



REF NO: **DVEPL/20-21/6591/R0** 

Date - 20-July-2024

TO, S.G.ENGINEERING CO JODHPUR

Kind Attn.: YS.G.ENGINEERING CO

Mobile No.: 9828026311

Email ID: sgengineeringcompany@gmail.com

Sub: QUOTATION FOR CWE (AF) BKN\_SOG-\_2024-25 2024\_MES\_662557\_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 49		BOARD QTY		
Α	INCOMER MCCB 315A		1	FEEDER QTY	1
SR. NO.	BOQDESCRIPTION	MAKE	CATALOG NUMBER	QTY	TOTAL QTY
1	315A 4P 36kA MCCB (with Spreaders), TM Release (Adj Thermal & Adj Magnetic), Type: TAB3	HPL	TAB630NX315AC4P	1	1
2	Spreader Terminals (4 Pole - Set of 8 Nos.) for 315A TAB3 MCCB	HPL	TAB3315ST4P	1	1
3	ROHM 4P compact Door mounted for TAB3 MCCB	HPL	RHCT3AFPDM	1	1
4	Auxiliary Switch, Contacts: 1 C/O for TAB3 MCCB	HPL	TAB3AUX1CO	1	1
5	Red Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	ESBEE	EPLR240A	1	1
6	Green Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	ESBEE	EPLG240A	1	1
7	6A 1P 10kA C-Curve Techno MCB	HPL	NTSPC06	1	1
В	METERING	MAKE	1	FEEDER QTY	1
1	Multifunction Meter (LED display), 3Ph, Parameters: V, A, F, PF, kW, kVA, Old energy, On hours, site selectable kWh/ kVAh, CL: 1, Aux Sup: 90-300V AC/DC, Size: 96X96	L&T	WL4400100000	1	1
2	Ammeter with Inbuilt selector switch, 3Ph, Acc. CL: 1, Aux Supply: 80-300V AC, Size: 96X96	L&T	WL1310100000	1	1
3	Voltmeter with Inbuilt selector switch, 3Ph, Acc. CL: 1, Aux Supply: 80-300V AC, Size: 96X96	L&T	WL1320100000	1	1
4	Red Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	ESBEE	EPLR240A	1	1
5	Yellow Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	ESBEE	EPLY240A	1	1
6	Blue Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	ESBEE	EPLB240A	1	1
7	32A Neutral Link, Color: Black/Khaki	FTC	FNL 32	3	3
	300/5A 10VA Acc. Cl: 1, ABS Insulated Bar Primary Ring Type Current				
8	Transformer, ID: 60mm	NIPPEN	NA	3	3
9	6 Sq.mm Disconnecting Terminal (Std. Color), Type: KUTSD 6	ELMEX	KUTSD 6	3	3
10	2A 1P 10kA C-Curve Techno MCB	HPL	NTSPC2	3	3
С	OUTGOING MCCB 100A	MAKE	1	FEEDER QTY	3
1	100A 4P 25kA MCCB (with Spreaders), TA Release (Adj Thermal & Fixed Magnetic), Type : TAB1	HPL	TAB160CY100AC4P	1	3
2	ROHM compact Door mounted for TAB1 MCCB	HPL	RHCT1ACPDM	1	3
3	Spreader Terminals (4 Pole - Set of 8 Nos.) for 20-100A TAB1 MCCB	HPL	TAB1100ST4P	1	3
4	Auxiliary Switch, Contacts: 1 C/O for TAB1 MCCB	HPL	TAB160AX1C	1	3
5	Red Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	ESBEE	EPLR240A	1	3
6	Green Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	ESBEE	EPLG240A	1	3
7	6A 1P 10kA C-Curve Techno MCB	HPL	NTSPC06	1	3
D	OUTGOING CHILLED WATER PUMP FASD	MAKE	1	FEEDER QTY	2
1	40A 3P 25kA MCCB, TA Release (Adj Thermal & Fixed Magnetic), Type: TAB1	HPL	TAB160CY040AC3P	1	2
2	Spreader Terminals (4 Pole - Set of 8 Nos.) for 20-100A TAB1 MCCB	HPL	TAB1100ST4P	1	2
3	ROHM compact Door mounted for TAB1 MCCB	HPL	RHCT1ACPDM	1	2
4	Red Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	ESBEE	EPLR240A	1	2
5	Green Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	ESBEE	EPLG240A	1	2
6	6A 1P 10kA C-Curve Techno MCB	HPL	NTSPC06	1	2
7	Auxiliary Switch, Contacts: 1 C/O for TAB1 MCCB	HPL	TAB160AX1C	1	2
8	AC3: 12A AC1: 25A 3P Power Contactor, Coil Voltage: 240V AC, Aux. contact: 1NO+1NC, Type: SDE-12	HPL	SDE1211A5	3	6
	· · · · · · · · · · · · · · · · · · ·			-	

#### MANUFACTURERS OF LT CONTROL PANELS





7. 30.54 Thermal Overhold Relay, Aux. Contact: 190-1 NN, Contactor Type: 50.50 C contact: 150.5 (r) pers. 50.50 C contact: 150.5 (r) pers. 50.50 C contact: 150.5 (s) pers. 50.5 (s) pe			i	AN 130 9001.2000 CENTI	TILD CO.	
10   Contact: LOC (Star) + LOC (Delta)   SPF - Selectable Under Voltage Selety ON Delay 0 - 155ec/Pase J00 Fixed Asymmetry, Voltage: 240 VAC, 2 (70, 3Ph/JPh 4W, 19); 555600   SPF - Selectable Under Voltage Selety ON Delay 0 - 155ec/Pase J00 Fixed Asymmetry, Voltage: 240 VAC, 2 (70, 3Ph/JPh 4W, 19); 555600   SPF - Selectable Under Voltage Selety ON Delay 0 - 155ec/Pase J00 Fixed Asymmetry, Voltage: 240 VAC   SSREE   ECIC   1   2   2   3   10   Contact Block   SSREE   ECIC   1   2   3   3   10   Contact Block   1   2   3   3   10   Contact Block   1   2   3   3   3   3   3   3   3   3   3	9	·	HPL	SDER25/10.0	1	2
SPP + Selectable Under Voltage-Selectable Cover Voltage Relay ON Delay O - 195e; Pub. 2007 (20) 38 Ph. 2007	10		GIC	14SDT1S	1	2
1   Sec. Phase 10% Fixed Asymmetry, Voltage: 240 VAC 2 (70, 3Ph/1Ph 4W, 17pe: 5M500   GIC   MC73BH   1   2   2   2   1   1   1   2   2   3   1   1   2   3   1   1   2   3   1   1   2   3   3   1   1   3   1   1   3   3   1   1				1 - 10 - 1 - 10		
12   31 NO Contact Block	11	15Sec,Phase 10% fixed Asymmetry, Voltage: 240 VAC,2 C/O, 3Ph/1Ph 4W,	CIC	MC72DU	1	2
13   INC.Contact Block					+	
Mark   Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC   SSEE   EPIR240A   1   2	-				+	
15   Green Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC   SSBEE   EPIC.240A   1   2					+	
Anniber Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC   SSEE   EPLA240A   1   2	<b>—</b>	9			+	
A I. P. ZWay, Local - Remote/ Auto-Manual Switch with Center OFF, 60 Deg.   SALZER						
E   OUTGOING CONDENSER WATER PUMP FASD	16		ESBEE	EPLAZ4UA	1	Z
1	17	,	SALZER	61025SAB13	1	2
2   Spreader Terminals (4 Pole - Set of 8 Nos.) for 20-100A TAB1 MCCB	E	OUTGOING CONDENSER WATER PUMP FASD	MAKE	1		2
2   Spreader Terminals (4 Pole - Set of 8 Nos.) for 20-100A TAB1 MCCB	1	40A 3P 25kA MCCB, TA Release (Adj Thermal & Fixed Magnetic), Type : TAB1	HPL	TAB160CY040AC3P	1	2
3 A DOHM compact Door mounted for TAB1 MCCB	2		HPL	TAB1100ST4P	1	2
4   Red Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC   ESBEE   EPLG240A   1   2	-					
Second Second Research Pro LED Indicator 22.5 mm, Voltage: 240V AC   ESBEE   EPLG240A   1   2	<b>—</b>				+	
6         6A 1P 10kA C Curve Techno MCB         HPL         NTSPC06         1         2           7         Auxiliary Switch, Contacts: 1C/O for TAB1 MCCB         HPL         TAB160AXIC         1         2           AC3: 12A AC: 25A 3P Power Contactor, Coll Voltage: 240V AC, Aux. contact:         HPL         SDE1211AS         3         6           7. O-10A Thermal Overload Relay, Aux. Contact: 1NO + 1NC, Contactor Type:         HPL         SDE211AS         3         6           9. SEC contact: 1CO (Star) - 1CO (Detra)         Star Delta Timer, Time Setting: 3sec - 120sec, Voltage: 240V AC - 415V AC,         GIC         14SDT1S         1         2           10         Contact: 1CO (Star) - 1CO (Detra)         SPP + Selectable Under Voltage-Selectable Over Voltage Relay ON Delay 0 - 155ec, Phase 10% fixed Asymmetry, Voltage: 240V AC, 2 C/O, 3Ph/1Ph 4W,         GIC         MG73BH         1         2           11         Type: SM500         GIC         MG73BH         1         2         2           12         1NO Contact Block         ESBEE         ECIC         1         2         1         2           13         1NC Contact Block         ESBEE         EPIC240A         1         2         1         2         1         2         1         2         1         2         1         2						
7   Auxillary Switch, Contacts: 1 C/O for TAB1 MCCB	-	30				
AC3: 12A AC1: 25A 3P Power Contactor, Coil Voltage: 240V AC, Aux. contact: 1NO+1NC, Type: 5DE-12					_	
NO+1NC, Type: SDE-12			2	77.52007.57.20	_	
SDE Contactor, Type: SDER25   HPL   SDER25/10.0   1   2	8		HPL	SDE1211A5	3	6
10   Contact: 1CO (Star) + 1CO (Delta)   GIC   14SDT1S   1   2	9		HPL	SDER25/10.0	1	2
15Sec, Phase 10% fixed Asymmetry, Voltage: 240 VAC, 2 C/O, 3Ph/1Ph 4W, Type: SM500   GIC   MG73BH   1   2	10		GIC	14SDT1S	1	2
11   Type: SM500		SPP + Selectable Under Voltage+Selectable Over Voltage Relay ON Delay 0 -				
1		15Sec,Phase 10% fixed Asymmetry, Voltage: 240 VAC,2 C/O, 3Ph/1Ph 4W,				
13	11	Type: SM500	GIC	MG73BH	1	2
14   Red Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC   ESBEE   EPLR240A   1   2	12	1NO Contact Block	ESBEE	EC1C	1	2
15   Green Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC   ESBEE   EPLG240A   1   2	13	1NC Contact Block	ESBEE	EC2C	1	2
16	14	Red Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	ESBEE	EPLR240A	1	2
17   Operation   SALZER   61025SAB13   1   2	15	Green Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	ESBEE	EPLG240A	1	2
The compact of the	16	Amber Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	ESBEE	EPLA240A	1	2
1	17		SALZER	61025SAB13	1	2
1       40A 3P 25kA MCCB, TA Release (Adj Thermal & Fixed Magnetic), Type : TAB1       HPL       TAB160CY040AC3P       1         2       Spreader Terminals (4 Pole - Set of 8 Nos.) for 20-100A TAB1 MCCB       HPL       TAB1100ST4P       1         3       ROHM compact Door mounted for TAB1 MCCB       HPL       RHCT1ACPDM       1         4       Red Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC       ESBEE       EPLR240A       1         5       Green Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC       ESBEE       EPLG240A       1         6       6A 1P 10kA C-Curve Techno MCB       HPL       NTSPC06       1         7       Auxiliary Switch, Contacts: 1 C/O for TAB1 MCCB       HPL       TAB160AX1C       1         8       1NO+1NC, Type: SDE-18       HPL       SDE1811A4       3       3         9       SDE Contactor, Type: SDE-18       HPL       SDER25/18.0       1       1         9       Star Delta Timer, Time Setting: 3sec - 120sec, Voltage: 240V AC - 415V AC,       GIC       14SDT1S       1       1         10       Contact: 1CO (Star) + 1CO (Delta)       GIC       MG73BH       1       1         11       Type: SM500       GIC       MG73BH       1       1         12       1NO Contact Block<	F	OUTGOING COOLING TOWER PUMP FASD	MAKE	1		1
2 Spreader Terminals (4 Pole - Set of 8 Nos.) for 20-100A TAB1 MCCB	1	40A 3P 25kA MCCB, TA Release (Adj Thermal & Fixed Magnetic). Type: TAB1	HPL	TAB160CY040AC3P		1
3       ROHM compact Door mounted for TAB1 MCCB       HPL       RHCT1ACPDM       1       1         4       Red Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC       ESBEE       EPLR240A       1       1         5       Green Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC       ESBEE       EPLG240A       1       1         6       6A 1P 10kA C-Curve Techno MCB       HPL       NTSPC06       1       1         7       Auxiliary Switch, Contacts: 1 C/O for TAB1 MCCB       HPL       TAB160AX1C       1       1         8       1NO+1NC, Type: SDE-18       HPL       SDE1811A4       3       3         9       SDE Contactor, Type: SDE-18       HPL       SDE1811A4       3       3         12.0-18A Thermal Overload Relay, Aux. Contact: 1NO + 1NC, Contactor Type:       SDE Contactor, Type: SDER25       HPL       SDER25/18.0       1       1         9       SDE Contactor, Type: SDER25       HPL       SDER25/18.0       1       1         10       Contact: 1CO (Star) + 1CO (Delta)       GIC       14SDT1S       1       1         SPP + Selectable Under Voltage+Selectable Over Voltage: 240 VAC, 2 C/O, 3Ph/1Ph 4W,       GIC       MG73BH       1       1         11       Type: SM500       GIC       MG73BH					+	
4       Red Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC       ESBEE       EPLR240A       1       1         5       Green Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC       ESBEE       EPLG240A       1       1         6       6A 1P 10kA C-Curve Techno MCB       HPL       NTSPC06       1       1         7       Auxiliary Switch, Contacts: 1 C/O for TAB1 MCCB       HPL       TAB160AX1C       1       1         8       1NO+1NC, Type: SDE 25 AC3: 18A AC1: 32A 3P Power Contactor, Coil Voltage: 220V AC, Aux. contact: 1NO+1NC, Contactor Type: SDE Contactor, Type: SDER25       HPL       SDE1811A4       3       3         9       SDE Contactor, Type: SDER25       HPL       SDER25/18.0       1       1         10       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,       GIC       MG73BH       1       1         12       1NO Contact Block       ESBEE       EC1C       1       1			†		+	
5         Green Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC         ESBEE         EPLG240A         1         1           6         6A 1P 10kA C-Curve Techno MCB         HPL         NTSPC06         1         1           7         Auxiliary Switch, Contacts: 1 C/O for TAB1 MCCB         HPL         TAB160AX1C         1         1           AC3: 18A AC1: 32A 3P Power Contactor, Coil Voltage: 220V AC, Aux. contact:         HPL         SDE1811A4         3         3           12.0-18A Thermal Overload Relay, Aux. Contact: 1NO + 1NC, Contactor Type:         HPL         SDER25/18.0         1         1           9         SDE Contactor, Type: SDER25         HPL         SDER25/18.0         1         1           10         Contact: 1CO (Star) + 1CO (Delta)         GIC         14SDT1S         1         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,         GIC         MG73BH         1         1           12         1NO Contact Block         ESBEE         EC1C         1         1	<b>—</b>				_	
6 6A 1P 10kA C-Curve Techno MCB  7 Auxiliary Switch, Contacts: 1 C/O for TAB1 MCCB  AC3: 18A AC1: 32A 3P Power Contactor, Coil Voltage: 220V AC, Aux. contact:  8 1NO+1NC, Type: SDE-18  HPL  SDE1811A4  3 3  12.0-18A Thermal Overload Relay, Aux. Contact: 1NO + 1NC, Contactor Type:  9 SDE Contactor, Type: SDER25  HPL  SDER25/18.0  1 1  Star Delta Timer, Time Setting: 3sec - 120sec, Voltage: 240V AC - 415V AC, Contact: 1CO (Star) + 1CO (Delta)  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, 11 Type: SM500  GIC  MG73BH  1 1  1 1  1 1  1 1  1 1  1 1  1 1  1	<b>—</b>				+	
7 Auxiliary Switch, Contacts: 1 C/O for TAB1 MCCB  AC3: 18A AC1: 32A 3P Power Contactor, Coil Voltage: 220V AC, Aux. contact:  8 1NO+1NC, Type: SDE-18  12.0-18A Thermal Overload Relay, Aux. Contact: 1NO + 1NC, Contactor Type:  9 SDE Contactor, Type: SDER25  HPL  SDER25/18.0  1 1  Star Delta Timer, Time Setting: 3sec - 120sec, Voltage: 240V AC - 415V AC,  Contact: 1CO (Star) + 1CO (Delta)  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,  11 Type: SM500  GIC  MG73BH  1 1  1 1  1 1  1 1  1 1  1 1  1 1  1	-				+	
AC3: 18A AC1: 32A 3P Power Contactor, Coil Voltage: 220V AC, Aux. contact:  8 1NO+1NC, Type: SDE-18 12.0-18A Thermal Overload Relay, Aux. Contact: 1NO + 1NC, Contactor Type:  9 SDE Contactor, Type: SDER25 HPL SDER25/18.0 1 1 1 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, 11 Type: SM500 GIC MG73BH 1 1 1 1 1 1 1 1 1					_	
8       1NO+1NC, Type: SDE-18       HPL       SDE1811A4       3       3         12.0-18A Thermal Overload Relay, Aux. Contact: 1NO + 1NC, Contactor Type:       HPL       SDER25/18.0       1       1         9       SDE Contactor, Type: SDER25       HPL       SDER25/18.0       1       1         Star Delta Timer, Time Setting: 3sec - 120sec, Voltage: 240V AC - 415V AC,       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,       GIC       MG73BH       1       1         12       1NO Contact Block       ESBEE       EC1C       1       1						
9 SDE Contactor, Type: SDER25  Star Delta Timer, Time Setting: 3sec - 120sec, Voltage: 240V AC - 415V AC,  Contact: 1CO (Star) + 1CO (Delta)  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,  11 Type: SM500  GIC  MG73BH  1 1  1 1  1 1	8		HPL	SDE1811A4	3	3
Star Delta Timer, Time Setting: 3sec - 120sec, Voltage: 240V AC - 415V AC, Contact: 1CO (Star) + 1CO (Delta)  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, Type: SM500  GIC  MG73BH  1  1  1  1  1  1  1  1  1  1  1  1  1	a		HPI	SDER25/18 0	1	1
10 Contact: 1CO (Star) + 1CO (Delta)  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,  11 Type: SM500  GIC  MG73BH  1 1  1 1  1 1	3		111 6	JDLN23/10.0	1	
15Sec,Phase 10% fixed Asymmetry, Voltage: 240 VAC,2 C/O, 3Ph/1Ph 4W,       GIC       MG73BH       1       1         11 Type: SM500       GIC       MG73BH       1       1         12 1NO Contact Block       ESBEE       EC1C       1       1	10		GIC	14SDT1S	1	1
11         Type: SM500         GIC         MG73BH         1         1           12         1NO Contact Block         ESBEE         EC1C         1         1		SPP + Selectable Under Voltage+Selectable Over Voltage Relay ON Delay 0 -				
12 1NO Contact Block ESBEE EC1C 1 1		15Sec,Phase 10% fixed Asymmetry, Voltage: 240 VAC,2 C/O, 3Ph/1Ph 4W,				
	11			MG73BH	1	1
13   1NC Contact Block   ESBEE   EC2C   1   1	12		ESBEE		1	1
	13	1NC Contact Block	ESBEE	EC2C	1	1

#### MANUFACTURERS OF LT CONTROL PANELS





i		1	1	i	1
14	Red Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	ESBEE	EPLR240A	1	1
15	Green Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	ESBEE	EPLG240A	1	1
16	Amber Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	ESBEE	EPLA240A	1	1
17	6A 1P 2Way Local - Remote/ Auto-Manual Switch with Center OFF, 60 Deg. Operation	SALZER	61025SAB13	1	1
G	OUTGOING MCCB 125A FOR AHU PANEL	MAKE	1	FEEDER QTY	1
	125A 4P 25kA MCCB (with Spreaders), TA Release (Adj Thermal & Fixed				
1	Magnetic), Type : TAB1	HPL	TAB160CY125AC4P	1	1
2	Spreader Terminals (4 Pole - Set of 8 Nos.) for 125-160A TAB1 MCCB	HPL	TAB1160ST4P	1	1
3	ROHM compact Door mounted for TAB1 MCCB	HPL	RHCT1ACPDM	1	1
4	Red Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	ESBEE	EPLR240A	1	1
5	Green Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	ESBEE	EPLG240A	1	1
6	6A 1P 10kA C-Curve Techno MCB	HPL	NTSPC06	1	1
7	Auxiliary Switch, Contacts: 1 C/O for TAB1 MCCB	HPL	TAB160AX1C	1	1
S.N.	FABRICATION DETAILS	MAKE	TYPE/MATERIAL	QTY	UNIT
1	FABRICATION: 2.00MM 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: 50X50X6MM & 450MM	DVEPL	ISMC	1	JOB
3	BUSBAR: PH: 1x50x5, N: 1X50X5  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)		CU- WIRE		_
5	HARDWARE & ACCESSORIES (LOCKS, GASKET, NUT BOLT ETC)	DVEPL	NUT, BOLTS, LUGS ETC.	1	LOT
6	LABOUR	DVEPL	NUT, BOLTS, LUGS ETC.	1	JOB
			BOARD QTY	r	
6	LABOUR			r	
6 <b>2</b>	SR NO 50 AHU PANEL		BOARD QTY	1 FEEDER	JOB
6 <b>2</b> A SR.	INCOMING MCCB 125A  BOQDESCRIPTION  125A 4P 16kA MCCB (with Spreaders), TA Release (Adj Thermal & Fixed	DVEPL	BOARD QTY	1 FEEDER QTY	JOB  1 TOTAL
6 2 A SR. NO.	SR NO 50 AHU PANEL INCOMING MCCB 125A BOQDESCRIPTION	DVEPL	BOARD QTY  1  CATALOG NUMBER	FEEDER QTY	JOB  1 TOTAL QTY
6 2 A SR. NO.	INCOMING MCCB 125A  BOQDESCRIPTION  125A 4P 16kA MCCB (with Spreaders), TA Release (Adj Thermal & Fixed Magnetic), Type: TAB1	DVEPL  MAKE  HPL	BOARD QTY  1  CATALOG NUMBER  TAB160DX125AC4P	FEEDER QTY QTY	JOB  1 TOTAL QTY
6 2 A SR. NO. 1 2	LABOUR  SR NO 50 AHU PANEL  INCOMING MCCB 125A  BOQDESCRIPTION  125A 4P 16kA MCCB (with Spreaders), TA Release (Adj Thermal & Fixed Magnetic), Type: TAB1  Spreader Terminals (4 Pole - Set of 8 Nos.) for 20-100A TAB1 MCCB	MAKE HPL HPL	BOARD QTY  1  CATALOG NUMBER  TAB160DX125AC4P  TAB1100ST4P	FEEDER QTY QTY 1 1	JOB  1 TOTAL QTY  1 1
6 2 A SR. NO. 1 2 3	LABOUR  SR NO 50 AHU PANEL  INCOMING MCCB 125A  BOQDESCRIPTION  125A 4P 16kA MCCB (with Spreaders), TA Release (Adj Thermal & Fixed Magnetic), Type: TAB1  Spreader Terminals (4 Pole - Set of 8 Nos.) for 20-100A TAB1 MCCB  ROHM compact Door mounted for TAB1 MCCB	MAKE HPL HPL	BOARD QTY  1  CATALOG NUMBER  TAB160DX125AC4P TAB1100ST4P RHCT1ACPDM	FEEDER QTY  QTY  1 1 1 1	JOB  1 TOTAL QTY  1 1 1
6 2 A SR. NO. 1 2 3 4	SR NO 50 AHU PANEL  INCOMING MCCB 125A  BOQDESCRIPTION  125A 4P 16kA MCCB (with Spreaders), TA Release (Adj Thermal & Fixed Magnetic), Type: TAB1  Spreader Terminals (4 Pole - Set of 8 Nos.) for 20-100A TAB1 MCCB  ROHM compact Door mounted for TAB1 MCCB  Red Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	MAKE  HPL HPL HPL ESBEE	BOARD QTY  1  CATALOG NUMBER  TAB160DX125AC4P  TAB1100ST4P  RHCT1ACPDM  EPLR240A	FEEDER QTY  QTY  1 1 1 1	JOB  1 TOTAL QTY  1 1 1 1
6 2 A SR. NO. 1 2 3 4 5	SR NO 50 AHU PANEL  INCOMING MCCB 125A  BOQDESCRIPTION  125A 4P 16kA MCCB (with Spreaders), TA Release (Adj Thermal & Fixed Magnetic), Type: TAB1  Spreader Terminals (4 Pole - Set of 8 Nos.) for 20-100A TAB1 MCCB  ROHM compact Door mounted for TAB1 MCCB  Red Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC  Green Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	MAKE  HPL HPL HPL ESBEE ESBEE	BOARD QTY  1  CATALOG NUMBER  TAB160DX125AC4P  TAB1100ST4P  RHCT1ACPDM  EPLR240A  EPLG240A	1 FEEDER QTY QTY  1 1 1 1 1 1	1 TOTAL QTY  1 1 1 1 1 1
6 2 A SR. NO. 1 2 3 4 5 6	INCOMING MCCB 125A  BOQDESCRIPTION  125A 4P 16kA MCCB (with Spreaders), TA Release (Adj Thermal & Fixed Magnetic), Type: TAB1  Spreader Terminals (4 Pole - Set of 8 Nos.) for 20-100A TAB1 MCCB ROHM compact Door mounted for TAB1 MCCB Red Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC Green Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC 6A 1P 10kA C-Curve Techno MCB	MAKE  HPL HPL HPL ESBEE ESBEE HPL	BOARD QTY  1  CATALOG NUMBER  TAB160DX125AC4P  TAB1100ST4P  RHCT1ACPDM  EPLR240A  EPLG240A  NTSPC06	1 FEEDER QTY QTY  1 1 1 1 1 1 1	1 TOTAL QTY  1 1 1 1 1 1 1
6 2 A SR. NO. 1 2 3 4 5 6 7	INCOMING MCCB 125A  BOQDESCRIPTION  125A 4P 16kA MCCB (with Spreaders), TA Release (Adj Thermal & Fixed Magnetic), Type: TAB1  Spreader Terminals (4 Pole - Set of 8 Nos.) for 20-100A TAB1 MCCB  ROHM compact Door mounted for TAB1 MCCB  Red Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC  Green Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC  6A 1P 10kA C-Curve Techno MCB  Auxiliary Switch, Contacts: 1 C/O for TAB1 MCCB  METERING  Multifunction Meter (LED display), 3Ph, Parameters: V, A, F, PF, kW, kVA, Old	MAKE  HPL HPL HPL ESBEE ESBEE HPL HPL	TAB160DX125AC4P TAB1100ST4P RHCT1ACPDM EPLR240A EPLG240A NTSPC06 TAB160AX1C	1 FEEDER QTY QTY  1 1 1 1 1 1 1 FEEDER	1 TOTAL QTY  1 1 1 1 1 1 1 1
6 2 A SR. NO. 1 2 3 4 5 6 7	INCOMING MCCB 125A  BOQDESCRIPTION  125A 4P 16kA MCCB (with Spreaders), TA Release (Adj Thermal & Fixed Magnetic), Type: TAB1  Spreader Terminals (4 Pole - Set of 8 Nos.) for 20-100A TAB1 MCCB ROHM compact Door mounted for TAB1 MCCB Red Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC Green Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC 6A 1P 10kA C-Curve Techno MCB Auxiliary Switch, Contacts: 1 C/O for TAB1 MCCB	MAKE  HPL HPL HPL ESBEE ESBEE HPL HPL	TAB160DX125AC4P TAB1100ST4P RHCT1ACPDM EPLR240A EPLG240A NTSPC06 TAB160AX1C	1 FEEDER QTY QTY  1 1 1 1 1 1 1 FEEDER	1 TOTAL QTY  1 1 1 1 1 1 1 1
6 2 A SR. NO. 1 2 3 4 5 6 7 B	INCOMING MCCB 125A  BOQDESCRIPTION  125A 4P 16kA MCCB (with Spreaders), TA Release (Adj Thermal & Fixed Magnetic), Type: TAB1  Spreader Terminals (4 Pole - Set of 8 Nos.) for 20-100A TAB1 MCCB  ROHM compact Door mounted for TAB1 MCCB  Red Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC  Green Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC  6A 1P 10kA C-Curve Techno MCB  Auxiliary Switch, Contacts: 1 C/O for TAB1 MCCB  METERING  Multifunction Meter (LED display), 3Ph, Parameters: V, A, F, PF, kW, kVA, Old energy, On hours, site selectable kWh/ kVAh, CL: 1, Aux Sup: 90-300V AC/DC,	MAKE  HPL HPL HPL ESBEE ESBEE HPL HPL MAKE	BOARD QTY  1  CATALOG NUMBER  TAB160DX125AC4P  TAB1100ST4P  RHCT1ACPDM  EPLR240A  EPLG240A  NTSPC06  TAB160AX1C  1	1 FEEDER QTY  1 1 1 1 1 1 1 FEEDER QTY	1 TOTAL QTY  1 1 1 1 1 1 1 1 1
6 2 A SR. NO.  1 2 3 4 5 6 7 B	INCOMING MCCB 125A  BOQDESCRIPTION  125A 4P 16kA MCCB (with Spreaders), TA Release (Adj Thermal & Fixed Magnetic), Type: TAB1  Spreader Terminals (4 Pole - Set of 8 Nos.) for 20-100A TAB1 MCCB  ROHM compact Door mounted for TAB1 MCCB  Red Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC  Green Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC  6A 1P 10kA C-Curve Techno MCB  Auxiliary Switch, Contacts: 1 C/O for TAB1 MCCB  METERING  Multifunction Meter (LED display), 3Ph, Parameters: V, A, F, PF, kW, kVA, Old energy, On hours, site selectable kWh/ kVAh, CL: 1, Aux Sup: 90-300V AC/DC, Size: 96X96  Ammeter with Inbuilt selector switch, 3Ph, Acc. CL: 1, Aux Supply: 80-300V AC, Size: 96X96	MAKE  HPL HPL HPL ESBEE ESBEE HPL HPL MAKE	### TAB160DX125AC4P  TAB160DX125AC4P  TAB1100ST4P  RHCT1ACPDM  EPLR240A  EPLG240A  NTSPC06  TAB160AX1C  1  WL4400100000  WL1310100000	1 FEEDER QTY  QTY  1 1 1 1 1 1 1 FEEDER QTY  1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 TOTAL QTY  1 1 1 1 1 1 1 1 1 1
6 2 A SR. NO.  1 2 3 4 5 6 7 B 1 2	INCOMING MCCB 125A  BOQDESCRIPTION  125A 4P 16kA MCCB (with Spreaders), TA Release (Adj Thermal & Fixed Magnetic), Type: TAB1  Spreader Terminals (4 Pole - Set of 8 Nos.) for 20-100A TAB1 MCCB  ROHM compact Door mounted for TAB1 MCCB  Red Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC  Green Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC  6A 1P 10kA C-Curve Techno MCB  Auxiliary Switch, Contacts: 1 C/O for TAB1 MCCB  METERING  Multifunction Meter (LED display), 3Ph, Parameters: V, A, F, PF, kW, kVA, Old energy, On hours, site selectable kWh/ kVAh, CL: 1, Aux Sup: 90-300V AC/DC, Size: 96X96  Ammeter with Inbuilt selector switch, 3Ph, Acc. CL: 1, Aux Supply: 80-300V AC, Size: 96X96	MAKE  HPL HPL HPL ESBEE ESBEE HPL HPL MAKE  L&T L&T L&T	### TAB160DX125AC4P  TAB160DX125AC4P  TAB1100ST4P  RHCT1ACPDM  EPLR240A  EPLG240A  NTSPC06  TAB160AX1C  1  WL4400100000  WL1310100000  WL1320100000	1 FEEDER QTY  1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 TOTAL QTY  1 1 1 1 1 1 1 1 1 1 1 1 1
6 2 A SR. NO.  1 2 3 4 5 6 7 B 1 2 3 4	INCOMING MCCB 125A  BOQDESCRIPTION  125A 4P 16kA MCCB (with Spreaders), TA Release (Adj Thermal & Fixed Magnetic), Type: TAB1  Spreader Terminals (4 Pole - Set of 8 Nos.) for 20-100A TAB1 MCCB  ROHM compact Door mounted for TAB1 MCCB  Red Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC  Green Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC  6A 1P 10kA C-Curve Techno MCB  Auxiliary Switch, Contacts: 1 C/O for TAB1 MCCB  METERING  Multifunction Meter (LED display), 3Ph, Parameters: V, A, F, PF, kW, kVA, Old energy, On hours, site selectable kWh/ kVAh, CL: 1, Aux Sup: 90-300V AC/DC, Size: 96X96  Ammeter with Inbuilt selector switch, 3Ph, Acc. CL: 1, Aux Supply: 80-300V AC, Size: 96X96  Voltmeter with Inbuilt selector switch, 3Ph, Acc. CL: 1, Aux Supply: 80-300V AC, Size: 96X96  Red Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	MAKE  HPL HPL HPL ESBEE ESBEE HPL HPL MAKE  L&T L&T L&T ESBEE	### TAB160DX125AC4P  TAB160DX125AC4P  TAB1100ST4P  RHCT1ACPDM  EPLR240A  EPLG240A  NTSPC06  TAB160AX1C  #### WL4400100000  WL1310100000  WL1320100000  EPLR240A	1 FEEDER QTY  1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 TOTAL QTY  1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
6 2 A SR. NO.  1 2 3 4 5 6 7 B 1 2 3 4 5 5 6 7 5 6 7 8	INCOMING MCCB 125A  BOQDESCRIPTION  125A 4P 16kA MCCB (with Spreaders), TA Release (Adj Thermal & Fixed Magnetic), Type: TAB1  Spreader Terminals (4 Pole - Set of 8 Nos.) for 20-100A TAB1 MCCB  ROHM compact Door mounted for TAB1 MCCB  Red Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC  Green Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC  6A 1P 10kA C-Curve Techno MCB  Auxiliary Switch, Contacts: 1 C/O for TAB1 MCCB  METERING  Multifunction Meter (LED display), 3Ph, Parameters: V, A, F, PF, kW, kVA, Old energy, On hours, site selectable kWh/ kVAh, CL: 1, Aux Sup: 90-300V AC/DC, Size: 96X96  Ammeter with Inbuilt selector switch, 3Ph, Acc. CL: 1, Aux Supply: 80-300V AC, Size: 96X96  Red Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC  Yellow Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	MAKE  HPL HPL HPL ESBEE ESBEE HPL HPL  MAKE  L&T  L&T  ESBEE ESBEE ESBEE	### TAB160DX125AC4P  TAB160DX125AC4P  TAB1100ST4P  RHCT1ACPDM  EPLR240A  EPLG240A  NTSPC06  TAB160AX1C  #### WL4400100000  WL1310100000  WL1320100000  EPLR240A  EPLY240A  EPLY240A	1 FEEDER QTY  1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 TOTAL QTY  1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
6 2 A SR. NO.  1 2 3 4 5 6 7 B 1 2 3 4	INCOMING MCCB 125A  BOQDESCRIPTION  125A 4P 16kA MCCB (with Spreaders), TA Release (Adj Thermal & Fixed Magnetic), Type: TAB1  Spreader Terminals (4 Pole - Set of 8 Nos.) for 20-100A TAB1 MCCB  ROHM compact Door mounted for TAB1 MCCB  Red Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC  Green Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC  6A 1P 10kA C-Curve Techno MCB  Auxiliary Switch, Contacts: 1 C/O for TAB1 MCCB  METERING  Multifunction Meter (LED display), 3Ph, Parameters: V, A, F, PF, kW, kVA, Old energy, On hours, site selectable kWh/ kVAh, CL: 1, Aux Sup: 90-300V AC/DC, Size: 96X96  Ammeter with Inbuilt selector switch, 3Ph, Acc. CL: 1, Aux Supply: 80-300V AC, Size: 96X96  Voltmeter with Inbuilt selector switch, 3Ph, Acc. CL: 1, Aux Supply: 80-300V AC, Size: 96X96  Red Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	MAKE  HPL HPL HPL ESBEE ESBEE HPL HPL MAKE  L&T L&T L&T ESBEE	### TAB160DX125AC4P  TAB160DX125AC4P  TAB1100ST4P  RHCT1ACPDM  EPLR240A  EPLG240A  NTSPC06  TAB160AX1C  #### WL4400100000  WL1310100000  WL1320100000  EPLR240A	1 FEEDER QTY  1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 TOTAL QTY  1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1





		1	AN 150 9001.2000 GENTIF	ILD GG.	i
	200/5A 5VA Acc. Cl: 1, ABS Insulated Bar Primary Ring Type Current				
8	Transformer, ID: 34mm	NIPPEN	NA KUTSD S	3	3
9	6 Sq.mm Disconnecting Terminal (Std. Color), Type: KUTSD 6	ELMEX	KUTSD 6	3	3
10	2A 1P 10kA C-Curve Techno MCB	HPL	NTSPC2	3 FEEDER	3
	OUTGOING AHU FAN MOTOR 5HP	MAKE	1	QTY	1
1	63A 3P 16kA MCCB, TA Release (Adj Thermal & Fixed Magnetic), Type : TAB1	HPL	TAB160DX063AC3P	1	1
2	Spreader Terminals (4 Pole - Set of 8 Nos.) for 20-100A TAB1 MCCB	HPL	TAB1100ST4P	1	1
	Voltmeter with Inbuilt selector switch, 3Ph, Acc. CL: 1, Aux Supply: 80-300V AC,				
3	Size: 96X96	L&T	WL1320100000	1	1
4	Ammeter with Inbuilt selector switch, 3Ph, Acc. CL: 1, Aux Supply: 80-300V AC, Size: 96X96	L&T	WL1310100000	1	1
5	Red Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	ESBEE	EPLR240A	1	1
6	Green Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	ESBEE	EPLG240A	1	1
7	AC3: 9A AC1: 20A 3P Power Contactor, Coil Voltage: 220V AC, Aux. contact: 1NO+1NC, Type: SDE-09	HPL	SDE0911A4	1	1
	7.0-10A Thermal Overload Relay, Aux. Contact: 1NO + 1NC, Contactor Type:	_			
8	SDE Contactor, Type: SDER25	HPL	SDER25/10.0	1	1
	Star Delta Timer, Time Setting: 3sec - 120sec, Voltage: 240V AC - 415V AC,				_
9	Contact: 1CO (Star) + 1CO (Delta)  SPP + Selectable Under Voltage+Selectable Over Voltage Relay ON Delay 0 -	GIC	14SDT1S	1	1
	15Sec, Phase 10% fixed Asymmetry, Voltage: 240 VAC,2 C/O, 3Ph/1Ph 4W,				
10	Type: SM500	GIC	MG73BH	1	1
11	1NO Contact Block	ESBEE	EC1C	1	1
12	1NC Contact Block	ESBEE	EC2C	1	1
13	Red Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	ESBEE	EPLR240A	1	1
14	Green Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	ESBEE	EPLG240A	1	1
15	Amber Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	ESBEE	EPLA240A	1	1
	6A 1P 2Way Local - Remote/ Auto-Manual Switch with Center OFF, 60 Deg.				
16	Operation	SALZER	61025SAB13	1	1
D	OUTGOING HEATER BANK	MAKE	1	FEEDER QTY	1
1	63A 3P 16kA MCCB, TA Release (Adj Thermal & Fixed Magnetic), Type: TAB1	HPL	TAB160DX063AC3P	1	1
2	Spreader Terminals (3 Pole - Set of 6 Nos.) for 20-100A TAB1 MCCB	HPL	TAB1100ST3P	1	1
3	20A 1PN 10kA C-Curve Techno MCB	HPL	NTSPNC20	6	6
	HUMIDIFIER	MAKE	1	FEEDER QTY	1
1	32A 4P 16kA MCCB, TA Release (Adj Thermal & Fixed Magnetic), Type: TAB1	HPL	TAB160DX032AC4P	1	1
2	Spreader Terminals (4 Pole - Set of 8 Nos.) for 20-100A TAB1 MCCB	HPL	TAB1100ST4P	1	1
F	WINTER HEATING CONTROLLING SYSTEM	MAKE	1	FEEDER QTY	1
1	CONTROLLING AND INTERLOCKING	REPUTED		1	1
S.N.	FABRICATION DETAILS	MAKE	TYPE/MATERIAL	QTY	UNIT
1	FABRICATION: 2.00MM 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: 50X50X6MM & 450MM	DVEPL	ISMC	1	JOB
	BUSBAR: PH: 1x20x5, N: 1X20X5,				
3	Material: Electrolytic grade COPPER Current Density: 1 Amp/Sq. mm	DVEPL	Copper	1	JOB
	Insulation: Color coded heat shrinkable Sleeves				
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





3	SR NO 51		BOARD QTY		
Α	INCOMING MCCB 400A		1	FEEDER QTY	1
SR. NO.	BOQDESCRIPTION	MAKE	CATALOG NUMBER	QTY	TOTAL QTY
	400A 4P 36kA MCCB (with Spreaders), TM Release (Adj Thermal & Adj				
1	Magnetic), Type : TAB3	HPL	TAB630NX400AC4P	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	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	3	3
7	400/5A 10VA Acc. Cl: 1, ABS Insulated Bar Primary Ring Type Current Transformer, ID: 60mm	NIPPEN	NA	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
С	OUTGOING MCCB 315A	MAKE	1	FEEDER QTY	1
	315A 4P 36kA MCCB (with Spreaders), TM Release (Adj Thermal & Adj	LUDI	TARCONIVOATACAR	4	4
1	Magnetic), Type: TAB3	HPL	TAB630NX315AC4P	1	1
2	Spreader Terminals (4 Pole - Set of 8 Nos.) for 315A TAB3 MCCB	HPL	TAB3315ST4P	1 FEEDER	1
D	OUTGOING MCCB 160A	MAKE	1	QTY	1
1	160A 4P 25kA MCCB (with Spreaders), TA Release (Adj Thermal & Fixed Magnetic), Type: TAB1	HPL	TAB160CY160AC4P	1	1
2	Spreader Terminals (4 Pole - Set of 8 Nos.) for 125-160A TAB1 MCCB	HPL	TAB1160ST4P	1	1
E	OUTGOING MCCB 125A	MAKE	1	FEEDER QTY	1
1	125A 4P 25kA MCCB (with Spreaders), TA Release (Adj Thermal & Fixed Magnetic), Type: TAB1	HPL	TAB160CY125AC4P	1	1
2	Spreader Terminals (4 Pole - Set of 8 Nos.) for 125-160A TAB1 MCCB	HPL	TAB1160ST4P	1	1
S.N.	FABRICATION DETAILS	MAKE	TYPE/MATERIAL	QTY	UNIT
1	FABRICATION: 2.00MM 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: 35X35X6MM & 500MM	DVEPL	ISMC	1	JOB
3	BUSBAR: PH: 1x60x10, N: 1X60X10  Material: Electrolytic grade Aluminum  Current Density: 1 Amp/Sq. mm  Insulation: Color coded heat shrinkable Sleeves	DVEPL	Aluminum	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





### **ANNEXURE - III**

### **PRICE SCHEDULE**

SR. NO.	DESCRIPTION OF ITEM	QTY	UNIT RATE (INR)	AMOUNT (INR)
1	SR NO 49	1	1,90,100.00	1,90,100.00
2	SR NO 50 AHU PANEL	1	69,600.00	69,600.00
3	SR NO 51	1	74,500.00	74,500.00
	TOTAL QUANTITY	3	TOTAL COST (INR)	3,34,200.00

In words: Rupees Three Lac Thirty Four Thousand Two Hundred Only

**NOTES:** 





### **ANNEXURE - IV**

### **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