

**Abstract cost for Manpower**

**NAME OF WORK:** Annual Repairs, Maintenance and Operation (ARMO) works of buildings, services, equipment and plants of Offices, Dispensaries, DCBOs, and Staff Quarters at ESI Diagnostics Centre, Jeedimetla, Hyderabad, Telangana during the year 2025-26.

S.No	Description of Item	Nos	Category	Total Qty in Mandays	Wages per day	Amount
A	B	C	D	E=C*26*12	F	G
<b>Daily day to day operating, repairs and Services Electrical</b>						
1	Electrical Supervisor with Electrical Supervisor License (General Shift). Engaging of Supervisor for supervising of day to day maintenance of Electrical maintenance works and to monitor these works are properly attended and to take care of complaints arised related to repairs / replacement of damaged fittings / fixtures in the campus such as switches, sockets, switch boards, LT Panels , MCBs, MCB DBs, MCCBs, SFUs, FSUs etc., and all types of fans / light fittings, OH lines, UG cables etc., complete all as directed by the Engineer-in-charge. ( 01 No.) (Qualification: Diploma in Electrical Engineering with 10 years related experience (supervisory) in maintenance job)	1	Highly Skilled	312	1547.00	482664.00
2	Electrician with Wireman License (In Shift). Engaging of Electrician for day to day maintenance of Electrical works like repairs to internal and external electric supply by replacing the damaged fittings / fixtures , repairing the unserviceable fittings / fixtures such as switches, sockets, switch boards, LT Panels , MCBs, MCB DBs, MCCBs, SFUs, FSUs etc., and all types of fans / light fittings, OH lines, UG cables etc., complete all as directed by the Engineer-in-charge. ( 03 No.) (Qualification: ITI Electrician certificate with 3 years related experience)	3	Skilled	936	1433.00	1341288.00





3	Fire Fighting Technician with fire safety certificate (In Shifts). Engaging of Fire Fighting Technician for day to day maintenance and operation of Fire Fighting System like Fire Hydrant System, Fire Alarm System, Fire Protection System (Smoke Detectors, Heat Detectors, Hooters, Sprinklers) including with pump room equipments like Diesel pump, Main pump, Jockey pump, Booster pump, Fire LT Panels and other equipments pertains to fire fighting system etc, to maintain required water pressure at all times in External and internal fire hydrant/sprinkler lines etc complete all as directed by Engineer in charge. (3 Nos) (Qualification: Fire Safety in Diploma with 3 years related experience)	3	Highly Skilled	936	1547.00	1447992.00
4	Electrical Helper (In Shifts). Engaging unskilled Labour / Helper for helping the Skilled workers in attending the day to day complaints like day to day maintenance of Electrical works like repairs to internal and external electric supply by replacing the damaged fittings / fixtures , repairing the unserviceable fittings / fixtures such as switches, sockets, switch boards, LT Panels , MCBs, MCB DBs, MCCBs, SFUs, FSUs, HVAC, Fire safety etc., and all types of fans / light fittings, OH lines, UG cables etc., complete all as directed by the Engineer-in-charge ( 03 Nos.) (Qualification: Nil)	3	Un Skilled	936	1321.00	1236456.00
5	Releiver for Electrician	1	Skilled	156	1433.00	223548.00
6	Releiver for Electrical Helper	1	Un Skilled	156	1321.00	206076.00
7	Releiver for Fire Technician	1	Highly Skilled	156	1547.00	241332.00
		<b>10.00</b>				
<b>Total Manpower</b>						<b>5179356.00</b>



**Electrical Material Supply**

S.No	DSR EnM 2022	Details of Materials	Unit	Quantity	Rate	Amount
8	1224	20 mm dia. ISI marked, PVC conduit	Metre	30.00	21.00	630.00
9	1225	25 mm dia. ISI marked, PVC conduit	Metre	30.00	29.00	870.00
10	1229	20 mm PVC bends	Each	30.00	8.00	240.00
11	1230	25 mm PVC bends	Each	30.00	11.00	330.00
12	1234	20 mm PVC couplers	Each	30.00	6.00	180.00
13	1235	25 mm PVC couplers	Each	30.00	7.00	210.00
14	1401	Ceiling rose, 3 pin, 5A ISI marked	Each	2.00	20.00	40.00
15	1402	S.P. 5/6 amps, one-way modular switch, ISI marked Make-as per existing make.	each	30.00	34.00	1020.00
16	1403	S.P. 5/6 amps, two-way modular switch, ISI marked - as per existing make.	each	2.00	68.00	136.00
17	1404	S.P. 15/16 amps, one-way modular switch, ISI marked -as per existing make.	each	30.00	74.00	2220.00
18	1405	3 pin 5/6 amps' modular socket outlet, ISI marked - as per existing make.	each	30.00	63.00	1890.00
19	1406	6 pin 15/16 amps' modular socket outlet, ISI marked -as per existing make.	each	30.00	105.00	3150.00
20	1407	Modular bell push, ISI marked -as per existing make.	each	2.00	62.00	124.00
21	1408	Stepped type Modular Fan regulator -as per existing make.	each	2.00	220.00	440.00
22	1411	Modular blanking plate -as per existing make.	each	20.00	16.00	320.00
23	1420	Modular base & cover plate for 1 module	Each	5.00	42.00	210.00
24	1421	Modular base & cover plate for 2 modules	each	10.00	42.00	420.00
25	1422	Modular base & cover plate for 3 modules	each	10.00	56.00	560.00
26	1423	Modular base & cover plate for 4 modules	each	10.00	61.00	610.00
27	1424	Modular base & cover plate for 6 modules	each	10.00	79.00	790.00
28	1425	Modular base & cover plate for 8 modules	each	5.00	101.00	505.00
29	1426	Modular base & cover plate for 12 modules	each	2.00	147.00	294.00
30	1452	PVC Batten /Angle Holder	Each	10.00	22.00	220.00
31	1705	25 A modular SPMCB, 'C' curve	Each	2.00	161.00	322.00
32	1706	6 amps. to 32 amps. ratings , SP MCB, "C" curve, 10 kA breaking capacity	Each	2.00	135.00	270.00
33	1707	6 amps. to 32 amps. ratings , SPN MCB, "C" curve, 10 kA breaking capacity	Each	2.00	394.00	788.00
34	1708	6 amps. to 32 amps. ratings , DP MCB, "C" curve, 10 kA breaking capacity	Each	2.00	437.00	874.00
35	1709	6 amps. to 32 amps. ratings , TP MCB, "C" curve, 10 kA breaking capacity	Each	2.00	702.00	1404.00
36	1710	6 amps. to 32 amps. ratings , TPN MCB, "C" curve, 10 kA breaking capacity	Each	2.00	1710.00	3420.00
37	1711	Single pole, blanking plate	Each	10.00	8.00	80.00
38	1717	25 amps. rating, 2 pole RCCB, 30mA	Each	1.00	1458.00	1458.00
39	1718	40 amps. rating, 2 pole RCCB, 30mA	Each	1.00	1922.00	1922.00

40	1721	40 amps. rating, 4 pole RCCB, 30mA	Each	1.00	2290.00	2290.00
41	1722	63 amps. rating, 4 pole RCCB, 30mA	Each	1.00	2052.00	2052.00
42	2932	250 mm X 200 mm H.T. danger notice plate	Each	2.00	72.00	144.00
43	2933	200 mm X 150 mm M.V. danger notice plate	Each	2.00	54.00	108.00
44	2941	Charcoal for Earth Pits	kg	2.00	9.00	18.00
45	2943	Salt for Earth Pits	kg	2.00	10.80	21.60
46	2946	Fine Sand for Fire Buckets	cum	2.00	900.00	1800.00
47	4147	25 mm dia MS flexible pipe with PVC coating along with all ancillaries & accessories like coupler etc.	Metre	30.00	25.00	750.00
		Subtotal DSR				33130.60
		Subtotal incl. Cost Index @10.28%				36536.43
		Subtotal incl. CPOH @15%				42016.89
		<b>Total DSR incl. GST @18% (A)</b>				<b>49579.93</b>
<b>S.No.</b>	<b>TGSR 2025-26</b>	<b>Details of Materials</b>	<b>Unit</b>	<b>Quantity</b>	<b>Rate</b>	<b>Amount</b>
48	ELEC-1.1.11.a	Supply of 19/20 mm Saddles with Base.	100 No	2	308.00	616.00
49	ELEC-1.1.11.b	Supply of 25 mm Saddles with Base.	100 No	2	319.00	638.00
50	ELEC-1.2.4.a	Supply of 19/20 mm PVC Flexible Couplings. Make: Precision or its equivalent as approved by the department	1 No	20	16.00	320.00
51	ELEC-1.2.5.b	Supply of 25mm x 12 mm and thickness 1.2 mm width and height Casing and Caping with all accessories such as Ts, Bends, Elbows etc., complete for finished item of work. Makes : Modi with ISI or its equivalent make as approved by the department	Metre	30.00	42.00	1260.00
52	ELEC-1.2.6.a	Supply of 19/20 mm PVC Junction Boxes Normal. Makes : Sudhakar / Finolex / Modi / VIP / Precision DEC / Beljin	1No	30	26.00	780.00
53	ELEC-1.2.6.b	Supply of 25 mm PVC Junction Boxes Normal. Makes : Sudhakar / Finolex / Modi / VIP / Precision DEC / Beljin	1No	30	29.00	870.00
54	ELEC-1.3.2.a	Supply of Surface Mounted PVC Modular Gang Box. 1 or 2 Makes : Similar to Switches Make	1 No	2.00	71.00	142.00
55	ELEC-1.3.2.b	Supply of Surface Mounted PVC Modular Gang Box. 3 Makes : Similar to Switches Make	1 No	2.00	101.00	202.00
56	ELEC-1.3.2.c	Supply of Surface Mounted PVC Modular Gang Box. 4 Makes : Similar to Switches Make	1 No	2.00	121.00	242.00

57	ELEC-1.3.2.d	Supply of Surface Mounted PVC Modular Gang Box. 6 Makes : Similar to Switches Make	1 No	2.00	163.00	326.00
58	ELEC-1.3.2.e	Supply of Surface Mounted PVC Modular Gang Box. 8 or 9 Makes : Similar to Switches Make	1 No	2.00	210.00	420.00
59	ELEC-1.3.2.f	Supply of Surface Mounted PVC Modular Gang Box. 12 Makes : Similar to Switches Make	1 No	2.00	257.00	514.00
60	ELEC-1.5.2.a	Supply of 1.5 Sqmm FRLSH PVC insulated 1100V grade as per IS:694 / 2010 specification for Copper cable. Makes : RPG / Anchor / Power Flex / Sun Cab / Delton / Benlo / Gloster / Gemini / Unistar / Windsor / Payal / SPM / Elleys / Fybros / Gold Medal / GM / Million / Sudhakar / Nakoda / Bonton	100 Mtrs	3.00	2110.00	6330.00
61	ELEC-1.5.2.b	Supply of 2.5 Sqmm FRLSH PVC insulated 1100V grade as per IS:694 / 2010 specification for Copper cable. Makes : RPG / Anchor / Power Flex / Sun Cab / Delton / Benlo / Gloster / Gemini / Unistar / Windsor / Payal / SPM / Elleys / Fybros / Gold Medal / GM / Million / Sudhakar / Nakoda / Bonton	100 Mtrs	3.00	3420.00	10260.00
62	ELEC-1.5.2.c	Supply of 4.0 Sqmm FRLSH PVC insulated 1100V grade as per IS:694 / 2010 specification for Copper cable. Makes : RPG / Anchor / Power Flex / Sun Cab / Delton / Benlo / Gloster / Gemini / Unistar / Windsor / Payal / SPM / Elleys / Fybros / Gold Medal / GM / Million / Sudhakar / Nakoda / Bonton	100 Mtrs	3.00	5270.00	15810.00
63	ELEC-1.5.2.d	Supply of 6.0 Sqmm FRLSH PVC insulated 1100V grade as per IS:694 / 2010 specification for Copper cable. Makes : RPG / Anchor / Power Flex / Sun Cab / Delton / Benlo / Gloster / Gemini / Unistar / Windsor / Payal / SPM / Elleys / Fybros / Gold Medal / GM / Million / Sudhakar / Nakoda / Bonton	100 Mtrs	3.00	7865.00	23595.00
64	ELEC-1.6.3.c	Supply of 3 Core 4.0 Sqmm Flat Copper cable of ISI for Submersible Motors. Makes : Finolex / RR Kabel / Havells / KEI / LK (L&T) / Pawancab	100mtrs	1	19457.00	19457.00
65	ELEC-1.6.3.d	Supply of 3 Core 6.0 Sqmm Flat Copper cable of ISI for Submersible Motors. Makes : Finolex / RR Kabel / Havells / KEI / LK (L&T) / Pawancab	100mtrs	1	28610.00	28610.00

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66	ELEC-1.7.1.f	Supply of 6A 3 pin Triangle Plug Top. Makes : GM G Home / Gold Medal Olive / Million Zoom / Anchor Penta Cherry / Great white Omega / HPL / Vimal / CPL	Each	10.00	40.00	400.00
67	ELEC-1.7.1k	Supply of 16A, 3 pin Triangle Plug Top. Makes : GM G Home / Gold Medal Olive / Million Zoom / Anchor Penta Cherry / Great white Omega / HPL / Vimal / CPL	Each	10.00	56.00	560.00
68	ELEC-1.9.1.g	Supply of 16A / 10A Modular Flush Fuse with Neon Indicator. Makes : Legrand Arteor / Schneider Zen celo / Honeywell Blenge Plus / Crabtree Murano / Logus Platina / Gold Medal GIFA / GMZenova/ LK (L&T) - Englaze / Million M-Vee	1No	2	179.00	358.00
69	ELEC-1.9.1.k	Supply of 20A 2 Module Modular Socket with shutter. Makes : Legrand Arteor / Schneider Zen celo / Honeywell Blenge Plus / Crabtree Murano / Logus Platina / Gold Medal GIFA / GMZenova/ LK (L&T) - Englaze / Million M-Vee	1No	5	273.00	1365.00
70	ELEC-3.3.16	Supply and transportation of 22W +/- 10% , >/ 2300 lumens, 1200 mm (+/- 10%) length LED light housing made with alluminium anodised body, wide operating voltage with PF≥0.9, Surge protection: > 2KV, THD<15%, with inbuilt driver and frosted cover CCT: 3000K - 6500K as desired by the department as per IS, minimum CRI≥80 etc., complete with 5 years warranty with BIS Certification with BIS Certification. LUMINAIRE MAKE : Phillips / OSRAM / Wipro / Crompton / Bajaj / Havells / Jaquar / Panasonic / Halonix / HPL / Eveready / Surya / Keselec / Arraystorm / GM / Goldmedal / Goldwyn / Fortune Arrt / Lighting Technologies / Bee-Lite. LED MAKE : Philips Lumileds / Cree / Nichia / Osram / Samsung / LG LEDs.	Each	20.00	553.00	11060.00

71	ELEC-3.3.15	<p>Supply and transportation of 10W, 1000 lumens, 600 mm (+/- 10%) length LED batten tube light, housing made with PC body, wide operating voltage with Single / double side connection, PF<math>\geq</math>0.9, Surge protection: &gt;2KV, THD&lt;15%, with inbuilt driver and frosted cover CCT: 3000K - 6500K as desired by the department and as per IS specifications, minimum CRI<math>\geq</math>80,.etc complete with 5 years warranty with BIS Certification.</p> <p>LUMINAIRE MAKE : Phillips / OSRAM / Wipro/ Crompton / Bajaj / Havells / Jaquar /Panasonic / Halonix / HPL / Eveready / Surya / Keselec / Arraystorm / GM / Goldmedal / Goldwyn / Fortune Arrt / Lighting Technologies</p> <p>LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG / LG LEDs.</p>	Each	20.00	346.00	6920.00
72	ELEC-3.3.7.a	<p>Supply and transportation of 6W +/-10% (<math>\geq</math> 540 Lumens) edge lit LED slimline panel light Housing made of Pressure die cast aluminium with Powder coated, round / Square with Protruded high efficiency diffuser, IP20, with wide operating voltage range, Power factor &gt; 0.9, Surge protection: &gt; 2KV, System efficacy of &gt;90 lumens/watt, CCT: 3000K - 6500K as desired by the department and as per IS, CRI &gt;80, and THD is less than 15% etc., complete with 5 years warranty with BIS Certification.</p> <p>LUMINAIRE MAKE : Phillips / OSRAM / Wipro / Crompton / Bajaj / Havells / Jaquar / Panasonic / Halonix / HPL / Eveready / Surya / Keselec / Arraystorm / GM / Goldmedal / Goldwyn / Fortune Arrt / Lighting Technologies / Bee-Lite</p> <p>LED MAKE : Philips Lumileds / Cree / Nichia / Osram / Samsung / LG LEDs.</p>	Each	10.00	480.00	4800.00



73	ELEC-3.3.7.c	<p>Supply and transportation of 15W +/-10% (<math>\geq</math> 1350 Lumens) edge lit LED slimline panel light Housing made of Pressure die cast aluminium with Powder coated, round / Square with Protruded high efficiency diffuser, IP20, with wide operating voltage range, Power factor <math>&gt;</math> 0.9, Surge protection: <math>&gt;</math> 2KV, System efficacy of <math>&gt;</math>90 lumens/watt, CCT: 3000K - 6500K as desired by the department and as per IS, CRI <math>&gt;</math>80, and THD is less than 15% etc., complete with 5 years warranty with BIS Certification.</p> <p>LUMINAIRE MAKE : Phillips / OSRAM / Wipro / Crompton / Bajaj / Havells / Jaquar / Panasonic / Halonix / HPL / Eveready / Surya / Keselec / Arraystorm / GM / Goldmedal / Goldwyn / Fortune Artt / Lighting Technologies / Bee-Lite</p> <p>LED MAKE : Philips Lumileds / Cree / Nichia / Osram / Samsung / LG LEDs.</p>	Each	20.00	874.00	17480.00
74	ELEC-3.3.20.a	<p>Supply and Transportation of 30-36 W +/-10% (<math>\geq</math>3960 Lumens) Back lit, 2' x2' grid false ceiling / zip board (595 mm x 595 mm) Recessed / Surface mounted LED luminaire made of CRCA sheet housing with powder coated with high efficiency acrylic wide diffuser, with wide operating voltage range, Power factor <math>&gt;</math> 0.9, Surge protection <math>&gt;</math>2kV, System efficacy of <math>&gt;</math>110 lumens/watt, CCT: 3000K - 6500K as desired by the department, CRI <math>&gt;</math>80, and THD is less than 15% etc., complete with 5 years warranty with BIS Certification.</p> <p>LUMINAIRE MAKE : Phillips / OSRAM / Wipro / Crompton / Bajaj / Havells / Jaquar / Panasonic / Halonix / HPL / Eveready / Surya / Keselec / Arraystorm / GM / Goldmedal / Goldwyn / Fortune Artt / Lighting Technologies / Bee-Lite</p> <p>LED MAKE : Philips Lumileds / Cree / Nichia / Osram / Samsung / LG LEDs.</p>	Each	20.00	2703.00	54060.00
75	NIL					



76	ELEC-3.5.3.c	<p>Supply and transportation of 43 / 45 W +/-10% (<math>\geq 3600</math> Lumens) LED Street light Body made of high grade pressure die -cast Aluminium alloy with corrosion resistant powder coat, having protective toughened glass cover / temperature protective custom molded polycarbonate diffuser, Thermal shock and impact resistant IK07 fixed to the housing by SS screws Suitable lense on LEDs, Less Glare, IP 66 (Silicon gasket ensures Optical &amp; Electrical compartments are IP 66) protected, wide operating voltage range, P.F &gt; 0.90, System having efficacy &gt;100 lumens / watt, with Ingress protection IP66, BIS approved Potted driver, Driver surge protection &gt;10KV, THD&lt;15%, CCT: 3000- 6500K as desired by the department and as per IS, CRI&gt;70, Inbuilt Electrical protections like Over voltage, short circuit, Over load, Open Circuit, Miswiring, etc complete with BIS certification with 5 years warranty. The contractor has to furnish the manufacturer warranty letter, LM 79 and LM 80 certificates. Kashyap Blue / Prolite / Scintilla / Mulex / Kiran / Benlo / Savitha / Deepal. LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG / LG LEDs.</p>	Each	2.00	2350.00	4700.00
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77	ELEC-3.5.3.e	<p>Supply and transportation of 90W +/-10% (&gt;=7200 Lumens) LED Street light Body made of high grade pressure die -cast Aluminium alloy with corrosion resistant powder coat, having protective toughened glass cover / temperature protective custom molded polycarbonate diffuser, Thermal shock and impact resistant IK07 fixed to the housing by SS screws Suitable lense on LEDs, Less Glare, IP 66 (Silicon gasket ensures Optical &amp; Electrical compartments are IP 66) protected, wide operating voltage range, P.F &gt; 0.90, System having efficacy &gt;100 lumens / watt, with Ingress protection IP66, BIS approved Potted driver, Driver surge protection &gt;10KV, THD&lt;15%, CCT: 3000- 6500K as desired by the department and as per IS, CRI&gt;70, Inbuilt Electrical protections like Over voltage, short circuit, Over load, Open Circuit, Miswiring, etc complete with BIS certification with 5 years warranty. The contractor has to furnish the manufacturer warranty letter, LM 79 and LM 80 certificates. Kashyap Blue / Prolite / Scintilla / Mulex / Kiran / Benlo / Savitha / Deepal LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG / LG LEDs.</p>	Each	3.00	4968.00	14904.00
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*[Handwritten signatures]*

78	ELEC-3.5.4.b	<p>Supply and transportation of 90W +/-10% (<math>\geq 9000</math> Lumen) LED Flood light Luminaire made of pressure die cast aluminum housing with powder coated, having toughened glass cover, Suitable lens on LEDs, IP 66 (Silicon gasket ensures Optical &amp; Electrical compartments are IP 66 ) protected, wide operating voltage range , P.F &gt; 0.90, System having efficacy &gt;110 lumens/watt, with Ingress protection IP66, Driver surge protection &gt;10KV, THD&lt;15%, CCT: 3000- 6500K as desired by the department and as per IS, CRI&gt;70, Inbuilt Electrical protections like Over voltage, short circuit, Over load, Open Circuit, Miswiring, etc complete with BIS certification with 5 years warranty. The contractor has to furnish the manufacturer warranty letter, LM 79 and LM 80 certificates. LUMINAIRE MAKE : PHILIPS / OSRAM / GE Venture / CROMPTON / BAJAJ / Surya / Wipro / Jaquar / Eveready / Halonix / Keselec / HAVELLS / POLYCAB / SURYA / SYSKA./ Capart / Fortune Arrt / FIEM / Arraystorm / GM / Goldmedal / Panasonic / Silicon / Leksa / Orient / HPL / Valmont / Transrail LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG / LG LEDs</p>	Each	2.00	6516.00	13032.00
79	ELEC-5.1.1	<p>Supply, Transportation of energy efficient fan, 1200 mm sweep, aluminium body, consuming 28 W, BEE 5 star rated, ceiling fan with Brush Less Direct Current (BLDC) motor, class of insulation: B, 3 no's blades, 30 cm long down rod, 2 no's canopies, shackle'kit, copper winding, Power Factor greater than 0.90, Service Value (CMMAV) greater than <b>8.0</b>, Air delivery minimum <b>235 CMM</b>, 350 RPM( tolerance as per IS:374-2019), THD less than 10%. with remote or compatible to electronic step type regulator unit for speed control and all remaining accessories including safety pin, nut bolts, washers, temperature rise=75°C(max), insulation resistance more than 2 mega ohm, suitable for 230V, 50 HZ, single phase AC supply, earthing etc., including all standard accessories etc., complete. Makes : Atomberg (Efficio ) / Havells / Orient / Halonix / Crompton</p>	1No.	1.00	3085.00	3085.00



80	ELEC-5.1.11.a	Supply of 9" (225mm +/- 5%) Light duty exhaust fan with metal blades etc., complete for ante rooms / individual toilets. Makes : Crompton / Havells Ventilair- DSP / Orient hill air.	1No.	2.00	1555.00	3110.00
81	ELEC-5.1.12.b	Supply of 8" (200mm) Ventilating exhaust fan with shutters etc complete for living rooms / office rooms Makes : Atomberg Studio / Crompton / Havells Ventilair DX / Orient / Panasonic / Halonix	1No.	2.00	1715.00	3430.00
82	ELEC-5.1.16.b	Supply of 8" (200 mm) BLDC exhaust fan with necessary accessories etc., complete Makes : Atomberg / Crompton / Havells / Orient / Goldmedal / GM.	1No.	2.00	2520.00	5040.00
83	ELEC-5.1.13.a	Supply of 12" (300mm), 900 RPM Heavy duty exhaust fan with metallic blades for general toilets. Makes : Crompton / Almonard / Havells Turbo Force SP.	1No.	2.00	3410.00	6820.00
84	ELEC-5.14.10.c	Supply of Capacitor for table / cabin / pedestal / ceiling / exhaust fan complete with alignment of shaft and tested.	1 No	2.00	65.00	130.00
85	ELEC-10.1.2	Supply of Rawl Plugs	100 No	5	45.00	225.00
86	ELEC-10.1.15	Supply of PVC / Cotton Insulation tape Role ( 10 Mtrs)	1No.	30	26.00	780.00
87	ELEC-10.2.4	Supply of LEGEND PLATES for Earth pits 40mm x 20mm	1 No	2	61.00	122.00
88	ELEC-10.2.7	Supply of Shock instrution chart in English / Hindi / Telugu duly framed with front glass.	1 No	5	576.00	2880.00
		Subtotal SSR EnM				265653.00
		Subtotal incl. CPOH @15%				305500.95
		Total SSR EnM incl. GST @18% (B)				360491.12
<b>Total Electrical Materials Estimated to (A+B) in Rs.</b>						<b>410071.00</b>



**Estimated value of Electrical Item Work**

S.No	TG SSR 2024-25	Description	Unit	Qty	Rate	Amount
<b>DSR/SSR Item works</b>						
89	ELEC-5.14.3	Rewinding of motor of 1200mm / 1400mm ceiling Fan including minor repairs, lubrication of ball bearings, bush bearings and replacing condenser, screws etc testing of fan for	1No.	2	740.00	1480.00
90	ELEC-5.14.6	Rewinding of motor of 900 / 1400 RPM 450mm Exhaust Fan including minor repairs, lubrication of ball bearings, bush bearings and replacing condenser, screws etc testing of fan for original speed.	Job	2	1230.00	2460.00
		<b>Subtotal-I</b>				<b>3940.00</b>
<b>SUB STATION EQUIPMENT / SERVICING</b>						
91	ELEC-8.18.1	Carryout routine maintenance, servicing and testing of 630A to 1000A L.T.ACB by cleaning fixed contacts, moving contacts and arcchutes including servicing and putting the ACB in perfect working condition after detting all relay and ON, OFF mechanism etc done with only manufacturing companies.	No	8	7005.00	56040.00
92	ELEC-8.18.2	Carryout routine maintenance and servicing of LT.Cubical panel board having approximately 15 to 22 Nos of switches cleaning with power brower and servicing the contacts, tightning the connection of incoming and outgoing cables, and clicking the operating machanism for smooth functioning of switches and putting them in smooth working condition.	Job	10	3345.00	33450.00
93	ELEC-8.18.3	Routine maintenance of transformer in operation covering insulation resistance oil, break down strength. Reconditioning / replacement of silicazel, cleaning of transformer and topping upto oil level if required (extra cost will be paid for oil)	Job	4	5730.00	22920.00
94	ELEC-8.18.4	Testing of Transformer oil for dielectric breakdown strength	Job	4	824.00	3296.00
95	ELEC-8.18.5	Testing of insulation resistance H.T/ LT Copper/ Aluminium Coils for transformers	Job	4	415.00	1660.00
96	ELEC-8.18.7.b	Replacing old and unserviceable gasket of top cover plate of transformer having following capacity upto 1000 kVA	Job	2	1444.00	2888.00

97	ELEC-8.18.8.b	Replacing old and unserviceable gasket of bushing for the following Transformer capacity. upto 1000 kVA H.T.	Job	2	767.00	1534.00
98	ELEC-8.18.8.d	Replacing old and unserviceable gasket of bushing for the following Transformer capacity. upto 1000 kVA L.T.	Job	2	1979.00	3958.00
99	ELEC-8.18.10	Painting with 2 coats Zinchromate red oxide duly scraping existing paint followed by 2 coats of hammerton grey paint etc., complete. 500 to 1000 kVA Transformer	No	2	5198.00	10396.00
100	ELEC-8.18.14	Filtration of transformer oil as per ISS specifications filters to die electric strength above 40 kV at site	Litre	1500	14.00	21000.00
101	ELEC-8.18.16.b	Servicing of DBs duly opening the top cover checking the circuits, tighting the screws, applying tape wherever required and making propoer dressing etc complete. 8 Way SPN DB	No	5	112.00	560.00
102	ELEC-8.18.16.c	Servicing of DBs duly opening the top cover checking the circuits, tighting the screws, applying tape wherever required and making propoer dressing etc complete. 12 Way SPN DB	No	5	168.00	840.00
103	ELEC-8.18.16.e	Servicing of DBs duly opening the top cover checking the circuits, tighting the screws, applying tape wherever required and making propoer dressing etc complete. 8 Way TPN DB	No	10	336.00	3360.00
104	ELEC-8.18.16.f	Servicing of DBs duly opening the top cover checking the circuits, tighting the screws, applying tape wherever required and making propoer dressing etc complete. 12 Way TPN DB	No	10	562.00	5620.00
105	ELEC-8.18.17	Carryout routine maintenance, servicing and testing of 630A to 3000A HT VCB by cleaning fixed contacts, moving contacts and arcchutes including servicing and putting the VCB in perfect working condition after detting all relay and ON, OFF mechanism etc done with only manufacturing companies / Authorised dealers of respective switch gears	No	8	11461.00	91688.00

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106	ELEC-8.18.18	Carrying out power quality analysis of the existing load at point of supply/ or as directed with the use of necessary equipment ( At 10 points) and recording voltage, current, frequency, KW, KVA, KVAR,PF,THDV, THDI, Load imbalance, preparation and submission of detailed. Note 1: Above job is carriedout irrespective of measurement at various electrical panels/ load centers (Upto 10 pts) Note 2: For estimating, one day shall be considered number of hours of one normal working day and it should be actual time required for measurement at site.	Day	1	33107.00	33107.00
107	ELEC-8.18.19	Service Charges towards Thermography and development of report for the panel board consisting of 15 - 22 switchgears at site with FLIR make E5 thermal Imaging Camera with CRIP Resolution of 10,800-pixel detector and 2% accuracy including all required jobs	Job	1	12500.00	12500.00
108	ELEC-11.7.44	Providing / Conducting complete fire audit including submission of fire audit report for the whole premises.	Sq.m	8449	7.00	59143.00
<b>Subtotal-II</b>						<b>363960.00</b>
<b>Dismantling Rates</b>						
109	ELEC-16.1.2.a	Dismantling the existing ceiling fan / exhaustfan / cabin fan for clearing the site.	Job	20	19.00	380.00
110	ELEC-16.1.2.c	Dismantling the existing tubelight / SV lamp /MV lamp/ LED and making the site clear	job	50	19.00	950.00
<b>Subtotal-III</b>						<b>1330.00</b>
<b>OLD MATERIAL RATES</b>						
111	ELEC-16.1.1.b	PVC insulated alluminium cables and wires	1 kg	20	-58.00	-1160.00
112	ELEC-16.1.1.f	PVC pipe/ PVC materials.	1 kg	20	-6.00	-120.00
113	ELEC-16.1.1.j	All types of ceiling fans/ cabin fans/ Bracket fans and pedastal fans etc.	1 No	20	-173.00	-3460.00
114	ELEC-16.1.1.k	All type Tube light fittings/MV/SV/MH/LED fittings.	1 No	20	-24.00	-480.00
115	ELEC-16.1.1.m	All types chokes/condensors/Motor starters	1 kg	20	-20.00	-400.00
<b>Subtotal-IV</b>						<b>-5620.00</b>
Subtotal = I+II+III+IV						363610.00
Subtotal incl. CPOH @15%						418151.50
Total SSR (B) incl. GST @18%						493418.77
<b>Total Electrical item works Estimated to Rs (A).</b>						<b>493419.00</b>

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**Non DSR Item works**

116	AoR	Taking out the existing 440 V, 3Phase, upto 3 HP Monoblock Pump Set From the Position, transportation to work shop, dismantling the same, carrying out, rewinding of motor, replacing worn-out bushes, bearings, coupling, shaft etc. Reassembling the same, transporting back to site, installing, testing on commissioning all by engineer in charge	Job	1	4881.00	4881.00
117	AoR	Taking out the existing 440V, 3Phase, upto 3 HP Pressure Pump with Motor From the Position, transportation to work shop, dismantling the same, carrying out, rewinding of motor, replacing worn-out bushes, bearings, coupling, shaft etc. Reassembling the same, transporting back to site, installing, testing on commissioning all by engineer in charge	Job	1	14846.00	14846.00
118	AoR	Taking out the existing 440V, 3Phase, Borewell submersible pumpset of upto and including 5.0 HP ' From the Position, transportation to work shop, dismantling the same, carrying out, rewinding of motor, replacing worn-out bushes, bearings, coupling, shaft etc. Reassembling the same, transporting back to site, installing, testing on commissioning all by engineer in charge	Job	1	16301.00	16301.00
119	AoR	Taking out the existing 440V, 3Phase, 7.5HP Borewell submersible pumpset From the Position, transportation to work shop, dismantling the same, carrying out, rewinding of motor, replacing worn-out bushes, bearings, coupling, shaft etc. Reassembling the same, transporting back to site, installing, testing on commissioning all by engineer in charge	Job	1	19601.00	19601.00
120	AoR	Taking out the existing 440V, 3 Phase, 2/3HP sewage submersible pumpset From the Position, transportation to work shop, dismantling the same, carrying out, rewinding of motor, replacing worn-out bushes, bearings, coupling, shaft etc. Reassembling the same, transporting back to site, installing, testing on commissioning all by engineer in charge	Job	1	8796.00	8796.00

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121	MR	Renovation of various types of earth pits to achieve the desired ohmic (earth resistance) values by digging the earth pit for 2 feet, replacing the rusted parts, funnels, filling the charcoal, salt etc. as per requirement.	Job	20	2000.00	40000.00
122	MR	Testing of earth pit electrodes through the authorized agency of the Electrical Inspectorate and submitting the report in prescribed format.	Job	40	1050.00	42000.00
123	MR	Supplying and replacing of Blue Silica Gel crystals in the Transformers Breathers.	kg	10	398.31	3983.05
		Subtotal				150408.05
		Subtotal incl. GST @18%				177481.50
		<b>Total Electrical AoR items incl. GST (B)</b>				<b>209428.17</b>
		<b>Total Electrical item works Estimated to (A+B) in Rs.</b>				<b>702847.17</b>



Estimated value of Firefighting system maintenace		
S.No	Description of Item	Amount in Rs.
124	Comprehensive Annual Maintenance Contract (AMC) of Firefighting systems installed at Offices, Dispensaries, DCBOs, and Staff Quarters at ESI Diagnostics Centre, Jeedimetla, Hyderabad, Telangana during the year 2025-26.	474351.73

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Wage structure					
S.No	Type of Manpower Category ---> A Area	Revised VDA rate w.e.f 01.04.2025			
		H.Skilled	Skilled	SemiSkilled	Unskilled
1	Rate of Central Minimum Wages / Day	1,065.00	981.00	893.00	805.00
2	Rate of Central Minimum Wages / Month	27,690.00	25,506.00	23,218.00	20,930.00
3	Bonus @ 8.33% on (2)	-	-	-	1,743.47
4	EPF employers contribution @13% on (2)	1,950.00	1,950.00	1,950.00	1,950.00
5	ESI employer contribution @3.25% on (2)	-	-	-	680.23
6	Sub Total (Sl. 2 to 5)	29,640.00	27,456.00	25,168.00	25,303.69
7	Contractor Profit & overhead charges @15 % ( on Sl No 6)	4,446.00	4,118.40	3,775.20	3,795.55
8	Total (Sl No. 6 to 7)	34,086.00	31,574.40	28,943.20	29,099.25
9	GST @ 18% on (8)	6,135.48	5,683.39	5,209.78	5,237.86
10	Wages per month (Sl No. 8 to 9)	40,221.48	37,257.79	34,152.98	34,337.11
11	<b>Wage per day</b>	<b>1,547.00</b>	<b>1,433.00</b>	<b>1,314.00</b>	<b>1,321.00</b>

