

ABSTRACT OF SCHEDULE

Name of Work: Annual Repairs And Maintenance (Civil & Electrical) Works To Hosipital Buildings And Staff Quarters In Esi Hosipital, Sivakasi For The Year 2019-20.

Name of the Contractor :

Sl.No	Abstract of Schedule	Amount
01	Civil - DSR Item Total	2930224.08
02	Civil - SSR & MR Total	127590.87
03	Civil - Labour Total	746052.00
04	Electrical - DSR Item Total	239030.00
05	Electrical - SSR & MR Total	477359.45
06	Electrical - Labour Total	443700.00
07	Civil and Electrical - Total	4963956.40
08	Labour Cess @ 1%	49639.56
	Value put into Tender (rounded up)	5013596.00

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.

Signature of the contractor

ANNUAL REPAIRS AND MAINTENANCE (CIVIL & ELECTRICAL) WORKS TO HOSIPITAL BUILDINGS AND STAFF QUARTERS IN ESI HOSIPITAL, SIVAKASI FOR THE YEAR 2019-20

ABS

Item No	DSR Item No.	Description	Qty	units	DSR rate	Total
SH		EARTH WORK				
1	1.1.1	Carriage of materials Lime, Morrur, building rubbish 15 Km	11.35	cum	198.38	2251.61
2	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 up to 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	51.00	cum	166.40	8486.40
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 up to 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 80 mm dia but not exceeding 300 mm dia	80.00	metre	225.45	18036.00
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.	30267.34	sqm	7.20	217924.85

5	2.33.1	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 30 cm girth upto and including 60 cm girth	3.00	Each	219.20	657.60
6	2.33.3	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 120 cm girth upto and including 240 cm girth	3.00	Each	4504.25	13512.75
CONCRETE WORK:						
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)	3.50	cum	5481.95	19186.83
8	4.1.10	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level: 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size)	5.25	cum	4209.05	22097.51
9	4.3.1	Centering and shuttering including strutting, propping etc. and removal of form work for : Foundations, footings, bases for columns	3.50	sqm	193.95	678.83
10	4.3.2	Retaining walls, return walls, walls (any thickness) including attached pilasters, buttresses, plinth and string courses fillets, kerbs and steps etc.	76.50	sqm	378.60	28962.90
REINFORCED CEMENT CONCRETE:						
11	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)	1.76	cum	5772.65	10159.86

12	5.14	Providing, hoisting and fixing up to floor five level precast reinforced cement concrete in mouldings as in cornices, windows sills etc. including setting in cement mortar 1:3 (1 cement : 3 coarse sand) cost of required centering, shuttering but excluding the cost of reinforcement, with 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size).	1.48	cum	10526.00	15578.48
13	5.18.1	Providing precast cement concrete Jali 1:2:4 (1 cement : 2 coarse sand(zone-III) : 4 graded stone aggregate 6mm nominal size), reinforced with 1.6 mm dia mild steel wire, including centering and shuttering, roughening cleaning, fixing and finishing with cement mortar 1:3 (1 cement: 3 fine sand) etc. complete, excluding plastering of the jambs,sills and soffits.50 mm thick	3.60	sqm	814.55	2932.38
14	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	226.80	kilogram	56.60	12836.88
BRICK WORK:						
15	6.1.2	Brick work with common burnt clay Non-modular bricks of class designation 7.5 in foundation and plinth in : Cement Mortar 1:6 (1 cement : 6 coarse sand)	7.82	cum	4751.65	37157.90
16	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)	5.89	cum	5582.85	32882.99
17	6.12.2	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundations and plinth in : Cement mortar 1:4 (1 cement : 4 coarse sand)	8.10	sqm	593.50	4807.35
18	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)	12.60	sqm	684.20	8620.92
MARBLE & GRANITE WORK						

19	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	12.32	sqm	3113.30	38355.86
20	8.3.2	Providing edge moulding to 18 mm thick marble stone counters, Vanities etc., including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-Charge. Granite work	11.00	metre	245.70	2702.70
SH	WOOD AND PVC WORK:					
21	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). Sal wood	0.03	cum	85386.95	2561.61
22	9.5.3.1	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. Kiln seasoned selected planks of sheesham wood 35 mm thick shutters	3.78	sqm	2500.15	9450.57

23	9.5.3.2	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. Kiln seasoned selected planks of sheesham wood 30 mm thick shutters	3.78	sqm	2237.40	8457.37
24	9.7.3.1	providing and fixing panelling or panelling and glazing in panelled or panelled and glazed shutters for door ,window and clerestory windows.(area of opeaning for panel inserts excluding portion inside grooves or rebates to be measured). Ply wood 5 ply, 9 mm thick decorative plywood both side	1.78	sqm	1643.70	2925.79
25	9.18.1	Providing and fixing Pre-laminated flat pressed 3 layer (medium density) particle board or graded wood particle board IS : 3087 marked, with one side decorative and other side balancing lamination Grade I, Type II exterior grade IS : 12823 marked, in shelves with screws and fittings wherever required, edges to be painted with polyurethane primer (fittings to be paid separately). 18 mm thick	3.38	sqm	990.50	3347.89
26	9.20.1	Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) decorative type, core of block board construction with frame of 1 st class hard wood and well matched teak 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters. 35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	3.78	sqm	2488.95	9408.23
27	9.48.1	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 steel windows by welding	47.34	kg	104.65	4954.13

28	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	47.34	kg	112.45	5323.38
29	9.51.1	Providing and fixing fly proof galvanized M.S. wire gauge to windows and clerestory windows using wire gauge with average width of aperture 1.4 mm in both directions with wire of dia 0.63 mm all complete. With 2nd class teak wood beading 62X19 mm	10.92	sqm	846.45	9243.23
30	9.56.1	Providing and fixing ISI marked, IS : 1341, M.S. heavy weight butt hinges with necessary screws etc. complete : 125x90x4.00 mm	15.00	each	42.05	630.75
31	9.56.2	Providing and fixing ISI marked, IS : 1341, M.S. heavy weight butt hinges with necessary screws etc. complete : 100x75x3.50 mm	15.00	each	34.95	524.25
32	9.56.3	Providing and fixing ISI marked, IS : 1341, M.S. heavy weight butt hinges with necessary screws etc. complete : 75x60x3.10 mm	15.00	each	25.45	381.75
33	9.56.4	Providing and fixing ISI marked, IS : 1341, M.S. heavy weight butt hinges with necessary screws etc. complete : 50x40x2.50 mm	15.00	each	14.55	218.25
34	9.66.1	Providing and fixing ISI marked oxidised M.S. handles conforming to IS:4992 with necessary screws etc. complete : 125 mm	10.00	each	28.60	286.00
35	9.84	Providing and fixing 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 kg to 80 kg and door width from 701 mm to 1000 mm), with double speed adjustment with necessary accessories and screws etc. complete.	5.00	each	388.40	1942.00

36	9.97.1	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: 300x10 mm	15.00	each	99.70	1495.50
37	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	15.00	each	88.10	1321.50
38	9.97.3	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: 200x10 mm	15.00	each	76.15	1142.25
39	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	15.00	each	64.30	964.50
40	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:100x10 mm	15.00	each	49.20	738.00
41	9.101.1	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. Single rubber stopper	9.00	each	27.55	247.95

42	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 5 mm 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 Engineer-in-Charge.	2.10	metre	438.75	921.38
43	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	22.61	sqm	2768.10	62586.74
STEEL WORK:						

44	10.3	Providing and fixing in position collapsible steel shutters with vertical channels 20x10x2 mm and braced with flat iron diagonals 20x5 mm size, with top and bottom rail of T-iron 40x40x6 mm, with 40 mm dia steel pulleys, complete with bolts, nuts, locking arrangement, stoppers, handles, including applying a priming coat of approved steel primer.	17.28	sqm	5360.65	92632.03
FLOORING:						
45	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 @ 3.3 kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.	292.95	sqm	744.80	218189.16
46	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), including pointing the joints with white cement and matching pigment etc., complete.	87.90	sqm	688.35	60505.97
47	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), including grouting the joints with white cement and matching pigments etc., complete. Size of Tile 600x600 mm	412.00	sqm	1119.40	461192.80
ROOFING:						

48	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.	61.25	sqm	438.45	26855.06
49	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	16.00	metre	148.75	2380.00
50	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	55.00	metre	236.35	12999.25
51	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	12.00	each	102.65	1231.80
52	12.42.2.2	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 pushfit Coupler 110 mm	12.00	each	94.55	1134.60
53	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	6.00	each	181.55	1089.30

54	12.42.4.2	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 without door 110x110x110 mm	12.00	each	167.60	2011.20
55	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	8.00	each	113.10	904.80
56	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	12.00	each	98.00	1176.00
57	12.42.5.1	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) 75 mm bend	9.00	each	76.55	688.95
58	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	20.00	each	182.55	3651.00

59	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	25.00	each	181.40	4535.00
FINISHING:						
60	13.4.2	12 mm cement plaster of mix: 1:6 (1 cement : 6 coarse sand)	68.00	sqm	168.25	11441.00
61	13.5.2	15 mm cement plaster of mix: 1:6 (1 cement : 6 coarse sand)	25.20	sqm	194.60	4903.92
62	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	3600.00	Sqm	68.95	248220.00
REPAIRS TO BUILDING:						
63	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 within 50 metres lead: With cement mortar 1:4 (1 cement : 4 coarse sand)	49.92	sqm	264.80	13218.82
64	14.6.1	Renewing glass panes, with wooden fillets wherever necessary : Float glass panes of thickness 4 mm	9.60	sqm	852.60	8184.96
65	14.12	Providing and fixing 16 mm M.S. Fan clamps of standard shape and size in existing R.C.C. slab, including cutting chase, anchoring clamp to reinforcement bar, including cleaning, refilling, making good the chase with matching concrete, plastering and painting the exposed portion of the clamps complete.	5.00	each	259.50	1297.50
66	14.42.2	White washing with lime to give an even shade: Old work (one or more coats)	212.32	sqm	6.30	1337.62
67	14.43	Removing white or colour wash by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete	3812.32	sqm	8.35	31832.87

68	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)	779.38	sqm	33.35	25992.32
69	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.	779.38	sqm	10.80	8417.30
70	14.54.1	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade: One or more coats on old work	221.55	sqm	51.30	11365.52
71	14.72	Providing and fixing double scaffolding system (cup lock type) on the exterior side, up to seven story height made with 40mm dia. M.S. tube 1.5m 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 Engineer-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.	219.00	Sqm	160.15	35072.85

72	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)	32220	litre	0.20	6444.00
73	14.79	Disconnecting damaged overhead/terrace PVC water storage tank of any size from water supply line and removing from the terrace including shifting at ground level as per direction of Engineer-in-charge.	1.00	each	182.45	182.45
74	14.82	Dismantling W.C. Pan of all sizes including disposal of dismantled materials i/c malba all complete as per directions of Engineer-in- Charge.	1.00	each	55.45	55.45
75	14.84	Dismantling 15 to 40 mm dia G.I. pipe including stacking of dismantled pipes within 50 metres lead as per direction of Engineer- in-Charge. (a) Internal Work - Exposed on wall	40.00	RM	2.00	80.00
76	14.85	Taking out existing wooden door shutter, repair by cutting, painting etc. and refixing of repaired door shutters to existing door frames, including replacement of hinges with screws, etc. as required, all complete as per the direction of the Engineer-in-charge.	20	each	176.40	3528.00
DISMANTLING AND DEMOLISHING:						

77	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.	0.59	cum	1454.55	858.18
78	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	2.65	cum	842.75	2233.29
79	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	13.00	each	61.25	796.25
80	15.13.2	Taking out doors, windows and clerestory window shutters (steel or wood) including stacking within 50 metres lead: Of area beyond 3 sq. metres	9.00	each	81.00	729.00
81	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	61.25	sqm	49.20	3013.50
82	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.	792.85	sqm	22.40	17759.84
83	15.57	Dismantling aluminium/ Gypsum partitions, doors, windows, fixed glazing and false ceiling including disposal of unserviceable surplus material and stacking of serviceable material with in 50 meters lead as directed by Engineer-in-charge	23.92	sqm	24.30	581.26
84	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.	78.30	cum	120.55	9439.07
ROAD WORK:						
85	16.3.10	Supplying and stacking at site Moorum	25.50	cum	643.20	16401.60

86	16.91.2	Providing and laying factory made chamfered edge Cement Concrete paver blocks In foot path, park & lawns driveway or light & traffic parking etc. of required strength, thickness & size/ shape, made by table vibratory method using PU mould, laid in required colour & pattern over 50mm thick compacted bed of course sand, compacting and proper embedding/laying of inter locking paver blocks into the sand bedding layer through vibratory compaction by using plate vibrator, filling the joints with sand and cutting of paver blocks as per required size and pattern, finishing and sweeping extra sand, all complete as per manufacturer's specifications & direction of Engineerin-Charge. 80mm thick Cement concrete paver block of M-30 grade with approved colour, design & pattern	30.00	Sqm	638.95	19168.50
SANITARY INSTALLATIONS:						
87	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, 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	10.00	each	3494.20	34942.00
88	17.2.2	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 black solid plastic seat and lid	6.00	each	3395.45	20372.70

89	17.7.2	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 single 15 mm C.P. brass pillar tap	5.00	each	2020.60	10103.00
90	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 board 510x1040 mm bowl depth 250 mm	9.00	each	4120.80	37087.20
90	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	15.00	Mtr	73.25	1098.75
91	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.	5.00	each	817.95	4089.75
92	17.69.2	Providing and fixing PTMT Waste Coupling for wash basin and sink, of approved quality and colour. Waste coupling 38 mm dia of 83 mm length and 77mm breadth, weighing not less than 60 gms	3.00	each	98.80	296.40
93	17.73.1	Providing and fixing PTMT towel rail complete with brackets fixed to wooden cleats with CP brass screws with concealed fitting arrangement of approved quality and colour. 450MM long towel rail with total length of 495mm, 78mm wide and effective height of 88mm, weighing not less than 170gms.	5.00	No.	390.20	1951.00
WATER SUPPLY:						

94	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. Internal work - Exposed on wall 40 mm nominal outer dia Pipes	17.00	metre	385.50	6553.50
95	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. Internal work - Exposed on wall 50 mm nominal outer dia Pipes	22.00	metre	548.55	12068.10
97	18.8.1	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 wall etc. 15 mm nominal outer dia pipes	10.00	metre	246.20	2462.00

98	18.8.2	<p>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.</p> <p>Concealed work, including cutting chases and making good the wall etc. 20 mm nominal outer dia pipes</p>	14.00	metre	284.85	3987.90
99	18.8.3	<p>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.</p> <p>Concealed work, including cutting chases and making good the wall etc. 25 mm nominal outer dia pipes</p>	95.00	metre	333.60	31692.00
100	18.8.4	<p>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.</p> <p>Concealed work, including cutting chases and making good the wall etc. 32 mm nominal outer dia Pipes</p>	13.00	metre	412.90	5367.70
101	18.12.6	<p>Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. 50 mm dia nominal bore</p>	25.00	metre	342.70	8567.50

102	18.17.1	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) : 25 mm nominal bore	3.00	each	428.20	1284.60
103	18.17.2	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) : 32 mm nominal bore	3.00	each	500.75	1502.25
104	18.17.3	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) : 40 mm nominal bore	3.00	each	584.70	1754.10
105	18.17.4	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) : 50 mm nominal bore	3.00	each	749.90	2249.70
106	18.18.3	Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete: 25 mm nominal bore	5.00	each	331.95	1659.75
107	18.48	Providing and placing on terrace (at all floor levels) polyethylene water storage tank ISI : 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.	1000.00	per litre	7.25	7250.00
108	7257	C.P. Brass bibcock 15 mm	40.00	each	300.00	12000.00
109	7260	C.P. Brass stop cock (concealed) 15 mm	21.00	each	450.00	9450.00
110	7261	C.P. Brass angle valve 15 mm	21.00	each	390.00	8190.00
111	7501	PTMT Swiveling shower 15 mm	5.00	each	75.00	375.00
DRAINAGE:						
112	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 300x300 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	3.00	each	1602.40	4807.20

113	19.7.1.1	Constructing brick masonry manhole in cement mortar 1:4 (1 cement : 4 coarse sand) 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 40mm nominal size) inside plastering 12mm 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 20mm nominal size) finished with a floating coat of neat cement complete as per standard design : Inside size 90x80 cm and 45 cm deep excluding C.I. cover with frame With common burnt clay F.P.S.(non modular) bricks of class designation 7.5	8.00	each	8634.10	69072.80
114	19.19.1.1	Providing and fixing in position pre-cast R.C.C. manhole cover and frame of required shape and approved quality. L D - 2.5 Rectangular shape 600x450 mm internal dimensions	8.00	each	1073.05	8584.40
ALUMINIUM WORK:						

115	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)	9.24	kg	355.20	3282.05
116	21.1.2.1	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)	9.60	kg	415.05	3984.48
117	21.2.1	Providing and fixing 12 mm thick prelaminated 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	8.82	sqm	826.35	7288.41

118	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	9.90	sqm	1003.95	9939.11
119	21.13	Providing and fixing 100 mm brass locks (best make of approved quality) for aluminium doors including necessary cutting and making good etc. complete.	3.00	each	359.00	1077.00
		Total (DSR items)				2335025.96
SH	MARKET RATE ITEMS					
120	MR	Cleaning of septic tanks by pumping out/removal of the sludge and sewage with mechanically operated vacuum based septic tank cleaner including disposal of sludge far away from the ESIC campus by mechanical transportation using covered tanks without disturbing the public life etc. complete as per the direction of the Engineer-in-charge.	50.00	load	1720.00	86000.00
121	MR	Supplying and fixing cuddappah slab 40mm thick including cost of conveyance and labour charge	9.45	sqm	1311.00	12388.95
122	MR	Providing and Laying Brick jelly lime concrete in ratio of 1:2 (One part slaked lime powder and two parts 25mm downgrade brick jelly) to the required slope upto floor five level	5.44	cum	5368.00	29201.92
		Total amount (Non schedule items - MR)				127590.87
SH	LABOUR COMPONENTS					
123		Labour charges for maintaining day to day maintenance works at Offices, Dispensaries and residential quarters and attending to repairs with the maintenance staff with all helpers tools and plants as directed by the Engineer-in-charge as below				
a		Supervisor -1	12.00	month	25196.00	302352.00
b		Plumber -1	12.00	month	21650.00	259800.00
c		Helper - 1	12.00	month	15325.00	183900.00
					Total	746052.00
		Total Civil Items				3803866.95

ELECTRICAL (DSR & MR)						
SH	WIRING					
124	1.8.2	Wiring for light point/fan point/call bell point with 1.5 sqmm 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 B	90.00	Point	759.00	68310.00
125	1.14.1	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/recessed medium class PVC conduit as required 2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	200.00	Mtr	146.00	29200.00
126	1.14.2	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS 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	195.00	Mtr	167.00	32565.00
127	1.14.3	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/recessed medium class PVC conduit as required 2 X 4 sq. mm + 1 X 4 sq. mm earth wire	110.00	Mtr	200.00	22000.00
128	1.14.9	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/recessed medium class PVC conduit as required 4 X 6 sq. mm + 2 X 6 sq. mm earth wire	60.00	Mtr	394.00	23640.00
129	1.21.2	Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required. 25 mm	25.00	Mtr	90.00	2250.00
130	1431	Supplying and fixing following piano type switch/ socket on the existing switch box/ cover including connections etc. as required. 5/6 A switch	15.00	each	10.00	150.00

131	1434	Supplying and fixing following piano type switch/ socket on the existing switch box/ cover including connections etc. as required. 3 pin 5/6 A socket outlet	15.00	each	19.20	288.00
132	1435	Supplying and fixing following piano type switch/ socket on the existing switch box/ cover including connections etc. as required. 6 pin 15/16 A socket outlet	10.00	each	60.00	600.00
133	1.25	Supplying and fixing two module stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required.	10.00	each	342.00	3420.00
134	1.58	Supplying and fixing PVC batten/ angle holder including connections etc. as required.	20.00	each	90.00	1800.00
	SH	MCCB, MCB & DB's				
135	2.3.1	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 volts, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator) 2 + 4 way/ 6way , Double door	5.00	each	1661.00	8305.00
136	2.10.1	Supplying and fixing 5 Amp to 32 Amps rating 240/415 volts c-curve miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connection, testing and commissioning etc as required Single Pole (2 x 6 + 5 x 4)	30.00	each	199.00	5970.00
137	2.10.3	Supplying and fixing 5 Amp to 32 Amps rating 240/415 volts c-curve miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connection, testing and commissioning etc as required Double Pole (2 x 1 + 5 x 1)	10.00	each	556.00	5560.00
	SH	EARTHING				

138	5.1	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. (but without charcoal/ coke and salt) as required.	4.00	Set	4033.00	16132.00
	SH	MV CABLE LAYING				
139	7.1.1	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc as required. Upto 35 sq. mm	40.00	Mtr	323.00	12920.00
140	9.3.8	Supplying and making straight through joint with cast resin compound including ferrules and other jointing materials for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 kV grade as required. 3 X 50 sq. mm	2.00	Nos	2960.00	5920.00
		Total amount (Electrical DSR)				239030.00
SH		SSR RATE ITEMS (Elect)				
141	SD 37	Wiring with 2 x 1.5 sqmm(22/0.3) PVC insulated SC unsheathed Cu conductor of 1100 V grade in suitable PVC rigid pipe on wall and ceiling with PVC accessories with 150x100x113 mm T.W. switch box inflush with wall with 3mm thick Hylem sheet cover for 5 A 3 pin non inter locking CS plug with painting of suitable colour with continuous earth wire connection for 14 SWG TC wire for open PVC plug point	30.00	each	744.00	22320.00
142	SD 39	Wiring with 2 x 4 sqmm(56/0.3) PVC insulated SC unsheathed cu conductor cable of 1100 V grade in suitable pipe on wall and ceiling with PVC accessories with 150 mm x 100 mm x 63 mm TW switch box for 15A 3 pin non interlocking CS plug with painting of suitable colour, with continuous earth wire connection of 14 SWG TC wire for open PVC power plug point	25.00	each	1008.00	25200.00
143	SD 65	Supply and run of 2 of 4 sqmm(56/0.3) PVC insulated sc unsheathed copper conductor of 1100V on 7/20 GI bearer wire for service connection mains	100.00	metre	92.00	9200.00

144	SD 70	Supply and run of 2 of 4 sqmm(56/0.3) PVC insulated sc unsheathed copper conductor of 1100V grade in 25 mm dia GI Pipe (class B) suitably bent at both ends with necessary angle iron upright and end supports for mains	30.00	metre	429.00	12870.00
145	SD 88	Supply and fixing of single box type 4'40 W flu fitting complete with copper choke and condensor with TW round blocks on wall or ceiling with flu tube with PVC unsheathed Copper leads from terminals to the fitting.	48.00	each	475.00	22800.00
146	SD105	Supply and fixing of AC/DC 76mm Buzzer/call bell suitable for 230V 50 c/s single phase AC supply for suitable TW board with push switch	3.00	each	524.00	1572.00
147	SD 106	Supply and fixing of 1200 mm (48") sweep AC ceiling fan complete with stepped electronic 300W regulator, with 1 metre down rod with fan clamp with side plates and cross arm of size 450 mm (18")	20.00	each	1764.00	35280.00
148	SD114	Supply and fixing of 300 mm sweep (light duty) AC exhaust fan complete with necessary wall opening and making good of the wall	1.00	each	1604.00	1604.00
149	SD 142	Supply and fixing of 16Amps DP switch of 500 with metal clad with fuse and neutral (side handle) on suitable TW board with earth connection only	5.00	each	671.00	3355.00
150	SSR A-3d	Supply and fixing of 36 watt, CFL (TCL) Lamp	30.00	Nos	127.90	3837.00
151	SSR A-4b	Tube Light Bulb 40 W - 4ft	60.00	Nos	34.40	2064.00
152	SSR - 18b	Tubelight starter 40w	40.00	Nos	9.10	364.00
153	SSR - 15b	Copper Choke fixing	40.00	Nos	162.00	6480.00
		Total amount (Electrical SSR)				146946.00
SH	MARKET RATE ITEMS (Elect)					
154	MR	Supply and fixing of 40 Watt, LED Street Light fittings,	10.00	Nos	5400.00	54000.00
155	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	1.00	Nos	7082.51	7082.51

156	MR	charges for rewinding of submersible pumpset upto 7.5 Hp including lathe charges, cleaning, repainting, transportation etc., complete	1.00	Nos	8656.40	8656.40
157	MR	Removing and refixing of suitable thrust bearing for submersible pumpset upto 7.5 HP for borewell	1.00	set	2203.45	2203.45
158	MR	Removing and refixing of suitable shaft push set of four for submersible pumpset upto 7.5 HP for borewell	1.00	set	1888.67	1888.67
159	MR	Removing and taking out the repaired 48" ceiling fan. Servicing the same including rewinding and replacing of spares testing and refixing complete	27.00	Nos	635.85	17167.95
160	MR	Comprehensive monthly servicing & maintainace of window / split AC units complete with required Regrigerant gas and all spares & accessories complete	180.00	Job	774.30	139374.00
	SH	Repairs and Maintenance of 75 KVA DG set				
161	MR	Supply and fixing of Oil Seals and servicing of fuel solenoid	1.00	Nos	20091.70	20091.70
162	MR	Supply and fixing of Fuel filter for the existing DG set	2.00	Nos	333.40	666.80
163	MR	Supply and fixing of Oil filter for the existing DG set	1.00	Nos	533.52	533.52
164	MR	Supply and replacing Engine oil from the existing DG Set.	5.00	ltr	336.00	1680.00
165	MR	Supply and fixing of Battery terminals for 12 V batteries in DG Set complete	1.00	Nos	102.30	102.30
166	MR	Dismantling the radiator from the DG Set for repairing and refixing the same.	1.00	Nos	3179.26	3179.26
167	MR	Servicing and Repairing by replacing the required spares in the dismantled radiator testing after commissioning etc., complete	1.00	Nos	7082.51	7082.51
168	MR	Supply and fixing Air filter set required for the existing DG set complete	1.00	Nos	3840.00	3840.00
169	MR	Charges for monthly Maintenance of existing DG set of capacity upto 70 KVA complete. (Three numbers)	12.00	month	1573.89	18886.68
170	MR	Labour charges and transport charges (for supply of diesel, the actual cost against bill will be reimbursed)	2000.00	ltr	2.58	5152.00

171	MR	Charges for testing and recharging of 12V 21 plate battery in the existing DG Set.	1.00	Nos	3147.78	3147.78
172	MR	Supply and fixing of new 12V 21 plate battery for the existing DG Sets.	1.00	Nos	18044.40	18044.40
		Total amount (Electrical MR)				312779.93
SH	LABOUR COMPONENTS					
173		Labour charges for maintaining day to day maintenance works at Offices, Dispensaries and residential quarters and attending to repairs with the maintenance staff with all helpers tools and plants as directed by the Engineer-in-charge as below				
		Electrician -1	12.00	month	21650.00	259800.00
		Helper - 1	12.00	month	15325.00	183900.00
		Total amount (Labour)				443700.00
		Total Civil Items				1160089.45
		Total Civil and Electrical Items				4963956.40

JUNIOR ENGINEER (CIVIL)

JUNIOR ENGINEER (ELECTRICAL)

EXECUTIVE ENGINEER (CIVIL) R.O CHENNAI