

A REPORT
ON INDUSTRIAL VISIT TO
220 kV Substation, MSETCL, Baramati

(on 14 Dec 2022)

Subjects:

- 1. Material Science**
- 2. Electrical Measurement and Instrumentation**

SE Electrical

Department of Electrical Engineering

Vidya Pratishthan's Kamalnayan Bajaj Institute of Engineering & Technology, Baramati

Second year Electrical Engineering students along with faculty visited to 220 kV Substation, MSETCL, Baramati on 14 Dec 2022 as a part of SPPU, Pune curriculum for subjects Material Science and Electrical Measurement & Instrumentation.

Staff Accompanied:

1. Mr. P. D. Upadhye
2. Mrs. V. V. Deokate
3. Mr. H. M. Shaikh
4. Mr. S. D. Shelar

Students participated: 75

MSETCL is a state owned Transmission Company of Maharashtra state. 220 kV substation at Baramati is an important substation in western region of Maharashtra which transmits power to Solapur, Satara, Kolhapur, Sangli districts and some part of Pune district.

Mr. Dhiraj Dehankar, Assistant Engineer and Mr. Tushar Walimbe, Assistant Engineer from MSETCL acted as resource persons for the industrial visit. Initially, students were made aware about the single line diagram of 220 kV substation and then yard visit was carried out. Students could see the real life CTs, PTs, Power Transformers, different insulations such as bushings made of porcelain, PVC on cables, etc. Conductors made of copper and aluminium of different sizes were also shown to students. Earthing was also introduced followed by capacitor bank by the resource persons. Control room shown by the staff of MSETCL was an additional interesting part for the students.

At the end of the visit, breakfast was offered to students by the MSETCL Staff. All the staff was kind and cooperative throughout the industrial visit.

Acknowledgement:

We are thankful to Mr. Dhiraj Dehankar, Assistant Engineer and Mr. Tushar Walimbe, Assistant Engineer from MSETCL for sparing their valuable time to act as resource persons. We are thankful to the Management of MSETCL for permission to visit 220 kV substation at Baramati. We are also thankful to Honorable Principal Dr. R. S. Bichkar and HOD Mr. R. S. Tarade for their guidance and allowing us to go for this industrial visit.

Few photographs of Industrial Visit:



SE Electrical Students, Faculty and MSETCL Resource persons



SE Electrical Students with MSETCL resource person in the yard



SE Electrical Students with MSETCL resource person in the yard



SE Electrical Students with MSETCL resource person in the yard