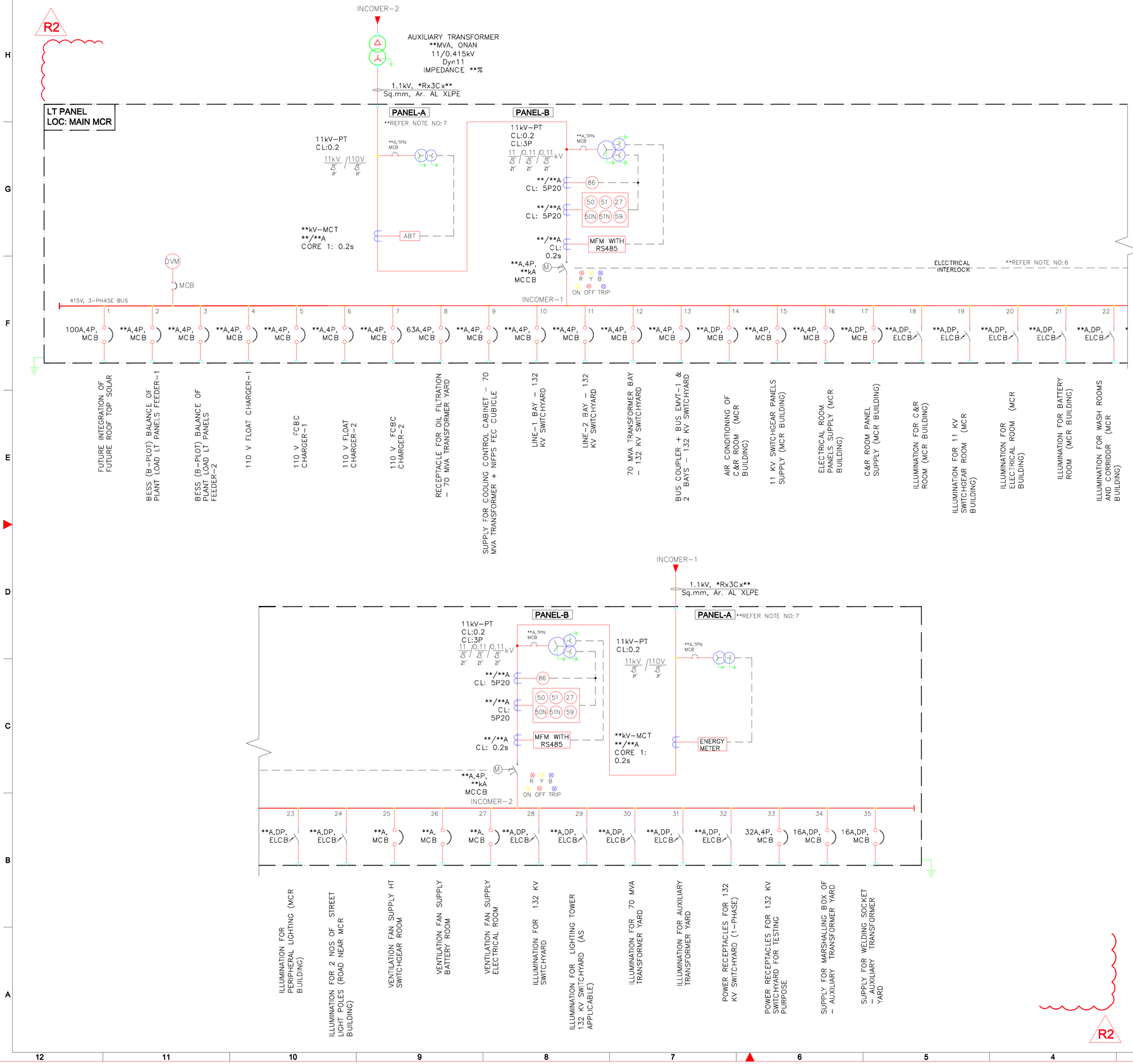

NOTES: –

1. ALL EQUIPMENT RATING/SIZING AND NUMBER OF FEEDERS ARE TENTATIVE, SAME SHALL BE FINALIZED BASED ON LOAD REQUIREMENT DURING DETAILED ENGINEERING.
2. THE LOCATION OF PANELS MAY VARY DURING DETAILED ENGINEERING STAGE.
3. LESS THAN OR EQUAL TO 63 AMP SHALL BE MCB. GREATER THAN 63 AMP BUT LESS THAN OR EQUAL TO 400 AMP SHALL BE MOTORIZED MCCB.GREATER THAN 400 AMP SHALL BE ACB.
4. THE BIDDER SHALL BE RESPONSIBLE FOR THE DESIGN, AS WELL AS DETERMINING THE QUANTITY OF LT PANEL AND CIRCUIT BREAKERS.
5. A MINIMUM OF 20% FEEDERS (ROUNDED UP TO THE NEXT WHOLE NUMBER) SHALL BE PROVIDED FOR EACH TYPE AND RATING, EXCLUDING INCOMERS.
6. AN AUTOMATIC CHANGEOVER SCHEME SHALL BE PROVIDED BETWEEN INCOMER–1 AND INCOMER–2 WITHOUT MOMENTARY PARALLELING. UNDER NORMAL OPERATING CONDITIONS, THE SYSTEM SHALL BE FED FROM INCOMER–1 (DISCOM SUPPLY). IN THE EVENT OF FAILURE/UNDER VOLTAGE OF INCOMER–1, THE LOAD SHALL AUTOMATICALLY TRANSFER TO INCOMER–2 (GRID SUPPLY). UPON RESTORATION OF INCOMER–1, THE SYSTEM SHALL AUTOMATICALLY REVERT TO INCOMER–1 SUPPLY.
7. PANEL-A SHALL BE DESIGNATED AS THE METERING COMPARTMENT AND SHALL BE PROVIDED FOR INSTALLATION OF ABT METERS COMPLETE WITH ASSOCIATED CT's AND PT's. THE COMPARTMENT SHALL BE PROVIDED WITH A COMPREHENSIVE SEALING ARRANGEMENT TO ENSURE TAMPER-PROOF AND SECURE OPERATION.

LEGENDS: –

SYMBOL	DESCRIPTION
	AUXILIARY TRANSFORMER
	MOTORIZED MOLDED CASE CIRCUIT BREAKER (MCCB)
MFM	MULTIFUNCTION METER
ABT	AVAILABILITY BASED TARIFF
	CURRENT TRANSFORMER (CT)
	POTENTIAL TRANSFORMER (PT)
OFF ON TRIP	INDICATION
R Y B	LIVE LINE INDICATION LAMP
	MINIATURE CIRCUIT BREAKER (MCB)
	EARTH LEAKAGE CIRCUIT BREAKER(ELCB)

ANSI CODES	
50	INSTANTANEOUS OVER CURRENT RELAY
51	IDMT OVER CURRENT RELAY
50N	INST. EARTH FAULT RELAY
51N	IDMT EARTH FAULT RELAY
27	UNDER VOLTAGE RELAY
59	OVER VOLTAGE RELAY
86	MASTER TRIP RELAY

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

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

TITLE:
TENDER DRAWING - AUXILIARY SLD

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

DWG.NO.:- DWG - 03