

Circuit Breaker, Operation & Maintenance

COURSE OBJECTIVES:

- Identifying principles of engineering service electrical substation equipment
- Discuss the fundamental design considerations applied to power systems
- Perform preventive maintenance on circuit breakers.
- Describe the various inspections, tests, and maintenance.
- Operation, maintenance for circuit breaker in electrical network.
- Performing various tests for circuit breaker.
- Utilizing tests results to determine the technical state of circuit breaker and write its state assessment report.
- Describe the safety considerations involved in performing maintenance.

WHO SHOULD ATTEND?

This course is intended for engineers and technicians from substation, distribution station, power utilities, transmission and maintenance in electricity companies. Participants need no specific requirements other than basic understanding of electrical equipments in his work area to gain maximum.

MATERIAL LANGUAGE: English

PRESENTATION LANGUAGE: English

TRAINING METHODOLOGY:

Each course participant will receive a copy of the comprehensive course notes. The presenter will discuss the topics using OHP-Data show. The course is designed to have an interactive format to maximize delegate participation. Questions and answers are encouraged throughout and at the daily sessions. Needs based case studies and examples will be discussed in problem solving workshops sessions. This gives participants the opportunity to discuss with other delegates and the presenter their specific problems and appropriate solutions.

COURSE CONTENTS:

1. Definitions And Jobs Of Switch Gear Parts
2. Different Forms Of Substations
3. Different Forms And Construction Of Circuit Breakers
4. Automatic Operation Consideration Of Circuit Breakers
5. Relay's Types And Transient Currents
6. Rated Characteristics Of Medium Voltage Circuit Breaker
7. Circuit Breaker Various Tests
8. Circuit Breaker Test Equipment SF6 Moistures Content At Circuit Breaker
9. Maintenance Consideration Of Circuit Breakers Electrical Safety In Substation
10. Engineering Service For Substation Electrical Equipment