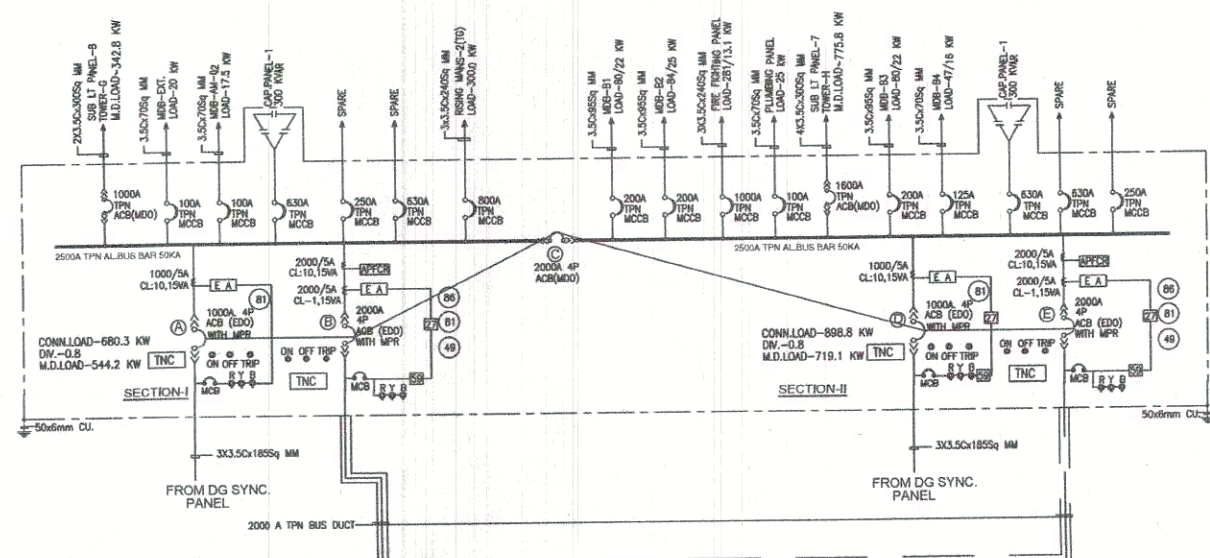
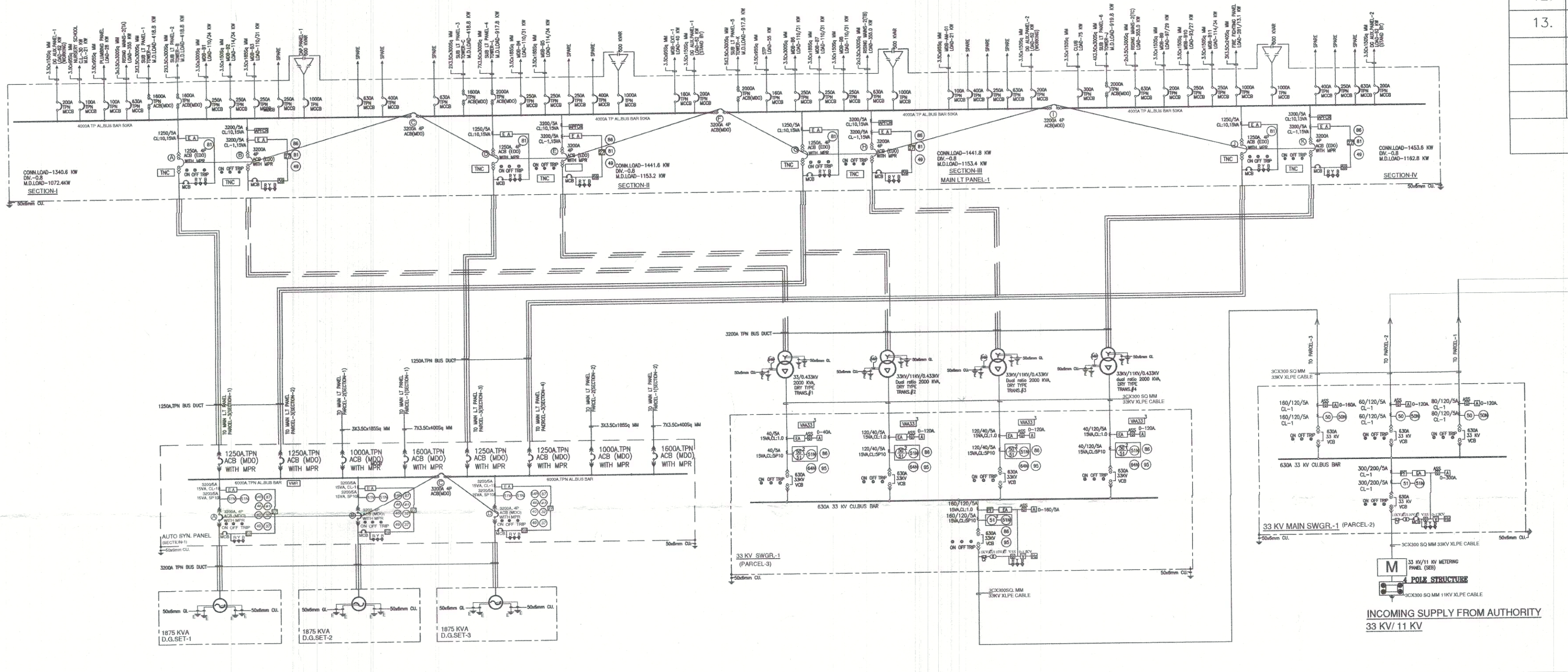
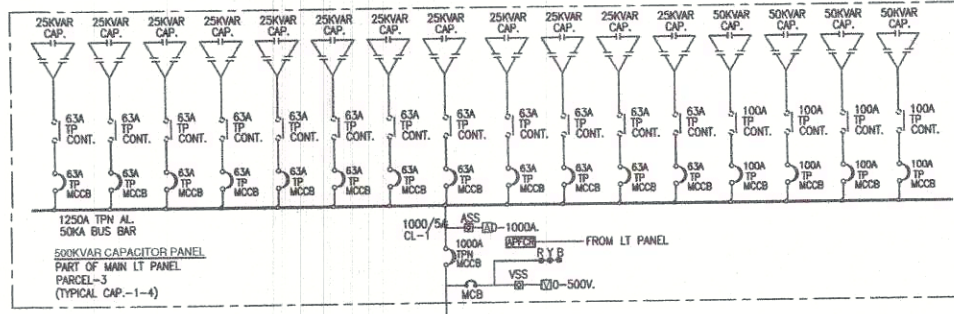


- 1-Substation is Locates in basement floor.
2-HT Metering Room and Isolator VCB Room is located near Main Entrance site plan Aria.
3-33KV underground cable 3X300 Sqmm, xple is proposed between Metering Room and Sub station.
4-Substation to have 33KV/ 11KV VCB panel 1 No. incoming and 3 Nos. outgoing for HT breaker to PARCEL 1, PARCEL 2 & HT breaker to PARCEL 3.
5-Substation to have 33KV VCB panel 1 No. incoming and 2 Nos. outgoing for transformers.
6-TRANSFORMERS 4 NOS. ARE 2000KVA, 33KV/11KV/0.415 KV, 2 NOS. ARE 2000 KVA 33KV/0.415 KV, 2 NOS. ARE 1250KVA 33KV/0.415KV. RATED WITH APPROX.6.25% IMPEDANCE.
7-3 Nos. DG sets located in basement floor.
8-The HT Electronic Meter installed Near Main Entrance of the premises as per DHBVN Rules.
9-All the proposed and Existing system shown in the Drawing as per Premises.
10-List of Earthing pits:-
12.1 For HT Panel - 2 Nos. (GI Plate Earthing With 50x6mm GI Earth Strip)
12.2 For Transformers Body -16Nos.(GI Plate Earthing with 50x6mm GI Earth Strip)
12.3 For Transformers Neutral -16Nos.(Copper Plate Earthing with 50x6mm Copper Earth Strip)
12.4 For DG body -6 Nos. (GI Plate Earthing with 50x6mm GI Earth Strip)
12.5 For DG body Neutral -6 Nos.(Copper Plate Earthing with 50x6mm Copper Earth Strip)

The drawing checked and approved
subject to the conditions laid down
CEI Letter No. 12/092
dated 16/09/18
Chief Electrical Inspector,
Govt. Haryana, Chandigarh

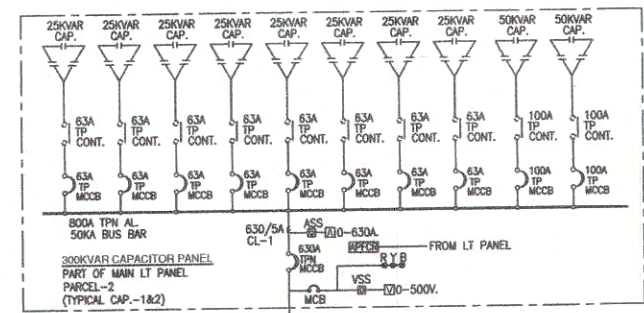
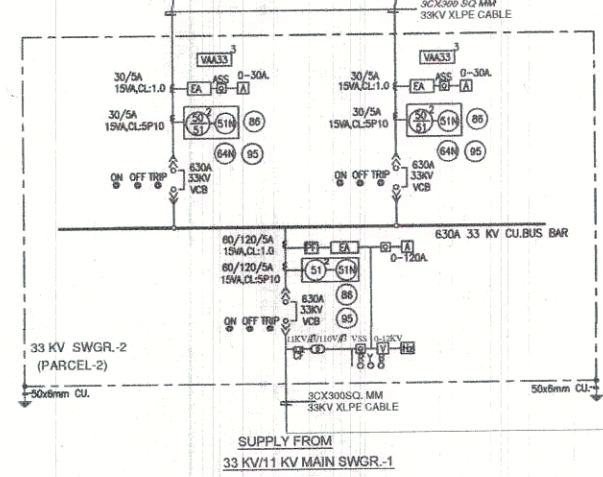
INTERLOCKING SCHEME

S.NO	DESCRIPTION	DG-1	TR-1	BC-1	DG-2	TR-2	BC-2	TR-3	DG-3	TR-4	BC-3	TR-4	DG-4
1	GRID SUPPLY AVAILABLE	OFF	ON	OFF	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF
2	POWER FAILURE	ON	OFF	ON	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON
3	TR-1 FAILURE	ON	OFF	ON	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON
4	TR-2 FAILURE	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON
5	TR-3 FAILURE	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON
6	TR-4 FAILURE	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON
7	DG-1 FAILURE	ON	OFF	ON	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON
8	DG-2 FAILURE	ON	OFF	ON	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON
9	DG-3 FAILURE	ON	OFF	ON	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON
10	DG-4 FAILURE	ON	OFF	ON	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON



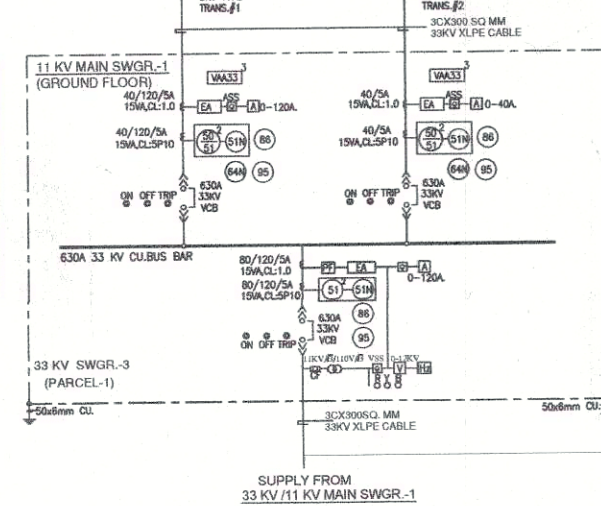
INTERLOCKING SCHEME

S.NO	DESCRIPTION	DG-1	TR-1	BC-1	DG-2	TR-2
1	GRID SUPPLY AVAILABLE	OFF	ON	OFF	OFF	ON
2	POWER FAILURE	ON	OFF	ON	ON	OFF
3	TR-1 FAILURE	ON	OFF	ON	ON	OFF
4	TR-2 FAILURE	OFF	ON	OFF	ON	OFF
7	DG-1 FAILURE	ON	OFF	ON	ON	OFF
8	DG-2 FAILURE	ON	OFF	ON	ON	OFF



INTERLOCKING SCHEME

S.NO	DESCRIPTION	DG-1	TR-1	BC-1	DG-2	TR-2
1	GRID SUPPLY AVAILABLE	OFF	ON	OFF	OFF	ON
2	POWER FAILURE	ON	OFF	ON	ON	OFF
3	TR-1 FAILURE	ON	OFF	ON	ON	OFF
4	TR-2 FAILURE	OFF	ON	OFF	ON	OFF
7	DG-1 FAILURE	ON	OFF	ON	ON	OFF
8	DG-2 FAILURE	ON	OFF	ON	ON	OFF



EARTHING DETAIL

S.NO.	DESCRIPTION	COPPER EARTHING		G.I ERTHING	
		600X600X3.0mm PLATE EARTHING	EARTH STRIP SIZE	600X600X6mm PLATE EARTHING	EARTH STRIP SIZE
1.	TRANSFORMER-1 PARCEL 3	2	50x6 MM CU.	2	50x6 MM GI.
2.	TRANSFORMER-2 PARCEL 3	2	50X6 MM CU.	2	75x6 MM GI.
3.	TRANSFORMER-3 PARCEL 3	2	50x6 MM CU.	2	50x6 MM GI.
4.	TRANSFORMER-4 PARCEL 3	2	50x6 MM CU.	2	50x6 MM GI.
5.	TRANSFORMER-5 PARCEL 2	2	50x6 MM CU.	2	50x6 MM GI.
6.	TRANSFORMER-6 PARCEL 2	2	50x6 MM CU.	2	50x6 MM GI.
7.	TRANSFORMER-7 PARCEL 1	2	50x6 MM CU.	2	50x6 MM GI.
8.	TRANSFORMER-7 PARCEL 1	2	50x6 MM CU.	2	50x6 MM GI.
9.	D.G. SET-1	2	50x6 MM CU.	2	50x6 MM GI.
10.	D.G. SET-2	2	50x6 MM CU.	2	50x6 MM GI.
11.	D.G. SET-3	2	50x6 MM CU.	2	50x6 MM GI.
12.	H.T. BREAKER	2	50x6 MM CU.	2	50x6 MM GI.
13.	L.T. PANEL	2	50x6 MM CU.	2	50x6 MM GI.
TOTAL		26		26	

LEGENDS :

01	[A]	AMMETER
02	[V]	VOLT METER
03	[PF]	POWER FACTOR METER
04	[Hz]	FREQUENCY METER
05	[KWH]	DUAL KWH METER
07	[ASST]	AMMETER SELECTOR SWITCH
08	[VSS]	VOLTMETER SELECTOR SWITCH
09	[U]	UNDER VOLTAGE RELAY
10	[O]	OVER VOLTAGE RELAY
11	[R]	REVERSE POWER RELAY
12	[TVM]	TRIVECTOR METER
13	[E]	GROUNDING
14	[EA]	ENERGY ANALYSER
15	[RFT]	RESTRICTED EARTH FAULT PROTECTION RELAY FOR ROTOR
16	[RFTN]	RESTRICTED EARTH FAULT RELAY FOR TRANS.NEUTRAL
17	[ACB]	AIR CIRCUIT BREAKER
18	[VCB]	VACUUM CIRCUIT BREAKER
19	[MCCB]	MOULDED CASE CIRCUIT BREAKER
20	[MCCB]	MINIATURE CIRCUIT BREAKER
21	[KW]	KILOWATT METER
22	[OCR]	INSTANTANEOUS OVER CURRENT RELAY
23	[EFLR]	INSTANTANEOUS EARTH FAULT RELAY
24	[IDMT]	IDMT OVER CURRENT RELAYGLASS LIGHTED CEILING
25	[IDMT]	IDMT EARTH FAULT RELAYANTERN TO DETAIL
26	[VDR]	VOLTAGE RESTRAINED OVER CURRENT RELAY
27	[DPR]	DIFFERENTIAL PROTECTION RELAY
28	[CUR]	CURRENT UNBALANCE RELAY
29	[UFR]	UNDER/OVER FREQUENCY RELAY
30	[LOL]	LOSS OF EXITATION RELAY
31	[TOR]	THERMAL OVER LOAD RELAY
32	[UPR]	UNDER POWER RELAY
33	[MTR]	MASTER TRIP LOCK OUT RELAY
34	[APFR]	AUTOMATIC POWER FACTOR RELAY
35	[PIL]	PHASE INDICATING LIGHT
36	[SDS]	STAR DELTA STARTER
37	[DOS]	DIRECT ONLINE STARTER
38	[VFD]	VARIABLE FREQUENCY DRIVE
39	[HP]	HORSE POWER
40	[*]	NORMALLY "ON"
41	[**]	NORMALLY "OFF"
42	[F]	ONLY IN CASE OF FIRE CONSIDERED AS DEAD LOAD
43	[SCF]	TRIP CIRCUIT SUPERVISION RELAY
		[X] SEMICONDUCTOR FUSE

GFC STAGE

6	REVISED AS PER CLIENT	10-02-2017
5	REVISED AS PER CLIENT	24-01-2017
4	REVISED AS PER GPBL	18-01-2016
3	REVISED AS PER GPBL	8-05-2014
2	REVISED AS PER GPBL	21-04-2014
1	REVISED AS PER DHBVN NORMS	09-04-2014
NO	DESCRIPTION	DATE SIGN.

DEVELOPERS :
GODREJ PREMIUM BUILDERS PVT. LTD.
Unit No- 215, 2nd Floor,
Time Tower, Malviya Gurgaon Road,
Gurgaon- 122002, Haryana, India
Ph: 0124-4956150

PROJECT TITLE :
GODREJ SUMMIT, SECTOR-104,
GURGAON

SERVICES CONSULTANT :
AU FAIT INTERNATIONAL ENGINEERING STUDIO
A-1/38 LG FLOOR
SAFDARJUNJ ENCLAVE
NEW DELHI-110 029
Ph: + 91 11 46019573, 26100223

LANDSCAPE CONSULTANT'S :

RSP Design consultants
(India) Pvt. Ltd.
RSP HOUSE, # 30, MUSEUM ROAD, BANGALORE - 560001 TEL: 25596868 FAX : 25596818

STRUCTURAL CONSULTANT'S :
CIVTECH CONSULTANTS PVT LTD
A-45, SECTOR-04, NOKIA-201301 (U.P.)
PHONE NO:01202 4131184
E-mail - Projects@civtech.in

CONSULTANTS : ARCHITECTURE

RSP Design consultants
(India) Pvt. Ltd.
RSP HOUSE, # 30, MUSEUM ROAD, BANGALORE - 560001 TEL: 25596868 FAX : 25596818

DRAWING TITLE :
MAIN ELECTRICAL SINGLE LINE DIAGRAM
HT PANEL & MAIN LT PANEL
(PARCEL-1,2 & 3)

STATUS	GFC	NORTH	REV NO.
DATE	16-08-2018		R7
DRAWN BY	H.S		
CHKD BY	MAYANK	DRAWING NO.	
SCALE	NTS	EL-SLD-01	

For Magic Info Solutions Pvt. Ltd.

Authorized Signatory