

**Name of work : ANNUAL REPAIRS AND MAINTENANCE OF (CIVIL & ELECTRICAL) WORKS TO ESI HOSPITAL  
AT VARADHARAJAPURAM, COIMBATORE FOR THE YEAR OF 1st APRIL 2019 TO 31st MARCH 2020.**

**Financial Bid**

<b>S. No</b>	<b>DSR 2016</b>	<b>Description</b>	<b>Unit</b>	<b>QTY</b>	<b>Rate</b>	<b>Amount</b>
1	1.1	Carriage of materials by machanical transport including loading, unloading and Stacking				
	1.1.2	Lead 15 Km earth	Cum	103.312	248	25621.376
2	2.31	Clearing jungle including uprooting of rank vegetation, grass, brush wood, trees and saplings of girth up to 30 cm measured at a height of 1 m above ground level and removal of rubbish up to a distance of 50 m outside the periphery of the area cleared	Sqm	4636.68	7.2	33384.096
3	8.1	Providing and fixing stone slab rubbed, edges and rounded and polished of size 75 x 50 cm deep and 1.8 cm thick fixed in urinal partitions by cutting a chase of appropriate width with chase cutter and embedding stone in the chase with epoxy grout or with cement concrete 1:2:4 as per direction of Engineer in-charge and finished smooth granite stone of approved shade etc. complete.				
	8.10.2	Granite Stone of approved shade	Sqm	17.28	2831.95	48936.096
4	9.46	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:				
	9.46.2	20 mm dia	Mtr	424	359.3	152343.2
5	9.103	Providing and fixing bright finished brass 100 mm mortice latch and lock, ISI marked, with six levers and a pair of anodised (anodic coating not less than grade AC 10 as per IS : 1868) aluminium lever handles of approved quality with necessary screws etc. complete.	Each	12	622.15	7465.8
6	11.41	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3kg/sqm including grouting the joints with white cement and matching pigments etc., complete.				
	11.41.2	Vitrified tiles laid and pasted over existing floor tiles Size of Tile 600x600 mm	Sqm	166.25	1119.4	186100.25

S. No	DSR 2016	Description	Unit	QTY	Rate	Amount
7	11.46	Providing and laying Vitrified tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), jointing with grey cement slurry @ 3.3kg/sqm including grouting the joint with white cement & matching pigments etc. complete				
	11.46.2	Size of Tile 600x600 mm	Sqm	166.25	1135.2	188727
8	12.41	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.				
8.1	12.41.1	75 mm diameter	RM	6	148.75	892.5
8.2	12.41.2	110 mm diameter	RM	30	236.35	7090.5
9	12.42	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.				
9.1	12.42.1.2	Coupler 110 mm dia	Each	9	102.65	923.85
9.2	12.42.3.2	Single tee with door - 110x110x110 mm	Each	9	181.55	1633.95
9.3	12.42.5.2	Bend 87.5° - 110 mm bend	Each	8	113.1	904.8
9.4	12.42.6.2	Shoe (Plain) 110 mm Shoe	Each	7	98	686
10	12.43	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.				
10.1	12.43.1	75 mm	Each	9	182.55	1642.95
10.2	12.43.2	110 mm	Each	7	181.4	1269.8

S. No	DSR 2016	Description	Unit	QTY	Rate	Amount
11	12.45	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, at 1200 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 0.5 mm thick 27 mm high having flanges of 20 mm and 30 mm long, the perimeter of ceiling fixed to wall/partition with the help of rawl plugs at 450 mm centre, with 25mm long dry wall screws @ 230 mm interval, including fixing of gypsum board to ceiling section and perimeter channel with the help of dry wall screws of size 3.5 x 25mm at 230 mm c/c, including jointing and finishing to a flush finish of tapered and square edges of the board with recommended jointing compound, jointing tapes, finishing with jointing compound in 3 layers covering upto 150 mm on both sides of joint and two coats of primer suitable for board, all as per manufacturer's specification and also including the cost of making openings for light fittings, grills, diffusers, cutouts made with frame of perimeter channels suitably fixed, all complete as per drawings, specification and direction of the Engineer in Charge but excluding the cost of painting with :				
	12.45.1	12.5 mm thick tapered edge gypsum plain board conforming to IS: 2095- Part I	Sqm	28	806.2	22573.6
12	12.54.2	Providing and fixing GI Clip in Metal Ceiling System of 600x600 mm module which includes providing and fixing 'C' wall angle of size 20x30x20 mm made of 0.5 mm thick pre painted steel along the perimeter of the room with help of nylon sleeves and wooden screws at 300 mm center to centre, suspending the main C carrier of size 10x38x10 mm made of G.I steel 0.7 mm thick from the soffit with help of soffit cleat 37x27x25x1.6 mm, rawl plugs of size 38x12 mm and C carrier suspension clip and main carrier bracket at 1000 mm c/c. Inverted triangle shaped Spring Tee having height of 24 mm and width of 34 mm made of GI steel 0.45 mm thick is then fixed to the main C carrier and in direction perpendicular to it at 600 mm centers with help of suspension brackets. Wherever the main C carrier and spring T have to join, C carrier and spring T connectors have to be used. All sections to be galvanized @ 120 gms/sqm (both side inclusive), fixing with clip in tiles into spring T with :GI Metal Ceiling Clip in plain Beveled edge global white color tiles of size 600x600 and 0.5 mm thick with 25 mm height, made of G I sheet having galvanizing of 100 gms/ sqm (both sides inclusive) and 20% perforation area with 1.8 mm dia holes and having NRC of 0.5, electro statically polyester powder coated of thickness 60 microns (minimum), including factory painted after bending and perforation.	sqm	16	1527.25	24436
13	13.5	Cement Plaster (In Coarse Sand)- 15 mm cement plaster on rough side of single or half brick wall of mix:				
	13.5.1	1:4 (1 cement : 4 coarse sand)	Sqm	28	209.65	5870.2
14	13.26	Providing and applying plaster of paris putty of 2 mm thickness over plastered surface to prepare the surface even and smooth complete.	Sqm	4071.433	118.7	483279.0971

<b>S. No</b>	<b>DSR 2016</b>	<b>Description</b>	<b>Unit</b>	<b>QTY</b>	<b>Rate</b>	<b>Amount</b>
15	14.6	Renewing glass panes, with wooden fillets wherever necessary:				
	14.6.2	Float glass panes of thickness 5.5 mm	Sqm	1.5	1113.25	1669.875
16	14.53	Wall painting with plastic emulsion paint of approved brand and manufacture to give an even shade:				
	14.53.1	One or more coats on old work	Sqm	4071.433	55.25	224946.6733
17	14.42	White washing with lime to give an even shade:				
	14.42.2	Old work (one or more coats)	Sqm	412.5	6.3	2598.75
18	14.46	Removing dry or oil bound distemper, water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete.	Sqm	4070.433	10.8	43960.6764
19	14.60	Re-lettering with black Japan paint of approved brand and manufacture.	per cm	30	1.7	51
20	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	Sqm	60.48	160.15	9685.872
	14.71	Varnishing with flatting varnish of approved brand and manufacture one or more coats on old work.	sqm	64	47.2	3020.8

S. No	DSR 2016	Description	Unit	QTY	Rate	Amount
21	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)	litre	4522442.32	0.2	904488.464
22	14.8	Providing & fixing White vitreous china water closet squatting pan (Indian type) along with "S" or "P" trap including dismantling of old WC seat and "S" or "P" trap at site complete with all operations including all necessary materials, labour and disposal of dismantled material i/c malba, all complete as per the direction of Engineer-in charge.				
	14.80.2	Orissa pattern W.C Pan of size 580x440 mm	each	4	2121.85	8487.4
23	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.	each	4	55.45	221.8
24	15.13	Taking out doors, windows and clerestory window shutters (steel or wood) including stacking within 50 metres lead :				
	15.13.1	Of area 3 sq. metres and below	Sqm	7.2	61.25	441
25	17.1	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:				
	17.1.1	White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests	Each	18	3494.2	62895.6

S. No	DSR 2016	Description	Unit	QTY	Rate	Amount
26	17.2	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				
	17.2.1	W.C. pan with ISI marked white solid plastic seat and lid	Each	13	3418.7	44443.1
27	17.7	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:				
	17.7.1	White Vitreous China Wash basin size 630x450 mm with a pair of 15 mm C. P. brass pillar taps	Each	21	2298.55	48269.55
28	17.23	Providing and fixing white vitrus china flat back or wall corner type lipped front urinal basin of 430 x 260x 350 mm or 340 x 410 x 265 mm sizes respectively	Each	11	930.75	10238.25
29	17.28	Providing and fixing P.V.C. waste pipe for sink or wash basin including PVC. waste fittings complete.				
	17.28.2	Flexible pipe				
	17.28.2.1	Flexible pipe - 32 mm dia	Each	99	73.25	7251.75
30	17.31	Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.	Each	11	817.95	8997.45
31	17.69	Providing and fixing PTMT Waste Coupling for wash basin and sink, of approved quality and colour.				
	17.69.1	Waste coupling 31 mm dia of 79 mm length and 62mm breadth weighing not less than 45 gms	Each	8	82.55	660.4
32	17.70	Providing and fixing PTMT Bottle Trap for Wash basin and sink.				
	17.70.2	Bottle trap 38 mm single piece moulded with height of 270 mm, effective length of tail pipe 260 mm from the centre of the waste coupling, 77 mm breadth with 25 mm minimum water seal, weighing not less than 263 gms	Each	28	305.55	8555.4
33	17.75	Providing and fixing PTMT 15 mm Urinal spreader size 95x69x100 mm with 1/2" BSP thread and shapes, weighing not less than 60 gms.	Each	22	106.5	2343

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34	18.7	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				
34.1	18.7.2	20mm nominal outer dia pipes	Mtr	77.2	179.95	13892.14
34.2	18.7.3	25 mm nominal outer dia pipes	Mtr	87.6	216.2	18939.12
34.3	18.7.5	40 mm nominal outer dia Pipes	Mtr	18.6	385.5	7170.3
34.4	18.7.6	50 mm nominal outer dia Pipes	Mtr	20	548.55	10971
35	18.8	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.				
	18.8.2	20 mm nominal outer dia pipes	Mtr	30	284.85	8545.5
36	18.9	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step CPVC solvent cement ,trenching ,refilling & testing of joints complete as per direction of Engineer in Charge.				
		External work				
36.1	18.9.2	20 mm nominal outer dia Pipes	Mtr	28.8	149.3	4299.84
36.2	18.9.3	25 mm nominal outer dia Pipes	Mtr	25.5	191.65	4887.075
36.3	18.9.4	32 mm nominal outer dia Pipes	Mtr	42.6	250.55	10673.43
36.4	18.9.5	40 mm nominal outer dia Pipes	Mtr	28.8	321.15	9249.12
36.5	18.9.6	50 mm nominal outer dia Pipes	Mtr	36	484.25	17433
36.6	18.9.7	62.50 mm nominal outer dia Pipes	Mtr	33	1081.75	35697.75
36.7	18.9.8	75 mm nominal outer dia Pipes	Mtr	31.1	1201.05	37352.655
36.8	18.9.9	100 mm nominal inner dia Pipes	Mtr	36	1618.1	58251.6
37	18.12	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. External work				
37.1	18.12.7	65 mm dia nominal bore	Mtr	4.5	451.7	2032.65
37.2	18.12.8	80 mm dia nominal bore	Mtr	4.8	576.3	2766.24
38	18.18	Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete:				

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	18.18.3	25 mm nominal bore	Each	33	331.95	10954.35
39	18.47	Providing and fixing G.I. Union in existing G.I. pipe line, cutting and threading the pipe and making long screws, including excavation, refilling the earth or cutting of wall and making good the same complete wherever required:				
39.1	18.47.3	25 mm nominal bore	Each	2	424.3	848.6
39.2	18.47.4	32 mm nominal bore	Each	2	459.15	918.3
39.3	18.47.5	40 mm nominal bore	Each	2	517.2	1034.4
39.4	18.47.6	50 mm nominal bore	Each	2	682.85	1365.7
39.5	18.47.7	65 mm nominal bore	Each	1	915.15	915.15
39.6	18.47.8	80 mm nominal bore	Each	4	996.45	3985.8
40	18.56.1	Providing and fixing PTMT pillar cock of approved quality and colour (15 mm nominal bore, 107 mm long, weighing not less than 110 gms)	Each	107	168.9	18072.3
41	18.58	Providing and fixing PTMT grating of approved quality and colour.				
	18.58.1	Circular type				
	18.58.1.1	100 mm nominal dia	Each	20	32.75	655
42	18.76	Cutting holes up to 30x30 cm in walls including making good the same:				
	18.76.1	With common burnt clay F.P.S. (non modular) bricks	Each	18	219.2	3945.6
43	19.4	Providing and fixing square-mouth S.W. gully trap class SP-1 complete with C.I. grating brick masonry chamber with water tight C.I. cover with frame of 300 x300 mm size (inside) the weight of cover to be not less than 4.50 kg and frame to be not less than 2.70kg as per standard design:				
	19.4.1	100x100 mm size P type				
	19.4.1.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	Each	6	1602.4	9614.4
44	21.2	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.				
	21.2.1	Pre-laminated particle board with decorative lamination on one side and balancing lamination on other side	Sqm	94.5	826.35	78090.075



S. No	DSR 2016	Description	Unit	QTY	Rate	Amount
45	21.3	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)				
	21.3.2	With float glass panes of 5.50 mm thickness	Sqm	108	1003.95	108426.6
46	26.27.1	Providing and fixing mineral fibre false ceiling tiles at all heights of size 595X595mm of approved texture, design and pattern. The tiles should have Humidity Resistance (RH) of 99%, Light Reflectance > 85%, Thermal Conductivity k = 0.052 - 0.057 w/m K, Fire Performance as per (BS 476 pt - 6 &7) in true horizontal level suspended on interlocking T-Grid of hot dipped all round galvanized iron section of 0.33 mm thick (galvanized @120 gsm ) comprising of main T runners of 15x32 mm of length 3000 mm, cross T of size 15x32mm of length 1200 mm and secondary intermediate cross T of size 15x32 mm of length 600 mm to form grid module of size 600x600 mm suspended from ceiling using galvanized mild steel item (galvanised @80gsm) 50 mm long 8mm outer diameter M-6 dash fasteners, 6 mm diameter fully threaded hanger rod upto 1000 mm length and L-shape level adjuster of size 85x25x2 mm, spaced With 16 mm thick beveled tegular	Sqm	60.48	1535	92836.8
		mineral fibre false ceiling tile (NRC 0.55 to 0.6) sqm 1535.0 at 1200 mm centre to centre along main 'T'. The system should rest on periphery walls /partitions with the help of GI perimeter wall angle of size24x24X3000 mm made of 0.40 mm thick sheet, to be fixed to the wall with help of plastic rawl plug at 450 mm centre to centre & 40 mm long dry wall S.S. screws. The exposed bottom portion of all T-sections used in false ceiling support system shall be prepainted with polyester baked paint, for all heights. The work shall be carried out as per specifications, drawings and as per directions of the engineer-in-charge.				
47	1927	Supply of Brass way valve with C.I. wheel of approved quality (screwed end) 25mm dia:	Each	12	350	4200
48	1928	Supply of Brass way valve with C.I. wheel of approved quality (screwed end) 32 mm dia:	Each	9	410	3690

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49	1929	Supply of Brass way valve with C.I. wheel of approved quality (screwed end) 40 mm dia:	Each	16	480	7680
50	1930	Supply of Brass way valve with C.I. wheel of approved quality (screwed end) 50 mm dia:	Each	9	620	5580
51	1931	Supply of Brass way valve with C.I. wheel of approved quality (screwed end) 65 mm dia:	Each	9	1080	9720
52	1932	Supply of Brass way valve with C.I. wheel of approved quality (screwed end) 80 mm dia:	Each	8	1620	12960
53	1933	Supply of Gunmetal non-return valve-horizontal (screwed end) 25 mm dia	Each	11	330	3630
54	1934	Supply of Gunmetal non-return valve-horizontal (screwed end) 32 mm dia	Each	13	450	5850
55	1935	Supply of Gunmetal non-return valve-horizontal (screwed end) 40 mm dia	Each	11	560	6160
56	1936	Supply of Gunmetal non-return valve-horizontal (screwed end) 50 mm dia	Each	13	820	10660
57	1937	Supply of Gunmetal non-return valve-horizontal (screwed end) 65 mm dia	Each	12	1490	17880
58	1938	Supply of Gunmetal non-return valve-horizontal (screwed end) 80 mm dia	Each	19	2120	40280
59	7257	Supply of CP Brass bib cock 15mm dia	Each	103	300	30900
60	7259	Supply of CP Brass long body bib cock 15mm dia	Each	218	400	87200
61	7260	Supply of CP Brass stop cock 15mm dia	Each	232	450	104400
62	7261	Supply of C.P. Brass angle valve 15 mm	Each	87	390	33930
63	0417	Supply of Brass 150 mm floor door stopper weighing not less than 0.357kg	Each	93	170	15810
64	SSR 120	gun metal Gate valve				
64.1	120 (vi)	20mm	Each	3	325	975
64.2	120 (v)	25mm	Each	2	550	1100
64.3	120 (iv)	32mm	Each	3	704	2112
64.4	120 (iii)	40mm	Each	4	906	3624
64.5	120 (ii)	50mm	Each	2	1150	2300
64.6	120 (i)	65mm	Each	3	1410	4230
65	SSR 119	GI reducer				
65.1	F-I	50x40mm dia	Each	3	87.9	263.7
65.2	F-II	40x32mm dia	Each	7	65.9	461.3
65.3	F-III	32x25mm dia	Each	3	49.1	147.3
65.4	F-IV	25x20mm dia	Each	3	27.1	81.3
66	SSR 119	GI hex nipple				
66.1	I-I	50 mm dia	Each	3	82.1	246.3
66.2	I-II	40 mm dia	Each	6	65.9	395.4
66.3	I-III	32 mm dia	Each	3	54.9	164.7
66.4	I-IV	25 mm dia	Each	3	41.3	123.9
66.5	I-V	20 mm dia	Each	4	32.8	131.2
66.6	I-VI	15 mm dia	Each	3	21.9	65.7
67	SSR 143	Cast Iron Nahini / Floor Trap with stainless Steel Grating 100mm x 75mm	Each	18	258.6	4654.8
68	SSR-185	Stainless Steel Health Faucet	Each	9	939	8451

S. No	DSR 2016	Description	Unit	QTY	Rate	Amount
69	SSR-67	Hydraulic Door closer of various sizes of approved quality using Aluminium Extruded section body tubular type universal hydraulic door closer with double speed adjustment like HARDWYN (make) 'GAZEL' (or) equivalent (with ISI Monogram)	Each	28	890	24920
70	MR	Providing and fixing of Cockroach Trap	Each	32	755	24160
71	MR	Supply of two way bib cock as follows including all accessories 20mm nominal bore	Each	18	1192	21456
72	MR	Providing and fixing complete set of concealed flush valve (Chromium plated) size of 32mm dia control cock and 75mm long operating lever, connected with GI pipe of appropriate dia of required length with necessary union and elbows including cutting and threading of the pipes, painting of the fittings & making good the walls wherever required etc. complete	Each	65	4480	291200
73	MR	Supplying of PVC Lids for Water storage tanks	Each	9	103	927
74	MR	Supply of STP & ETP Chemical				
74.1		D.A.P kg STP	Kg	600	58	34800
74.2		Urea kg STP	Kg	600	45	27000
74.3		Chlorine Liquid Liters STP	litre	360	107	38520
74.4		Lime Chemical Liters ETP	litre	360	322	115920
74.5		Alum Chemical Liters ETP	litre	360	335	120600
74.6		Bleaching Powder Kg	Kg	180	116	20880
74.7		Kerosene Ltr	litre	360	167	60120
75	MR	Supply of RO Plant Chemical				
75.1		Sodium Metabi Sulphite	Kg	384	386	148224
75.2		Anti Scalent	litre	384	773	296832
	CMW	Labour charges for day to day maintenance works at Hospital attending to repairs round the clock with maintenance staff with all helpers, tools, as directed by the Engineer in charge.				
76		Plumber (Skilled)	Month	24	25196	604704
77		Sewerman (semi-skilled)	Month	24	21650	519600
78		Gardener (unskilled)	Month	24	19144	459456
79		Helper (unskilled)	Month	72	19144	1378368
80		Supervisor (Hi-skilled)	Month	12	27509	330108
81	1.11	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 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.	Point	20	1057	21140

S. No	DSR 2016	Description	Unit	QTY	Rate	Amount
82	1402	Supply of S.P. 5/6 amps, one way modular switch, ISI marked	Each	40	28	1120
83	1403	Supply of S.P. 5/6 amps, two way modular switch, ISI marked	Each	12	56.5	678
84	1404	Supply of S.P. 15/16 amps, one way modular switch, ISI marked	Each	21	63	1323
85	1405	Supply of 3 pin 5/6 amps modular socket outlet, ISI marked	Each	19	59.5	1130.5
86	1406	Supply of 6 pin 15/16 amps modular socket outlet, ISI marked	Each	25	95.5	2387.5
87	1407	Supply of Modular bell push, ISI marked	Each	11	58.5	643.5
88	1421	Supply of Modular base & cover plate for 2 module	Each	17	37.5	637.5
89	1422	Supply of Modular base & cover plate for 3 module	Each	17	48	816
90	1423	Supply of Modular base & cover plate for 4 module	Each	16	55.5	888
91	1424	Supply of Modular base & cover plate for 6 module	Each	17	77.5	1317.5
92	1425	Supply of Modular base & cover plate for 8 module	Each	18	99.5	1791
93	1426	Supply of Modular base & cover plate for 12 module	Each	16	123	1968
94	1740	Supply of 12 way SPN Double door MCB DB	Each	1	1287	1287
95	2.2	Providing and fixing following rating and breaking capacity and pole MCCB with thermomagnetic release and terminal spreaders in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as required				
95.1	2.2.1	100 A, 16 kA, TPMCCB	Each	2	3726	7452
95.2	2.2.2	125 A, 16 kA, TPMCCB	Each	1	4145	4145
95.3	2.2.4	200 A, 16 kA, TPMCCB	Each	3	7628	22884
95.4	2.2.18	400 A, 50kA, FPMCCB	Each	1	26182	26182
96	2.3	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 arthing etc. as required. (But without MCB/RCCB/Isolator)				
96.1	2.3.1	2 + 4 way/ 6 way , Double door	Each	1	1661	1661
96.2	2.3.2	2 + 6 way/ 8 way , Double door	Each	1	1760	1760
96.3	2.3.3	2 + 10 way/ 12 way , Double door	Each	1	2053	2053
96.4	2.3.4	2 + 14 way / 16 way, Double door	Each	1	2453	2453

S. No	DSR 2016	Description	Unit	QTY	Rate	Amount
97	2.4	Supplying and fixing following way, horizontal type three pole and neutral, sheet steel, MCB distribution board, 415 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)				
	2.4.1	4 way (4 + 12), Double door	Each	1	3068	3068
98	2.13	Supplying and fixing following rating, four pole, 415 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
98.1	2.13.1	40 Amps	Each	16	832	13312
98.2	2.13.2	63 amps	Each	5	839	4195
99	9.1	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.				
	9.1.32	4 X 10 sq. mm (25 mm)	Nos	2	219	438
100	SD 114	Supply and fixing of 300 mm ( 12" ) sweep (light duty) AC exhaust fan complete with necessary wall opening and making good the wall.	Each	26	1796.48	46708.48
101	SD-200	Supply and laying of 2x25 Sqmm PVC armoured LT UG Cable in a trench to be excavated at a depth of 0.75 mtr putting 0.15 mtr layer of sand and covering the cable completely with bricks and sand and refiling the earth to make good	Mtr	27	337.12	9102.24
102	Part -A-20	Polyster filled copper choke 250 V/50 Hz grade suitable				
	c	36/40 W Electronic ballast for Fluorescent type	Each	45	269	12105
103	Part-A.3.d	Supply of 36Watts PL LAMP	Each	406	127.9	51927.4
104	Part-A.3.c	Supply of 18Watts PL LAMP	Each	315	115	36225
105	Part-I.8.a	Supply of Insulation Tape roll	Each	95	13.05	1239.75
	I	PART "A"				
106	15	led indoor fittings (light emitting diode)				
106.1	a	LED 4000K 2 x 2 Square Type Recessed Fitting	Each	4	3350	13400
106.2	c	18W LED 3000K Round Type Recessed Fitting	Each	6	1190	7140
		PART "A"				
107	24	Ceiling Rose	Each	12	13.15	157.8
108	29	water heater with isi mark (venus / racold / equivalent)				

S. No	DSR 2016	Description	Unit	QTY	Rate	Amount
	b	Automatic Electrical Water Heater with copper container, with Glass Wool / Puf Insulation with MS powder coated shell suitable for 25 Litres capacity 230V / 1000W	Each	4	6470	25880
	V	PART "E"				
109	1	service connection accessories L.T 1100v pvc aluminium armoured under ground cable with isi mark				
109.1	p	4 core 6 sq.mm. PVC Armoured UG Cable	Metre	10	109.8	1098
109.2	q	4 core 10 sq.mm. PVC Armoured UG Cable	Metre	11	120.3	1323.3
		PART "L"				
110	9	RCCB / ELCB				
	c	40 Amps 30 MA DP	Each	7	2080	14560
		PART "L"				
111	6	MINIATURE CIRCUIT BREAKERS 240 V/415V 50 HZ- AC SUPPLY suitable for both lighting and Motor Circuits.				
	J	Triple Pole & Neutral 63A,10KA (four pole MCB)	Each	7	1545	10815
112	MR	Supply of LED Tube light fitting				
		23 watt	Each	38	1674	63612
113	MR	Providing and fixing following rating and breaking capacity and pole MCCB with thermomagnetic relay and terminal spreaders in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as required				
	MR	63 A, TPMCCB	Each	4	6182	24728
114	MR	Supplying of 400mm sweep wall mount fan with push button switch	Each	81	3091	250371
115	MR	Supply of 400mm sweep pedestal fan (make:Crompton) 3 Blade pedestal Fan with a powerful motot having 1440 RPM speed. It has 450 mm air sweep and 85cm/m air delivery . The unit must have jerk free oscillation and smooth functioning of the fan makes it a perfect cooling solution with speed setting option . Aeoro dynamically designed single piece blades for high air delivery heavy duty motor performs well even at low voltages heavy and robust cast iron base for greater staility precision built oscillating mechanism with indexing option and 90 oscillation powder coated paint in metallic finish protects fan fromcorrosion performance conforms to IS 2997-1964 standards.	Each	32	3606	115392
116	MR	Supply of EBT 2 18 W Choke	Each	250	569	142250
117	MR	Supplyof EBT 2*36 TLD 36W Choke	Each	234	1667	390078
118	MR	Supply of 4 KVA Stabilizer	Each	2	3091	6182

S. No	DSR 2016	Description	Unit	QTY	Rate	Amount
119	MR	Supply of 2.5 MFD Fan condenser	Each	21	39	819
120	MR	Annual Maintenance to 2 ton window model/ Split type Air Condition.	Each	16	644	10304
121	MR	Repairing of starter pannel including spares.	Each	7	7361	51527
122	MR	Supply and fixing of 4 HP to 15HP with relay range 2.5A to 13A fully automatic star delta starters with SPP Furture	Each	1	15070	15070
123	MR	Removing and refixing for rewinding of bearing shat, impellers, bolts/nuts and re-assembling of Sub mersible bore well motor pump sets ( 15 HP)	Each	1	36064	36064
124	MR	Removing and refixing for rewinding of bearing shat, impellers, bolts/nuts and re-assembling of Sub mersible open well motor pump sets (7.5 HP to 12 HP)	Each	3	22540	67620
125	MR	Removing and refixing of blower motor 20 Hp for rewinding	Each	1	36064	36064
126	MR	Servicing for 20hp blower.	Each	2	34776	69552
127	MR	Monthly maintenance of 2000 KVA 440 V Diesel Generator (caterpillar make) ( 1 No)	month	12	12115.75	145389
128	MR	Element AS (model:1131578)	Each	2	41216	82432
129	MR	Element AS (model:1R0756)	Each	5	4508	22540
130	MR	Engine oil	Ltr	570	477	271890
131	MR	Charges for supply of Oil filter	Each	4	5152	20608
132	MR	Charges for supply of Diesel filter	Each	4	5138	20552
133	MR	Charges for supply of Radiator coolant	ltr	120	863	103560
134	MR	Charges for supply of distilled Water.	Ltr	96	57	5472
135	MR	Charges for supply of Air filter	No.	4	34956	139824
136	MR	Labour charges and transport charges (for supply of diesel, the actual cost against bill will be reimbursed)	Ltr	52800	2.576	136012.8
137	MR	Maintenance of 2500 KVATransformer service with to the above subwaye we are offering our Transfer oil filtration , OLD T & VCB service , relay testing is given below	Each	1	626805	626805
138	MR	L&T Make Electrical ACB Complete Service & Overhauling from 2000A to 5000A	Nos	17	17780	302260
139	MR	Supply of 200A LT Breaker	No	1	51520	51520
140	MR	Removing and refixng of hydranatic membrane with spars for RO plant	Each			
140.1		80x40 HYDRANATIC MEMBRANE	Each	24	50876	1221024
140.2		8" Advanced make end cap	Each	10	18032	180320
140.3		40" Italy clamp with rubber bush,	Each	28	580	16240
140.4		40mm Rubber bush for end cap,	Each	16	2576	41216
140.5		20" Jumbo spun filter	Each	6	2318	13908
140.6		Multi port valve	Each	2	23184	46368
141	MR	Cleaning and Servicing of 12000 LPH RO Plant coverd with service, every 3 month chemical washing, Cleaning of cartridge filter etc.	Month	4	15456	61824

S. No	DSR 2016	Description	Unit	QTY	Rate	Amount
	CMW	Labour charges for day to day maintenance works at Hospital attending to repairs round the clock with maintenance staff with all helpers, tools, as directed by the Engineer in charge.				
142		Electrician Grade I (skilled)	Month	24	25196	604704
143		Electrician Grade II (Helper) Unskilled	Month	24	19144	459456
144		DG Operator (skilled)	Month	36	25196	907056
145		Pump Driver (skilled)	Month	24	25196	604704
146		Lift Operator (skilled)	Month	60	25196	1511760
147		Electrical c licence (Highly skilled)	Month	12	27509	330108

#### ABSTRACT OF SCHEDULE

Name of the Contractor :

Sl.No	Abstract of Schedule	Amount
1	Civil - DSR Item Total	4469153.64
2	Civil - SSR & MR Total	1261620.31
3	Civil - Labour Total	3292236
4	Electrical - DSR Item Total	126730.5
5	Electrical - SSR & MR Total	5048881.61
6	Electrical - Labour Total	4417788
7	Civil and Electrical - Total	18616410.06
8	Labour Cess @ 1%	186164.1
	<b>Value put into Tender (rounded up)</b>	<b>18802574</b>

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**

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
3. The Percentage shall be typed only in figures upto 2 (two) places of decimal along with algebraic sign.

**Signature of the contractor**