

**NAME OF WORK : SPECIAL REPAIRS TO RENOVATION(CIVIL AND ELECTRICAL) OF EXISTING  
"B" TYPE STAFF QUARTERS IN ESIC DISPENSARY AT AVADI, CHENNAI**

<b>FINANCIAL BID</b>						
<b>Sl.No</b>	<b>DSR No</b>	<b>Description of item</b>	<b>unit</b>	<b>Quantity</b>	<b>Rate</b>	<b>Amount</b>
1	2.10.1.2	Excavating trenches of required width for pipes, cables, etc including excavation for sockets, and dressing of sides, ramming of bottoms, depth upto 1.5 m, including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20 cm in depth, including consolidating each deposited layer by ramming, watering,etc. and disposing of surplus excavated soil as directed, within a lead of 50 m : Pipes, cables etc. exceeding 80 mm dia. but not exceeding 300 mm dia	meter	55.00		
2	2.27	Supplying and filling in plinth with sand under floors including, watering, ramming, consolidating and dressing complete	Cum	3.00		
3	2.31	Clearing jungle including uprooting of rank vegetation, grass, brush wood, trees and saplings of girth up to 30 cm measured at a height of 1 m above ground level and removal of rubbish up to a distance of 50 m outside the periphery of the area cleared.	Sqm	1800.00		
4	2.35.5	Diluting and injecting chemical emulsion for POST-CONSTRUCTIONAL anti-termite treatment (excluding the cost of chemical emulsion) : Treatment at points of contact of wood work by chemical emulsion Chlorpyriphos/ Lindane (in oil or kerosene based solution) @ 0.5 litres per hole by drilling 6 mm dia holes at downward angle of 45 degree at 150 mm centre to centre and sealing the same.	mtr	400.00		
5	4.17	Making plinth protection 50mm thick of cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) over 75mm thick bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and grouted with fine sand, including necessary excavation, levelling & dressing & finishing the top smooth.	Sqm	30.00		
6	5.1.3	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level : 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size).	Cum	2.00		

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7	5.9.3	Centering and shuttering including strutting, propping etc. and removal of form for all heights : Suspended floors, roofs, landings, balconies and access platform	Sqm	15.00		
8	5.12	Providing, hoisting and fixing above plinth level up to floor five level precast reinforced cement concrete work in string courses, bands, copings, bed plates, anchor blocks, plain window sills and the like, including the cost of required centering, shuttering but, excluding cost of reinforcement, with 1:1.5:3 (1 cement : 1.5 coarse sand (zone-III) :3 graded stone aggregate 20 mm nominal size).	Cum	1.50		
9	5.22.6	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.Thermo-Mechanically Treated bars of grade Fe-500D or more.	Kgs	120.00		
10	6.4.2	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in : Cement mortar 1:6 (1 cement : 6 coarse sand)	Cum	4.50		
11	6.13.1	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floorV level.Cement mortar 1:3 (1 cement :3 coarse sand)	Sqm	12.00		
12	8.2.2.2	Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc.Granite of any colour and shade Area of slab over 0.50 sqm	Sqm	50.00		
13	9.1.1	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length ( hold fast lugs or dash fastener shall be paid for separately) Second class teak wood.	Cum	1.50		

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14	9.20.2	Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) 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 30 mm thick including ISI marked Stainless Steel butt hinges with necessary screws shutters.	Sqm	70.00		
15	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. including priming coat with approved steel primer all complete. Fixed to openings /wooden frames with rawl plugs screws etc.	Kgs	900.00		
16	9.53	Providing 40x5 mm flat iron hold fast 40 cm long including fixing to frame with 10 mm 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).	Each	230.00		
17	9.95.1	Providing and fixing ISI marked aluminium butt hinges 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: 125x75x4 mm	Nos	111.00		
18	9.96.2	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 : 250x16 mm	Each	37.00		
19	9.97.2	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 : 250x10 mm	Each	37.00		
20	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 : - 100x10mm	Each	37.00		
21	9.100.1	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	Each	74.00		

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22	9.101.2	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	Each	37.00		
23	9.113.	Providing and fixing bright finished 100 mm mortice lock with 6 levers without pair of handles of approved quality for aluminium door, with necessary screws etc complete as per direction of Engineer- in-charge.	Each	37.00		
24	11.31	Extra for pre finished nosing in treads of steps of Kota stone/ sand stone slab.	Rm	80.00		
25	11.36	Providing and fixing Ist quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.	Sqm	110.00		
26	11.40	Providing and laying rectified Glazed Ceramic floor tiles of size 300x300 mm or more (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in all colours, shades, except White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick Cement. Mortar 1:4 (1 Cement : 4 Coarse sand), jointing with grey cement slurry @ 3.3kg/sqm including pointing the joints with white cement and matching pigments etc., complete	Sqm	20.00		
27	11.41.2	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3kg/sqm including grouting the joints with white cement and matching pigments etc., complete. Size of Tile 600x600 mm	Sqm	190.00		

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28	12.20	Providing and laying pressed clay tiles (as per approved pattern 20 mm nominal thickness of approved size) on roofs jointed with cement mortar 1:4 (1 cement : 4 coarse sand) mixed with 2% integral water proofing compound, laid over a bed of 20 mm thick cement mortar 1:4 (1 cement : 4 coarse sand) and finished neat complete.	Sqm	105.00		
29	12.41.1	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 10 mm gap for thermal expansion, (i) Single socketed pipes. - 75 mm diameter	Rm	80.00		
30	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 10 mm gap for thermal expansion, (i) Single socketed pipes - 110 mm diameter	Rm	110.00		
31	12.42.1.2	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 10 mm gap for thermal expansion. <b>Coupler 110 mm</b>	Each	20.00		
32	12.42.3.2	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 10 mm gap for thermal expansion, (i) Single socketed pipes - single tee with door - 110x110x110 mm	Each	20.00		
33	12.42.5.2	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 10 mm gap for thermal expansion, (i) Single socketed pipes. - Bend 87.5° - 110 mm bend	Each	20.00		
34	12.42.6.2	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 10 mm gap for thermal expansion, (i) Single socketed pipes -.Shoe (Plain) - 110 mm shoe	Each	20.00		

Sl.No	DSR No	Description of item	unit	Quantity	Rate	Amount
35	12.43.1	Providing and fixing unplasticised -PVC pipe clips of approved design to unplasticised - PVC rain water pipes by means of 50x50x50 mm 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. 75 mm	Eah	80.00		
36	12.43.2	Providing and fixing unplasticised -PVC pipe clips of approved design to unplasticised - PVC rain water pipes by means of 50x50x50 mm 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	each	80.00		
37	13.2.1	15 mm cement plaster on the rough side of single or half brick wall of mix : 1:4 (1 cement: 4 fine sand)	Sqm	40.00		
38	13.7.1	12 mm cement plaster finished with a floating coat of neat cement of mix :1:3 (1 cement: 3 fine sand)	Sqm	40.00		
39	13.26	Providing and applying plaster of paris putty of 2 mm thickness over plastered surface to prepare the surface even and smooth complete	Sqm	1150.00		
40	14.66.1	Finishing walls with Acrylic smooth exterior paint of required shade:- Old work (Two or more coats applied @ 1.67 ltr/ 10 sqm) on existing cement paint surface	Sqm	550.00		
41	13.60.1	Wall painting with acrylic emulsion paint of approved brand and manufacture to give an even shade : Two or more coats on new work	Sqm	1200.00		
42	13.62.1	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade : Two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture	Sqm	200.00		
43	14.1.1	Repairs to plaster of thickness 12 mm to 20 mm in patches of area 2.5 sq. meters 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, all complete as per directions of Engineer-In-Charge. With cement mortar 1:4 (1 cement : 4 fine sand)	Sqm	210.00		
44	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.	Sqm	1700.00		

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45	14.72	Providing and fixing double scaffolding system (cup lock type) on the exterior side, up to seven story height made with 40 mm dia M.S. tube 1.5 m centre to centre, horizontal & vertical tubes joining with cup & lock system with M.S. tubes, M.S. tube chalties, 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 workmen etc. complete as per directions and approval of Engineerin- charge .The elevational area of the scaffolding shall be measured for payment purpose .The payment will be made once irrespective of duration of scaffolding.	Sqm	500.00		
46	15.1	Demolishing lime concrete manually/ by mechanical means and disposal of material within 50 metres lead as per direction of Engineerin- charge.	Cum	12.00		
47	15.7.4	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge. In cement mortar	Cum	2.00		
48	15.12.1	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 sq. metres and below	Each	87.00		
49	15.23.2	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead.For thickness of tiles above 25 mm and up to 40 mm	Sqm	105.00		
50	15.52	Dismantling of flushing cistern of all types (C.I./PVC/Vitrious China) including stacking of useful materials near the site and disposal of unserviceable materials within 50 metres lead.	Each	5.00		
51	15.56	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead.	Sqm	170.00		

Sl.No	DSR No	Description of item	unit	Quantity	Rate	Amount
52	15.6	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved.	Cum	40.00		
53	17.1.1	Providing and fixing water closet squatting pan (Indian type W.C.pan ) with 100 mm sand cast Iron P or S trap, 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:White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests	Each	5.00		
54	17.7.1	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. 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 630x450 mm with a pair of 15 mm C.P. brass pillar taps	Each	5.00		
55	17.10.1.1	Providing and fixing Stainless Steel A ISi 304 (18/8) kitchen sink as per IS: 13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required :Kitchen sink with drain board510x1040 mm bowl depth 250 mm	Each	5.00		
56	17.28.2.1	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.Flexible pipe 32 mm dia	Each	5.00		
57	17.28.2.2	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.Flexible pipe. 40 mm dia	Each	5.00		
58	17.31	Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.	Each	10.00		



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59	18.7.3	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. 25 mm nominal outer dia Pipes	metre	50.00		
60	18.7.4	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge - 32 mm nominal outer dia Pipes	metre	50.00		
61	18.7.5	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge - 40 mm nominal outer dia Pipes	metre	25.00		
62	18.8.2	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work, including cutting chases and making good the walls etc. 20 mm nominal outer dia Pipes	metre	90.00		
63	18.17.3	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) : 40 mm nominal bore	each	2.00		
64	18.18.2	Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete : 20 mm nominal bore	Each	5.00		
65	18.18.3	..do.. 25 mm nominal bore	Each	5.00		

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66	18.48B	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank. Rectangular tank	per liter	5000.00		
67	18.58.2.1	Providing and fixing PTMT grating of approved quality and colour. Rectangular type with openable circular lid 150 mm nominal size square 100 mm diameter of the inner hinged round grating	each	20.00		
68	19.4.1.1	Providing and fixing square-mouth S.W. gully trap class SP-1 complete with C.I. grating brick masonry chamber with water tight C.I. cover with frame of 300 x300 mm size (inside) the weight of cover to be not less than 4.50 kg and frame to be not less than 2.70kg as per standard design: 100x100 mm size P type With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	Each	5.00		
69	19.7.1.1	Constructing brick masonry manhole in cement mortar 1:4 ( 1 cement : 4 coarse sand ) with R.C.C. top slab with 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix (1 cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement complete as per standard design :Inside size 90x80 cm and 45 cm deep including C.I. cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover and frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg) :With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	Each	5.00		
70	19.8.1.1	Extra for depth for manholes - Size 90 X 80 cm- With common burnt clay F.P.S. ( Non Modular ) bricks of class designation 7.5	metre	4.00		

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71	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 and the directions of Engineer-in-charge. (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)	Kgs	350.00		
72	21.3.2	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc with PVC/ neoprene gasket etc complete as per the architectural drawing and the directions of engineer in charge ( Cost of aluminium snap beading shall be paid in basic item) - with Float glass panes of thickness 5.5mm	Sqm	60.00		
73	21.8.1	Filling the gap in between aluminium frame & adjacent RCC/ Brick/Stone work by providing weather silicon sealant over backer bod of approved quality as per architectural drawing and direction of Engineer in charge complete. - Upto 5mm depth and 5mm width	Rm	260.00		
74	22.5	Providing and laying water proofing treatment in sunken portion of WCs, bathroom etc., by applying cement slurry mixed with water proofing cement compound consisting of applying : (a) First layer of slurry of cement @ 0.488 kg/sqm mixed with water proofing cement compound @ 0.253 kg/ sqm. This layer will be allowed to air cure for 4 hours. (b) Second layer of slurry of cement @ 0.242 kg/sqm mixed with water proofing cement compound @ 0.126 kg/sqm. This layer will be allowed to air cure for 4 hours followed with water curing for 48 hours. The rate includes preparation of surface, treatment and sealing of all joints, corners, junctions of pipes and masonry with polymer mixed slurry.	Sqm	8.00		

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75	7257	C.P. Brass bibcock 15 mm	Each	15.00		
76	7259	C.P. Brass long body bibcock 15 mm	Each	10.00		
77	7260	C.P. Brass stop cock (concealed) 15 mm	Each	5.00		
78	7261	C.P. Brass angle valve 15 mm	Each	15.00		
79	1366	C.I. grating 150x150 mm	Nos	10.00		
80	1688	Unplasticised P.V.C. connection pipe with brass union 30 cm long 20 mm bore	Nos	10.00		
81	SSR 143/P49	Supply and Fixing of C.I Nahani / Floor trap with Stainless Steel grating 100 x 75 mm	each	15.00		
82	120 (v)	Suppying and fixing of gun metal check valve - 25mm	Nos	5.00		
83	120 (iii)	Suppying and fixing of gun metal check valve - 40mm	Nos	2.00		
84	MR	Supply of following material including taking delivery of material from the shop and conveying to the site. ( fittings of Jaguar Standard continental type )- Shower rose with shower arm	Each	5.00		
85	MR	Providing and fixing CP-Towel Ring 215x200x37 mm	Each	5.00		
86	MR	Providing and fixing CP-Towel Rail (600 mm long)	Each	5.00		
87	MR	Providing and fixing CP-Soap Dish/Holder 138x102x75 mm	Each	5.00		
88	MR	Providing and fixing mosquito proof mesh of Gaintgobian make with outer frame madeup of tubular powder coated aluminium with necessary removable hinges, locking arrangements etc	Sqm	30.00		
89	MR	Providing and laying Brick jelly lime concrete in ratio of 1:2 ( 1 part slaked lime powder and 2 parts 25 mm and down grade brick jelly) to the required slope upto floor five level.	cum	14.00		
90	MR	<b>MICRO CONCRETING - SURFACE PREPARATION</b> - Chip off the corrosion damaged areas on the beam/column/sunshade or any other structural members. Clean reinforcement and make that there is no traces of rust on the surface existing rebars. Check for the depth of carbonation using the phenopthaline indicator and make sure that the contaminated concrete is removed completly. Make sure that the chipping is ddoen till the rear side of the rebar so that the corrosion patches and also the application of the anti corrosive coating can be done properly.	Sqm	60.00		

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91	MR	<b>MICRO CONCRETING- SHEAR CONNECTORS :</b> Drilling 12mm dia holes up to a depth of 75mm maximum and fixing 8mm dia L shaped anchor rods as shear connectors at every 300mm c/c on the surfaces of the columns/beams or any other structural member as the case may be. Clean the same using water and make sure that there are no fine particles present in the hole. Mix the base and hardener of the polyester resin with the spatula thoroughly. Fill the drilled and cleaned holes to a minimum depth of 1/3rd of the hole with the prepared polyester resin. Make sure that the resin has reached till the end of the hole. At this stage push the shear connector gently in to the hole and finish the excess resin which comes out of the hole and allow the shear connectors not to be disturbed for minimum 20 minutes - complete.	Each	180.00		
92	MR	<b>MICRO CONCRETING - ADDITIONAL REINFORCEMENT :</b> Check the diameter of the existing rebars and if the diameter is less than 50% of the original diameter, provide additional reinforcement. Cut 12mm dia bars as main reinforcement to the required length with proper development length. Tie them to the prefixed shear connectors so that the additional rebar acts monolithically with the existing ones and core concrete. In the case of the shear reinforcement also, if the diameter of the rebars are reduced, provide 8mm dia stirrups in the form of 2 "U" shaped bars. Tie them properly so that it has a tight contact with the main bars.	Kgs	180.00		
93	MR	<b>MICRO CONCRETING- ANTICORROSIVE COATING :-</b> Clean the rebars using the rust remover if there exists any rust, otherwise clean the rebar free of foreign material. Mix the base and hardener of the zinc rich epoxy resin mechanically using a slow speed heavy duty drilling machine fitted with mixing paddle. Apply the mixed materials to the cleaned rebar and allow it to dry complete.	Sqm	60.00		

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94	MR	MICRO CONCRETING- APPLICATION OF EPOXY JOINTING COMPOUND: Mix the base and hardener of the epoxy jointing compound using a slow speed heavy duty drilling machine fitted with mixing paddle and apply the same to the prepared lintel beam/beam surface. Make sure that the concreting is done within 3 hours and the application should be done in such a way that the allowance for concreting be kept in mind.	Sqm	60.00		
95	MR	MICRO CONCRETING- FORM WORK : Supply of slurry tight form work which should not deform and leak due to pressure of micro concrete. Provision should be made for a suitable feed hopper for pouring concrete. The form work should be coated with the mould release agent prior to final fixing in position. Proper supporting arrangements to be made for keeping the shutter in correct line and length - complete.	Sqm	60.00		
96	MR	MICRO CONCRETING :-Stock sufficient quantity of micro concrete ( RENDROC RG of fasroc or equal make ) and 12mm down graded chips on site to enable the completion of the pouring in a continuous operation. An approved concrete mixer or a slow speed heavy duty drilling machine fitted with mixing paddle shall be used. Mix the micro concrete and the 12mm down grade chips in the ratio of 1: 0.5 by weight with required quantity of water and place the same to the prefixed formwork well before the epoxy jointing compound dries up. Remove the formwork after 24 hours in the case of columns and after a period of 72 hours in the case of slab and beam and check for any surface defects and if so apply te polymer modified mortar - complete.-	Sqm	60.00		

Sl.No	DSR No	Description of item	unit	Quantity	Rate	Amount
97	MR	Roof Slab Water Roof Treatment: Providing waterproofing treatment for roof slab with polymeric membrane coating like (Brushbond RFX or equivalent) surface shall be cleaned and free from dirt or any other form of foreign matter . Acid wash and water wash the surface and allow the surface to dry . Mix the part A and part B of the polymer modified cementitious coating mechanically using an electrical operated mix paddle. Apply the same in two coats ove the prepared surface one after the other dries up with a minimum interval of 4 hours between the coats. Providing pressure grouting in all the vertical and horizontal joint including the suspected areas.	Sqm	105.00		
98	MR	PROTECTIVE PLASTER for Polymeric membrane coat :Providing cement sand mortar 1:4 and apply the same to an average thickness of 12 mm cement finished with a floating coat of neat cement of mix with water proofing compound of Conplast X421 IC or equivalent approved quality in proportion recommended by the manufacturer.	Sqm	105.00		
99	MR	INJECTING LOW VISCOUS EPOXY RESIN in Toilet sunken portion , mark 300mm c/c. Drill 13mm dia holes along the marked points and provide a non return ports Mix the base and hardener of the low viscous epoxy resin like Conbextra EP 10 or equivalent and inject the same using an <b>electrically operated</b> grouting machine until refuses the grout. Cut the port and finish the nipple same to the required level. including cost of grouting nozzles.	Sqm	8.00		
100	1.8.3	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with piano type switch, phenolic laminated sheet, suitable size M.S. box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required.Group C	Point	180.00		
101	1.14.2	Wiring for circuit /sub main wiring alongwithearth wire with following sizes of PVC insulated copper conductor,single core cable in surface/recessed PVC conduit as required- 2x2.5 sqmm + 1x2.5 sqmm earth wire	Mtr	400.00		

Sl.No	DSR No	Description of item	unit	Quantity	Rate	Amount
102	1.14.8	Wiring for circuit /sub main wiring alongwith earth wire with following sizes of PVC insulated copper conductor,single core cable in surface/recessed PVC conduit as required- 4x2.5 sqmm + 2 x 2.5 sq. mm earth wire	Mtr	300.00		
103	1.14.9	Wiring for circuit /sub main wiring alongwith earth wire with following sizes of PVC insulated copper conductor,single core cable in surface/recessed PVC conduit as required- 4x4 sqmm + 2 x 4 sq. mm earth wire	Mtr	70.00		
104	1.24.1	Supplying and fixing following modular switch/socket on the existing modular plate & switch box including connection but excluding modular plate etc. as required- 5/6 amps switch	Nos	150.00		
105	1.24.3	Supplying and fixing following modular switch/socket on the existing modular plate & switch box including connection but excluding modular plate etc. as required- 15/16 amps switch	Nos	35.00		
106	1.24.4	Supplying and fixing following modular switch/socket on the existing modular plate & switch box including connection but excluding modular plate etc. as required- 3 pin 5/6 amp socket outlet	Nos	40.00		
107	1.24.5	Supplying and fixing following modular switch/socket on the existing modular plate & switch box including connection but excluding modular plate etc. as required- 6 Pin 15/16 amps socket outlet	Nos	35.00		
108	1.25	Supplying and fixing stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required	Nos	15.00		
109	1.26	Supplying and fixing modular blanking plate on the existing modular plate & switch box excluding modular plate as required	Nos	65.00		
110	1.27.1	Supplying and fixing modular size/modules, GI box alongwith modular base cover plate for modular switches in recess etc. as required- 1 or 2 module (75mmx75mm)	Nos	40.00		
111	1.27.3	Supplying and fixing modular size/modules, GI box alongwith modular base cover plate for modular switches in recess etc. as required- 4 module (125mmx75mm)	Nos	10.00		
112	1.27.4	Supplying and fixing modular size/modules, GI box alongwith modular base cover plate for modular switches in recess etc. as required- 6 module (200mmx75mm)	Nos	5.00		



Sl.No	DSR No	Description of item	unit	Quantity	Rate	Amount
113	1.27.5	Supplying and fixing modular size/modules, GI box alongwith modular base cover plate for modular switches in recess etc. as required- 8 module (125mmx125mm)	Nos	10.00		
114	1.38	Supplying and fixing of call bell/buzzer suitable for D.C/A.C, single phase 230V complete as required	Nos	5.00		
115	5.6	Earthing with copper earth plate 600 mm X 600 mm X 3 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 meter long etc. with charcoal/ coke and salt as required	Set	2.00		
116	5.7	Supplying and laying 8 SWG copper wire at 0.50 mtr below ground level / on wall conductor earth electrode including connection/ termination as required	Mtr	10.00		
117	9.1.22	Supplying and making end termination with brass compression gland and alumunium lugs for following sizes of PVC insulated and PVC sheathed /XLPE alumunium conductor cable of 1.1 KV grade as required- 3.5 x 50 sqmm	Each	2.00		
118	9.4.8	Supplying and making straight through joint with heat shrinkablekit including ferrules and other jointing materials for followingsize of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 kV grade as required.3 X 50 sq. mm	Each	2.00		
119	6b	Box type single fluorescent fitting with copper choke and condenser complete with ISI mark - 4ft 40watts box type with ballast( philip/ wipro/ crampton )	Each	31.00		
120	Part B -1 c	Fans confirming to ISS 374/1979- Stepped electronic 300W/450W square type fan regulator Anchor/Deluxe	Each	15.00		

Sl.No	DSR No	Description of item	unit	Quantity	Rate	Amount
121	1 e	Fans conforming to ISS 374/1979- AC ceiling fan complete 1200mm ( 48") sweep with 300mm Down rod (without regulator)	Each	15.00		
122	5c	Fuse unit ( Anchor or Equ)- -63 amps porcelain fuse unit ( 500V )	Each	18.00		
123	Part E 1(g)	Service connection accessories L.T. 1100V PVC aluminium around U G cable with ISI mark.- 3.5 core 50 sqmm PVC armoured UG cable	Meter	50.00		
124	4h	Cable Glands suitable for 3.5 core 50 Sqmm UG cable	Each	8.00		
125	5b	FUSE WIRE ( Copper )- 10 Amps fuse wire	Kgs	0.40		
126	6a	NEUTRAL LINK 15 Amps- 4 way neutral link	Each	2.00		
127	Part I 1(b)	P.V.C.( rigid ) pipes ( 1.8 mm thick ) with ISI- P.V.C. rigid pipes 20mm	Meter	100.00		
128	2b	P.V.C. rigid bends 20mm	Each	25.00		
129	6b	P.V.C Junction boxes - junction boxes 1,2,3 and 4way 19mm	dozen	10.00		
130	8a	Insulation tape P.V.C - Insulation tape 19mm	Roll	50.00		
131	PART - L 4(c)	Sodium vapour fitting and lamp ( for external electrification and campus lighting ). watts S.V. fitting- 150 Watts	Each	12.00		
132	PART - L 4(d)	Sodium vapour fitting and lamp ( for external electrification and campus lighting ). 150 watts S.V. lamp	Each	12.00		
133	6a	Miniature circuit breakers 240V/ 415 V 50Hz AC supply suitable for both lighting and motor circuits - Single pole 6 to 32 amps 10 KA Legrand	Each	65.00		
134	6f	Miniature circuit breakers 240V/ 415 V 50Hz AC supply suitable for both lighting and motor circuits- Double pole 40 amps 10 KA Legrand	Each	6.00		
135	6l	Miniature circuit breakers 240V/ 415 V 50Hz AC supply suitable for both lighting and motor circuits- four pole 63 amps 10 KA Legrand	Each	5.00		
136	10B-a	ISOLATORS- 40 Amps DP	Each	5.00		
137	10 C-c	ISOLATORS- 63 Amps FP	Each	5.00		
138	DATA M	Supplying and fixing of fan hook by dismantling ceiling portion and tying the fan hook with the main rod of the roof	Each	15.00		
139	DATA S	Supplying and painting for two coat aluminium paint in street light posts	Nos	12.00		
140	MR	14 watt CFL lamp	Nos	35.00		
141	MR	12 way DB 16 Amps /way with fuse and neutral each ( 250 V )	Each	5.00		
142	MR	Service Connection Board	Nos	6.00		

TOTAL