

**Report of Industry Visit at Adani Ambuja Cement Plant, at Sankrail,
Howrah**

Organized by

Department of Civil Engineering

Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex

In Collaboration with

T&P Cell and Adani Cement

Title: Industry Visit at Adani Ambuja Cement Plant, at Sankrail, Howrah

Venue: Adani Ambuja Cement Plant, at Sankrail, Howrah

Date: 23.02.2026, 10.30 AM onwards

Number of Participants: 25

Objective: The primary intent of this industry visit was to provide Civil Engineering students with a comprehensive bridge between theoretical textbook concepts and the practical complexities of large-scale cement manufacturing. By stepping onto the shop floor of the Adani Ambuja Cement Plant, the participants aimed to gain a first-hand understanding of the mechanical and chemical processes involved in producing high-grade construction materials, specifically focusing on the grinding, blending, and quality testing phases.

Brief Description: The Department of Civil Engineering at Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex, in collaboration with Adani Cement, organized a comprehensive industry visit to the Adani Ambuja Cement Plant. This visit was designed to bridge the gap between theoretical classroom knowledge and practical industrial applications.

The visit commenced with a safety briefing by the plant's safety officers, emphasizing the importance of Personal Protective Equipment (PPE) in a heavy manufacturing zone.

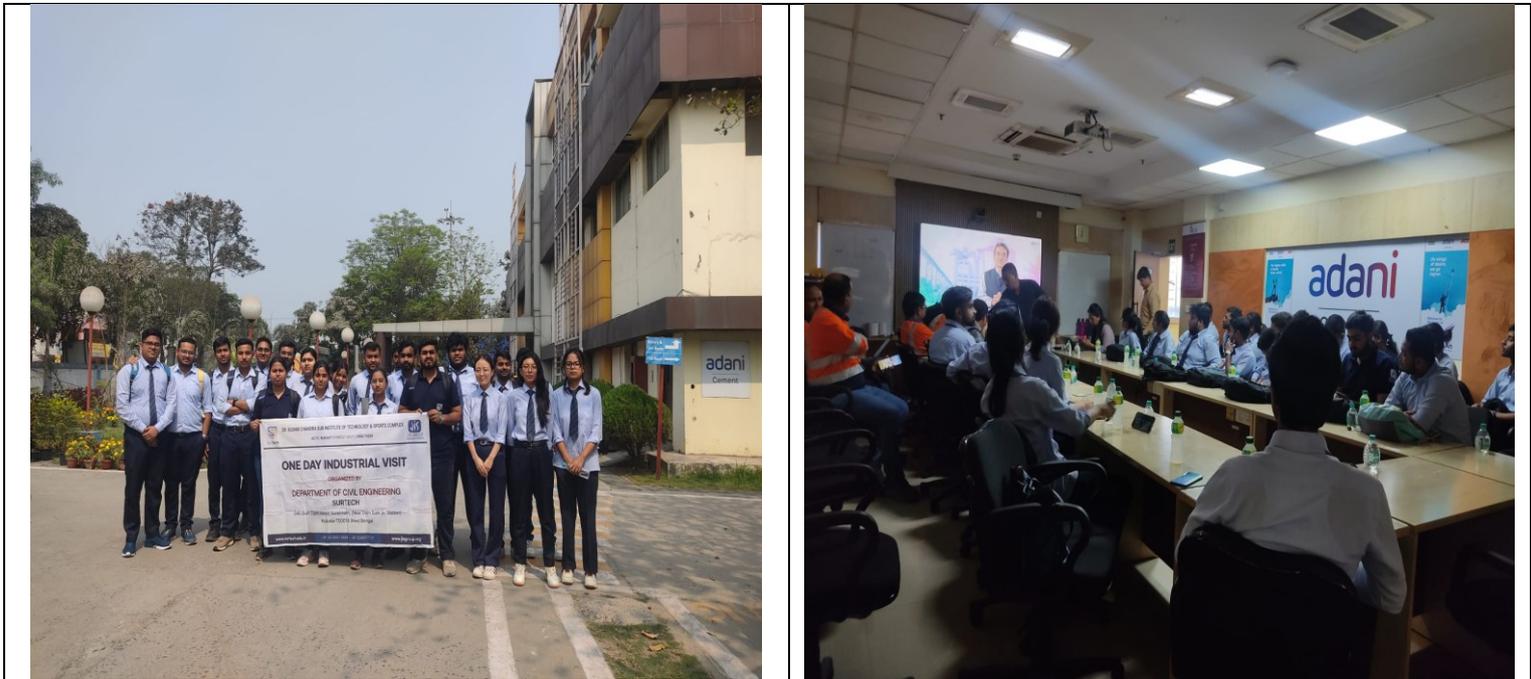
Key Technical Highlights:

- **Raw Material Management:** Students observed the storage and handling of clinker, gypsum, and fly ash.
- **The Grinding Process:** The technical team explained the operation of the grinding units where raw materials are processed into fine powder.
- **Automation & Control:** A visit to the Central Control Room (CCR) demonstrated how the entire plant is monitored using advanced SCADA systems to maintain efficiency and precision.
- **Laboratory Testing:** The Civil Engineering cohort was shown the physical and chemical testing labs, where samples are tested for compressive strength and fineness—critical parameters for any construction project.

Outcome: By the end of the visit, the participants achieved the following:

- **Enhanced Knowledge:** Students gained a clear understanding of the transition from raw materials to a finished construction product.
- **Industry Integration:** The interaction with on-site engineers provided insights into current industry trends and the evolving role of a Civil Engineer in industrial management.
- **Process Familiarization:** Participants learned about the importance of "Quality Assurance" vs. "Quality Control" in a real-world setting.
- **Professional Networking:** The collaboration fostered a relationship between the institute and Adani Cement, opening doors for future internships and placement opportunities.

Please find the glimpses of the event -



Industry Visit at Adani Ambuja Cement Plant, at Sankrail, Howrah on 23.02.2026