

## **TATA HYDRO POWER PLANT INDUSTRIAL VISIT REPORT**

Venue: Tata Road, Bhivpuri Camp, Maharashtra 410201

Date: 24th March 2023

Time: 9:30 pm - 1:30 pm

Faculty Coordinators:

Mr Bharat Bhandary (TPO DBIT)

Prof. Nilesh Gaware (Mech Dept)

Total No. of Students Visited: 67

The Tata Hydro Power Plant located at Bhivpuri is a renowned hydroelectric power plant that generates clean and renewable energy. The Mechanical Engineering department of our college organized a one-day industrial visit to the plant for the students of the third year. The purpose of the visit was to provide an opportunity for the students to gain practical knowledge about the working of hydroelectric power plants and understand the concepts of energy conservation, productivity improvement, and cost control in the industrial setting.

We visited the generator room, where we were shown the process of converting mechanical energy into electrical energy. The guide explained the working of the generator and the various components involved in the process. We were then taken to the control room, where the plant's operation is monitored and controlled. The guide explained the various parameters that are monitored in real-time to ensure the plant's smooth and efficient operation. We also learned about the safety measures taken to avoid any accidents or mishaps. The guide explained the importance of the penstock and its maintenance for the plant's efficient operation.

In conclusion, the industrial visit to the Tata Hydro Power Plant was a great learning experience for the students. The visit provided us with practical knowledge about the working of a hydroelectric power plant, and we gained a deeper understanding of the concepts of energy conservation and cost control in the industrial setting. We are grateful to the management and staff of the plant for providing us with this opportunity to gain practical

knowledge and experience.