



### Report on Industrial Visit to” Adani Krishnapatnam Port Limited, Krishnapatnam, Andhra Pradesh”

1.	Name of the Activity/Event	Industrial visit		
2.	Date of the Activity/Event	20-10-2023		
3.	Organized by/ Name of the committee	Department of civil Engineering		
4.	Place of Activity/Event	Narayana Engineering College, Nellore.		
5.	Resource Person/ Guest/ Organization	Mr. Kalivela.Mahesh, Project Officer, Udaan Project, Adani Krishnapatnam Port Limited, Krishnapatnam, Andhra Pradesh, India.		
6.	Type of Activity/Event	Technical		
7.	Activity/Event Objectives	To create awareness on become entrepreneurs, innovators and achievers of tomorrow. Various Equipments used in Port, coal yard, ware house, Container terminal.		
8.	Participation	Students	Faculty	Total Participation
		47	4	51
9.	General Remarks	Gained knowledge on New Civil Engineering Equipments used in Port, coal yard, Adani foundation.		
11.	Signature of In charge/ Convener			

The Department of Civil Engineering of Narayana Engineering College, Nellore had arranged a one day Industrial Visit for II B.Tech, III B.Tech & IV B.Tech Students to **Adani Krishnapatnam Port Limited, Krishnapatnam, Andhra Pradesh**, on 20/10/2023. Students Started their journey at morning at 10:30 Am and Reached at nearly 11:30Am.



Started Industrial Visit to Adani Port, krishnapatnam.

## **KRISHNAPATNAM PORT INFRASTRUCTURE:**

- Krishnapatnam Port popularly known as KPCL is a privately built and owned all weather, deep, water port on the east coast of India, located in the Nellore District of Andhra Pradesh. It is located about 190 km north of the Chennai Port and 18 km east of the city of Nellore.
- The port was owned and operated by the Krishnapatnam Port Company Limited (KPCL) which was 92% owned by Hyderabad-based CVR Group. In October 2020, Adani Ports & SEZ acquired 75% stake in the port, which increased to 100% in April 2021 with Adani Group buying the residual 25% stake.
- The port was built by the Navayuga Engineering Company Limited, the flagship concern of the CVR Group, under a build-operate-share-transfer (BOST) agreement with the Government of Andhra Pradesh. The port covers an area of 4,553 acres. The BOST agreement, valid for 30 years and further extendable to 50 years, requires the promoters to pay 2.6% of the port's gross revenue to the Government of Andhra Pradesh for the first 30 years.
- From the 30th year, that share increases to 5.4% and from the 40th year to 10.8%. KPCL is capable of handling 7.5 crore tonne of cargo per annum and the deepest port of India with a draft of 18.5 mts .
- The visit to Krishnapatnam Port was an eye- opening experience. The port, situated along the eastern coast of India, is one of the country's largest and busiest ports. During our tour, we learned about its infrastructure, handling of various cargo types, and the role it plays in facilitating international trade. We observed the efficient logistics and handling systems in place, which are critical for the global supply chain.
  1. Extensive container terminals and berths. Well-maintained cargo handling equipment. Robust transportation networks connecting the port to the hinterland.
  2. Coastal Erosion Mitigation: Coastal protection measures to prevent erosion. Seawall construction and maintenance.
  3. Environmental Practices: initiatives for environmental sustainability.
  4. Measures for minimizing environmental impact.



**Images taken from Goods Loading and Unloading of Cargo**



**Navy Administration Area**

## **ADANI WILMAR**

- Adani Wilmar Limited (AWL) is a multinational food and beverage conglomerate based in India. It is a joint venture between Adani Enterprises and Wilmar International and India's largest processor of palm oil. The company was founded in 1999 and has its headquarters in Ahmedabad, India. As of date the group has 22 plants located across 10 states in India.



**Edible Oil Packing Area**



**Several Products Ready to Sale**

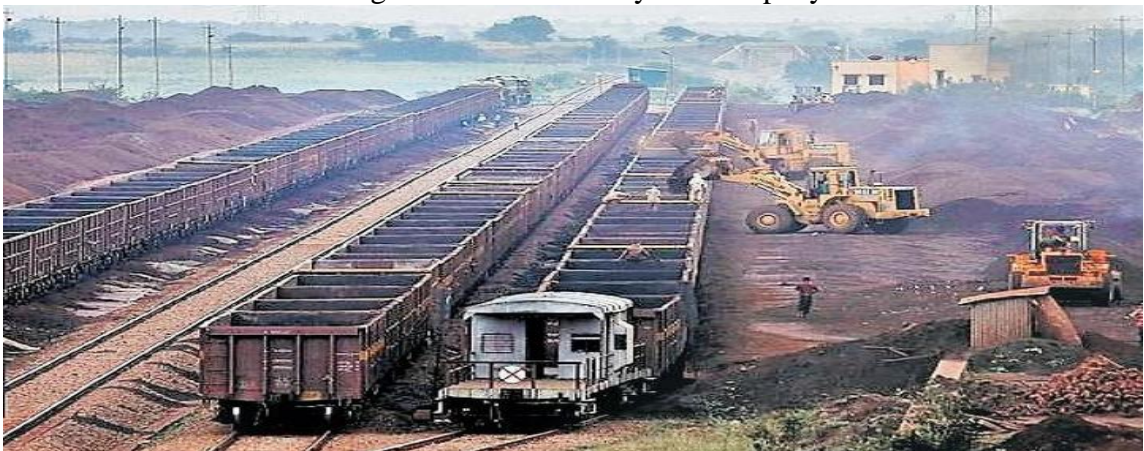
- It exports its products to the Middle East, Africa, and South East Asia. Adani Willmar Ltd. was incorporated in 1999 as an equal joint venture between Adani Enterprises and Singapore based Willmar International. Adani Wilmar's brand Fortune is an edible oils & foods brand. Between 2014 and 2017, the company launched other packaged products such as rice, soya chunks, and flour under the same brand name. Between 2019 and 2020, the company entered the personal care market under the brand A life.
- During the same period, AWL entered the Ready to cook (RTC) products market. As of 2021, the company had 18.3% market share of the branded edible oil market in India. Adani Willmar opened its three-day initial public offering (IPO) on 27 January 2022 and the issue closed on 31 January 2022. The listing happened on 8 February 2022.



**Front portion of Oil Refinement Plant**

## **ADANI COAL MINES**

- The visit to Adani Coal Mines provided insights into the coal mining industry, focusing on civil engineering aspects:
- The visit to Adani Coal Mines shed light on the coal mining industry and its significance in India's energy sector. We had the opportunity to see the extraction, transportation, and processing of coal. We also learned about the safety measures and environmental regulations followed by the company.



**Coal yard Area (Loading and Unloading)**

### **1. Mining Operations:**

Exploration, excavation, and transportation of coal.

Safety measures for mining personnel.

### **2. Land Reclamation:**

Reclamation methods and rehabilitation of mined areas.

Erosion control and environmental restoration.



**Lunch provided for all the students and faculty by Adani foundation**

**Faculty-In charge**

**HOD**