

08. OPERATION OF LOW VOLTAGE MAIN SWITCHBOARD

COURSE CODE : PSU || 2 DAYS

This course introduces the fundamentals of Low Voltage (LV) electrical systems and the construction of LV Main Switchboards. Participants will learn MSB components and their functions, types of Air Circuit Breakers, testing of key MSB components, and proper operation and maintenance of LV ACBs, with reference to Single Line Diagrams (SLD).

COURSE CONTENT

- Concept of low voltage electrical system and main switchboard
- Main components on switchboard
- Function and importance of main switchboard components
- Protection and metering component
- Maintenance on low voltage Air Circuit Breaker (ACB) and MCCB
- Wiring installation on main switchboard
- Understand drawing of low voltage electrical system
- Determine sizing and type of component such as ACB and others related to main switchboard
- Main switchboard operation
- Perform testing for main switchboard components

RECOMMENDED FOR

- 11kV Electrical Service Engineer (JPE) candidate
- Chargeman A0 candidate
- Testing Engineer
- Electrical Design Engineer
- Electrical Facility Maintenance Supervisor
- Electrical Technician / Supervisor