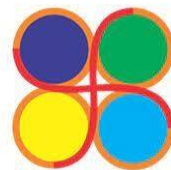




**GOVERNMENT POLYTECHNIC  
AHMEDABAD**



Visit Report On

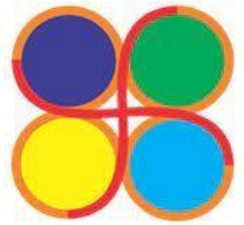
**“Mundra port”**

D.E. Semester – VI

Guided By: -  
**Shri C. B. Patel**

Head of Department  
**Dr. A.K.Patel**

Academic Year  
(2022 – 2023)



**DEPARTMENT OF CIVIL ENGINEERING,  
GOVERNMENT POLYTECHNIC AHMEDABAD**

<b>Date of report</b>	<b>28/03/2023</b>
<b>Name of Site</b>	<b>Mundra port</b>
<b>Date of Visit</b>	<b>25/03/2023 &amp; 26/03/2023</b>
<b>Name of Faculty</b>	<b>Mr. C. B. Patel</b> <b>Mr. B. P. Patel</b>

### **Day 1**

Our college organised a two-day visit to the Mundra Port, a privately owned and operated by the Adani Ports and Special Economic Zone (APSEZ) deep-water port located on the north shores of the gulf of Kutch in the state of Gujarat on 25th March 2023.



### **Adani West Port**

Our journey began from our college where Adani's bus picked us up at 4:30 in the morning on March 23. It took us 6 hrs to reach at Adani Shanti Vihar, where we rested and had lunch. Then we took off to Adani west port which is around 20 km from the main port. It is smaller than main port and is used for Bituminous coal import.

After finishing at west port, we reached Adani power plant around 4:30 p.m., there we were briefed about the power generation process and its equipment like boilers, turbine, chimneys etc. Throughout the tour our safety was given priority by giving us safety helmets and guidelines.



**Adani Power Plant**

### **Day 2**

The next day wakeup call was at 6:00 a.m. We started our day with a yoga session, and we left for Adani main port after breakfast at 8:30 a.m.

Mundra Port has played a significant role in India's economic growth by facilitating international trade and contributing to the development of industries in the surrounding regions with wide range of modern and well-equipped facilities that enable efficient and safe handling of various types of cargo. These facilities, combined with the port's strategic location, have made it one of the most important ports in India and a crucial hub for international trade.



Mundra Port is one of the largest ports in India in terms of cargo handling capacity, with an annual handling capacity of more than 200 million metric tons.

The port has the state-of-the-art facilities for cargo handling, including container terminals, bulk terminals, and liquid terminals.

The port has a total of 42 berths, which can handle different types of vessels, including container ships, bulk carriers, and tankers. The berths have a draft of up to 16 meters, which allows the port to handle large vessels.

The port has three well equipped with modern container handling equipment container terminals which have a total capacity of 5 million twenty-foot equivalent units per year.

The port also has several bulk terminals that handle different types or fry bulk cargos including coal, iron ore, fertilisers and grains.

The liquid terminal is facilitated with pipelines and storage tanks which handles various types of liquid cargo such as petroleum products, chemicals and vegetable oils.

To enable efficient transportation of the cargo, the port has a dedicated railway line connecting directly to the national rail network.



**Adani Main Port**



We also visited the Adani Wilmar which operates a state-of-the-art edible oil refinery in Mundra, which is one of the largest and most advanced refineries in India. The refinery has a high processing capacity and utilizes advanced technology to produce a wide range of edible oils, catering to the demands of consumers across the country.



**Adani Wilmar Oil Refinery**

We learned about the entire working mechanism of production of oil from the sketch with the help of a static model.

Then we returned to Shanti Vihar for lunch, and filled our feedback form giving our opinions and experiences of the visit.

Concluding, the visit to Mundra port was a very informative trip. We learned how the port of Mundra plays a crucial role in the economy of India.