
COURSE DESCRIPTION**INTCV189****Circuit Breaker, Instrument Transformer, Surge Arrestors & Power Transformer****The goal**

The goal of the course is to introduce the New Joinee's from Power Utilities, Power Generation, transmission companies & industries and Consultants responsible for engineering, commissioning, operation and Maintenance of substations to various equipment's used in substation.

Learning objectives

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

- Identify critical components of the circuit breaker, CT, CVT, surge arrestor and power transformer.
- Understand the criticality of the equipment in power system and define the time required to rectify the problems in above equipment.
- Rectify minor problems in the equipment.

Participant profile

New joinee's from power utilities, power generation, transmission companies and industries

Prerequisites

Degree or diploma in engineering, basic knowledge of power system

Topics**Circuit Breakers**

- Construction & operation.
- Components – interrupter, operating mechanism.
- Control schematics.
- Testing practices & care.
- Maintenance & troubleshooting.

Instrument Transformers

- Construction and operation.
- Components – primary, secondary, EMR FR Circuit.
- Testing practices & care.
- Maintenance & Troubleshooting.

Surge Arrestors

- Construction and operation.
- Components.
- Testing practices & care.
- Maintenance & troubleshooting.

Power Transformers

- Construction & operation.
- Transformer application.
- Name plate parameter identification.
- Transformer accessories.
- Site care and testing.
- Maintenance and trouble shooting.

Course type

This is an instructor led seminar with extensive practical exercises at demonstration room, switchyard and manufacturing facilities. The course language is English.

Laptop or tablet is required to have access to the e-documentation. Please bring your own device.

Duration

The duration of the course is three days.

Safety

Participants must wear safety toe shoes or boots while entering the labs.

To Register:

LMS:-[MyLearning](#)

Sign In: check [IE browser setting](#) Click SIGN IN to Sign-up or Log-in with your ABB account.

Search: please enter course number INTCV189 into the search field. (Please check the language filter EN)

The latest version of the course portfolio, and course schedule can be found on our

ABB PowerTEC Webpage :

<http://new.abb.com/service/abb-university/india>

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