

- B. Component selection and sizing shall be in accordance with the FBA and other relevant sections wherever applicable.
- C. One spare equipped feeder section (MCCB only) with earth leakage protection per MCC shall be provided as minimum. The rating shall be subject to the approval of the engineer.
- D. One spare unequipped feeder section per MCC shall be provided as minimum.

1.3.12.7 Small Lighting and Power Distribution Section

- A. Wall mounting type distribution board, fed from MCC, with MCCB, MCB, ELCB, RCBO combinations for Lighting and small power shall be provided in the MCC room.
- B. The specifications, selection and sizing of breakers shall be in accordance with particular requirements, load schedule and relevant specification sections.

1.3.12.8 Common Control Section

- A. The Common Control section shall consist of the following controls and instruments as minimum for guidance purpose only subject to the approval of the engineer:
 - a. Non door interlock MCCB
 - b. 24 V DC regulated power supply
 - c. 24 V DC Ni Cd battery
 - d. 24 V DC Ni Cd battery charger
 - e. Power distribution MCBs for field instruments
 - f. Programmable Logic Controller (PLC)
 - g. Pressure, flow, conductivity & Level Indicators
 - h. Local/Remote selector switch
 - i. Float/Level selector switch
 - j. Pumps Duty-Selection, selector switch
 - k. Push buttons for lamp test, fault-reset etc.
 - l. Status Indicating Lamps
 - m. Float switches status lamps, Flood detector lamp, Pump protection signals lamps