

Course Overview:

The training course focuses mainly on the maintenance of distribution equipment namely transformers, circuit breakers, contactors, isolators and disconnectors (this will also include the auxiliary peripherals and control circuits).

Course Objective:

- Understand the role and importance of switchgears
- Determine the components and operations of high voltage circuit breakers
- Explain the different types of maintenance and testing for switchgears
- Analyse the common faults and short circuit current

Course Outline:

- Role and Importance of the Switchgear in Power Systems
- Circuit breakers, auto reclosers, disconnectors and sectionalisers operations
- Earth switches construction and applications
- Compression principles
- SF6 hazards and test equipments
- Dead and Live tank HV circuit breakers
- Operation mechanisms of HV circuit breakers
- Maintenance and Testing of Switchgears
- Importance of maintenance & testing
- Maintenance strategies
- Introduction to safety in HV Substations
- Switchgear mechanical and electrical interlocking

Who Should Attend:

Electricians, Electrical supervisors , Plant electricians ,Operations & maintenance engineers, supervisors & technicians and Maintenance technicians

Training Language:

Eng

Training Methodology:

- Presentation & Slides
- Audio Visual Aids
- Interactive Discussion
- Participatory Exercise
- Action Learning
- Class Activities
- Case Studies
- Workshops
- Simulation