

Report on Torrent Power Plant Visit

On September 18, 2023, our group had the privilege of visiting the Torrent Power Plant located in Sabarmati.

Our visit commenced with an insightful presentation in the Project Room. Mr. Kartik Aiyar guided us through a miniature working model of the Torrent Power Plant. This miniature model provided us with a visual representation of the AMGEN (Ahmedabad GEN) plant's operations. Mr. Aiyar explained the core workings of the plant, giving us a solid foundation to build upon during the rest of our visit.

After the Project Room session, we were divided into groups and taken on a comprehensive tour to the F-Section(France Section) of the plant. We had the opportunity to visit various key areas, including the field, boiler, and control room. Each stop was accompanied by detailed explanations of the respective models and equipment.

During this segment, we observed the actual field operations of the Torrent Power Plant. We were shown the real-life processes that contribute to electricity generation, which enhanced our understanding of the plant's functioning.

Our next stop was the boiler section, where we learned about the critical role boilers play in converting water into steam. The guide explained the importance of maintaining efficiency and safety in this part of the plant.

In the control room, we witnessed the nerve centre of the operation. The control room staff showed us how they monitor and manage the plant's operations in real-time. This visit emphasized the precision and coordination required to run a power plant smoothly.



Our visit culminated in the Simulation Room, where we were given a detailed presentation on the Torrent Power Plant's mission and vision. We learned about the company's commitment to efficient and sustainable power generation, as well as their dedication to environmental responsibility. The simulation room allowed us to visualize the impact of Torrent Power's efforts on a larger scale.

We extend our heartfelt appreciation to the Torrent Power HR team for their warm welcome and their role in organizing our visit. Their knowledge and dedication to creating a safe and efficient work environment were evident throughout the plant.

We would also like to express our gratitude to our faculty guide, Prof. T.V. Shah, Prof. H.K. Shastri, Mr. Vishal Patel and Maya Mam for providing us with this invaluable opportunity and guidance throughout our visit. His expertise and support greatly enriched our learning experience.

Our visit to the Torrent Power Plant in Sabarmati was an enlightening experience that deepened our understanding of power generation. We left with a profound appreciation for the complexities and precision required in running a power plant of this magnitude. We look forward to applying the knowledge gained from this visit in our academic and professional journeys.