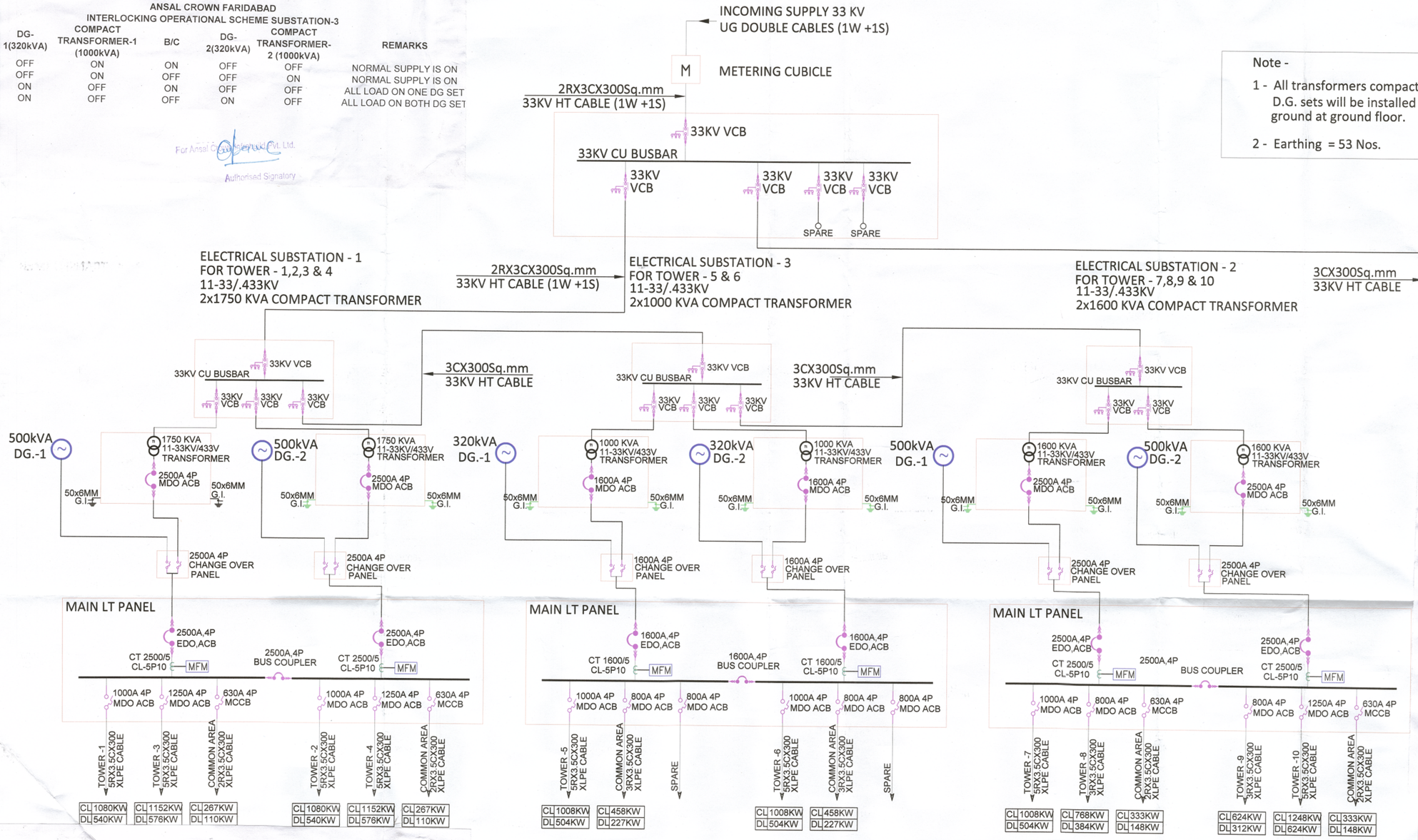
ANSAL CROWN FARIDABAD
INTERLOCKING OPERATIONAL SCHEME SUBSTATION-3

S.NO.	DG-1(320kVA)	COMPACT TRANSFORMER-1 (1000kVA)	B/C	DG-2(320kVA)	COMPACT TRANSFORMER-2 (1000kVA)	REMARKS
1	OFF	ON	ON	OFF	OFF	NORMAL SUPPLY IS ON
2	OFF	ON	OFF	OFF	ON	NORMAL SUPPLY IS ON
3	ON	OFF	ON	OFF	OFF	ALL LOAD ON ONE DG SET
4	ON	OFF	OFF	ON	OFF	ALL LOAD ON BOTH DG SET

For Ansal Crown Infrabuild Pvt. Ltd.
Authorised Signatory



Note -

1 - All transformers compact type and D.G. sets will be installed at solid ground at ground floor.

2 - Earthing = 53 Nos.

ANSAL CROWN FARIDABAD
INTERLOCKING OPERATIONAL SCHEME SUBSTATION-2

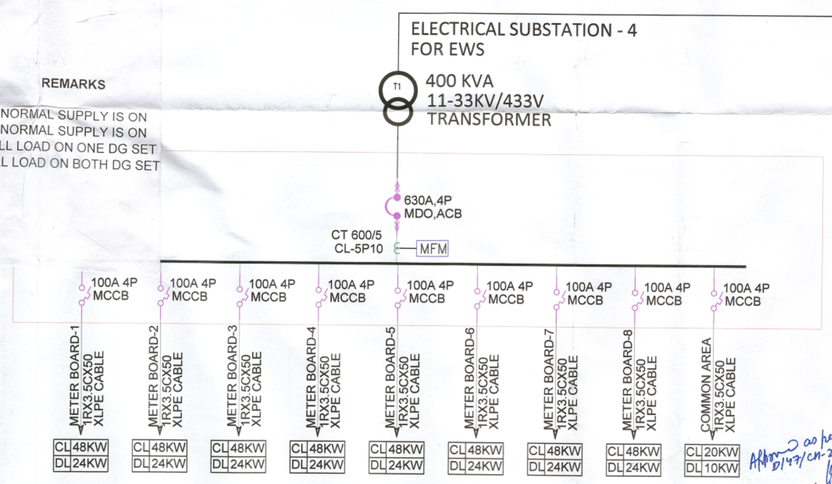
S.NO.	DG-1(500kVA)	COMPACT TRANSFORMER-1 (1600kVA)	B/C	DG-2(500kVA)	COMPACT TRANSFORMER-2 (1600kVA)	REMARKS
1	OFF	ON	ON	OFF	OFF	NORMAL SUPPLY IS ON
2	OFF	ON	OFF	OFF	ON	NORMAL SUPPLY IS ON
3	ON	OFF	ON	OFF	OFF	ALL LOAD ON ONE DG SET
4	ON	OFF	OFF	ON	OFF	ALL LOAD ON BOTH DG SET

For Ansal Crown Infrabuild Pvt. Ltd.
Authorised Signatory

ANSAL CROWN FARIDABAD
INTERLOCKING OPERATIONAL SCHEME SUBSTATION-1

S.NO.	DG-1(500kVA)	COMPACT TRANSFORMER-1 (1750kVA)	B/C	DG-2(500kVA)	COMPACT TRANSFORMER-2 (1750kVA)	REMARKS
1	OFF	ON	ON	OFF	OFF	NORMAL SUPPLY IS ON
2	OFF	ON	OFF	OFF	ON	NORMAL SUPPLY IS ON
3	ON	OFF	ON	OFF	OFF	ALL LOAD ON ONE DG SET
4	ON	OFF	OFF	ON	OFF	ALL LOAD ON BOTH DG SET

For Ansal Crown Infrabuild Pvt. Ltd.
Authorised Signatory



Drawing checked and recommended for approval.

Executive Engineer
Electrical Inspectorate, Haryana
SCF-9, Sector-9, Faridabad.

For Ansal Crown Infrabuild Pvt. Ltd.
Authorised Signatory

Approved as per CEI M.No D1/47/cm-2 dt 11.6.18
11/6/18
Chief Electrical Inspector
to Govt. Haryana, Chandigarh

LEGENDS :-

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	AIR CIRCUIT BREAKER		CURRENT TRANSFORMER
	MOTORISED MOULDED CASE-CIRCUIT BREAKER	W	DUAL SOURCE ENERGY METER
	MOULDED CASE CIRCUIT BREAKER	A/M	AUTO/MANUAL SELECTOR SWITCH
	MINIATURE CIRCUIT BREAKER	MFM	MULTI FUNCTION METER
	CAPACITOR BANK		CONTROL FUSE
	VACUUM CIRCUIT BREAKER		CHANGE OVER SWITCH
	INDICATING LA (LED TYPE)		POWER CONTACTOR
	PUSH BUTTON	MPR	MICRO PROCESSOR BASED RELEASE
V	VOLTMETER	86	LOCKOUT RELAY
A	AMMETER	74	SUPERVISORY TRIP RELAY
Hz	FREQUENCY METER	27	UNDER VOLTAGE DEVICE
KW	KILO WATT METER	59	OVER VOLTAGE DEVICE
PF	POWER FACTOR METER	46	REVERSE POWER PHASE DEVICE
KWH	KILO WATT HOUR METER	32	REVERSE POWER RELAY
VSS	VOLTMETER SELECTOR SWITCH	81	UNDER/OVER FREQUENCY RELAY
ASS	AMMETER SELECTOR SWITCH	49	THERMAL OVERLOAD RELAY
	POTENTIAL TRANSFORMER	40	LOSS OF EXCITATION
		37	UNDER POWER RELAY
		87	DIFFERENCIAL RELAY
		64R	EARTH FAULT PROTECTION RELAY
		50V/51V	VOLTAGE RESTRAINED OVER CURRENT PROTECTION

Electrical Consultants:-
M&P BUILDTECH
Office : H. NO.-5, Roshan Garden -II,
Kakrola Road, Najafgarh New Delhi - 110043
E-mail : ramalikassociates@gmail.com

REVISIONS

NO.	DATE	DESCRIPTION
R1	25.05.2018	AS PER CLIENT REQUIREMENT

DRAWING TITLE:

ANSAL CROWN FARIDABAD
ELECTRICAL SCHEMATIC LAYOUT

Date:	24.05.2018	Designed:	NIKHIL
Scale:	N.T.S	Drawn:	NIKHIL
DWG NO.	EL/SLD-100	Checked:	A.M

DRAWING NUMBER:

SINGLE LINE DIAGRAM