

**Name of work : ANNUAL REPAIRS AND MAINTENANCE (CIVIL & ELECTRICAL) WORKS FOR 500 BEDDED
ESI HOSPITAL , AND THE STAFF QUARTERS AT AYANAVARAM FOR THE YEAR 2019-20**

FINANCIAL BID

S. No	DSR No.	Description of Item	Qty	Unit	Rate	Total
1	2.8.1	Earth work excavation by mechanical means (Hydraulic excavator) /Manual Means in foundation trenches or drains (not exceeding 1.5m in width or 10 Sq.M on plan) including dressing of sides and ramming of bottom, lift upto 1.5m, including getting out the excavated soil and disposal of Surplus excavated soil as directed, within a lead of 50 m - All kinds of soil	15	Cum	166.4	2496
2	2.10.1.1	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 All kinds of soil Pipes, cables etc, not exceeding 80 mm dia	40	Mtr	138.05	5522
3	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 All kinds of soil Pipes, cables etc, Exceeding 80mm dia but not exceeding 300mm dia	40	Mtr	225.45	9018
4	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.	32995	Sqm	7.2	237564

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5	2.33.2	Felling trees of the girth (measured at a height of 1 m above ground level), including cutting of trunks and branches, removing the roots and stacking of serviceable material and disposal of unserviceable material. Beyond 60 cm girth upto and including 120 cm girth	2	Nos	972.7	1945.4
6	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 300 mm interval including drilling holes at 45 degree and plugging them with cement mortar 1:2 (1cement : 2 coarse sand) to the full depth of the hole With Chlorpyriphos/Lindane E.C. 20% with 1% concentration	120	metre	19.05	2286
7	4.1.3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level: - 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	2	Cum	5481.95	10963.9
8	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)	1.25	Cum	5772.65	7215.8125
9	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	12.5	Sqm	422.3	5278.75
10	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.	138	Kg	56.6	7810.8

S. No	DSR No.	Description of Item	Qty	Unit	Rate	Total
11	6.1.2	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in: Cement mortar 1:6 (1 cement : 6 coarse sand)	6.5	Cum	4751.65	30885.725
12	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)	9.5	Cum	5582.85	53037.075
13	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. Cement mortar 1:4 (1 cement :4 coarse sand)	35	Sqm	684.2	23947
14	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. complete at all levels. Granite of any colour and shade Area of slab over 0.50 sqm	43.5	Sqm	3113.3	135428.55
15	9.1.2	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	0.5	Cum	85386.95	42693.475

S. No	DSR No.	Description of Item	Qty	Unit	Rate	Total
16	9.5.1.1	Providing and fixing panelled or panelled and glazed shutters for doors, windows and clerestory windows, including ISI marked M.S. pressed butt hinges bright finished of required size with necessary screws, excluding panelling which will be paid for separately, all complete as per direction of Engineer-in-charge. Second class teak wood 35 mm thick shutters	2.2	Sqm	2548.15	5605.93
17	9.21.2	Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters , 30 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	34	Sqm	1559.7	53029.8
18	9.46.2	Providing and fixing curtain rods of 1.25 mm thick chromium plated brass plate, with two chromium plated brass brackets fixed with C.P. brass screws and wooden plugs, etc., wherever necessary complete : 20 mm dia	13	Mtr	359.3	4670.9
19	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.	960	Kg	112.45	107952
20	9.84	Supplying and fixing of Aluminium extruded section body Tubular type universal Hydraulic door closer (having brand logo with ISI. IS 3564 embossed on the body ,door weight upto 36 to 80kg and door width from 701 mm to 1000mm) with double speed adjustment with necessary accessories and screws complete.	20	Each	388.4	7768

S. No	DSR No.	Description of Item	Qty	Unit	Rate	Total
21	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	40	Each	118.2	4728
22	9.95.4	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 : 100x63x4 mm	40	Each	79.45	3178
23	9.95.6	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 : 75x63x4 mm	40	Each	62.05	2482
24	9.96.1	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 : 300x16 mm	20	Each	212.45	4249
25	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	20	Each	88.1	1762
26	9.97.4	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 : 150x10 mm	20	Each	64.3	1286
27	9.100.2	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: 100 mm	10	Each	45.1	451

S. No	DSR No.	Description of Item	Qty	Unit	Rate	Total
28	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	40	Each	38	1520
29	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.	4	Each	473.65	1894.6
30	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-Charge.	15	RM	438.75	6581.25

S. No	DSR No.	Description of Item	Qty	Unit	Rate	Total
31	9.120.1	Providing and fixing factory made panel PVC door shutter consisting of frame made out of M.S. tubes of 19 gauge thickness and size of 19 mm x 19 mm for styles and 15x15 mm for top & bottom rails. M.S. frame shall have a coat of steel primers of approved make and manufacture . M.S. frame covered with 5 mm thick heat moulded PVC 'C' channel of size 30 mm thickness, 70 mm width out of which 50 mm shall be flat and 20 mm shall be tapered in 45 degree angle on both side forming styles and 5 mm thick, 95 mm wide PVC sheet out of which 75 mm shall be flat and 20 mm shall be tapered in 45 degree on the inner side to form top and bottom rail and 115 mm wide PVC sheet out of which 75 mm shall be flat and 20 mm shall be tapered on both sides to form lock rail. Top, bottom and lock rails shall be provided both side of the panel. 10 mm (5 mm x 2) thick, 20 mm wide cross PVC sheet be provided as gap insert for top rail & bottom rail. paneling of 5 mm thick both side PVC sheet to be fitted in the M.S. frame welded/ sealed to the styles & rails with 7 mm (5 mm+2 mm) thick x 15 mm wide PVC sheet beading on inner side, and joined together with solvent cement adhesive. An additional 5 mm thick PVC strip of 20 mm width is to be stuck on the interior side of the 'C' Channel using PVC solvent adhesive etc. complete as per direction of Engineer-in-charge, manufacturer's specification & drawing. - 30 mm thick plain PVC door shutters	3.5	Sqm	2768.1	9688.35
32	9.128	Providing and fixing factory made Fiberglass Reinforced plastics (F.R.P.) chajja 4 mm thick of required colour, size and design made by Resin Transfer Moulding (RTM) Machine Technology, resulting in void free compact laminate in single piece, having smooth gradual slope curvature for easy drainage of water and duly reinforced by 2 nos vertically and 1 nos horizontally 50x2 mm thick M.S. flat with 12 mm in built hole for grouting on the existing wall along with the 50 mm flanges duly inserted and sealed in the wall complete in one single piece casted monolithically, including all necessary fittings . The FRP Chajja should be manufactured using unsaturated Polyester resin as per IS: 6746, duly reinforced with fibre glass chopped strand mat (CSM) as per IS: 1551 complete with protective Gel coat U/V coating on Top for complete resistance from the extreme of temperature, weather & sunlight.	23	Sqm	4113.35	94607.05

S. No	DSR No.	Description of Item	Qty	Unit	Rate	Total
33	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.	97	Sqm	744.8	72245.6
34	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.	185	Sqm	688.35	127344.75
35	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	416	Sqm	1119.4	465670.4
36	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	28	RM	236.35	6617.8

S. No	DSR No.	Description of Item	Qty	Unit	Rate	Total
37	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. - Coupler 110 mm dia	27	Each	102.65	2771.55
38	12.42.3.2	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. - Single tee with door - 110x110x110 mm	36	Each	181.55	6535.8
39	12.42.5.2	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. - Bend 87.5° - 110 mm bend	31	Each	113.1	3506.1
40	12.42.6.2	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. - Shoe (Plain) 110 mm Shoe	20	Each	98	1960
41	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. - 110 mm	27	Each	181.4	4897.8

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42	12.45.4	Providing and fixing false ceiling at all height including providing and fixing of frame work made of special sections, power pressed from M.S. sheets and galvanized with zinc coating of 120 gms/sqm (both side inclusive) as per IS : 277 and consisting of angle cleats of size 25 mm wide x 1.6 mm thick with flanges of 27 mm and 37mm, at1200 mm centre to centre, one flange fixed to the ceiling with dash fastener 12.5 mm dia x 50mm long with 6mm dia bolts, other flange of cleat fixed to the angle hangers of 25x10x0.50 mm of required length with nuts & bolts of required size and other end of angle hanger fixed with intermediate G.I. channels 45x15x0.9 mm running at the spacing of 1200 mm centre to centre, to which the ceiling section 0.5 mm thick bottom wedge of 80 mm with tapered flanges of 26 mm each having lips of 10.5 mm, at 450 mm centre to centre, shall be fixed in a direction perpendicular to G.I. intermediate channel with connecting clips made out of 2.64 mm dia x 230 mm long G.I. wire at every junction, including fixing perimeter channels	68	Sqm	806.2	54821.6

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43	12.5	Providing and fixing precoatedgalvanized iron profile sheets (size, shape and pitchof corrugation as 5% total coated thickness (TCT), Zinc coating 120gsm as per IS:277 in approved by Engineer-in-charge) 0.05 mm. 240 mpa mm steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches while transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in- charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55mm) with EPDM seal or with polymer coated J or L hooks, bolts and nuts 8mm diaMtr with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead 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.	50	Sqm	550.4	27520
44	13.1.1	12 mm cement plaster of mix : 1:4 (1 cement : 4 fine sand)	480	Sqm	172.95	83016
45	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)	75	Sqm	200.25	15018.75
46	13.26	Providing and applying plaster of paris putty of 2 mm thickness over plastered surface to prepare the surface even and smooth complete.	48	Sqm	118.7	5697.6
47	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	300	Sqm	84.45	25335
48	13.61.1	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade : Two or more coats on new work	53	Sqm	78.4	4155.2

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49	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)	50	Sqm	264.8	13240
50	14.6.1	Renewing glass panes, with wooden fillets wherever necessary Float glass panes of thickness 4 mm	5	Sqm	852.6	4263
51	14.23	Pumping out water caused by springs, tidal or river seepage, broken water mains or drains and the like.	450	Kil.lit	104.3	46935
52	14.43	Removing white or colour wash by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc. Complete	300	Sqm	8.35	2505
53	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)	150	Sqm	33.35	5002.5
54	14.66.1	Finishing walls with Acrylic Smooth exterior paint of required shade: Old work (Two or more coat applied @ 1.67 ltr/ 10 sqm) on existing cement paint surface	150	Sqm	68.95	10342.5
55	14.69.1	Varnishing with varnish of approved brand and manufacture: One or more coats with copal varnish	10	Sqm	46.95	469.5

S. No	DSR No.	Description of Item	Qty	Unit	Rate	Total
56	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 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 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	450	Sqm	160.15	72067.5
57	14.75A	Cleaning of terrace/loft water storage tank (inside surface area)upto 2000 litre capacity at all heights with coconut brushes,duster etc., removal of silt, rubbish from the tank and cleaning the tank with fresh water disinfecting with bleaching powder@ 0.5gm per litre capacity of tank, including marking the date of cleaning on the side of tank body with the help of stencil and paint and disposing of malba, all complete as per direction of Engineer-in-Charge. (The old date already written on tank should be removed with paint remover or black paint and if date is not written with the stencil or old date is not removed deduction will be made @ Rs. 0.10 per litre if during cleaning any GI fittings or ball cock is damaged that is to be repaired by contractor at his own cost and nothing extra will be paid on this account)	48000	Liter	0.2	9600

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58	14.76	Cleaning and desilting of gully trap chamber, including removal of rubbish mixed with earth etc. and disposal of same, all as per the direction of Engineer-in-charge.	100	Each	47.55	4755
59	14.78	Cleaning of under ground sump, Over Head R.C.C. Tank (independent staging) including disposal of slit and rubbish, all as per direction of Engineer-in-Charge. The cleaning shall consist following operations:- (i) Tank shall be emptied of water by pumping & bottom shall be cleaned of slit and other deposits. (ii) Entire surface area of the sump shall then scrubbed thoroughly with wire brush etc. and pressure washed with water. (iii) Chlorination of RCC internal surface by liquid chlorine. (iv) The treated surface shall be dried using air jetting and all loose particles shall be removal from the surface. (v) Finally the surface shall be treated with ultraviolet radiation etc. as per direction of Engineer-in-Charge.	1400	Sqm	40.7	56980
60	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.	5	Cum	1454.55	7272.75
61	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	5.6	Cum	842.75	4719.4
62	15.13.1	Taking out doors, windows and clerestory window shutters (steel or wood) including stacking within 50 metres lead Of area 3 sq. metres and below	6.3	Sqm	61.25	385.875
63	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 10 mm to 25 mm	50	Sqm	31.55	1577.5

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64	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	10	Sqm	49.2	492
65	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.	12	Each	391.2	4694.4
66	15.60	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.	12	Cum	120.55	1446.6
67	16.79	Providing, laying, spreading and compacting graded stone aggregate (size range 53 mm to 0.075 mm) to wet mix macadam (WMM) specification including premixing the material with water at OMC in for all leads & lifts, laying in uniform layers with mechanical paverfinisher in sub- base / base course on well prepared surface and compacting with vibratory roller of 8 to 10 tonne capacity to achievethe desired density, complete as per specifications and directions of Engineer-in-Charge.	15	Cum	2132.25	31983.75
68	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	12	Each	3494.2	41930.4

S. No	DSR No.	Description of Item	Qty	Unit	Rate	Total
69	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 : W.C. pan with ISI marked white solid plastic seat and lid	12	Each	3418.7	41024.4
70	17.4.1	Providing and fixing white vitreous china flat back or wall corner type lipped front urinal basin of 430x260x350 mm and 340x410x265 mm sizes respectively with automatic flushing cistern with standard flush pipe and C.P. brass spreaders with brass unions and G.I clamps complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required : One urinal basin with 5 litre white P.V.C. automatic flushing cistern	5	Each	3494.15	17470.75
71	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	5	Each	2298.55	11492.75
72	17.10.2.1	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 without drain board 610x510 mm bowl depth 200 mm (without drain board)	2	Each	2476.6	4953.2
73	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	10	Each	73.25	732.5

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74	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.	5	Each	817.95	4089.75
75	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	50	Mtr	216.2	10810
76	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	50	Mtr	385.5	19275
77	18.7.6	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. 50 mm nominal outer dia Pipes	55	Mtr	548.55	30170.25

S. No	DSR No.	Description of Item	Qty	Unit	Rate	Total
78	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	25	Mtr	284.85	7121.25
79	18.18.3	Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete : 25 mm nominal bore	8	Each	331.95	2655.6
80	18.48A	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. Circular tank	5000	Liter	7.25	36250
81	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 2.70 kg as per standard design: 100x100 mm size P type With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	2	Each	1602.4	3204.8
82	19.5.1	Dismantling of old S.W. pipes including breaking of joints and bed concrete stacking of useful materials near the site within 50 m lead and disposal of unserviceable materials into municipal dumps : 100 mm diameter	50	Mtr	36.35	1817.5

S. No	DSR No.	Description of Item	Qty	Unit	Rate	Total
83	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	2	Nos	8634.1	17268.2
84	19.8.1.1	Extra for depth for manholes Size 90x80 cm With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	2	Mtr	5718.6	11437.2
85	19.19.1.1	Providing and fixing in position pre-cast R.C.C. manhole cover and frame of required shape and approved quality - Rectangular shape 600x450mm internal dimensions	5	Nos	1073.05	5365.25

S. No	DSR No.	Description of Item	Qty	Unit	Rate	Total
86	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)	35	kg	355.2	12432
87	21.1.2.1	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 shutters of doors, windows & ventilators including providing and fixing hinges / pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately). Anodised aluminium (anodised transparent or dyed to required shade according to IS:1868, Minimum anodic coating of grade AC 15)	180	Kg	415.05	74709

S. No	DSR No.	Description of Item	Qty	Unit	Rate	Total
88	21.2.1	Providing and fixing 12 mm thick pre-laminated particle board flat pressed three layer or graded wood particle board conforming to IS: 12823 Grade I Type II, in panelling fixed in aluminum doors, windows shutters and partition frames with C.P. brass / stainless steel screws etc. complete as per architectural drawings and directions of Engineer-in-Charge. Pre-laminated particle board with decorative lamination on one side and balancing lamination on other side	92	Sqm	826.35	76024.2
89	21.3.2	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): With float glass panes of 5.50 mm thickness	14	Sqm	1003.95	14055.3
90	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.	19	Sqm	298.3	5667.7
91	1366	CI Grating 150x150mm	5	Each	25	125
92	1927	Supply of brass way valve with C.I. wheel of approved quality (screwed end) 25mm dia:	5	Each	350	1750
93	1929	Supply of brass way valve with C.I. wheel of approved quality (screwed end) 40 mm dia:	8	Each	480	3840

S. No	DSR No.	Description of Item	Qty	Unit	Rate	Total
94	1930	Supply of brass way valve with C.I. wheel of approved quality (screwed end) 50 mm dia:	2	Each	620	1240
95	1931	Supply of brass way valve with C.I. wheel of approved quality (screwed end) 65 mm dia:	2	Each	1080	2160
96	7257	Supply of CP Brass bib cock 15mm dia	10	Each	300	3000
97	7259	Supply of CP Brass long body bib cock 15mm dia	10	Each	400	4000
98	7260	Supply of CP Brass stop cock 15mm dia	25	Each	450	11250
99	7261	Supply of C.P. Brass angle valve 15 mm	35	Each	390	13650
		Labour charges for maintaining day to day maintenance works at Hospital, Offices, and residential quarters for attending to repairs with the maintenance staff with all helpers, tools and plants as directed the Engineer-in-charge as below :				
100	CMW	Plumber (2 Nos) - Skilled	24	1 Month	27509	660216
101	CMW	Helper (3 Nos) - Unskilled	36	1 Month	22924	825264
101a	CMW	Mali (Semi Skilled) For Garden watering , maintenance and cleaning of dry fallen leaves , debries, other peats and on the drain entrys in the terrace sunshades, canopies in Hospital and Staff qtrs and dispose the same to the Garbage yard. - Unskilled	12	1 Month	22924	275088
102	CMW	Carpenter (1 No) - Skilled	12	1 Month	27509	330108
103	CMW	Sewerman (1 Nos) - Semiskilled	12	1 Month	25196	302352
104	CMW	Supervisor - Diploma / Degree in Civil Engineering having minimum 3 years experience -1 No	12	1 Month	29708	356496
105	SSR 143/P51	Supply and Fixing of C.I Nahani / Floor trap with Stainless Steel grating 100 x 75 mm	5	Each	289.632	1448.16
106	MR	Supply of Jaquar make continental series long body bibcock - code no - CON-CHR-107KN	20	Each	1006	20120
107	MR	Supply of Jaquar make continental series Bibcock - code no - CON-CHR-037KN	50	Each	741	37050
108	MR	Supply of Jaquar make continental series Pillarcock - code no -CON-CHR-011KN	30	Each	774	23220
109	MR	Supply of Jaquar make Health faucet - code no -ALD-CHR-563	30	Each	854	25620
110	MR	Supply of Jaquar make continental series Wall mixture - code no -CON-CHR-217KN 0	5	Each	3026	15130
111	MR	Supply of Jaquar make continental series Angle cock - code no -CON-CHR-053KN	20	Each	642	12840

S. No	DSR No.	Description of Item	Qty	Unit	Rate	Total
112	MR	Supply of Jaquar make continental series Sink cock - code no -CON-349KNM	20	Each	1337	26740
113	MR	.Supply of Jaquar make shower arm - code no SHA-CHR-479L300	10	Each	741	7410
114	MR	Supply and fixing of Concealed Flush Tank of 6L capacity	2	Each	4920	9840
115	MR	Cleaning of septic tanks, man holes and blocked sewer lines etc., by pumping out/removal of the sludge and sewage with mechanically operated vaccum based septic tank cleaner including disposal of sludge far away from the ESIC campus by mechanical transporation using covered tanks without disturbing the public life etc. complete as per the direction of the Engineer-in-charge.	120	Load	1330	159600
116	MR	Providing and fixing Caddapah slab, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations, of required size, 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. complete at all levels.	10	Sqm	634.58	6345.8
118	MR	Providing and fixing of fly proof wire gauze mesh to windows using Saint-Gobain wire gauze with velcro type complete as per the directions of Engineer-in-Charge	108	Sqm	438	47304
119	1.8	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.				
	1.8.2	Group B	5.00	Point	759.00	3,795.00

S. No	DSR No.	Description of Item	Qty	Unit	Rate	Total
120	1.9	Wiring for twin control light point with 1.5 sq.mm FR PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, 2 way piano type switch, phenolic laminated sheet, suitable size MS box and earthing the point with 1.5 sq.mm. FR PVC insulated copper conductor single core cable etc as required.	2.00	Point	975.00	1,950.00
121	1.10	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 modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FR PVC insulated copper conductor single core cable etc as required.				
	1.10.2	Group B	10.00	Point	783.00	7,830.00
122	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.	250.00	Mtr	200.00	50,000.00
123	1.13	Wiring for light/ power plug with 4X4 sq. mm FR PVC insulated copper conductor single core cable in surface/ recessed medium class PVC conduit alongwith 2 Nos 4 sq. mm FR PVC insulated copper conductor single core cable for loop earthing as required.	150.00	Mtr	308.00	46,200.00
124	1.14	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				
	1.14.2	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	200.00	Mtr	167.00	33,400.00
125	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.	2.00	Nos	342.00	684.00

S. No	DSR No.	Description of Item	Qty	Unit	Rate	Total
126	1.38	Supplying and fixing call bell/ buzzer suitable for single phase, 230 volts, complete as required.	5.00	nos	92.00	460.00
127	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.	10	Nos	1232.00	12,320.00
128	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.	2.00	Nos	5308.00	10,616.00
129	2904	8 SWG copper wire (4.0 mm dia)	6.00	Kg	540.00	3,240.00
130	1101	1.5 sq. mm ISI marked, FR PVC insulated, single core copper conductor cable	40.00	Mtr	9.00	360.00
131	1102	2.5 sq. mm ISI marked, FR PVC insulated, single core copper conductor cable	40.00	Mtr	14.00	560.00
132	1103	4.0 sq. mm ISI marked, FR PVC insulated, single core copper conductor cable	40.00	Mtr	22.00	880.00
133	1104	6.0 sq. mm ISI marked, FR PVC insulated, single core copper conductor cable	40.00	Mtr	32.00	1,280.00
134	1105	10 sq. mm ISI marked, FR PVC insulated, single core copper conductor cable	50.00	Mtr	57.00	2,850.00
135	1436	Bell push, piano type	2.00	Nos	12.00	24.00
136	1706	6 amps. to 32 amps. ratings , SP MCB, "C" curve, 10 KA breaking capacity	50.00	Nos	102.00	5,100.00
137	1711	Single pole, blanking plate	50.00	Nos	5.00	250.00
138	1712	40 amps., 2 pole isolator	2.00	Nos	207.00	414.00
139	1715	63 amps., 4 pole isolator	10.00	Nos	536.00	5,360.00
140	1716	100 amps., 4 pole isolator	10.00	Nos	693.00	6,930.00
141	1738	6 way, SPN, double door, MCB DB	1.00	Nos	991.00	991.00
142	1740	12 way, SPN, double door, MCB DB	1.00	Nos	1287.00	1,287.00
143	1754	4 way (4+12), TPN, MCB DB, double door, horizontal type	4.00	Nos	2005.00	8,020.00
144	1402	S.P. 5/6 amps, one way modular switch, ISI marked	10.00	Nos	28.00	280.00
145	1404	S.P. 15/16 amps, one way modular switch, ISI marked	50.00	Nos	63.00	3,150.00
146	1405	3 pin 5/6 amps modular socket outlet, ISI marked	10.00	Nos	59.50	595.00
147	1406	6 pin 15/16 amps modular socket outlet, ISI marked	50.00	Nos	95.50	4,775.00

S. No	DSR No.	Description of Item	Qty	Unit	Rate	Total
148	1408	Stepped type Modular Fan regulator (2 module)	20.00	Nos	209.50	4,190.00
149	1411	Modular blanking plate	20.00	Nos	12.00	240.00
150	1421	Modular base & cover plate for 2 module	20.00	Nos	37.50	750.00
151	1423	Modular base & cover plate for 4 module	20.00	Nos	55.50	1,110.00
152	1424	Modular base & cover plate for 6 module	20.00	Nos	77.50	1,550.00
153	1425	Modular base & cover plate for 8 module	20.00	Nos	99.50	1,990.00
154	1426	Modular base & cover plate for 12 module	20.00	Nos	123.00	2,460.00
155	1431	S.P. 5/6 amps, one way switch, piano type ISI marked	10.00	Nos	10.00	100.00
156	1432	S.P. 5/6 amps, two way switch, piano type ISI marked	10.00	Nos	16.80	168.00
157	1433	S.P. 15/16 amps, one way switch, piano type ISI marked	30.00	Nos	46.80	1,404.00
158	1434	3 pin 5/6 amps socket outlet, piano type ISI marked	10.00	Nos	19.20	192.00
159	1435	6 pin 15/16 & 5/6 amps socket outlet, piano type ISI marked	30.00	Nos	60.00	1,800.00
	I	Labour charges for maintaining day to day maintenance works at Offices, Dispensaries, and residential quarters and attending to repairs rojnd the clock with the maintenance staff with all helpers, tools and plants as directed by the Engineer-in-charge				
160	CMW	(Wireman Grade 1) Electrician Grade - I (5 Nos) - Skilled	60.00	1 Month	27509.00	16,50,540.00
161	CMW	Pump Operator (4 No) (Day & Night) - Semi skilled	48.00	1 Month	25196.00	12,09,408.00
162	CMW	Helper (3 No) (Khalasi) - Unskilled	36.00	1 Month	22924.00	8,25,264.00
163	CMW	Supervisor - 'C' Licence Holder - Highly Skilled	12.00	1 Month	29708.00	3,56,496.00
164	CMW	DG/ Panel Board Operator (2 No) - Semi skilled	24.00	1 Month	25196.00	6,04,704.00
165	CMW	Chiller Plant Operator (3 Nos) - Semi Skilled	36.00	1 Month	22924.00	8,25,264.00
166	CMW	Lift Operator (6 Nos) - Semi skilled	72.00	1 Month	25196.00	18,14,112.00
167	CMW	RO Plant Operator (1 No) - Semi skilled	12.00	1 Month	25196.00	3,02,352.00
168	CMW	STP/ ETP Operator (1 No) - Semiskilled	12.00	1 Month	25196.00	3,02,352.00
169	CMW	Laundry Operator (1 No) - Semi skilled	12.00	1 Month	25196.00	3,02,352.00
170	CMW	Laundry Helper (3Nos) - unskilled	36.00	1 Month	22924.00	8,25,264.00

S. No	DSR No.	Description of Item	Qty	Unit	Rate	Total
171	SSR-VII - A-4-b	Fluorescent tubular lamps with ISI mark Cool day light 4 ft 40 Watts	10.00	Nos	38.53	385.28
172	SSR-VII - 20-c	36/40 W Electronic ballast for flu type (Philips/Crompton)	25.00	Nos	301.28	7,532.00
173	SSR-VII - A-22	Battern type bakelite holder for lamp	25.00	Nos	17.70	442.40
174	SSR-VII - B-1-c	Stepped electronic 300W/450W square type fan regulator Anchor/Deluxe	10.00	Nos	207.76	2,077.60
175	SD 107	Supply and fixing of 1200 mm 48" AC ceiling fan complete with stepped electronic 300 W regulator with 1.1 meter down rod on the existing clamp	20.00	Nos	1818.88	36,377.60
178	SD 114	Supply and fixing of 300 mm (12") sweep light duty) AC exhaust fan complet with necessary wall opening and making good of the wall	10.00	Nos	1796.48	17,964.80
179	SD 120	Supplying and fixing of louvers shutters arrangements for 300 mm 12" Sweep light duty AC exhaust fan	10.00	Nos	388.64	3,886.40
180	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	2.00	Nos	4398.24	8,796.48
181	SD-206	Supply and laying of 3.5x50 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	50.00	Mtr	537.60	26,880.00
182	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	50.00	Mtr	645.12	32,256.00

S. No	DSR No.	Description of Item	Qty	Unit	Rate	Total
183	SD 222	Supply and laying of 31/2 x 25 sq. sq.mm PVC armoured LTUG cable in a trench to be excavated at a depth of 0.75 metre putting 0.15 mt. Layer of sand and covering the cable completely with bricks and sand and refilling the earth to make good.	100.00	Mtr	342.72	34,272.00
184	SSR I-VIII-a	PVC Insulation tape 19mm	150.00	Nos	14.62	2,192.40
185	SSR VII E-VI-c	8 ways 15 Amps Neutral link	2.00	Nos	49.62	99.23
186	SSR-VII-G-4a	Power capacitor for power factor improvement with oil filled with discharge resistance 3 phase 415 / 440V 50 HZ conforming to ISS:2384 with ISI marking	120.00	KVAR	337.12	40,454.40
187	TWAD 12.1	Pvc Insulated And Sheathed 3 Core Flat Type Copper Cable Conforming To Is 694/1990				
	3	4.0 sq.mm	200.00	Mtr	180.32	36,064.00
188	TWAD-12.4	Cable Clamp				
	1	Up to 95 sq.mm	75.00	Nos	332.64	24,948.00
189	TWAD-14	Moulded Case Circuit Breaker(MCCB) With Thermo Magnetic Release				
	1	32-100 (4 Pole)	4.00	Nos	13588.96	54,355.84
190	MR	Supply of 400mm sweep wall mounting fan with push button switch (makeOrient / Usha / Bajaj / Crompton fan or Equalent make)	50.00	Nos	3148.00	157400.00
191	MR	Supply of 400mm sweep pedestal fan(makeOrient / Usha / Bajaj / Crompton fan or Equalent make)	25.00	Nos	3541.00	88525.00
192	MR	Supply of 2.5 MFD Fan condensor make Keltron or equalent make	50.00	Nos	39.00	1950.00
193	MR	Supply of 4 KVA Stabilizer double boost Everest, premier or equivalent make.	3.00	Nos	3148.00	9444.00
194	MR	Supply of 5 KVA Stabilizer double boost Everest, premieer or equivalent make.	3.00	Nos	7607.00	22821.00
195	MR	Supply of tube light side holder	40.00	Nos	50.00	2000.00
196	MR	Supplying And Fixing of A/C Stand	5.00	Nos	1023.00	5115.00
197	MR	Supply of 4 Sqmm 3 core wire	50.00	Mtr	151.00	7550.00
198	MR	Supply of 2.5 Sqmm 3 core wire	60.00	Mtr	105.00	6300.00
199	MR	Supply of 1.5 Sqmm 3 core wire	65.00	Mtr	65.60	4264.00
200	MR	Supply of 4 Sqmm 4 core wire	40.00	Mtr	202.00	8080.00
201	MR	Supply of 2.5 Sqmm 4 core wire	30.00	Mtr	128.50	3855.00

S. No	DSR No.	Description of Item	Qty	Unit	Rate	Total
202	MR	Supply of 1.5 Sqmm 2 core wire	60.00	Mtr	82.60	4956.00
203	MR	Supplying and fixing of fan hook by dismantling ceiling portion and tying the fan hook with the main rod of the roof	10.00	Nos	161.00	1610.00
204	MR	Repairing and rewinding of ceiling fan	5.00	Nos	630.00	3150.00
205	MR	Supplying and fixing of 6202 ball bearing	5.00	Nos	144.00	720.00
206	MR	Supplying and fixing of 6203 ball bearing	5.00	Nos	144.00	720.00
207	MR	Cleaning of ceiling fan, wall mount fan	100.00	Nos	25.00	2500.00
208	MR	Painting of ceiling fan of standard size with two coats of enamel paint	20.00	Nos	120.00	2400.00
209	MR	14 watt LED lamp (Make philips, Surya or equalant make)	20.00	Nos	498.00	9960.00
210	MR	18 Watt LED PL lamp (Make philips, Crompton or equalant make)	10.00	Nos	918.00	9180.00
211	MR	Supply of 36 W LED street light Fittings (make Crompton Philips or equivalent make)	2.00	Nos	5400.00	10800.00
212	MR	Supply of 20watt 4' LED Tube light (Make crompton philips or equivalent make)	50.00	Each	498.00	24900.00
213	MR	Maintenance of 500 KVA Distribution Transformer HT/LT swich gears and equipments for the year 2018-19 - 500 KVA HT/LT Transformer oil filtration	1.00	Nos	37380.00	37380.00
214	MR	Topping of oil for transformers	40.00	Ltr	302.00	12080.00
215	MR	Maintenance of 500 KVA Distribution Transformer HT/LT swich gears and equipments for the year 2018-19 - Servicing gasket and two worn out insulation including replacement of breathers and silica jet for transformer	1.00	Job	38888.00	38888.00
216	MR	Maintenance of 500 KVA Distribution Transformer HT/LT swich gears and equipments for the year 2018-19- Testing of oils for BDV and Acidity Test for transformer oil	1.00	Job	3830.00	3830.00
217	MR	Maintenance of HT/LT swich gears and equipments 11 KV VCB servicing of worn out gasket, repair of mechanism calibration of Voltmeter and Ammeter CT and PT chekcing of damaged wires and connections and Primary injection test	1.00	Job	32592.50	32592.50

S. No	DSR No.	Description of Item	Qty	Unit	Rate	Total
218	MR	Conducting Harmonic distortion Testing with all required Testing equipments, Tools& Plants and issue of testing reports as per TNEB regulation for the entire system.	1.00	Nos	49781.00	49781.00
219	MR	ACB ,LT Switch Gears servicing replacement of worn out gskets, checking of contacts repairing of trip mechanism	1.00	Job	13090.00	13090.00
220	MR	Supply of indicator lamps for HT/LT panels	6.00	Job	2492	14952.00
221	MR	Supply of HV Rubber hand gloves	3.00	Pair	1312.00	3936.00
222	MR	Supply and provision of high voltage rubber mats at control room (XX sq.m)	5.00	Nos	3869.00	19345.00
223	MR	Over Hauling of HT Transformer Panel Board	1.00	Nos	24264.00	24264.00
224	MR	Replacing of Potential Transformer, including Testing and Commisioning, etc.,	1.00	Nos	40003.00	40003.00
225	MR	Over Healing of HT VCB Panel Board	1.00	Nos	28855.00	28855.00
226	MR	Replacing of Vaccum interuppter bottles of 2000A including Testing and Commisioning, etc.,	1.00	Nos	36724.00	36724.00
227	MR	Replacing of Auxilary Switches in VCB	3.00	Nos	6296.00	18888.00
228	MR	Dismantling, rewinding , replacement of bearing shaft, impellors, bolts/nuts and re-assembling of mono block submersable pump sets- 5 HP	1.00	Nos	9837.00	9837.00
229	MR	Dismantling, rewinding , replacement of bearing shaft, impellors, bolts/nuts and re-assembling of mono block submersable pump sets- 7.5 HP	1.00	Nos	12722.00	12722.00
230	MR	7.50 HP Dismantling, rewinding , replacement of bearing shaft, impellors, bolts/nuts and re-assembling of Submersible bore well motor pump sets	1.00	Nos	20592	20592.00
231	MR	Removing and taking out the submersible Motor from the existing borewell upto 150 metres depth for repairing and servicing and Reinstallation, testing etc., complete for motor - upto 7.5 HP	2.00	Job	8656	17312.00
232	MR	Removing and refixing of suitable thrust bearing for submersible pumpset upto 7.5 HP for borewell	4.00	Nos	2203	8812.00
233	MR	Supplying and fixing of 4 Sqmm 3 core flat wire	40.00	Mtr	216.00	8640.00
234	MR	Supplying and fixing of HDPE hose pipe for submersible pump- 50mm dia	20.00	Mtr	184.00	3680.00

S. No	DSR No.	Description of Item	Qty	Unit	Rate	Total
235	MR	Supplying and fixing of HDPE hose pipe for submersible pump- 65mm dia	20.00	Mtr	236.00	4720.00
236	MR	Supplying and fixing of SS nipple for connecting HDPE(High density Polyethylene) hose- 50mm dia	2.00	Nos	485.00	970.00
237	MR	Supplying and fixing of SS nipple for connecting HDPE hose- 65mm dia	2.00	Nos	721.00	1442.00
238	MR	DOL starter 0.5 HP to 7.5 HP with relay range 0.63A to 13A. Make Siemens/L&T	1.00	Nos	9115.00	9115.00
239	MR	4 HP to 15 HP with relay range 2.5A to 13A fully automatic star delta starters with SPP future Make. Siemens/L&T/BCH	1.00	Nos	15345.00	15345.00
240	MR	Supply of Drinking waer load having capacity 9000 liters including loading, unloading, conveyance etc.	10.00	Load	1597.00	15970.00
241	MR	Supply and fixing of new 24V battery for the existing DG Sets.	2.00	Nos	32134.00	64268.00
242	MR	Repair and Maintenance of Air Conditioners : Supply and filling of Refrigerant Gas	10.00	Kg	1289.00	12890.00
243	MR	Charges for shifting of Acs	2.00	Nos	3017.00	6034.00
244	MR	Supplying and fixing of 5/8 & 3/8 valve	10.00	Nos	965.00	9650.00
245	MR	Replacing 5/8 & 3/8 Copper pipe including insulation etc	10.00	Mtr	1213.00	12130.00
246	MR	Supplying and fixing of Indoor swing motor for Split AC units	5.00	Nos	3741.00	18705.00
247	MR	Charges for replacement of 1.5 Ton Compressors for Air Conditioner make : Kirlosker	1.00	Nos	19215.00	19215.00
248	MR	Charges for replacement of 2 Ton Compressors for Air Conditioner make : Kirlosker	1.00	Nos	22756.00	22756.00
249	MR	150 Watts Fan motor for 1.5 Ton AC Kirlosker	1.00	Nos	7264.00	7264.00
250	MR	50 mfd starting capacitor for 1.5 Ton Air Conditioner	2.00	Nos	1119.00	2238.00
251	MR	Relay for 1.5/2 Ton Air Conditioner	2.00	Nos	502.00	1004.00
252	MR	50 mfd running capacitor for 1.5 Ton Air Conditioner	10.00	Nos	800.00	8000.00
253	MR	4 mfd fan motor capacitor for 2 Ton Air Conditioner	10.00	Nos	555.00	5550.00
254	MR	Charges for repairing and servicing of power circuit board	4.00	Nos	4606.00	18424.00
255	MR	Charges for leak gas leak test and arresting after vaccumizing and pressure testing after rectification for condenser unit	5.00	Nos	2885.00	14425.00

S. No	DSR No.	Description of Item	Qty	Unit	Rate	Total
256	MR	Charges for leak gas leak test and arresting after vaccumizing and pressure testing after rectification for indoor unit	5.00	Nos	3541.00	17705.00
257	MR	Charges for Replacing Coil sensor	10.00	Nos	345.00	3450.00
258	MR	Charges for Replacing Contactor	5.00	Nos	3699.00	18495.00
259	MR	supplying and Providing new AC Remotes controls	4.00	Nos	1782.00	7128.00
260	MR	Charges for Replacing Blower	2.00	Nos	6045.00	12090.00
261	MR	Charges for Replacing Display Unit	2.00	Nos	2011.00	4022.00
262	MR	Removing the indoor units and checking and serveicing Blower and coil sensor and re-installation of indoor AC units	2.00	Nos	2042.00	4084.00
263	MR	Replacing 1/2 & 1/4 Copper pipe including insulation etc	10.00	Mtr	1650.00	16500.00
264	MR	Labour and Transport Charges (For Supply of Diesel, the Actual cost of diesel against bill will be reimbrused)	57440.00	Ltr	2.60	149344.00

ABSTRACT OF SCHEDULE

Name of the Contractor :

Sl.No	Abstract of Schedule	Amount
1	Civil - DSR Item Total	3368805.76
2	Civil - SSR & MR Total	392667.96
3	Civil - Labour Total	2749524
4	Electrical - DSR Item Total	229555
5	Electrical - SSR & MR Total	1676320.93
6	Electrical - Labour Total	9018108
7	Civil and Electrical - Total	17434981.65
8	Labour Cess @ 1%	174349.82
	Value put into Tender (rounded up)	17609332

Minus _____ % (or) AT PAR the estimated cost (or) Plus _____ %

Quoted percentage in words _____ Only

(Bidder is to quote / select any one of the above, clearly striking out the others. The offer will be summarily rejected if found conflicting)

Note :

1. The Percentage rate quoted by the tenderer shall be firm and fixed.
2. The Estimated Cost Put to Tender has been worked out by taking into consideration of prevailing Cost Index for the particular zone, DSR 2016 for Civil items, DSR 2018 for electrical items and SSR 2018 (Civil & Electrical) and also considering the Market Rates.
3. The Percentage shall be typed only in figures upto 2 (two) places of decimal along with algebraic sign.

S. No	DSR No.	Description of Item	Qty	Unit	Rate	Total
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Signature of the contractor