

NOTE: 1. DRAWING APPROVAL SUBJECT TO VALID TYPE TEST REPORTS, TO BE CHECKED DURING ACCEPTANCE TESTS
2. FOR EPC CONTRACTS ONLY



GREEN SECURE ENERGY SYSTEMS,.

PT/CVT JUNCTION BOX FOR 220kV/132kV

Customer	: M/s. APTRANSCO		
Project Name	: AS APPLICABLE	Drawing approval subject to valid vendor registration	
CONTACTOR	: AS APPLICABLE		
Manufacturer	: M/s. Green Secure Energy Systems		
P.O. No.	: AS APPLICABLE		
Job No.	: AS APPLICABLE		
Drawing No.	: GSS-PT/CVTMB-STD		
Quantity	: AS APPLICABLE		
		Chief Engineer/Projects APTRANSCO/VIS/Vijayawada.	
Drawn By Praveen M	Checked By Bhaskar	Approved By Jothiswar	Total no. of pages 04

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R4	23.09.2022	REVISED AS PER CUSTOMER COMMENTS ON 23.09.2022	RC
R3	23.09.2022	REVISED AS PER CUSTOMER COMMENTS ON 23.09.2022	RC
R2	03.08.2022	REVISED AS PER CUSTOMER COMMENTS	BB
R1	25.07.2022	REVISED AS PER CUSTOMER COMMENTS	BB

TITLE		PT/CVT JUNCTION BOX FOR 220kV/132kV/33kV		DRN	PM	SCALE	NA
				CHD	BB	DATE	16.06.2022
PAGE TYPE		COVER SHEET		APPD	JR	SHEET NO.	
				DRAWING No.		01	OF 04
				GSS-PT/CVTMB-STD	REV.	R4	

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SH.NO.	DESCRIPTION	SHEET NO.	REV. No.
01	COVER SHEET	01 OF 04	R4
02	TABLE OF CONTENT	02 OF 04	R4
03	GENERAL ARRANGEMENT	03 OF 04	R4
04	GENERAL NOTES	04 OF 04	R4

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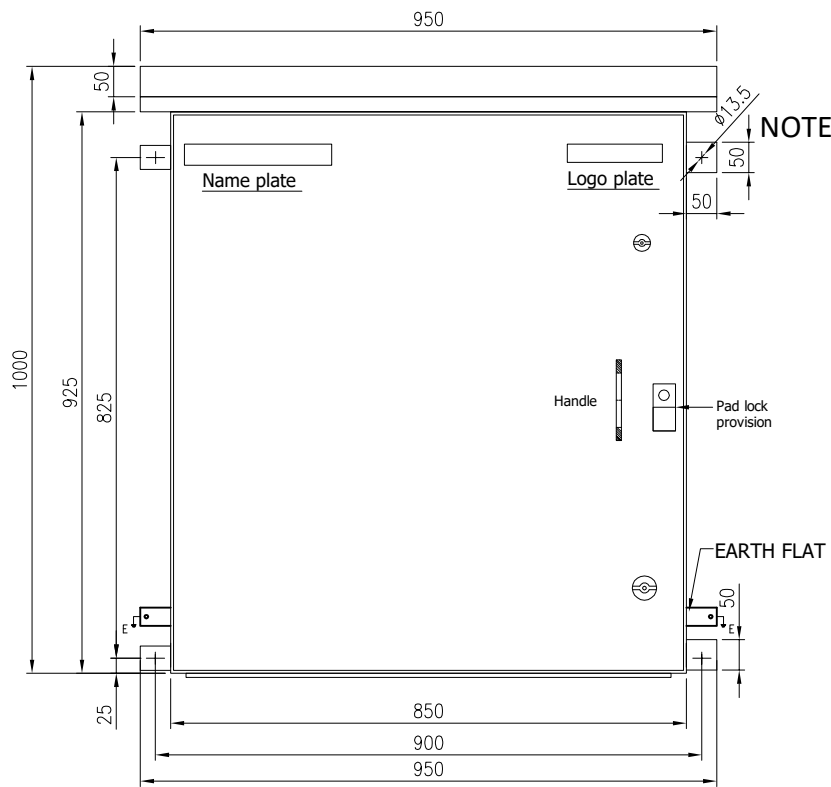
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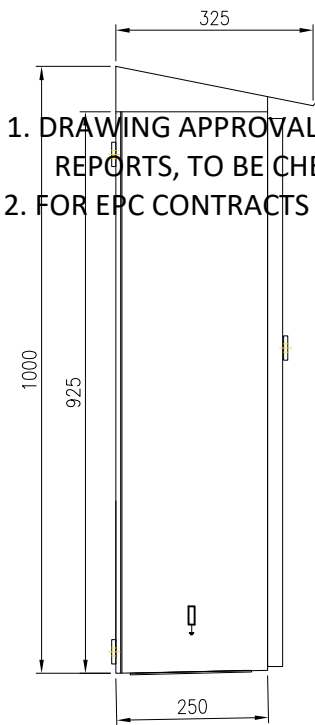
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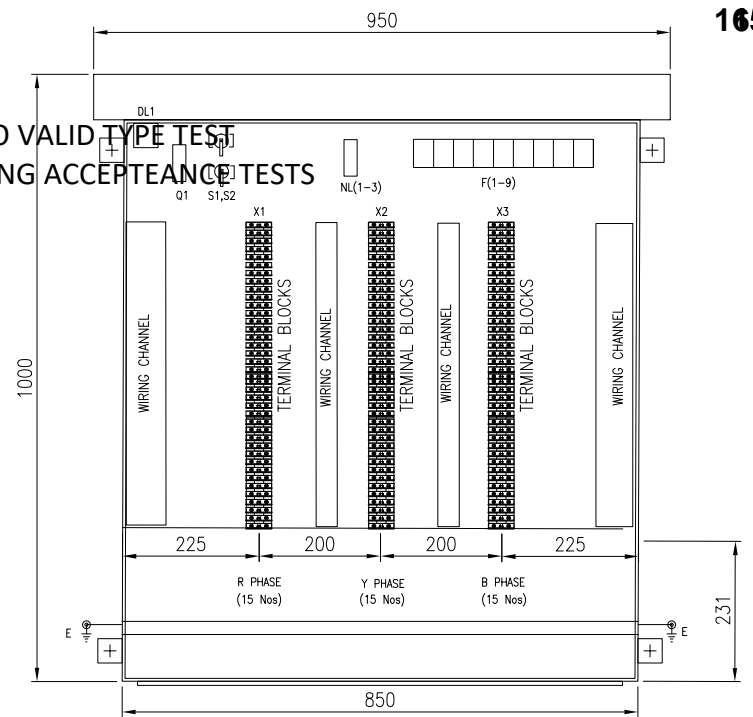


FRONT VIEW



SIDE VIEW

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FRONT VIEW WITHOUT DOOR

BILL OF MATERIALS :

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SI. No.	TAG	SPECIFICATION	MAKE	UOM	QTY
1	DL	DOOR LAMP 230V AC, 5 WATTS	PHILIPS/ANCHOR	NOS	1
2	DLS	DOOR LIMIT SWITCH NC-(Refring Switch), 230V AC	SURAJ/REPUTED	NOS	1
3	S1,S2	TOGGLE SWITCH-PM-SPST-ON/OFF-10A, 230V AC	SURAJ/REPUTED	NOS	1
4	NL	DISCONNECTING TYPE NEUTRAL LINK	SURAJ/REPUTED	NOS	3
5	FUSE	HRC FUSE 4A.	L&T/C&S	NOS	10
6	FUSE	FUSE BASE.	L&T/C&S	NOS	10
7	MCB	MINIATURE CIRCUIT BREAKER 10A, TP, 10KA.	L&T/ABB/SIEMENS	NOS	1
8	TB	TERMINAL BLOCK DISCONNECTING TYPE 6SQMM. END PLATES WITH STOPPER SHALL BE PROVIDED AT BOTH THE END OF TB COLUMN	CONNECTWELL/ELMEX	NOS	45

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- DL-1 Door Lamp-CFL-5W-230V AC
- DS1-PB-Door Lamp-NC-(Refring Switch)
- S1,2-Toggle Switch-PM-SPST-ON/OFF-10A
- N(1-3)-Disconnecting type Neutral link
- F(1-9)- HRC Fuse with base
- Q1-MCB-16A-2P-10KA-C curve
- X1,X2,X3-Terminals Blocs (Disconnecting Type)

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TITLE: **PT/CVT JUNCTION BOX FOR 220kV/132kV/33kV**

PAGE TYPE: **GENERAL ARRANGEMENT**

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THIS SPECIFICATION COVERS A PART OF ELECTRICAL EQUIPMENT INCLUDING DESIGN MANUFACTURING, TEST AT SHOP AND LOADING FOR SHIPMENT ETC SPECIFIED HERE IN AFTER.		
CLASSIFICATION	PROJECT	<input checked="" type="checkbox"/> DOMESTIC
APPLICABLE STANDARDS	IS	<input checked="" type="checkbox"/> IS:3427
NORMAL SERVICE CONDITION	ALTITUDE	: < 1000M
	AMBIENT TEMPERATURE	: 50°C
	RELATIVE HUMIDITY	: 90%
STRUCTURE	MATERIAL	<input checked="" type="checkbox"/> CRCA
	TYPE OF APPLICATION	<input checked="" type="checkbox"/> INDOOR
	THICKNESS	<input checked="" type="checkbox"/> 2MM
	GLAND PLATE	<input checked="" type="checkbox"/> CRCA
	THICKNESS	<input checked="" type="checkbox"/> 3MM
	TYPE OF MOUNTING	<input checked="" type="checkbox"/> WALL MOUNTING
	DEGREE OF PROTECTION	<input checked="" type="checkbox"/> IP : 55
	ACCESSIBILITY	<input checked="" type="checkbox"/> FRONT
	PAINT SHADE	<input checked="" type="checkbox"/> 631 OF IS-5 POWDER COATING
	PAINT THICKNESS	<input checked="" type="checkbox"/> 60-80 MICRONS
ENCLOSURE DIMENSION	<input checked="" type="checkbox"/> 1000(H) x 850(W) x 250(D)	
WEIGHT OF ENCLOSURE	<input checked="" type="checkbox"/> APPROX. 45 KG'S.	
CABLE ENTRY DETAILS:	INCOMING CABLE ENTRY	<input checked="" type="checkbox"/> BOTTOM
	OUTGOING CABLE EXIT	<input checked="" type="checkbox"/> BOTTOM
EARTHING	ENCLOSURE EARTHING	: SUITABLE EARTHING BOLTS WILL BE PROVIDED. 2 NOS WITH PLAIN AND SPRING WASHERS.
	DOOR EARTHING	: 2.5 SQ.MM GREEN STRIPPED YELLOW COLOUR CABLE
NAME PLATE DETAILS	COLOUR OF BACKGROUND	<input checked="" type="checkbox"/> BLACK
	COLOUR OF LETTERS	<input checked="" type="checkbox"/> WHITE
	MATERIAL	<input checked="" type="checkbox"/> ANNOXISED ALUMINIUM
INSPECTION & TEST		<input checked="" type="checkbox"/> VISUAL INSPECTION
		<input checked="" type="checkbox"/> DIMENSION VERIFICATION
		<input checked="" type="checkbox"/> BOM VERIFICATION
LANGUAGES		<input checked="" type="checkbox"/> ENGLISH
PACKING		<input checked="" type="checkbox"/> BLUE SHEET AND BUBBLE SHEET PACKING SUITABLE FOR ROAD TRANSPORT
NOTES: FOR ENCLOSURE THICKNESS 1. FOR LOADING MEMBER- 2 MM 2. FOR NON-LOADING MEMBER- 2 MM 3. PROTECTION FOR PANEL - IP : 55		

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