



GONDIA EDUCATION SOCIETY'S
**SETH NARSINGDAS MOR COLLEGE OF ARTS, COMMERCE &
SMT. G. D. SARAF SCIENCE COLLEGE,
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Ref. No.: SNMC/2025/

Date: 17/10/2024

DEPARTMENT OF CHEMISTRY

Industrial Visit at Adani Power Maharashtra Limited, Tirora

Introduction: Industrial visits are arranged by colleges for the students to provide an opportunity to explore different sectors in which the students are passionate about it, Manufacturing, services, finance, and marketing. Industrial visit helps to mix theoretical knowledge with practical knowledge in a good way. Hence, Industrial realities are opened to the students through industrial visits. This visit aimed to provide students with firsthand experience of the firsthand of a large-scale power generation facility and its operations in the energy sector. The students from diverse disciplines were keen to learn about power generation technologies, environmental practices, and the company's contributions to sustainable energy.

Participants: This visit was organized by department of Chemistry, S. N. Mor College of Arts & Commerce and Smt. G. D. Saraf Science College, Tumsar, at Adani Power Maharashtra Limited, located in Tirora. Total 40 numbers of students from **B.Sc. students SEM- I, II & V**) and 3 faculty members are actively participated in this study tour. Faculty members Dr. Pravin A. Dhakit, Prof. Pankaj L. Pardhi, Prof. Vaishali T. Parate are accompanied to visit.

Industrial Visit Schedule: A total strength of **52 including 49 students along with 03 faculty members** of Chemistry Department on dated -15/08/2024. All the students approached college by 08:30 am and started the journey by 09:00 am. After overall communication we reached Adani Power Maharashtra Limited, Tirora by 10:00am. The Schedule of visit was divided in three sessions; **First session** was started from 10:15 am to 11:30 pm in which they give presentation on the company's history, mission, and vision and overview of its power generation capacity and infrastructure. In **Second Session** was from 11:45 AM - 1:00 PM, where students Adani Skill Development Centre, gives overview the skill development, vision & Initiatives. Introduction on various skill development courses offered Explanation of the power generation cycle (coal handling, combustion, steam generation, electricity generation). **Third Session** from 2:30 pm 04:00 pm for Plant Visit, guided tour of the thermal power plant, including the control room, turbine section, boiler, section, CHP are and Chemistry department. In between second and third session there was Lunch Break from 01:00 pm to 01:30 pm Adani Power Maharashtra Canteen and we leave plant at 04:00 pm and reached college at 05:00 pm.



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Purpose of the industry visit: Main aim of industrial visit is to provide an exposure to students about practical working environment. They also provide students a good opportunity to gain full awareness about industrial practices. Through industrial visit students get awareness about new technologies while studying in college before, theoretical classes are so boring; to balance the situation and keep it more interesting practical knowledge has been introduced. Nowadays practical and other curricular activities are included in the part of the syllabus so that students can study more diligently. Similarly, an Industrial visit is a type of practical knowledge that introduces us to the working world. Before proceeding, we need to know what the industrial visit is.

Objective of the industry visit: The objective of an industrial visit is to provide students with an insight into the corporate world. It provides students with a practical real-world perspective on different functions in organizations such as to understand the process of power generation in a thermal power plant, operation and maintenance, know about some advance instrument like pH Meter, Cond. Meter, Turbidity Meter, Spectrophotometer, ICPMS, GCMS, IVS, PSF, UF, RO to enhance students' practical knowledge in complementing their academic learning. The main aim of industrial visits \ Educational trips is to give exposure to the students about the practical working environment with theoretical learning. They provide students a good opportunity to achieve full awareness about industrial practices and working.

Outcome /Observations: The students gained a practical understanding of the complex systems involved in the water treatment plant, chemical laboratories, generation and distribution of electricity. Many students expressed a keen interest in pursuing careers in the energy sector, especially in Chemistry department, power generation, and environmental management. The visit highlighted the importance of sustainability and responsible industrial practices in Chemistry exposure, mitigating environmental impact. Students learned about the importance of safety measures in industries and how they are implemented in large-scale operations.

Conclusion:- The industrial visit to Adani Power Maharashtra Limited, Tirora, was a valuable learning experience for the students of Department of Chemistry, S. N. Mor College of Arts & Commerce and Smt. G. D. Saraf Science College, Tumsar. It provided them with a practical understanding of Chemical Laborites, Power Generation, Industry Practices, Environmental Management, and Safety Protocols. The visit also opened avenues for future exploration in the field of energy, making the students more aware of the modern industrial practices that contribute to



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national development. This practical knowledge will be helpful to students for enhancing their interest in the subject and developing the employment and scientific approach for their future carrier.

Photos:

