



**L&T Electrical & Automation**  
Products

**Larsen & Toubro Limited**

**Electrical & Automation**

**Electrical Standard Products**

Aspire Tower, 4<sup>th</sup> Floor, Plot No. 55

Phase 1, Industrial & Business Area,

Chandigarh – 160002

Tel: +91 172 4646846

www.Lntebg.com

REF NO: **5284/R1**

Date – 13/2/2023

Sub: **QUOTATION FOR 2022 MES 545540 2 (61439 Part-I & II)**

Dear Sir,

We acknowledge with thanks the receipt of your valued enquiry regarding above mentioned subject. We are pleased to furnish our most competitive offer for your favorable consideration as under.

**ANNEXURE - I: FABRICATION DETAILS & TECHNICAL SPECIFICATIONS**

**ANNEXURE- II: PRICE SCHEDULE**

**ANNEXURE- III: TERMS AND CONDITIONS**

We hope the detailed BOQ & Tech Specs here under is as per your requirement.

Should you need any further clarification(s) please feel free to contact us. We look forward for an opportunity to serve you.

Registered Office: L&T House, N.M.Marg, Ballard Estate, Mumbai - 400001, INDIA

CIN: L99999MH1946PLC004768

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## **ANNEXURE – I**

### **TECHNICAL SPECIFICATIONS**

- |                               |  |
|-------------------------------|--|
| <b>1. Material of Sheet:</b>  | CRCA sheet   |
| <b>2. Sheet thickness:</b>    | 3.15mm /2mm thickness for All Panels.  |
| <b>3. Material treatment:</b> | <p>Thorough chemical treatment with 7 tank process method for degreasing, derusting and phosphating powder coating shall not be less than 40 microns.</p> <p>SIEMENS GREY (RAL-7032) shade powder coating paint will be applied.</p>   |
| <b>4. Bus bar:</b>            | <p>The bus bars will be insulated with PVC heat shrinkable sleeves and supported SMC/DMC at Suitable intervals so as to withstand dynamic stresses developed in the event of short circuit of 50ka (RMS) and will withstand following standard tests:-</p> <p>(a) Continuity tests<br/>(b) No load operation test<br/>(c) H.T Test (2kV) for one minute.<br/>(d) Insulation resistance test.</p> |
| <b>6. Fault Level:</b>        | 35 KA  |
| <b>7. Bus Bar Size:</b>       | As per BOQ   |
| <b>8. Current Density:</b>    | 0.8A/Sq. mm. Current Density.  |
| <b>9. Bus bar insulation</b>  | Heat Shrinkable Sleeves  |



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## **ANNEXURE – II**

### **BILL OF MATERIAL**

#### **SR NO-7.06**

MATERIAL	RATING	QTY	MAKE
<b>INCOMMING FEEDER</b>			
ACB MP	800A FP 50KA	1	L&T
Digital Volt meter	0 - 500 V	1	L&T
Digital Am.meter	0 - 800 A	1	L&T
SELECTOR SWITCH	ASS+VSS	2	L&T
CTS	800 / 5 A	3	L&T
PHASE INDICATOR	22.5 MM	3	L&T
<b>OUTGOING FEEDER</b>			
MCCB TH OL/SC	250A TP 35KA	2	L&T
LINK	250A TP 35KA	2	L&T
E-ROM	250A TP 35KA	2	L&T
EARTH FAULT	250A TP 35KA	2	L&T
MCCB TH OL/SC	160A TP 35KA	1	L&T
LINK	160A TP 35KA	1	L&T
E-ROM	160A TP 35KA	1	L&T
EARTH FAULT	160A TP 35KA	1	L&T
MCCB TH OL/SC	125A TP 25KA	2	L&T
LINK	125A TP 25KA	2	L&T
EARTH FAULT	125A TP 25KA	2	L&T
E-ROM	125A TP 25KA	2	L&T
MCCB TH OL/SC	63A TP 25KA	6	L&T
LINK	63A TP 25KA	6	L&T
E-ROM	63A TP 25KA	6	L&T
EARTH FAULT	63A TP 25KA	6	L&T

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**ANNEXURE – II**

**BILL OF MATERIAL**

**SR NO-7.07**

MATERIAL	RATING	QTY	MAKE
<b>INCOMMING FEEDER</b>			
MCCB TH OL/SC	250A FP 35KA	1	L&T
LINK	250A FP 35KA	1	L&T
E-ROM	250A FP 35KA	1	L&T
EARTH FAULT	250A FP 35KA	1	L&T
Digital Volt meter	0 - 500 V	1	L&T
Digital Am.meter	0 - 250 A	1	L&T
SELECTOR SWITCH	ASS+VSS	2	L&T
CTS	250 / 5 A	3	L&T
PHASE INDICATOR	22.5 MM	3	L&T
<b>OUTGOING FEEDER</b>			
MCCB TH OL/SC	63A FP 16KA	4	L&T
LINK	63A FP 16KA	4	L&T
E-ROM	63A FP 16KA	4	L&T
EARTH FAULT	63A FP 16KA	4	L&T
MCCB TH OL/SC	32A FP 16KA	2	L&T
LINK	32A FP 16KA	2	L&T
E-ROM	32A FP 16KA	2	L&T
EARTH FAULT	32A FP 16KA	2	L&T

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## **ANNEXURE – II**

### **BILL OF MATERIAL**

#### **SR NO-7.08**

<b>MATERIAL</b>	<b>RATING</b>	<b>QTY</b>	<b>MAKE</b>
<b>INCOMING FEEDER</b>			
MCCB TH OL/SC	160A FP 35KA	1	L&T
LINK	160A FP 35KA	1	L&T
E-ROM	160A FP 35KA	1	L&T
EARTH FAULT	160A FP 35KA	1	L&T
Digital Volt meter	0 - 500 V	1	L&T
Digital Am.meter	0 - 160 A	1	L&T
SELECTOR SWITCH	ASS+VSS	2	L&T
CTS	160 / 5 A	3	L&T
PHASE INDICATOR	22.5 MM	3	L&T
<b>OUTGOING FEEDER</b>			
MCCB TH OL/SC	80A FP 25KA	1	L&T
LINK	80A FP 25KA	1	L&T
E-ROM	80A FP 25KA	1	L&T
EARTH FAULT	80A FP 25KA	1	L&T
MCCB TH OL/SC	32A FP 16KA	4	L&T
LINK	32A FP 16KA	4	L&T
E-ROM	32A FP 16KA	4	L&T
EARTH FAULT	32A FP 16KA	4	L&T
MCB	25A SPN 10KA	1	L&T

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## **ANNEXURE – II**

### **BILL OF MATERIAL**

#### **SR NO-7.09**

<b>MATERIAL</b>	<b>RATING</b>	<b>QTY</b>	<b>MAKE</b>
<b>INCOMMING FEEDER</b>			
MCCB TH OL/SC	125A FP 25KA	1	L&T
LINK	125A FP 25KA	1	L&T
E-ROM	125A FP 25KA	1	L&T
EARTH FAULT	125A FP 25KA	1	L&T
Digital Volt meter	0 - 500 V	1	L&T
Digital Am.meter	0 - 125 A	1	L&T
SELECTOR SWITCH	ASS+VSS	2	L&T
CTS	125 / 5 A	3	L&T
PHASE INDICATOR	22.5 MM	3	L&T
<b>OUTGOING FEEDER</b>			
MCCB TH OL/SC	63A FP 16KA	2	L&T
LINK	63A FP 16KA	2	L&T
E-ROM	63A FP 16KA	2	L&T
EARTH FAULT	63A FP 16KA	2	L&T
MCCB TH OL/SC	32A FP 25KA	2	L&T
LINK	32A FP 25KA	2	L&T
E-ROM	32A FP 25KA	2	L&T
EARTH FAULT	32A FP 25KA	2	L&T
MCB	32A SPN 10KA	4	L&T

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## **ANNEXURE – II**

### **BILL OF MATERIAL**

#### **SR NO-7.10**

<b>MATERIAL</b>	<b>RATING</b>	<b>QTY</b>	<b>MAKE</b>
<b>INCOMMING FEEDER</b>			
MCCB TH OL/SC	125A FP 25KA	1	L&T
LINK	125A FP 25KA	1	L&T
E-ROM	125A FP 25KA	1	L&T
EARTH FAAULT	125A FP 25KA	1	L&T
Digital Volt meter	0 - 500 V	1	L&T
Digital Am.meter	0 - 125 A	1	L&T
SELECTOR SWITCH	ASS+VSS	2	L&T
CTS	125 / 5 A	3	L&T
PHASE INDICATOR	22.5 MM	3	L&T
<b>OUTGOING FEEDER</b>			
MCCB TH OL/SC	63A FP 16KA	2	L&T
LINK	63A FP 16KA	2	L&T
E-ROM	63A FP 16KA	2	L&T
EARTH FAAULT	63A FP 16KA	2	L&T
MCCB TH OL/SC	32A FP 25KA	2	L&T
LINK	32A FP 25KA	2	L&T
E-ROM	32A FP 25KA	2	L&T
EARTH FAAULT	32A FP 25KA	2	L&T

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**ANNEXURE – II**

**BILL OF MATERIAL**

**SR NO-7.11**

MATERIAL	RATING	QTY	MAKE
<b>INCOMMING FEEDER</b>			
MCCB TH OL/SC	63A FP 16KA	1	L&T
LINK	63A FP 16KA	1	L&T
E-ROM	63A FP 16KA	1	L&T
EARTH FAULT	63A FP 16KA	1	L&T
Digital Volt meter	0 - 500 V	1	L&T
Digital Am.meter	0 - 125 A	1	L&T
SELECTOR SWITCH	ASS+VSS	2	L&T
CTS	125 / 5 A	3	L&T
PHASE INDICATOR	22.5 MM	3	L&T
<b>OUTGOING FEEDER</b>			
MCCB TH OL/SC	32A FP 16KA	4	L&T
LINK	32A FP 16KA	4	L&T
E-ROM	32A FP 16KA	4	L&T
EARTH FAULT	32A FP 16KA	4	L&T
ISOLATOR MCB	25A SPN 10KA	10	L&T

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**ANNEXURE – II**

**BILL OF MATERIAL**

**SR NO-7.12**

MATERIAL	RATING	QTY	MAKE
<b>INCOMING FEEDER</b>			
MCCB TH OL/SC	63A FP 16KA	1	L&T
LINK	63A FP 16KA	1	L&T
E-ROM	63A FP 16KA	1	L&T
EARTH FAULT	63A FP 16KA	1	L&T
Digital Volt meter	0 - 500 V	1	L&T
Digital Am.meter	0 - 125 A	1	L&T
SELECTOR SWITCH	ASS+VSS	2	L&T
CTS	125 / 5 A	3	L&T
PHASE INDICATOR	22.5 MM	3	L&T
C/O	63A FP	1	L&T
<b>OUTGOING FEEDER</b>			
MCCB TH OL/SC	32A FP 16KA	3	L&T
LINK	32A FP 16KA	3	L&T
E-ROM	32A FP 16KA	3	L&T
EARTH FAULT	32A FP 16KA	3	L&T

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**ANNEXURE – II**

**PRICE SCHEDULE**

PANEL SR NO	PRICE	QTY	TOTAL
SR NO-7.06	583000	1	583000
SR NO-7.07	303000	1	303000
SR NO-7.08	214500	1	214500
SR NO-7.09	205000	1	205000
SR NO-7.10	208000	1	208000
SR NO-7.11	261000	1	261000
SR NO-7.12	201000	1	201000
	<b>GRAND TOTAL</b>	<b>7</b>	<b>1975500</b>

**In words: Rupees Ninteen Lac Seventy Five Thousand Five Hundred Only.**

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**ANNEXURE –III**  
**COMMERCIAL TERMS AND CONDITIONS**

<b>PACKING &amp; FORWARDING:</b>	Extra as per actual
<b>FREIGHT &amp; INSURANCE:</b>	Extra Freight & insurance.
<b>GST:</b>	18% or Actual As per Gst Taxation.
<b>PAYMENT TERMS:</b>	60% in advance with confirmed order and balance against Performa invoice before dispatch.
<b>DELIVERY:</b>	6-12 Weeks from the date of approval of drawings.
<b>VALIDITY</b>	Our offer is valid for 15 Days from the date of this offer and thereafter subject to our confirmation.
<b>WARRANTY:</b>	18 Months from the date of supply or 12 months from the commissioning whichever ends earlier.

Thanks & Regards

AUTHORIZED SIGNATORY

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