

PONDICHERRY UNIVERSITY
ENGINEERING WING

SCHEDULE OF WORK

Name of the work: Providing and laying vitrified floor tile & false ceiling at Department of Microbiology, Science Block – I

S. No.	Description	Qty.	Rate Rs.P.	Unit	Amount Rs.P.
1. 15.2 3.2	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	56.00		Sqm	
2. 12.4 5.1	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	52		Sqm	

	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 :12.5 mm thick tapered edge gypsum plain board conforming to IS: 2095-(Part I) : 2011 (Board with BIS certification marks)				
3. 6.4.2	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)	1.00		Cum	
4. 6.13. 2	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 V level- Cement mortar 1:4 (1 cement :4 coarse sand)	5.00		Sqm	
5. 6.15	Extra for providing and placing in position 2 Nos 6mm dia. M.S. bars at every third course of half brick masonry.	5.00		Sqm	
6. 5.9.3	Centering and shuttering including strutting, propping etc. and removal of form for Suspended floors, roofs, landings, balconies and access platform	10.00		Sqm	
7. 5.3	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases above plinth level up to floor five level, excluding the cost of centering,shuttering, finishing and reinforcement with 1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) : 3 graded stone aggregate 20 mm nominal size).	0.50		Cum	
8. 5.22 A.6	Steel reinforcement for R.C.C. 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.	50.00		Kg	
9.	20 mm cement plaster of mix : 1:6 (1	8.00		Sqm	

13.3. 2	cement: 6 fine sand)				
10. 13.1. 2	12 mm cement plaster of mix : 1 cement: 6 fine sand	10.00		Sqm	
11. 11.4 1.2	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 @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete. Size of Tile 600x600 mm	56.00		Sqm	
12. 8.31	Providing and fixing Ist 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 hade complete.	13.00		Sqm	
13. MR	Providing and fixing PVC corner beading of required size to suit the thickness of the wall tile at the corner joints of dado works	2.00		Rmt	
14. MR	Wall painting with plastic emulsion commercial of approved brand and manufacture to give an even shade two or more coats on old work	70.00		Sqm	
15. 13.9 9.1	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade: One or more coats on old work	30.00		Sqm	
16. 13.4 3.1	Applying one coat of water thinnable cement primer of approved brand and manufacture on wall surface : Water thinnable cement primer	22.00		Sqm	

17. 13.6 0.1	Wall painting with acrylic emulsion paint of approved brand and manufacture to give an even shade : Two or more coats on new work	22.00		Sqm	
18. 17.1 1.2	Providing and fixing white vitreous china laboratory sink with C.I. brackets, C.P. brass chain with rubber plug, 40 mm C.P brass waste and 40mm C.P. brass trap with necessary C.P. brass unions complete, including painting of fittings and brackets, cutting and making good the wall wherever required : Size 600x450x200mm	2.00		Each	
19. MR	Providing and fixing brass thee way lab bib cock of approved quality. The rate including labours and materials etc., complete as direction by the Engineer – in-charge - 15 mm nominal bore.	2.00		Each	
20. 8.2.2 .2	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. Area of slab over 0.50 sqm	10.00		Sqm	
21. 8.3.2	Providing edge moulding to 18 mm thick marble stone counters, Vanities etc., including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-Charge. Granite work	20.00		Rmt	
22. 18.7. 2	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. 20	11.00		Rmt	

	mm nominal outer dia Pipes				
23. MR	Providing and fixing on wall/column face unplasticised - PVC soil and waste pipes (type B) conforming to IS:13592 - 1992 including jointing with seal ring conforming to IS : 5382 leaving 10mm gap for thermal expansion - single socketed pipes 75mm diameter	11.00		Rmt	
24. MR	Providing and fixing on wall face /column face unplasticised - PVC moulded fittings /accessories for unplasticised - PVC soil and waste pipes conforming to IS :14735-1999 including jointing with seal ring conforming to IS:5382 leaving 10mm gap for thermal expansion - Single tee without door - 75x75x75mm	2.00		Each	
25. MR	Providing and fixing on wall/column face unplasticised - PVC moulded fittings / accessories for unplasticised - PVC soil and waste pipes conforming to IS:14735 - 1999 including jointing with seal ring conforming to IS: 5382 leaving 10mm gap for thermal expansion - Single tee with door - 75x75x75mm	1.00		Each	
26. 12.4 3.1	Providing and fixing unplasticised -PVC pipe clips of approved design to unplasticised - PVC rain water pipes by means of 50x50x50 mm hard wood plugs, screwed with M.S. screws of required length, including cutting brick work and fixing in cement mortar 1:4 (1 cement: 4 coarse sand) and making good the wall etc. complete. 75 mm pipe clips	6.00		Each	
27. 17.2 8.1.1	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete- 32 mm dia	2.00		Each	
28. MR	Supplying and fixing fleeted screens at Dept. of Microbiology using the approved quality screen cloth width not less than 120cm with necessary curtain rod rainbow, plastic screen cloth used should be not less than Rs.140 for screen cloth. The rate including all labours and materials etc., complete as per the direction of the Engineer-in-charge.				
	a) Handloom material - big window	21.00		Rmt	

	b) Handloom lining - big window	21.00		Rmt	
	c) Stretching charge - big window	9.00		Each	
	d) Curtain rod rainbow	5.00		Metre	
	e) Rod fixing charge	2.00		Each	
29. 21.1. 1.2	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) : For fixed portion- Powder coated aluminium (minimum thickness of powder coating 50 micron)	34.00		Kg	
30. 21.1. 2.2	For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately)- Powder coated aluminium (minimum thickness of powder coating 50 micron)	25.00		Kg	
31. 21.3. 2	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge . (Cost of aluminium snap beading shall be paid in basic item): With float glass panes of 5 mm thickness (weight not less than 12.50 kg/ sqm)	10.00		Sqm	

	Total				

I hereby abide the rules and regulations stipulated in the CPWD form no. 6 & 8.

Contractor

Executive Engineer