

*File Note – Practical / Hands-on Training Program
for CBIP PGDC Batch*

Placement Linked Program

**26 Weeks Post Graduate Diploma Course in
Transmission and Distribution Systems with
Automation, SCADA/ DMS**



VENUE

Central Board of Irrigation and Power

Centre of Excellence, Plot- 21, Sector-32, Gurgaon



At L&T Electrical and Automation, Switchgear Training Centre- Delhi

L&T Electrical and Automation, Switchgear Training Centre- Delhi, has conducted a special Practical Training Program on 'Introduction to Industrial Electrical System' for the batch of PGDC in Transmission and Distribution System with Automation (SCADA/ DMS).



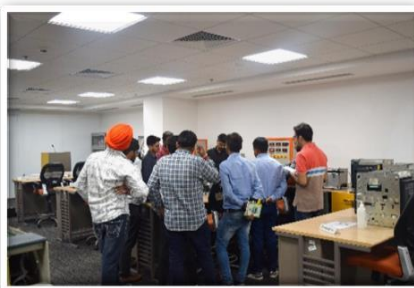
The special training program in hybrid mode has covered below mentioned topics:

- Overview of Power Systems
- Theory & Workshop Demonstration session on LV Switchgears (i.e., Contactor, Overload Relay, Motor Starters, LV Circuits Breakers)
- Basic overview of soft starter, drives, bus bar trunking, Power factor improvements
- Overview of Industrial Communication & Smart Switchgear
- Session on 'Campus to Corporate'.





At L&T Electrical and Automation, Switchgear Training Centre- Delhi



Tata Power DDL Learning Centre- CENPEID Delhi, has conducted a special training program on 'SCADA, Smart Grid, EV, Solar, Smart Meter Testing' for the batch of PGDC in Transmission and Distribution System with Automation (SCADA/ DMS).

The special training program has covered below mentioned topics:

- Overview of SCADA & ADMS
- Visit to Power System Control.
- Visit Generation Plant
- Cable fault location techniques.
- Operating principal of FLC Van.
- Visit to Transformer Workshop & FLC





****** Glimpse of the ERDA Lab in CBIP CoE Campus Gurgaon ******



BSES Rajdhani Power Limited, Delhi, has conducted a special training program for the batch of PGDC in Transmission and Distribution System with Automation (SCADA/ DMS).

The special training program has covered below mentioned topics:

- Operations, Preventive Maintenance and Break down maintenance of Distribution Transformer end to end on job training*
- Overview of Transformer workshop and RMU workshop.*
- Various type of HT & LT equipments and switchgears in various s/stns (Indoor & outdoor) and Features and Operation of various type of equipments & switchgears.*
- Field Visit of SCADA Center.*
- Overview of System Operation functioning & Stakeholders Reporting, Industrial Control System (ICS) and use in DISCOM, SCADA Hardware/ Software and Application in System Operation, Master Control Centre Servers and Workstations, Automation Philosophy, DMS Basics and FPI necessities, SCADA Communications and Subsystems.*
- EHV Grid Station, Unmanning of grid, safety at grid station, SCADA basics, Functioning of Operation Teams, Grid Equipment, Power Trf, Switchgears, Capacitors.*



Site Visit as part of Practical Training at 66kV GIS Grid Substation at Ambience Island, Sec-26, NH-8, Gurugram



Site Visit as part of Practical Training at 400/ 220 kV GIS Substation at Powergrid PAL Manesar, Gurugram



Practical Training at Sofcon India for PLC & SCADA

Sofcon India, Delhi has conducted a special Training program for the batch of PGDC in Transmission and Distribution System with Automation (SCADA/ DMS).

The special training program has covered below mentioned topics:

- *PLC Programming on Micrologix Series (Allen Bradley); Softwares:- Rstudio 500 & Rslinx classic*
- *SCADA Application Development on Intouch 10.1 Software (Invensys Wonderware)*
- *PLC AND SCADA Communication/ Interfacing:*



Site Visit as part of Practical Training at HVPNL 220kV / 66kV / 33kV Grid Substation at Sec-72, Gurugram



Site Visit as part of Practical Training at HVDC Station, PGCIL Dadri





CBIP CoE Lab, Gurgaon



The program was evidenced as a prodigious learning experience & was well appreciated & applauded by the participants