

PONDICHERY UNIVERSITY
ENGINEERING WING

SCHEDULE OF WORK

Name of the work: **Replacing the roofing sheet and Special repairs to the Startup Center**

S. No.	Description	Qty.	Rate Rs.P.	Unit	Amount Rs.P.
1 2.34.1	Supplying chemical emulsion in sealed containers including delivery as specified - Chlorpyriphos / lindane emulsifiableconcentrate of 20%	30.00		litre	
2 2.35.2.1	Diluting and injecting chemical emulsion for POST - CONSTRUCTIONAL anti-termite treatment (excluding the cost of chemical emulsion) - along the external wall below concrete or masonry apron using chemical emulsion @ 2.25 litres per linear metre including drilling and plugging holes etc. - with chlorpyriphosl lindane E.C.20% with 1% concentration.	100.00		metre	
3 2.35.4.1	Diluting and injecting chemical emulsion for POST - CONSTRUCTIONAL anti-termite treatment (excluding the cost of chemical emulsion) - Treatment of existing masonry using chemical emulsion @ one litre per hole at 300mm interval including drilling holes at 45 degree and plugging them with cement mortar 1:2 (1 cement : 2 coarse sand) to the full depth of the hole – with chlorpyriphos / lindane E.C. 20% with 1% concentration	100.00		metre	
4 4.1.3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - all work upto plith level - 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size)	13.00		cum	
5 6.3.1	Brick work with common burnt clay machine moulded perforated bricks of class designation 12.5 conforming to IS : 2222 in superstructure above plinth level upto floor five level in cement mortar 1:6 (1 cement : 6 coarse sand) - with F.P.S (non - modular) bricks	1.00		cum	
6 6.12.2	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundations and plinth in	50.00		sqm	

	- cement mortar 1:4 (1 cement :4 coarse sand)				
7 6.15	Extra for providing and placing in position 2 nos 6mm dia M.S.bars at every third course of half brick masonry	50.00		sqm	
8 11.36B	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS : 15622 (thickness to be specified by the manufacturer) , of approved make (Jhonson /Asian / Somany / Nitco) in all colours ,shades of size 300 x 450 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 with pigment of matching shade complete – size 300x450 mm	55.00		sqm	
9 11.53.3	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 5 kg. All complete - 2 mm thick sheet	91.00		sqm	
10 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 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	420.00		sqm	

	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 gypsym board conforming to IS: 2095 – part I,				
11 12.50	Providing & fixing precoated galvanised iron profile sheets (size, shape, and pitch of corrugation as 0.50mm (+0.05%), total coated thickness with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both sides of the sheet and polyster top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired. The sheet shall be fixed using self drilling / self tapping screws of size (5.5 x 55 mm) with EPDM seal, complete upto any pitch in horizontal / vertical or curved surfaces, excluding the cost of purlins , rafters and trusses and including cutting to size and shape wherever required	410.00		sqm	
12 12.51.1	Providing and fixing precoated galvanised steel sheet roofing accessories 0.5mm (+0.05%) total coated thickness , zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both sides of the sheet and polyster top coat 15-18 microns using self drilling / self tapping screws complete - Ridges plain (500 - 600mm)	33.00		metre	
13 12.51.5	Providing and fixing precoated galvanised steel sheet roofing accessories 0.5mm (+0.05%) total coated thickness , zinc	66.00		sqm	

	coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both sides of the sheet and polyester top coat 15-18 microns using self drilling / self tapping screws complete - Crimp curve				
14 13.2.1	15mm cement plaster on the rough side of single or half brick wall of mix - 1:4 (1cement : 4 fine sand)	50.00		sqm	
15 13.3.1	20mm cement plaster of mix -1:4 (1 cement : 4 fine sand) 20mm cement plaster of mix -1:4 (1 cement : 4 fine sand)	35.00		sqm	
16 13.43.1	Applying one coat of water thinnable cement primer of approved brand and manufacturer on wall surface - water thinnable cement primer	115.00		sqm	
17 13.60.1 B	Wall painting with plastic emulsion paint - Premium of approved brand and manufacture to give an even shade - two or more coats on new work	115.00		Sqm	
18 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 : 4fine sand)	35.00		sqm	
19 14.46	Removing dry or oil bound distemper, water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete	115.00		Sqm	
20 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	82.00		sqm	
21 14.67.2	Finishing walls with premium acrylic smooth exterior paint with silicon additives of required shade - old work (one or more coats applied @0.83 ltr /10 sqm)	490.00		sqm	
22 14.72	Providing and fixing double scaffolding system (cup lock type) on the exterior side, upto seven story hight made with 40 mm dia .M.S.tube 1.5m centre to centre , horizontal & vertical tubes joining with cup & lock system with M.S.tubes, M.S.tube	65.00		sqm	

	challies, M.S.clamps and M.S.staircase system in the scaffolding for working platform etc. and maintaining it in a serviceable condition for the required duration as approved and removing it there after. The scaffolding system shall be stiffened with bracings, runners, connection with the building etc wherever required for inspection of work at required locations with essential safety features for the orkmen etc.complete as approved. The elevational area of the scaffolding shall be measured for payment purpose. The payment will be made once irrespective of duration of scaffolding. (Note: This item to be used for maintenance work judiciously, necessary deduction for scaffolding in the existing item to be done.)				
23 15.7.4	Demolishing brick work manually / by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead - in cement mortar	2.00		cum	
24 15.13.2	Taking out doors, windows and clerestory window shutters (steel or wood) including stacking within 50 metres lead - of area beyond 3 sqm	7.00		each	
25 15.28.2	Dismantling roofing including ridges, hips, valleys and gutters etc., and stacking the material within 50 metres lead of - Asbestos sheet	410.00		sqm	
26 15.57	Dismantling aluminium / gypsum partitions, doors, windows, fixed glazing and false ceiling including disposal of unserviceable surplus material and stacking of serviceable material with in 50 metres lead	420.00		sqm	
27 15.39.3	Dismantling wooden boardings in lining of walls and partitions , excluding supporting members but including stacking within 50 metres lead - thickness above 25mm upto 40mm. walls and partitions , excluding supporting members but including stacking within 50 metres lead - thickness above 25mm up tom 40mm	50.00		sqm	
28 15.52	Dismantling of flushing cistern of all types (C.I / PVC / Vitrous china) including stacking of useful materials near the site and disposal of unserviceable materials	21.00		each	

	within 50 metres lead				
29 16.100	Acid cleaning for the existing Mosaic floors , glazed tiles work and removing the stains and decays to give a glassy look etc complte (The Acid used shall be 32% concentrated hydrochloric acid after taking on the precautionary measures)	7.00		sqm	
30 18.9.32	Providing and fixing ASTM pipes including all ASTM plain & brass threaded fittings this included jointing of pipes & fittings with one step ASTM solvent cement , trenching refilling & testing of joints complete (External work) - 25 mm nominal outer dia pipes	40.00		metre	
	Total				

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

Contractor

EXECUTIVE ENGINEER