary screws etc. complete.	25.00	each			
3.6.1	Triple strip vertical type					
4	STEEL WORK					
4.1	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.					
4.1.1	In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works	1,230.00	kg			

ITEM No	SUB-HEADS AND ITEM OF WORK	QUANTITY	UNIT	RATE (Rs)	RATE (In Words)	AMOUNT(Rs)
5	ROOFING					
5.1	<p>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 made with frame of perimeter channels suitably fixed, all complete as per drawings, specification and direction of the Engineer in Charge but excluding the cost of painting with :</p>	440.00	sqm			
5.1.1	12.5 mm thick tapered edge gypsum plain board conforming to IS: 2095- Part I					

ITEM No	SUB-HEADS AND ITEM OF WORK	QUANTITY	UNIT	RATE (Rs)	RATE (In Words)	AMOUNT(Rs)
6	FINISHING					
6.1	12 mm cement plaster of mix :	60.00	sqm			
6.1.1	1:6 (1 cement: 6 fine sand)					
6.2	Applying one coat of water thinnable cement primer of approved brand and manufacture on wall surface :	60.00	sqm			
6.2.1	Water thinnable cement primer					
6.3	Finishing walls with water proofing cement paint of required shade :	10.00	sqm			
6.3.1	New work (Two or more coats applied @ 3.84 kg/10 sqm)					
6.4	Wall painting with acrylic emulsion paint of approved brand and manufacture to give an even shade :	50.00	sqm			
6.4.1	Two or more coats on new work					
7	DISMANTLING & DEMOLISHING					
7.1	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.	2.20	cum			
7.1.1	In cement mortar					
8	NIT-T Local Items					
8.1	Brick work with common burnt clay modular bricks of class designation 3.5 in superstructure above plinth level up to floor V level in all shapes and sizes in Cement Mortar 1:6	8.00	Cum			

SIGNATURE OF CONTRACTOR