

PONDICHERRY UNIVERSITY
ENGINEERING WING

SCHEDULE OF WORK

Name of the work: Construction of Feeding room at Day care centre

S. No.	Description	Qty.	Rate Rs.P.	Unit	Amount Rs.P.
1	Demolishing cement concrete manually / by mechanical means including disposal of material within 50 metres lead - 1:3:6 or richer mix.	1.00		Cum	
2	Earth work in excavation by mechanical means (Hydraulic excavator)/manual means in foundation trenches or drains (not exceeding 1.5m in width or 10 sqm on plan) including dressing of sides and ramming of bottoms , lift upto 1.5m, including getting out the excavated soil and disposal of surplus excavated soil as directed , within a lead of 50m -All kinds of	9.00		Cum	
3	Supplying and filling in plinth with sand under floors including, watering, ramming consolidating and dressing complete.	2.00		Cum	
4	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead upto 50m and lift upto 1.5m.	3.50		Cum	
5	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering.- All work upto plinth level -1:4:8 (1 cement:4coarse sand : 8 graded stone aggregate 40mm nominal size)	2.50		Cum	
6	Supplying and filling with red earth (excluding rock) including cost and conveyance to the work site and stacking to the departmental gauge, spreading in layers not exceeding 20cm in depth, watering and consolidation using 0.5	2.00		Cum	

	tonne roller, or wooden or steel rammers etc.complete for making play fields, running tracks and court yards.				
7	Providing and laying damp - proof course 50mm thick with cement concrete 1:2:4 (1 cement : 2 coarse sand :4 graded stone aggregate 20mm nominal size).	4.50		Sqm	
8	Applying a coat of residual petroleum bitumen of penetration 80/100 of approved quality using 1.7kg per square metre on damp proof course after cleaning the surface with brushes and finally with a piece of cloth lightly soaked in kerosene oil.	4.50		Sqm	
9	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 1:1.5:3 (1 cement :1.5 coarse sand : 3 graded stone aggregate 20mm nominal size).	3.00		Cum	
10	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	11.00		Sqm	
11	Centring and shuttering including strutting, propping etc. and removal of form for : suspended floors, roofs, landings , balconies and access platform - Using steel sheet with M.S.frames	10.00		Sqm	
12	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	350.00		Kg	
13	Brick work with FPS bricks of class cum designation 35 in foundation and plinth in cement mortar 1:6 (1 cement : 6	5.00		Cum	

	coarse sand)				
14	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)	10.00		Cum	
15	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)	1.00		Sqm	
16	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position - Padak wood	0.11		Cum	
17	Providing and fixing panelled or panelled and glazed shutters for doors , windows and clerestory windows including ISI marked black enamelled M.S butt hinges with necessary screws excluding panelling which will be paid for separately. - Padak wood - 35mm thick shutters.	1.75		Sqm	
18	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 teak wood -30mm thick	2.50		Sqm	
19	Supplying and fixing of steel grill work of m.sangles, flats, squares and pipes including cost of welding charges, fixing in position in masonry walls with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 12.5mm nominal size) including one coat of priming coat etc. complete.	75.00		Kg	
20	Providing 40x5 mm flat iron hold fast 40cm long including fixing to frame with 10mm diameter bolts, nuts and wooden plugs and embedding in cement concrete block 30x10x15cm 1:3:6 mix (1 cement : 3 coarse sand : 6 graded stone aggregate 20mm nominal size)	14.00		Each	
21	Providing and fixing aluminium sliding door bolts ISI marked anodised (anodic	1.00		Each	

	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:- 300x16mm				
22	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 : - 300x10mm	2.00		Each	
23	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 : - 150x10mm	8.00		Each	
24	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	2.00		Each	
25	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 :-100mm	8.00		Each	
26	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	1.00		Each	
27	Providing and fixing aluminium casement stays 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	4.00		Each	
28	Providing and laying fully vitrified floor tiles of size 60x60cm (thicknes to be specified by the manufacturer) with water absorption's less than 0.08% and conforming to IS: 15622 of approved	11.00		Sqm	

	make (Nitco / Rak / Johnson / Asian) in all colors and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand) including grouting the joints with white cement and matching pigments etc., complete. Size of Tile 600x600mm.				
29	Lime concrete terracing on roofs of required thickness laid to fall with 25mm nominal size brick aggregate and 50% lime mortar 1:2 (1 lime putty : 2 surkhi) rammed and finished with gur and belgiri treatment complete including rounding of junctions with parapet wall complete	1.50		Cum	
30	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.	12.00		Sqm	
31	6mm cement plaster of mix 1:3 (1 cement : 3 fine sand).	13.00		Sqm	
32	15 mm cement plaster on rough side of single or half brick wall of mix - cement mortar 1:4 (1 cement : 4 fine sand)	40.00		Sqm	
33	20mm cement plaster of mix 1:4 (1cement : 4 fine sand)	70.00		Sqm	
34	White washing with lime to give on even shade - New work (three or more coats).	13.00		Sqm	
35	Wall painting with plastic emulsion paint - Royal of approved brand and manufacture to give an even shade - two or more coats on new work	115.00		Sqm	
36	Applying priming coat - with ready mixed pink or grey primer of approved brand and manufacture on wood work (hard and soft wood).	9.50		Sqm	
37	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade - Two or more coats on new work.	12.00		Sqm	
38	Providing and fixing on wall face	5.00		Rmt	

	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.				
39	Providing and fixing upto floor five level precast cement concrete string or lacing courses, copings, bed plates, anchor blocks, plain windows sills, shelves, louvers, steps, stair cases etc., including hoisting and setting in position with cement mortar 1:3 (1 cement : 3 coarse sand) cost of required centring, shuttering and finishing smooth with 6mm thick cement plaster 1:3 (1 cement : 3 fine sand) - 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size).	0.20		Cum	
40	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.	1.00		Each	
41	Providing gola 75X75mm in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 stone aggregate 10mm down gauge) including finishing with cement mortar 1:3 (1 cement : 3 fine sand) as per standard design: In 75X75mm deep chase.	5.00		Rmt	
42	Making khurras 45X45cm with average minimum thickness of 5cm cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate of 20mm nominal size) over P.V.C. sheet 1mX1mX400micron, finished with 12mm cement plaster 1:3 (1 cement : 3 coarse sand) and a coat of neat cement rounding the edge and making and finishing outlet complete.	1.00		Each	
43	Providing and fixing M.S. fan clamp type I Each or II of 16mm dia M.S. bar	1.00		Each	

	bent to shape with hooked ends in R.C.C. slabs, beams during laying including painting the exposed portion of loop, all as per standard design complete.				
44	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. Single Tee with door 110X110X110mm.	1.00		Each	
45	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	4.00		Each	
46	Painting top of roofs with bitumen of approved quality at 17kg per 10sqm impregnated with a coat of coarse sand at 60 cudm per 10 sqm including cleaning the slab surface with brushes and finally with a piece of cloth lightly soaked in kerosene oil complete: With residual type petroleum bitumen of penetration 80/100.	9.50		Sqm	
47	Supplying and fixing of fly proof stainless steel mesh (304 grades heavy) on the existing wooden window using wooden reapers which will be paid for separately. The rate includes cost of stainless steel mesh, fixing the mesh, transport etc., complete as per the direction of Engineer-in-charge.	3.00		Sqm	
48	Supplying and fixing of country wood reapers of Padak wood of size 50mmx25mm to the alround existing wooden window frame over the stainless steel mesh with necessary screws complete. The rate includes cost of reapers, screws, nails and labours charges etc., complete as per the	10.00		Rmt	

	direction of Engineer-in-charge.				
49	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 etc.complete	1.00		Each	
				Total	

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

Contractor

Officer in-charge