

PONDICHERRY UNIVERSITY
ENGINEERING WING

Schedule of work

Name of the work: Special repairs and maintenance to the security shelter

S.No./ Code	Description	Qty.	Rate Rs.P.	Unit	Amount Rs.P.
1 14.46	Removing dry or oil bound distemper, water proofing cement paint and the like by scrapping, sand apering and preparing the surface smooth including necessary repairs to scratches etc. complete.	1200.00		sqm.	
2 13.44.1	Finishing walls with water proofing cement paint of required shade - New work. (Two or more coats applied @ 3.84 kg/10 sqm)	1200.00		sqm.	
3 15.12.1	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 m lead – Of area 3 sq. metres and below.	18.00		Each	
4 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	87 .00		Kg	

	transparent or dyed to required shade according to IS : 1868, Minimum anodic coating of grade AC 15)				
5 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, 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).	83.00		Kg	
6 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.	26.00		sqm.	
7 21.17.1	Providing and fixing PVC switch lock of 100mm length for aluminium	18.00		Each	

	sliding windows				
8 9.120.1	<p>Providing and fixing to existing door frames - 30mm thick factory made solid 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 have a coat of steel primers of approved make and manufacture M.S.frame covered with 5mm thick heat moulded PVC 'C channel of size 30mm thickness, 110mm width out of which 90mm shall be flat and 20mm shall be tapered in 45 degree angle on either side forming stiles; and 5mm thick , 110mm wide PVC sheet out of which 90mm shall be flat and 20mm shall be tapered on the inner side to form top and bottom rail and 130mm wide PVC sheet out of which 90mm shall be flat and 20mm shall be tapered on both sides to form lock rail.Top bottom and lock rails shall be provided either side of the panel. 10mm(5mmx 2) thick , 20mm wide cross PVC sheet shall be provided as gap insert for top rail & bottom rail. Panelling of 5mm thick 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 bending 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>	12.00		sqm.	
9 9.21.2	<p>Providing and fixing ISI marked flush door shutters conforming to IS:2202 (Part 1) non-decorative type, core of block board construction with frame of 1 st class hard wood and well matched teak 3 ply veneering with vertical</p>	1.80		sqm.	

	grains or cross bands and face veneers on both faces of shutters. - 30 mm thick including ISI marked stainless steel butt hinges with necessary screws				
10 17.1.1	Providing and fixing water closet squatting pan (Indian type W.C.pan) with 100mm sand cast iron P or S trap, 10 litre low level white P.V.C . Flushing cistern 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 : white vitreous china Orissa pattern W.C .pan of size 580X 440mm with integral type foot rests	4.00		Each	
11 18.54.2	Providing and fixing PTMT bib cock of approved quality and colour 15mm nominal bore, 122mm long weighing not less than 99 gms.	15.00		Each	
12 18.9.12	Providing and fixing ASTM pipes including all ASTM plain & brass threaded fittings i/c fixing the pipe with clamps at 1.00m spacing. This includes jointing of pipes & fitting with one step ASTM solvent cement and testing of joints complete (Internal work exposed on wall) - 25mm nominal outer dia pipes	20.00		M	
13 2.31	Clearing jungle including uprooting of rank vegetation, grass, brush wood, trees and saplings of girth upto 30 cm measured at a height of 1 m above ground level and removal of rubbish upto a distance of 50 m outside the periphery of the area cleared	900.00		sqm.	
14 6.1.2	Brick work with FPS bricks of class designation 35 in foundation and plinth in cement mortar 1:6 (1 cement : 6 coarse sand)	0.50		Cum	
15 11.6	Cement plaster skirting (upto 30cm height) with cement mortar 1:3 (1 cement : 3 coarse sand) finished with a floating coat of neat cement. 18mm thick	10.00		sqm.	

16 14.54.1	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.	20.00		sqm.	
17 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)	10.00		sqm	
	Total				

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

Contractor

Executive Engineer