

Course description

INTCV163

Operation and Maintenance of Distribution Transformers

Course goal

The goal of the course is to improve the ability of Personnel from Power distribution Utilities & industries and Consultants responsible for engineering, commissioning, operation and Maintenance of substations to use and maintain the distribution transformers in better way.

Learning objectives

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

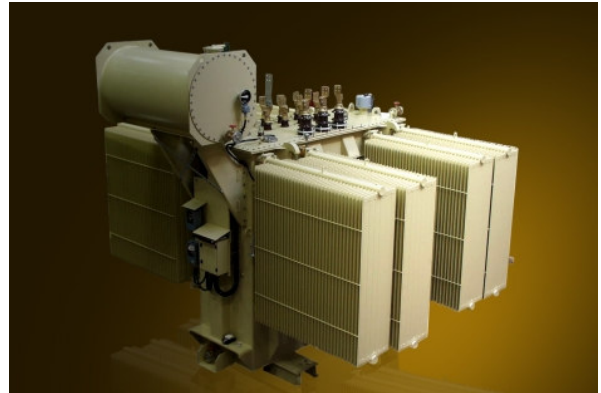
- understand the critical elements of distribution transformers
- understand the operation of distribution transformers
- understand the maintenance and troubleshooting techniques and procedures of distribution transformers
- understand the do's and don't for distribution transformers

Participant profile

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

Prerequisites

- Degree or diploma in engineering,
- Basic knowledge of power system



Topics

- Introduction,
- Operation and construction
- Tests to check the adequacy of transformers
- Insulation co-ordination of transformers
- Earthing, loading, maintenance and protection of transformers
- Failure, failure analysis & Condition monitoring of transformer
- Repairing of Faulty Transformers
- Condition monitoring of transformer oil
- RLA of paper insulation by furan analysis
- Common Problems Faced & Troubleshooting

Course type and methods

This is an instructor led seminar with demonstration at switchyard and Manufacturing facilities. The language of the course is English.

Course duration

The duration of the course is Two day

ABB Limited

Power Technologies Training Centre

P.O. Box 124

Maneja, Vadodara, India

Phone: +91 265 2604448

Fax: +91 265 2638911

E-Mail: dilip.shah@in.abb.com

www.abb.com/abbuniversity