

PONDICHERRY UNIVERSITY
ENGINEERING WING

SCHEDULE OF WORK

Name of the work: Maintenance to the academic complex building gents hostel

S. No.	Description	Qty.	Rate Rs.P.	Unit	
1. 15.1 2.1	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead - of area 3 sqm and below	44.00		each	
2. 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, 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 (Glazing, paneling and dash fasteners 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)	171.00		kg	
3. 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, 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 (Glazing, paneling and dash fasteners to be paid for separately) - for shutters of doors, windows & ventilators including providing and fixing hinges / pivots and	128.00		kg	

	making provision for fixing of fittings wherever required including the cost of EPDM rubber / 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)				
4. 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 (cost of aluminium snap beading shall be paid in basic item) - with float glass panes of 5.50 mm thickness	71.00		sqm	
5. 21.1 7.1	Providing and fixing PVC switch lock of 100mm length for aluminium sliding windows	26.00		each	
6. 9.20. 1	Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part 1) decorative type, core of block board construction with frame of 1st class hard wood and well matched teak 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters - 35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	38		sqm	
7. 14.1. 1	Repairs to plaster of thickness 12mm to 20mm in patches of area 2.5 sq.metres and under including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete including disposal of rubbish to the dumping ground within 50 metres lead - with cement mortar 1:4 (1 cement : 4 fine sand)	63.00		sqm	
8. 14.5 3.1	Wall painting with plastic emulsion paint of approved brand and manufacture to give an even shade - One or more coats on old work	2650.00		sqm	
9. 13.8 5.1	Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound) content - with ready mixed pink or grey primer on wood work (hard and soft wood) having VOC content less than 50grams / litre	91.00		sqm	
10. 13.8 4.2	Painting with synthetic enamel paint, having VOC (Volatile Organic Compound) content less than 150 grams / litre, of approved brand and manufacture, including applying additional coats wherever required to achieve even shade and colour - Two coats	91.00		sqm	
11. 14.5 4.1	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	124.00		sqm	

12. 12.2 6.2	Providing and fixing plain mutipurpose cement board (high pressure steam cured) with suitable screws for cement particle board in ceiling etc.complete (frame work to be paid separately)-6mmthick Cement bonded wood particle board as per IS :14276	32.00		sqm	
13. 30.3 2	Providing and fixing netlon mesh	73.00		sqm	
14. 9.11 9	Providing and fixing factory made P.V.C. door frame of size 50x 47 mm with a wall thickness of 5mm , made out of extruded 5 mm rigid PVC foam sheet, mitred at corners and joined with 2 nos , of 150mm long brackets of 15 x15 mm M.S. square tube, the vertical door frame profiles to be reinforced with 19 x19 mm M.S.square tube of 19 gauge , EPDM rubber gasket weather seal to be provided through out the frame . The door frame to be fixed to the wall using M.S.screws of 65 / 100 mm size, complete as per manufacturter's specification	30.00		metre	
15. 9.12 0.1	Providing and fixing factory made panel PVC door shutter consisting of frame made out of M.S.tubes of 19 gauge thickness and size of 19 mm x 19 mm for styles and 15 x15 mm for top & bottom rails. M.S.frame shall have a coat of steel primers of approved make and manufacture . M.S. frame covered with 5 mm thick heat moulded PVC 'C' channel of size 30mm thickness, 70 mm width out of which 50 mm shall be flat and 20 mm shall be tapered in 45 degree angle on both side forming styles and 5 mm thick, 95 mm wide PVC sheet out of which 75 mm shall be flat and 20 mm shall be tapered in 45 degree on the inner side to form top and bottom rail and 115 mm wide PVC sheet out of which 75 mm shall be flat and 20 mm shall be tapered on both sides to form lock rail. Top , bottom and lock rails shall be provided both side of the panel. 10mm (5 mm x 2) thick , 20 mm wide cross PVC sheet be provided as gap insert for top rail & bottom rail , panelling of 5 mm thick both side PVC sheet to be fitted in the M.S. frame welded / sealed to the styles & rails with 7 mm (5 mm + 2 mm) thick x 15 mm wide PVC sheet beading on inner side , and joined together with solvent cement adhesive. An additional 5 mm thick PVC strip of 20 mm width is to be stuck on the interior side of the 'C' Channel using PVC solvent adhesive etc. complete manufacturer's specification & drawing -	10.00		sqm	

	30mm thick plain PVC door shutters				
16.9.10.0.3	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 - 75 mm	12.00		each	
17.9.97.5	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 - 100 x10 mm	12.00		each	
18.9.10.0.1	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 - 125 mm	36.00		each	
19.9.10.1.1	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 - Single rubber stopper	26.00		each	
20.9.96.1	Providing and fixing aluminium sliding door 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 nuts and screws etc complete - 300 X 16 mm	18.00		each	
21.9.97.1	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 - 300 x10 mm	36.00		each	
22.15.2.1	Demolishing cement concrete manually / by mechanical means including disposal of material within 50 metres lead - nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)	2.00		cum	
23.11.7	Cement concrete pavement with 1:2:4 (1 cement : 2 coarse sand: 4 graded stone aggregate 20 mm nominal size) including finishing complete	2.00		cum	
24.12.8.0	Providing and fixing colour coated galvalume sheet of 550 M.P.A. yield of AZ 150 strength formed as per patterned steel rib profile with the depth of 31 mm pitch of 250 mm and overall width of 1060 mm and thickness 0.5mm with required J or C hook bolts and nuts 8mm dia G.S.paint and working etc., complete excluding the cost of purlin , rafter and truss etc.,	4.00		sqm	
25.17.2.1	Providing and fixing white vitreous china pedestal type water closet (European type W.C.pan) with seat and	4.00		each	

	lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS: 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required - W.C. pan with ISI marked white solid plastic seat and lid				
26.17.18.1	Providing and fixing P.V.C. low level flushing cistern with manually controlled device (handle lever) conforming to IS:7231, with all fittings and fixtures complete - 10 litre capacity -white	6.00		each	
27.19.33.1	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 conformation to IS : 5382 leaving 10mm gap for thermal expansion - single socketed pipes -110mm diameter	20.00		metre	
28.19.33.2	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	20.00		metre	
	TOTAL				

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

Contractor

Executive Engineer(oc)