

Drawing approval subject to valid vendor registration

LTAC PANEL


END USER : M/s. APTRANSCO
 CUSTOMER : AS APPLICABLE
 PURCHASE ORDER No. : AS APPLICABLE
 QTY : AS APPLICABLE
 DRAWING NO. : GSS-2021-015-LTAC

SH.NO.	DESCRIPTION	SHEET NO.	REV. No.
01	COVER & INDEX SHEET	01 OF 04	R4
02	GENERAL ARRANGEMENT	02 OF 04	R4
03	SINGLE LINE DIAGRAM	03 OF 04	R4
04	BILL OF METERIAL	04 OF 04	R4

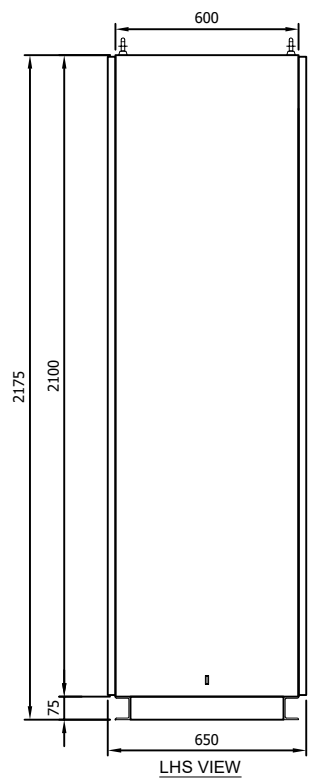
NOTE: 1. DRAWING APPROVAL SUBJECT TO VALID TYPE TEST REPORTS, TO BE CHECKED DURING ACCEPTANCE TESTS
 2. FOR EPC CONTRACTS ONLY

**Chief Engineer/Projects
 APTRANSCO/VS/Vijayawada.**

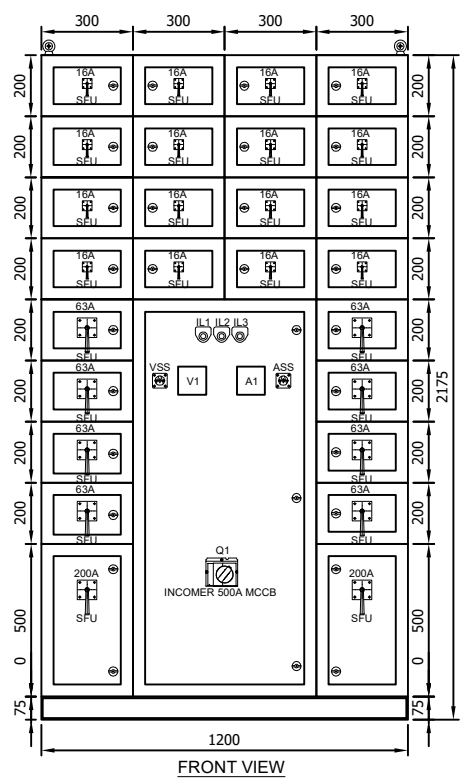
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					 GREEN SECURE ENERGY SYSTEMS,.	DRN	KCR	SCALE	NA
R4	03.10.2022	REVISED AS PER CUSTOMER COMMENTS 27.09.2022	RC			CHD	BB	DATE	25.04.2022
R3	23.09.2022	REVISED AS PER CUSTOMER COMMENTS 23.09.2022	RC		TITLE 415V LT AC PANEL PAGE TYPE COVER & INDEX SHEET	APPD	JR	SHEET NO.	
R2	16.09.2022	REVISED AS PER CUSTOMER COMMENTS 16.09.2022	RC			DRAWING No.	01 OF 04		
R1	08.09.2022	REVISED AS PER CUSTOMER COMMENTS 22.08.2022	RC			GSS-2021-015-LTAC	REV.	R4	
ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE SPECIFIED.									

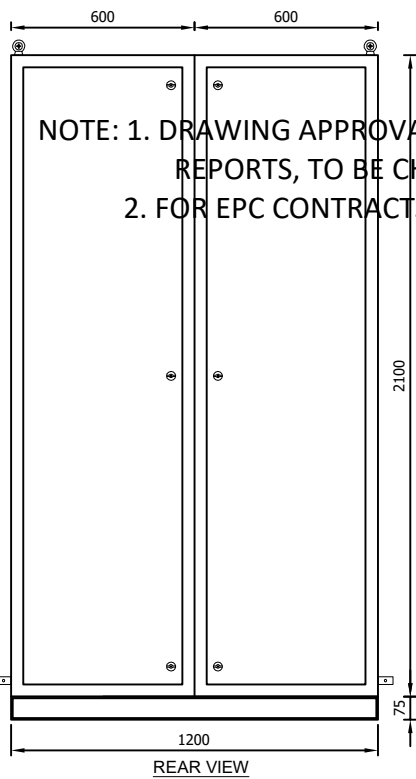
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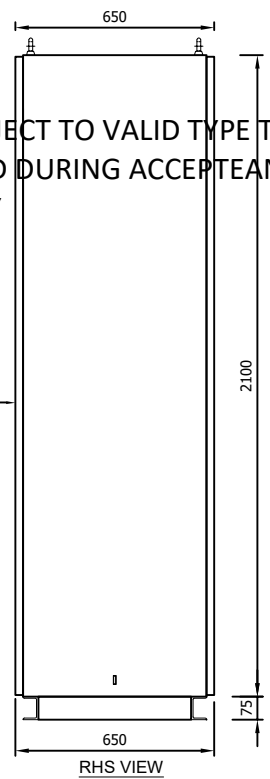
LHS VIEW



FRONT VIEW

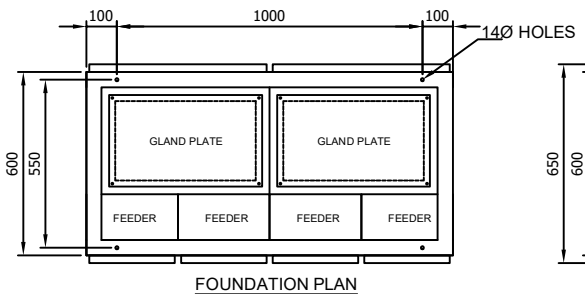


REAR VIEW

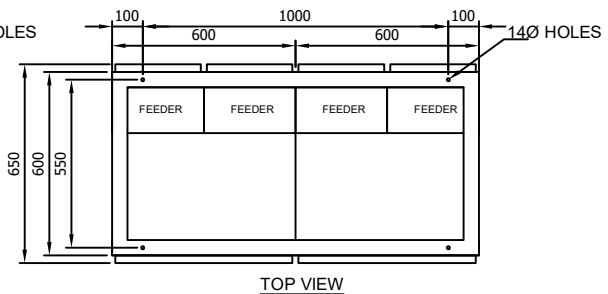


RHS VIEW

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FOUNDATION PLAN



TOP VIEW

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- NOTE:
1. PANEL SHALL BE FABRICATED WITH 2mm CRCA SHEET
 2. IP PROTECTION : IP42
 3. PANEL COLOUR : 631 OF IS-5 POWDER COATING
 4. BUSBAR SUPPORT SHALL BE PROVIDED (FRP)
 5. BARRIER SHALL BE PROVIDED
 6. PHASE TO PHASE CLEARANCE-AS PER IS
 7. PHASE TO NEUTRAL CLEARANCE-AS PER IS

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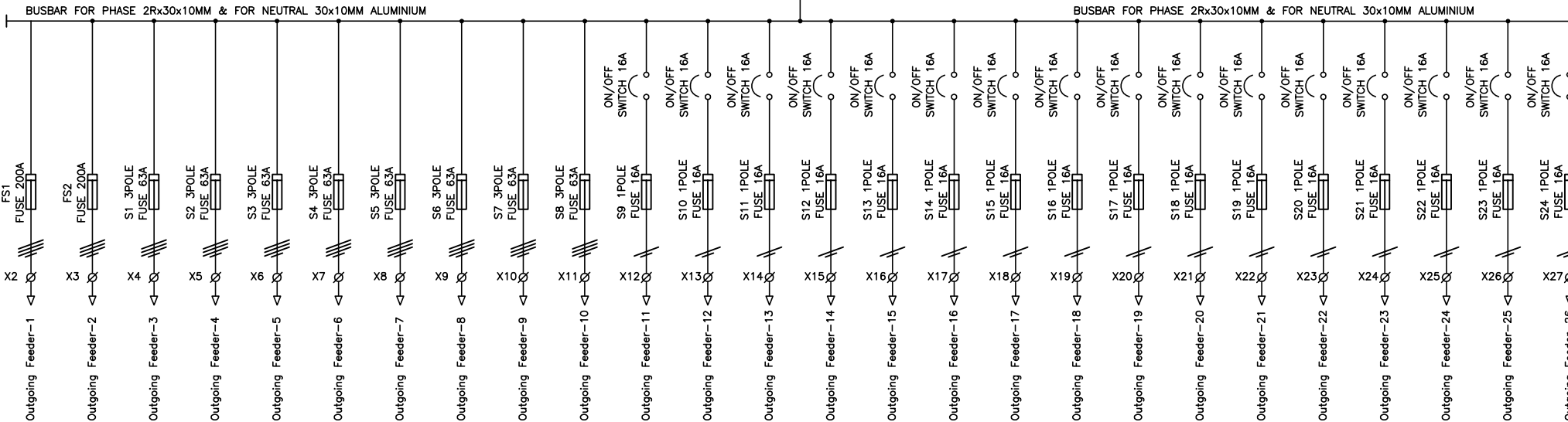
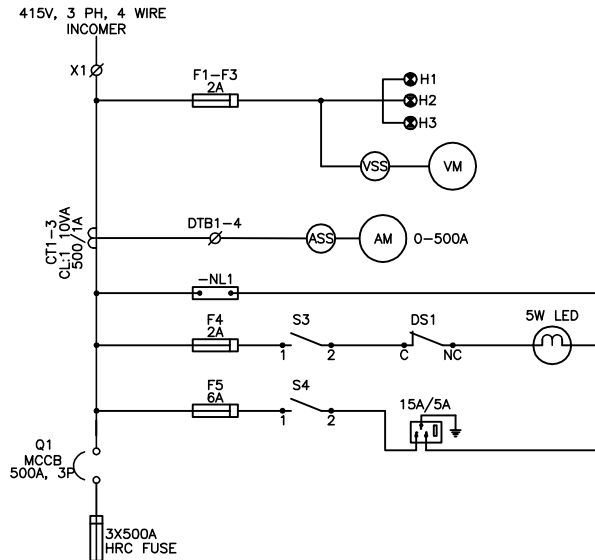
	415V LT AC PANEL		DRN	KCR	SCALE	NA
	GENERAL ARRANGEMENT		APPD	JR	SHEET NO. 02 OF 04	
TITLE	PAGE TYPE	GENERAL ARRANGEMENT	GSS-2021-015-LTAC	REV.	R4	

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NOTE :-
16A - 2.5sq mm Copper Cable
63A - 16sq mm Copper Cable
500A - Aluminium Busbar
Earth - 25x3mm Copper Busbar

200amps-35Sqmm copper 2numbers

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	PAGE TYPE	SINGLE LINE DIAGRAM	APPD	JR	DATE	25.04.2022
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BIL OF MATERIALS
INCOMER :

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162
650

SI. No.	Tag	Specification	Make	UOM	Quantity
1	Q1	MCCB 415V, 500A, 36 kA, 3P+NL, WITH SPREDERS AND RHOM	C&S/L&T	Nos	
2	HRC FUSE	HRC FUSE -500A	C&S/L&T	Nos	3
3	A1	AC Ammeter - 0-500/5A, Acc.1%, 90D , 96Sq mm	C&S/L&T	Nos	1
4	V1	AC Voltmeter - 0-500V - 1.0% - 96 - A90D	C&S/L&T	Nos	1
5	T1-3	CT - 500/5A - 10VA - CL1	Kalpa	Nos	3
6	H1	Clustered LED-assly-240V AC -22.5mm Red	TECKNIC	Nos	1
7	H2	Clustered LED-assly-240V AC -22.5mm Yellow	TECKNIC	Nos	1
8	H3	Clustered LED-assly-240V AC -22.5mm Blue	TECKNIC	Nos	1
9	ASS	AMMETER SELECTOR SWITCH 5 POSITION 10A	SALZER	Nos	1
10	VSS	VOLTMETER SELECTOR SWITCH 6 WAY 10A	SALZER	Nos	1

OUTGOING - 1,2

1	FS1	Fuse sw-200A-3P+N On/OFF - CTF - Bolt Type WITH HRC FUSE SET	C&S/L&T	Nos	2
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OUTGOING - 3-10

1	F5	Rotary Switch - 63A - 3P - ON/OFF-AC WITH HRC FUSE SET	C&S/L&T	Nos	8
2	TB	TERMINAL BLOCK FOR 63A FEEDER INCLUDING SPARE	PHOENIX	Nos	32+6

OUTGOING - 11-26

1	F13	Rotary switch - 16A - 1P - ON/OFF - AC DC	C&S/L&T	Nos	16
2	F13	Fuse Base - 20A - 1P	C&S/L&T	Nos	32
3	F13	HRC FUSE 16A	C&S/L&T	Nos	16
4	NL	NEUTRAL LINKS 16A	C&S/L&T	Nos	16
5	TB	TERMINAL BLOCK FOR 16A FEEDER INCLUDING SPARE	PHOENIX	Nos	32+6


LIGHTING

1	S(3-4)	Toggle Switch - pm - SPST - ON / OFF - 10A	REPUTED	Nos	2
2	SC1	Socket - 3 Pin - 5A	Anchor	Nos	1
3	PB	PB Door Lamp - NC (Refrig Switch)	STD	Nos	1
4	PL	Doorlamp - 5W -230V AC	Philips	Nos	1
5	DLS	DOOR LIMIT SWITCH	SIEMENS	Nos	1
6	FUSE	CONTROL FUSE-6A	REPUTED	Nos	1
7	FUSE	CONTROL FUSE-2A	REPUTED	Nos	2
8	GLAND	CABLE GLAND FOR INCOMING AND OUTGOING	REPUTED	Nos	30

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