



- LEGEND:**
- 2 POLE MCCB
 - FOUR POLE MCCB
 - AIR CIRCUIT BREAKER
 - 2 POLE MCB
 - AIR BREAK SWITCH
 - SPR- SWITCHYARD PANEL ROOM
 - P- PROJECT SPECIFIC PRIMARY VOLTAGE OF LT TRANSFORMER

- NOTES:**
1. NO TWO AC SOURCE SHALL BE PARALLELED AT ANY STAGE.
 2. DG SET SHALL BE AUTO START TYPE.
 3. EACH BAY MB & TRANSFORMER MB SHALL BE FED BY ATLEAST ONE SOURCE FROM 415V ACDB. SECOND SOURCE SHALL BE LOOPED FROM NEAREST BAY MB & TRANSFORMER MB RESPECTIVELY, WHICH SHALL BE FED FROM ANOTHER SOURCE FROM 415V ACDB.
 4. NUMBER OF FEEDERS SHALL BE INCREASED IN EACH BOARD AS PER REQUIREMENT OF SUB-STATION FOR PRESENT & FUTURE BAYS AS SHOWN IN SUBSTATION SLD.
 5. ONE DC 'X' TYPE MODULE IN EACH 220V DCDB SHALL BE PROVIDED FOR EACH LINE, TRANSFORMER, BUS REACTOR, TBC, BC & BUS SECTION BAY FOR PRESENT & FUTURE BAYS AS SHOWN IN SUBSTATION SLD.
 6. ONE DC 'X' TYPE MODULE IN EACH 48V DCDB SHALL BE PROVIDED FOR EACH LINE BAY FOR PRESENT & FUTURE BAYS AS SHOWN IN SUBSTATION SLD.
 7. RATING OF BUS BARS/ FEEDERS INDICATED IN THIS DRAWING ARE MINIMUM REQUIREMENT AND MAY BE INCREASED DURING DETAILED ENGINEERING IF FOUND INADEQUATE WITH RESPECT TO OFFERED LOADS / SYSTEM.
 8. MODULE TYPE X REFERRED IN THIS DRAWING IS APPLICABLE WITH DP MCCB. MAXIMUM 2NOS. OF DP MCCB SHALL BE CONSIDERED IN ONE MODULE OF OFFERED PANEL.
 9. AE(800A,ACB) MODULE SHALL HAVE ONLY AIR CIRCUIT BREAKER WITHOUT SEPARATE PROTECTIVE RELAYS. HOWEVER, AUX. RELAYS/CONTACTORS SHALL BE INCLUDED AS PER SCHEME REQUIREMENT.
 10. ALL DIGITAL/ANALOGUE INPUT/OUTPUTS REQUIRED FOR SAS SYSTEM SHALL BE CONSIDERED BY THE LT SWITCHGEAR MANUFACTURER.
 11. THIS DRAWING SHALL BE APPLICABLE WITH REV.05 OF STANDARD TECHNICAL SPECIFICATION OF LT SWITCHGEAR.

FOR TENDER PURPOSE ONLY

POWER GRID CORPORATION OF INDIA LIMITED
(A Government of India Enterprise)

PROJECT : FOR NEW SUBSTATION

TITLE : STANDARD SLD FOR AC&DC SYSTEM FOR 765/400/220kV S/S

Approved by	Checked by	Prepared by
AGM	CDE	ACDE

DRAWING NO. C/ENGG/STD/LTSWGR765/SLD/01

SCALE	REV.
NTS	0