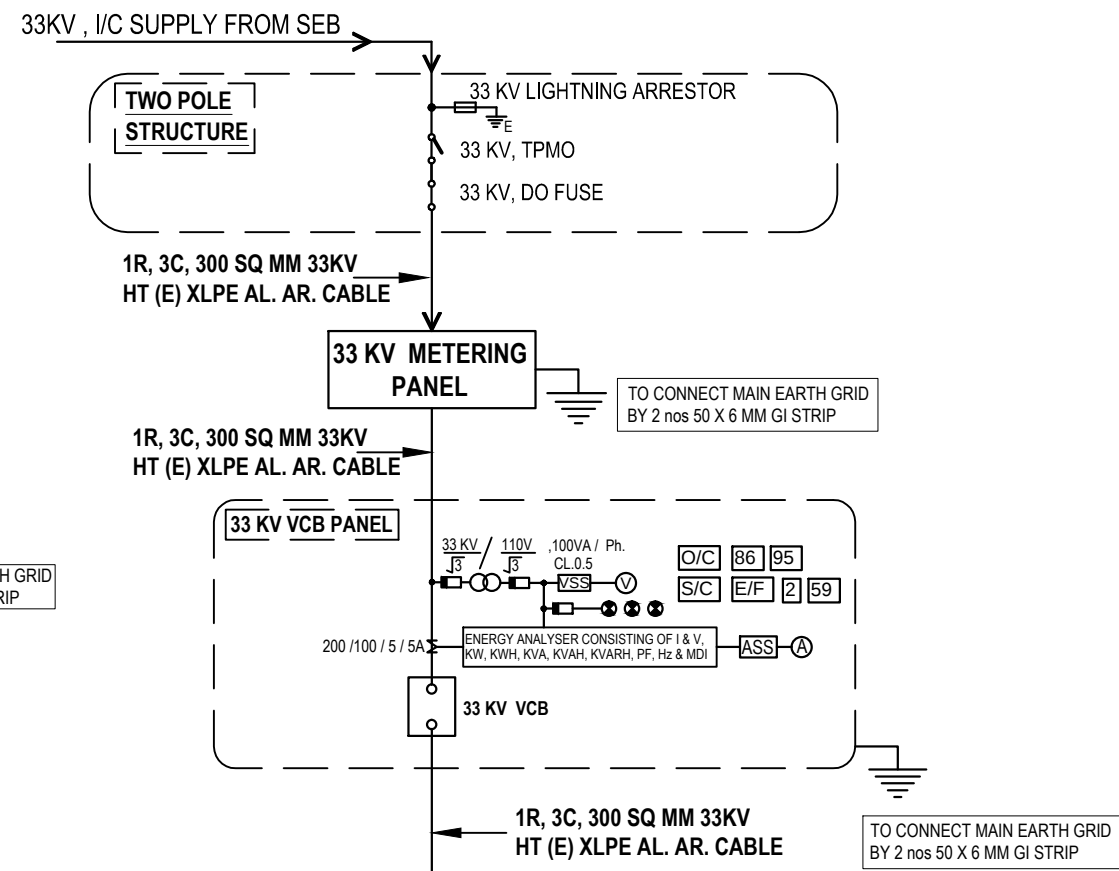


- 7) The PLC shall have a provision of Interlocking between different Incomers & Bus couplers to avoid Paralleling of two different supplies from Transformer & DG sets.
- 8) Logic to AUTO START & AUTO STOP for each DG sets.
- 9) Taking data from Energy Analysers and issuing and selecting starting command for DG set as per above logic. Further it shall also be possible to START/STOP DG sets in Manual/Test Mode.
- 10) Paralleling of DG sets have not been envisaged.
- 11) In case of any discrepancy in interlocking scheme inform consultant before execution.

- 1) All ACB should have lcs = lcu = lcu = 50 KA for 1 sec, fully rated at 50 deg C ambient temperature
- 2) All ACB's shall have an inbuilt facility of O/C, S/C, Instantaneous S/C & Earth fault protection
- 3) All ACB's shall have Auxiliary switches with 4NO + 4NC contacts.
- 4) All Incoming ACB's shall facility with LCD / LED display for event history & measurement of current parameters.
- 5) All MCCB shall be microprocessor based with inbuilt O/L & S/C release with E/F protection
- 6) All MCCB's shall be lcs = 100% lcu,
- 7) All MCCB's shall have adjustable O/L & S/C trip setting as per load requirement
- 8) All Incomer / Bus coupler ACB shall have inbuilt UV Release.



GENERAL NOTE:- In normal case all three lamps shall be "ON" to indicate that incoming power supply is available. In case of power resumption after failure buzzer shall ring to indicate that power supply is resume, there shall be one push button to acknowledge the same.

● ALL THE INDICATIONS & METERING SHALL BE DONE THROUGH 110 VOLTS FROM SECONDARY OF PT's. NO INDICATIONS LAMPS & METERING SHOULD NOT BE OPERATED AT 415 VOLTS.

- ✱ 1 No. CT's TO BE PROVIDED IN LOOSE CONDITION BY THE PANEL MANUFACTURER TO THE CLIENT FOR REF PROTECTION.
- ✱ 3 Nos. CT's TO BE PROVIDED IN LOOSE CONDITION BY THE PANEL MANUFACTURER TO THE CLIENT FOR DIFFERENTIAL PROTECTION.

GA DRAWINGS SHALL BE GOT APPROVED BEFORE FABRICATION
THE PANEL HAS TO BE SPECIFICALLY FABRICATED AS PER THE
SPACE AVAILABLE AT PANEL ROOM IN BASEMENT.
THE EXISTING COLUMN POSITIONS WILL ALSO BE CONSIDERED.

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FEEDER NUMBER	F-1	F-2	F-3	F-4	F-5	F-6	F-7	F-8	F-9	F-10	F-11	F-12	F-13
CIRCUIT BREAKER RATING IN AMPS	800 A TP MCCB (50 KA)	800 A TP MCCB (50 KA)	800 A TP MCCB (50 KA)	800 A TP MCCB (50 KA)	1250 A TP MCCB (50 KA)	800 A TP MCCB (50 KA)	500 A TP MCCB (50 KA)	800 A TP MCCB (50 KA)	800 A TP MCCB (50 KA)	800 A TP MCCB (50 KA)	800 A TP MCCB (50 KA)	800 A TP MCCB (50 KA)	800 A TP MCCB (50 KA)
CABLE SIZE IN SQ. MM. 'AL'	2R, 3.5C, 240	2R, 3.5C, 240	2R, 3.5C, 240	2R, 3.5C, 240	INTEGRATED WITH LT PANEL	---	2R, 3.5C, 120	2R, 3.5C, 240	2R, 3.5C, 240	---	2R, 3.5C, 240	2R, 3.5C, 240	---
FEEDER DESCRIPTION	RISING MAINS-01 TOWER-T4	RISING MAINS-02 TOWER-T4	RISING MAINS-01 TOWER-T5	RISING MAINS-02 TOWER-T5	CAP. PANEL 600 KVAR	SPARE	MAIN COMMON SER. PANEL	RISING MAINS-01 TOWER-T01	RISING MAINS-02 TOWER-T02	SPARE	RISING MAINS-01 TOWER-T02	RISING MAINS-02 TOWER-T02	SPARE

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