



REF NO: **DVEPL/20-21/6414/0** 

Date – 10-September-2024

TO,

**MES** 

Kind Attn.: XXX Mobile No.: XXX Email ID: XXX

Sub: QUOTATION FOR LT PANEL CEJZ\_JRC-\_2023-24 (2023\_MES\_604157\_1)

Dear Sir,

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

ANNEXURE - I: FABRICATION DETAILS & TECHNICAL SPECIFICATIONS

**ANNEXURE - II: BILL OF MATERIAL** 

ANNEXURE- III: PRICE SCHEDULE

**ANNEXURE- IV: TERMS AND CONDITIONS** 

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

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

Thanking you,

Yours faithfully,

For D.V. ELECTROMATIC PVT. LTD.

**Authorized Signatory** 





#### <u>ANNEXURE – I</u>

### **TECHNICAL SPECIFICATIONS**

1. Material of Sheet: CRCA sheet

**2. Sheet thickness:** AS PER TENDER thickness for All Panels.

**3. Material treatment:** Thorough chemical treatment with 7 tank process

method for degreasing, derusting and

phosphating powder coating shall not be less than

40 microns.

SIEMENS GREY (RAL-7032) shade powder

coating paint will be applied.

**4. Bus bar:** The bus bars will be insulated with PVC heat

shrinkable sleeves and supported SMC/DMC at Suitable intervals so as to withstand dynamic stresses developed in the event of

short circuit of 50ka (RMS) and will

withstand following standard tests:-

(a) Continuity tests

(b) No load operation test

(c) H.T Test (2kV) for one minute.

(d) Insulation resistance test.

**6. Fault Level:** 35 KA

**7. Bus Bar Size:** As per BOQ

**8. Current Density:** 0.8A/Sq. mm. Current Density.

**9. Bus bar insulation** Heat Shrinkable Sleeves





### **ANNEXURE - II**

### **BILL OF MATERIALS**

1	SR NO 7.32		BOARD QTY		
Α	INCOMER MCCB 125A		1	FEEDER QTY	1
SR. NO.	BOQDESCRIPTION	MAKE	CATALOG NUMBER	QTY	TOTAL QTY
1	125A 4P 25kA MCCB (with Spreaders), TA Release (Fixed Thermal & Fixed Magnetic), Type: TAB Basix 1	HPL	TABBASIX1125C4P	1	1
2	Spreader Terminals (4 Pole - Set of 8 Nos.) for 125-160A TAB1 MCCB	HPL	TAB1160ST4P	1	1
В	METERING	MAKE	1	FEEDER QTY	1
1	Ammeter with Inbuilt selector switch, 3Ph, Acc. CL: 1, Aux Supply: 80-300V AC, Size: 96X96	L&T	WL1310100000	1	1
2	Voltmeter with Inbuilt selector switch, 3Ph, Acc. CL: 1, Aux Supply: 80-300V AC, Size: 96X96	L&T	WL1320100000	1	1
3	Red Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	ESBEE	EPLR240A	1	1
4	Yellow Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	ESBEE	EPLY240A	1	1
5	Blue Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	ESBEE	EPLB240A	1	1
6	32A Neutral Link, Color: Black/Khaki	FTC	FNL 32	1	1
7	125/5A 1VA Acc. Cl: 1, ABS Insulated Bar Primary Rectangular Current Transformer, ID: 30x10mm	NIPPEN	NE 301	3	3
8	6 Sq.mm Disconnecting Terminal (Std. Color), Type: KUTSD 6	ELMEX	KUTSD 6	3	3
9	6A 1P 10kA C-Curve Techno MCB	HPL	NTSPC06	3	3
C	CHANGE OVER 100A	MAKE	1	FEEDER QTY	1
1	100A 4P Front Operated On Load Changeover Switch, Open Execution	HPL	CDC01004POAV	1	1
D	STAR DELTA 45HP	MAKE	1	FEEDER QTY	1
	100A 3P 25kA MCCB (with Spreaders), TA Release (Fixed Thermal & Fixed				
1	Magnetic), Type : TAB Basix 1	HPL	TABBASIX1100C3P	1	1
2	Spreader Terminals (4 Pole - Set of 8 Nos.) for 20-100A TAB1 MCCB	HPL	TAB1100ST4P	1	1
	AC3: 80A AC1: 110A 3P Power Contactor, Coil Voltage: 220V AC, Aux. contact:				
3	1NO+1NC, Type: SDE-80	HPL	SDE8011A4	3	3
4	63-80A Thermal Overload Relay, Aux. Contact: 1NO + 1NC, Contactor Type: SDE Contactor, Type: SDER93	HPL	SDER93/80.0	1	1
5	Star Delta Timer, Time Setting: 3sec - 120sec, Voltage: 240V AC - 415V AC, Contact: 1CO (Star) + 1CO (Delta)	GIC	14SDT1S	1	1
	SPP + Selectable Under Voltage+Selectable Over Voltage Relay ON Delay 0 - 15Sec,Phase 10% fixed Asymmetry, Voltage: 240 VAC,2 C/O, 3Ph/1Ph 4W,				
6	Type: SM500	GIC	MG73BH	1	1
7	Red Flush Head Push Button 22.5 mm	ESBEE	EMNRFD1	1	1
8	Green Flush Head Push Button 22.5 mm	ESBEE	EMNGFD1	1	1
9	1NO Contact Block	ESBEE	EC1C	1	1
10	1NC Contact Block	ESBEE	EC2C	1	1
11	Red Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	ESBEE	EPLR240A	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
1.1	6A 1P 2Way Local - Remote/ Auto-Manual Switch with Center OFF, 60 Deg. Operation	SALZER	61025SAB13	1	1
14					
E	OUTGOING MCCB 100A	MAKE	1	FEEDER QTY	1

#### MANUFACTURERS OF LT CONTROL PANELS





i		1	AN ISO 9001:2008 CERTIF	ı	
2	Spreader Terminals (4 Pole - Set of 8 Nos.) for 20-100A TAB1 MCCB	HPL	TAB1100ST4P	1	1
F	OUTGOING MCB	MAKE	1	FEEDER	2
				QTY	
1	32A 1PN 10kA C-Curve Techno MCB	HPL	NTSPNC32	1	2
S.N.	FABRICATION DETAILS	MAKE	TYPE/MATERIAL	QTY	UNIT
1	FABRICATION: 3MM CRCA Sheet PRE TREATMENT: 7 TANK PROCESS PAINTING: POWDER COATED WITH SIEMENS GREY SHED (RAL 7032) TYPE: INDOOR TYPE, FREE FLOOR RESTING, FIX TYPE, SINGLE FRONT, COMPARTMENTLISED DESIGN, SINGLE DOOR CABLE ENTRY: TOP/BOTTOM (DETACHABLE GLAND PLATE UNDRILLED)	DVEPL	MS/CRCA	1	JOB
2	BASE FRAME: 60X60X6MM & 600MM	DVEPL	ISMC	1	JOB
3	BUSBAR: PH: 1x20x10, N: 1X20X10  Material: Electrolytic grade Aluminum  Current Density: 1 Amp/Sq. mm  Insulation: Color coded heat shrinkable Sleeves  WIRING HARNESS (METERING STARTERS)	DVEPL	Aluminum CU- WIRE	1	JOB
5					
6	HARDWARE & ACCESSORIES (LOCKS, GASKET, NUT BOLT ETC)	DVEPL	NUT, BOLTS, LUGS ETC.	1	LOT
6	LABOUR	DVEPL		1	JOB
2	SR NO 8.03		BOARD QTY		
Α	INCOMER MCCB 400A		1	FEEDER QTY	1
SR. NO.	BOQDESCRIPTION	MAKE	CATALOG NUMBER	QTY	TOTAL QTY
	400A 4P 36kA MCCB (with Spreaders), TM Release (Fixed Thermal & Fixed				
1	Magnetic), Type : TAB Basix 3	HPL	TABBASIX3400N4P	1	1
2	Spreader Terminals (4 Pole - Set of 8 Nos.) for 400A TAB3 MCCB	HPL	TAB3400ST4P	1	1
В	METERING	MAKE	1	FEEDER QTY	1
1 2	Multifunction Meter (LED display), 3Ph, Parameters: V, A, F, PF, kW, kVA, kVAR, kWh, kVAh, kVARh, Runhours, On hours, Phase angle, Interrupts, THD, Events (High-Low), Neutral Current, CL: 1, Aux Sup: 90-300V AC/DC, Size: 96X96  Red Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	L&T ESBEE	WL4410100000 EPLR240A	1	1
3	Yellow Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	ESBEE	EPLY240A	1	1
			-		
4	Blue Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	ESBEE	EPLB240A	1	1
5	32A Neutral Link, Color: Black/Khaki	FTC	FNL 32	1	1
6	400/5A 10VA Acc. Cl: 1, ABS Insulated Bar Primary Ring Type Current Transformer, ID: 60mm	NIPPEN	NA	3	3
7	6 Sq.mm Disconnecting Terminal (Std. Color), Type: KUTSD 6	ELMEX	KUTSD 6	3	3
8	6A 1P 10kA C-Curve Techno MCB	HPL	NTSPC06	3	3
С	OUTGOING MCCB 200A	MAKE	1	FEEDER QTY	1
1	200A 4P 25kA MCCB (with Spreaders), TA Release (Fixed Thermal & Fixed Magnetic), Type : TAB Basix 2	HPL	TABBASIX2200C4P	1	1
2	Spreader Terminals (4 Pole - Set of 8 Nos.) for 160-200A TAB2 MCCB	HPL	TAB2200ST4P	1	1
D	OUTGOING MCCB 100A	MAKE	1	FEEDER QTY	1
1	100A 4P 16kA MCCB (with Spreaders), TA Release (Fixed Thermal & Fixed Magnetic), Type : TAB Basix 1	HPL	TABBASIX1100D4P	1	1
2	Spreader Terminals (4 Pole - Set of 8 Nos.) for 20-100A TAB1 MCCB	HPL	TAB1100ST4P	1	1
E	OUTGOING MCCB 40A	MAKE	1	FEEDER QTY	2
1	40A 4P 16kA MCCB, TA Release (Fixed Thermal & Fixed Magnetic), Type : TAB Basix 1	HPL	TABBASIX1040D4P	1	2
		HPL HPL	TABBASIX1040D4P TAB1100ST4P	1 1 FEEDER	2





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1	32A 1PN 10kA C-Curve Techno MCB	HPL	NTSPNC32	1	1
S.N.	FABRICATION DETAILS	MAKE	TYPE/MATERIAL	QTY	UNIT
1	FABRICATION: 3.15 CRCA Sheet PRE TREATMENT: 7 TANK PROCESS PAINTING: POWDER COATED WITH SIEMENS GREY SHED (RAL 7032) TYPE: INDOOR TYPE, FREE FLOOR RESTING, FIX TYPE, SINGLE FRONT, COMPARTMENTLISED DESIGN, SINGLE DOOR CABLE ENTRY: TOP/BOTTOM (DETACHABLE GLAND PLATE UNDRILLED)	DVEPL	MS/CRCA	1	JOB
2	BASE FRAME: 50X50X5 MM & 450MM	DVEPL	ISMC	1	JOB
3	BUSBAR: PH: 1x30x10, N: 1X30X10  Material: Electrolytic grade COPPER  Current Density: 1 Amp/Sq. mm  Insulation: Color coded heat shrinkable Sleeves	DVEPL	Copper	1	JOB
4	WIRING HARNESS (METERING STARTERS)	DVEPL	CU- WIRE	1	LOT
5	HARDWARE & ACCESSORIES (LOCKS, GASKET, NUT BOLT ETC)	DVEPL	NUT, BOLTS, LUGS ETC.	1	LOT
6	LABOUR	DVEPL		1	JOB
2	SR NO 8.04		BOARD QTY		
Α	INCOMER MCCB 160A		1	FEEDER QTY	1
SR. NO.	BOQDESCRIPTION	MAKE	CATALOG NUMBER	QTY	TOTAL QTY
1	160A 4P 25kA MCCB (with Spreaders), TA Release (Fixed Thermal & Fixed Magnetic), Type : TAB Basix 1	HPL	TABBASIX1160C4P	1	1
2	Spreader Terminals (4 Pole - Set of 8 Nos.) for 125-160A TAB1 MCCB	HPL	TAB1160ST4P	1	1
В	METERING	MAKE	1	FEEDER QTY	1
1 2	Multifunction Meter (LED display), 3Ph, Parameters: V, A, F, PF, kW, kVA, kVAR, kWh, kVAh, kVARh, Runhours, On hours, Phase angle, Interrupts, THD, Events (High-Low), Neutral Current, CL: 1, Aux Sup: 90-300V AC/DC, Size: 96X96  Red Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	L&T ESBEE	WL4410100000 EPLR240A	1 1	1
3	Yellow Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	ESBEE	EPLY240A	1	1
4	Blue Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	ESBEE	EPLB240A	1	1
5	32A Neutral Link, Color: Black/Khaki	FTC	FNL 32	1	1
6 7	200/5A 5VA Acc. Cl: 1, ABS Insulated Bar Primary Ring Type Current Transformer, ID: 34mm 6 Sq.mm Disconnecting Terminal (Std. Color), Type: KUTSD 6	NIPPEN ELMEX	NA KUTSD 6	3	3
8	6A 1P 10kA C-Curve Techno MCB	HPL	NTSPC06	3	3
D	OUTGOING MCCB 100A	MAKE	1	FEEDER QTY	3
1	100A 4P 16kA MCCB (with Spreaders), TA Release (Fixed Thermal & Fixed Magnetic), Type: TAB Basix 1	HPL	TABBASIX1100D4P	1	3
2	Spreader Terminals (4 Pole - Set of 8 Nos.) for 20-100A TAB1 MCCB	HPL	TAB1100ST4P	1	3
E	OUTGOING MCCB 40A	MAKE	1	FEEDER QTY	2
1	40A 4P 16kA MCCB, TA Release (Fixed Thermal & Fixed Magnetic), Type : TAB Basix 1	HPL	TABBASIX1040D4P	1	2
2	Spreader Terminals (4 Pole - Set of 8 Nos.) for 20-100A TAB1 MCCB	HPL	TAB1100ST4P	1	2
F	OUTGOING MCB	MAKE	1	FEEDER QTY	1
1	40A 3PN 10kA C-Curve Techno MCB	HPL	NTTPNC40	1	1
2	32A 1PN 10kA C-Curve Techno MCB	HPL	NTSPNC32	2 FEEDER	2
	STREET LIGHT TIMER	MAKE	1	QTY	1
1	20A 3P 10kA C-Curve Techno MCB	HPL	NTTPC20	1	1
2	AC3: 18A AC1: 32A 3P Power Contactor, Coil Voltage: 220V AC, Aux. contact: 1NO+1NC, Type: SDE-18	HPL	SDE1811A4	1	1
3	Digital Time Switch (Crono), Voltage: 110 - 240VAC, Contact: 1 C/O, Base/DIN,	GIC	67DDT0	1	1





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S.N.	FABRICATION DETAILS	MAKE	TVDE/MATERIAL	OTV	UNIT
3.IV.	FABRICATION DETAILS	IVIARE	TYPE/MATERIAL	QTY	UNIT
1	FABRICATION: 3.15MM CRCA Sheet PRE TREATMENT: 7 TANK PROCESS PAINTING: POWDER COATED WITH SIEMENS GREY SHED (RAL 7032) TYPE: INDOOR TYPE, FREE FLOOR RESTING, FIX TYPE, SINGLE FRONT, COMPARTMENTLISED DESIGN, SINGLE DOOR CAPILE ENTRY: TOR (POTTOM (DETACHABLE GLAND BLATE LINDRILLED)	DVEPL	MS/CRCA	1	JOB
2	CABLE ENTRY: TOP/BOTTOM (DETACHABLE GLAND PLATE UNDRILLED)  BASE FRAME: 50X50X5 MM & 450MM	DVEPL	ISMC	1	JOB
		DVLFL	ISIVIC		100
3	BUSBAR: PH: 1x30x5, N: 1X30X5  Material: Electrolytic grade COPPER  Current Density: 1 Amp/Sq. mm  Insulation: Color coded heat shrinkable Sleeves	DVEPL	Copper	1	JOB
4	WIRING HARNESS (METERING STARTERS)	DVEPL	CU- WIRE	1	LOT
5	HARDWARE & ACCESSORIES (LOCKS, GASKET, NUT BOLT ETC)	DVEPL	NUT, BOLTS, LUGS ETC.	1	LOT
6	LABOUR	DVEPL		1	JOB
2	SR NO 8.05		BOARD QTY		
Α	INCOMER MCCB 100A		1	FEEDER QTY	1
SR. NO.	BOQDESCRIPTION	MAKE	CATALOG NUMBER	QTY	TOTAL QTY
	100A 4P 16kA MCCB (with Spreaders), TA Release (Adj Thermal & Fixed				
1	Magnetic), Type : TAB1	HPL	TAB160DX100AC4P	1	1
2	Spreader Terminals (4 Pole - Set of 8 Nos.) for 20-100A TAB1 MCCB	HPL	TAB1100ST4P	1	1
В	METERING	MAKE	1	FEEDER QTY	1
1	Multifunction Meter (LED display), 3Ph, Parameters: V, A, F, PF, kW, kVAR, kWh, kVAh, kVARh, Runhours, On hours, Phase angle, Interrupts, THD, Events (High-Low), Neutral Current, CL: 1, Aux Sup: 90-300V AC/DC, Size: 96X96	L&T	WL4410100000	1	1
2	Red Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	ESBEE	EPLR240A	1	1
3	Yellow Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	ESBEE	EPLY240A	1	1
4	Blue Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	ESBEE	EPLB240A	1	1
5	32A Neutral Link, Color: Black/Khaki	FTC	FNL 32	1	1
6	100/5A 5VA Acc. Cl: 1, ABS Insulated Bar Primary Ring Type Current Transformer, ID: 33mm	NIPPEN	NA	3	3
7	6 Sq.mm Disconnecting Terminal (Std. Color), Type: KUTSD 6	ELMEX	KUTSD 6	3	3
8	6A 1P 10kA C-Curve Techno MCB	HPL	NTSPC06	3	3
D	OUTGOING MCCB 63A	MAKE	1	FEEDER QTY	1
1	63A 4P 16kA MCCB, TA Release (Fixed Thermal & Fixed Magnetic), Type : TAB Basix 1	HPL	TABBASIX1063D4P	1	1
2	Spreader Terminals (4 Pole - Set of 8 Nos.) for 20-100A TAB1 MCCB	HPL	TAB1100ST4P	1	1
E	OUTGOING MCCB 40A	MAKE	1	FEEDER QTY	2
	40A 4P 16kA MCCB, TA Release (Fixed Thermal & Fixed Magnetic), Type : TAB			QII	
1	Basix 1	HPL	TABBASIX1040D4P	1	2
2	Spreader Terminals (4 Pole - Set of 8 Nos.) for 20-100A TAB1 MCCB	HPL	TAB1100ST4P	1	2
F	OUTGOING MCB	MAKE	1	FEEDER QTY	3
1	32A 1PN 10kA C-Curve Techno MCB	HPL	NTSPNC32	1	3
S.N.	FABRICATION DETAILS	MAKE	TYPE/MATERIAL	QTY	UNIT





		AN 150 9001.2006 CENTIF	LD GG.	
FABRICATION: 3.15MM CRCA Sheet PRE TREATMENT: 7 TANK PROCESS PAINTING: POWDER COATED WITH SIEMENS GREY SHED (RAL 7032) TYPE: INDOOR TYPE, FREE FLOOR RESTING, FIX TYPE, SINGLE FRONT, COMPARTMENTLISED DESIGN, SINGLE DOOR CABLE ENTRY: TOP/BOTTOM (DETACHABLE GLAND PLATE UNDRILLED)	DVEPL	MS/CRCA	1	JOB
	DVFPI	ISMC	1	JOB
	DVELE	151110	-	705
Material: Electrolytic grade COPPER Current Density: 1 Amp/Sq. mm Insulation: Color coded heat shrinkable Sleeves	DVEPL	Copper	1	JOB
WIRING HARNESS (METERING STARTERS)	DVEPL	CU- WIRE	1	LOT
·	DVEPL		1	LOT
		, 202.0, 2000 2.0.		JOB
	DVELE		1	305
SR NO 8.06		BOARD QTY		
INCOMER MCCB 40A		1	FEEDER QTY	1
BOQDESCRIPTION	MAKE	CATALOG NUMBER	QTY	TOTAL QTY
40A 4P 16kA MCCB, TA Release (Adj Thermal & Fixed Magnetic), Type: TAB1	HPL	TAB160DX040AC4P	1	1
Spreader Terminals (4 Pole - Set of 8 Nos.) for 20-100A TAB1 MCCB	HPL	TAB1100ST4P	1	1
METERING	MAKE	1		1
Multifunction Meter (LED display), 3Ph, Parameters: V, A, F, PF, kW, kVA, kVAR, kWh, kVAh, kVARh, Runhours, On hours, Phase angle, Interrupts, THD, Events (High-Low), Neutral Current, CL: 1, Aux Sup: 90-300V AC/DC, Size: 96X96	I&T	WI 4410100000	1	1
				1
				1
				1
				1
	110	TIVE 32	1	
, , ,	NIPPFN	NΔ	3	3
				3
				3
OA IF IONA C-Cuive recinio MCB	nrL	NTSPCOO	_	3
OUTGOING MCB	MAKE	1	QTY	4
	HPL	NTSPNC32	1	4
FABRICATION DETAILS	MAKE	TYPE/MATERIAL	QTY	UNIT
FABRICATION: 3.15MM CRCA Sheet PRE TREATMENT: 7 TANK PROCESS PAINTING: POWDER COATED WITH SIEMENS GREY SHED (RAL 7032) TYPE: INDOOR TYPE, FREE FLOOR RESTING, FIX TYPE, SINGLE FRONT, COMPARTMENTLISED DESIGN, SINGLE DOOR CABLE ENTRY: TOP/BOTTOM (DETACHABLE GLAND PLATE UNDRILLED)	DVEPL	MS/CRCA	1	JOB
BASE FRAME: 50X50X5 MM & 450MM	DVEPL	ISMC	1	JOB
BUSBAR: PH: 1x20x3. N: 1X20X3				
Material: Electrolytic grade COPPER Current Density: 1 Amp/Sq. mm Insulation: Color coded heat shrinkable Sleeves	DVEPL	Copper	1	JOB
WIRING HARNESS (METERING STARTERS)	DVEPL	CU- WIRE	1	LOT
HARDWARE & ACCESSORIES (LOCKS, GASKET, NUT BOLT ETC)	DVEPL	NUT, BOLTS, LUGS ETC.	1	LOT
LABOUR	DVEPL		1	JOB
SR NO 8.07		BOARD QTY		
INCOMER MCCB 63A		1	FEEDER QTY	1
	PRE TREATMENT: 7 TANK PROCESS PAINTING: POWDER COATED WITH SIEMENS GREY SHED (RAL 7032) TYPE: INDOOR TYPE, FREE LOOR RESTING, FIX TYPE, SINGLE FRONT, COMPARTMENTLISED DESIGN, SINGLE DOOR CABLE ENTRY: TOP/BOTTOM (DETACHABLE GLAND PLATE UNDRILLED) BASE FRAME: 50X50XS MM & 450MM BUSBAR: PH: 1x20x5, N: 1X20XS Material: Electrolytic grade COPPER Current Density: 1 Amp/Sq. mm Insulation: Color coded heat shrinkable Sleeves WIRING HARNESS (METERING STARTERS) HARDWARE & ACCESSORIES (LOCKS, GASKET, NUT BOLT ETC) LABOUR  SR NO 8.06  INCOMER MCCB 40A  BOQDESCRIPTION  40A 4P 16KA MCCB, TA Release (Adj Thermal & Fixed Magnetic), Type: TAB1 Spreader Terminals (4 Pole - Set of 8 Nos.) for 20-100A TAB1 MCCB  METERING  Multifunction Meter (LED display), 3Ph, Parameters: V, A, F, PF, kW, kVA, kVAR, kWh, kVARh, Runhours, On hours, Phase angle, Interrupts, THD, Events (High-Low), Neutral Current, CL: 1, Aux Sup: 90-300 V AC/DC, Size: 96X96  Red Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC  Blue Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC  Blue Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC  32A Neutral Link, Color: Black/Khaki  50/5A 3VA Acc. Cl: 5, ABS Insulated Bar Primary Ring Type Current Transformer, 1D: 33mm 6 Sq. mm Disconnecting Terminal (Std. Color), Type: KUTSD 6 6A 1P 10kA C-Curve Techno MCB  OUTGOING MCB  32A 1PN 10kA C-Curve Techno MCB  FABRICATION 1: 3.15MM CRCA Sheet PRE TREATMENT: 7 TANK PROCESS PAINTING: POWDER COATED WITH SLEMENS GREY SHED (RAL 7032) TYPE: INDOOR TYPE, FREE FLOOR RESTING, FIX TYPE, SINGLE FRONT, COMPARTMENTLISED DESIGN, SINGLE DOOR CABLE ENTRY: TOP/BOTTOM (DETACHABLE GLAND PLATE UNDRILLED)  BASE FRAME: 50X50X5 MM & 450MM  BUSBAR: PH: 1x20x3, N: 1X20X3  Material: Electrolytic grade COPPER Current Density: 1 Amp/Sq. mm Insulation: Color coded that shrinkable Sleeves  WIRING HARNESS (METERING STARTERS)  HARDWARE & ACCESSORIES (LOCKS, GASKET, NUT BOLT ETC)  LABOUR	PRE TREATMENT: 7 TANK PROCESS PAINTINE; POWDER COATED WITH SIEMENS GREY SHED (RAL 7032) TYPE: INDOOR TYPE, FREE FLOOR RESTING, FIX TYPE, SINGLE FRONT, COMPARTMENTILISED DESIGN, SINGLE DOOR CABLE ENTRY: TOP/BOTTOM (DETACHABLE GLAND PLATE UNDRILLED)  BASE FRAME: 50X50X5 MM & 450MM  DVEPL  BUSBAR: PH: 1x20x5, N: 1X20X5  Material: Electroytic grade COPPER Current Density: 1 Amp/5q. mm Insulation: Color coded heat shrinkable Sleeves  WIRING HARNESS (METERING STARTERS)  DVEPL  LABOUR  SR NO 8.06  INCOMER MCCB 40A  BOQDESCRIPTION  MAKE  40A 4P 16kA MCCB, TA Release (Adj Thermal & Fixed Magnetic), Type: TAB1 Spreader Terminals (4 Pole - Set of 8 Nos.) for 20-100A TAB1 MCCB  MUltifunction Meter (LED display), 3Ph, Parameters: V, A, F, PF, kW, kVA, kVAR, kWh, kVAh, kVAR, Ruhnbours, On hours, Phase angle, Interrupts, THD, Events (High-Low), Neutral Current, Ct: 1, Aux Sup: 90.400 AC/Dc, Size: 96X96  Red Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC  SEBEE  Blue Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC  SEBEE  Blue Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC  SAWA AC. Ct: 5, ABS Insulated Bar Primary Ring Type Current Transformer, 10: 3.3mm NIPPEN  6 Sq. mm Disconnecting Terminal (Std. Color), Type: KUTSD 6 BASE PRAME: SONOS MM & 450MM  PABRICATION 1: 3.15MM CRCA Sheet PRE TREATMENT: 7 TANK PROCESS PAINTING: POWDER COATED WITH SIEMENS GREY SHED (RAL 7032) PYPE: INDOOR OR RESTING, PIX TYPE, SINGLE FRONT, COMPARTMENT; TOP/BOTTOM (PETALLS)  DVEPL  PABRICATION 2: 3.15MM CRCA Sheet PRE TREATMENT: 7 TANK PROCESS PAINTING: POWDER COATED WITH SIEMENS GREY SHED (RAL 7032) PYPE: INDOOR OR RESTING, PIX TYPE, SINGLE FRONT, COMPARTMENT; 7 TANK PROCESS PAINTING: POWDER COATED WITH SIEMENS GREY SHED (RAL 7032) PYPE: INDOOR ORDER RESTING, PIX TYPE, SINGLE FRONT, COMPARTMENT; 7 TANK PROCESS PAINTING: POWDER COATED WITH SIEMENS GREY SHED (RAL 7032) PYPE: INDOOR ORDER COATED WITH SIEMENS GREY SHED (RAL 7032) PYPE: INDOOR ORDER COATED WITH SIEMENS GREY SHED (RAL 7032) PYPE: INDOOR ORDER COATED WITH SIEMENS GREY SHE	PRE TREATMENT. 7 TANK PROCESS PAINTING: POWDRE COATE WITH SIEMENS GREY SHED (RAZ 7032) TYPE: INDOOR TYPE, FREE FLOOR RESTING, EXT YPE, SINGLE FRONT, COMPARTMENTINES DESIGN, SHORE DOOR CABLE ENTRY: TOP/BOTTOM (DETACHABLE GLAND PLATE UNDRILLED) BASE FRAME: 50X50XS MIM & 450MM  DVEPL  SIMC  BUSSARR: PRI-1205, N: 1220XS Material: Electrolytic grade COPPER CUrrent Density: 1 Amp/Sq. mm Insulation: Color coded theat shrinkable Sleeves  WIRING HARRESS (METERING STRATERS)  DVEPL  CU- WIRE  BARDWARE & ACCESSORIES (LOCKS, GASKET, NUT BOLT ETC)  DVEPL  SR NO 8.06  SR NO 8.06  SR NO 8.06  SR NO 8.06  INCOMER MCCB 40A  1  BOQDESCRIPTION  MAKE  CATALOG NUMBER  40A 4P 16kA MCCB, TA Release (Adj Thermal & Fixed Magnetic), Type; TAB1 Spreader Terminals (4 Pole - Set of 8 Nos.) for 20-100A TAB1 MCCB  METERING  METERING  METERING  METERING  MAKE  1  MILITURION, Neutral Current, Ct. 1, Aux Sup 39-300V AC/DC, Sizes 95X96  (Righ-Low), Neutral Current, Ct. 1, Aux Sup 39-300V AC/DC, Sizes 95X96  (Righ-Low), Neutral Current, Ct. 1, Aux Sup 39-300V AC/DC, Sizes 95X96  AVA ACC. CT. 5, ABS Insulated Bar Primary Ring Type: Current Transformer, ID: 33mm  NIPPEN  AS A POLE DI Indicator 2.25 mm, Voltage: 280V AC  23A Neutral Link, Color: Black/Khaki  SO/SA 3VA ACC. CT. 5, ABS Insulated Bar Primary Ring Type: Current Transformer, ID: 33mm  NIPPEN  AS A IPP JOKA C-Curve Techno MCB  PABRICATION : 3.15MM CRCA Sheet  PABRICATION : 3.15MM CRCA Sheet  PABRICATION Electrol WITH SIEMENS GREY SHED (RAL 7032)  TYPE: INDOOR TYPE, RELECTION ESTING, FIX TYPE, SINGLE FRONT, COMPARTMENTISED DESIGN, SINGLE DOOR  CABLE ENTRY TOPE, DEVELOR OF THE AUX TYPE, SINGLE FRONT, COMPARTMENTISED DESIGN, SINGLE DOOR  CABLE ENTRY TOPE, REPE FLOOR ARE STRONE, FIX TYPE, SINGLE FRONT, COMPARTMENTISED DESIGN, SINGLE DOOR  CABLE ENTRY TOPE, REPE FLOOR ARE STRONE, FIX TYPE, SINGLE FRONT, COMPARTMENTISED DESIGN, SINGLE DOOR  CABLE ENTRY TOPE, REPE FLOOR ARE STRONE, FIX TYPE, SINGLE FRONT, COMPARTMENTISED DESIGN, SINGLE DOOR  CARRIES FRAME: 50X50X5 MM & 450MM  DVEPL  LISMC  COPPER	PRETERATMENT: 7 TANK PROCESS   NATIONAL STREET   PROCESS   PRO





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SR. NO.	BOQDESCRIPTION	MAKE	CATALOG NUMBER	QTY	TOTAL QTY
1	63A 4P 16kA MCCB, TA Release (Adj Thermal & Fixed Magnetic), Type : TAB1	HPL	TAB160DX063AC4P	1	1
2	Spreader Terminals (4 Pole - Set of 8 Nos.) for 20-100A TAB1 MCCB	HPL	TAB1100ST4P	1	1
В	METERING	MAKE	1	FEEDER QTY	1
	Multifunction Meter (LED display), 3Ph, Parameters: V, A, F, PF, kW, kVA, kVAR,				
	kWh, kVAh, kVARh, Runhours, On hours, Phase angle, Interrupts, THD, Events				
1	(High-Low), Neutral Current, CL: 1, Aux Sup: 90-300V AC/DC, Size: 96X96	L&T	WL4410100000	1	1
2	Red Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	ESBEE	EPLR240A	1	1
3	Yellow Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	ESBEE	EPLY240A	1	1
4	Blue Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	ESBEE	EPLB240A	1	1
5	32A Neutral Link, Color: Black/Khaki 75/5A 3VA Acc. Cl: 5, ABS Insulated Bar Primary Ring Type Current Transformer,	FTC	FNL 32	1	1
6	ID: 33mm	NIPPEN	NA	3	3
7	6 Sq.mm Disconnecting Terminal (Std. Color), Type: KUTSD 6	ELMEX	KUTSD 6	3	3
8	6A 1P 10kA C-Curve Techno MCB	HPL	NTSPC06	3	3
F	OUTGOING MCB	MAKE	1	FEEDER QTY	1
1	40A 1PN 10kA C-Curve Techno MCB	HPL	NTSPNC40	1	1
2	32A 1PN 10kA C-Curve Techno MCB	HPL	NTSPNC32	8	8
	STREET LIGHT	MAKE	1	FEEDER QTY	1
1	20A 3P 10kA C-Curve Techno MCB	HPL	NTTPC20	1	1
2	Spreader Terminals (3 Pole - Set of 6 Nos.) for 20-100A TAB1 MCCB	HPL	TAB1100ST3P	1	1
3	AC3: 18A AC1: 32A 3P Power Contactor, Coil Voltage: 220V AC, Aux. contact: 1NO+1NC, Type: SDE-18	HPL	SDE1811A4	1	1
4	Digital Time Switch (Crono), Voltage: 110 - 240VAC, Contact: 1 C/O, Base/DIN, 25 ON/OFF	GIC	67DDT0	1	1
S.N.	FABRICATION DETAILS	MAKE	TYPE/MATERIAL	QTY	UNIT
1	FABRICATION: 3.15MM CRCA Sheet PRE TREATMENT: 7 TANK PROCESS PAINTING: POWDER COATED WITH SIEMENS GREY SHED (RAL 7032) TYPE: INDOOR TYPE, FREE FLOOR RESTING, FIX TYPE, SINGLE FRONT, COMPARTMENTLISED DESIGN, SINGLE DOOR CABLE ENTRY: TOP/BOTTOM (DETACHABLE GLAND PLATE UNDRILLED)	DVEPL	MS/CRCA	1	JOB
2	BASE FRAME: 50X50X5 MM & 450MM	DVEPL	ISMC	1	JOB
3	BUSBAR: PH: 1x20x3, N: 1X20X3  Material: Electrolytic grade COPPER  Current Density: 1 Amp/Sq. mm  Insulation: Color coded heat shrinkable Sleeves	DVEPL	Copper	1	JOB
4	WIRING HARNESS (METERING STARTERS)	DVEPL	CU- WIRE	1	LOT
5	HARDWARE & ACCESSORIES (LOCKS, GASKET, NUT BOLT ETC)	DVEPL	NUT, BOLTS, LUGS ETC.	1	LOT
6	LABOUR	DVEPL	, _52.5, 2565 276.	1	JOB
2	SR NO 8.08		BOARD QTY		
Α	INCOMER MCCB 40A		1	FEEDER QTY	1
SR. NO.	BOQDESCRIPTION	MAKE	CATALOG NUMBER	QTY	TOTAL QTY
	40A 4P 16kA MCCB, TA Release (Fixed Thermal & Fixed Magnetic), Type : TAB				
1	Basix 1	HPL	TABBASIX1040D4P	1	1
2	Spreader Terminals (4 Pole - Set of 8 Nos.) for 20-100A TAB1 MCCB	HPL	TAB1100ST4P	1	1
В	METERING	MAKE	1	FEEDER QTY	1
1 2	Multifunction Meter (LED display), 3Ph, Parameters: V, A, F, PF, kW, kVAR, kWh, kVAh, kVARh, Runhours, On hours, Phase angle, Interrupts, THD, Events (High-Low), Neutral Current, CL: 1, Aux Sup: 90-300V AC/DC, Size: 96X96  Red Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	L&T ESBEE	WL4410100000 EPLR240A	1	1 1
	nea den Next i la LED maidator 22.3 mm, voltage. 240 V MC	LUDEL	LI LINZ-TUM		

#### MANUFACTURERS OF LT CONTROL PANELS





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3	Yellow Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	ESBEE	EPLY240A	1	1
4	Blue Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	ESBEE	EPLB240A	1	1
5	32A Neutral Link, Color: Black/Khaki	FTC	FNL 32	1	1
	50/5A 3VA Acc. Cl: 5, ABS Insulated Bar Primary Ring Type Current Transformer,				
6	ID: 33mm	NIPPEN	NA	3	3
7	6 Sq.mm Disconnecting Terminal (Std. Color), Type: KUTSD 6	ELMEX	KUTSD 6	3	3
8	6A 1P 10kA C-Curve Techno MCB	HPL	NTSPC06	3	3
F	OUTGOING MCB	MAKE	1	FEEDER QTY	1
1	40A 3PN 10kA C-Curve Techno MCB	HPL	NTTPNC40	1	1
2	32A 1PN 10kA C-Curve Techno MCB	HPL	NTSPNC32	5	5
S.N.	FABRICATION DETAILS	MAKE	TYPE/MATERIAL	QTY	UNIT
1	FABRICATION: 3.15MM CRCA Sheet PRE TREATMENT: 7 TANK PROCESS PAINTING: POWDER COATED WITH SIEMENS GREY SHED (RAL 7032) TYPE: INDOOR TYPE, FREE FLOOR RESTING, FIX TYPE, SINGLE FRONT, COMPARTMENTLISED DESIGN, SINGLE DOOR CABLE ENTRY: TOP/BOTTOM (DETACHABLE GLAND PLATE UNDRILLED)	DVEPL	MS/CRCA	1	JOB
2	BASE FRAME: 50X50X5 MM & 450MM	DVEPL	ISMC	1	JOB
3	BUSBAR: PH: 1x20x3, N: 1X20X3,  Material: Electrolytic grade COPPER  Current Density: 1 Amp/Sq. mm  Insulation: Color coded heat shrinkable Sleeves	DVEPL	Copper	1	JOB
4	WIRING HARNESS (METERING STARTERS)	DVEPL	CU- WIRE	1	LOT
5	HARDWARE & ACCESSORIES (LOCKS, GASKET, NUT BOLT ETC)	DVEPL	NUT, BOLTS, LUGS ETC.	1	LOT
_	HARDWARE & ACCESSORIES (LOCKS, GASKET, NOT BOLT ETC)		- ,,		





### **ANNEXURE - III**

### **PRICE SCHEDULE**

SR. NO.	DESCRIPTION OF ITEM	QTY	UNIT RATE (INR)	AMOUNT (INR)
1	SR NO 7.32	1	76,100.00	76,100.00
2	SR NO 8.03	1	1,04,700.00	1,04,700.00
3	SR NO 8.04	1	92,500.00	92,500.00
4	SR NO 8.05	1	53,000.00	53,000.00
5	SR NO 8.06	1	40,400.00	40,400.00
6	SR NO 8.07	1	42,900.00	42,900.00
7	SR NO 8.08	1	38,100.00	38,100.00
	TOTAL QUANTITY	7	TOTAL COST (INR)	4,47,700.00

In words: Rupees Four Lac Forty Seven Thousand Seven Hundred Only

**NOTES:** 





### <u>ANNEXURE – IV</u>

### **COMMERCIAL TERMS AND CONDITIONS**

**PRICE:** Ex works – IGC PATHANKOT (PB.)

**PACKING & FORWARDING:** Extra as per actual

**FREIGHT & INSURANCE:** Extra Freight & insurance.

**GST:** 18% or Actual As per Gst Taxation.

**OCTROI:** Extra as applicable.

**PAYMENT TERMS:** 50% in advance with confirmed order and balance against Performa

invoice before dispatch.

ORDER PLACEMENT: D.V. ELECTROMATIC PVT.LTD

**DELIVERY:** 6-8 Weeks from the date of approval of drawings.

**VALIDITY** Our offer is valid for 15 Days from the date of this offer and

thereafter subject to our confirmation.

**WARRANTY:** 18 Months from the date of supply or 12 months from the

commissioning whichever ends earlier.

**INSPECTION:** On intimation, prior inspection of the panels, if required, may be

carried out by the buyers authorized representative at our works at

IGC - Pathankot (pb.)

**ORDER AMENDMENTS**: Any change in specifications & other terms shall entail revision of

delivery and prices including statutory variations.

**FORCE MAJEURE:** We shall not be responsible for the failure or delay in order due to

acts beyond our control such as war, fire, labour problems, accidents, natural calamities, government acts or shortage of

material.

**COMMISSIONING CHARGES** 2500/Men days Testing, Commissioning and programming with

Loging, fooding and boarding in Customer scope. Unloading, Fixing, Laying cables and Installation of panels at site are not in our scope.

**Our Bank Details:** 

HDFC Bank
DALHOUSIE ROAD, PATHANKOT-145001
A/c # 50200012824476

IFSC Code: HDFC0002459