

PONDICHERRY UNIVERSITY
ENGINEERING WING

SCHEDULE OF WORK

Name of the work: Providing and fixing homogeneous Polyvinyl chloride sheet flooring and granite working platform along with water line connection at department of Biochemistry.

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 50m lead - For thickness of tiles above 25mm and upto 40mm.	6.00		Sqm	
2 6.4.2	Brick work with FPS bricks of class designation 35 in superstructure above plinth level upto floor V level in all shapes and sizes in cement mortar 1:6 (1 cement : 6 coarse sand)	1.25		Cum	
3 5.3.1	Reinforced cement concrete work in beams, suspended floors, roofs having slope upto 15 degree landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases upto floor five level excluding the cost of centering, shuttering, finishing and reinforcement with 1:1.5:3 (1 cement :1.5 coarse sand : 3 graded stone aggregate 20mm nominal size).	0.75		Cum	
4 5.9.3	Centring and shuttering including strutting, propping etc. and removal of form for : suspended floors, roofs, landings , balconies and access platform - Using steel sheet with M.S.frames	10.00		Sqm	
5 5.22. 7	Reinforcement for R.C.C work including straightening , cutting , bending , placing in position and binding all complete - Thermo - Mechanically treated bars(ISI BRAND OF APPROVED MAKE) including placing the M30 grade Athees make cover block @ 60cm centre to centre	65.00		Kg	

6 13.6. 2	20 mm cement plaster of mix 1:6 (1 cement : 6 coarse sand)	18.00		Sqm	
7 13.7. 1	12 mm cement plaster finished with a floating coat of neat cement of mix 1:3 (1 cement : 3 fine sand)	10.00		Sqm	
8 14.4 5.1	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade - Old work (one or more coats).	90.00		Sqm	
9 13.2 6A	Providing and applying ready mixed wall putty (JK / BIRLA) of 2mm thickness over plastered surface to prepare the surface even and smooth complete	10		Sqm	
10 13.4 1.1	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade - New work (two or more coats) over and including priming coat with cement primer.	30.00		Sqm	
11 8.2.2 .2	Providing and fixing 18mm 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 of approved shade, colour and texture laid over 20mm thick base cement mortar 1:4 (1 cement: 4 coarse sand) with joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing moulding and polishing to edge to give high gloss finish etc. complete at all levels. - Granite of any colour and shade - Area of slab over 0.50 sqm	5.00		Sqm	
12 8.3.2	Extra for providing edge moulding to 18mm thick marble stone counters, vanities, etc., including machine polishing to edge to give high gloss finish etc., complete. - Granite work.	7.00		Rmt	
13 11.3 6A	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS : 15622	6.00		Sqm	

	(thickness to be specified by the manufacture of approved make (Jhonson / Asian / Somany / Nitco) in all colours, shades of size 200 x 300 mm as approved in skirting, risers of steps and dados over 12mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3 kg per sqm. Including pointing in white cement mixed with pigment of matching shade complete. - size 200x300mm				
14 17.1 1.2	Providing and fixing white vitreous china laboratory sink with CI brackets CP brass chain with rubber plug 40mm CP brass waste and 40mm CP brass trap with necessary CP brass unions complete including painting of fittings and brackets cutting and making good the walls wherever required size 600x450x200mm.	1.00		Each	
15 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 i/c fixing the pipe with clamps at 1.00m spacing. This includes jointing of pipes & fitting with one step CPVC solvent cement and testing of joints complete (Internal work exposed on wall) - 20mm nominal outer dia pipes	10.00		Rmt	
16 19.3 3.2	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	10.00		Rmt	
17 17.2 8.1.1	Providing and fixing PVC waste pipe for sink or wash basin including PVC waste fittings complete - Semi rigid pipe - 32mm dia.	1.00		Each	
18 MR	Providing and fixing brass thee way lab bib cock of approved quality. The rate including labours and materials etc., complete as	1.00		Each	

	direction by the Engineer – in-charge - 15 mm nominal bore.				
19 9.84	Providing and fixing IS:3564 make aluminium extruded section body tubular type universal hydraulic door closer with double speed adjustment with necessary accessories and screws etc.complete	1.00		Each	
20 11.5 3.3	Providing and fixing homogeneous Polyvinyl chloride sheet in flooring and skirting in approved pattern on a smooth and damp proof base using rubber based adhesives of approved quality including rolling with light wooden roller weighing about 5kg. All complete -2mm thick -sheet	87.00		Sqm	
21 9.12 1	Providing and fixing Fiber glass reinforced Plastic (FRP) door frames of cross section 90mm x 45mm having single rebate of 32mm x 15mm to receive shutter of 30mm thickness. The laminate shall be molded with fire resistant grade unsaturated polyester resin and chopped mat. Doorframe laminate shall be 2mm thick and shall be filled with suitable wooden block in all the three legs. The frame shall be covered with fibreglass from all sides. MS stay shall be provided at the bottom to steady the frame	22.00		Rmt	
22 MR	Providing threshold of required length at bottom of doors in lab and faculty room using cement concrete (12.5mm stone aggregate chips with cement mortar) after pointing the surface, finishing with neat cement slurry etc., complete as direction by the Engineer - in - charge. (Size 1.6x0.08x0.04x1No & 0.95x0.08x0.04x1No)	1.00		Job	
23 9.12 0.2	Providing and fixing to existing door frames - 30mm thick factory made solid both side prelam panel PVC door shutter consisting of frame made out of M.S.tubes of 19 gauge thickness and size of 19mm x 19mm for stiles, top & bottom rails.M.S.frame shall	6.00		Sqm	

	<p>have a coat of steel primers of approved make and manufacture. M.S. frame covered with 5mm thick heat moulded prelam PVC 'C channel of size 30mm thickness, 70mm width out of which 50mm shall be flat and 20mm shall be tapered in 45 degree angle on either side forming stiles; and 5mm thick , 95mm wide PVC sheet out of which 75mm shall be flat and 20mm shall be tapered in 45 degree on the inner side to form top and bottom rail and 115mm wide PVC sheet out of which 75mm shall be flat and 20mm shall be tapered on both sides to form lock rail. Top, button and lock rails shall be provided either side of the panel. 10mm (5mmx2) thick, 20mm wide cross PVC sheet be provided as gap insert for top rail & bottom rail, panelling of 5mm thick both side prelam PVC sheet to be fitted in the M.S.frame welded / sealed to the stiles & rails with 7mm (5mm+2mm) thick x 15mm wide PVC sheet beading on inner side , and joined together with solvent cement adhesive. An additional 5mm thick PVC strip of 20mm width is to be stuck on the interior side of the 'C channel using PVC solvent adhesive etc.complete manufactures specification & drawing</p>				
24 MR	<p>Supplying and fixing sun control film of approved make. The rate includes material cost of adhesive compound, labour for fixing and VAT etc., complete as per the direction of the Engineer-in-charge.</p>	2.00		Sqm	
25 21.1. 1.1	<p>Providing and fixing aluminimum 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, fixed with rawl plugsand screws or with fixing clips, or with expansion hold fasteners including necessary filling up</p>	15.00		Kg	

	<p>of gaps at junctions, at top, bottom and sides with required PVC / neoprene felt etc. Aluminum sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminum snap beading for glazing / panelling, C.P. brass / stainless steel screws, all complete as per architectural drawings. (Glazing and panelling to be paid for separately) : For fixed portion. Anodised aluminum (anodised transparent or dyed to required shade according to IS : 1868, Minimum anodic coating of grade AC 15)</p>				
26 21.1. 2.1	<p>Providing and fixing aluminum 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, fixed with rawl plugs and screws or with fixing clips, or with expansion hold fasteners including necessary filling up of gaps at junctions, at top, bottom and sides with required PVC / neoprene felt etc. Aluminum sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminum snap beading for glazing / panelling, C.P. brass / stainless steel screws, all complete as per architectural drawings. (Glazing and panelling to be paid for separately) : For shutters of doors, windows and ventilators including providing and fixing hinges / pivots and making provision for fixing of fittings wherever required including the cost of PVC / neoprene gasket required (fittings shall be paid for separately) Anodised aluminum (anodised transparent or dyed to required shade according to IS : 1868, minimum anodic coating of grade AC15).</p>	24.00		Kg	

27 21.3. 1	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc., with PVC / neoprene gasket etc., complete as per the architectural drawings. (cost of aluminium snap beading shall be paid in basic item) : With float glass panes of 4.0mm thickness.	7.00		Sqm	
28 9.10 0.3	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 :-75mm	8.00		Each	
	Total				

Terms & Conditions:

- i) The rates specified are firm and not subject to any variation.
- ii) The work should be completed within 30 days.
- iii) Payment will be made only after completion of the entire work.
- iv) The material should be got approved before commencement of work.

Executive Engineer