



## CIVIL ENGINEERING DEPARTMENT

### An Industrial Visit Report on Adani Hazira Port Pvt. Ltd.

An Industrial visit to Adani Hazira Port Pvt. Ltd. (AHPPL) was organized by the Civil Engineering Department under the Project UDAAN by Adani Foundation which is a project inspired by the life-changing story of Mr. Gautam Adani, the Chairman of the Adani Group. As a college boy, Mr. Gautam Adani had visited the Kandla port, Gujarat and after looking at the expanse of the port, he dreamt of having his own port one day. The rest is history.

Udaan is a learning based initiative focused on the youth coming from various schools/colleges across the state of Gujarat. Under this project, an exposure tour is organized wherein students are given a chance to visit the Adani Port, facilities at the Hazira site, to get an insight into the large scale business activities carried out there.

The visit was commissioned on 5th and 6th September. B.E. 4th year Sem 7(A & B) Civil Engineering students were accompanied by 7A – Prof. Nikunj M. Ashiyani, Prof. Jency P. Mevawala and 7B – Prof. Chaitali D. Solanki, Prof. Dev P. Naik. Total 39 students from 7A and 36 students from 7B were present with 2 faculties on each day. The major objective behind organizing such trips is to encourage young minds to develop an interest in all sorts of enterprises and to encourage them to dream big in life. When the young students are given exposure, it helps them to understand their own potential and get motivated to work towards the same.

#### Key takeaways of the Industrial Visit

1. A fruitful discussion was undertaken about the importance of Civil Engineering in the field of logistics and the overall development of the industry.
2. A visit to fire safety department and the fire safety products they use for safety measurements at the port clubbed with the visit to marine room.
3. Finally the students were taken to visit and observe the entire port area from the bus.

The entire visit was mentored by Mr. Naresh Chiluke, Project Officer, Corporate Social Responsibility, Adani Foundation.

#### About Adani Group

The Conglomerate Adani Group consists of Adani Foundation, Adani Power, Adani Renewables, Adani Gas, Adani Transmission, Adani Energies, Adani Agri Logistics, Adani Australia, etc.

## **Adani Hazira Port Private Limited**

1. Spread over 25 kms area.
2. India's Largest Coal Storage Hub
3. India's Largest Port based Manufacturing Hub
4. India's Largest Commercial Port Company

## **Adani Hazira Port Businesses**

It comprises of Industrial Land, Logistics and Port & Terminals. Adani Ports and Special Economic Zone Limited (APSEZ) operates ports in Hazira, Mundra, Dahej, Dhamra, Kattupalli and terminals in Visakahapatnam, Mormugao and Kandla (Tuna-Tekra). The Ennore Container terminal and Vizhinjam port are in construction phase.

The Services and Commodities handled at AdaniHazira Port are

1. Liquid Cargo (Liquid, Crude)
2. Break Bulk Cargo (Steel, Project Cargo, Timber)
3. Dry Bulk Cargo (Coal, Agri., Minerals, Fertilizer)
4. Dredging Marine Services
5. Container Cargo (Containers, RoRo)

## **Brief Description of the Industrial Visit**

We reached the Adani Hazira Port at 9:45 am. The breakfast was offered at the Canteen Amenity. A brief presentation regarding the Adani Group was delivered by Mr. Naresh Chiluke, Project Officer, CSR, Adani Foundation. They commenced the session with the Adani Anthem which rejuvenated all of us present there. AHPPL has its own cape-size vessels and the company deals with an import-export business of coal and has its own thermal power plant, CNG plant, LPG plant and Solar plants across India. With an asset base of \$20M, Adani is India's one of the faster growing conglomerates.

The students were briefed about the Hazira Port. 15,000 to 20,000 Containers are transported per ship. Then we moved to fire safety department. Mr. Kinjal Patel briefed about the rules and regulations at the AHPPL regarding fire safety norms. We saw different fire safety equipments and its utilities. There are eight assembly points at the company and in case of a catastrophe, workers can move to the nearest assembly point to ensure safety. The port has 169 liquid tanks and the handling of liquid is carried through pipelines directly from the ship. The port also comprises of steel yard, coal yard and bulk yard.

Then students were taken to visit and observe the entire port area from our bus. We observed the 2.5 kms long conveyer belt used for easy handling of heavy goods. We saw mammoth containers of 20 to 40ft sizes. The entire port works on automation, so the staff size is 250. During any probable cyclone prediction, all the vessels are called off-shore and the company undertakes an efficient safety measures to avoid any catastrophe.

Then we were taken to the Marine control room. They use the software “Automatic Identification System” which uses GPS technique for the positioning of the vessel. Every vessel has a unique IMO (International Maritime Organization) number and is registered through that number. The communication device works on UHF for 5-6 kms and on VHF for 120 kms. Approximately 100 ships are handled at the port per month. That implies 3-4 ships per day.

Afterwards we took lunch, group photo and departed for SNPIT,Umrakh. In the nutshell, the overall experience was memorable. We extend gratitude to the Adani Group, Adani Foundation for providing us a wonderful opportunity to visit their esteemed industry.

### **Some Glimpses of the Visit**



**Compiled By:**  
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