Training centre facilities
Vadodara, India
Training Centre Facilities

- Demo-room with operating models
- Practice benches for hands-on training
- Outdoor switchyard with high and medium voltage switchgear, power and distribution transformers and other power technology products
- Sophisticated learning aids such as, simulations, product cut-outs and multimedia presentations
- Well-equipped classrooms with an instant access to ABB group e-learning sites
Training Centre Facilities
Demo Room – Product Cutouts

Demo Room
Practice Benches
Demo Switchyard
Learning Aids
Class Rooms

72.5 kV Plug & Switch system
145 kV Capacitor Voltage Transformer
245 kV Circuit Breaker Arc chamber type LTBE
145 kV Circuit Breaker Arc chamber type LTBD
72.5 kV Circuit Breaker pole type EDF
66 kV Current Transformer type IMB
Training Centre Facilities
Demo Room

**Demo Room**
- Practice Benches
- Demo Switchyard
- Learning Aids
- Class Rooms

**Generator Circuit Breaker – Type HECS -130L**
Training Centre Facilities
Demo Room

- Demo Room
- Practice Benches
- Demo Switchyard
- Learning Aids
- Class Rooms

Generator Circuit Breaker – Type HECS -130L
On Load Tap Changer – Type UC
Training Centre Facilities
Demo Room

- 72.5kV PASS (Plug & Switch System) Module
- Breaker Pole for 145 kV SF6 Circuit Breaker Type – ELF
- Breaker Pole for 145 kV SF6 Circuit Breaker Type – LTBD1
- Breaker Pole for 72.5 kV SF6 Circuit Breaker Type – EDF

Demo Room
Practice Benches
Demo Switchyard
Learning Aids
Class Rooms
Training Centre Facilities
Demo Room

- Breaker Operating Mechanism Type – BLG
- Breaker Operating Mechanism Type – BLK222
- Breaker Pole for 145 kV SF6 Circuit Breaker Type – ELF
- Breaker Operating Mechanism Type – FSA
Training Centre Facilities
Demo Room

- On Load Tap Changer (with Cutout)
- Polymer Insulator Surge Arrestors
- 11 kV – HPA – SF6 Circuit Breaker
Training Centre Facilities
Demo Room

Demo Room
Practice Benches
Demo Switchyard
Learning Aids
Class Rooms

- Relay panels with numerical relays (Relion®, SPACOM & RE_ series)
- SCADA for control & monitoring of Switchyard
Training Centre Facilities
Demo Room

- Demo Room
- Practice Benches
- Demo Switchyard
- Learning Aids
- Class Rooms

- Power Transformer Cut Model
Training Centre Facilities
Demo Room

- Demo Room
- Practice
- Benches
- Demo
- Switchyard
- Learning Aids
- Class Rooms

- Unisafe Panel with 12 kV CB type VD4 & REF542plus Relay
- 12 kV Ring Main Unit (RMU) with REJ603 Relay
- Safesix Panel – Type VHA with 12kV CB type HPA, REF542plus Relay & HV Cable Accessories fitted inside the panel
Training Centre Facilities
Demo Room

Demo Room
Practice Benches
Demo Switchyard
Learning Aids
Class Rooms

Unigear Panel - Type ZS1 with 11 kV Circuit Breaker type VD4 (40kA) & REF615 Relay

12kV Ring Main Unit – SafeLink CVC
Training Centre Facilities

Demo Room

- Practice Benches
- Demo Switchyard
- Learning Aids
- Class Rooms

33kV Gas Insulated Switchgear - Type ZX2
Training Centre Facilities
Demo Room – Product Components

Demo Room
Practice Benches
Demo Switchyard
Learning Aids
Class Rooms

- Compressor cut out
- Circuit Breaker components & cutout model
- Transformer Accessories
Training Centre Facilities
Practice Room

Demo Room
Practice Benches
Demo Switchyard
Learning Aids
Class Rooms

Hands on Practice of assemblies
Circuit Breaker Pole
Pneumatic Drives
Spring Drives
Power Technologies Training Centre
Class Room with Protection Relay Demonstration Panel
Training Centre Facilities
Demo Switchyard

Demo Room
Practice
Benches

Demo Switchyard
Learning Aids
Class Rooms
Training Centre Facilities
Demo Switchyard

Demo Room
Practice Benches
Demo Switchyard
Learning Aids
Class Rooms

420 kV
SF6 Circuit Breaker
Type – LTB420E2
Training Centre Facilities
Demo Switchyard

Demo Room
Practice Benches
Demo Switchyard
Learning Aids
Class Rooms

245 kV
SF6 Circuit Breaker
Type - ELF SL 4 -1
Training Centre Facilities
Demo Switchyard

Demo Room
Practice Benches
Demo Switchyard
Learning Aids
Class Rooms

245 kV
SF6 Circuit Breaker
Type – LTBE1
Training Centre Facilities
Demo Switchyard

Demo Room
Practice Benches
Demo Switchyard
Learning Aids
Class Rooms

145 kV
SF6 Circuit Breaker Type – LTB145D1/B with FSA operating mechanism
Training Centre Facilities
Demo Switchyard

- Demo Room
- Practice Benches
- Demo Switchyard
- Learning Aids
- Class Rooms

145 kV
SF6 Circuit Breaker
Type – LTB145D1/B with BLK222 Operating Mechanism
Training Centre Facilities
Demo Switchyard

Demo Room
Practice Benches
Demo Switchyard
Learning Aids
Class Rooms

72.5 kV Circuit Breaker
Type – EDF SK 1-1
Training Centre Facilities
Demo Switchyard

- Demo Room
- Practice
- Benches

Demo Switchyard
Learning Aids
Class Rooms

Disconnected
Type – SGF – Center Break
Training Centre Facilities
Demo Switchyard

Demo Room
Practice Benches
**Demo Switchyard**
Learning Aids
Class Rooms

Disconnected
Type – SGF – 145kV – Double Break
Training Centre Facilities
Demo Switchyard

Demo Room
Practice
Benches

Demo Switchyard
Learning Aids
Class Rooms

245 kV
Capacitor Voltage Transformer

245 kV
Current Transformer Type IMB

66 kV
Current Transformer Type TMBR

145 kV
Composite Insulator Current Transformer Type IMB
Training Centre Facilities
Demo Switchyard

- 145 kV Transformer Bushing
- 50 MVA 11kV/145kV Power Transformer with accessories
  - Conservator
  - Radiator Bank
  - MOLG
  - PRV
  - OCTC
  - Buccholz Relay
  - Oil Surge Relay
  - Breather
Training Centre Facilities
Demo Switchyard

Demo Room
Practice Benches
Demo Switchyard
Learning Aids
Class Rooms

33 kV Vacuum Circuit Breaker
Type VBF

11 kV Circuit Breaker (Magnetic drive)
Type SDB
Training Centre Facilities
Demo Switchyard

Demo Room
Practice
Benches
**Demo Switchyard**
Learning Aids
Class Rooms

Outdoor Capacitor Bank with 6 units
Each of 333.33 kVAr capacitor
Training Centre Facilities
Demo Switchyard

- Demo Room
- Practice Benches
- Demo Switchyard
- Learning Aids
- Class Rooms

Outdoor Capacitor Bank with 3 units
Each of 200 kVAR capacitor
Training Centre Facilities
Demo Switchyard

Demo Room
Practice
Benches

Demo Switchyard
Learning Aids
Class Rooms

Single Phase Distribution Transformer
25kVA, 6.3kV/240V
Training Centre Facilities
Motor and Generators

Demo Room
Practice
Benches

Demo Switchyard
Learning Aids
Class Rooms

- Motor Cut Models and motor accessories
Training Centre Facilities
Motor and Generators

Demo Room
Practice
Benches

Demo Switchyard
Learning Aids
Class Rooms

Wind Generator Cut Model
Training Centre Facilities
Learning Aids

- **Demo Room**
- **Practice Benches**
- **Demo Switchyard**

**Learning Aids**

- **Class Room Presentations**
- **Demonstrations & Hands on Practice at Demo room & switchyard**
- **Demonstration of Pre-commissioning testing**
- **Multimedia animations**
- **Factory visits for physical demonstration of best assembly & testing practices of products**
- **e-Library**
Two Air Conditioned Class Rooms fully equipped with

- Instant access to ABB Group e-learning
- Wi – fi access
- Sophisticated learning aids such as, simulations and multimedia presentations
Training Centre Facilities

Class Room

- Demo Room
- Practice Benches
- Demo Switchyard
- Learning Aids
- Class Rooms

- Air Conditioned auditorium
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