

Course description

INTCV136

Circuit Breakers (72.5kV) Type EDF SK1-1

Course goal

The goal of the course is to improve the ability of Personnel from Power Utilities, Power Generation, transmission companies & industries and Consultants responsible for engineering, commissioning, operation and Maintenance of substations to use 72.5kV Circuit Breakers in better way.

Learning objectives

Upon completion of this course, students will be able to:

- appreciate the design principles and critical elements
- understand the critical elements of erection, commissioning, troubleshooting, operation & maintenance of Circuit Breakers
- understand the do's and don't for Circuit Breakers

Participant profile

Personnel from Power Utilities, Power Generation, transmission companies & industries and Consultants responsible for engineering, commissioning, operation and Maintenance of substations

Prerequisites

- Basic knowledge of power system



Topics

- Role of Circuit Breaker,
- Operation and Construction
- Applicable standards,
- Interrupting principles
- Breaker Components: Interrupter, operating Mechanisms
- SF6 properties, SF6 gas filling & handling
- Manufacturing & Testing
- Inside the Breaker- Hands on practice, demo
- Operation – Do's & don't
- Erection, Commissioning, Maintenance & troubleshooting
- Hands on Practice – Pole, operating mechanism, SF6 gas filling, breaker testing
- Condition Monitoring of Breakers

Course type and methods

This is an instructor led seminar with practical exercises and demonstration at demo room, training switchyard and Manufacturing facilities. The language of the course is English.

Course duration

The duration of the course is Three days.

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