

TECHNICAL SPECIFICATIONS

HINDUSTAN PETROLEUM CORPORATION LIMITED



**SCOPE OF JOB, STC and
TECHNICAL SPECIFICATIONS**

**Electrical Spares at kanpur
Terminal**

TECHNICAL SPECIFICATIONS

This tender is being floated for finalizing an Annual Rate Contract at Kanpur Terminal for the supply of various electrical materials on an “as and when required” basis.

The supply is to be made strictly on the basis of LOI/Release order , else LD will be applicable as per the GTC.

The objective is to ensure continuous compliance with the latest OISD standards and to maintain the electrical infrastructure and associated facilities in safe and operational condition.

Security Deposit and Retention

- **Security Deposit (SD):** Same as GTC clause.
- **Retention Money/CPBG:** Same as GTC clause.
- **LD:** Same as GTC clause

Important Guidelines

- **Timely completion and quality of work** shall be the essence of the contract.
- **No escalation or deviation in quoted rates** shall be permitted during the validity of the purchase order.
- **The rates quoted by the vendor shall remain firm for a period of two years from the PO date.**

Scope of Work for Vendor

1. The vendor shall arrange all **tools, equipment, machinery, and manpower** required for execution of the work strictly in accordance with the specifications mentioned in the tender line items.
2. All jobs shall be executed as per the **tender specifications and instructions of the Officer-in-Charge**, ensuring compliance with applicable standards and site requirements.

Vendor Instructions

1. Vendors are required to **quote rates for supply of electrical items at Kanpur Terminal**, inclusive of **freight and transportation charges**.
2. Vendors must **strictly adhere to the technical specifications mentioned in the tender**.
3. Vendors are strongly advised to **visit the site before submitting the quotation** to understand the job requirements and scope in detail.
4. Some items or quantities listed in the scope may **not necessarily be executed**. Vendors must quote rates for all items, and **payment shall be made only for the items and quantities actually executed**.
5. Work must be executed in a **time-bound manner**, failing which penalties as per corporation policy shall be applicable.

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6. The **value mentioned in the tender is indicative**, and payment shall be based solely on the **actual quantities executed**. Vendors should quote rates carefully, as improper rates may lead to financial loss to the contractor.

Payment Terms

Payment shall be released **within 15 days from the date of receipt of certified bills along with supporting documents**, subject to submission of necessary **test certificates wherever applicable** and receipt of materials.

Termination Clause

HPCL reserves the **right to terminate the contract at any time without assigning any reason**.

Tender Allocation

The item quantities are indivisible and the **entire quantity shall be awarded to L1**.

11. Technical Pre-Qualification: As per PQC.

B. The bidder must have an average annual turnover: As per PQC.

Contact Details

Hindustan Petroleum Corporation Ltd.
Kanpur Terminal
Village Rasulpur Gogumau, Raipur Gajner Road
Tehsil Akbarpur, Kanpur Dehat
Uttar Pradesh – 209121

Contact Person: Mansi Tiwari
Email: Mansi.Tiwari@hpcl.in
Phone: +91-7398516764

Special Terms and Conditions

1. Quoted rates shall be **inclusive of transportation, boarding, lodging, and all incidental expenses**.

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- Quantities mentioned in the schedule are **indicative**, and supply shall be carried out as advised by the Officer-in-Charge.
- Vendors are encouraged to **inspect the site and assess the job before quoting rates**.
- The vendor must be **fully aware of the job scope prior to submission of quotation**.

Note

Technical specifications provided in the STC shall supersede any other description mentioned elsewhere in the tender documents.

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Sno.	Material Description Material Number HSN/SAC Code	Item Quantity	. Unit of Measure	Item Description
1	Sup of 4cX25 Sq mm kit	10	Each	Supply of 4C x 25 Sq mm Cable Jointing Kit (Heat Shrink Type RAYCHEM/3M/DOWELLS/POLYCAB Make) or else approved by EIC
2	Sup of 4cX35 Sq mm kit	10	Each	Supply of 4C x 35 Sq mm Cable Jointing Kit (Heat Shrink Type RAYCHEM/3M/DOWELLS/POLYCAB Make) or else approved by EIC
3	Sup of 4cX50 Sq mm kit	10	Each	Supply of 4C x 50 Sq mm Cable Jointing Kit (Heat Shrink Type RAYCHEM/3M/DOWELLS/POLYCAB Make) or else approved by EIC
4	Sup of 4cX70 Sq mm kit	30	Each	Supply of 4C x 70 Sq mm Cable Jointing Kit (Heat Shrink Type RAYCHEM/3M/DOWELLS/POLYCAB Make) or else approved by EIC
5	Sup of 4c 95 Sq mm kit	30	Each	Supply of 4C x 95 Sq mm Cable Jointing Kit (Heat Shrink Type RAYCHEM/3M/DOWELLS/POLYCAB Make) or else approved by EIC
6	Sup of 4cX120 Sq mm kit	25	Each	Supply of 4C x 120 Sq mm Cable Jointing Kit (Heat Shrink Type RAYCHEM/3M/DOWELLS/POLYCAB Make) or else approved by EIC
7	Sup of 1cX630 Sq mm kit	20	Each	Supply of 1C x 630 Sq mm Cable Jointing Kit (Heat Shrink Type RAYCHEM/3M/DOWELLS/POLYCAB Make) or else approved by EIC

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8	Sup of FLP19 OD 3/4" gland	150	Each	Supply of FLP Cable Gland OD 19 mm 3/4 inch (Ex-d IIB/IIC IP66 BALIGA/EATON/COMET Make) or else approved by EIC
9	Sup of FLP10 OD 3/4" gland	150	Each	Supply of FLP Cable Gland OD 10 mm 3/4 inch (Ex-d IIB/IIC IP66 BALIGA/EATON/COMET Make) or else approved by EIC
10	Sup of FLP12 OD 3/4" gland	150	Each	Supply of FLP Cable Gland OD 12 mm 3/4 inch (Ex-d IIB/IIC IP66 BALIGA/EATON/COMET Make) or else approved by EIC
11	Supof FLP14 OD 3/4" gland	150	Each	Supply of FLP Cable Gland OD 14 mm 3/4 inch (Ex-d IIB/IIC IP66 BALIGA/EATON/COMET Make) or else approved by EIC
12	Sup of FLP17 OD 3/4" gland	150	Each	Supply of FLP Cable Gland OD 17 mm 3/4 inch (Ex-d IIB/IIC IP66 BALIGA/EATON/COMET Make) or else approved by EIC
13	Supof FLP20.5 OD 3/4" gland	150	Each	Supply of FLP Cable Gland OD 20.5 mm 3/4 inch (Ex-d IIB/IIC IP66 BALIGA/EATON/COMET Make) or else approved by EIC
14	Supof FLP21 OD 1" gland	150	Each	Supply of FLP Cable Gland OD 21 mm 1 inch (Ex-d IIB/IIC IP66 BALIGA/EATON/COMET Make) or else approved by EIC
15	Sup of FLP28 OD 1 3/4" gland	100	Each	Supply of FLP Cable Gland OD 28 mm 1.75 inch (Ex-d IIB/IIC IP66 BALIGA/EATON/COMET Make) or else approved by EIC
16	Sup of FLP32 OD 1 3/4" gland	70	Each	Supply of FLP Cable Gland OD 32 mm 1.75 inch (Ex-d IIB/IIC IP66 BALIGA/EATON/COMET Make) or else approved by EIC
17	Sup CIF 05- 1.1/4" ETGLAND	10	Each	Supply of FLP Cable Gland OD 32 mm 1.75 inch (Ex-d IIB/IIC IP66 BALIGA/EATON/COMET Make) or else approved by EIC
18	Sup CIF 06- 1.1/2" ET GLAND	10	Each	Supply of Gland (Ex-d IIB/IIC IP66 BALIGA/EATON/COMET Make) or else approved by EIC
19	Sup of FLP 25 OD 1" gland	40	Each	Supply of Gland (Ex-d IIB/IIC IP66 BALIGA/EATON/COMET Make) or else approved by EIC

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20	Sup Of 19 mm flp blind	150	Each	Supply of FLP Blind Plug 19 mm (Ex-d IIB/IIC IP66 BALIGA/EATON/COMET Make) or else approved by EIC
21	Sup Of 1/2" flp blind	40	Each	Supply of FLP Blind Plug 1/2 inch (Ex-d IIB/IIC IP66 BALIGA/EATON/COMET Make) or else approved by EIC
22	Sup Of 3/4" flp blind	40	Each	Supply of FLP Blind Plug 3/4 inch (Ex-d IIB/IIC IP66 BALIGA/EATON/COMET Make) or else approved by EIC
23	Sup Of 1" flp blind	40	Each	Supply of FLP Blind Plug 1 inch (Ex-d IIB/IIC IP66 BALIGA/EATON/COMET Make) or else approved by EIC
24	Sup Of 1.5" flp blind	40	Each	Supply of FLP Blind Plug 1.5 inch (Ex-d IIB/IIC IP66 BALIGA/EATON/COMET Make) or else approved by EIC
25	Sup of 1.5mm Cu lug U type	40	Each	Supply of Copper Lug 1.5 Sqmm U Type (Tinned Copper Heavy Duty DOWELLS/JAINSON/HEX Make) or else approved by EIC
26	Sup of 4 mm Cu lug U type	200	Each	Supply of Copper Lug 4 Sqmm U Type (Tinned Copper Heavy Duty DOWELLS/JAINSON/HEX Make) or else approved by EIC
27	Sup of 10 mm Cu lug U type	50	Each	Supply of Copper Lug 10 Sqmm U Type (Tinned Copper Heavy Duty DOWELLS/JAINSON/HEX Make) or else approved by EIC
28	Sup of 16 mm Cu lug U type	200	Each	Supply of Copper Lug 16 Sqmm U Type (Tinned Copper Heavy Duty DOWELLS/JAINSON/HEX Make) or else approved by EIC
29	Sup of 1.5mm CU lug ringtype	200	Each	Supply of Copper Lug 1.5 Sqmm Ring Type (Tinned Copper Heavy Duty DOWELLS/JAINSON/HEX Make) or else approved by EIC
30	Sup of 2.5mm CU lug ringtype	200	Each	Supply of Copper Lug 2.5 Sqmm Ring Type (Tinned Copper Heavy Duty DOWELLS/JAINSON/HEX Make) or else approved by EIC
31	Sup of 4mm CU lug ringtype	900	Each	Supply of Copper Lug 4 Sqmm Ring Type (Tinned Copper Heavy Duty

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				DOWELLS/JAINSON/HEX Make) or else approved by EIC
32	Sup of 6mm CU lug ringtype	1700	Each	Supply of Copper Lug 6 Sqmm Ring Type (Tinned Copper Heavy Duty DOWELLS/JAINSON/HEX Make) or else approved by EIC
33	Sup of 10mm CU lug ringtype	1000	Each	Supply of Copper Lug 10 Sqmm Ring Type (Tinned Copper Heavy Duty DOWELLS/JAINSON/HEX Make) or else approved by EIC
34	Sup of 16mm CU lug ringtype	500	Each	Supply of Copper Lug 16 Sqmm Ring Type (Tinned Copper Heavy Duty DOWELLS/JAINSON/HEX Make) or else approved by EIC
35	Sup of 25mm CU lug ringtype	200	Each	Supply of Copper Lug 25 Sqmm Ring Type (Tinned Copper Heavy Duty DOWELLS/JAINSON/HEX Make) or else approved by EIC
36	Sup of 35mm CU lug ringtype	200	Each	Supply of Copper Lug 35 Sqmm Ring Type (Tinned Copper Heavy Duty DOWELLS/JAINSON/HEX Make) or else approved by EIC
37	Sup of 50mm CU lug ringtype	200	Each	Supply of Copper Lug 50 Sqmm Ring Type (Tinned Copper Heavy Duty DOWELLS/JAINSON/HEX Make) or else approved by EIC
38	Sup of 70mm CU lug ringtype	50	Each	Supply of Copper Lug 70 Sqmm Ring Type (Tinned Copper Heavy Duty DOWELLS/JAINSON/HEX Make) or else approved by EIC
39	Sup of 95mm CU lug ringtype	50	Each	Supply of Copper Lug 95 Sqmm Ring Type (Tinned Copper Heavy Duty DOWELLS/JAINSON/HEX Make) or else approved by EIC
40	Sup of 1.5mm Cu lug pin type	50	Each	Supply of Copper Lug 1.5 Sqmm Pin Type (Tinned Copper Heavy Duty DOWELLS/JAINSON/HEX Make) or else approved by EIC
41	Sup of 10mm Cu lug pin type	20	Each	Supply of Copper Lug 10 Sqmm Pin Type (Tinned Copper Heavy Duty DOWELLS/JAINSON/HEX Make) or else approved by EIC
42	Sup of 16 mm Cu lug pin type	100	Each	Supply of Copper Lug 16 Sqmm Pin Type (Tinned Copper Heavy Duty DOWELLS/JAINSON/HEX Make) or else approved by EIC

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43	Sup of 630mm AL lug ring type	120	Each	Supply of Aluminium Lug 630 Sqmm Ring Type (Tinned Copper Heavy Duty DOWELLS/JAINSON/HEX Make) or else approved by EIC
44	Sup 16 mm AL lug pin type	100	Each	Supply of Aluminium Lug 16 Sqmm Pin Type (Tinned Copper Heavy Duty DOWELLS/JAINSON/HEX Make) or else approved by EIC
45	Sup of 2P 2AMCB	10	Each	Supply of 2P 2A MCB (10kA C Curve SIEMENS/L&T/HAVELLS/SCHNEIDER/C&S Make) or else approved by EIC
46	Sup of 2P 6AMCB	50	Each	Supply of 2P 6A MCB (10kA C Curve SIEMENS/L&T/HAVELLS/SCHNEIDER/C&S Make) or else approved by EIC
47	Sup of 2P 16AMCB	50	Each	Supply of 2P 16A MCB (10kA C Curve SIEMENS/L&T/HAVELLS/SCHNEIDER/C&S Make) or else approved by EIC
48	Sup of 2P 25AMCB	20	Each	Supply of 2P 25A MCB (10kA C Curve SIEMENS/L&T/HAVELLS/SCHNEIDER/C&S Make) or else approved by EIC
49	Sup of 4P 16AMCB	50	Each	Supply of 4P 16A MCB (10kA C Curve SIEMENS/L&T/HAVELLS/SCHNEIDER/C&S Make) or else approved by EIC
50	Sup of 4P 25AMCB	40	Each	Supply of 4P 25A MCB (10kA C Curve SIEMENS/L&T/HAVELLS/SCHNEIDER/C&S Make) or else approved by EIC
51	Sup of 4P 32AMCB	40	Each	Supply of 4P 32A MCB (10kA C Curve SIEMENS/L&T/HAVELLS/SCHNEIDER/C&S Make) or else approved by EIC
52	Sup of 4P 63AMCB	40	Each	Supply of 4P 63A MCB (10kA C Curve SIEMENS/L&T/HAVELLS/SCHNEIDER/C&S Make) or else approved by EIC

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53	Sup of 2P 25A 100 MA RCCB	8	Each	Supply of 2P 25A 100mA RCCB (30/100mA 415V SIEMENS/L&T/HAVELLS/SCHNEIDE R Make) or else approved by EIC
54	Sup of 4P 63A 30 MA RCCB	10	Each	Supply of 4P 63A 30mA RCCB (30/100mA 415V SIEMENS/L&T/HAVELLS/SCHNEIDE R Make) or else approved by EIC
55	Sup of 4P 40A 100 MA RCCB	20	Each	Supply of 4P 40A 100mA RCCB (30/100mA 415V SIEMENS/L&T/HAVELLS/SCHNEIDE R Make) or else approved by EIC
56	Sup of 300X 4.8 CABLE TIE	400	Each	Supply of Nylon Cable Tie 300 x 4.8 mm (Nylon UV Resistant PANDUIT/HELLERMANNTYTON/DO WELLS Make) or else approved by EIC
57	Sup of 250X 3.6 CABLE TIE	250	Each	Supply of Nylon Cable Tie 250 x 3.6 mm (Nylon UV Resistant PANDUIT/HELLERMANNTYTON/DO WELLS Make) or else approved by EIC
58	Sup of 100X 1.8 CABLE TIE (Packet -200 Pc)	120	Each	Supply of Nylon Cable Tie 100 x 1.8 mm (Nylon UV Resistant PANDUIT/HELLERMANNTYTON/DO WELLS Make) or else approved by EIC
59	Sup MCX 2 4POLE CONTACTOR	8	Each	Supply of 4 Pole Power Contactor MCX-2, 415 V AC Coil, Industrial Duty (L&T/SCHNEIDER/SIEMENS/ABB Make) or else approved by EIC
60	Sup MCX 3 4POLE CONTACTOR	8	Each	Supply of 4 Pole Power Contactor MCX-3, 415 V AC Coil, Industrial Duty (L&T/SCHNEIDER/SIEMENS/ABB Make) or else approved by EIC
61	Sup of MNX 50	4	Each	Supply of Power Contactor MNX- 50, 3 Pole, 415 V AC Coil, Heavy Duty (L&T/SCHNEIDER/SIEMENS/ABB Make) or else approved by EIC
62	Sup of MNX 140	4	Each	Supply of Power Contactor MNX- 140, 3 Pole, 415 V AC Coil, Heavy Duty (L&T/SCHNEIDER/SIEMENS/ABB Make) or else approved by EIC

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63	Sup of MNX 185	4	Each	Supply of Power Contactor MNX-185, 3 Pole, 415 V AC Coil, Heavy Duty (L&T/SCHNEIDER/SIEMENS/ABB Make) or else approved by EIC
64	Sup of MX -A1 31E	14	Each	Supply of Auxiliary Contact Block MX-A1 31E for Contactor, Industrial Grade (L&T/SCHNEIDER/SIEMENS/ABB Make) or else approved by EIC
65	Sup OF 3 POLE DC CONTCTOR	6	Each	Supply of 3 Pole DC Contactor Suitable for DC Control Circuit (L&T/SCHNEIDER/SIEMENS/ABB Make) or else approved by EIC
66	Sup of 63A ABB contactor	8	Each	Supply of 3 Pole Power Contactor 63 A, 415 V AC Coil (ABB/L&T/SCHNEIDER/SIEMENS Make) or else approved by EIC
67	Supply of DC>2-26 CRC (1 box-400g)	150	Each	Supply of Anti-Rust Spray CRC 2-26 Electrical Contact Cleaner Lubricant, 400 g Pack (CRC/WD-40 Make) or else approved by EIC
68	Sup OF INPUT-24VAC/DC RELAY	15	Each	Supply of Interface Relay with 24 V AC/DC Input Coil with Base (OMRON/SCHNEIDER/ABB Make) or else approved by EIC
69	Sup of 4-way FLP JEB	12	Each	Supply of 4 Way Flameproof Junction Box, Cast Aluminium, IP65/66, Suitable for Hazardous Area (BALIGA/FLAMEPROOF/ACE/CMRI Approved Make) or else approved by EIC
70	Sup of 18 W LED tubelight	40	Each	Supply of LED Tube Light 18 W with Housing, 230 V AC (PHILIPS/WIPRO/HAVELLS/BAJAJ Make) or else approved by EIC
71	Sup of panel fan cover	100	Each	Supply of Metal Fan Guard Cover Suitable for Panel Ventilation Fan (RITTAL/SCHNEIDER/LOCAL INDUSTRIAL Make) or else approved by EIC
72	Supof panel fan120X120X38 MM	100	Each	Supply of Panel Cooling Fan 120×120×38 mm, 230 V AC Industrial Grade (RITTAL/SCHNEIDER/EBM PAPST Make) or else approved by EIC

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73	Supof16A PLUG	15	Each	Supply of 16 A Industrial Plug Top 230 V AC (ANCHOR/HAVELLS/LEGRAND Make) or else approved by EIC
74	Supof32A PLUG	8	Each	Supply of 32 A Industrial Plug Top Heavy Duty (ANCHOR/HAVELLS/LEGRAND Make) or else approved by EIC
75	Supof16A SOCKET	15	Each	Supply of 16 A Industrial Socket Outlet 230 V AC (ANCHOR/HAVELLS/LEGRAND Make) or else approved by EIC
76	Supof32A SOCKET	10	Each	Supply of 32 A Industrial Socket Outlet Heavy Duty (ANCHOR/HAVELLS/LEGRAND Make) or else approved by EIC
77	Sup of 4SKT EXTENSION BOARD	5	Each	Supply of 4 Socket Extension Board with Heavy Duty Cable and Switch (ANCHOR/HAVELLS/LEGRAND Make) or else approved by EIC
78	Sup of 6SKT EXTENSION BOARD	15	Each	Supply of 6 Socket Extension Board with Heavy Duty Cable and Switch (ANCHOR/HAVELLS/LEGRAND Make) or else approved by EIC
79	Sup of 2 WAY MODULAR BOARD	10	Each	Supply of 2 Way Modular Switch Board with Plate and Box (ANCHOR/HAVELLS/LEGRAND Make) or else approved by EIC
80	Sup of 3 WAY MODULAR BOARD	5	Each	Supply of 3 Way Modular Switch Board with Plate and Box (ANCHOR/HAVELLS/LEGRAND Make) or else approved by EIC
81	Sup of 4 WAY MODULAR BOARD	20	Each	Supply of 4 Way Modular Switch Board with Plate and Box (ANCHOR/HAVELLS/LEGRAND Make) or else approved by EIC
82	Sup of 6 WAY MODULAR BOARD	45	Each	Supply of 6 Way Modular Switch Board with Plate and Box (ANCHOR/HAVELLS/LEGRAND Make) or else approved by EIC
83	Sup of 8 WAY MODULAR BOARD	35	Each	Supply of 8 Way Modular Switch Board with Plate and Box (ANCHOR/HAVELLS/LEGRAND Make) or else approved by EIC
84	Sup OF 6A SWITCH	45	Each	Supply of Modular Switch 6 A 230 V AC (ANCHOR/HAVELLS/LEGRAND Make) or else approved by EIC

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85	Sup OF 16A SWITCH	45	Each	Supply of Modular Switch 16 A 230 V AC (ANCHOR/HAVELLS/LEGRAND Make) or else approved by EIC
86	Sup OF 6A SOCKET	45	Each	Supply of Modular Socket 6 A 230 V AC (ANCHOR/HAVELLS/LEGRAND Make) or else approved by EIC
87	Sup OF 16A SOCKET	45	Each	Supply of Modular Socket 16 A 230 V AC (ANCHOR/HAVELLS/LEGRAND Make) or else approved by EIC
88	Sup of led bulb 9w pin type	95	Each	Supply of LED Bulb 9 W Pin Type Energy Efficient Lamp (PHILIPS/WIPRO/HAVELLS/BAJAJ Make) or else approved by EIC
89	Sup of led 2X2 36 W	40	Each	Supply of LED Panel Light 2x2 ft 36 W Ceiling Mount Type (PHILIPS/WIPRO/HAVELLS/BAJAJ Make) or else approved by EIC
90	Sup of FALL CEILING LED 2X2 36W	20	Each	Supply of LED False Ceiling Panel Light 2x2 ft 36 W Recessed Type (PHILIPS/WIPRO/HAVELLS/BAJAJ Make) or else approved by EIC
91	Sup of capacitor of 2.5 uf	95	Each	Supply of Motor Run Capacitor 2.5 μ F 440 V AC Polypropylene Type (EPCOS/TDK/KELTRON Make) or else approved by EIC
92	Sup of battery terminal cover	195	Each	Supply of Battery Terminal Insulation Cover Heavy Duty Rubber Type
93	Sup of Silicon Adhesive (700 G)	95	Each	Supply of Industrial Grade Silicone Adhesive Sealant 700 g Pack (PIDILITE/DOWSIL/ANABOND Make) or else approved by EIC
94	Sup of pvc gland of 20mm	45	Each	Supply of PVC Cable Gland 20 mm Suitable for Cable Entry (HENSEL/DOWELLS/LOCAL INDUSTRIAL Make) or else approved by EIC
95	65 W Well Glass FLP Light	10	Each	Supply of 65W FLP Well Glass LED Light (Ex-d IIB/IIC IP66 BALIGA/EATON/WAROM Make) or else approved by EIC
96	Sup of pvc gland of 16mm	45	Each	Supply of PVC Cable Gland 16 mm Suitable for Cable Entry with Lock Nut (AKG/Precision/Similar Make) or else approved by EIC
97	Sup of pvc gland of 32mm	45	Each	Supply of PVC Cable Gland 32 mm Suitable for Cable Entry with Lock

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				Nut (AKG/Precision/Similar Make) or else approved by EIC
98	Sup of pvc gland of 50mm	45	Each	Supply of PVC Cable Gland 50 mm Suitable for Cable Entry with Lock Nut (AKG/Precision/Similar Make) or else approved by EIC
99	Sup of T.b. 12way	45	Each	Supply of 12 Way Terminal Block with Insulated Housing (CONNECTWELL/PHOENIX/WAGO Make) or else approved by EIC
100	Sup of T.b. 4way	45	Each	Supply of 4 Way Terminal Block with Insulated Housing (CONNECTWELL/PHOENIX/WAGO Make) or else approved by EIC
101	Sup of T.b. 6way	45	Each	Supply of 6 Way Terminal Block with Insulated Housing (CONNECTWELL/PHOENIX/WAGO Make) or else approved by EIC
102	Sup of T.b.4 GREY 32A	195	Each	Supply of Grey Terminal Block 32A Panel Mounting Type (CONNECTWELL/PHOENIX/WAGO Make) or else approved by EIC
103	Sup of T.b.2.5 GREY 25A	195	Each	Supply of Grey Terminal Block 2.5 Sqmm 25A Rating (CONNECTWELL/PHOENIX/WAGO Make) or else approved by EIC
104	Sup of T.b.2.5 GREY 16A	195	Each	Supply of Grey Terminal Block 2.5 Sqmm 16A Rating (CONNECTWELL/PHOENIX/WAGO Make) or else approved by EIC
105	Sup of Hrc fuse 2A	195	Each	Supply of HRC Fuse 2A Suitable for LT Panel Protection (L&T/SIEMENS/ABB Make) or else approved by EIC
106	Sup of hrc fuse 4A	35	Each	Supply of HRC Fuse 4A Suitable for LT Panel Protection (L&T/SIEMENS/ABB Make) or else approved by EIC
107	Sup of hrc fuse 10A	35	Each	Supply of HRC Fuse 10A Suitable for LT Panel Protection (L&T/SIEMENS/ABB Make) or else approved by EIC
108	Sup of hrc fuse 20A	35	Each	Supply of HRC Fuse 20A Suitable for LT Panel Protection (L&T/SIEMENS/ABB Make) or else approved by EIC

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109	Sup of digital timer 20A	45	Each	Supply of Digital Timer Switch 20A 230V Programmable Type (L&T/SCHNEIDER/SELEC Make) or else approved by EIC
110	Sup indicator lamp220V	85	Each	Supply of Panel Indicator Lamp 220V LED Type (L&T/SCHNEIDER/SIEMENS Make) or else approved by EIC
111	Sup indicator lamp110VAC/DC	95	Each	Supply of Panel Indicator Lamp 110V AC/DC LED Type (L&T/SCHNEIDER/SIEMENS Make) or else approved by EIC
112	Sup indicator lamp24V	95	Each	Supply of Panel Indicator Lamp 24V LED Type (L&T/SCHNEIDER/SIEMENS Make) or else approved by EIC
113	Sup of green wire 6 SQMM	2400	m	Supply of FRLS Copper Wire 6 Sqmm Green Colour 1100V Grade (POLYCAB/FINOLEX/RR Kabel Make) or else approved by EIC
114	Sup of red WIRE 2.5 SQ MM	95	m	Supply of FRLS Copper Wire 2.5 Sqmm Red Colour 1100V Grade (POLYCAB/FINOLEX/RR Kabel Make) or else approved by EIC
115	Sup of yellow WIRE 2.5 SQ MM	95	m	Supply of FRLS Copper Wire 2.5 Sqmm Yellow Colour 1100V Grade (POLYCAB/FINOLEX/RR Kabel Make) or else approved by EIC
116	Sup of blue WIRE 2.5 SQ MM	95	m	Supply of FRLS Copper Wire 2.5 Sqmm Blue Colour 1100V Grade (POLYCAB/FINOLEX/RR Kabel Make) or else approved by EIC
117	Sup of black WIRE 2.5 SQ MM	95	m	Supply of FRLS Copper Wire 2.5 Sqmm Black Colour 1100V Grade (POLYCAB/FINOLEX/RR Kabel Make) or else approved by EIC
118	Sup of duracell battery	195	Each	Supply of Dry Cell Battery Heavy Duty
119	Sup ofSilicaJelbreather 1kg	5	Each	Supply of Silica Gel Breather 1 kg Suitable for Transformer Moisture Control or else approved by EIC
120	Sup of Exhaust fan (2*2)	10	Each	Supply of Exhaust Fan 2 ft x 2 ft Heavy Duty Industrial Type (USHA/CROMPTON/HAVELLS Make) or else approved by EIC
121	SUP OF MPCB	10	Each	Supply of Motor Protection Circuit Breaker Adjustable Thermal

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				Magnetic Type (L&T/SCHNEIDER/SIEMENS Make) or else approved by EIC
122	Sup of 30TO50A MN2 OLR RELAY	5	Each	Supply of Overload Relay 30–50A MN2 Type for Motor Protection (L&T/SCHNEIDER Make) or else approved by EIC
123	Sup of 14TO23A MN2 O/L R RELAY	15	Each	Supply of Overload Relay 14–23A MN2 Type for Motor Protection (L&T/SCHNEIDER Make) or else approved by EIC
124	Sup of TNC SWITCH	5	Each	Supply of TNC Selector Switch Panel Mounting Type (L&T/SCHNEIDER Make) or else approved by EIC
125	Sup of LT CABLE Marker	195	Each	Supply of LT Cable Identification Marker Tag Type or else approved by EIC
126	Sup of HT CABLE marker	295	Each	Supply of HT Cable Identification Marker Tag Type or else approved by EIC
127	Sup of TAS CABLE marker	45	Each	Supply of TAS Cable Identification Marker Tag Type or else approved by EIC
128	Sup of OFC CABLE marker	195	Each	Supply of OFC Cable Identification Marker Tag Type or else approved by EIC
129	Sup of PVC SADDIE CLIP 4 MM	395	Each	Supply of PVC Saddle Clip 4 mm Cable Holding Type or else approved by EIC
130	Sup of PVC SADDIE CLIP 6MM	395	Each	Supply of PVC Saddle Clip 6 mm Cable Holding Type or else approved by EIC
131	Sup of PVC SADDIE CLIP 8 MM	395	Each	Supply of PVC Saddle Clip 8 mm Cable Holding Type or else approved by EIC
132	Sup of PVC SADDIE CLIP 16 MM	195	Each	Supply of PVC Saddle Clip 16 mm Cable Holding Type or else approved by EIC
133	Sup of SPL LED 50 W	295	Each	Supply of LED Flood/Street Light 50 W IP65 Outdoor Type (PHILIPS/WIPRO/HAVELLS Make) or else approved by EIC
134	Sup of PVC COND PIPE 20MM	95	M	Supply of PVC Conduit Pipe 20 mm Heavy Duty Electrical Grade

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				(AKG/FINOLEX Make) or else approved by EIC
135	Sup of PVC COND PIPE 25MM	95	M	Supply of PVC Conduit Pipe 25 mm Heavy Duty Electrical Grade (AKG/FINOLEX Make) or else approved by EIC
136	Sup of PVC COND PIPE 32MM	95	M	Supply of PVC Conduit Pipe 32 mm Heavy Duty Electrical Grade (AKG/FINOLEX Make) or else approved by EIC
137	Supof HT VOL DIScharge ROD 33KV	2	Each	Supply of HT Voltage Discharge Rod Suitable for 33 kV System with Insulated Handle or else approved by EIC
138	SUPOF 0TO9 FERRULE 1.5 SQMM	95	Each	Supply of Cable Ferrule 0–9 Numbering 1.5 Sqmm Wire Size or else approved by EIC
139	SUPOF ATOZ FERRULE 1.5 SQMM	95	Each	Supply of Cable Ferrule A–Z Numbering 1.5 Sqmm Wire Size or else approved by EIC
140	SUPOF 0TO9 FERRULE 2.5 SQMM	95	Each	Supply of Cable Ferrule 0–9 Numbering 2.5 Sqmm Wire Size or else approved by EIC
141	SUPOF ATOZ FERRULE 2.5 SQMM	95	Each	Supply of Cable Ferrule A–Z Numbering 2.5 Sqmm Wire Size or else approved by EIC
142	Sup of MOTORPROTECTIONRELAY (32 A)	10	Each	Supply of Motor Protection Relay 32A Electronic Type (L&T/SCHNEIDER/SIEMENS Make) or else approved by EIC
143	Sup of 100 mA GLASS FUSE	95	Each	Supply of Glass Cartridge Fuse 100 mA Panel Mounting Type or else approved by EIC
144	Sup of 6A GLASS FUSE	45	Each	Supply of Glass Cartridge Fuse 6A Panel Mounting Type or else approved by EIC
145	Sup of CASING CAPPING 1"	95	Each	Supply of PVC Casing and Capping 1" Electrical Wiring Type (AKG/FINOLEX Make) or else approved by EIC
146	Sup CONCTR A75 125A3P110VAC	5	Each	Supply of 3 Pole Contactor 125A Coil Voltage 110VAC (ABB/L&T/SCHNEIDER Make) or else approved by EIC

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147	Sup CONCTR A110- 160A3P110VAC	5	Each	Supply of 3 Pole Contactor 160A Coil Voltage 110VAC (ABB/L&T/SCHNEIDER Make) or else approved by EIC
148	Sup CONCTR A63 125A3P110VAC	5	Each	Supply of 3 Pole Contactor 63A Coil Voltage 110VAC (ABB/L&T/SCHNEIDER Make) or else approved by EIC
149	Sup AUX CONCTR N 25A 110VAC	3	Each	Supply of Auxiliary Contactor 25A Coil Voltage 110VAC (ABB/L&T/SCHNEIDER Make) or else approved by EIC
150	SUP AUX CONTACTS NO 110V	3	Each	Supply of Auxiliary Contact NO 110V Suitable for Contactor (ABB/L&T/SCHNEIDER Make) or else approved by EIC
151	SUP AUX CONTACTS NC 110V	3	Each	Supply of Auxiliary Contact NC 110V Suitable for Contactor (ABB/L&T/SCHNEIDER Make) or else approved by EIC
152	SUP CARTRIDGEFUSE 10X38MM 2A	45	Each	Supply of Cartridge Fuse 10x38 mm 2A Rating (L&T/SIEMENS Make) or else approved by EIC
153	SUP CARTRIDGEFUSE 10X38MM 6A	40	Each	Supply of Cartridge Fuse 10x38 mm 6A Rating (L&T/SIEMENS Make) or else approved by EIC
154	SUP UV - OV RELAY -S2 VMR3	5	Each	Supply of Under Voltage/Over Voltage Relay VMR3 Type (SELEC/L&T Make) or else approved by EIC
155	SUP 33KV BARREL FUSE	15	Each	Supply of 33 kV Barrel Fuse for HT Protection Suitable for Outdoor Structure or else approved by EIC
156	SUP BATTERY TERMINAL CIAMP	45	Each	Supply of Battery Terminal Clamp Heavy Duty Brass Type or else approved by EIC
157	SUP SELECTOR SWITCH ROATARY	15	Each	Supply of Rotary Selector Switch Panel Mounting Type (L&T/SCHNEIDER Make) or else approved by EIC
158	SUP AUXILIARY CONTACT3SB540 0	5	Each	Supply of Auxiliary Contact Block 3SB5400 Type (SIEMENS/L&T Make) or else approved by EIC
159	SUP PUSBUTTON BLOCK 1NO MD	15	Each	Supply of Push Button Contact Block 1NO Modular Type (L&T/SCHNEIDER Make) or else approved by EIC

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160	SUP PUSBUTTON BLOCK 1NC MD	15	Each	Supply of Push Button Contact Block 1NC Modular Type (L&T/SCHNEIDER Make) or else approved by EIC
161	SUP MTR PROTN RELAY 5 TO 6A	5	Each	Supply of Motor Protection Relay 5–6A Adjustable Type (L&T/SCHNEIDER Make) or else approved by EIC
162	SUP SMPS NDR - 240 V-24V	5	Each	Supply of SMPS Power Supply 240V AC Input 24V DC Output (MEANWELL/OMRON Make) or else approved by EIC
163	SUP 3 PHASE ROTAION METER	5	Each	Supply of 3 Phase Rotation Meter for Phase Sequence Indication (MECO/HTC Make) or else approved by EIC
164	SUP16 MM HSS HOLES AW CUTTER	5	Each	Supply of HSS Hole Saw Cutter 16 mm for Panel Drilling (BOSCH/JK Make) or else approved by EIC
165	SUP18.5 MM HSS HOLES AW CUTTER	5	Each	Supply of HSS Hole Saw Cutter 18.5 mm for Panel Drilling (BOSCH/JK Make) or else approved by EIC
166	SUP22 MM HSS HOLES AW CUTTER	5	Each	Supply of HSS Hole Saw Cutter 22 mm for Panel Drilling (BOSCH/JK Make) or else approved by EIC
167	SUP25 MM HSS HOLES AW CUTTER	5	Each	Supply of HSS Hole Saw Cutter 25 mm for Panel Drilling (BOSCH/JK Make) or else approved by EIC
168	SUP30 MM HSS HOLES AW CUTTER	5	Each	Supply of HSS Hole Saw Cutter 30 mm for Panel Drilling (BOSCH/JK Make) or else approved by EIC
169	SUP CONTACTOR 3 POLE 25A (power Contactor-230)	5	Each	Supply of 3 Pole Power Contactor 25A Coil Voltage 230V (L&T/SCHNEIDER Make) or else approved by EIC
170	SUP ROTARY SWITCH 16A FLP	5	Each	Supply of Flameproof Rotary Switch 16A Ex-d IIB/IIC IP65 (BALIGA/COMET Make) or else approved by EIC
171	SUPHT CABLE JIONTING KIT 3M	5	Each	Supply of HT Cable Jointing Kit Suitable for 33kV Cable (3M/RAYCHEM Make) or else approved by EIC
172	SUP HT TAPE 3M	15	Each	Supply of Insulating HT Tape for Electrical Insulation (3M Make) or else approved by EIC

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173	SUP PANEL HEATER 80W 240V AC	5	Each	Supply of Panel Heater 80W 240V AC Anti-Condensation Type (STEGO/OMRON Make) or else approved by EIC
174	SUP PANELHEATER150W 240 V AC	5	Each	Supply of Panel Heater 150W 240V AC Anti-Condensation Type (STEGO/OMRON Make) or else approved by EIC
175	HT DANGER BOARD	2	Each	Supply of HT Danger Board Suitable for 33kV Installation as per Safety Standard or else approved by EIC
176	LT DANGER BOARD	25	Each	Supply of LT Danger Board Suitable for Electrical Panels as per Safety Standard or else approved by EIC
177	TRANSFORMER LEVEL INDICATOR	2	Each	Supply of Transformer Oil Level Indicator Dial Type or else approved by EIC
178	EARTHING FUNNEL 1 "	45	Each	Supply of GI Earthing Funnel 1" with Wire Mesh Cover or else approved by EIC
179	EARTHING FUNNEL 2.5 "	45	Each	Supply of GI Earthing Funnel 2.5" with Wire Mesh Cover or else approved by EIC
180	EARTHING FUNNEL 3 "	45	Each	Supply of GI Earthing Funnel 3" with Wire Mesh Cover or else approved by EIC
181	EARTHING FUNNEL 4 "	45	Each	Supply of GI Earthing Funnel 4" with Wire Mesh Cover or else approved by EIC
182	CABLE tag	395	Each	Supply of Cable Identification Tag Aluminium/Plastic Type or else approved by EIC
183	Earthing strip 50 MM x 6 MM	95	M	Supply of GI Earthing Strip 50 mm x 6 mm Hot Dip Galvanized or else approved by EIC
184	Earthing strip 40 MM x 6 MM	95	M	Supply of GI Earthing Strip 40 mm x 6 mm Hot Dip Galvanized or else approved by EIC
185	Media convertor (5 V- 12 V)	40	Each	Supply of Media Converter 5V–12V Ethernet to Fiber Converter (D-LINK/TP-LINK Make) or else approved by EIC
186	AC/DC Adapter (5 V- 24V)	45	Each	Supply of AC/DC Adapter 5V–24V Output Power Supply Unit or else approved by EIC

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187	Copper braided wire 5190500726	25	kilogram	Supply of Flexible Copper Braided Earthing Wire Heavy Duty Type or else approved by EIC
188	Supply of LED FLP Lights 150 W	10	Each	Supply of 150W FLP LED Light (Ex-d IIB/IIC IP66 BALIGA/EATON/WAROM Make) or else approved by EIC
189	Supply of LED STREET LIGHT 90W	65	Each	Supply of LED Street Light 90 W, IP66 Outdoor Type, Die Cast Aluminium Housing with Surge Protection, 230 V AC (PHILIPS/WIPRO/HAVELLS/BAJAJ Make) or else approved by EIC
190	Supply of LED FLOOD LIGHT 120W	10	Each	Supply of LED Flood Light 120 W, IP66 Weather Proof Die Cast Aluminium Body with Toughened Glass, 230 V AC (PHILIPS/WIPRO/HAVELLS/BAJAJ Make) or else approved by EIC
191	Supply of LED FLOOD LIGHT 150W	10	Each	Supply of LED Flood Light 150 W, IP66 Weather Proof Die Cast Aluminium Body with Toughened Glass, 230 V AC (PHILIPS/WIPRO/HAVELLS/BAJAJ Make) or else approved by EIC
192	Supply of LED FLOOD LIGHT 300W	10	Each	Supply of LED Flood Light 300 W, IP66 Weather Proof Die Cast Aluminium Body with Toughened Glass, 230 V AC (PHILIPS/WIPRO/HAVELLS/BAJAJ Make) or else approved by EIC
193	Supply of LED Bulb 40-60 W	40	Each	Supply of LED Bulb 40–60 W, B22 Base Energy Efficient Lamp, 230 V AC (PHILIPS/WIPRO/HAVELLS/BAJAJ Make) or else approved by EIC
194	Supply of Power cable 3CX2.5Sqmm	375	M	Supply of LT Power Cable 3C x 2.5 Sqmm, XLPE Insulated PVC Sheathed Copper Conductor Armoured Cable, 1.1 kV Grade (POLYCAB/FINOLEX/KEI/RR Kabel Make) or else approved by EIC
195	Supply of Control cable 2PX1.5Sqmm	295	M	Supply of Control Cable 2 Pair x 1.5 Sqmm Copper Conductor PVC Insulated PVC Sheathed Armoured Cable (POLYCAB/FINOLEX/KEI/RR

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				Kabel Make) or else approved by EIC
196	Supply Fiber optical cable (12 C)	695	M	Supply of 12 Core Single Mode Armoured Optical Fiber Cable Suitable for Outdoor Installation (STERLITE/POLYCAB/FINOLEX Make) or else approved by EIC
197	Supply of power cable 4CXC4SQM	495	M	Supply of LT Power Cable 4C x 4 Sqmm XLPE Insulated PVC Sheathed Copper Conductor Armoured Cable 1.1 kV Grade (POLYCAB/FINOLEX/KEI/RR Kabel Make) or else approved by EIC
198	Supply of ARMOURED CAT6	595	M	Supply of CAT6 Armoured LAN Cable Outdoor Grade with PE Sheath (D-LINK/MOLEX/COMMSCOPE/FINOLEX Make) or else approved by EIC
199	Supply of Control cable 2CX1.5SQm	395	M	Supply of Control Cable 2C x 1.5 Sqmm Copper Conductor PVC Insulated PVC Sheathed Armoured Cable (POLYCAB/FINOLEX/KEI/RR Kabel Make) or else approved by EIC
200	Supply of Control cable 19CX1.5SQm	295	M	Supply of Control Cable 19C x 1.5 Sqmm Copper Conductor PVC Insulated PVC Sheathed Armoured Cable (POLYCAB/FINOLEX/KEI/RR Kabel Make) or else approved by EIC
201	Supply of Power cable 2CX1.5Sqm	395	M	Supply of LT Power Cable 2C x 1.5 Sqmm Copper Conductor PVC Insulated PVC Sheathed Armoured Cable 1.1 kV Grade (POLYCAB/FINOLEX/KEI/RR Kabel Make) or else approved by EIC
202	Supply of FLP Hooter	5	Each	Supply of FLP Hooter (Ex-d IIB/IIC IP66 BALIGA/EATON/COMET Make) or else approved by EIC
203	Supply of Armoured FRLS 36C x 2.5 Sq mm Control Cable	900	M	Supply of Armoured FRLS 36C x 2.5 Sq mm Control Cable (POLYCAB/FINOLEX/KEI/RR Kabel Make) or else approved by EIC

TECHNICAL SPECIFICATIONS

204	FLP light Sunflower fixture (70 -80 Watt)	10	Each	<p>Flameproof Sunflower LED Light of 70–80 W (preferably 72 W) suitable for hazardous areas classified under Gas Group IIA/IIB and Zone 1 & Zone 2, with Ex-‘d’ flameproof enclosure and temperature class T6/T3. The luminaire shall have IP66/IP67 protection, high-efficiency LED source (≥ 100 lm/W), power factor ≥ 0.95, and operating voltage of 110–270 V AC, 50 Hz. It shall be constructed with die-cast aluminium alloy body, toughened glass diffuser, silicon rubber gasket, and stainless steel hardware with proper earthing provision. The fitting shall be suitable for ceiling/wall mounting and supplied with double compression cable gland, from reputed makes such as Ajmimson, Baliga, FCG, or Sudhir Switchgears.</p>
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