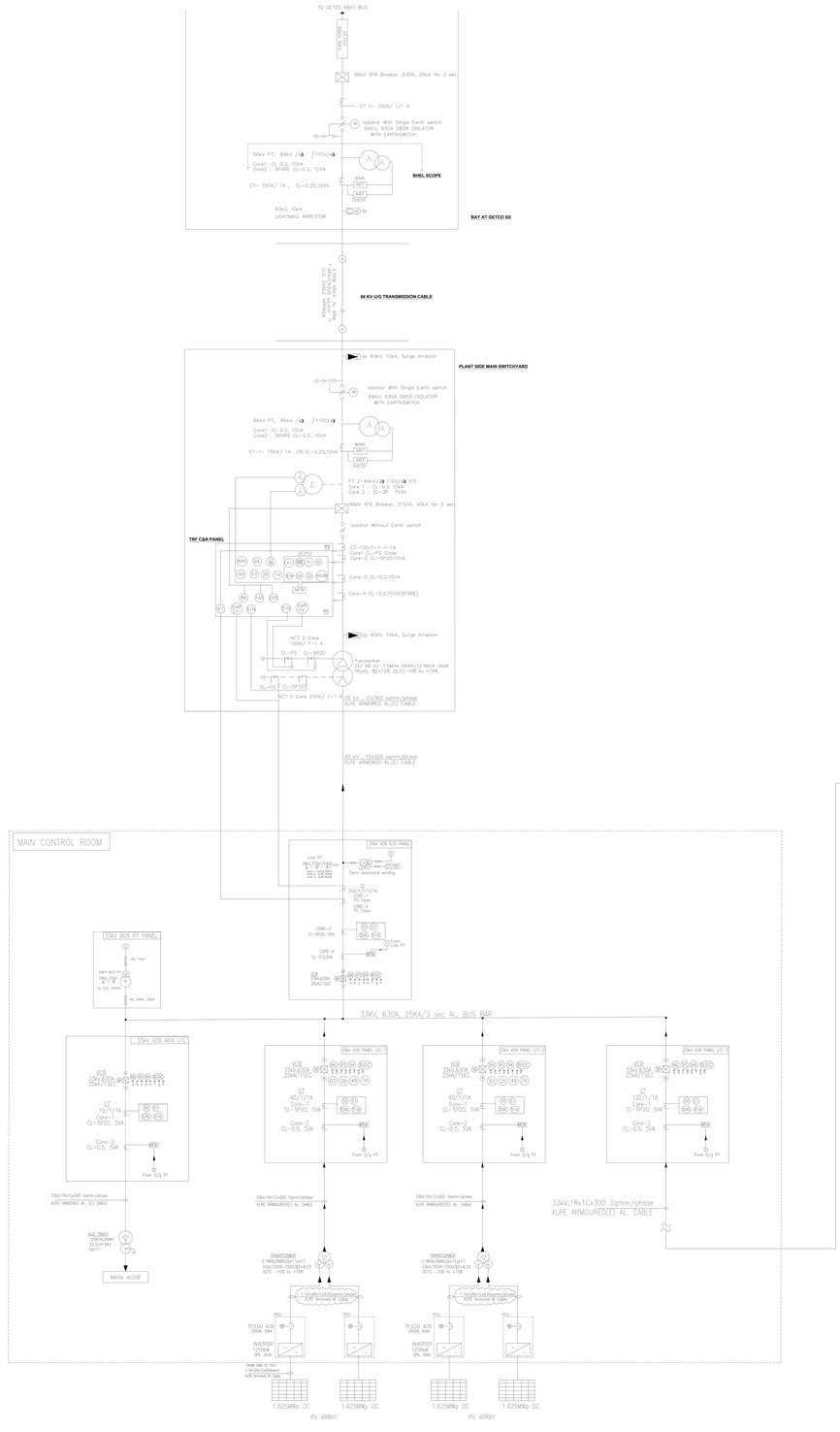
FIRST ANGLE PROJECTION

ALL DIMENSIONS ARE IN mm

DRAWING NO. BHEL-GNFC-ACSLD-10MW



LEGEND DETAILS

SL. NO.	SYMBOL	DESCRIPTION
1		INVERTER TRANSFORMER / POWER TRANSFORMER
2	M	VCB 33kV,630A
3		66 kV SF6 BREAKER
4	86	MASTER TRIP RELAY
5	95 195 295	TRIP CIRCUIT SUPERVISION RELAY
6	94	ANTI PUMPING RELAY
7	63	BUCHHOLZ RELAY
8	26	MAGNETIC OIL LEVEL GAUGE
9	49	WINDING TEMP INDICATOR AND OIL TEMP INDICATOR
10	74	PRESSURE RELIEF DEVICE
11	50	INST OVER CURRENT RELAY
12	51	IDMT OVER CURRENT RELAY
13	50N	NEUTRAL INSTANTANEOUS OVER CURRENT RELAY
14	51N	IDMT EARTH FAULT RELAY
15	MFM	MULTI FUNCTION METER
16		CURRENT TRANSFORMER
17	27	UNDER VOLTAGE RELAY
18	59	OVER VOLTAGE RELAY
19		POTENTIAL TRANSFORMER
20		FUSE
21	TVM	ABT TARIFF ENERGY METER
22	80DC	DC FAILURE INDICATION
23		INVERTER, 1250KW
24	M	ELECTRICALLY DRAW OUT ACB
25		LIGHTENING ARRESTER
26	64RLV	RESTRICTED EARTH FAULT RELAY (LV SIDE)
27	87T	TRANSFORMER DIFFERENTIAL RELAY
28	30	ANNUNCIATOR RELAY
29	50LBB	LOCAL BREAKER BACKUP PROTECTION
30	95	TRIP CIRCUIT SUPERVISION RELAY
31	87L	LINE DIFFERENTIAL PROTECTION RELAY
32	67	DIRECTIONAL OVER CURRENT RELAY
33	21	DISTANCE PROTECTION RELAY
34		ISOLATOR WITH DOUBLE EARTH SWITCH
35		ISOLATOR WITH SINGLE EARTH SWITCH
36		ISOLATOR
37		33KV, 630A, ISOLATOR
38	80DC	DC CIRCUIT SUPERVISION RELAY
39	94	ANTI PUMPING RELAY
40	A	AMMETER
41	V	VOLTMETER
42		POWER TRANSFORMER
43		LIGHTNING ARRESTOR
44		630A VCB
45	TVM	TRI VECTOR METER
46	81	DC SUPERVISION RELAY
47	78	PHASE-ANGLE MEASURING REALY
48	*	INTEGRATED RELAY FOR:50N,51N.
49	$	INTEGRATED RELAY FOR:27,29.
50	&	RS 485WITH MODBUS COMM.

REV.	DATE	ALTERED / CHECKED / APPROVED
01	250619	ALTERED SAN; CHECKED SA; APPROVED SA — PV ARRAY DC CAPACITY REVISED.
00		ALTERED / CHECKED / APPROVED — FIRST ISSUE

	NAME	SIGN	DATE
DRAWN	SAN		21.06.19
CHECKED	SA		21.06.19
APPROVED	SA		21.06.19

DISTRIBUTION OF PRINTS

DEPT.	CODE
SC&PV	4.59

PROJECT : 10MW SOLAR POWER PLANT
CUSTOMER : GNFC

BHARAT HEAVY ELECTRICALS LIMITED.
ELECTRONICS DIVISION, BANGALORE

TITLE: AC SINGLE LINE DIAGRAM

No. OF SHEETS: 01
SHEET No.: 01
REV.: 00

BHEL DRG. No. BHEL-GNFC-ACSLD-10MW

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SIGN & DATE
REF. DRG.NO.
INVENTORY NO.

A0 SIZE