

**SPECIAL REPAIRS TO CONVERT D-TYPE QUARTERS IN TO RMO OFFICE AND REPAIRS TO EXISTING GODOWN,
TOILETS INCLUDING ELECTRICAL WORKS OF ESI HOSPITAL, SALEM**

Financial Bid

S.No	DSR / MR	Description of Item	Unit	Qty	Rate	Amount
1.1	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	442.75		
2.1	15.2.2	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge - Nominal concrete 1:4:8 or leaner mix (i/c equivalent design mix)	Cum	3.17		
3.1	15.28.2	Dismantling roofing including ridges, hips, valleys and gutters etc., and stacking the material within 50 metres lead of: - 15.28.2 Asbestos sheet	Sqm	51.91		
4	15.3	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer - in- charge.	Cum	9.31		
5.1	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	22		
6.1	15.23.1	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead. - For thickness of tiles above 10 mm and up to 25 mm	Sqm	24		
6.2	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	150.19		
7.1	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	20.87		

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8.1	2.8.1	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. - All Kinds of Soil	Cum	29.35		
9	2.27	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.	Cum	57.98		
10.1	4.1.8	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level: - 1:4:8 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size	Cum	13.65		
11.1	5.1.2	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 : - 1:1.5:3 (1 cement : 1.5 coarse sand (zone-III): 3 graded stone aggregate 20 mm nominal size).	Cum	6.65		
12.1	5.2.2	Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts etc. up to floor five level excluding cost of centering, shuttering, finishing and reinforcement : - 1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) : 3 graded stone aggregate 20 mm nominal size).	Cum	6.27		
13.1	5.9.1	Centering and shuttering including strutting, propping etc. and removal of form for - Foundations, footings, bases of columns, etc. for mass concrete	Sqm	8.64		
13.2	5.9.5	Centering and shuttering including strutting, propping etc. and removal of form for - Lintels, beams, plinth beams, girders, bressumers and cantilevers	Sqm	62.972		
13.3	5.9.6	Centering and shuttering including strutting, propping etc. and removal of form for - Columns, Pillars, Piers, Abutments, Posts and Struts	Sqm	42.66		
14.1	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	Kgs	1543.1364		

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15.1	6.1.1	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in : - Cement mortar 1:4 (1 cement : 4 coarse sand)	Cum	1.8		
16.1	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	61.74		
17.1	6.13.2	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 floor V level. - 6.13.2 Cement mortar 1:4 (1 cement :4 coarse sand)	Sqm	48		
18	6.15	Extra for providing and placing in position 2 Nos 6mm dia. M.S. bars at every third course of half brick masonry.	Sqm	120		
19.1	10.25.2	Steel work welded in built up sections / framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required. - In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works	Kgs	1349.55		
20.1	12.1.1	Providing corrugated G.S. sheet roofing including vertical / curved surface fixed with polymer coated J or L hooks, bolts and nuts 8 mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead, including a coat of approved steel primer and two coats of approved paint on overlapping of sheets complete (up to 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. - 1.00 mm thick with zinc coating not less than 275 gm/m ²	Sqm	114		
21.1	12.51.1	Providing and fixing precoated galvanised steel sheet roofing accessories 0.50 mm (+ 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 side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws complete - Ridges plain (500 - 600mm)	RM	19.27		
22.1	13.7.1	12 mm cement plaster of mix : - 1:3 (1 cement: 3 fine sand)	Sqm	70.42		

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22.2	13.7.2	12 mm cement plaster of mix : - 1:4 (1 cement: 4 fine sand)	Sqm	124.94		
23.1	13.6.1	20 mm cement plaster : - 1:4 (1 cement : 4 coarse sand)	Sqm	85.99		
24	11.36	Providing and fixing 1st 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	Sqm	155.6		
25	11.37	Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in colours such as 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 pigment etc., complete	Sqm	53.23		
26.1	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 - 11.41.2 Size of Tile 600x600 mm	Sqm	145.2		
27.1	13.41.1	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade : - New work (two or more coats) over and including water thinnable priming coat with cement primer	Sqm	3483.9		
28.1	13.45.1	Finishing walls with textured exterior paint of required shade : - New work (Two or more coats applied @ 3.28 ltr/10 sqm)over and including priming coat of exterior primer applied@ 2.20kg/10 sqm	Sqm	85.99		

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29.1	13.60.1	Wall painting with acrylic emulsion paint of approved brand and manufacture to give an even shade : - New work (two or more coats) over and including water thinnable priming coat with cement primer	Sqm	7607.2		
30	1.1.18	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	30.6476		
31.1	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	10		
32.1	17.2.1	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 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 - 17.2.1 W.C. pan with ISI marked white solid plastic seat and lid	Each	5		
33.1	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 require: - White Vitreous China Wash basin size 630x450 mm with a pair of 15 mm C.P. brass pillar taps	Each	14		
34	7259	Supply of C.P. Brass long body bibcock 15 mm	Each	14		
35	17.24	Providing and fixing white vitreous china squatting plate urinal with integral rim longitudinal flush pipe	Each	2		

S.No	DSR / MR	Description of Item	Unit	Qty	Rate	Amount
36.2	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	16		
37.1	18.7.2	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 - 20 mm nominal outer dia Pipes	Metre	143		
38.1	19.4.2.1	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 2.70 kg as per standard design: - With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	Each	10		
39	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 chollies, 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 Engineering-in-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	486		

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41.1	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	Metre	16.5		
41.2	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	Metre	97.5		
42.1	19.1.2	Providing, laying and jointing glazed stoneware pipes class SP-1 with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete : - External Work - 150 mm nominal inner dia Pipes	Metre	10		
43.1	18.9.5	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step CPVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge - 40 mm nominal outer dia Pipes	Metre	165.5		
43.2	18.9.3	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step CPVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge - 25 mm nominal outer dia Pipes	Metre	50		
44.1	21.3.1	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of Engineer-in-charge . (Cost of aluminium snap beading shall be paid in basic item): - 21.3.1 With float glass panes of 4.0 mm thickness	Sqm	33.37		

S.No	DSR / MR	Description of Item	Unit	Qty	Rate	Amount
45	9.119	Providing and fixing factory made P.V.C. door frame of size 50x47 mm with a wall thickness of 5 mm, made out of extruded 5mm rigid PVC foam sheet, mitred at corners and joined with 2 Nos of 150 mm long brackets of 15x15 mm M.S. square tube, the vertical door frame profiles to be reinforced with 19x19 mm M.S. square tube of 19 gauge, EPDM rubber gasket weather seal to be provided through out the frame. The door frame to be fixed to the wall using M.S. screws of 65/100 mm size, complete as per manufacturer's specification and direction of Engineerin-	Metre	79.2		
46	9.124	Providing and fixing factory made 30 mm thick door shutter made of solid PVC foam profile. The styles & rails shall be of size 75 mm x 30 mm having wall thickness 5 mm. The styles, top & bottom rails shall have one side wall thickness of 15 mm integrally extruded on the hinge side of the profile for better screw holding power. The styles and rails shall be reinforced with M.S. tubes of size 33 mm x 17 mm x 1 mm, painted with primer, all four corners of reinforcement to be welded or sealed. Solid PVC extruded bidding (push fit type) will be set inside the styles and the rails with a cavity, to receive single piece extruded 5 mm PVC sheet as panel. The styles and rails will be mitred cut and joint with the help of PVC solvent cement & self driven self tapping screws. Single piece extruded solid PVC lock rail of size 100 mm x 30 mm with wall thickness 5 mm & 15 mm integrally extruded in the middle of the lock rail & fixed with styles with the help of PVC solvent cement & self driven self tapping	Sqm	25.21		
47	MR	Supplying and fixing Cudappah slab for Medical store Cupboard	Sqm	119.7		
48	R 143/P51	Supply and fixing of C.I Nahani / Floor trap with Stainless Steel grating 100x75 mm	Each	17		
49.1	1.8.2	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FR 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. FR PVC insulated copper conductor single core cable etc as required. - Group B	Point	25		

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50	1.12	Wiring for light/ power plug with 2X4 sq. mm FR PVC insulated copper conductor single core cable in surface/ recessed medium class PVC conduit alongwith 1 No 4 sq. mm FR PVC insulated copper conductor single core cable for loop earthing as required.	Mtr	171.5		
51.1	1.14.2	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FR PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required - 2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	Mtr	126		
52.1	1.24.1	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required. - 5/6 amps switch	Each	9		
52.2	1.24.3	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required. - 15/16 amp switch	Each	5		
52.3	1.24.4	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.- 3 pin 5/6 amp socket outlet	Each	9		
52.4	1.24.5	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.- 6 pin 15/16 amp socket outlet	Each	5		
53	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.	Each	14		
54	1.26	Supplying and fixing modular blanking plate on the existing modular plate & switch box excluding modular plate as required.	Each	36		
55.1	1.27.1	Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc as required.- 1 or 2 Module (75mmX75mm)	Each	1		
55.2	1.27.3	Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc as required. - 4 Module (125mmX75mm)	Each	3		

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55.3	1.27.4	Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc as required.- 6 Module (200mmX75mm)	Each	3		
55.4	1.27.6	Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc as required.- 12 Module (200mmX150mm)	Each	21		
56	1.38	Supplying and fixing call bell/ buzzer suitable for single phase, 230 volts, complete as required.	Each	1		
57	2.18	Supplying and fixing 20 amps, 240 volts, SPN industrial type, socket outlet, with 2 pole and earth, metal enclosed plug top alongwith 20 amps "C" curve, SP, MCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket out let and complete with connections, testing and commissioning etc. as required.	Each	5		
58	5.2	Earthing with G.I. earth pipe 4.5 metre long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal/ coke and salt as required.	Each	1		
59	2904	8 SWG copper wire (4.0 mm dia)	kgs	5		
60	1436	Bell push, piano type	Each	1		
61	1706	6 amps. to 32 amps. ratings , SP MCB, "C" curve, 10 KA breaking capacity	Each	16		
62	1716	100 amps., 4 pole isolator	Each	6		
63	1754	4 way (4+12), TPN, MCB DB, double door, horizontal type	Each	3		
64	A-18	Water tight bulk head fitting suitable for CFL lamp with guard heavy type	Each	2		
65.1	Annex-II, 3 - c	Compact Fluorescent lamps- Essential 18 Watts	Each	4		
66	DATA I	Energy saving, instant start and flicker free T5 28W Flurescent fitting	Each	20		
67	DATA J	"T5" 28 W Fluorescent tube	Each	20		
68	B-1-a	AC ceiling fan complete 1200mm (48") sweep with 300mm Down rod (without regulator)	Each	20		
69	B-II-b	AC Exhaust fan 300mm (12") sweep light duty	Each	20		
70	SD-204	Supply and laying of 3.5x25 Sqmm PVC armoured LT UG Cable in a trench to be excavated at a depth of 0.75 mtr putting 0.15 mtr layer of sand and covering the cable completely with bricks and sand and refiling the earth to make good	Mtr	115		

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71	SD-207	Supply and laying of 3.5x70 Sqmm PVC armoured LT UG Cable in a trench to be excavated at a depth of 0.75 mtr putting 0.15 mtr layer of sand and covering the cable completely with bricks and sand and refiling the earth to make good	mtr	100		
72	SD 130	Supply and fixing of TNEB meter board suitable for 3 phase 100 Amps service connection made up of suitable angle iron frame work of size 2 feetx1.5 feet using angle iron of size 1.5 x 1.5x.25" rigidly fixed on wall covered with hylem sheet of size 2'x1.5' of 12mm thickness with necessary bolts and nut supports and supply and fixing of 3 Nos 100 Amps fuse units (500V) 1No, Neutral link copper earth flat of size 1"x.25" with interconnection of EB meter to fuse units by 7/16 PVC insulated copper wire with earth connection complete	Each	1		
73	MR	Supplying and providing of 33 W LED street light Fittings	Each	5		

TOTAL