



# **REPORT ON TWO DAY INDUSTRIAL VISIT AT ADANI INDUSTRIES UNDER THE AEGIS OF IEI STUDENTS CHAPTER. EED, LDCE**

March 16,2023

Ahmedabad

## **Introduction:**

The visit was conducted under the project UDAN, initiated by the Adani Foundation. It was a two-day industrial visit to Adani Group's facilities located in Mundra, Kutch. The visit was for 2 days and included visits to Adani Power, Adani West Port, Adani Main Port, and Adani Wilmar. The aim is to get an Industrial exposure for future endeavour of the students. On March 14,2023 started journey along with 38 students and 2 faculties.

## **Day 1**

Our journey started with pleasant morning at 4 am. from L.D Collage, Ahmedabad, after that have taken short halt to charged up with a breakfast at Viramgam on 6 am, Reached at our destination by entertaining the journey with sightseeing. At 1 pm. with a warm welcome from Adani group at Shanti Vihar, Mundra allotted rooms and after that we had a delicious lunch at 2 pm. After lunch we had a brief session for further schedule.

### **Adani Thermal Power Plant:**

The capacity of Thermal power plant is 4620 MW. The capacity is divided into 9 units and further comprising of 5\* 660MW and 4\*330MW of each. The authorities have described every single detail of power plant and clarify the queries of students with the help of model present there. It supplies power not only in Gujarat but also to Haryana. Also witnessed there one of the longest H.V.D.C transmission line around 1300 km, Capacity of 500 kv. This power plant is mostly used in peak load condition. In the power plant environmentally, friendly weather is observed by us.

## **Adani West Port:**

After visiting power plant, we marched towards 'Adani West Port'. It is India's largest importer/exporter of goods includes crude oil, coal, Automobile, etc. We observed one boat they called as a 'Dolphin', helps captain to reached to their ship to load/unload the goods. It has a capacity to handle more than 5 ships at a time. It play an important role in generating electricity at thermal power plant due to coal. Coal is imported from countries i.e. Indonesia and Australia. Through STS (Shift to Store) crane unload goods. Coal is direct conveying through conveyer belt of speed 7 to 8 m/s. Conveyer belt is connected to Adani power plant of range around 12 km as well as with Tata power plant of range around 18 km.



## **Back to Shanti Vihar:**

After having a group photo with our faculties, we were back to guest house, after having a cup to tea at 6 pm we were brief for further activities. At 7 pm we went to our devotion and address arti at “Shantinath Mahadev” mandir and after taking blessing we went to dinner at 8 pm. After having a delicious dinner at 9 pm we meet an authorities of Adani foundation, promoting handmade imitation build by woman of rural areas. Adani Foundation is non-profit foundation work for rural ones and work in other domains i.e. Health, Education, etc. Also, project ‘Udaan’ is a part of Adani foundation. After that we be a part of garba and other activities i.e. stage performance, etc. Around 10:30 pm T-shirt and cap is distributed by authorities and Lights off.

## **Day 2**

After taking a 6 hour of sleep we woke up at 5:30 am. Peaceful Yoga session held at 6:30 am after that one laughing session were taken by authorities. After energizing the mind and body time to have a breakfast at 8 am. Around 9:30 am we checked out from shanti vihar and to progress towards Adani Main port.

## **Adani Main port:**

Around 10 am we witnessed Adani largest commercial port around 135 sq km. Cargo handling capacity is around 248.82 MMT. It includes fertilizers, Agri products, Mines & Minerals, Steel & Project cargo. It has a capacity of storage of 15000 cars. All of these were trade through foreign countries in container i.e. Dry storage container, refrigerated container, ISO container, Special Purpose container, etc were used as per requirement. Around 13 km in sea, under water floating pipe line is established to import crude oil for HP, IOCL, etc. In Model room, for visitor a model is made easy to study full base of Adani main port. A journey of Adani is displayed in frame. Also, custom department of Government of India sets rules and regulations to import/export. It makes a record in supplying goods around 150 million metric tonnes. Now current year it will break their record and estimated around 200 million metric tonnes.





### **Adani Wilmar:**

After visiting main port, we reached around 10:30 am at Adani Willmar. It is a joint venture of two companies i.e. Adani Group and Wilmar International incorporated in January 1999. We started from production unit, we observed the thorow and tedious process of refining edible oil from crude oil through several stages. Whole production system is operated through PLC SCADA based on advance technology of Belgium. It is divided into several TPD plants. We have visited 200 TPD plant and learned through model how crude oil turn into edible oil. After filtering by-products of oil used in making Agarbattti, Soap, Glycerine, etc. After that we went to packaging unit. It packs 4900 tonne oil daily, package in the form of bottle, jar, tin. And these materials also produced by them. Capacity for oil storing is around 2000 tonne. Whole unit of packaging is semi as well as fully automatic. It is largest exporter oil

includes more than 25 countries. At last we received a product hamper as a sweet gesture by Adani group.



### **Summary:**

By this last tour, our two days visit came to an end. We gone through various aspects of engineering in these two days including practical application, advance technology, entrepreneurship and management. It will be immensely useful for our upcoming carrier. For this we express deepest gratitude towards L.D. College of Engineering and Adani Group for the adorable experience. Also Special thanks to our faculties for guiding us throughout the visit.

## CERTIFICATE OF PARTICIPATION

UDAAN-2023-2610

**adani**  
Foundation

**Akshar Bumatariya**

from L.d College Of Engineering  
participated in Project Udaan - an educational visit to  
Adani Facilities at Hazira (Gujarat)  
on Tuesday 14th of March 2023

*Shilin Adi*

**Mrs. Shilin R. Adani**  
Trustee, Adani Foundation



**LDCE**