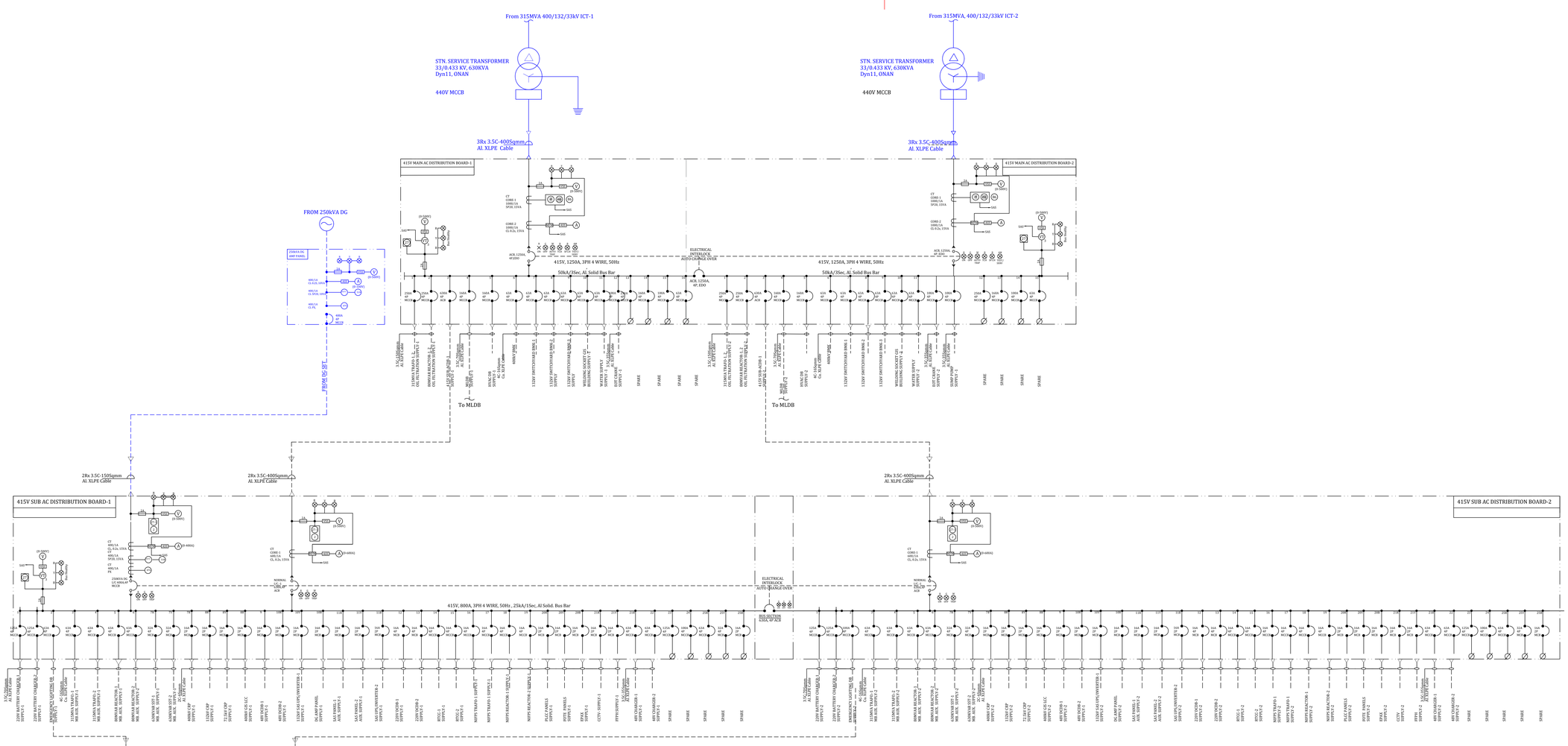


LEGEND :-

SYMBOL	DESCRIPTION
	STATION SERVICE TRANSFORMER
	Air Circuit Breaker (ACB) (Motor Operated Spring Charged, Manually Drawout)
	MOULDED CASE CIRCUIT BREAKER (MCCB)
	CURRENT TRANSFORMER
∅	INDICATION LAMP
	HRC FUSE
⊗	SPARE TERMINAL
MFM	MULTI FUNCTION METER WITH MODBUS COMMUNICATION PROTOCOL.
VSS	VOLTAGE SELECTOR SWITCH
ASS	AMMETER SELECTOR SWITCH
A	ANALOGUE AMMETER
V	ANALOGUE VOLMETER
27	UNDER VOLTAGE RELAY
50	INSTANTANEOUS OVER CURRENT RELAY
50N	INSTANTANEOUS EARTH FAULT RELAY
51	IDMT NON- DIRECTIONAL OVER CURRENT RELAY
51N	IDMT NON- DIRECTIONAL EARTH FAULT RELAY
86	LOCK OUT RELAY HAND RESET
	DRAW OUT
MDO	ELECTRICAL SPRING CHARGE AND MANUAL DRAW OUT
VT	VOLTAGE TRANSDUCER (4-20mA)
	CABLE TERMINATION
SST	STATION SERVICE TRANSFORMER
	LIGHTING TRANSFORMER

NOTES

1. ALL PROTECTION AND WIRING SHALL BE AS PER AEGCL TECHNICAL SPECIFICATION, WILL BE TAKEN CARE IN RESPECTIVE MANUFACTURE DRAWING AFTER APPROVAL OF LT AC/DC SLD.
2. BURDEN OF CT'S ARE SUBJECT TO CONFIRMATION OEM VENDERS.
3. INCOMING AND OUTGOING FEEDERS OF 415V MAIN ACDB SHALL BE PROVIDED WITH VISUAL ALARM ARRANGEMENT FOR TRIPPING.
4. ALL PROTECTION AND WIRING SHALL BE AS PER TECHNICAL SPECIFICATION, WILL BE TAKEN CARE IN RESPECTIVE MANUFACTURE DRAWING AFTER APPROVAL OF LT SLD.
5. ACBs SHALL BE PROVIDED WITH 'ON/OFF/TRIP/TRIP CIRCUIT HEALTHY/TEST/SERVICE/SPRING CHARGED INDICATION LAMPS.
6. CONTROL SUPPLY FOR THE AIR CIRCUIT BREAKERS SHALL BE 110V DC.
7. PROTECTIVE RELAYS SHALL BE ELECTRO MECHNICAL/NUMERICAL TYPE HAVING IEC 61850 COMMUNICATION PROTOCOL.
8. ALL OUTGOING MCCBs SHALL BE PROVIDED WITH ON INDICATION LAMPS.
9. THE DB SHALL COMPLY WITH THE TECHNICAL SPECIFICATION OF AEGCL.
10. CABLE ENTRY TO THE DB SHALL BE FROM THE BOTTOM.
11. THE DB SHALL HAVE ENCLOSURE PROTECTION CLASS OF NOT LESS THAN IP 52.
12. THE CONSTRUCTION OF THE DB SHALL BE SUCH THAT TEMPERATURE RISE AT NO PART OF THE DB SHALL EXCEED THE LIMITS SPECIFIED IN IS / IEC 60947.
13. THE PANEL PAINTING SHADE SHALL BE RAL 7032 (PEBBLE GRAY).
14. CABLE SIZE SHOWN ARE TENTATIVE AND SHALL BE FINALIZED AFTER CABLE SIZING & LOAD LIST.
15. MAKE LIST OF ALL THE EQUIPMENT OF LT PANELS SHALL BE AS PER BID DOCUMENT.

NOA No. :	
PROJECT :	
CLIENT:	ASSAM ELECTRICITY GRID CORPORATION LTD. (BIJULEE BHAWAN, GUWAHATI, ASSAM)
EPC CONTRACTOR	
DRG. TITLE	LT AC SINGLE LINE DIAGRAM
DRG. NO.	DATE / SHEET
DRAWN BY:- / CHECK BY:-	

Rev. No.	Date	Revision Note

NOT TO SCALE