



LEGEND	
LM	LIGHTNING MAST
SA	SURGE ARRESTOR
VT	VOLTAGE TRANSFORMER
CT	CURRENT TRANSFORMER
PI	POST INSULATOR
LT	LINE TRAP (TYPICALLY R & T PHASES)
DU/DE	LINE/EARTH DISCONNECT
DS/DE	STATCOM/EARTH DISCONNECT
DF/DE	FILTER/EARTH DISCONNECT
DR/DEM1	REACTOR/MAINTENANCE EARTH DISCONNECT
CB	CIRCUIT BREAKER
DA	BUSBAR DISCONNECT
SA1/SA2	SECTIONALISER DISCONNECT
DEA/DEB	BUSBAR MAINTENANCE EARTH SWITCH
CSE	CABLE SEALING END
BS	BUSBAR SUPPORT

- NEW STATION
- FUTURE STATION (SPACE ONLY)

NOTE 1:
THIS IS A CONCEPTUAL DESIGN FOR GUIDANCE ONLY. ALL DIMENSIONS AND REFERENCES GIVEN ARE INDICATIVE ONLY. LAYOUT TO BE FURTHER OPTIMISED DURING DETAILED DESIGN PENDING SPECIFIC EQUIPMENT SUPPLIER AND SITE DETAILS.

NOTE 2:
RELOCATION OR ADDITIONAL POST INSULATORS MAY BE REQUIRED, SUBJECT TO DETAIL DESIGN.

NOTE 3:
VEHICULAR ACCESS TO ALL HV PLANT SHALL BE PERMITTED WITHOUT THE NEED FOR UNNECESSARY PROXIMITY OUTAGES. LV CABLE TRENCH LAYOUTS AND TRAFFIC-BEARING TRENCH COVERS SHALL BE CONSIDERED DURING DETAILED DESIGN.

NOTE 4:
LIGHTNING MAST, LV TRENCH DUCT ROUTES, MARSHALLING/INTERFACE CABINETS AND LIGHTING FIXTURES SHALL BE CONSIDERED DURING DETAIL DESIGN.

NOTE 5 (AS ILLUSTRATED ON DRAWING):
7500mm DISTANCE REQUIRED BETWEEN BUSBAR AND CB ON EACH BAY.

NOTE 6:
MINIMUM ELECTRICAL CLEARANCES SHALL COMPLY AS OUTLINED IN EIRGRID GENERAL REQUIREMENTS SPECIFICATION XDS-GFS-00-001.

NOTE 7:
BAY CONDUCTOR PHASING TO BE AGREED BASED ON PARTICULAR PROJECT REQUIREMENTS.

NOTE 8:
CONNECTION TO ESNB SUBSTATION SHALL COMPLY WITH POLICY 18.

NOTE 9:
A DETAILED ARRANGEMENT SHALL CONSIDER PROXIMITY OF THE PROPERTY BOUNDARY FENCE TO THE PALISADE FENCE, ENSURING THAT IT CANNOT BE USED AS A CLIMBING AID TO SCALE THE PALISADE FENCE. ARRANGEMENT SHALL BE SITE SPECIFIC AND SHALL BE AGREED WITH EIRGRID DURING THE DETAILED DESIGN PHASE.

NOTE 10:
FUTURE EXTENSION REQUIREMENTS WILL BE CONFIRMED BY EIRGRID.

NOTE 11:
CONTROL BUILDING LAYOUT SHOWN IS ONLY INDICATIVE. DETAILED LAYOUT TO BE DEVELOPED DURING PROJECT.

NOTE 12:
ALL DIMENSIONS IN THIS DRAWING ARE TO BE CONSIDERED MINIMUM. THE PROJECT DESIGNER HAVE TO PRODUCE CALCULATIONS AND DESIGN RISK ASSESSMENT TO CONFIRM THE REQUIRED DISTANCES

NOTE 13:
FINAL STATCOM LAYOUT AND MINIMUM DISTANCE BETWEEN EQUIPMENT TO BE CONFIRMED AT DETAILED DESIGN PHASE.

NOTE 14:
FINAL FILTER LAYOUT AND MINIMUM DISTANCE BETWEEN EQUIPMENT AND EQUIPMENT TO FILTER COMPOUND FENCE TO BE CONFIRMED AT DETAILED DESIGN STAGE.

NOTE 15:
AN AUXILIARY HOUSE TRANSFORMER HAS BEEN SHOWN FOR THE STATCOM ONLY.

NOTE 16:
STATCOM EQUIPMENT LAYOUT IS INDICATIVE. THE MV EQUIPMENT AND THEIR DESIGNATIONS SHALL BE FINALISED DURING DETAILED DESIGN AND NEED TO COMPLY WITH PROJECT FUNCTIONAL SPECIFICATIONS.