

ANNEXURE - II

PRICE SCHEDULE FOR SUPPLY OF FOLLOWING PANELS

M/s:-Jindal Aluminium Limited

S. No	Description	Qty	Unit	Unit Quoted Price	Total Quoted Price (Ex-works)
1	Main LT Panel -Indoor Type Loc:-DG Room Main LT Panel.	1	No.	63,96,600	63,96,600
2	Main LT Panel -Indoor Type Loc:-BP5 Press Main LT Panel	1	No.	56,03,600	56,03,600
TOTAL (Basic Price)		2			1,20,00,200

Yogesh Jain - 9314082511  
1459,3185  
~~1285~~

Approved  
2195,170/-  
459,20/-  
12531

HSN CODE FOR ELECTRICAL LT PANELS : 85371000

HSN CODE FOR ELECTRICAL HT PANELS : 85372000

Company Details  
turnover - Approx 100 Cr  
Highest value Panel - see to clarify  
Monthly: 6 to 7 cr dis price

NOTE:-

1.0 Our offer shall be strictly based on attached BOM.

For ZENIYA ELECTECH PVT. LTD.  
Bhiwadi- 301019

CHECK LIST

Rate as above

COUNT: .....

PRICE BASIS : FOR BHIWADI FOR - I & L B/W

INCL: Incl EXTRA: .....

TAX/GST : GST: 12% Extra

DELIVERY: 8 weeks

PAYMENT: valid for 90 days of receipt

CANCELLATION: subject to submission of 100

VALIDITY: .....

CHECKED BY: Rajopal

Deviation/Clarification  
CPR approved  
ABB vendor contract  
class-I contract  
customer of Jindal  
for bus bar panel  
250 cr  
Incl staff

Payment: 30% Advance against ABG valid for 90 days  
60% Against delivery within 7 days of receipt  
10% Against commission subject to submission of 100 of ABG valid for one year.

Warranty: one year against any MGF  
Additional one year against service of bus bar  
Bus bars - Jindal make.

- Panel
- Cubic - 2mm sheet
- Inside walls - 1.6 mm sheet
- Terminal Plates - 3mm sheet
- Base plate: ISMC or L Angles
- Base frame - ISMC 75x40 or as per IS standards.

Called Mr. Yogesh Jain (MD) and other rounds of discussions and agreed the order as below.

(1) DG Panel - Rs. 59,43,500/-

(2) BP5 Panel - Rs. 52,06,500/-

Rs. 11,50,000/-



## ANNEXURE - IV

## Projects:-

## 1 Main LT Panel -Indoor Type Loc:-DG Room Main LT Panel.

Item	Item Description	Rating	Make	Qty.	
	<b>I/C-2500A 4P EDO ACB Feeder From T/F -1 &amp; 2</b>				
ACB	FP EDO ACB 65KA Microprocessor based with O/L , S/C & E/F Protection Release With Current Metering +Trip Micro Switch-3WT8256-6UA34-5AB2	2500A	Siemens 3WT	2	Nos.
U/V	Under Voltage Release For ACB	220V AC	Siemens	2	Nos.
TNC	Breaker Control Switch	25A	L&T-Salzer	2	Nos.
MFM	Digital Multifunction Meter CI-1.0 with RS 485 Port	EM6400NG	Conzerv	2	Nos.
MCT	Metering CT -/5A CL-1.0,15VA For Metering	2500A	AE/Kappa	6	Nos.
MCT	Metering CT -/5A CL-1.0,15VA For APFCR	2500A	AE/Kappa	6	Nos.
MCT	Protection CT -/5A CL-5P10,15VA For Relay	2500A	AE/Kappa	6	Nos.
RLY	3 Phase O/C+1E/F Relay (51+51N)	MC31AnX	L&T/Procom/Reputed	2	Nos.
RLY	Voltage Monitor Relay Under Voltage/ Over Voltage, Single Phase, Phase Failure relay	7UG0753	Siemens	2	Nos.
I/L	Indicating light LED type(RYB)	220V AC	L&T-Esbee	6	Nos.
I/L	Indicating light LED type(ON/OFF/TRIP/TCH)	220V AC	L&T-Esbee	8	Nos.
A/M	Auto/Manual Selector Switch	6A	L&T-Salzer	2	Nos.
EPB	Emergency Stop Push Button	220V AC	L&T-Esbee	2	Nos.
AC	Auxiliary Contactor 2NO+2NC	220V AC	Siemens	4	Nos.
NL	Neutral Link		Reputed	2	Nos.
CMCB	Control SP MCB 10KA C-Curve	6A	Siemens	8	Nos.
FWF	9" Cooling Fan With Filter & 9" Filter Louver		Rexnord/Highcool/Reputed	2	Nos.
CMCB	Control SP MCB 10KA C-Curve	6A	Siemens	2	Nos.
SH	Space Heater with Thermostat + Power Socket		Reputed	2	Nos.
MCB	DP MCB 10kA C-Curve	6A	Siemens	2	Nos.
	<b>I/C-2500A 4P EDO ACB Feeder From D/G -1 &amp; 2</b>				
ACB	FP EDO ACB 65KA Microprocessor based with O/L , S/C & E/F Protection Release With Current Metering +Trip Micro Switch-3WT8256-6UA34-5AB2	2500A	Siemens 3WT	2	Nos.
U/V	Under Voltage Release For ACB	220V AC	Siemens	2	Nos.
TNC	Breaker Control Switch	25A	L&T-Salzer	2	Nos.
MFM	Digital Multifunction Meter CI-1.0 with RS 485 Port	EM6400NG	Conzerv	2	Nos.
MCT	Metering CT -/5A CL-1.0,15VA For Metering	2500A	AE/Kappa	6	Nos.
MCT	Protection CT -/5A CL-5P10,15VA For Relay	2500A	AE/Kappa	2	Nos.
RLY	Reverse Power Relay	MRP11	L&T/Procom/Reputed	2	Nos.
RLY	Voltage Monitor Relay Under Voltage/ Over Voltage, Single Phase, Phase Failure relay	7UG0753	Siemens	2	Nos.
I/L	Indicating light LED type(RYB)	220V AC	L&T-Esbee	6	Nos.
I/L	Indicating light LED type(ON/OFF/TRIP/TCH)	220V AC	L&T-Esbee	8	Nos.
A/M	Auto/Manual Selector Switch	6A	L&T-Salzer	2	Nos.
EPB	Emergency Stop Push Button	220V AC	L&T-Esbee	2	Nos.
AC	Auxiliary Contactor 2NO+2NC	220V AC	Siemens	4	Nos.
NL	Neutral Link		Reputed	2	Nos.
CMCB	Control SP MCB 10KA C-Curve	6A	Siemens	8	Nos.
FWF	9" Cooling Fan With Filter & 9" Filter Louver		Rexnord/Highcool/Reputed	2	Nos.
CMCB	Control SP MCB 10KA C-Curve	6A	Siemens	2	Nos.
SH	Space Heater with Thermostat + Power Socket		Reputed	2	Nos.
MCB	DP MCB 10kA C-Curve	6A	Siemens	2	Nos.
	<b>B/C-2500A 4P EDO ACB Feeder -1&amp;2</b>				
ACB	FP EDO ACB 65KA Microprocessor based with O/L , S/C & E/F Protection Release With Current Metering +Trip Micro Switch-3WT8256-6UA34-5AB2	2500A	Siemens 3WT	2	Nos.

U/V	Under Voltage Release For ACB	220V AC	Siemens	2	Nos.
TNC	Breaker Control Switch	25A	L&T-Salzer	2	Nos.
I/L	Indicating light LED type (RYB)	220V AC	L&T-Esbee	6	Nos.
I/L	Indicating light LED type (ON/OFF/TRIP/TCH)	220V AC	L&T-Esbee	8	Nos.
A/M	Auto/Manual Selector Switch	6A	L&T-Salzer	2	Nos.
AC	Auxiliary Contactor 2NO+2NC	220V AC	Siemens	4	Nos.
NL	Neutral Link		Reputed	2	Nos.
CMCB	Control SP MCB 10KA C-Curve	6A	Siemens	4	Nos.
<b>O/G:800A 3P MDO ACB Feeder</b>					
ACB	TP MDO ACB 50KA Microprocessor based with O/L , S/C & E/F Protection Release With Current Metering +Trip Micro Switch-3WT8081-6AA04-5AB2	800A	Siemens 3WT	6	Nos.
MFM	Digital Multifunction Meter CI-1.0 with RS 485 Port	EM6400NG	Conzerv	6	Nos.
MCT	Metering CT -/5A CL-1.0,15VA For Metering	800A	AE/Kappa	18	Nos.
I/L	Indicating light LED type (RYB)	220V AC	L&T-Esbee	18	Nos.
I/L	Indicating light LED type (ON/OFF/TRIP/TCH)	220V AC	L&T-Esbee	24	Nos.
NL	Neutral Link		Reputed	6	Nos.
CMCB	Control SP MCB 10KA C-Curve	6A	Siemens	24	Nos.
<b>O/G:1250A 3P MDO ACB Feeder</b>					
ACB	TP MDO ACB 50KA Microprocessor based with O/L , S/C & E/F Protection Release With Current Metering +Trip Micro Switch-3WT8121-6AA04-5AB2	1250A	Siemens 3WT	3	Nos.
MFM	Digital Multifunction Meter CI-1.0 with RS 485 Port	EM6400NG	Conzerv	3	Nos.
MCT	Metering CT -/5A CL-1.0,15VA For Metering	1250A	AE/Kappa	9	Nos.
I/L	Indicating light LED type (RYB)	220V AC	L&T-Esbee	9	Nos.
I/L	Indicating light LED type (ON/OFF/TRIP/TCH)	220V AC	L&T-Esbee	12	Nos.
NL	Neutral Link		Reputed	3	Nos.
CMCB	Control SP MCB 10KA C-Curve	6A	Siemens	12	Nos.
<b>O/G:1600A 3P MDO ACB Feeder</b>					
ACB	TP MDO ACB 50KA Microprocessor based with O/L , S/C & E/F Protection Release With Current Metering +Trip Micro Switch-3WT8161-6AA04-5AB2	1600A	Siemens 3WT	2	Nos.
MFM	Digital Multifunction Meter CI-1.0 with RS 485 Port	EM6400NG	Conzerv	2	Nos.
MCT	Metering CT -/5A CL-1.0,15VA For Metering	1600A	AE/Kappa	6	Nos.
I/L	Indicating light LED type (RYB)	220V AC	L&T-Esbee	6	Nos.
I/L	Indicating light LED type (ON/OFF/TRIP/TCH)	220V AC	L&T-Esbee	8	Nos.
NL	Neutral Link		Reputed	2	Nos.
CMCB	Control SP MCB 10KA C-Curve	6A	Siemens	8	Nos.
<b>O/G:2000A 3P MDO ACB Feeder</b>					
ACB	TP MDO ACB 50KA Microprocessor based with O/L , S/C & E/F Protection Release With Current Metering +Trip Micro Switch-3WT8202-6AA04-5AB2	2000A	Siemens 3WT	3	Nos.
MFM	Digital Multifunction Meter CI-1.0 with RS 485 Port	EM6400NG	Conzerv	3	Nos.
MCT	Metering CT -/5A CL-1.0,15VA For Metering	2000A	AE/Kappa	9	Nos.
I/L	Indicating light LED type (RYB)	220V AC	L&T-Esbee	9	Nos.
I/L	Indicating light LED type (ON/OFF/TRIP/TCH)	220V AC	L&T-Esbee	12	Nos.
NL	Neutral Link		Reputed	3	Nos.
CMCB	Control SP MCB 10KA C-Curve	6A	Siemens	12	Nos.
<b>O/G:2500A 3P MDO ACB Feeder</b>					
ACB	TP MDO ACB 50KA Microprocessor based with O/L , S/C & E/F Protection Release With Current Metering +Trip Micro Switch-3WT8252-6AA04-5AB2	2500A	Siemens 3WT	1	No.
MFM	Digital Multifunction Meter CI-1.0 with RS 485 Port	EM6400NG	Conzerv	1	No.
MCT	Metering CT -/5A CL-1.0,15VA For Metering	2500A	AE/Kappa	3	Nos.
I/L	Indicating light LED type (RYB)	220V AC	L&T-Esbee	3	Nos.
I/L	Indicating light LED type (ON/OFF/TRIP/TCH)	220V AC	L&T-Esbee	4	Nos.
NL	Neutral Link		Reputed	1	No.
CMCB	Control SP MCB 10KA C-Curve	6A	Siemens	4	Nos.
FWF	9" Cooling Fan With Filter & 9" Filter Louver		Rexnord/Highco ol/Reputed	13	Nos.

CMCB	Control SP MCB 10KA C-Curve	6A	Siemens	13	Nos.
SH	Space Heater with Thermostat + Power Socket		Reputed	13	Nos.
MCB	DP MCB 10kA C-Curve	6A	Siemens	13	Nos.
T	Door limit switch with LED Light		Reputed	17	Nos.
CMCB	Control SP MCB 10KA C-Curve	6A	Siemens	17	Nos.
<b>Electrolytic grade TPN Aluminium Horizontal Bus Bar 5000A (7200Sq.mm) Hindalco Make</b>					



## ANNEXURE - IV

## Projects:-

## 1 Main LT Panel -Indoor Type Loc:-BP5 Press Main LT Panel

Item	Item Description	Rating	Make	Qty.	
	<b>I/C-5000A 4P EDO ACB Feeder From T/F</b>				
ACB	FP EDO ACB 65KA Microprocessor based with O/L , S/C & E/F Protection Release With Current Metering +Trip Micro Switch-3WL1350	5000A	Siemens 3WL	1	No.
U/V	Under Voltage Release For ACB	220V AC	Siemens	1	No.
TNC	Breaker Control Switch	16A	L&T-Salzer	1	No.
MFM	Digital Multifunction Meter CI-1.0 with RS 485 Port	EM6400NG	Conzerv	1	No.
MCT	Metering CT -/5A CL-1.0,15VA For Metering	5000A	AE/Kappa	3	Nos.
MCT	Metering CT -/5A CL-1.0,15VA For APFCR	5000A	AE/Kappa	3	Nos.
MCT	Protection CT -/5A CL-5P10,15VA For Relay	5000A	AE/Kappa	3	Nos.
RLY	3 Phase O/C+I/E/F Relay (51+51N)	MC31AnX	L&T/Procom/Reputed	1	No.
RLY	Voltage Monitor Relay Under Voltage/ Over Voltage, Single Phase, Phase Failure relay	7UG0753	Siemens	1	No.
I/L	Indicating light LED type (RYB)	220V AC	L&T-Esbee	3	Nos.
I/L	Indicating light LED type (ON/OFF/TRIP/TCH)	220V AC	L&T-Esbee	4	Nos.
A/M	Auto Manual Selector Switch	6A	L&T-Salzer	1	No.
EPB	Emergency Stop Push Button	220V AC	L&T-Esbee	1	No.
AC	Auxiliary Contactor 2NO+2NC	220V AC	Siemens	2	Nos.
NL	Neutral Link		Reputed	1	No.
CMCB	Control SP MCB 10KA C-Curve	6A	Siemens	4	Nos.
FWF	9" Cooling Fan With Filter & 9" Filter Louver		Rexnord/Highcool/Reputed	1	No.
CMCB	Control SP MCB 10KA C-Curve	6A	Siemens	1	No.
SH	Space Heater with Thermostat + Power Socket		Reputed	1	No.
MCB	DP MCB 10kA C-Curve	6A	Siemens	1	No.
	<b>I/C-2500A 4P EDO ACB Feeder From D/G -1 &amp; 2</b>				
ACB	FP EDO ACB 65KA Microprocessor based with O/L , S/C & E/F Protection Release With Current Metering +Trip Micro Switch-3WT8256-6UA34-5AB2	2500A	Siemens 3WT	2	Nos.
U/V	Under Voltage Release For ACB	220V AC	Siemens	2	Nos.
TNC	Breaker Control Switch	16A	L&T-Salzer	2	Nos.
MFM	Digital Multifunction Meter CI-1.0 with RS 485 Port	EM6400NG	Conzerv	2	Nos.
MCT	Metering CT -/5A CL-1.0,15VA For Metering	2500A	AE/Kappa	6	Nos.
MCT	Protection CT -/5A CL-5P10,15VA For Relay	2500A	AE/Kappa	6	Nos.
RLY	Reverse Power Relay	MRP11	L&T/Procom/Re	2	Nos.
RLY	Voltage Monitor Relay Under Voltage/ Over Voltage, Single Phase, Phase Failure relay	7UG0753	Siemens	2	Nos.
I/L	Indicating light LED type (RYB)	220V AC	L&T-Esbee	6	Nos.
I/L	Indicating light LED type (ON/OFF/TRIP/TCH)	220V AC	L&T-Esbee	8	Nos.
A/M	Auto Manual Selector Switch	6A	L&T-Salzer	2	Nos.
EPB	Emergency Stop Push Button	220V AC	L&T-Esbee	2	Nos.
AC	Auxiliary Contactor 2NO+2NC	220V AC	Siemens	4	Nos.
NL	Neutral Link		Reputed	2	Nos.
CMCB	Control SP MCB 10KA C-Curve	6A	Siemens	8	Nos.
FWF	9" Cooling Fan With Filter & 9" Filter Louver		Rexnord/Highcool/Reputed	2	Nos.
CMCB	Control SP MCB 10KA C-Curve	6A	Siemens	2	Nos.
SH	Space Heater with Thermostat + Power Socket		Reputed	2	Nos.
MCB	DP MCB 10kA C-Curve	6A	Siemens	2	Nos.
	<b>B/C-2500A 4P EDO ACB Feeder</b>				
ACB	FP EDO ACB 65KA Microprocessor based with O/L , S/C & E/F Protection Release With Current Metering +Trip Micro Switch-3WT8256-6UA34-5AB2	2500A	Siemens 3WT	1	No.
U/V	Under Voltage Release For ACB	220V AC	Siemens	1	No.

TNC	Breaker Control Switch	16A	L&T-Salzer	1	No.
I/L	Indicating light LED type (RYB)	220V AC	L&T-Esbee	3	Nos.
I/L	Indicating light LED type (ON/OFF/TRIP/TCH)	220V AC	L&T-Esbee	4	Nos.
A/M	Auto Manual Selector Switch	6A	L&T-Salzer	1	No.
AC	Auxiliary Contactor 2NO+2NC	220V AC	Siemens	2	Nos.
NL	Neutral Link		Reputed	1	No.
CMCB	Control SP MCB 10KA C-Curve	6A	Siemens	2	Nos.
<b>B/C-5000A 4P EDO ACB Feeder</b>					
ACB	FP EDO ACB 65KA Microprocessor based with O/L , S/C & E/F Protection Release With Current Metering +Trip Micro Switch-3WL1350	5000A	Siemens 3WL	1	No.
U/V	Under Voltage Release For ACB	220V AC	Siemens	1	No.
TNC	Breaker Control Switch	16A	L&T-Salzer	1	No.
I/L	Indicating light LED type (RYB)	220V AC	L&T-Esbee	3	Nos.
I/L	Indicating light LED type (ON/OFF/TRIP/TCH)	220V AC	L&T-Esbee	4	Nos.
A/M	Auto Manual Selector Switch	6A	L&T-Salzer	1	No.
AC	Auxiliary Contactor 2NO+2NC	220V AC	Siemens	2	Nos.
NL	Neutral Link		Reputed	1	No.
CMCB	Control SP MCB 10KA C-Curve	6A	Siemens	2	Nos.
<b>B/C -4 -2500A 4P EDO ACB Feeder For Space Provision Only Future Use.</b>					
<b>O/G:1250A 3P MDO ACB Feeder</b>					
ACB	TP MDO ACB 50KA Microprocessor based with O/L , S/C & E/F Protection Release With Current Metering +Trip Micro Switch-3WT8121-6AA04-5AB2	1250A	Siemens 3WT	4	Nos.
MFM	Digital Multifunction Meter CI-1.0 with RS 485 Port	EM6400NG	Conzerv	4	Nos.
MCT	Metering CT -/5A CL-1.0,15VA For Metering	1250A	AE/Kappa	12	Nos.
I/L	Indicating light LED type (RYB)	220V AC	L&T-Esbee	12	Nos.
I/L	Indicating light LED type (ON/OFF/TRIP/TCH)	220V AC	L&T-Esbee	16	Nos.
NL	Neutral Link		Reputed	4	Nos.
CMCB	Control SP MCB 10KA C-Curve	6A	Siemens	16	Nos.
<b>O/G:1600A 3P MDO ACB Feeder</b>					
ACB	TP MDO ACB 50KA Microprocessor based with O/L , S/C & E/F Protection Release With Current Metering +Trip Micro Switch-3WT8161-6AA04-5AB2	1600A	Siemens 3WT	1	No.
MFM	Digital Multifunction Meter CI-1.0 with RS 485 Port	EM6400NG	Conzerv	1	No.
MCT	Metering CT -/5A CL-1.0,15VA For Metering	1600A	AE/Kappa	3	Nos.
I/L	Indicating light LED type (RYB)	220V AC	L&T-Esbee	3	Nos.
I/L	Indicating light LED type (ON/OFF/TRIP/TCH)	220V AC	L&T-Esbee	4	Nos.
NL	Neutral Link		Reputed	1	No.
CMCB	Control SP MCB 10KA C-Curve	6A	Siemens	4	Nos.
<b>O/G:2500A 3P MDO ACB Feeder</b>					
ACB	TP MDO ACB 50KA Microprocessor based with O/L , S/C & E/F Protection Release With Current Metering +Trip Micro Switch-3WT8252-6AA04-5AB2	2500A	Siemens 3WT	1	No.
MFM	Digital Multifunction Meter CI-1.0 with RS 485 Port	EM6400NG	Conzerv	1	No.
MCT	Metering CT -/5A CL-1.0,15VA For Metering	2500A	AE/Kappa	3	Nos.
I/L	Indicating light LED type (RYB)	220V AC	L&T-Esbee	3	Nos.
I/L	Indicating light LED type (ON/OFF/TRIP/TCH)	220V AC	L&T-Esbee	4	Nos.
NL	Neutral Link		Reputed	1	No.
CMCB	Control SP MCB 10KA C-Curve	6A	Siemens	4	Nos.
<b>O/G:3200A 3P MDO ACB Feeder</b>					
ACB	TP MDO ACB 50KA Microprocessor based with O/L , S/C & E/F Protection Release With Current Metering +Trip Micro Switch-3WT8322-6AA04-5AB2	3200A	Siemens 3WT	1	No.
MFM	Digital Multifunction Meter CI-1.0 with RS 485 Port	EM6400NG	Conzerv	1	No.
MCT	Metering CT -/5A CL-1.0,15VA For Metering	3200A	AE/Kappa	3	Nos.
I/L	Indicating light LED type (RYB)	220V AC	L&T-Esbee	3	Nos.
I/L	Indicating light LED type (ON/OFF/TRIP/TCH)	220V AC	L&T-Esbee	4	Nos.
NL	Neutral Link		Reputed	1	No.



CMCB	Control SP MCB 10KA C-Curve	6A	Siemens	4	Nos.
FWF	9" Cooling Fan With Filter & 9" Filter Louver		Rexnord/Highcol/Reputed	8	Nos.
CMCB	Control SP MCB 10KA C-Curve	6A	Siemens	8	Nos.
SH	Space Heater with Thermostat + Power Socket		Reputed	8	Nos.
MCB	DP MCB 10kA C-Curve	6A	Siemens	8	Nos.
T	Door limit switch with LED Light		Reputed	11	Nos.
CMCB	Control SP MCB 10KA C-Curve	6A	Siemens	11	Nos.
<b>Electrolytic grade TPN Aluminium Horizontal Bus Bar 5000A (7200Sq.mm) Hindalco Make</b>					





**Expert Engineers**  
Electrical Control Panel Manufacturers

*C PRI approved vendor*  
*LAT Partner for Panel Building*  
*Strength: 100 Labours Included*

ANNEXURE 'I'

Sr. No	Product Description	Quantity	Unit	Unit Price	Amount
1	DG Room Main LT Panel	1.00	No	6100000.00	6100000.00
2	BP5 Press LT Panel	1.00	No	5700000.00	5700000.00
<b>Total Qty:</b>		<b>2.00</b>		<b>Taxable Amount:</b>	<b>11800000.00</b>
				SGST:	1062000.00
				CGST:	1062000.00
				<b>Total Amount:</b>	<b>INR 13924000.00</b>

*ninety eight lac seven thousand six hundred only + GST (18%)*

Amount In Words: ~~INR ONE HUNDRED THIRTY-NINE LAKHS TWENTY-FOUR THOUSAND ONLY~~

**Payments Terms**

100% within 7 days against delivery.

*→ Turnover last year: 2021-22-15 Cr*  
*2022-23-20 Cr*

**Terms & Conditions:-**

*→ Staff - 25*  
*• Wages - 75*

Unless mentioned otherwise in the offer, all prices indicated herein are unit prices for supply Exworks/ F.O.R. Khushkhera basis, exclusive/ inclusive of packing but exclusive of Transit Insurance, GST, Octroi etc. All the above-mentioned charges and levies & any other unforeseen taxes, duties & levies shall be charged extra to the Customer's account at actual at the rates prevailing at the time of invoicing. Statutory Variation of Govt. Taxes, duties, levies etc shall be to customer's account. EXPERT ENGINEERS has quoted the price considering the full quantity order placed on them. In case the Customer wishes to place part quantity, EXPERT ENGINEERS reserve the right to change the offer prices & other terms of supply.

*Discussed with Mr. Gupta and agreed above*

*06/12/22*

The prices quoted are Firm / Subject to the IEEMA Variation Clause without ceiling/ limit, enclosed separately.

The price quoted is strictly for supply of equipment within contractual delivery period but not exceeding from the date of agreed Contractual Delivery Date. The contractual price would be subject to our renegotiation if delivery is delayed beyond the above calendar month, for whatever be the reason

\* **DELIVERY PERIOD :**

*8 weeks*

The material shall be dispatched from our works ~~within 6 weeks~~ from the date of receipt of techno-commercial clear order. The date of dispatch shall be reckoned from the date of receipt of the date of receipt by us of your fully clear order, advance and approval of drawings, whichever is last

The delivery of the equipment is based on the present-day shop-loading and shall be subjected to our confirmation at the time finalization of the order.

**Expert Engineers**

G1 287, RIICO Industrial Area Khushkhera, Bhiwadi, Dist Alwar, Bhiwadi, Rajasthan, 9711377735, sales@expertengineers.co.in



## QUOTATION

QT.NO : QU00937/2022-23-RO  
QT Date : 30-11-2022 00:00:00

Enquiry No. : ENQ1236/2022-23  
Enquiry Date : 24-Nov-2022

To,  
M/s. Jindal Aluminium Limited  
SP- 2/333, RIICO Industrial Area, Bhiwadi, Dist. Alwar Rajasthan 301019  
Kind Attn: Vikram Jeet (9900032152)  
Email : vikramjeet@jindalaluminium.com

Project Name : EN221102124Bhiwadi Division

Subject : Offer for supply of LT Panels

Dear Sir,

We acknowledge with thanks the receipt of your enquiry for your requirement for above mentioned subject and we are glad to furnish our most reasonable and competitive offer for the Control Panel as per your specifications

We are pleased to submit our offer as mentioned below -

Annexure I : Price Schedule  
Annexure II : Commercial Terms & Condition  
Annexure III : Technical Specifications  
Annexure IV : Bill of Materials

We hope that the offer will be in line with your requirement and please feel free to contact us in case you have any query.

Thanking you,  
Yours faithfully  
for EXPERT ENGINEERS

Lokesh Gupta  
Regional Sales Manager  
9717797659

**Expert Engineers**

G1 287, RIICO Industrial Area Khushkhara, Bhiwadi, Distt Alwar, Bhiwadi, Rajasthan, 9711377735, sales@expertengineers.co.in



**Bill of Materials:**

1	DG Room Main LT Panel		BOARD QTY		
A	MAIN INCOMER		1	FEEDER QTY	2
SR. NO.	BOQDESCRIPTION	MAKE	CATALOG NUMBER	QTY	TOTAL QTY
1	2500A 4P Frame Size:2 EDO ACB, Release: ETU37WT: LSING+Display, Type:3WT	SIEMENS	3WT8256-6UA34-5AB2	1	2
2	Under Voltage Release (Instantaneous), Voltage: 208-240V AC/220-250V DC	SIEMENS	3WT9853-1JK00	1	2
3	25A Standard Mounting TNC Switch, AuxContact: 2NO+2NC	SALZER	720095E03PG88	1	2
4	Ready To Close	SIEMENS		1	2
5	10A Auxiliary Contactor, Coil: 230V AC, Aux Contact: 2NO+2NC, Size: 500, Type: 3RH2	SIEMENS	3RH2122-1AP008K	2	4
6	Auxiliary Contact Block for snapping onto the front, Contacts: 2NO+2NC, Size: 500/S0/S2/S3, for 3RH2	SIEMENS	3RH2911-1HA22	2	4
7	2500/5A 15VA Acc. Cl: 1 Ring Type Current Transformer	AE	NA	4	8
8	Multifunction Energy Meter with RS485, Parameters: Volts, Amps, PF, THD, F, W, Wh, VA, VAh, Var, Varh, Runhrs, Onhrs, Interrupts, Preloaded Demand & Import /Export, Acc. Cl: 1, Model: EM6400NG	SCHNEIDER	METSEEM6400NGRSCL1	1	2
9	Red Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	ESBEE	EPLR240A	3	6
10	Yellow Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	ESBEE	EPLY240A	1	2
11	Blue Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	ESBEE	EPLB240A	1	2
12	Green Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	ESBEE	EPLG240A	1	2
13	Amber Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	ESBEE	EPLA240A	1	2
14	6A 1P 10kA C-Curve MCB	SIEMENS	5SL41067RC	5	10
15	Phase loss+ Phase Sequence +Phase Asymetry + UV + OV+3 phase interruption Relay, Power ON delay (5s Fixed),ON delay (1-30 sec or Fixed), OFF delay (0.1 - 30 sec or Fixed), Voltage +_ 1% of set value, Auxiliary Supply (P-N): 500V -1000V AC, Type: SM 600	GIC	SMB110	1	2
16	3 Phase Over Current + Earth Fault Relay Contacts:2NO+2NC, Aux. Supply: 24-240V AC/DC	L&T	MC31ANX2200	1	2
17	CBCT RING TYPE Nylon Housing, Turn: 1000, ID: 92mm	PROCOM	NA	3	6
18	6A 2P 2Way Local - Remote/ Auto-Manual Switch with Center OFF, 60 Deg. Operation	SALZER	610265AB13	1	2
19	Red Mushroom Head(Push - Turn) Push Button 22.5 mm	ESBEE	EMNRMH1	1	2
20	1NO Contact Block	ESBEE	EC1C	1	2
21	Space Heater with Thermostat & MCB	REPUTED	220V AC	1	2
22	Power Socket	ANCHOR	220V AC	1	2
23	Co-Axial Panel Fan with Air Filter	REPUTED	9"	1	2
A	DG INCOMER-1&2		1	FEEDER QTY	2
1	2500A 4P Frame Size:2 EDO ACB, Release: ETU37WT: LSING+Display, Type:3WT	SIEMENS	3WT8256-6UA34-5AB2	1	2
2	Under Voltage Release (Instantaneous), Voltage: 208-240V AC/220-250V DC	SIEMENS	3WT9853-1JK00	1	2
3	25A Standard Mounting TNC Switch, AuxContact: 2NO+2NC	SALZER	720095E03PG88	1	2
4	Ready To Close	SIEMENS		1	2
5	10A Auxiliary Contactor, Coil: 230V AC, Aux Contact: 2NO+2NC, Size: 500, Type: 3RH2	SIEMENS	3RH2122-1AP008K	2	4
6	Auxiliary Contact Block for snapping onto the front, Contacts: 2NO+2NC, Size: 500/S0/S2/S3, for 3RH2	SIEMENS	3RH2911-1HA22	2	4
7	2500/5A 15VA Acc. Cl: 1 Ring Type Current Transformer	AE	NA	3	6
8	Multifunction Energy Meter with RS485, Parameters: Volts, Amps, PF, THD, F, W, Wh, VA, VAh, Var, Varh, Runhrs, Onhrs, Interrupts, Preloaded Demand & Import /Export, Acc. Cl: 1, Model: EM6400NG	SCHNEIDER	METSEEM6400NGRSCL1	1	2



9	Red Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	ESBEE	EPLR240A	3	6
10	Yellow Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	ESBEE	EPLY240A	1	2
11	Blue Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	ESBEE	EPLB240A	1	2
12	Green Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	ESBEE	EPLG240A	1	2
13	Amber Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	ESBEE	EPLA240A	1	2
14	6A 1P 10kA C-Curve MCB	SIEMENS	5SL41067RC	5	10
15	Reverse Power relay (3-phase 4-wire, Reverse Power: 2% - 20% (adjustable), Power On Delay & Trip Time Delay: 1 - 10 secs. (adjustable)), Auto/Manual reset, In Built Auxillary Supply, Relay output: 2 CO, Type: RPF D2	MINILEC	RPF D2	1	2
16	6A 2P 2Way Local - Remote/ Auto-Manual Switch with Center OFF, 60 Deg. Operation	SALZER	610265AB13	1	2
17	Space Heater with Thermostat & MCB	REPUTED	220V AC	1	2
18	Power Socket	ANCHOR	220V AC	1	2
19	Co-Axial Panel Fan with Air Filter	REPUTED	9"	1	2
A	<b>BUSCOUPLER-1&amp;4</b>		1	<b>FEEDER QTY</b>	2
1	2500A 4P Frame Size:2 EDO ACB, Release: ETU37WT: LSING+Display, Type:3WT	SIEMENS	3WT8256-6AA34-5AB2	1	2
2	Under Voltage Release (Instantaneous), Voltage: 208-240V AC/220-250V DC	SIEMENS	3WT9853-1JK00	1	2
3	25A Standard Mounting 1NC Switch, AuxContact: 2NO+2NC	SALZER	720095E803PG88	1	2
4	Ready To Close	SIEMENS		1	2
5	10A Auxiliary Contactor, Coil: 230V AC, Aux Contact: 2NO+2NC, Size: S00, Type: 3RH2	SIEMENS	3RH2122-1AP008K	2	4
6	Auxiliary Contact Block for snapping onto the front, Contacts: 2NO+2NC, Size: S00/S0/S2/S3, for 3RH2	SIEMENS	3RH2911-1HA22	2	4
7	Red Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	ESBEE	EPLR240A	2	4
8	Green Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	ESBEE	EPLG240A	1	2
9	Amber Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	ESBEE	EPLA240A	1	2
10	6A 1P 10kA C-Curve MCB	SIEMENS	5SL41067RC	5	10
11	6A 2P 2Way Local - Remote/ Auto-Manual Switch with Center OFF, 60 Deg. Operation	SALZER	610265AB13	1	2
A	<b>O/G-ACB 2500A 3P</b>		1	<b>FEEDER QTY</b>	1
1	2500A 3P Frame Size:2 MDO ACB, Release: ETU37WT: LSING+Display, Type:3WT	SIEMENS	3WT8252-6AA04-5AB2	1	1
2	2500/5A 15VA Acc. Cl: 1 Ring Type Current Transformer	AE	NA	3	3
3	Ready To Close	SIEMENS		1	1
4	Multifunction Energy Meter with RS485, Parameters: Volts, Amps, PF, THD, F, W, Wh, VA, VAh, Var, Varh, Runhrs, Onhrs, Interrupts, Preloaded Demand & Import /Export, Acc. Cl: 1, Model: EM6400NG	SCHNEIDER	METSEEM6400NGR5CL1	1	1
5	Red Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	ESBEE	EPLR240A	2	2
6	Green Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	ESBEE	EPLG240A	1	1
7	Amber Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	ESBEE	EPLA240A	1	1
8	6A 1P 10kA C-Curve MCB	SIEMENS	5SL41067RC	4	4
9	Space Heater with Thermostat & MCB	REPUTED	220V AC	1	1
10	Power Socket	ANCHOR	220V AC	1	1
11	Co-Axial Panel Fan with Air Filter	REPUTED	9"	1	1
12	Panel Light with Door Limit Switch & MCB	REPUTED	LED	1	1
A	<b>O/G-ACB 2000A 3P</b>		1	<b>FEEDER QTY</b>	3
1	2000A 3P Frame Size:2 MDO ACB, Release: ETU37WT: LSING+Display, Type:3WT	SIEMENS	3WT8202-6AA04-5AB2	1	3
2	2000/5A 15VA Acc. Cl: 1 Ring Type Current Transformer	AE	NA	3	9
3	Ready To Close	SIEMENS		1	3
4	Multifunction Energy Meter with RS485, Parameters: Volts, Amps, PF, THD, F, W, Wh, VA, VAh, Var, Varh, Runhrs, Onhrs, Interrupts, Preloaded Demand & Import /Export, Acc. Cl: 1, Model: EM6400NG	SCHNEIDER	METSEEM6400NGR5CL1	1	3
5	Red Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	ESBEE	EPLR240A	2	6



6	Green Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	ESBEE	EPLG240A	1	3
7	Amber Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	ESBEE	EPLA240A	1	3
8	6A 1P 10kA C-Curve MCB	SIEMENS	SSL41067RC	4	12
9	Space Heater with Thermostat & MCB	REPUTED	220V AC	1	3
10	Power Socket	ANCHOR	220V AC	1	3
11	Co-Axial Panel Fan with Air Filter	REPUTED	9"	1	3
12	Panel Light with Door Limit Switch & MCB	REPUTED	LED	1	3
<b>A</b>	<b>O/G-ACB 1600A 3P</b>		<b>1</b>	<b>FEEDER QTY</b>	<b>2</b>
1	1600A 3P Frame Size:1 MDO ACB, Release: ETU37WT: LSING+Display, Type:3WT	SIEMENS	3WT8161-6AA04-5AB2	1	2
2	1600/5A 15VA Acc. Cl: 1 Ring Type Current Transformer	AE	NA	3	6
3	Ready To Close	SIEMENS		1	2
4	Multifunction Energy Meter with RS485, Parameters: Volts, Amps, PF, THD, F, W, Wh, VA, VAh, Var, Varh, Runhrs, Onhrs, Interrupts, Preloaded Demand & Import /Export, Acc. Cl: 1, Model: EM6400NG	SCHNEIDER	METSEEM6400NGRSCL1	1	2
5	Red Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	ESBEE	EPLR240A	2	4
6	Green Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	ESBEE	EPLG240A	1	2
7	Amber Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	ESBEE	EPLA240A	1	2
8	6A 1P 10kA C-Curve MCB	SIEMENS	SSL41067RC	4	8
9	Space Heater with Thermostat & MCB	REPUTED	220V AC	1	2
10	Power Socket	ANCHOR	220V AC	1	2
11	Co-Axial Panel Fan with Air Filter	REPUTED	9"	1	2
12	Panel Light with Door Limit Switch & MCB	REPUTED	LED	1	2
<b>A</b>	<b>O/G-ACB 1250A 3P</b>		<b>1</b>	<b>FEEDER QTY</b>	<b>3</b>
1	1250A 3P Frame Size:1 MDO ACB, Release: ETU37WT: LSING+Display, Type:3WT	SIEMENS	3WT8121-6AA04-5AB2	1	3
2	1250/5A 15VA Acc. Cl: 1 Ring Type Current Transformer	AE	NA	3	9
3	Ready To Close	SIEMENS		1	3
4	Multifunction Energy Meter with RS485, Parameters: Volts, Amps, PF, THD, F, W, Wh, VA, VAh, Var, Varh, Runhrs, Onhrs, Interrupts, Preloaded Demand & Import /Export, Acc. Cl: 1, Model: EM6400NG	SCHNEIDER	METSEEM6400NGRSCL1	1	3
5	Red Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	ESBEE	EPLR240A	2	6
6	Green Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	ESBEE	EPLG240A	1	3
7	Amber Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	ESBEE	EPLA240A	1	3
8	6A 1P 10kA C-Curve MCB	SIEMENS	SSL41067RC	4	12
9	Space Heater with Thermostat & MCB	REPUTED	220V AC	1	3
10	Power Socket	ANCHOR	220V AC	1	3
11	Co-Axial Panel Fan with Air Filter	REPUTED	9"	1	3
12	Panel Light with Door Limit Switch & MCB	REPUTED	LED	1	3
<b>A</b>	<b>O/G-ACB 800A 3P</b>		<b>1</b>	<b>FEEDER QTY</b>	<b>6</b>
1	800A 3P Frame Size:1 MDO ACB, Release: ETU37WT: LSING+Display, Type:3WT	SIEMENS	3WT8081-6AA04-5AB2	1	6
2	800/5A 15VA Acc. Cl: 1 Ring Type Current Transformer	AE	NA	3	18
3	Ready To Close	SIEMENS		1	6
4	Multifunction Energy Meter with RS485, Parameters: Volts, Amps, PF, THD, F, W, Wh, VA, VAh, Var, Varh, Runhrs, Onhrs, Interrupts, Preloaded Demand & Import /Export, Acc. Cl: 1, Model: EM6400NG	SCHNEIDER	METSEEM6400NGRSCL1	1	6
5	Red Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	ESBEE	EPLR240A	2	12
6	Green Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	ESBEE	EPLG240A	1	6
7	Amber Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	ESBEE	EPLA240A	1	6
8	6A 1P 10kA C-Curve MCB	SIEMENS	SSL41067RC	4	24
9	Space Heater with Thermostat & MCB	REPUTED	220V AC	1	6
10	Power Socket	ANCHOR	220V AC	1	6
11	Co-Axial Panel Fan with Air Filter	REPUTED	9"	1	6
12	Panel Light with Door Limit Switch & MCB	REPUTED	LED	1	6
<b>A</b>	<b>FABRICATION DETAILS</b>	<b>MAKE</b>	<b>SIZE (HxWxD) mm</b>	<b>QTY</b>	<b>UNIT</b>



1	Panel Enclosure 16/14 Gauge	EXPERT	2175 x 18900 x 1200 mm	1	JOB	
B	BUSBAR DETAILS		MAKE	RATING	SET	Material
1	BUSBAR - MAIN	HINDALCO	3000A	1	Busbar AL	
2	BUSBAR - VERTICAL DROPPER BUSBAR	HINDALCO	0A	1	Busbar AL	
3	BUSBAR - EARTH	HINDALCO	500A	1	Busbar AL	
1	BP5 Press LT Panel		BOARD QTY			
A	5000A TRF INCOMER		1	FEEDER QTY	1	
SR. NO.	BOQDESCRIPTION	MAKE	CATALOG NUMBER	QTY	TOTAL QTY	
1	5000A 4P Frame Size:3 EDO ACB with Motorised Mechanism: 208-240V AC, 220V DC or 110-127V AC, 110V DC motor, closing coil & Shunt trip coil, Release: ETU45B LSING with Current display, Type:3WL	SIEMENS	3WL1350	1	1	
2	Under Voltage Release(Instantaneous), Voltage: 380-415V AC	SIEMENS	3WA9111-0AED7	1	1	
3	25A Standard Mounting TNC Switch, AuxContact: 2NO+2NC	SALZER	720095E803PG8B	1	1	
4	Ready To Close	SIEMENS		1	1	
5	10A Auxiliary Contactor, Coil: 230V AC, Aux Contact: 2NO+2NC, Size: 500, Type: 3RH2	SIEMENS	3RH2122-1AP008K	2	2	
6	Auxiliary Contact Block for snapping onto the front, Contacts: 2NO+2NC, Size: 500/50/52/53, for 3RH2	SIEMENS	3RH2911-1HA22	2	2	
7	5000/5A 15VA Acc. Cl: 1 Ring Type Current Transformer	AE	NA	4	4	
8	Multifunction Energy Meter with RS485, Parameters: Volts, Amps, PF, THD, F, W, Wh, VA, VAh, Var, Varh, Runhrs, Onhrs, Interrupts, Preloaded Demand & Import /Export, Acc. Cl: 1, Model: EM6400NG	SCHNEIDER	METSEEM6400NGRSCL1	1	1	
9	Red Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	ESBEE	EPLR240A	3	3	
10	Yellow Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	ESBEE	EPLY240A	1	1	
11	Blue Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	ESBEE	EPLB240A	1	1	
12	Green Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	ESBEE	EPLG240A	1	1	
13	Amber Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	ESBEE	EPLA240A	1	1	
14	6A 1P 10kA C-Curve MCB	SIEMENS	5SL410679C	5	5	
15	Phase loss+ Phase Sequence +Phase Asymetry + UV + OV+3 phase Interruption Relay, Power ON delay (5s Fixed), ON delay (1-30 sec or Fixed), OFF delay (0.1 - 30 sec or Fixed), Voltage +_ 1% of set value, Auxiliary Supply (P-N): 500V -1000V AC, Type: SM 600	GIC	SMB110	1	1	
16	3 Phase Over Current + Earth Fault Relay Contacts:2NO+2NC, Aux. Supply: 24-240V AC/DC	L&T	MC31ANX2200	1	1	
17	CBCT RING TYPE Nylon Housing, Turn: 1000, ID: 92mm	PROCOM	NA	3	3	
18	6A 2P 2Way Local - Remote/ Auto-Manual Switch with Center OFF, 60 Deg. Operation	SALZER	610265AB13	1	1	
19	Red Mushroom Head(Push - Turn) Push Button 22.5 mm	ESBEE	EMNRMHJ	1	1	
20	1NO Contact Block	ESBEE	EC1C	1	1	
21	Space Heater with Thermostat & MCB	REPUTED	220V AC	1	1	
22	Power Socket	ANCHOR	220V AC	1	1	
23	Co-Axial Panel Fan with Air Filter	REPUTED	9"	1	1	
A	DG INCOMER-1&2		1	FEEDER QTY	2	
1	2500A 4P Frame Size:2 EDO ACB, Release: ETU37WT: LSING+Display, Type:3WT	SIEMENS	3WT8256-6UA34-5AB2	1	2	
2	Under Voltage Release (Instantaneous), Voltage: 208-240V AC/220-250V DC	SIEMENS	3WT9853-1JK00	1	2	
3	25A Standard Mounting TNC Switch, AuxContact: 2NO+2NC	SALZER	720095E803PG8B	1	2	
4	Ready To Close	SIEMENS		1	2	
5	10A Auxiliary Contactor, Coil: 230V AC, Aux Contact: 2NO+2NC, Size: 500, Type: 3RH2	SIEMENS	3RH2122-1AP008K	2	4	
6	Auxiliary Contact Block for snapping onto the front, Contacts: 2NO+2NC, Size: 500/50/52/53, for 3RH2	SIEMENS	3RH2911-1HA22	2	4	
7	2500/5A 15VA Acc. Cl: 1 Ring Type Current Transformer	AE	NA	3	6	





8	Multifunction Energy Meter with RS485, Parameters: Volts, Amps, PF, THD, F, W, Wh, VA, VAh, Var, Varh, Runhrs, Onhrs, Interrupts, Preloaded Demand & Import/Export, Acc. Cl: 1, Model: EM6400NG	SCHNEIDER	METSEEM6400NGRSL1	1	2
9	Red Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	ESBEE	EPLR240A	3	6
10	Yellow Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	ESBEE	EPLY240A	1	2
11	Blue Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	ESBEE	EPLB240A	1	2
12	Green Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	ESBEE	EPLG240A	1	2
13	Amber Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	ESBEE	EPLA240A	1	2
14	6A 1P 10kA C-Curve MCB	SIEMENS	5SL41067RC	5	10
15	Reverse Power Relay (3-phase 4-wire, Reverse Power: 2% - 20% [adjustable], Power On Delay & Trip Time Delay: 1 - 10 secs. [adjustable]), Auto/Manual reset, In Built Auxillary Supply, Relay output: 2 CO, Type: RPF D2	MINILEC	RPF D2	1	2
16	Phase loss+ Phase Sequence +Phase Asymetry + UV + OV+3 phase Interruption Relay, Power ON delay (5s Fixed),OH delay (1-30 sec or Fixed), OFF delay (0.1 - 30 sec or Fixed), Voltage +_ 1% of set value, Auxillary Supply (P-N): 500V -1000V AC, Type: SM 600	GIC	SMB110	1	2
17	6A 2P 2Way Local - Remote/ Auto-Manual Switch with Center OFF, 60 Deg. Operation	SALZER	610265A613	1	2
18	Red Mushroom Head[Push + Turn] Push Button 22.5 mm	ESBEE	EMNRMH1	1	2
19	1NO Contact Block	ESBEE	EC1C	1	2
20	Space Heater with Thermostat & MCB	REPUTED	220V AC	1	2
21	Power Socket	ANCHOR	220V AC	1	2
22	Co-Axial Panel Fan with Air Filter	REPUTED	9"	1	2
A	<b>BUSCOUPLER-5000A</b>			1	FEEDER QTY 1
1	5000A 4P Frame Size:3 EDO ACB with Motorised Mechanism: 208-240V AC, 220V DC or 110-127V AC, 110V DC motor, closing coil & Shunt trip coil, Release: ETU458 LSING with Current display, Type:3WL	SIEMENS	3WL1350	1	1
2	Under Voltage Release(Instantaneous), Voltage: 380-415V AC	SIEMENS	3WA9111-0AE07	1	1
3	25A Standard Mounting TNC Switch, AuxContact: 2NO+2NC	SALZER	720095EB03PGBB	1	1
4	Ready To Close	SIEMENS		1	1
5	10A Auxillary Contactor, Coil: 230V AC, Aux Contact: 2NO+2NC, Size: 500, Type: 3RH2	SIEMENS	3RH2122-1AP008K	2	2
6	Auxillary Contact Block for snapping onto the front, Contacts: 2NO+2NC, Size: 500/50/52/53, for 3RH2	SIEMENS	3RH2911-1HA22	2	2
7	Red Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	ESBEE	EPLR240A	2	2
8	Green Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	ESBEE	EPLG240A	1	1
9	Amber Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	ESBEE	EPLA240A	1	1
10	6A 1P 10kA C-Curve MCB	SIEMENS	5SL41067RC	5	5
A	<b>BUSCOUPLER-2500A</b>			1	FEEDER QTY 1
1	2500A 4P Frame Size:2 EDO ACB, Release: ETU37WT: LSING+Display, Type:3WT	SIEMENS	3WT8256-6UA34-5AB2	1	1
2	Under Voltage Release (Instantaneous), Voltage: 208-240V AC/220-250V DC	SIEMENS	3WT9853-1JK00	1	1
3	25A Standard Mounting TNC Switch, AuxContact: 2NO+2NC	SALZER	720095EB03PGBB	1	1
4	Ready To Close	SIEMENS		1	1
5	10A Auxillary Contactor, Coil: 230V AC, Aux Contact: 2NO+2NC, Size: 500, Type: 3RH2	SIEMENS	3RH2122-1AP008K	2	2
6	Auxillary Contact Block for snapping onto the front, Contacts: 2NO+2NC, Size: 500/50/52/53, for 3RH2	SIEMENS	3RH2911-1HA22	2	2
7	Red Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	ESBEE	EPLR240A	2	2
8	Green Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	ESBEE	EPLG240A	1	1
9	Amber Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	ESBEE	EPLA240A	1	1
10	6A 1P 10kA C-Curve MCB	SIEMENS	5SL41067RC	5	5
A	<b>BUSCOUPLER-2500A Only Space</b>			1	FEEDER QTY 1
1	BUSCOUPLER-2500A Only Space	L&T		1	1
A	<b>O/G-ACB 3200A 3P</b>			1	FEEDER 1



				QTY	
1	3200A 3P Frame Size-2 MDO ACB, Release: ETU37WT: LSING+Display, Type:3WT	SIEMENS	3WT8322-6AA04-5AB2	1	1
2	3200/5A 15VA Acc. Cl: 1 Ring Type Current Transformer	AE	NA	3	3
3	Ready To Close	SIEMENS		1	1
4	Multifunction Energy Meter with RS485, Parameters: Volts, Amps, PF, THD, F, W, Wh, VA, VAh, Var, Varh, Runhrs, Onhrs, Interrupts, Preloaded Demand & Import /Export, Acc. Cl: 1, Model: EM6400NG	SCHNEIDER	METSEEM6400NGRSCL1	1	1
5	Red Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	ESBEE	EPLR240A	2	2
6	Green Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	ESBEE	EPLG240A	1	1
7	Amber Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	ESBEE	EPLA240A	1	1
8	6A 1P 10kA C-Curve MCB	SIEMENS	5SL41067RC	4	4
9	Space Heater with Thermostat & MCB	REPUTED	220V AC	1	1
10	Power Socket	ANCHOR	220V AC	1	1
11	Co-Axial Panel Fan with Air Filter	REPUTED	9"	1	1
12	Panel Light with Door Limit Switch & MCB	REPUTED	LED	1	1
<b>A</b>	<b>O/G-ACB 2500A 3P</b>		<b>1</b>	<b>FEEDER QTY</b>	<b>2</b>
1	2500A 3P Frame Size-2 MDO ACB, Release: ETU37WT: LSING+Display, Type:3WT	SIEMENS	3WT8252-6AA04-5AB2	1	2
2	2500/5A 15VA Acc. Cl: 1 Ring Type Current Transformer	AE	NA	3	6
3	Ready To Close	SIEMENS		1	2
4	Multifunction Energy Meter with RS485, Parameters: Volts, Amps, PF, THD, F, W, Wh, VA, VAh, Var, Varh, Runhrs, Onhrs, Interrupts, Preloaded Demand & Import /Export, Acc. Cl: 1, Model: EM6400NG	SCHNEIDER	METSEEM6400NGRSCL1	1	2
5	Red Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	ESBEE	EPLR240A	2	4
6	Green Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	ESBEE	EPLG240A	1	2
7	Amber Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	ESBEE	EPLA240A	1	2
8	6A 1P 10kA C-Curve MCB	SIEMENS	5SL41067RC	4	8
9	Space Heater with Thermostat & MCB	REPUTED	220V AC	1	2
10	Power Socket	ANCHOR	220V AC	1	2
11	Co-Axial Panel Fan with Air Filter	REPUTED	9"	1	2
12	Panel Light with Door Limit Switch & MCB	REPUTED	LED	1	2
<b>A</b>	<b>O/G-ACB 1250A 3P</b>		<b>1</b>	<b>FEEDER QTY</b>	<b>2</b>
1	1250A 3P Frame Size-1 MDO ACB, Release: ETU37WT: LSING+Display, Type:3WT	SIEMENS	3WT8121-6AA04-5AB2	1	2
2	1250/5A 15VA Acc. Cl: 1 Ring Type Current Transformer	AE	NA	3	6
3	Ready To Close	SIEMENS		1	2
4	Multifunction Energy Meter with RS485, Parameters: Volts, Amps, PF, THD, F, W, Wh, VA, VAh, Var, Varh, Runhrs, Onhrs, Interrupts, Preloaded Demand & Import /Export, Acc. Cl: 1, Model: EM6400NG	SCHNEIDER	METSEEM6400NGRSCL1	1	2
5	Red Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	ESBEE	EPLR240A	2	4
6	Green Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	ESBEE	EPLG240A	1	2
7	Amber Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	ESBEE	EPLA240A	1	2
8	6A 1P 10kA C-Curve MCB	SIEMENS	5SL41067RC	4	8
9	Space Heater with Thermostat & MCB	REPUTED	220V AC	1	2
10	Power Socket	ANCHOR	220V AC	1	2
11	Co-Axial Panel Fan with Air Filter	REPUTED	9"	1	2
12	Panel Light with Door Limit Switch & MCB	REPUTED	LED	1	2
<b>A</b>	<b>O/G-ACB 800A 3P</b>		<b>1</b>	<b>FEEDER QTY</b>	<b>3</b>
1	800A 3P Frame Size:1 MDO ACB, Release: ETU37WT: LSING+Display, Type:3WT	SIEMENS	3WT8081-6AA04-5AB2	1	3
2	800/5A 15VA Acc. Cl: 1 Ring Type Current Transformer	AE	NA	3	9
3	Ready To Close	SIEMENS		1	3
4	Multifunction Energy Meter with RS485, Parameters: Volts, Amps, PF, THD, F, W, Wh, VA, VAh, Var, Varh, Runhrs, Onhrs, Interrupts, Preloaded Demand & Import /Export, Acc. Cl: 1, Model: EM6400NG	SCHNEIDER	METSEEM6400NGRSCL1	1	3



5	Red Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	ESBEE	EPLR240A	2	6
6	Green Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	ESBEE	EPLG240A	1	3
7	Amber Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	ESBEE	EPLA240A	1	3
8	6A 1P 10kA C-Curve MCB	SIEMENS	SSL41067RC	4	12
9	Space Heater with Thermostat & MCB	REPUTED	220V AC	1	3
10	Power Socket	ANCHOR	220V AC	1	3
11	Co-Axial Panel Fan with Air Filter	REPUTED	9"	1	3
12	Panel Light with Door Limit Switch & MCB	REPUTED	LED	1	3
A	FABRICATION DETAILS	MAKE	SIZE (HxWxD) mm	QTY	UNIT
1	Panel Enclosure 16/14 Gauge <i>3mm metal/brassy members,</i>		2175 x 11600 x 1500 mm	1	JOB
B	BUSBAR DETAILS	MAKE	RATING	SET	Material
1	BUSBAR - MAIN	HINDALCO	7200A	1	Busbar AL
1	BUSBAR - MAIN	HINDALCO	0A	1	Busbar AL
2	BUSBAR - VERTICAL DROPPER BUSBAR	HINDALCO	0A	1	Busbar AL
3	BUSBAR - EARTH	HINDALCO	500A	1	Busbar AL

- Gland plates - 3mm
- Pettitions - 1.6mm
- ACB Base frame - 3mm channel
- ~~Base~~ Panel Base! ISMC - 75x40

- ACB/MCCB/MCB (Circuit switch feeds) - Siemens
- Cables - Polycab/KBEI
- Bus bar - Hindalco





QUOTATION

The delivery schedule indicated is in good faith and is subject to Force Major Clause

The requirement of delivery period will be deemed to have been met when the goods is notified as being ready for inspection/dispatch

We reserve the right to advance the delivery and claim balance payment as per the agreed terms of payment You shall accept delivery of items bought from sub-suppliers as and when ready. In case of specific liquidated damage/compensation/price fall cause has been separately agreed upon, the exact rate and value is to be agreed upon before effecting the delivery of the equipment

\* PAYMENT TERMS:

~~30% advance along with purchase order and balance with taxes and duties prior to dispatch against proforma invoice.~~

→ 30% advance with ABC valid for three months

\* VALIDITY:

Our offer is valid for acceptance for a period of 7 days, thereafter the offer shall be subject to our confirmation in writing. At the time of evaluation, we reserve the right to review the price and offer delivery period offered, based on the conditions existing at that time

→ 60% Against proforma invoice before dispatch to submission of PBEY valid for one year

\* TESTS:

Routine tests on completed equipment are carried out as essential process of internal inspection Unless specifically agreed to, therefore, those tests, or any other tests will not be repeated at the time of inspection. For bought out items like switchgears, relays, accessories manufacturer's test certificates, if available, can be furnished, upon prior intimation. No certificate can be furnished for CT's, PT's, Meters etc

→ Delivery: 9 weeks from the date of receipt of purchase order and advance.

\* INSPECTION:

Wherever inspection is agreed upon, your inspector shall carry out the inspection within 7 days of intimation and shall be empowered to authorize dispatch after successful inspection failing which it shall be considered that the inspection has been waived and we shall be free to dispatch the equipment

→ Penalty: 0.5% per week will be levied if delivery delayed beyond 9 weeks from the date of order.

\* SCOPE OF SUPPLY:

Our scope of supply is strictly limited to items specifically included in the enclosed offer. Unless otherwise mentioned, the offer is exclusive of erection/commissioning of material and supply of spares.

In case any equipment changes or modifications are requested by you during the course of manufacturing of equipment, and in the event EXPERT ENGINEERS agree to carry out the same, the change in prices on this account may not be limited to changes in hardware only. The delivery time shall also be extended accordingly.

→ Warranty: one year from the date of commissioning

\* RETENTION OF TITLE & PASSING OF RISKS

The goods remain the sole and absolute property of EXPERT ENGINEERS as legal and equitable owner until all money due to EXPERT ENGINEERS has been paid, but such good will is at the Customer's risk from

Expert Engineers

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## QUOTATION

the time of dispatch of goods to the customer.

**The offer will also be subject to following terms and conditions**

**Assignability Clause**

EXPERT ENGINEERS is entitled to assign this agreement to any third party.

**Arbitration**

In the event of any dispute or difference arising out of these Terms and Conditions, or the LOI/Purchase order/Contract, the same shall be amicably resolved between the Parties in a spirit of mutual goodwill within 30 (thirty) days thereof. In the event the dispute is still not resolved, same shall be finally settled by arbitration in accordance with the Arbitration and Conciliation Act, 1996 by a sole arbitrator appointed by EXPERT ENGINEERS. The arbitration proceedings shall be conducted in the English language and the venue for the same shall be New Delhi, India.

The work under the contract shall continue during the arbitration proceedings and no payment otherwise due to the supplier and payable by the purchaser shall be withheld on account of such proceedings.

**Indemnity**

The Customer shall be solely responsible for any claims by third parties arising from the Customer's acts or omissions in the use of the Goods supplied under this Agreement and under no circumstances shall EXPERT ENGINEERS be held responsible for any such claims by third parties.

The Customer shall indemnify and save harmless EXPERT ENGINEERS and its employees from and against all claims, demands, losses, damages, costs (including attorney fees), actions, suits or other proceedings, all in any manner based upon, arising out of, related to, occasioned by or attributable to, any act, omission or conduct of the Customer, its employees or agents, (whether by reason of negligence or otherwise) in the use of the Goods supplied under this Agreement.

**Governing Law and Jurisdiction**

The LOI/ Purchase order shall in all respects be deemed and construed in conformity with the Indian laws and shall be subject to the exclusive jurisdiction of the Courts at New Delhi, (India).

**Force Majeure**

EXPERT ENGINEERS will not be liable for any loss, damage or delay arising out of its failure to perform hereunder due to causes beyond its reasonable control, including without limitation, acts of God or the customer, acts of civil or military authority, fires, strikes, floods, epidemics, quarantine restrictions, war, riots, delays in transportation, or transportation embargoes. In the event of any such delay, Seller's performance date(s) will be extended for that length of time as may be reasonably necessary to compensate for the delay.

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In case a FORCE MAJEURE situation, the affected party shall inform the other party in writing within 15 days of the onset of the causes of FORCE MAJEURE stating such of their obligations as are thereby delayed or prevented and the parties shall hold consultations as soon as possible to assess the impact of the FORCE MAJEURE situation and determine further action to be taken in the matter. Neither party shall be liable for any or all consequential damages arising out of such acts.

### **Limitation of Liability**

In no event shall EXPERT ENGINEERS's liability for any claim whatsoever exceed the cost of the goods giving rise to the claim, whether based in contract, warranty, indemnity or tort (including without limitation, negligence & strict liability) or otherwise. In no event shall EXPERT ENGINEERS be liable for any special, incidental, consequential or other indirect damages (including without limitation, loss of revenues, profits or opportunities), however caused, on any theory of liability, whether or not EXPERT ENGINEERS has been advised of the possibility of such damages.

### **Intellectual Property Rights**

EXPERT ENGINEERS retain all Intellectual Property Rights in the EXPERT ENGINEERS Goods including but not limited to all patents, copyrights, trademarks, trade names, trade secrets and other proprietary rights in or related to the EXPERT ENGINEERS Goods, whether or not specifically recognized or perfected under the laws of the country where the Goods are manufactured or supplied or intended to be used. EXPERT ENGINEERS shall remain the sole owner of the Intellectual Property rights that is developed during the execution of this Agreement or its validity. The Customer acknowledges all the aforementioned rights of EXPERT ENGINEERS. The Customer undertakes not to, directly or indirectly, oppose any assertion of such rights by EXPERT ENGINEERS or create any impediment in case EXPERT ENGINEERS decides to register any Intellectual Rights in its name under this Clause and the Customer undertakes to fully support and cooperate with EXPERT ENGINEERS to that effect.

Nothing contained in this Agreement shall be construed to transfer any intellectual property rights in or to the Goods in favor of the Customer. The Customer shall not translate, disassemble, reverse engineer, decompile or otherwise attempt to reconstruct or discover any technology embodied in the Goods and/or deface or mutilate any of EXPERT ENGINEERS's trademarks appearing on the Goods.

### **Waiver**

No condoning, excusing or waiver by EXPERT ENGINEERS of any default, breach or non observance by the Customer at any time with respect to any terms set forth herein shall operate as a waiver of EXPERT ENGINEERS's rights with respect to any continuing or subsequent default, breach or non-observance, and no waiver shall be inferred from or implied by any failure to exercise any such rights. No waiver by EXPERT ENGINEERS in enforcing any of its rights shall prejudice its rights to do so in the future.

### **Severance**

## **Expert Engineers**

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## QUOTATION

Should any provision of this Terms and Conditions be declared by any court of competent jurisdiction to be invalid or unenforceable, the remaining provisions shall not be affected thereby, it being the intent of the parties that they would have executed the remaining portion without including any such part or portion which for any reason was declared invalid.

### ENTIRE AGREEMENT

These terms and conditions (agreement) constitute a binding agreement between the customer and EXPERT ENGINEERS. This agreement shall govern all purchases of goods from EXPERT ENGINEERS through submission of an order via phone, facsimile, mail or other means, unless EXPERT ENGINEERS has agreed in writing in the quotation to separate terms, in which case such separate terms will govern such issues to that extent.

Unless otherwise expressly agreed by EXPERT ENGINEERS, the terms and conditions of the contract shall be governed by those contained herein / our subsequent correspondence only.

### Expert Engineers

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# Sun Electro Control Systems Pvt. Ltd.



SECSPL/SK/2022-23/Q220244 Rev-1  
06-Dec-22

M/s Jindal Aluminium Ltd;  
Jindal Nagar  
Tumkur Road  
Bangalore - 560073

→ all switchgears - Siemens make

Kind Attention Mr Rajgopal Sarda  
Mob: 9611 - 95368

Sub: Quotation Against your Enquiry for Supply of LT Panel

Project: Jindal Aluminium Factory @ Bangalore

Revised Final Rates

Dear Sir/Madam,

Thank you for your kind Enquiry and we hereby submit our most competitive offer for the manufacture and supply of the following

Sl. No.	Description	Qty	Unit	Unit Price	Amount (Rs)
1	LT Power Distribution Panel - 1 → BPS	1	No.	64,00,000.00	64,00,000.00
2	LT Power Distribution Panel - 2 → DG Room	1	No.	76,00,000.00	76,00,000.00
				<b>Total</b>	<b>1,40,00,000.00</b>

We hope that you would find our offer in line with your requirement and we will be glad to receive your esteemed Purchase Order at the earliest

Thanking You  
Yours Faithfully  
For Sun Electro Control Systems Pvt Ltd.

(Shreeshha KS)  
Director

- Encl:  
1. Bill Of Materials  
2. Terms & Conditions

Address # A1, Soundarya Industrial Estate, Andhra Pradesh, Hyderabad 500091, India  
Ph: 080-23245116

**CHECK LIST**

DISCOUNTED Rates as above

PRICE BASIS : FOR BHIWADI Ex-work - B'lore

Approx Freight Rs.

P&F : INCL...../EXTRA.....

TAXES : 18% GST

DELIVERY : 8 weeks

PAYMENT : 30% Advance against ABG valid for 200 with 100% GST against performing 10% after commission with ABG valid for 100%

GC/WC/TC : Warranty: One year from the date of receipt of material.

VALIDITY : .....

CHECKED BY : Rajgopal

→ CRI Approved Panels enclosed.

- Cable : 2mm thick
- Terminal Plates : 3mm thick
- ACB storage: MS Angle / ISMC
- Inside side walls : 1.6mm thick
- Bus bars - Hindalco / Jindal make.

Discussed with Mr. Shreeshha and not agreed to reduce price further

Sun Electro Control Systems Pvt. Ltd.

TERMS AND CONDITIONS	
1. PRICE	Firm, Exworks, Exclusive of Packing and Forwarding, Erection/Testing and commissioning charges
2. DELIVERY	6-8 weeks from the date of receipt of your technically and commercially clear purchase order along with final approved drawings. However delivery period will be considered from the date of receipt of your final approved drawings only
3. GST FOR SUPPLY	GST for Supply @ 18% - Extra
4. GST FOR INSTALLATION	GST for installation @ 18% - (Extra - if Applicable)
5. PAYMENT	50% Advance along with Purchase Order & Balance 50% - Against Performa Invoice
6. PACKING AND FORWARDING	Extra At Actuals
7. FREIGHT & INSURANCE	Extra At Actuals
8. GUARANTEE	The equipment will be guaranteed for a period of 12 months from the date of commissioning or 18 months from the date of despatch whichever is earlier against any manufacturing or workman defects.
9. FORCE MAJEURE	No failure of comision, or delay to carryout or observe any of the stipulations or conditions of the contract shall give rise to any claim against us or be deemed a break of contract if the same shall arise from any of the following causes viz. the imposition of restrictions or onerous regulation landing of the machinery/equipments /control panel, the acts of gods, the enemies of the Indian Union and or of any other country or places from which the whole or any part of the machinery or combination of workmen, epidemics, frosts, stoppage of factories or other works, or railways or accidents, fires, flood, riots, communal disturbances, detention of aircrafts or any other vehicle by the Government in such circumstances the contract/delivery may be delayed
10. VALIDITY	This Quotation is valid for 60 days only.

For Sun Electro Control Systems Pvt Ltd.	
Shreesha KS	Bank Details :
	Beneficiary Name : Sun Electro Control Systems Pvt Ltd;
Director	Bank Name : KARNATAKA BANK
	Branch : ANCHRAHALLI
	A/C No : 95670060000901
	IFSC - Code : KAR8000956
	GST No :
	GST No : 29AAHCS1861P1ZN

Address : # A1, Soundarya Industrial Estate, Andhrhalli, Near Peenya 3rd Stage Bangalore 560 091 Ph 080-23245116





LT Power Distribution Panel - 1			1	No.
Sl. No	Description	Make	Qty	Units
<b>A EB Incomer 1 ACB - 5000A FP From T/F - 1</b>			<b>1</b>	<b>No.</b>
1	ACB 5000A FP 65KA EDO MP Based with O/L, S/C, E/F, Trip control & UV (3WA)	Siemens	1	No
2	Breaker Control Switch 16A	L & T/Salzer	1	No
3	Digital Multi Function Meter with RS 485	Schneider	1	No
4	Current Transformer 5000/5A, CL1: 15VA	AE/Kappa	6	No
5	IDMT Relay MP Based 220V AC	L&T/Procom/Reputed	1	No
6	Voltage Monitor Relay	Minilec	1	No
7	R/Y/B Indicating Lamp 220V AC LED Type	L & T/Esbee	3	No
8	Indicating Lamp 220V AC LED Type (OOT & Breaker Healthy)	L & T/Esbee	4	No
9	Auto Manual Selector Switch 6A	L & T/Salzer	1	No
10	Emergency Stop Push Button 220V AC	L & T/Esbee	1	No
11	Auxiliary Contactor 220V AC Coil with 2NO+2NC Add On Block	Siemens	2	No
12	Neutral Link	Reputed	1	No
13	MCB 5P 6A 10kA	Siemens	5	No
14	Voltage Monitor Relay (U/O voltage, U/O Frequency etc) 220V	Siemens	1	No
15	9" Cooling Fan with Filter Louver 220V	Reputed/Rexnord	1	No
16	9" Filter Louver	Reputed	1	No
17	Space Header with Thermostat + Power Socket	Reputed	1	No
18	MCB DP 6A 10kA	Siemens	1	No
<b>B DG Incomer 1 &amp; 2 ACB - 2500A From DG 1 &amp; 2</b>			<b>2</b>	<b>No.</b>
1	ACB 2500A FP 65KA EDO MP Based with O/L, S/C, E/F, Trip control & UV (3WT)	Siemens	2	No
2	Reverse Power Relay MP Based	L&T/Procom/Reputed	2	No
3	Breaker Control Switch 16A	L & T/Salzer	2	No
4	Digital Multi Function Meter with RS 485	Schneider	2	No
5	Current Transformer 2500/5A, CL1: 15VA	AE/Kappa	6	No
6	Voltage Monitor Relay	Minilec	2	No
7	R/Y/B Indicating Lamp 220V AC LED Type	L & T/Esbee	6	No
8	Indicating Lamp 220V AC LED Type (OOT & Breaker Healthy)	L & T/Esbee	8	No
9	Auto Manual Selector Switch 6A	L & T/Salzer	2	No
10	Emergency Stop Push Button 220V AC	L & T/Esbee	2	No
11	Auxiliary Contactor 220V AC Coil with 2NO+2NC Add On Block	Siemens	4	No
12	Neutral Link	Reputed	2	No
13	MCB 5P 6A 10kA	Siemens	10	No
14	9" Cooling Fan with Filter Louver 220V	Reputed/Rexnord	2	No
15	9" Filter Louver	Reputed	2	No
16	Space Header with Thermostat + Power Socket	Reputed	2	No
17	MCB DP 6A 10kA	Siemens	2	No
<b>C BusCupler 1 ACB 2500A FP EDO BC - 1</b>			<b>1</b>	<b>No.</b>
1	ACB 2500A FP 65KA EDO MP Based with O/L, S/C, E/F, Trip control & UV (3WT)	Siemens	1	No
2	Breaker Control Switch 16A	L & T/Salzer	1	No
3	R/Y/B Indicating Lamp 220V AC LED Type	L & T/Esbee	3	No
4	Indicating Lamp 220V AC LED Type (OOT & Breaker Healthy)	L & T/Esbee	3	No
5	Auto Manual Selector Switch 6A	L & T/Salzer	1	No
6	Auxiliary Contactor 220V AC Coil with 2NO+2NC Add On Block	Siemens	2	No
7	Neutral Link	Reputed	1	No
8	MCB 5P 6A 10kA	Siemens	5	No
9	9" Cooling Fan with Filter Louver 220V	Reputed/Rexnord	1	No
10	9" Filter Louver	Reputed	1	No
11	Space Header with Thermostat + Power Socket	Reputed	1	No
12	MCB DP 6A 10kA	Siemens	1	No

<b>D BusCupler 2 ACB 5000A FP EDO BC-2</b>			
1	ACB 5000A FP 65KA EDO MP Based with O/L, S/C,E/F , Trip control & UV (3WA)		1 No.
2	Breaker Control Switch 16A	Siemens	1 No
3	RYB Indicating Lamp 220V AC LED Type	L & T/Salzer	1 No
4	Indicating Lamp 220V AC LED Type (OOT & Breaker Healthy)	L & T/Esbec	3 No
5	Auto Manual Selector Switch 6A	L & T/Esbee	4 No
6	Auxiliary Contactor 220V AC Coil with 2NO+2NC Add On Block	L & T/Salzer	1 No
7	Neutral Link	Siemens	2 No
8	MCB SP 6A 10kA	Reputed	1 No
9	9" Cooling Fan with Filter Louver 220V	Siemens	5 No
10	9" Filter Louver	Reputed/Rexnord	1 No
11	Space Header with Thermostat + Power Socket	Reputed	1 No
12	MCB DP 6A 10kA	Reputed	1 No
		Siemens	1 No
<b>E General Components</b>			
1	Aluminium Busbar - 150 X 10 X 6 - Phase & 150 X 10 X 3 - Neutral		1 LS
2	Busbar Supports - FRP Type	E91E	3000 Kg
		Secspl	300 No
<b>F Outgoing Feeder - 1 ACB TPN - BBC - 1</b>			
1	ACB 1250A TP 50kA MDO MP Based with O/L, S/C,E/F & Trip control (3WT)		3 No.
2	Digital Multi Function Meter with RS 485	Siemens	3 No
3	Current Transformer 1250/5A, CL1: 15VA	Schneider	3 No
4	Indicating Lamp 220V AC LED Type (OOT & Breaker Healthy)	AE/Kappa	9 No
5	Neutral Link	L & T/Esben	12 No
6	MCB SP 6A 10kA	Reputed	3 No
7	9" Cooling Fan with Filter Louver 220V	Siemens	12 No
8	9" Filter Louver	Reputed/Rexnord	3 No
9	Space Header with Thermostat + Power Socket	Reputed	3 No
10	MCB DP 6A 10kA	Reputed	3 No
		Siemens	3 No
<b>G Outgoing Feeder - 2 ACB TPN ABC - 1 &amp; BBC - 2</b>			
1	ACB 3200A TP 50kA MDO MP Based with O/L, S/C,E/F & Trip control (3WT)		4 No.
2	ACB 2500A TP 50kA MDO MP Based with O/L, S/C,E/F & Trip control (3WT)	Siemens	1 N
3	ACB 1600A TP 50kA MDO MP Based with O/L, S/C,E/F & Trip control (3WT)	Siemens	1 No
4	ACB 1250A TP 50kA MDO MP Based with O/L, S/C,E/F & Trip control (3WT)	Siemens	1 No
5	Digital Multi Function Meter with RS 485	Siemens	1 No
6	Current Transformer 3200/5A, CL1: 15VA	Schneider	4 No
7	Current Transformer 2500/5A, CL1: 15VA	AE/Kappa	3 No
8	Current Transformer 1600/5A, CL1: 15VA	AE/Kappa	3 No
9	Current Transformer 1250/5A, CL1: 15VA	AE/Kappa	3 No
10	RYB Indicating Lamp 220V AC LED Type	AE/Kappa	3 No
11	Indicating Lamp 220V AC LED Type (OOT & Breaker Healthy)	L & T/Esbee	12 No
12	Neutral Link	L & T/Esbee	16 No
13	MCB SP 6A 10kA	Reputed	4 No
14	9" Cooling Fan with Filter Louver 220V	Siemens	16 No
15	9" Filter Louver	Reputed/Rexnord	4 No
16	Space Header with Thermostat + Power Socket	Reputed	4 No
17	MCB DP 6A 10kA	Reputed	4 No
		Siemens	4 No
<b>H Cubicle</b>			
1	Cubicle 12200 X 2400 X 1500 (in 5 Shipping Sections)		1 No.
		Secspl	3000 Kg
		<b>64,00,000.00</b>	<b>RO</b>

For Sun Electro Control Systems (P) Ltd;

(Shreesha KS)  
Director



Sl. No	Description	Make	Qty	No. Units
<b>LT Power Distribution Panel - 2</b>				
<b>A</b>	<b>EB Incomer 2 &amp; 3 ACB - 2500A FP From T/F 2 &amp; 3</b>		<b>2</b>	<b>No.</b>
1	ACB 2500A FP 65KA EDO MP Based with O/L, S/C, E/F, Trip control & UV (3WT)	Siemens	2	No
2	Breaker Control Switch 25A	L & T/Salzer	2	No
3	Digital Multi Function Meter with RS 485	Schneider	2	No
4	Current Transformer 2500/5A, CL1: 15VA	AE/Kappa	12	No
5	IDMT Relay MP Based 220V AC	L&T/Procom/Reputed	2	No
6	RYB Indicating Lamp 220V AC LED Type	L & T/Esbee	6	No
7	Indicating Lamp 220V AC LED Type (OOT & Breaker Healthy)	L & T/Esbee	8	No
8	Auto Manual Selector Switch 6A	L & T/Salzer	2	No
9	Emergency Stop Push Button 220V AC	L & T/Esbee	2	No
10	Auxiliary Contactor 220V AC Coil with 2NO+2NC Add On Block	Siemens	4	No
11	Neutral Link	Reputed	2	No
12	MCB SP 6A 10kA	Siemens	10	No
13	Voltage Monitor Relay (U/O voltage, U/O Frequency etc) 220V	Siemens	2	No
14	9" Cooling Fan with Filter Louver 220V	Reputed/Resnord	2	No
15	9" Filter Louver	Reputed	2	No
16	Space Header with Thermostat + Power Socket	Reputed	2	No
17	MCB DP 6A 10kA	Siemens	2	No
<b>B</b>	<b>DG Incomer 3 &amp; 4 ACB - 2500A From DG 3 &amp; 4</b>		<b>2</b>	<b>No.</b>
1	ACB 2500A FP 65KA EDO MP Based with O/L, S/C, E/F, Trip control & UV (3WT)	Siemens	2	No
2	Reverse Power Relay MP Based	L&T/Procom/Reputed	2	No
3	Breaker Control Switch 16A	L & T/Salzer	2	No
4	Digital Multi Function Meter with RS 485	Schneider	2	No
5	Current Transformer 2500/5A, CL1: 15VA	AE/Kappa	6	No
6	Voltage Monitor Relay	Minilec	2	No
7	RYB Indicating Lamp 220V AC LED Type	L & T/Esbee	6	No
8	Indicating Lamp 220V AC LED Type (OOT & Breaker Healthy)	L & T/Esbee	8	No
9	Auto Manual Selector Switch 6A	L & T/Salzer	2	No
10	Emergency Stop Push Button 220V AC	L & T/Esbee	2	No
11	Auxiliary Contactor 220V AC Coil with 2NO+2NC Add On Block	Siemens	4	No
12	Neutral Link	Reputed	2	No
13	MCB SP 6A 10kA	Siemens	10	No
14	9" Cooling Fan with Filter Louver 220V	Reputed/Resnord	2	No
15	9" Filter Louver	Reputed	2	No
16	Space Header with Thermostat + Power Socket	Reputed	2	No
17	MCB DP 6A 10kA	Siemens	2	No
<b>C</b>	<b>BusCupler 3 ACB 2500A FP EDO BC - 3</b>		<b>2</b>	<b>No.</b>
1	ACB 2500A FP 65KA EDO MP Based with O/L, S/C, E/F, Trip control & UV (3WT)	Siemens	2	No
2	Breaker Control Switch 16A	L & T/Salzer	2	No
3	RYB Indicating Lamp 220V AC LED Type	L & T/Esbee	6	No
4	Indicating Lamp 220V AC LED Type (OOT & Breaker Healthy)	L & T/Esbee	8	No
5	Auto Manual Selector Switch 6A	L & T/Salzer	2	No
6	Auxiliary Contactor 220V AC Coil with 2NO+2NC Add On Block	Siemens	4	No
7	Neutral Link	Reputed	2	No
8	MCB SP 6A 10kA	Siemens	10	No
9	9" Cooling Fan with Filter Louver 220V	Reputed/Resnord	2	No
10	9" Filter Louver	Reputed	2	No
11	Space Header with Thermostat + Power Socket	Reputed	2	No
12	MCB DP 6A 10kA	Siemens	2	No
<b>D</b>	<b>General Components</b>		<b>1</b>	<b>15</b>
1	Aluminium Busbar - 150 X 10 X 6 - Phase R 150 X 10 X 3 - Neutral	Alu	4000	Kg
2	Busbar Supports - FRP Type	Steel	400	No

<b>E</b>	<b>Outgoing Feeder - 1 ACB TPN ABC - 2 &amp; BBC - 3</b>			
1	ACB 2000A 4P 65KA EDO MP Based with O/L, S/C, E/F & Trip control (3WT)		7	No.
2	ACB 1600A TP 50kA MDO MP Based with O/L, S/C, E/F & Trip control (3WT)	Siemens	1	No
3	ACB 1250A TP 50kA MDO MP Based with O/L, S/C, E/F & Trip control (3WT)	Siemens	2	No
4	ACB 800A TP 50kA MDO MP Based with O/L, S/C, E/F & Trip control (3WT)	Siemens	3	No
5	Digital Multi Function Meter with RS 485	Siemens	1	No
6	Current Transformer 2000/5A, CL1: 15VA	Schneider	7	No
7	Current Transformer 1600/5A, CL1: 15VA	AE/Kappa	3	No
8	Current Transformer 1250/5A, CL1: 15VA	AE/Kappa	6	No
9	Current Transformer 800/5A, CL1: 15VA	AE/Kappa	9	No
10	RYB Indicating Lamp 220V AC LED Type	AE/Kappa	3	No
11	Indicating Lamp 220V AC LED Type (OOT & Breaker Healthy)	L & T/Esbee	21	No
12	Neutral Link	L & T/Esbee	28	No
13	MCB SP 6A 10kA	Reputed	7	No
14	9" Cooling Fan with Filter Louver 220V	Siemens	28	No
15	9" Filter Louver	Reputed/Rexnord	7	No
16	Space Header with Thermostat + Power Socket	Reputed	7	No
17	MCB DP 6A 10kA	Reputed	7	No
		Siemens	7	No
<b>F</b>	<b>Outgoing Feeder - 2 ACB TPN ABC - 3 &amp; BBC - 4</b>			
1	ACB 2500A FP 65KA EDO MP Based with O/L, S/C, E/F & Trip control (3WT)		8	No.
2	ACB 2000A 4P 65KA EDO MP Based with O/L, S/C, E/F & Trip control (3WT)	Siemens	1	No
3	ACB 800A TP 50kA MDO MP Based with O/L, S/C, E/F & Trip control (3WT)	Siemens	2	No
4	Digital Multi Function Meter with RS 485	Siemens	5	No
5	Current Transformer 2500/5A, CL1: 15VA	Schneider	8	No
6	Current Transformer 2000/5A, CL1: 15VA	AE/Kappa	3	No
7	Current Transformer 800/5A, CL1: 15VA	AE/Kappa	6	No
8	RYB Indicating Lamp 220V AC LED Type	AE/Kappa	15	No
9	Indicating Lamp 220V AC LED Type (OOT & Breaker Healthy)	L & T/Esbee	24	No
10	Neutral Link	L & T/Esbee	32	No
11	MCB SP 6A 10kA	Reputed	8	No
12	9" Cooling Fan with Filter Louver 220V	Siemens	32	No
13	9" Filter Louver	Reputed/Rexnord	8	No
14	Space Header with Thermostat + Power Socket	Reputed	8	No
15	MCB DP 6A 10kA	Reputed	8	No
		Siemens	8	No
<b>G</b>	<b>Cubicle</b>			
1	Cubicle 19600 X 2400 X 1500 (in 10 Shipping Sections)		1	No.
		Secopl	4700	Kg
			<b>76,00,000.00</b>	<b>RO</b>

For Sun Electro Control Systems (P) Ltd;

(Shreesh K S)  
Director



# GEMTECH POWER CONTROL PVT. LIMITED

(AN ISO 9001 CERTIFIED COMPANY)

ELECTRICAL MANUFACTURERS OF : ALL KINDS OF ELECTRIC PANELS (PCC, MCC, APFC, AMF, PDB AC DRIVE, PLC, DG SYNCHRONIZATION), BUS DUCT, RISING MAINS, CABLE TRAYS AND RACEWAYS

→ 2021-22  
→ Turnover - 36 Cr  
→ Industrial  
→ Ralliy will  
→ Prompt End

ANNEXURE - 'A'

M/s Jindal Aluminium Power Distribution Panel		R01	01-12-2022
S.No.	DESCRIPTION OF ITEM	QTY.	Rate
1	DG Room Main LT Panel (D1221103185)	1	68,20,015.00
	BP5 Bus LT Panel (B920001459)	1	63,80,531.00
Total Amount			1,32,00,546.00

Final Rate  
62,50,000/-  
58,50,000/-  
1,21,00,000/-

Renegotiated  
→ DG Panel → Rs. 57,00,000/-  
→ BP 5 → Rs. 18,00,000/-  
Total Rs. 75,00,000/-

## ANNEXURE - 'B'

### GENERAL TERMS & CONDITIONS:

- 25% advance against ABG valid for 30 months
- 65% advance with confirmation of order against performing fix with all Taxes against Performa invoice before dispatch
- 10% against commissioning subject to submission of PB and for on line
- 2. Completion Period : Valid - 10 Weeks after Drawing Approval **8 weeks**
- 3. GST : GST Extra @ 18%
- 4. GST No./HSN Code : GST No. 06AAECG6141K1ZL / HSN Code 85371000
- 5. Freight & Insurance : ~~Exclusive~~ **Inclusive - FOR-5% BWP.**
- 6. Warranty : One year against any manufacturing defect from date of Supply
- 7. Installation : Installation & Commissioning of above panel is ~~not in our scope~~ **Included.**
- 8. Scope of work : Scope of work is Design, Manufacture, Supply.
- 9. Validity : Our offer Valid for 30 Days
- 10. Bank details as below:-

Third Party Inspection: Rs. 17,000/-

Company Name:	Gemtech Power Control Pvt. Ltd.
Bank:	ICICI Bank
Account No.:	102505002464
IFSC Code:	ICIC0001025
Branch Name:	NIT-1, Faridabad

F/MKT/02 Issue No.1, Page 2 of 2

Office & Works Address: Plot No. 11, Gali No. 8 (West), Sarurpur Industrial Area, Sohna Road, Faridabad-121004 (Haryana) India  
 Phone: +91-129-2230296, Mobile: +91-9811609370, +91-9718383731  
 Email: gemtechpowercontrol@gmail.com, design@gemtechpowercontrol.com  
 Website: www.gemtechpowercontrol.com

Discussed with Mr. Gupta and above is done

→ Outer Body (Circular - 2mm)  
→ Internal partitions - 1.6mm  
→ Breast mounting - 30mm  
→ Gland Plates - 30mm



**GEMTECH POWER CONTROL PVT. LIMITED**  
(AN ISO 9001 CERTIFIED COMPANY)

ELECTRICAL MANUFACTURERS OF : ALL KINDS OF ELECTRIC PANELS (PCC, MCC, APFC, AMF, PDB AC DRIVE, PLC, DG SYNCHRONIZATION), BUS DUCT, RISING MAINS, CABLE TRAYS AND RACEWAYS

**Ref. No. GEM/JA/2022-23/YK/A-841R01**

**Date: 01-12-2022**

M/S. Jindal Aluminium Ltd.  
Bhiwadi division,  
SP-2/333, INDUSTRIAL AREA,  
BHIWADI - 301019,  
ALWAR DIST,( RAJASTHAN )

**Kindly Attn. Mr. Rajgopal. C. Sarda. ji (Deputy. Manager – Purchase) (M: +91 9611-195-368)**

**SUBJECT: Our Offer for Revised Offer For LT POWER DISTRIBUTION PANELS.**

Dear Sir,

Based on your requirements we are pleased to submit our proposal for electric Panels manufacture / supply: -

- |   |              |   |                            |
|---|--------------|---|----------------------------|
| 1 | Annexure – A | : | Price details              |
| 2 | Annexure – B | : | General terms & Conditions |
| 3 | Annexure – C | : | BOM of Panel               |

Hope you will find our offer in line with your requirement & oblige with your valuable order.

Thanking you,

Yours truly,

For GEMTECH POWER CONTROL PVT. LTD.

SD/-

(M. K. GUPTA)

F/MKT/02, Issue No.1, Page 1 of 2

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**Office & Works Address:** Plot No. 11, Gali No. 8 (West), Sarurpur Industrial Area,  
Sohna Road, Faridabad-121004 (Haryana) India

**Phone:** +91-129-2230296, Mobile: +91-9811609370, +91-9718383731

**Email:** gemtechpowercontrol@gmail.com, design@gemtechpowercontrol.com

**Website:** www.gemtechpowercontrol.com



1	DG Room Main LT Panel	ANNEXURE	01/12/2022
S.No.	Description OF Items	Qty.	Make
<b>A</b>	<b>I/C -2500A 4P EDO ACB Feeder From T/F 1&amp;2 (With Cable Connection Provision)</b>	<b>2</b>	
1	4P 2500A 65kA EDO ACB -with Microprocessor based Release With OL,S/C & E/F Protection With Current Metering +Trip Micro Switch	2	Siemens-3WT
2	Under Voltage Release -220V AC	2	Siemens-3WT
3	Breaker Control Switch (T-N-C)-25A	2	Salzer
4	Digital Multifunction Meter Class 1.0 With RS485 Port (6400 NG)	2	Schneider/Neptune
5	Metering Current Transformer -2500/5A 15VA Class 1.0- For Metering	6	AE/Procom/Saviour
6	Metering Current Transformer -2500/5A 15VA Class 1.0 For-APFC Relay	6	AE/Procom/Saviour
7	Micro Processor Based -IDMT Relay	2	L&T/Procom/Reputed
8	Protection Current Transformer -2500/5A 15VA Class SP10-For IDMT Relay	6	AE/Procom/Saviour
9	CT Shorting Link	6	Connectwell
10	Phase Indication Light LED R/Y/B	2	Esbee
11	On/Off/Trip/Breaker Healthy Indication Lamp	8	Esbee
12	Selector Switch (Auto,Manual)	2	Salzer
13	Emergency Stop -Push Button	2	Esbee
14	Auxiliary Contactor 2NO+2 NC Contacts	4	Siemens
15	Isolating Neutral Link 32A	2	Pecox
17	SP 6A 10kA MCB	8	L&T/Siemens
16	Voltage Monitoring Relay (Under/Over Voltage, Under/Over Frequency, Single Phase, Phase Failure & Phase Failure Protection)	2	Siemens
<b>B</b>	<b>I/C -2500A 4P EDO ACB Feeder From DG 1&amp;2 (With Cable Connection Provision)</b>	<b>2</b>	
1	4P 2500A 65kA EDO ACB -with Microprocessor based Release With OL,S/C & E/F Protection With Current Metering +Trip Micro Switch	2	Siemens-3WT
2	Under Voltage Release-220V AC	2	Siemens-3WT
3	Breaker Control Switch (T-N-C)-25A	2	Salzer
4	Digital Multifunction Meter Class 1.0 With RS485 Port (6400 NG)	2	Schneider/Neptune
5	Metering Current Transformer -2500/5A 15VA Class 1.0	6	AE/Procom/Saviour
6	CT Shorting Link	6	Connectwell
7	Phase Indication Light LED R/Y/B	2	Esbee
8	On/Off/Trip/Breaker Healthy Indication Lamp	8	Esbee
9	Selector Switch (Auto,Manual)	2	Salzer
10	Emergency Stop -Push Button	2	Esbee
11	Auxiliary Contactor 2NO+2 NC Contacts	4	Siemens
12	Isolating Neutral Link 32A	2	Pecox
13	SP 6A 10kA MCB	8	L&T/Siemens
14	Reverse Power Relay microprocessor based	2	L&T/Procom/Reputed
15	Protection Current Transformer -2500/5A 15VA Class SP10-For Reverse Power Relay	2	AE/Procom/Saviour
<b>C</b>	<b>Bus Coupler-2500A 4P EDO ACB Feeder 1&amp;2</b>	<b>2</b>	
1	4P 2500A 65kA EDO ACB -with Microprocessor based Release With OL,S/C & E/F Protection With Current Metering +Trip Micro Switch	2	Siemens-3WT
2	Under Voltage Release-220V AC	2	Siemens-3WT
3	Breaker Control Switch (T-N-C)-25A	2	Salzer
4	On/Off/Trip/Breaker Healthy Indication Lamp	8	Esbee
5	Selector Switch (Auto,Manual)	2	Salzer
6	Auxiliary Contactor 2NO+2 NC Contacts	4	Siemens
7	Isolating Neutral Link 32A	2	Pecox
8	SP 6A 10kA MCB	4	L&T/Siemens
<b>D</b>	<b>Outgoings</b>		
<b>D.1</b>	<b>Outgoing-1 800A-3P MDO- ACB Feeder</b>	<b>6</b>	
1	3P 800A 50kA MDO ACB -with Microprocessor based Release With OL,S/C & E/F Protection With Current Metering +Trip Micro Switch	6	Siemens-3WT

2	Digital Multifunction Meter Class 1.0 With RS485 Port (6400 NG)	6	Schneider/Neptune
3	Metering Current Transformer -800/5A 15VA Class 1.0	18	AE/Procom/Saviour
4	On/Off/Trip/Breaker Healthy Indication Lamp	24	Esbee
5	Isolating Neutral Link 32A	6	Pecox
6	SP 6A 10kA MCB	24	L&T/Siemens
<b>D.2 Outgoing-2 1250A- 3P MDO-ACB Feeder</b>			
1	3P 1250A 50kA MDO ACB -with Microprocessor based Release With O/L,S/C & E/F Protection With Current Metering + Trip Micro Switch	3	Siemens-3WT
2	Digital Multifunction Meter Class 1.0 With RS485 Port (6400 NG)	3	Schneider/Neptune
3	Metering Current Transformer -1250/5A 15VA Class 1.0	9	AE/Procom/Saviour
4	On/Off/Trip/Breaker Healthy Indication Lamp	12	Esbee
5	Isolating Neutral Link 32A	3	Pecox
6	SP 6A 10kA MCB	12	L&T/Siemens
<b>D.3 Outgoing-3 1600A 3P MDO-ACB Feeder</b>			
1	3P 1600A 50kA MDO ACB -with Microprocessor based Release With O/L,S/C & E/F Protection With Current Metering + Trip Micro Switch	2	Siemens-3WT
2	Digital Multifunction Meter Class 1.0 With RS485 Port (6400 NG)	2	Schneider/Neptune
3	Metering Current Transformer -1500/5A 15VA Class 1.0	6	AE/Procom/Saviour
4	On/Off/Trip/Breaker Healthy Indication Lamp	8	Esbee
5	Isolating Neutral Link 32A	2	Pecox
6	SP 6A 10kA MCB	8	L&T/Siemens
<b>D.3 Outgoing-4 2000A 3P MDO-ACB Feeder</b>			
1	3P 2000A 50kA MDO ACB -with Microprocessor based Release With O/L,S/C & E/F Protection With Current Metering + Trip Micro Switch	3	Siemens-3WT
2	Digital Multifunction Meter Class 1.0 With RS485 Port (6400 NG)	3	Schneider/Neptune
3	Metering Current Transformer -2000/5A 15VA Class 1.0	9	AE/Procom/Saviour
4	On/Off/Trip/Breaker Healthy Indication Lamp	12	Esbee
5	Isolating Neutral Link 32A	3	Pecox
6	SP 6A 10kA MCB	12	L&T/Siemens
<b>D.5 Outgoing-5 2500A 3P MDO-ACB Feeder</b>			
1	3P 2500A 50kA MDO ACB -with Microprocessor based Release With O/L,S/C & E/F Protection With Current Metering + Trip Micro Switch	1	Siemens-3WT
2	Digital Multifunction Meter Class 1.0 With RS485 Port (6400 NG)	1	Schneider/Neptune
3	Metering Current Transformer -2500/5A 15VA Class 1.0	3	AE/Procom/Saviour
4	On/Off/Trip/Breaker Healthy Indication Lamp	4	Esbee
5	Isolating Neutral Link 32A	1	Pecox
6	SP 6A 10kA MCB	4	L&T/Siemens
<b>E Cubical Panel</b>			
1	Cubical panel box made out from 16/14 SWG CRCA sheet steel duly powder coated Siemens Grey Colour. Approx. size of panel 1510mm (W) X 2200mm (H) X 1600mm (D). Floor Mounted. Front Operated-Indoor Type.	1	Gemtech
<b>F Bus Bar</b>			
1	Electrolytic Grade Aluminium Busbar with PVC Heat Shrinkable Colour Coated Sleeve Suitable for Incoming & Outgoing Feeders (Main Busbar 4000A TPN Aluminium-150X6X4)	1	Hindalco
<b>G Wiring</b>			
1	Wiring & Fixing material Pvc Insulated Single Core Industrial Flexible Copper Wire.	1	Polycab/KEI
<b>H Misc. Items</b>			
1	8" Cooling Fan with Filter Louver	21	Reznord
2	8" Filter Louver	42	Pecox
3	SP 6A 10kA MCB	21	L&T/Siemens
4	SP 6A 10kA MCB	21	L&T/Siemens
5	6/16A Switch & Socket	21	Anchor/Reputed
6	LED Light with Door Switch	21	Havella
7	Space Heater with Thermostat	21	Hotwell/Eicon
8	Hardware & Legends	1	RKS/Naveen

S.No.	Description OF Items	Qty.	Make
1	<b>BP5 Press LT Panel</b>	<b>ANNEXU</b>	<b>01/12/2022</b>
<b>A</b>	<b>I/C -5000A 4P EDO ACB Feeder From T/F (With Cable Connection Provision)</b>	<b>1</b>	
1	4P 5000A 65kA EDO ACB -with Microprocessor based Release With OL,SC & E/F Protection With Current Metering +Trip Micro Switch	1	Siemens-3WL
2	Copper Flexibles for ACB	1	-
3	Under Voltage Release -380-415V AC	1	Siemens-3WL
4	Breaker Control Switch (T-N-C)-25A	1	Salzer
5	Digital Multifunction Meter Class 1.0 With RS485 Port (6400 NG)	1	Schneider/Neptune
6	Metering Current Transformer -5000/5A 15VA Class 1.0-For Metering	3	AE/Procom/Saviour
7	Metering Current Transformer -5000/5A 15VA Class 1.0 For-APFC Relay	3	AE/Procom/Saviour
8	Micro Processor Based -IDMT Relay	1	L&T/Procom/Reputed
9	Protection Current Transformer -5000/5A 15VA Class 5P10-For IDMT Relay	3	AE/Procom/Saviour
10	Voltage Monitoring Relay (SI UVR 5)	1	Minilec
11	CT Shorting Link	3	Connectwell
12	Phase Indication Light LED R/Y/B	1	Esbee
13	On/Off/Trip/Breaker Healthy Indication Lamp	4	Esbee
14	Selector Switch (Auto,Manual)	1	Salzer
15	Emergency Stop -Push Button	1	Esbee
16	Auxiliary Contactor 2NO+2 NC Contacts	2	Siemens
17	Isolating Neutral Link 32A	1	Pecox
18	Voltage Monitoring Relay (Under/Over Voltage, Under/Over Frequency, Single Phase, Phase Failure & Phase Failure Protection)	1	Siemens
19	SP 6A 10kA MCB	4	L&T/Siemens
<b>B</b>	<b>I/C -2500A 4P EDO ACB Feeder From DG 1&amp;2 (With Cable Connection Provision)</b>	<b>2</b>	
1	4P 2500A 65kA EDO ACB -with Microprocessor based Release With OL,SC & E/F Protection With Current Metering +Trip Micro Switch	2	Siemens-3WT
2	Under Voltage Release-220V AC	2	Siemens-3WT
3	Breaker Control Switch (T-N-C)-25A	2	Salzer
4	Reverse Power Relay microprocessor based	2	L&T/Procom/Reputed
5	Protection Current Transformer -2500/5A 15VA Class 5P10-For Reverse Power Relay	2	AE/Procom/Saviour
6	Digital Multifunction Meter Class 1.0 With RS485 Port (6400 NG)	2	Schneider/Neptune
7	Metering Current Transformer -2500/5A 15VA Class 1.0	6	AE/Procom/Saviour
8	Voltage Monitoring Relay (SI UVR 5)	2	Minilec
9	CT Shorting Link	6	Connectwell
10	Phase Indication Light LED R/Y/B	2	Esbee
11	On/Off/Trip/Breaker Healthy Indication Lamp	8	Esbee
12	Selector Switch (Auto,Manual)	2	Salzer
13	Emergency Stop -Push Button	2	Esbee
14	Auxiliary Contactor 2NO+2 NC Contacts	4	Siemens
15	Isolating Neutral Link 32A	2	Pecox
16	SP 6A 10kA MCB	8	L&T/Siemens
<b>C</b>	<b>Bus Coupler-2500A 4P EDO ACB Feeder</b>	<b>1</b>	
1	4P 2500A 65kA EDO ACB -with Microprocessor based Release With OL,SC & E/F Protection With Current Metering +Trip Micro Switch	1	Siemens-3WT
2	Under Voltage Release-220V AC	1	Siemens-3WT
3	Breaker Control Switch (T-N-C)-25A	1	Salzer
10	Phase Indication Light LED R/Y/B	1	Esbee
4	On/Off/Trip/Breaker Healthy Indication Lamp	4	Esbee
5	Selector Switch (Auto,Manual)	1	Salzer
6	Auxiliary Contactor 2NO+2 NC Contacts	4	Siemens
7	Isolating Neutral Link 32A	1	Pecox
8	SP 6A 10kA MCB	2	L&T/Siemens
<b>D</b>	<b>Bus Coupler-5000A 4P EDO ACB Feeder</b>	<b>1</b>	
1	4P 5000A 65kA EDO ACB -with Microprocessor based Release With OL,SC & E/F Protection With Current Metering +Trip Micro Switch	1	Siemens-3WL
2	Copper Flexibles for ACB	1	-
3	Under Voltage Release -380-415V AC	1	Siemens-3WL
4	Breaker Control Switch (T-N-C)-25A	1	Salzer
5	Phase Indication Light LED R/Y/B	1	Esbee
6	On/Off/Trip/Breaker Healthy Indication Lamp	4	Esbee
7	Selector Switch (Auto,Manual)	1	Salzer
8	Auxiliary Contactor 2NO+2 NC Contacts	4	Siemens
9	Isolating Neutral Link 32A	1	Pecox
10	SP 6A 10kA MCB	2	L&T/Siemens
<b>E</b>	<b>Bus Coupler-2500A 4P EDO ACB Feeder -Space Provision Only</b>	<b>1</b>	
1	Space Provision for -4P 2500A 65kA EDO ACB	1	Dummy Space Only

<b>F</b>	<b>Outgoings</b>		
<b>F.1</b>	<b>Outgoing-1 1250A- 3P MDO-ACB Feeder</b>	<b>4</b>	
1	3P 1250A 50kA MDO ACB -with Microprocessor based Release With O/L,S/C & E/F Protection With Current Metering + Trip Micro Switch	4	Siemens-3WT
2	Digital Multifunction Meter Class 1.0 With RS485 Port (6400 NG)	4	Schneider/Neptune
3	Metering Current Transformer -1250/5A 15VA Class 1.0	12	AE/Procom/Saviour
4	Phase Indication Light LED R/Y/B	4	Esbee
5	On/Off/Trip/Breaker Health Indication Lamp	16	Esbee
6	Isolating Neutral Link 32A	4	Pecox
7	SP 6A 10kA MCB	16	L&T/Siemens
<b>F.2</b>	<b>Outgoing-2 1600A 3P MDO-ACB Feeder</b>	<b>1</b>	
1	3P 1600A 50kA MDO ACB -with Microprocessor based Release With O/L,S/C & E/F Protection With Current Metering + Trip Micro Switch	1	Siemens-3WT
2	Digital Multifunction Meter Class 1.0 With RS485 Port (6400 NG)	1	Schneider/Neptune
3	Metering Current Transformer -1500/5A 15VA Class 1.0	3	AE/Procom/Saviour
4	Phase Indication Light LED R/Y/B	1	Esbee
5	On/Off/Trip/Breaker Health Indication Lamp	4	Esbee
6	Isolating Neutral Link 32A	1	Pecox
7	SP 6A 10kA MCB	4	L&T/Siemens
<b>F.3</b>	<b>Outgoing-3 2500A 3P MDO-ACB Feeder</b>	<b>1</b>	
1	3P 2500A 50kA MDO ACB -with Microprocessor based Release With O/L,S/C & E/F Protection With Current Metering + Trip Micro Switch	1	Siemens-3WT
2	Digital Multifunction Meter Class 1.0 With RS485 Port (6400 NG)	1	Schneider/Neptune
3	Metering Current Transformer -2500/5A 15VA Class 1.0	3	AE/Procom/Saviour
4	Phase Indication Light LED R/Y/B	1	Esbee
4	On/Off/Trip/Breaker Health Indication Lamp	4	Esbee
5	Isolating Neutral Link 32A	1	Pecox
6	SP 6A 10kA MCB	4	L&T/Siemens
<b>F.4</b>	<b>Outgoing-4 3200A 3P MDO-ACB Feeder</b>	<b>1</b>	
1	3P 3200A 50kA MDO ACB -with Microprocessor based Release With O/L,S/C & E/F Protection With Current Metering + Trip Micro Switch	1	Siemens-3WT
2	Digital Multifunction Meter Class 1.0 With RS485 Port (6400 NG)	1	Schneider/Neptune
3	Metering Current Transformer -3200/5A 15VA Class 1.0	3	AE/Procom/Saviour
4	Phase Indication Light LED R/Y/B	1	Esbee
4	On/Off/Trip/Breaker Health Indication Lamp	4	Esbee
5	Isolating Neutral Link 32A	1	Pecox
6	SP 6A 10kA MCB	4	L&T/Siemens
<b>E</b>	<b>Cubical Panel</b>		
1	Cubical panel box made out from 16/14 SWG CRCA sheet steel duly powder coated Siemens Grey Colour. Appox. size of panel 1050mm (W) X 220mm (H) X 1600mm (D). Floor Mounted Front Operated-Indoor Type.	1	Gemtech
<b>F</b>	<b>Bus Bar</b>		
1	Electrolytic Grade Aluminium Busbar with PVC Heat Shrinkable Colour Coated Sleeve Suitable for Incoming & Outgoing Feeders (Main Busbar 7200A TPN Aluminium-150X6X8)	1	Hindalco
<b>G</b>	<b>Wiring</b>		
1	Wiring & Fixing material Pvc Insulated Single Core Industrial Flexible Copper Wire.	1	Polycab/KEI
<b>H</b>	<b>Misc. Items</b>		
1	8" Cooling Fan with Filter Louver	14	Resnord
2	8" Filter Louver	42	Pecox
3	SP 6A 10kA MCB	14	L&T/Siemens
4	SP 6A 10kA MCB	14	L&T/Siemens
5	6/16A Switch & Socket	14	Anchor/Reputed
6	LED Light with Door Switch	14	Havells
7	Space Heater with Thermostat	14	Hotwell/Elcon