



REF NO: **DVEPL/21-22/DVEPL 6121/R1** 2024

Date - 11-January-

TO.

M/s VIJAYPOWER GENERATORS LIMITED

DELHI

Kind Attn.: Mr. MANIK SHARMA

Mobile No.: 8383876982

Email ID: vijaypowerdelhi@gmail.com

Sub: QUOTATION FOR DG SYNC. PANEL

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





ANNEXURE - I

TECHNICAL SPECIFICATIONS

1. Material of Sheet:	CRCA sheet
2. Sheet thickness:	1.6 mm/2mm 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





<u>ANNEXURE - II</u>

BILL OF MATERIALS

1	DG SYNC PANEL		BOARD QTY		
Α	DG-1 INCOMER 1010kVA		1	FEEDER QTY	1
SR. NO.	BOQDESCRIPTION	MAKE	CATALOG NUMBER	QTY	TOTAL QTY
	1600A 3P 50kA Frame Size: 1 EDO ACB, Release: UW-MTX1.5G (LSING +	_			
1	Current Metering), Type: U-Power Omega	L&T	UW116NXD12900	1	1
2	Under Voltage Release with time delay (0-1-3-5 sec), Voltage: 240V AC	L&T	CL90818B000	1	1
3	AC3: 300A AC1: 500A 3P Power Contactor, Coil: 220V AC, Aux. Contact: 2NO+2NC, Type: MO 300	L&T	CS94440KOOO	1	1
В	METERING	MAKE	1	FEEDER	1
				QTY	
1	6A 1P 10kA, C-Curve MCB	L&T	BB10060C	4	4
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	Green Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	ESBEE	EPLG240A	1	1
6	Amber Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	ESBEE	EPLA240A	1	1
7	1600/5A Acc.Cl: 1 15VA Tape Wound Ring Type Current Transformer, Round Dia: 113mm	PROCOM	TWCT	3	3
	VAF + PF Meter, 3Ph, Parameters: VLL, VLN, A, F, PF, On Hrs, RPM, Apeak, Acc.				
8	CL: 1, Aux Supply: 80-300V AC/DC, Size: 96X96, Model: 4110	L&T	WL4110110000	1	1
9	6 Sq.mm Disconnecting Terminal (Std. Color), Type: KUTSD 6	ELMEX	KUTSD 6	4	4
10	32A Neutral Link with M 4 screw terminal & DMC PAD	PROCOM	PRO-NL-32A	4	4
11	25A Standard Mounting TNC Switch, AuxContact: 1NO+1NC	SALZER	73257SEB03PGYR	1	1
С	DG INCOMER-2 750 kVA	MAKE	1	FEEDER QTY	1
	1250A 3P 50kA Frame Size: 1 EDO ACB, Release: UW-MTX1.5G (LSING +				
1	Current Metering), Type: U-Power Omega	L&T	UW112NXD12900	1	1
2	Under Voltage Release with time delay (0-1-3-5 sec), Voltage: 240V AC	L&T	CL90818BOOO	1	1
3	AC3: 250A AC1: 400A 3P Power Contactor, Coil: 220V AC, Aux. Contact: 2NO+2NC, Type: MO 250	L&T	CS94441KOOO	1	1
D	DG-2 METERING	MAKE	1	FEEDER QTY	1
1	6A 1P 10kA, C-Curve MCB	L&T	BB10060C	4	4
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	Green Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	ESBEE	EPLG240A	1	1
6	Amber Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	ESBEE	EPLA240A	1	1
	1250/5A Acc.Cl: 1 20VA Nylon Housing UL 94-V2 Molded Rectangular Type				
7	Current Transformer, Size: 120x95mm	PROCOM	PRO9530B6215	3	3
	VAF + PF Meter, 3Ph, Parameters: VLL, VLN, A, F, PF, On Hrs, RPM, Apeak, Acc.				
8	CL: 1, Aux Supply: 80-300V AC/DC, Size: 96X96, Model: 4110	L&T	WL4110110000	1	1
9	6 Sq.mm Disconnecting Terminal (Std. Color), Type: KUTSD 6	ELMEX	KUTSD 6	4	4
10	32A Neutral Link with M 4 screw terminal & DMC PAD	PROCOM	PRO-NL-32A	4	4
11	25A Standard Mounting TNC Switch, AuxContact: 1NO+1NC	SALZER	73257SEB03PGYR	1	1
E	DG-3 INCOMER 380 kVA	MAKE	1	FEEDER QTY	1
	800A 3P 50kA Frame Size: 1 EDO ACB, Release: UW-MTX1.5G (LSING + Current				
1	Metering), Type: U-Power Omega	L&T	UW108NXD12900	1	1
2	Under Voltage Release with time delay (0-1-3-5 sec), Voltage: 240V AC	L&T	CL90818BOOO	1	1
3	AC3: 140A AC1: 250A 3P Power Contactor, Coil: 220V AC, Aux. Contact: 2NO+2NC, Type: MO 140	L&T	CS95000KOOO	1	1



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-	DC 2 METERING	NANKE	4	FEEDER	1
F	DG-3 METERING	MAKE	1	QTY	1
1	6A 1P 10kA, C-Curve MCB	L&T	BB10060C	4	4
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	Green Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	ESBEE	EPLG240A	1	1
6	Amber Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	ESBEE	EPLA240A	1	1
	800/5A Acc.Cl: 1 10VA Tape Wound Ring Type Current Transformer, Round Dia:				
7	85mm	PROCOM	TWCT	3	3
	VAF + PF Meter, 3Ph, Parameters: VLL, VLN, A, F, PF, On Hrs, RPM, Apeak, Acc.				
8	CL: 1, Aux Supply: 80-300V AC/DC, Size: 96X96, Model: 4110	L&T	WL4110110000	1	1
9	6 Sq.mm Disconnecting Terminal (Std. Color), Type: KUTSD 6	ELMEX	KUTSD 6	4	4
10	32A Neutral Link with M 4 screw terminal & DMC PAD	PROCOM	PRO-NL-32A	4	4
11	25A Standard Mounting TNC Switch, AuxContact: 1NO+1NC	SALZER	73257SEB03PGYR	1	1
11	25A Standard Mounting The Switch, Adxeomact. 1NO+1NC	JALZEN	732373LB03FGTK	FEEDER	
G	OUTGOING ACB 2500A FP	MAKE	1	QTY	1
	2500A 4P 50kA Frame Size: 2 EDO ACB, Release: UW-MTX1.5G (LSING +				
1	Current Metering), Type: U-Power Omega	L&T	UW225NFD12900	1	1
2	Under Voltage Release with time delay (0-1-3-5 sec), Voltage: 240V AC	L&T	CL90818BOOO	1	1
3	6A 1P 10kA, C-Curve MCB	L&T	BB10060C	4	4
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	Green Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	ESBEE	EPLG240A	1	1
8	Amber Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	ESBEE	EPLA240A	1	1
	2500/5A Acc.Cl: 1 15VA Resin Cast Rectangular Type Current Transformer, Size:		-		
9	155x50mm	PROCOM	RCT	3	3
	VAF + PF Meter, 3Ph, Parameters: VLL, VLN, A, F, PF, On Hrs, RPM, Apeak, Acc.		1.2.	_	
10	CL: 1, Aux Supply: 80-300V AC/DC, Size: 96X96, Model: 4110	L&T	WL4110110000	1	1
11	6 Sq.mm Disconnecting Terminal (Std. Color), Type: KUTSD 6	ELMEX	KUTSD 6	4	4
12	32A Neutral Link with M 4 screw terminal & DMC PAD	PROCOM	PRO-NL-32A	4	4
13	25A Standard Mounting TNC Switch, AuxContact: 1NO+1NC	SALZER	73257SEB03PGYR	1	1
	6A 2P 2Way Local - Remote/ Auto-Manual Switch with Center OFF, 60 Deg.	641750	6400664840		
14	Operation Operation	SALZER	61026SAB13	1	1
15	4A Auxiliary Contactor, Coil: 240V AC, Aux. Contact: 2NO+2NC, Type: MX0 22E	L&T	CS94020BOOO	2	2
16				1	1
н	INTERLOCKING & DG SYNCHRONIZING	MAKE	1	FEEDER	1
				QTY	
1	6A 2P 10kA, C-Curve MCB	L&T	BB20060C	4	4
2	DG Synchronizing Controller	WOODWARD / DIEF		3	3
3	PLC for Interlocking	SCHNEIDER / FEUJI		1	1
4	4A Auxiliary Contactor, Coil: 240V AC, Aux. Contact: 4NC, Type: MX0 04E	L&T	CS94042BOOO	3	3
5	4A Auxiliary Contactor, Coil: 240V AC, Aux. Contact: 4NO, Type: MX0 40E	L&T	CS94018BOOO	3	3
6	4NO Add-on Auxiliary Contact Block Front Mounting for MX0 Aux. Contactors	L&T	CS94033	3	3
7	4NC Add-on Auxiliary Contact Block Front Mounting for MX0 Aux. Contactors	L&T	CS94037	3	3
S.N.	FABRICATION DETAILS	MAKE	TYPE/MATERIAL	QTY	UNIT
	PANEL ENCLOUSER: 2400MM (W) x 2000 + 75MM (H) x 800MM (D)				
	FABRICATION: 14/16 SWG CRCA Sheet				
	PRE TREATMENT: 7 TANK PROCESS				
1	PAINTING: POWDER COATED WITH SIEMENS GREY SHED (RAL 7032)	DVEPL	MS/CRCA	1	JOB
	TYPE: INDOOR TYPE, FREE FLOOR RESTING, FIX TYPE, SINGLE FRONT,				
	COMPARTMENTLISED DESIGN, SINGLE DOOR				
	CABLE ENTRY: TOP/BOTTOM (DETACHABLE GLAND PLATE UNDRILLED)				
2	BASE FRAME: 75MM	DVEPL	ISMC	1	JOB
	BUSBAR: PH: 3x100x10, N: 3X100X10, E: 1X40X10				
	Material: Electrolytic grade Aluminum	D. 1751			
3	Current Density: 1 Amp/Sq. mm	DVEPL	Aluminum	1	JOB
	Insulation: Color coded heat shrinkable Sleeves				
4	Insulation: Color coded heat shrinkable Sleeves WIRING HARNESS (METERING STARTERS)	DVEPL	CU- WIRE	1	LOT



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6	LABOUR	DVEPL		1	JOB
2	AUDITORIUM DISTRIBUTION PANEL		BOARD QTY		
Α	MAIN INCOMER		1	FEEDER	1
SR.	BOQDESCRIPTION	MAKE	CATALOG NUMBER	QTY	TOTAL
NO.	1250A 4P On Load Manual Changeover Switch - Disconnector with 2 C/O,				QTY
1	Frame-6, Type: CO6-1250, Open Execution	L&T	CO612500000	1	1
2	2A 1P 10kA, C-Curve MCB	L&T	BB10020C	4	4
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	1250/5A Acc.Cl: 1 20VA Nylon Housing UL 94-V2 Molded Rectangular Type Current Transformer, Size: 120x95mm	PROCOM	PRO9530B6215	3	3
_	VAF + PF Meter, 3Ph, Parameters: VLL, VLN, A, F, PF, On Hrs, RPM, Apeak, Acc.				
7	CL: 1, Aux Supply: 80-300V AC/DC, Size: 96X96, Model: 4110	L&T	WL4110110000	1	1
8	6 Sq.mm Disconnecting Terminal (Std. Color), Type: KUTSD 6	ELMEX	KUTSD 6	4	4
9	32A Neutral Link with M 4 screw terminal & DMC PAD	PROCOM	PRO-NL-32A	4	4
В	OUTGOING MCCB 630A FP	MAKE	1	FEEDER QTY	1
1	630A 4P 36kA MCCB TM Release, Type: DN3-630D, 415V AC, 50Hz	L&T	CM9410600T10G	1	1
2	Extended Rotary Handle for DN3B, DN3 MCCB	L&T	CM998610000	1	1
3	Spreader Terminals - 4 Pole (Set of 8) for DN3-630 MCCB	L&T	CM920040000	1	1
	Auxiliary Contact 1 C/O + Trip Alarm Contact 1 C/O - Right for DN2,				
4	DN3B,DN3,DN4 MCCB	L&T	CM998040000	1	1
5	2A 1P 10kA, C-Curve MCB	L&T	BB10020C	1	1
6	Red Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	ESBEE	EPLR240A	1	1
7	Green Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	ESBEE	EPLG240A	1	1
8	32A Neutral Link with M 4 screw terminal & DMC PAD	PROCOM	PRO-NL-32A	1	1
9	40kA 3P+N, 2 Module, Type 2 Surge Protection Device	Std	Std	1	1
С	OUTGOING MCCB 250A FP	MAKE	1	FEEDER QTY	2
1	250A 4P 36kA MCCB TM Release, Type: DN2-250D, 415V AC, 50Hz	L&T	CM9210900P10G	1	2
2	Extended Rotary Handle for DN2 MCCB	L&T	CM998300000	1	2
3	Spreader Terminals - 4 Pole (Set of 8) for DN1, DN2-250 MCCB	L&T	CM920070000	1	2
4	Auxiliary + Trip Alarm Contact 1CO+1CO - Right for DU250/DU250C MCCB	L&T	CM978900000	1	2
5	2A 1P 10kA, C-Curve MCB	L&T	BB10020C	1	2
6	Red Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	ESBEE	EPLR240A	1	2
7	Green Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	ESBEE	EPLG240A	1	2
8	32A Neutral Link with M 4 screw terminal & DMC PAD	PROCOM	PRO-NL-32A	1	2
9	40kA 3P+N, 2 Module, Type 2 Surge Protection Device	std	Std	1	2
D	OUTGFOING MCCB 125A FP	MAKE	1	FEEDER QTY	1
1	125A 4P 25kA MCCB TM Release, Type: DN1-250C, 415V AC, 50Hz	L&T	CM9064200L0	1	1
2	Extended Rotary Handle for DN1 MCCB	L&T	CM980410000	1	1
3	Spreader Terminals - 4 Pole (Set of 8) for DN1, DN2-250 MCCB	L&T	CM920070000	1	1
4	Auxiliary Contact 1 C/O + Trip Alarm Contact 1 C/O - Right for DNO, DN1 MCCB	L&T	CM978900000	1	1
5	2A 1P 10kA, C-Curve MCB	L&T	BB10020C	1	1
6	Red Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	ESBEE	EPLR240A	1	1
7	Green Gen Next Pro LED Indicator 22.5 mm, Voltage: 240V AC	ESBEE	EPLG240A	1	1
8	32A Neutral Link with M 4 screw terminal & DMC PAD	PROCOM	PRO-NL-32A	1	1
9	40kA 3P+N, 2 Module, Type 2 Surge Protection Device	std	std	1	1
S.N.	FABRICATION DETAILS	MAKE	TYPE/MATERIAL	QTY	UNIT
1	PANEL ENCLOUSER: 12000MM (W) x 1500 + 75MM (H) x 400MM (D) FABRICATION: 14/16 SWG 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,	DVEPL	MS/CRCA	1	JOB



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Ì	2	BASE FRAME: 75MM	DVEPL	ISMC	1	JOB
		BUSBAR: PH: 2x80x10, N: 2X80X10, E: 1X40X5				
	2	Material: Electrolytic grade Aluminum	DVEPL	Aluminum	1	JOB
	3	Current Density: 1 Amp/Sq. mm				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







ANNEXURE - III

PRICE SCHEDULE

SR.	DESCRIPTION OF ITEM	QTY	UNIT RATE (INR)	AMOUNT (INR)
NO.				
1	DG SYNC PANEL	1	11,19,200.00	11,19,200.00
2	AUDITORIUM DISTRIBUTION PANEL	1	2,26,600.00	2,26,600.00
	TOTAL QUANTITY	2	TOTAL COST (INR)	13,45,800.00

In words: Rupees Thirteen Lac Forty Five Thousand Eight 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