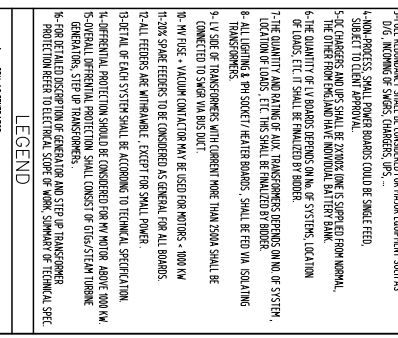
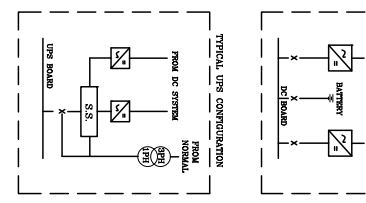


- GENERAL NOTES**
- 1- ALL RATINGS SHALL BE SELECTED ACCORDING TO STANDARDS PERMITTED BY THE INDIAN GOVERNMENT IN INDIA.
  - 2- THE DESIGNER SHALL BE RESPONSIBLE FOR THE DESIGN OF THE ELECTRICAL EQUIPMENT AND SHALL BE RESPONSIBLE FOR THE DESIGN OF THE ELECTRICAL EQUIPMENT.
  - 3- ALL EQUIPMENT SHALL BE CONSIDERED FOR MAJOR EQUIPMENT SUCH AS D/G, INVERTER, RECTIFIER, TRANSFORMER, BATTERY BANK, ETC. SUBJECT TO CLIENT APPROVAL.
  - 4- THE QUANTITY OF MAJOR EQUIPMENT SHALL BE DETERMINED BY THE CLIENT APPROVAL.
  - 5- THE QUANTITY OF MAJOR EQUIPMENT SHALL BE DETERMINED BY THE CLIENT APPROVAL.
  - 6- THE QUANTITY OF MAJOR EQUIPMENT SHALL BE DETERMINED BY THE CLIENT APPROVAL.
  - 7- THE QUANTITY AND RATING OF MAJOR EQUIPMENT SHALL BE DETERMINED BY THE CLIENT APPROVAL.
  - 8- ALL LIGHTING & PIPING/HEATER BORDERS SHALL BE FED VIA COOLING TRANSFORMERS.
  - 9- 1-LV SIZE OF TRANSFORMERS WITH CURRENT MORE THAN 250A SHALL BE CONNECTED TO SWGR VIA BUS DUCT.
  - 10- HV FUSE & VACUUM CONTACTOR MAY BE USED FOR MOTORS < 400 KW.
  - 11- 20KV SPARE FEEDERS TO BE CONSIDERED AS GENERAL FOR ALL BORDERS.
  - 12- ALL FEEDERS ARE AIR TERMINAL - EXCEPT FOR SMALL POWER.
  - 13- DUTY OF EACH SYSTEM SHALL BE ACCORDING TO TECHNICAL SPECIFICATION.
  - 14- DIFFERENTIAL PROTECTION SHOULD BE CONSIDERED FOR HV MOTOR ABOVE 400 KW.
  - 15- OVERALL DIFFERENTIAL PROTECTION SHALL CONSIST OF GLOBE/STEAM TURBINE GENERATORS, STEP UP TRANSFORMERS.
  - 16- FOR DETAILED DESCRIPTION OF GENERATOR AND STEP UP TRANSFORMER PROTECTION REFER TO ELECTRICAL SPEC OF WORK, SUMMARY OF TECHNICAL SPEC.



**REFERENCE DRAWINGS**

NO.	DESCRIPTION	ISSUED DATE	REVISED DATE	APPROVED DATE



**PROJECT: ZIMVAR COMBINED CYCLE POWER PLANT**

**TITLE: ELECTRICAL KEY SINGLE LINE DIAGRAM**

**240715-1-1510 UNITS**

NO.	DATE	BY	CHKD	APP'D

**DRAWING NO.:** \_\_\_\_\_ **REV. NO. 1**

**SCALE:** \_\_\_\_\_ **DATE: 27/08/2024** **SHEET: 1 OF 1**

**DESIGNER:** A.F. \_\_\_\_\_ **CONTRACT NO.:** \_\_\_\_\_

**DRAWN:** M.F.U. \_\_\_\_\_ **DATE:** \_\_\_\_\_

**CHECKED:** A.F. \_\_\_\_\_ **BY CODE:** \_\_\_\_\_

**APPROVED:** M.S. \_\_\_\_\_ **DATE:** \_\_\_\_\_

**MOSHANIR**

**POWER SYSTEMS ENGINEERS**