

Course description

INTCV175

Capacitor Banks

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 Capacitor Banks 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 operation & maintenance of Capacitor Banks
- 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

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



Topics

- Need of Capacitor Banks
- Power Capacitor Technologies & characteristics
 - Externally fused,
 - Internally fused &
 - Fuseless power capacitors
- Capacitor Bank Design & operation
- Operation – Do's & don't
- Capacitor Bank Maintenance & troubleshooting
 - Different types of capacitor measuring devices and their impacts on the results,
 - Capacitance measuring techniques
 - Diagnostic and protection
 - Safety
- Capacitor Bank Protection

Course type and methods

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

Course duration

The duration of the course is Two days.

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

Power and productivity
for a better world™

