



Inplant Training at **MSETCL 400KV EHV SUBSTATION, APATA, AKOLA**

Organised by

Department of Electrical Engineering

from

8th March to 10th of March 2019

Objective:

To make aware students about the high voltage equipment's with their working at substation

About training:

Faculties of Electrical Engineering Department along with 35 final year electrical Engineering Students experienced In-plant Training at MSETCL 400KV EHV substation Apatapa, Akola from 8th of March 2019 to 10th of March 2019. UNDER THE GUIDANCE OF Mrs. C. A. Kale Additional Executive Engineer MSETCL, Apatapa, Akola.

It is one of the important High voltage substation in Maharashtra located at Apatapa Road Post. Ghusar, Tq. Akola, Dist. Akola. It is commissioned on 19th April 2009. It has a daily load transaction of 16000-17000 mWatt.

It has following sections:

- 1) 400 kV Switchyard
- 2) Relay Control Room
- 3) Battery Room
- 4) PLCC Control Room

There are 5 incoming and 3 outgoing lines of 400/220 kV in substation. In that Aurangabad 1 & 2, Bhusawal are outgoing lines while Wardha 1 & 2, Koradi, Nandgaon Peth, ICT are having incoming lines. The 400 kV switchyard has two bus bars, bus bar consists of double and quadra conductors per phase. The station has three 400/220/33 kV ICT (Interconnecting Transformers) of 105MVA each for three different phases and one spare ICT of same rating.



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Outcome:

MAHATRANSCO plays an important role in transmitting the electrical energy in our state. This training made the students aware about the high voltage equipment's with their working at substation. Students

