

| Cost for Manpower  |  |      |            |                      |               |                   |
|--|--|------|------------|----------------------|---------------|-------------------|
| <b>NAME OF WORK:</b> Annual Repairs, Maintenance and Operation (ARMO) for Electrical works of buildings, services, equipment and plants of ESI Hospital, Dispensary, Staff Quarters at Sirpur-Khagaznagar and ESI Hospital, Staff Quarters at Nizamabad, Telangana during 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 at Nizamabad</b>  |  |      |            |                      |               |                   |
| 1  | Electrician with Wireman License (In two Shifts) | 2    | Skilled    | 624                  | 1314.00       | 819936.00         |
| 2  | Electrical Helper (In two Shifts)                | 2    | Un Skilled | 624                  | 921.00        | 574704.00         |
| 3  | Releiver for Electrician                         | 1    | Skilled    | 104                  | 1314.00       | 136656.00         |
| 4  | Releiver for Electrical Helper                   | 1    | Un Skilled | 104                  | 921.00        | 95784.00          |
|  |  | 4.00 |            |                      |               |                   |
| <b>Subtotal Manpower</b>   |  |      |            |                      |               | <b>1627080.00</b> |

|  |  |      |            |     |         |                   |
|--|--|------|------------|-----|---------|-------------------|
| <b>Daily day to day operating, repairs and Services Electrical at Sirpur</b> |  |      |            |     |         |                   |
| 5  | Electrician with Wireman License (In two Shifts) | 2    | Skilled    | 624 | 1314.00 | 819936.00         |
| 6  | Electrical Helper (In two Shifts)                | 2    | Un Skilled | 624 | 921.00  | 574704.00         |
| 7  | Releiver for Electrician                         | 1    | Skilled    | 104 | 1314.00 | 136656.00         |
| 8  | Releiver for Electrical Helper                   | 1    | Un Skilled | 104 | 921.00  | 95784.00          |
|  |  | 4.00 |            |     |         |                   |
| <b>Subtotal Manpower</b>   |  |      |            |     |         | <b>1627080.00</b> |
| <b>Total Manpower</b>  |  |      |            |     |         | <b>3254160.00</b> |

  
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 कनिष्ठ अभियंता (विद्युत) / Senior Engineer (Electrical)  
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| Electrical Material Supply |              |  |       |          |        |         |
|----------------------------|--------------|--|-------|----------|--------|---------|
| S.No                       | DSR EnM 2022 | Details of Materials   | Unit  | Quantity | Rate   | Amount  |
| 9                          | 1224         | 20 mm dia. ISI marked, PVC conduit   | Metre | 20.00    | 21.00  | 420.00  |
| 10                         | 1225         | 25 mm dia. ISI marked, PVC conduit   | Metre | 20.00    | 29.00  | 580.00  |
| 11                         | 1229         | 20 mm PVC bends  | Each  | 20.00    | 8.00   | 160.00  |
| 12                         | 1230         | 25 mm PVC bends  | Each  | 20.00    | 11.00  | 220.00  |
| 13                         | 1234         | 20 mm PVC couplers   | Each  | 20.00    | 6.00   | 120.00  |
| 14                         | 1235         | 25 mm PVC couplers   | Each  | 20.00    | 7.00   | 140.00  |
| 15                         | 1401         | Ceiling rose, 3 pin, 5A ISI marked   | Each  | 5.00     | 20.00  | 100.00  |
| 16                         | 1402         | S.P. 5/6 amps, one-way modular switch, ISI marked -as per existing make.   | each  | 20.00    | 34.00  | 680.00  |
| 17                         | 1403         | S.P. 5/6 amps, two-way modular switch, ISI marked -as per existing make.   | each  | 2.00     | 68.00  | 136.00  |
| 18                         | 1404         | S.P. 15/16 amps, one-way modular switch, ISI marked -as per existing make. | each  | 20.00    | 74.00  | 1480.00 |
| 19                         | 1405         | 3 pin 5/6 amps' modular socket outlet, ISI marked -as per existing make.   | each  | 20.00    | 63.00  | 1260.00 |
| 20                         | 1406         | 6 pin 15/16 amps' modular socket outlet, ISI marked -as per existing make. | each  | 20.00    | 105.00 | 2100.00 |
| 21                         | 1407         | Modular bell push, ISI marked -as per existing make.                       | each  | 2.00     | 62.00  | 124.00  |
| 22                         | 1408         | Stepped type Modular Fan regulator -as per existing make.                  | each  | 5.00     | 220.00 | 1100.00 |
| 23                         | 1411         | Modular blanking plate -as per existing make.                              | each  | 2.00     | 16.00  | 32.00   |
| 24                         | 1420         | Modular base & cover plate for 1 module                                    | Each  | 2.00     | 42.00  | 84.00   |
| 25                         | 1421         | Modular base & cover plate for 2 modules                                   | each  | 2.00     | 42.00  | 84.00   |
| 26                         | 1422         | Modular base & cover plate for 3 modules                                   | each  | 5.00     | 56.00  | 280.00  |
| 27                         | 1423         | Modular base & cover plate for 4 modules                                   | each  | 5.00     | 61.00  | 305.00  |
| 28                         | 1424         | Modular base & cover plate for 6 modules                                   | each  | 5.00     | 79.00  | 395.00  |
| 29                         | 1425         | Modular base & cover plate for 8 modules                                   | each  | 2.00     | 101.00 | 202.00  |
| 30                         | 1426         | Modular base & cover plate for 12 modules                                  | each  | 1.00     | 147.00 | 147.00  |
| 31                         | 1431         | S.P. 5/6 amps, one way switch, piano type ISI marked                       | each  | 10.00    | 10.00  | 100.00  |
| 32                         | 1432         | S.P. 5/6 amps, two way switch, piano type ISI marked                       | each  | 5.00     | 19.00  | 95.00   |
| 33                         | 1433         | S.P. 15/16 amps, one way switch, piano type ISI marked                     | each  | 5.00     | 48.00  | 240.00  |
| 34                         | 1434         | 3 pin 5/6 amps socket outlet, piano type ISI marked                        | each  | 10.00    | 23.00  | 230.00  |
| 35                         | 1435         | 6 pin 15/16 & 5/6 amps socket outlet, piano type ISI marked                | each  | 10.00    | 60.00  | 600.00  |
| 36                         | 1436         | Bell push, piano type  | each  | 10.00    | 19.00  | 190.00  |
| 37                         | 1452         | PVC Batten /Angle Holder   | Each  | 5.00     | 22.00  | 110.00  |
| 38                         | 1705         | 25 A modular SPMCB, 'C' curve  | Each  | 2.00     | 161.00 | 322.00  |
| 39                         | 1706         | 6 amps. to 32 amps. ratings , SP MCB, "C" curve, 10 kA breaking capacity   | Each  | 2.00     | 135.00 | 270.00  |



|              |                     |  |             |                 |             |               |
|--------------|---------------------|--|-------------|-----------------|-------------|---------------|
| 40           | 1707                | 6 amps. to 32 amps. ratings , SPN MCB, "C" curve, 10 kA breaking capacity  | Each        | 2.00            | 394.00      | 788.00        |
| 41           | 1708                | 6 amps. to 32 amps. ratings , DP MCB, "C" curve, 10 kA breaking capacity   | Each        | 2.00            | 437.00      | 874.00        |
| 42           | 1709                | 6 amps. to 32 amps. ratings , TP MCB, "C" curve, 10 kA breaking capacity   | Each        | 2.00            | 702.00      | 1404.00       |
| 43           | 1710                | 6 amps. to 32 amps. ratings , TPN MCB, "C" curve, 10 kA breaking capacity  | Each        | 2.00            | 1710.00     | 3420.00       |
| 44           | 1711                | Single pole, blanking plate  | Each        | 5.00            | 8.00        | 40.00         |
| 45           | 1717                | 25 amps. rating, 2 pole RCCB, 30mA   | Each        | 1.00            | 1458.00     | 1458.00       |
| 46           | 1718                | 40 amps. rating, 2 pole RCCB, 30mA   | Each        | 1.00            | 1922.00     | 1922.00       |
| 47           | 1721                | 40 amps. rating, 4 pole RCCB, 30mA   | Each        | 1.00            | 2290.00     | 2290.00       |
| 48           | 1722                | 63 amps. rating, 4 pole RCCB, 30mA   | Each        | 1.00            | 2052.00     | 2052.00       |
| 49           | 2932                | 250 mm X 200 mm H.T. danger notice plate   | Each        | 2.00            | 72.00       | 144.00        |
| 50           | 2933                | 200 mm X 150 mm M.V. danger notice plate   | Each        | 2.00            | 54.00       | 108.00        |
| 51           | 2941                | Charcoal for Earth Pits  | kg          | 1.00            | 9.00        | 9.00          |
| 52           | 2943                | Salt for Earth Pits  | kg          | 1.00            | 10.80       | 10.80         |
| 53           | 2946                | Fine Sand for Fire Buckets   | cum         | 1.00            | 900.00      | 900.00        |
| 54           | 4147                | 25 mm dia MS flexible pipe with PVC coating along with all ancillaries & accessories like coupler etc.   | Metre       | 20.00           | 25.00       | 500.00        |
|              |                     | Subtotal DSR   |             |                 |             | 28225.80      |
|              |                     | Subtotal incl. CPOH @15%   |             |                 |             | 32459.67      |
|              |                     | Total DSR incl. GST @18% (A)   |             |                 |             | 38302.41      |
| <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> |
| 55           | ELEC-1.1.11.a       | Supply of 19/20 mm Saddles with Base.  | 100 No      | 1               | 308.00      | 308.00        |
| 56           | ELEC-1.1.11.b       | Supply of 25 mm Saddles with Base.   | 100 No      | 1               | 319.00      | 319.00        |
| 57           | 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        | 10              | 16.00       | 160.00        |
| 58           | 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       | 20.00           | 42.00       | 840.00        |
| 59           | ELEC-1.2.6.a        | Supply of 19/20 mm PVC Junction Boxes Normal. Makes : Sudhakar / Finolex / Modi / VIP / Precision DEC / Beljin   | 1No         | 10              | 26.00       | 260.00        |
| 60           | ELEC-1.2.6.b        | Supply of 25 mm PVC Junction Boxes Normal. Makes : Sudhakar / Finolex / Modi / VIP / Precision DEC / Beljin  | 1No         | 10              | 29.00       | 290.00        |



|    |              |   |          |      |         |         |
|----|--------------|---|----------|------|---------|---------|
| 61 | ELEC-1.3.2.a | Supply of Surface Mounted PVC Modular Gang Box. 1 or 2<br>Makes : Similar to Switches Make  | 1 No     | 5.00 | 71.00   | 355.00  |
| 62 | ELEC-1.3.2.b | Supply of Surface Mounted PVC Modular Gang Box. 3<br>Makes : Similar to Switches Make   | 1 No     | 5.00 | 101.00  | 505.00  |
| 63 | ELEC-1.3.2.c | Supply of Surface Mounted PVC Modular Gang Box. 4<br>Makes : Similar to Switches Make   | 1 No     | 5.00 | 121.00  | 605.00  |
| 64 | ELEC-1.3.2.d | Supply of Surface Mounted PVC Modular Gang Box. 6<br>Makes : Similar to Switches Make   | 1 No     | 5.00 | 163.00  | 815.00  |
| 65 | ELEC-1.3.2.e | Supply of Surface Mounted PVC Modular Gang Box. 8 or 9<br>Makes : Similar to Switches Make  | 1 No     | 2.00 | 210.00  | 420.00  |
| 66 | ELEC-1.3.2.f | Supply of Surface Mounted PVC Modular Gang Box. 12<br>Makes : Similar to Switches Make  | 1 No     | 1.00 | 257.00  | 257.00  |
| 67 | ELEC-1.5.2.a | Supply of 1.5 Sqmm FRLSH PVC insulated 1100V grade as per IS:694 / 2010 specification for Copper cable.<br>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 | 2.00 | 2110.00 | 4220.00 |
| 68 | ELEC-1.5.2.b | Supply of 2.5 Sqmm FRLSH PVC insulated 1100V grade as per IS:694 / 2010 specification for Copper cable.<br>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 | 2.00 | 3420.00 | 6840.00 |
| 69 | ELEC-1.5.2.c | Supply of 4.0 Sqmm FRLSH PVC insulated 1100V grade as per IS:694 / 2010 specification for Copper cable.<br>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 | 1.00 | 5270.00 | 5270.00 |



|    |              |  |          |       |          |          |
|----|--------------|--|----------|-------|----------|----------|
| 70 | ELEC-1.5.2.d | Supply of 6.0 Sqmm FRLSH PVC insulated 1100V grade as per IS:694 / 2010 specification for Copper cable.<br>Makes : RPG / Anchor / Power Flex / Sun Cab / Delton / Benlo / Gloster / Gemini / Unistar / Windsor / Payal / SPM / Elleys / Fybro / Gold Medal / GM / Million / Sudhakar / Nakoda / Bonton   | 100 Mtrs | 1.00  | 7865.00  | 7865.00  |
| 71 | ELEC-1.6.3.e | 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 |
| 72 | 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 |
| 73 | 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   |
| 74 | 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   |
| 75 | ELEC-3.3.16  | Supply and transportation of<br>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<br>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.<br>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.<br>LED MAKE : Philips Lumileds / Cree / Nichia / Osram / Samsung / LG LEDs. | Each     | 20.00 | 553.00   | 11060.00 |

|    |               |  |      |       |         |         |
|----|---------------|--|------|-------|---------|---------|
| 76 | ELEC-3.3.7.c  | Supply and transportation of 15W +/-10% ( $\geq 1350$ 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 $> 0.9$ , Surge protection: $> 2KV$ , System efficacy of $>90$ lumens/watt, CCT: 3000K - 6500K as desired by the department and as per IS, CRI $>80$ , and THD is less than 15% etc., complete with 5 years warranty with BIS Certification.<br>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<br>LED MAKE : Philips Lumileds / Cree / Nichia / Osram / Samsung / LG LEDs.                           | Each | 10.00 | 874.00  | 8740.00 |
| 77 | ELEC-3.3.20.a | Supply and Transportation of 30-36 W +/-10% ( $\geq 3960$ 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 $> 0.9$ , Surge protection $>2kV$ , System efficacy of $>110$ lumens/watt, CCT: 3000K - 6500K as desired by the department, CRI $>80$ , and THD is less than 15% etc., complete with 5 years warranty with BIS Certification.<br>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<br>LED MAKE : Philips Lumileds / Cree / Nichia / Osram / Samsung / LG LEDs. | Each | 2.00  | 2703.00 | 5406.00 |
| 78 | ELEC-3.4.1.c  | Supply of 9.0W LED Lamp with input voltage 90 to 300V, Colour temperature 3000k - 6500k, Beam angle 170 - 220 °C, B22 base. Makes: Phillips / OSRAM / Crompton / Eveready / Bajaj / Havells / Pharox / Halonix / IB LED/ Jaquar / GM / Gold Medal / Million / Syska.   | Each | 10.00 | 103.00  | 1030.00 |

|    |              |   |      |      |         |         |
|----|--------------|---|------|------|---------|---------|
| 79 | ELEC-3.5.3.c | <p>Supply and transportation of 43 / 45 W <math>\pm</math>10% (<math>\geq</math>3600 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.</p> <p>LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG / LG LEDs.</p> | Each | 2.00 | 2350.00 | 4700.00 |
|----|--------------|---|------|------|---------|---------|





|    |              |  |      |      |         |         |
|----|--------------|--|------|------|---------|---------|
| 80 | ELEC-3.5.3.e | Supply and transportation of 90W +/-10% (>=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 & Electrical compartments are IP 66) protected, wide operating voltage range, P.F > 0.90, System having efficacy >100 lumens / watt, with Ingress protection IP66, BIS approved Potted driver, Driver surge protection >10KV, THD<15%, CCT: 3000- 6500K as desired by the department and as per IS, CRI>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<br>LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG / LG LEDs. | Each | 2.00 | 4968.00 | 9936.00 |
|----|--------------|--|------|------|---------|---------|



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|    |              |  |      |      |         |          |
|----|--------------|--|------|------|---------|----------|
| 81 | ELEC-3.5.4.b | Supply and transportation of 90W +/-10% (>=9000 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 & Electrical compartments are IP 66 ) protected, wide operating voltage range , P.F > 0.90, System having efficacy >110 lumens/watt, with Ingress protection IP66, Driver surge protection >10KV, THD<15%, CCT: 3000- 6500K as desired by the department and as per IS, CRI>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<br>LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG / LG LEDs | Each | 1.00 | 6516.00 | 6516.00  |
| 82 | ELEC-5.1.1   | 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 8.0, Air delivery minimum 235 CMM, 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  | 1No. | 5.00 | 3085.00 | 15425.00 |

*Signature*

|   |                |  |        |       |         |                  |
|---|----------------|--|--------|-------|---------|------------------|
| 83  | ELEC-5.1.11.a  | Supply of 9" (225mm +/- 5%) Light duty exhaust fan with metal blades etc., complete for ante rooms / individual toilets.<br>Makes : Crompton / Havells Ventilair- DSP / Orient hill air. | 1No.   | 2.00  | 1555.00 | 3110.00          |
| 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   | 10.00 | 65.00   | 650.00           |
| 85  | ELEC-10.1.2    | Supply of Rawl Plugs   | 100 No | 2     | 45.00   | 90.00            |
| 86  | ELEC-10.1.15   | Supply of PVC / Cotton Insulation tape Role ( 10 Mtrs)   | 1No.   | 20    | 26.00   | 520.00           |
| 87  | ELEC-10.2.4    | Supply of LEGEND PLATES for Earth pits 40mm x 20mm   | 1 No   | 5     | 61.00   | 305.00           |
| 88  | ELEC-10.2.7    | Supply of Shock instrution chart in English / Hindi / Telugu duly framed with front glass.   | 1 No   | 2     | 576.00  | 1152.00          |
|   |                | Subtotal SSR EnM   |        |       |         | 146996.00        |
|   |                | Subtotal incl. CPOH @15%   |        |       |         | 169045.40        |
|   |                | Total SSR EnM incl. GST @18% (B)   |        |       |         | 199473.57        |
| <b>Total Electrical Materials Estimated to (A+B) in Rs.</b> |                |  |        |       |         | <b>237776.00</b> |

| Estimated value of Electrical Item Work  |                    |   |      |      |         |                  |
|--|--------------------|---|------|------|---------|------------------|
| S.No                                     | TG SSR<br>2024-25  | Description   | Unit | Qty  | Rate    | Amount           |
| <b>DSR/SSR Item works</b>                |                    |   |      |      |         |                  |
| 87                                       | ELEC-<br>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. | 5    | 740.00  | 3700.00          |
|  |                    | <b>Subtotal-I</b>   |      |      |         | <b>3700.00</b>   |
| <b>SUB STATION EQUIPMENT / SERVICING</b> |                    |   |      |      |         |                  |
| 88                                       | ELEC-<br>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         |
| 89                                       | ELEC-<br>8.18.16.b | Servicing of DBs duly opening the top cover checking the circuits, tighteting the screws, applying tape wherever required and making propoer dressing etc complete. 8 Way SPN DB  | No   | 2    | 112.00  | 224.00           |
| 90                                       | ELEC-<br>8.18.16.c | Servicing of DBs duly opening the top cover checking the circuits, tighteting the screws, applying tape wherever required and making propoer dressing etc complete. 12 Way SPN DB   | No   | 2    | 168.00  | 336.00           |
| 91                                       | ELEC-<br>8.18.16.e | Servicing of DBs duly opening the top cover checking the circuits, tighteting the screws, applying tape wherever required and making propoer dressing etc complete. 8 Way TPN DB  | No   | 2    | 336.00  | 672.00           |
| 92                                       | ELEC-<br>8.18.16.f | Servicing of DBs duly opening the top cover checking the circuits, tighteting the screws, applying tape wherever required and making propoer dressing etc complete. 12 Way TPN DB   | No   | 2    | 562.00  | 1124.00          |
| 93                                       | ELEC-<br>11.7.44   | Providing / Conducting complete fire audit including submission of fire audit report for the whole premises.  | Sq.m | 9923 | 7.00    | 69461.00         |
|  |                    | <b>Subtotal-II</b>  |      |      |         | <b>105267.00</b> |
| <b>Dismantling Rates</b>                 |                    |   |      |      |         |                  |
| 94                                       | ELEC-<br>16.1.2.a  | Dismantling the existing ceiling fan / exhaustfan / cabin fan for clearing the site.  | Job  | 20   | 19.00   | 380.00           |

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|                           |               |   |      |    |         |                  |
|---------------------------|---------------|---|------|----|---------|------------------|
| 95                        | 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> |               |   |      |    |         |                  |
| 96                        | ELEC-16.1.1.b | PVC insulated alluminium cables and wires   | 1 kg | 20 | -58.00  | -1160.00         |
| 97                        | ELEC-16.1.1.f | PVC pipe/ PVC materials.  | 1 kg | 20 | -6.00   | -120.00          |
| 98                        | ELEC-16.1.1.j | All types of ceiling fans/ cabin fans/ Bracket fans and pedestal fans etc.  | 1 No | 20 | -173.00 | -3460.00         |
| 99                        | ELEC-16.1.1.k | All type Tube light fittings/MV/SV/MH/LED fittings.   | 1 No | 20 | -24.00  | -480.00          |
| 100                       | 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  |      |    |         | 104677.00        |
|                           |               | Subtotal incl. CPOH @15%  |      |    |         | 120378.55        |
|                           |               | Total SSR (B) incl. GST @18%  |      |    |         | 142046.69        |
|                           |               | <b>Total Electrical item works Estimated to Rs (A).</b>   |      |    |         | <b>142047.00</b> |
| <b>Non DSR Item works</b> |               |   |      |    |         |                  |
| 101                       | 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          |
| 102                       | AoR           | Taking out the existing 440V, 3 Phase, 2/3HP 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          |
| 103                       | 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  | 4  | 2000.00 | 8000.00          |
| 104                       | MR            | Testing of earth pit electrodes through the authorized agency of the Electrical Inspectorate and submitting the report in prescribed format.  | Job  | 4  | 1050.00 | 4200.00          |

|     |    |   |      |    |         |                  |
|-----|----|---|------|----|---------|------------------|
| 105 | MR | Comprehensive Annual Maintenance Contract (CAMC) of Hi-wall split type Air conditioner of 1.5 and 2 TR capacity per Year per unit | Each | 17 | 5000.00 | 85000.00         |
|     |    | Subtotal  |      |    |         | 110877.00        |
|     |    | Subtotal incl. GST @18%   |      |    |         | 130834.86        |
|     |    | <b>Total Electrical AoR items incl. GST (B)</b>   |      |    |         | <b>154385.13</b> |
|     |    | <b>Total Electrical item works Estimated to (A+B) in Rs.</b>  |      |    |         | <b>296432.13</b> |



| Wage structure |   |                                   |           |             |           |
|----------------|---|-----------------------------------|-----------|-------------|-----------|
| S.No           | Type of Manpower  | Revised VDA rate w.e.f 01.04.2025 |           |             |           |
|                | Category ---> C Area                                    | H.Skilled                         | Skilled   | SemiSkilled | Unskilled |
| 1              | Rate of Central Minimum Wages / Day                     | 893.00                            | 760.00    | 632.00      | 541.00    |
| 2              | Rate of Central Minimum Wages / Month                   | 23,218.00                         | 19,760.00 | 16,432.00   | 14,066.00 |
| 3              | Bonus @ 8.33%   | -                                 | 1,646.01  | 1,368.79    | 1,171.70  |
| 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)                 | -                                 | 642.20    | 534.04      | 457.15    |
| 6              | Sub Total (Sl. 2 to 5)                                  | 25,168.00                         | 23,998.21 | 20,284.83   | 17,644.84 |
| 7              | Contractor Profit & overhead charges @15% ( on Sl No 6) | 3,775.20                          | 3,599.73  | 3,042.72    | 2,646.73  |
| 8              | Total (Sl No. 6 to 7)                                   | 28,943.20                         | 27,597.94 | 23,327.55   | 20,291.57 |
| 9              | GST @ 18% on (8)  | 5,209.78                          | 4,967.63  | 4,198.96    | 3,652.48  |
| 10             | Wages per month (Sl No. 8 to 9)                         | 34,152.98                         | 32,565.57 | 27,526.51   | 23,944.05 |
| 11             | Wage per day  | 1,314.00                          | 1,253.00  | 1,059.00    | 921.00    |

