



Communication Networks Training Centre : 21.05.2015

# Training Centre Facilities Mumbai, Andheri Location

# Communication Network location: Mumbai



- Products : Power line carrier communication, Fiber optic communication & Wireless mesh networks.



# Training Centre Facility

## Mumbai Location Demo Room

### Demo Room

Practice Benches

Learning Aids

Class Rooms



# Training Centre Facility

## Demo Room

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- Digital PLCC link : ETL 600
- Up to 4 integrated programmable low-delay narrowband modems, with speeds up to 9600 bps
- Integrated high-speed broadband modem for up to 256 kbps user data rate
- Up to 16 digital compressed voice channels for telephony services
- LAN interface for Ethernet/IP traffic and equipment configuration
- Graphical User Interface (GUI) for convenient operation and maintenance



# Training Centre Facility

## Demo Room

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- **Fiber Optic Multiplexer : FOX 515**
  - Communication solution from 64 kbit up to STM-1.
  - PDH, across-connect capacity of 128 \* 2 Mbit/s (n\*64 kbit/s and 2 Mbit/s).
  - SDH a capacity of 4\*VC4
  - supports remote Configuration- and System-Software-Download.
- **Digital Teleprotection : NSD 570**
  - For analogue and digital communicationlinks
  - 4 or 8 independent commands
  - Each command configurable for blocking,permissive or direct tripping Integrated event recorder
  - Remote configuration Browser-based Human Machine Interface
  - Web-enabled with optional LAN/Ethernet Interface



# Training Centre Facility

Analog PLCC : ETL 41, Protection coupler NSD50, VFT Modem NSK-5

Demo Room

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# Training Centre Facility

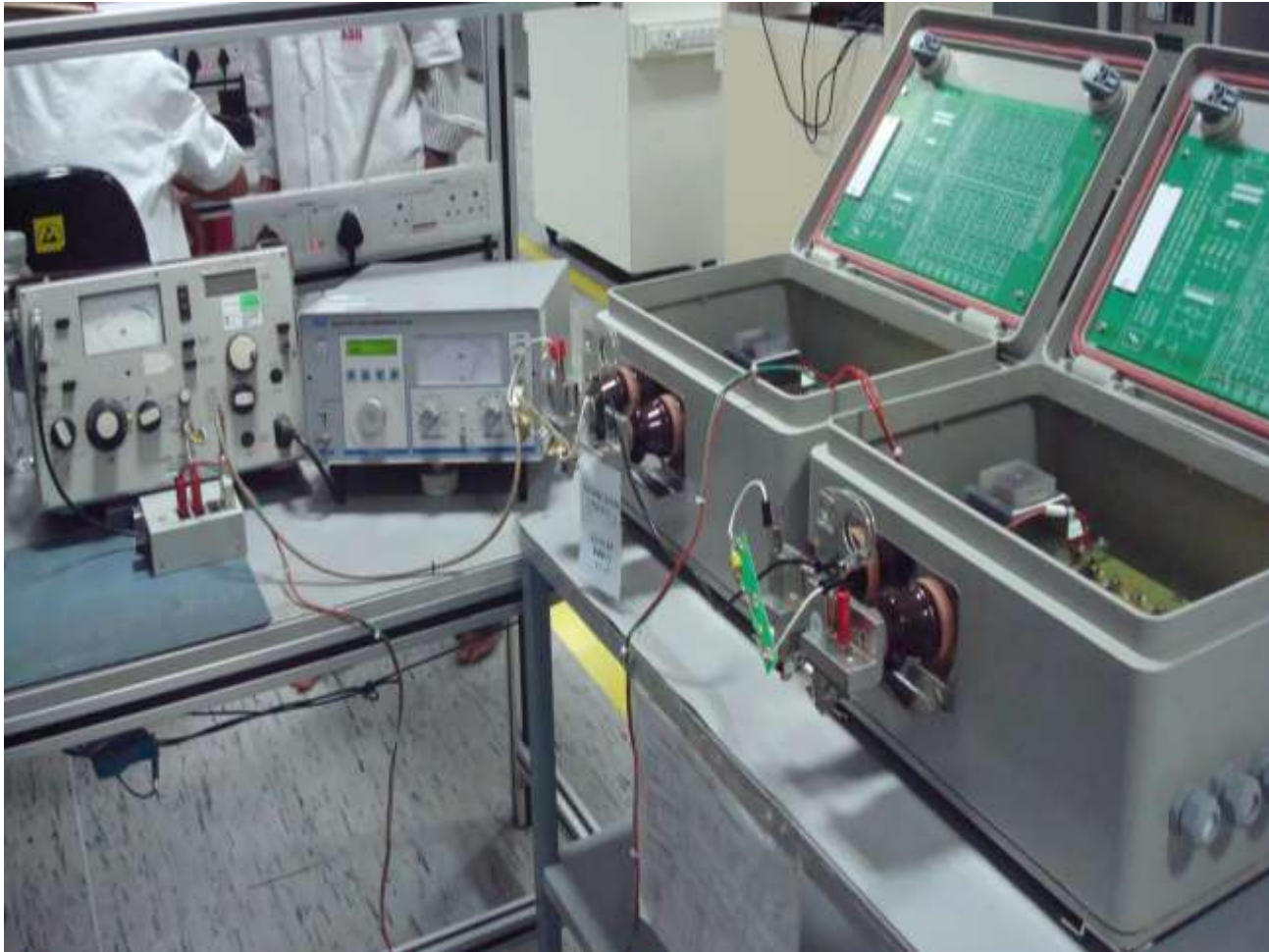
## Coupling Device: MCD 80

Demo Room

**Practice Benches**

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# Training Centre Facility

## Fiber Optic Multiplexer : FOX 615

Demo Room

**Practice Benches**

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# Training Centre Facility

## Software Configuration tools for ETL & FOX family

- Demo Room
  - **HMI 600** : Configuration and alarm monitoring software tool for ETL6 00
- Practice Benches
  - **FOX CST** : Configuration and alarm monitoring software tool for FOX 615.
- Learning Aids
  - **UCST** : Configuration and alarm monitoring software tool for FOX 515
- Class Rooms
  - **HMI 570** : Configuration and alarm monitoring software tool for Teleprotection equipment NSD570.

### Functionality Demonstration / Hands on software configuration tools

#### **Fault Management**

- Status supervision , Alarm documentation

#### **Configuration Management**

- Equipment configuration

#### **Performance Management**

#### **Safety Management**

- Access / Intrusion Control

# Training Centre Facility

## Learning Aids

Demo Room

Practice Benches

**Learning Aids**

Class Rooms

- Technology & Product Presentation in Class room
- Hands on practice at Demo room.
- Simulation of application with the dedicated instruments & Software.
- Factory visit for state of art PCB assembly shop & Communication equipment assembly & testing practice.

# Training Centre Facility

## Class Room

Demo Room

Practice Benches

Learning Aids

**Class Rooms**



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