



Ref : JS-24011203-R8
Date : 6-Mar-24

M/s. Crescentia Labs Pvt. Ltd.
Genome Valley, Hyderabad.

Kind Attn : Mr. Sayed Waseem Akhtar (93475 76914)

Dear Sir,

Sub: Supply of LT Panels.
Project: GV1 Crescentia Labs.
Ref: Email dated : 10.01.2024

We Thank you for your above enquiry and are pleased to submit our offer as follows:

Annexure 1: Guaranteed Technical Particulars.
Annexure 2: Price and commercial terms.
Annexure 3: Bill of material.

The offer is self explanatory. However should you need any further information or clarifications, please feel free to contact us.
We will do the needful on hearing from you.

We trust you will find our offer in line with your requirement and lookforward to receiving your valued order.

Thanking you and assuring you of our best services at all times.

Yours Truly,

For Elecon Power Systems Private Limited,

J.Swapna
Hand Phone : 8978234722

ELECON POWER SYSTEMS PVT LTD

**SY.NO.15, SURARAM VILLAGE, QUTHBULLAPUR MANDAL, R R DIST.HYDERABAD - 500 055,
Ph.No: 040-29802068**

Annexure 1

IEC 61439 Panels Technical Particulars

S.No	Item	Description
1		PRISMA SeTI Standard Panels. IK 10, Complying to IEC 61439-1-2.
2	Construction Modules	Panels manufactured with CRCA sheet thickness of : 1) 2mm for structure frames 2) 1.6mm for Doors & covers 3) 1.6mm for Load bearings members 4) 1.6mm for internal partions 5) 1.6mm for Gland plates
3	Form of Seperation	3B
4	Ambient Temperature	45°
5	IP Rating of Enclosure	IP 54 upto 1600A, IP42 above 1600A for Indoor application.
6	Powder Coating	Enclosure shade RAL 9003.
7	Power System Consideration	“ TN-S”
8	Control & Power Wiring	A) Control wiring will be with 1.5sqmm PVC insulated FR wires. B) CT wiring will be with 2.5sqmm pvc insulated FR wires will be used for respective phase CTs. Black colour for common wiring. C) Power wiring : PVC insulated FR copper wires will be used for power wiring. The selection of wires for different ratings will be as below : i) Power wiring up to 20A : 2.5sqmm ii) Power wiring 21-25A : 4sqmm iii) Power wiring 26-32A : 6sqmm iv) Power wiring 33-40A : 10sqmm v) Power wiring 41-63A : 16sqmm vi) power wiring 64-100A : 35sqmm vii) Power wiring 101-125A : 2x16sqmm viii) Power wiring 126-200A : 2x35sqmm

ELECON POWER SYSTEMS PVT LTD

SY.NO.15, SURARAM VILLAGE, QUTHBULLAPUR MANDAL, R R DIST.HYDERABAD - 500 055,

Ph.No: 040-29802068

IEC 60439 Panels Technical Particulars

Guaranteed Technical Particulars:

1	Type of construction	Cubicle type, Welded, wall mounting/Floor mounting DB.		
2	Material used for fabrication			
	A. Frames	2.0	mm Thick	CRCA MS Sheets
	B. Doors and covers	1.6	mm Thick	CRCA MS Sheets
	C. Load bearing members	2.0	mm Thick	CRCA MS Sheets
	D. Internal partitions	1.6	mm Thick	CRCA MS Sheets
	E. Gland plates	3.0	mm Thick	CRCA MS Sheets
3	Paint Shade		External	RAL7035
			Internal	RAL7035
4	Design Ambient temperature	45° C		
5	Temperature rise.	45° C Over Amb		
6	Bus bars			
	A. Material	Al		
	B. Current density	0.8A per Sqmm for Al Busbars & 1.6A per Sqmm for Cu Busbars		
	C. Insulators	Epoxy moulded SMC insulators		
	D. Fault withstand capacity	RMS for one second	50KA/35KA/25KA	
	E. Neutral bus bar	50% of phase busbars		
7	Make of Equipment	Make of equipment is furnished in BOM		
8	Degree of Protection	IP52 for all the panels except APFC. APFC Panel : IP 42. Outdoor Panel : IP55 with canopy		
9	Applicable standard	IS8623 / IEC - 60439		
10	Form of Separation	Form - 3B		
11	Offer quoted as per attached	BOQ		

Annexure - 2

Prices and commercial terms:

A. The prices of panels as described in Annexures 1 and 3:

S.No	Description	Qty	Price each	Total
1	Fire Panel (Busbar Size: 800A -100Wx10Tx1R) - IEC 60439	1	Rs. 3,42,714	Rs. 3,42,714
2	VTPN Type - A - IEC 61439 (Prisma Wall mounted)	4	Rs. 75,388	Rs. 3,01,552
3	VTPN Type - B - IEC 61439 (Prisma Wall mounted)	9	Rs. 94,397	Rs. 8,49,576
4	630A Isolater panel - Indoor - IEC 60439	8	Rs. 48,503	Rs. 3,88,022
5	630A Isolater panel - Outdoor - IEC 60439	4	Rs. 52,568	Rs. 2,10,273
			Grand total	Rs. 20,92,138

B. Commercial terms:

B.1	Price basis Delivery	The price quoted is for delivery Ex our works Hyderabad in Unpacked condition, However Panels will be wrapped with Polythene sheet for protection against excessive dust and moisture.
B.2	Scope	Supplier's scope shall be limited to the Design, Manufacturing, Assembly & Routine tests of their manufactured Goods such LV Panels / Enclosures / Parts and Accessories. Erection and commissioning shall not be in Supplier's Scope. If requested, Supplier shall provide supervision on Erection and Commissioning at Extra Cost as per the rates quoted in Separate Offer.
B.3	Material handling at site.	Unloading and storage of material at site is not in our scope. The material shall be stored in a clean and dry location with protection against direct Sun light and Rain water.
B.4	Transit insurance.	Transit insurance is not in our scope. The same shall be arranged by you. Necessary dispatch particulars will be furnished for arranging the transit insurance on request.
B.5	GST (Elecon GST No - 36AAGCP4130M1ZA)	GST Will be extra as per the rate prevailing on the date of supply. Present rate of GST is 18%
B.6	Payment terms	30% Along with your LOI/PO, Balance against proforma invoice before dispatch.
B.7	Validity of the Offer	15 days.

ELECON POWER SYSTEMS PVT LTD

SY.NO.15, SURARAM VILLAGE, QUTHBULLAPUR MANDAL, R R DIST.HYDERABAD - 500 055,

Ph.No: 040-29802068

C Delivery:

a. Drawings

Detailed drawings will be submitted for your approval within 2 weeks of receipt of your technically and commercially clear and detailed Purchase order or Letter of intent. Which ever later is will be considered for submission of drawings.

b. Delivery

Panels will be offered for inspection within 10-12 weeks from the date of receipt of approved drawings at our end. The Panels will be dispatched within a week of inspection and approval at our works.

c. Force majeure

The delivery period committed is subject to standard Force Majeure conditions.

D. Guarantee

The Panels are guaranteed for trouble free performance under normal working conditions for a period of 12 months, from the date of supply. Any manufacturing defect that may occur during this period will be repaired or replaced at our discretion.

Annexure 3

1. Fire Panel

S.No	Description	Make	Qty	Catalog No.	Remarks
	Incoming				
1	630A TPN 36KA MP MCCB - Qty 1no				
	630A TPN 36KA MP based MCCB with O/L , S/C & E/F releases	Schneider	1	LV563620	
	Extended Rotary Handle 400/630A	Schneider	1	LV432598_IN	
	Spreaders (Set of 3) 3P 400/630A	Schneider	2	32492	
	Phase Barriers (Set of 6)	Schneider	1	LV432570	
	Metering		0		
	Red Indication Lamp (230V)	Schneider	1	XB7EV04MPN	
	Yellow Indication Lamp (230V)	Schneider	1	XB7EV05MPN	
	Blue Indication Lamp (230V)	Schneider	1	XB7EV06MPN	
	MFM CI 1 with RS485 EM6436H	Schneider	1	METSEEM6436HCL10RS	
	630/5A 10VA CL.1 CTs	Newtek/Sresta a/Kalpa	3		
	CT Shorting terminals	Connectwell/Eq	4	CT Term	
	6A SP MCB 10KA (C-Curve)	Schneider	4	A9N1P06C	
	Neutral Link	Reputed	1	NL	
	Outgoings				
2	250A TPN 50KA with Magnetic Trip Unit MA Type MCCB - Spare Qty 1no				
	250A TPN 50KA with Magnetic Trip Unit MA Type	Schneider	1	LV540552	
	Extended Rotary Handle 100/160/250A	Schneider	1	LV429338_IN	
	Spreaders (Set of 3) 3P 160/250A	Schneider	2	LV431563	
3	100A TPN 50KA with Magnetic Trip Unit MA Type MCCB - Spare Qty 1no				

ELECON POWER SYSTEMS PVT LTD

SY.NO.15, SURARAM VILLAGE, QUTHBULLAPUR MANDAL, R R DIST.HYDERABAD - 500 055,

Ph.No: 040-29802068

	100A TPN 50KA with Magnetic Trip Unit MA Type	Schneider	1	LV510455	
	Extended Rotary Handle Upto 100A only	Schneider	1	LV429338_IN	
	Spreaders (Set of 3) 3P Upto 100A only	Schneider	2	LV431563	
4	7.5HP(5.5KW) S/D Starter -Qty 2nos				
	100A TPN 50KA with Magnetic Trip Unit MA Type - According to Type to Co-ordination	Schneider	2	LV510455	
	Extended Rotary Handle Upto 100A only	Schneider	2	LV429338_IN	
	Spreaders (Set of 3) 3P Upto 100A only	Schneider	4	LV431563	
	Auxiliary Contacts for MCCB	Schneider	4	29450	
	12A Main/Delta Contactor	Schneider	4	LC1E12	
	9A Star Contactor	Schneider	2	LC1E09	
	2 NO+2NC Add On Blocks	Schneider	6	LAEN22	
	5.5-8A Overload Relay	Schneider	2	LRE12	
	ON Red Indication Lamp (230V)	Schneider	2	XB7EV04MPN	
	OFF Green Indication Lamp (230V)	Schneider	2	XB7EV03MPN	
	Trip Amber Indication Lamp (230V)	Schneider	2	XB7EV08MPN	
	Green Push button NO	Schneider	2	XB5AA31N	
	Red Push button NC	Schneider	2	XB5AA42N	
	6A SP MCB 10KA (C-Curve)	Schneider	2	A9N1P06C	
	Neutral Link	Reputed	2	NL	
	Control terminals	Connectwell/Elmex/Eq	20	Cont Terms	
	Power terminals	Connectwell/Elmex/Eq	12	Power Terms	
	Auto Manual Selector Switch	L&T/Eq	2	61026	
	Stardelta Timer	L&T/Eq	2	14SDT1S	
5	100HP(75KW) S/D Starter -Qty 2nos				
	250A TPN 50KA with Magnetic Trip Unit MA Type - According to Type to Co-ordination	Schneider	2	LV540552	

ELECON POWER SYSTEMS PVT LTD

SY.NO.15, SURARAM VILLAGE, QUTHBULLAPUR MANDAL, R R DIST.HYDERABAD - 500 055,
Ph.No: 040-29802068

	Extended Rotary Handle 100/160/250A	Schneider	2	LV429338_IN	
	Spreaders (Set of 3) 3P 160/250A	Schneider	4	LV431563	
	Auxiliary Contacts for MCCB	Schneider	4	29450	
	120A Main/Delta Contactor	Schneider	4	LC1E120	
	80A Star Contactor	Schneider	2	LC1E80	
	2 NO+2NC Add On Blocks	Schneider	6	LAEN22	
	62-99A Overload Relay	Schneider	2	LRE481	
	ON Red Indication Lamp (230V)	Schneider	2	XB7EV04MPN	
	OFF Green Indication Lamp (230V)	Schneider	2	XB7EV03MPN	
	Trip Amber Indication Lamp (230V)	Schneider	2	XB7EV08MPN	
	Green Push button NO	Schneider	2	XB5AA31N	
	Red Push button NC	Schneider	2	XB5AA42N	
	6A SP MCB 10KA (C-Curve)	Schneider	2	A9N1P06C	
	Neutral Link	Reputed	2	NL	
	Control terminals	Connectwell/ Elmex/Eq	20	Cont Terms	
	Power terminals	Connectwell/ Elmex/Eq	12	Power Terms	
	Stardelta Timer	L&T/Eq	2	14SDT1S	
	Auto Manual Selector Switch	L&T/Eq	2	61026	

2. VTPN Type - A

S.No	Description	Make	Qty	Catalog No.	Remarks
	Incoming				
1	100A TPN 25KA TMD MCCB - Qty 1no				
	100A TPN 25KA TMD based MCCB with O/L & S/C releases	Schneider	1	LV510307	
	Extended Rotary Handle Upto 100A only	Schneider	1	LV429338_IN	

ELECON POWER SYSTEMS PVT LTD

SY.NO.15, SURARAM VILLAGE, QUTHBULLAPUR MANDAL, R R DIST.HYDERABAD - 500 055,

Ph.No: 040-29802068

	Spreaders (Set of 3) 3P Upto 100A only	Schneider	2	LV431563	
	Time Switch	L&T/Eq	1	T2DDT7	
	110A FP Power contactor	Schneider	1	LC1E80004	
	2 Change Over - 6 Amps Contact Rating 230V AC	Schneider	1	RXM2AB2P7	
	Sockets base for miniature relay -Zelio RXZ -with mixed contacts -connectors	Schneider	1	RXZE2M114M	
	Outgoing				
2	63A FP 10KA MCB - Qty 2nos				
	63A FP 10KA MCB (C-Curve)	Schneider	2	A9N4P63C	
3	40A FP 10KA MCB - Qty 2nos				
	40A FP 10KA MCB (C-Curve)	Schneider	2	A9N4P40C	
4	32A FP 10KA MCB - Qty 2nos				
	32A FP 10KA MCB (C-Curve)	Schneider	2	A9N4P32C	
5	16A SP 10KA MCB - Qty 2nos				
	16A SP 10KA MCB (C-Curve)	Schneider	2	A9N1P16C	
6	10A SP 10KA MCB - Qty 2nos				
	10A SP 10KA MCB (C-Curve)	Schneider	2	A9N1P10C	
7	6A SP 10KA MCB - Qty 2nos				
	6A SP 10KA MCB (C-Curve)	Schneider	2	A9N1P06C	

3. VTPN Type - B

S.No	Description	Make	Qty	Catalog No.	Remarks
	Incoming				
1	160A TPN 25KA TMD MCCB - Qty 1no				
	160A TPN 25KA TMD based MCCB with O/L & S/C releases	Schneider	1	LV516303	
	Extended Rotary Handle 160/250A	Schneider	1	LV429338_IN	

ELECON POWER SYSTEMS PVT LTD

SY.NO.15, SURARAM VILLAGE, QUTHBULLAPUR MANDAL, R R DIST.HYDERABAD - 500 055,
Ph.No: 040-29802068

	Spreaders (Set of 3) 3P 160/250A	Schneider	2	LV431563	
	Time Switch	L&T/Eq	1	T2DDT7	
	250A FP Power contactor	Schneider	1	LC1D1150046	
	2 Change Over - 6 Amps Contact Rating 230V AC	Schneider	1	RXM2AB2P7	
	Sockets base for miniature relay -Zelio RXZ -with mixed contacts -connectors	Schneider	1	RXZE2M114M	
	Outgoing				
2	63A FP 10KA MCB - Qty 3nos				
	63A FP 10KA MCB (C-Curve)	Schneider	3	A9N4P63C	
3	40A FP 10KA MCB - Qty 3nos				
	40A FP 10KA MCB (C-Curve)	Schneider	3	A9N4P40C	
4	32A FP 10KA MCB - Qty 3nos				
	32A FP 10KA MCB (C-Curve)	Schneider	3	A9N4P32C	
5	16A SP 10KA MCB - Qty 3nos				
	16A SP 10KA MCB (C-Curve)	Schneider	3	A9N1P16C	
6	10A SP 10KA MCB - Qty 3nos				
	10A SP 10KA MCB (C-Curve)	Schneider	3	A9N1P10C	
7	6A SP 10KA MCB - Qty 3nos				
	6A SP 10KA MCB (C-Curve)	Schneider	3	A9N1P06C	

4. 630A Isolater panel - Indoor

S.No	Description	Make	Qty	Catalog No.	Remarks
	Incoming				
1	630A TPN 36KA MP MCCB - Qty 1no				
	630A TPN 36KA MP based MCCB with O/L , S/C & E/F releases	Schneider	1	LV563620	
	Extended Rotary Handle 400/630A	Schneider	1	LV432598_IN	

ELECON POWER SYSTEMS PVT LTD

SY.NO.15, SURARAM VILLAGE, QUTHBULLAPUR MANDAL, R R DIST.HYDERABAD - 500 055,
Ph.No: 040-29802068

	Spreaders (Set of 3) 3P 400/630A	Schneider	2	32492	
	Phase Barriers (Set of 6)	Schneider	1	LV432570	
	Auxiliary Contacts for MCCB	Schneider	2	29450	
	ON Red Indication Lamp (230V)	Schneider	1	XB7EV04MPN	
	OFF Green Indication Lamp (230V)	Schneider	1	XB7EV03MPN	
	6A SP MCB 10KA (C-Curve)	Schneider	1	A9N1P06C	
	Neutral Link	Reputed	1	NL	

5 630A Isolater panel - Outdoor

S.No	Description	Make	Qty	Catalog No.	Remarks
	Incoming				
1	630A TPN 36KA MP MCCB - Qty 1no				
	630A TPN 36KA MP based MCCB with O/L , S/C & E/F releases	Schneider	1	LV563620	
	Extended Rotary Handle 400/630A	Schneider	1	LV432598_IN	
	Spreaders (Set of 3) 3P 400/630A	Schneider	2	32492	
	Phase Barriers (Set of 6)	Schneider	1	LV432570	
	Auxiliary Contacts for MCCB	Schneider	2	29450	
	ON Red Indication Lamp (230V)	Schneider	1	XB7EV04MPN	
	OFF Green Indication Lamp (230V)	Schneider	1	XB7EV03MPN	
	6A SP MCB 10KA (C-Curve)	Schneider	1	A9N1P06C	
	Neutral Link	Reputed	1	NL	

ELECON POWER SYSTEMS PVT LTD

SY.NO.15, SURARAM VILLAGE, QUTHBULLAPUR MANDAL, R R DIST.HYDERABAD - 500 055,

Ph.No: 040-29802068