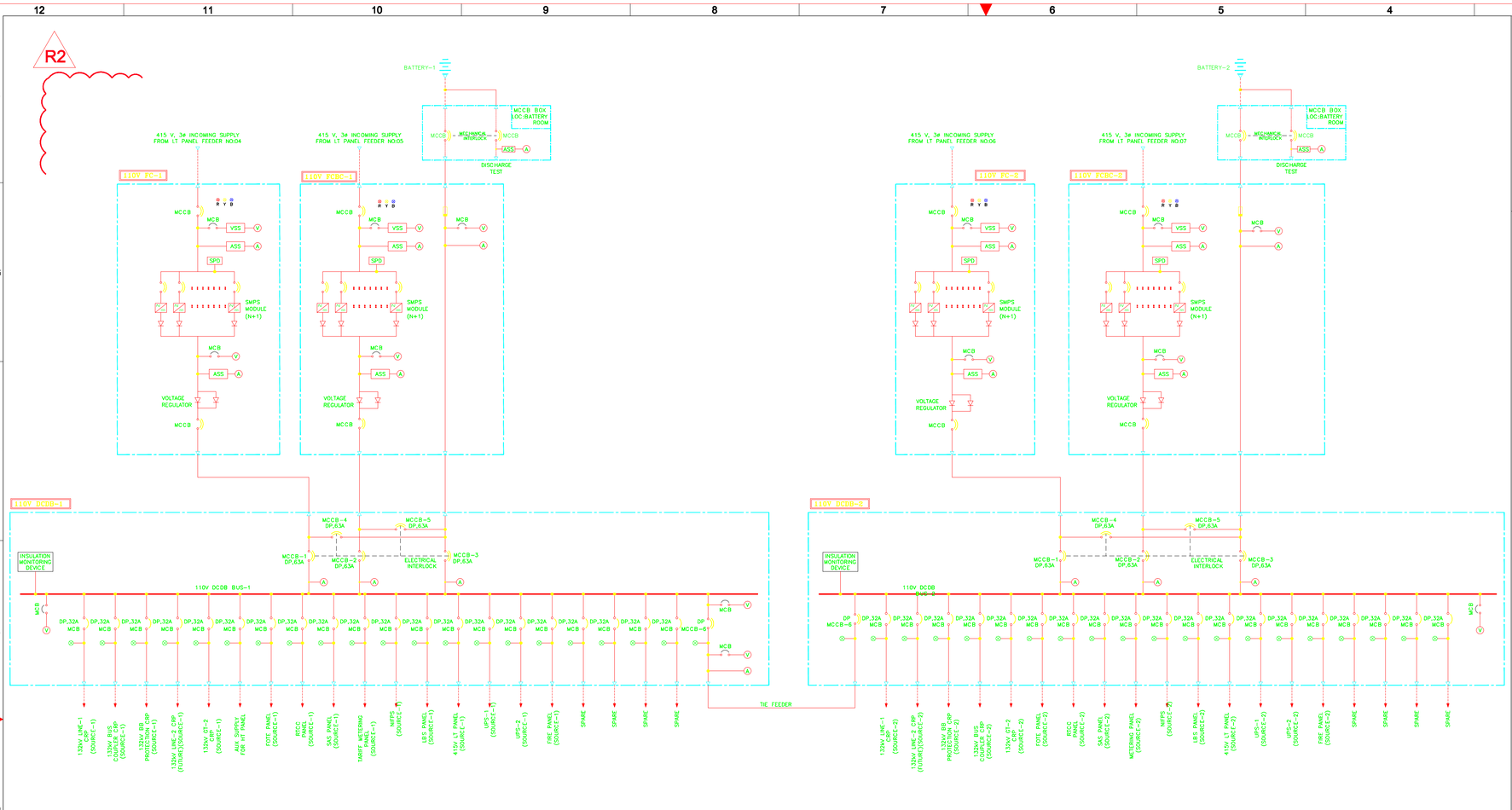

NOTES:-

1. BATTERY & BATTERY CHARGER RATING SHALL BE SELECTED TO MEET THE LOAD REQUIREMENT.
2. THE NUMBER OF FEEDERS INDICATED HEREIN IS MINIMUM REQUIREMENT. THE FINAL NUMBER OF FEEDERS SHALL BE DETERMINED DURING DETAILED ENGINEERING.
3. RATINGS INDICATED ARE TENTATIVE ONLY THE SAME SHALL BE FIRMED UP DURING DETAILED ENGINEERING.
4. MINIMUM 4 NUMBER OF SPARE FEEDERS SHALL BE PROVIDED ON EACH BUS SECTION.
5. DCDB-1 SIDE TIE FEEDER MCCB SHALL BE NORMALLY OPEN.
6. MFM, EARTH FAULT & UNDER VOLTAGE RELAY, INDICATING LAMPS, CURRENT AND VOLTAGE TRANSDUCER SHALL BE AS MENTIONED IN DETAILED TECHNICAL SPECIFICATION.
7. WHEREVER MCCB's ARE USED FOR INTERLOCKING PURPOSES, THE SAME SHALL BE MOTORIZED. ALTERNATIVELY, MOTORIZED MCCB's OR A COMBINATION OF DC CONTACTORS WITH OVERLOAD AND SHORT-CIRCUIT PROTECTION MAY BE UTILIZED, AS APPROPRIATE FOR THE APPLICATION.
8. REFER TABLE FOR INTERLOCKING AND OPERATIONAL FUNCTIONALITY REQUIREMENTS.

LEGENDS:-

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
VSS	VOLTAGE SELECTOR SWITCH	SMPS	SWITCH MODE POWER SUPPLY
ASS	AMMETER SELECTOR SWITCH	SPD	SURGE PROTECTION DEVICE
V	VOLTMETER	27	UNDER VOLTAGE RELAY
A	AMMETER	51N	IDMT EARTH FAULT RELAY
	MOULDED CASE CIRCUIT BREAKER	MFM	MULTI FUNCTION METER
	RECTIFIER		MINIATURE CIRCUIT BREAKER
	INVERTER		TRANSDUCER
	CABLE	FC	FLOAT CHARGER
FCBC	FLOAT CUM BOOSTER CHARGER		

TABLE FOR INTERLOCKING AND OPERATIONAL FUNCTIONALITY REQUIREMENTS

SL	DESCRIPTION	FC STATUS	BC STATUS	D-MCCB 01 (FC INCOMER)	D-MCCB 02 (BC INCOMER)	D-MCCB 03 (BATTERY)	D-MCCB 04 (FC TO BATTERY)	D-MCCB 05 (BC TO BATTERY)	D-MCCB 06 (STATUS OF TIE FEEDER)
1	FC IN OPERATION	ON	OFF/FAIL	ON	OFF	ON	OFF	OFF	OFF
2	BC IN OPERATION	FAIL/OFF	ON(FLOAT MODE)	OFF	ON	ON	OFF	OFF	OFF
3	FC + BC IN OPERATION	ON	ON(FLOAT MODE)	ON	ON	ON	OFF	OFF	OFF
4	BATTERY CHARGING USING FC (ONLY)	ON	OFF	OFF	OFF	OFF	ON	OFF	ON
5	BATTERY CHARGING USING BC (ONLY)	OFF	ON(FLOAT/BOOST MODE)	OFF	OFF	OFF	OFF	ON	ON
6	BATTERY CHARGING USING FC & BC (ONLY)	OFF	ON(FLOAT/BOOST MODE)	ON	OFF	OFF	ON	ON	ON

R2

CLIENT:
GUJARAT INDUSTRIES POWER COMPANY LIMITED (M/s GIPCL)

PROJECT:
DEVELOPEMENT OF 20 MW/ 20 MWH VFRB PROJECT AT GIPCL VADODARA COMPLEX

TITLE:
TENDER DRAWING - DC SYSTEM SLD

DEPT.	JOB NO.	SCALE:	SHEET: 01 OF 01	REV.

DWG.NO. :- DWG - 05