

PONDICHERY UNIVERSITY
ENGINEERING WING

SCHEDULE OF WORK

Name of work: Maintenance of Science block – I & II (Providing aluminium partition and false ceiling at Center for Ecology and Green Energy Technology)

S. No.	Description	Qty.	Rate Rs.P.	Unit	Amount Rs.P.
1 21.1. 1.1	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, 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. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium 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 aluminium (anodised transparent or dyed to required shade according to IS : 1868, Minimum anodic coating of grade AC 15)	118.00		Kg	
2 21.1. 2.1	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, 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. Aluminium sections shall be smooth,	17.95		Kg	

	rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium 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 aluminium (anodised transparent or dyed to required shade according to IS : 1868, minimum anodic coating of grade AC15).				
3 21.2. 1	Providing and fixing 9mm thick prelaminated particle board flat pressed three layer or graded wood particle board conforming to IS : 12823 grade 1 type II in panneling fixed in aluminium doors, windows, shutters and partition frames with C.P. brass / stainless steel screws etc., complete as per architectural drawings. Prelaminated particle board with decorative lamination on one side and balancing lamination on other side.	35.00		Sqm	
4 21.3. 2	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 5mm thickness.	21.00		Sqm	
5 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 B60etc.complete	10.00		Each	
6 9.113	Providing and fixing bright finished 100mm mortice lock with 6 levers without pair of handles for aluminium door with necessary screws etc complete (best make of approved quality)	2.00		Each	

7 9.100 .1	Providing and fixing aluminium handles ISI marked anodised (anodic coating not less than grade as per 10 as per IS:1868) transparent or dyed to required colour or shade with necessary screws etc.complete :-125mm	4.00		Each	
8 9.101 .2	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 - Twin rubber stopper	2.00		Each	
9 MR	Providing and fixing gear wheel for sliding door at aluminium "G" section of 40x40x20x20 by using 2nos. of gear wheel and 3nos.of rubber bush for each door shutter etc. complete.	2.00		Set	
10 11.53 .1	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 - 1.5mm thick - sheet	52.00		Sqm	
11 12.45 .1	Providing and fixing at all height false ceiling including providing and fixing of frame work made of special sections power pressed from M.S. sheet and galvanised in accordance with zinc coating of grade 350 as per IS :277 and consisting of angle cleats of size 25mm wide X 1.6mm thick with flanges of 22mm and 37mm at 1200mm centre to centre one flange fixed to ceiling with dash fastener 12.5mm dia X 40mm long with 6mm dia bolts to the angle hangers of 25X25X0.55mm of required length, and other end of angle hanger being fixed with nut and bolts to the G.I. channels 45X15X0.9mm running at the rate of 1200mm centre to centre to which the ceiling section 0.5mm thick bottom wedge of 80mm with tapered flanges of 26mm each having clips of 10.5mm at 450mm centre to centre shall be fixed in a	7.50		Sqm	

	direction perpendicular to G.I. channel with connecting clips made out of 2.64mm dia X 230mm long G.I. wire at every junction including fixing the gypsum board with ceiling section and perimeter channels 0.5mm thick 27mm high having flanges of 20mm and 30mm long, the perimeter of ceiling fixed to wall / partition with the help of rawl plugs at 450mm centre to centre with 25mm long drive-all screws @ 230mm interval including jointing and fixing to a flush finish of tapered and square edges of the board with recommended filler, jointing tapes, finisher and two coats of primer suitable for board as per manufactures specification and also including the cost of making openings for light fittings, grills, diffusers, cutouts made with frame of perimeter channels suitable fixed all complete as per drawing and specification but excluding the cost of painting with : 12.5mm thick tapered edge gypsism board conforming to IS: 2095 – part I,				
12 17.9. 1	Providing and fixing Kitchen sink with CI brackets, CP brass chain with rubber plug 40mm CP brass waste complete, including paintings the fittings and brackets, cutting and making good the walls wherever required. White glazed fire clay kitchen sink of size 600x450x250 mm.	2.00		Each	
13 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	30.00			
14 18.7. 5	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	18.00		Metre	

	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) - 40mm nominal outer dia pipes				
15 31.9. 2	Providing and fixing brass gate valve with C.I. wheel of approved quality (screwed end) - 20mm nominal bore.	2.00		Each	
16 31.15 2.1c	Providing and fixing mild steel bracket including bolts,nuts,rubber insertion, labour charges etc,complete-65 x 20mm dia	1.00		Each	
17 MR.	Providing and fixing brass three way labtap of approved quality - 20mm nominal bore.	2.00		Each	
18 12.41 .2	Providing and fixing on wall face unplasticised rigid PVC rain water pipes conforming to IS : 13592 type A including jointing with seal ring conforming to IS : 5382 leaving 10mm gap for thermal expansion, (i) single socketed pipes. 110mm diameter.	144.00		Metre	
19 12.42 .5.2	Providing and fixing on wall face unplasticised- PVC moulded fittings / accessories for unplasticised rigid PVC rain water pipes conforming to IS : 13592 type A including jointing with seal ring conforming to IS : 5382 leaving 10mm gap for thermal expansion. Bend 87.5deg. 110mm bend.	12.00		Each	
20 12.42 .6.2	Providing and fixing on wall face unplasticised - PVC moulded fittings / accessories for unplasticised rigid PVC rain water pipes conforming to IS : 13592 type A including jointing with seal ring conforming to IS : 5382 leaving 10mm gap for thermal expansion. Shoe (plain)110mm shoe.	12.00		Each	
21 12.43 ..2	Providing and fixing unplasticised - PVC clips of approved design to unplasticised - PVC rain water pipes by means of 50x50x50mm 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.	72.00		Each	

	complete. 110mm				
22 12.41 .1	Providing and fixing on wall face unplasticised rigid PVC rain water pipes conforming to IS : 13592 type A including jointing with seal ring conforming to IS : 5382 leaving 10mm gap for thermal expansion, (i) single socketed pipes. 75mm diameter.	24.00		Meter	
23 12.42 .5.1	Providing and fixing on wall face unplasticised- PVC moulded fittings / accessories for unplasticised rigid PVC rain water pipes conforming to IS : 13592 type A including jointing with seal ring conforming to IS : 5382 leaving 10mm gap for thermal expansion. Bend 87.5deg. 75mm bend.	8.00		Each	
24 12.42 .6.1	Providing and fixing on wall face unplasticised- PVC moulded fittings / accessories for unplasticised rigid PVC rain water pipes conforming to IS : 13592 type A including jointing with seal ring conforming to IS : 5382 leaving 10mm gap for thermal expansion. Shoe(plain)75mm shoe.	4.00		Each	
				Total	

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

Contractor

Superintending Engineer