

PONDICHERY UNIVERSITY
ENGINEERING WING

Name of work: Addition and alteration to the erstwhile Estate Office building

Schedule of work

Sl. No	Description	Qty	Rate	Unit	Amount
1	MR				
	Dismantling the terra kota jalli /mangalore tills with rafters at first floor including stacking of serviceable and disposable of unserviceable materials within 50 metre lead.	104.00		Sqm	
2	MR				
	Dismantling precast RCC shell roofing over the first floor roof including stacking of serviceable materials and disposable of unserviceable materials within 50metre lead. (Payment will be made based on the plan area of measurement)	137.00		Sqm	
3	Code No: 15.23.1				
	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50m lead - For thickness of tiles above 10mm and upto 25mm.	307.00		Sqm	
4	Code No: 15.28.1				
	Dismantling roofing including ridges, hips valleys and gutters etc. and stacking the material within 50m lead of - Asbestos Sheet.	114.00		Sqm	
5	Code No: 14.4.1				
	Making the opening in brick masonry including dismantling in floor or walls by cutting masonry and making good the damages to walls, flooring and jambs complete to match existing surface i/c disposal of mulba / rubbish to the nearest dumping ground - For door / window / clerestory window.	2.00		Sqm	
6	Code No: 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)	39.00		Cum	
7	Code No: 6.13.1				
	Half brick masonry with FPS bricks of class designation 35 in superstructure above plinth level upto floor V level in cement mortar 1:3 (1 cement: 3 coarse sand)	2.00		Sqm	
8	Code No: 5.3				

	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 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size).	34.00		Cum	
9	Code No: 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	4200.00		Kg	
10	Code No: 5.9.5				
	Centring and shuttering including strutting, propping etc. and removal of form for: lintels, beams, plinth beams, girders, bressumers and cantilevers.- Using steel sheet with M.S.frames	264.00		Sqm	
11	Code No: 9.48.2				
	Providing and fixing M.S.grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc .all complte - fixed to openings / wooden frames with rawl plugs screws etc	900.00		Kg	
12	Code No: 9.1.2P				
	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position - Padak wood	0.90		Cum	
13	Code No: 9.9.1.2P				
	Providing and fixing glazed shutters for doors, windows and clerestory windows using 4mm thick float glass panes including black enamelled ISI marked MS butt hinges with necessary screws. - Padak wood -30mm thick	30.00		Sqm	
14	Code No: 11.37				
	Providing and laying ceramic glazed floor tiles 300X300mm (thickness to be specified by the manufacture) of 1st quality conforming to IS : 15622 of approved make (Bell / Johnson / Regency / Somany / Naveen / Asian) in colours such as white, ivory, grey, fume red, brown laid on 20mm thick cement mortar 1:4(1 cement : 4 Coarse sand) including pointing the joints with white cement and matching pigment etc., complete	303.00		Sqm	
15	Code No: 11.51				

	Providing and laying 22mm thick factory made pre polished cement concrete flooring tiles of required colour and design over 20 mm thick cement mortar 1:4 (1 cement : 4 sand) and jointed with cement slurry mixed with an admixture of pigment to match the shade of the tile - (Endura \ Ultra \ Dazzle \ Technic)	10.00		Sqm	
16	Code No: 12.20				
	Providing and laying pressed clay tiles (as per approved pattern 20mm nominal thickness and of approved size) on roofs jointed with cement mortar 1:4 (1 cement : 4 coarse sand) mixed with 2% intergral water proofing compound laid over a bed of 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand) and finished neat complete.	166.00		Sqm	
17	Code No: 11.13.1				
	Providing and fixing glass strips in joints of terrazo/ cement concrete floors. 40mm wide and 4mm thick.	600.00		Mt	
18	Code No: 11.22.1.1				
	Tile work in skirting, risers of steps and dado (upto 2m height) over 12mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointed with grey cement slurry @ 3.3kg/sqm including pointing in white cement mixed with pigment of matching shade complete. Marble tiles (Polished) Raj Nagar. 8mm thick.	15.00		Sqm	
19	MR				
	Providing asbestos cement 6mm thick corrugated sheet (as per IS : 14871) roofing upto any pitch and fixing with pollymer coated J or L hooks, bolts and nuts 8mm dia. G.I. plain and bitumen washers or with self drilling fastener and EPDM washers etc., complete excluding the cost of purlins, rafters and trusses corrugated sheets and including cutting to size and shape wherever required.	114.00		Sqm	
20	MR				
	Providing and fixing ridges and hips in asbestos fibre cement high impact polypropylene reinforced roofing with suitable fixing accessories or self drilling fastener and EPDM washer etc., complete. Corrugated serrated adjustable ridges.	13.00		Rmt	
21	Code No: 13.37.1				
	White washing with lime to give on even shade - New work (three or more coats).	114.00		Sqm	
22	Code No: 13.2.2				
	15mm cement plaster on the rough side of single or half brick wall of mix: cement mortar 1:6 (1 cement : 6 fine sand)	200.00		Sqm	

23	Code No: 13.3.2				
	20mm cement plaster of mix cement mortar 1:6 (1 cement : 6 fine sand)	218.00		Sqm	
24	Code No: 13.1.1				
	12mm cement plaster of mix :Cement mortar 1:4 (1 cement : 4 fine sand)	7.00		Sqm	
25	Code No: 17.7.1				
	Providing and fixing wash basin with CI brackets, 15mm CP brass pillar taps 32 mm CP brass waste of standard pattern including painting of fittings and brackets, cutting and making good the walls wherever required White vitreous china wash basin size 630x450mm with a pair of 15mm CP brass pillar taps.	2.00		Sqm	
26	Code No: 17.31				
	Providing and fixing 600x450mm bevelled edge mirror of superior glass (of approved quality) complete with 6mm thick hard board ground fixed to wooden cleats with C.P brass screws and washers complete.	3.00		Each	
27	Code No: 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 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 finished of a tapper and square edges of	63.00		Sqm	

	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,				
28	Code No: 17.2.1				
	Providing and fixing white vitreous china pan pedestal type water closet (European type W.C. pan) with seat and lid, 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. W.C pan with ISI marked white solid plastic seat and lid.	1.00		Each	
29	Code No: 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	63.00		Sqm	
30	Code No: 14.42.1				
	White washing with lime to give an even shade - Old work (two or more coats).	259.00		Sqm	
31	Code No: 14.42.2				
	White washing with lime to give an even shade - Old work (one or more coats).	183.00		Sqm	
32	Code No: 14.45.1				
	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade - Old work (one or more coats).	2307.00		Sqm	
33	Code No: 14.65.2				
	Finishing walls with textured exterior paint of required shade - Old work (One or more coats) applied @ 1.82 lts/10 sqm.)	718.00		Sqm	
34	Code No: 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.	256.00		Sqm	
35	Code No: 13.61.1				

	Painting with synthetic enamel paint approved brand and manufacture to give an even shade - Two or more coats on new work.	47.00		Sqm	
36	Code No: 9.118.1				
	Providing and fixing to existing door frames - 24mm thick factory made PVC door shutters made of styles and rails of a UPVC hollow section of size 59x24mm and wall thickness 2mm +or- 0.2mm with inbuilt edging on both sides. The styles and rails mitred and jointed at the corners by means of M.S.galvanised / plastic brackets of size 75x220 mm having wall thickness 1.0mm and stainless steel screws. The styles of the shutter reinforced by inserting galvanised M.S.tube of size 20x20mm and 1mm +or- 0.1mm wall thickness .The lock rail made up of 'H' section , a UPVC hollow section of size 100x24 mm and 2mm + or - 0.2mm wall thickness fixed to the shutter styles by means of plastic / galvanised M.S.'U' cleats. The shutter frame filled with a UPVC multi - chambered single panel of size not less than 620 mm, having over all thickness of 20mm and 1mm + or -0.1mm wall thickness. The panels filled vertically and tie bar at two places by inserting horizontally 6mm galvanised M.S.rod and fastened with nuts and washers,complete as per manufacturer's specification .(For W.C. and bathroom door shutter)	2.00		Sqm	
37	Code No: 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.	70.00		Mt	
38	Code No: 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. complete. 110mm	60.00		Each	
39	Code No: 18.10.2				
	Providing and fixing GI pipes complete with GI fittings and clamps including cutting and making good the walls etc.Internal work - exposed on wall 20	30.00		Mt	

	mm dia nominal bore.				
40	Code No: 18.46.2				
	Providing and fixing G.I. union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete	2.00		Each	
41	Code No: 18.54.1				
	Providing and fixing PTMT bib cock of approved quality and colour 15 mm nominal bore, 86mm long weighing not less than 88 gms.	3.00		Each	
42	Code No: 12.64				
	Providing, supplying fixing & cladding of aluminium rollcoated composite panel 3mm tk material having more than 70% of PVdf with all coatings not exceeding AAMA at 605.2 - requirements , with anti-toxic low density polythene having aluminium coated with chrome or polyester, polyvinylidien fluoride of HY lar 5000 in ausimont USA & kynar 500 in Elf-Atosem will be fixed on the anodized aluminium extruded section structural frame for a wall panelling work with required projection by using MS - cleats / angles / aluminium 'L' angles and grooves, in ACP folding as per site requirement wherever necessary. The plain ACP folding will be reinforced by using type system. Aluminium structural frame made of standard anodized aluminium sections of size 38mm x 28mm approximate @ 0.490kg / mt fixed on the wall surface using 38mm x 38mm x 100mm G.I angle riveted on the aluminium structural frame work by using PAN/CSK/Rhd screws with aluminium 'L' angle and also filling the excess opening by using 6mm by using aluminium / Transluent / grey / black / clear or white silican sealant gel of NC / EL / GP will be used for filling the gaps between aluminium composite panel slabs & the section . The rate is inclusive of all material, labour , erection , scaffolding charges and standard accessories at heights upto 5.5mts	13.00		Sqm	
	Total				

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

Contractor

Superintending Engineer