

**Electrical and Electronics Engineering Department**

**Report**

**INDUSTRIAL VISIT – DELHI TRANSCO LIMITED**

**Date: 20<sup>th</sup> September 2023**

**Place: DTL Substation PPK-III, DWARKA, Sector-19, New Delhi – 110075**

Department of Electrical and Electronics Engineering organized an industrial visit to Delhi Transco Limited, Dwarka 220kV/66KV Grid sub-Station Pappankalan-III, Dwarka, New Delhi to enhance the industrial and practical knowledge of the students. EEE III semester students. Mr. Sachit Rathee (Assistant. Prof. ) and Mr. Amit (Lab Assistant) accompanied the students.

Delhi Transco Limited, formerly Delhi Power Supply Company Limited is the State Transmission Utility for the National Capital Territory of Delhi. It is responsible for the transmission of power at 220 kV and 400 kV levels and for upgrading, operating, and maintaining the high-voltage network.

Everyone reached the switchyard by 10.30 a.m. An engineer-in-charge Mr, Vijay (Assistant. Manager) received us at the entrance and gave a brief introduction about the working of the substation. Then he explained the Single Line Diagram. After this, he took all the students and faculty inside to show the control room from where they monitor all the machines like transformers, line isolators, circuit breakers, etc. They even showed us the panel where the machine's status is displayed. He then showed us the inside of the substation and explained to us in detail the function of each part of the transformer and other important details of all the equipment used. He described the whole process in detail.

The engineers -in-charge cleared the doubts of all the students. Everyone left the power plant at 2 o'clock. Students were very happy and satisfied with the knowledge they gained through this visit.

**Dr. Sonia Goel**  
**Asstt. Prof. EEE**

Photographs



