1. LNG Terminal

Operated by Indian Oil LNG Private Limited

M/s. IOCL, lead partner of JV, has set up the LNG terminal with re-gasification facilities. Re-gasification Terminal consists of 2 tanks each of gross capacity 1,80,000 cubic meter. The terminal was commissioned on 26.02.2019 and the cost of the project is 3834.15 crore.

The LNG Terminal at Kamarajar Port has been developed on a captive user basis pursuant to a concession agreement executed on 31 July 2015 between Kamarajar Port Limited and Indian Oil LNG Private Limited. The project involves the design, engineering, financing, construction, operation, and maintenance of an LNG port and regasification facility, including marine infrastructure such as a dedicated LNG jetty and associated offshore facilities.

The terminal has present capacity of 5 MTPA (expandable upto 10 MTPA) of LNG, with supporting port infrastructure provided by Kamarajar Port Limited, and plays a strategic role in strengthening LNG import capability and gas-based energy infrastructure on the east coast.

- **Terminal:** Indian Oil LNG Private Limited
- **Capacity:**
    - Present Capacity: 5 MTPA (expandable upto 10 MTPA)
    - Re-gasification Terminal: 2 tanks each of 1,80,000 cubic meter gross capacity
- **Berth / Marine Infrastructure Details:**
    - Dedicated LNG jetty with approach trestle and berthing facilities
    - Designed to accommodate LNG vessels up to:
        - Maximum LOA: 362 metres
        - Maximum Depth: 15.00 metres
        - Maximum Draft: 12.50 metres
    - LNG basin and approach channel connected to the common user outer channel
    - Fendering, mooring and marine safety systems as per LNG standards

- **Terminal/Equipment Details:**
    - LNG jetty and marine facilities for safe berthing of LNG carriers
    - LNG unloading arms and transfer systems
    - Cryogenic pipelines connecting jetty to onshore facilities
    - LNG storage tanks (onshore regasification facilities)
    - Regasification units and associated utilities
    - Firefighting, safety, and emergency response systems
    - Navigational aids and marine safety infrastructure

2. Multi Cargo Terminal

Operated by Ennore Bulk Terminal Private Limited (EBTPL)

The Terminal is operated by Ennore Bulk Terminal Private Limited (EBTPL), a part of JSW Group, which was awarded license by Kamarajar Port Ltd. for a Common User Multi Cargo Terminal at Ennore on DBFOT basis for a period of 30 years.

This Multi Cargo Terminal commenced operations on 05.08.2017 with state-of-the-art equipment, warehouses, open yard and other amenities with a capacity to handle 2 MTPA.

- Handles a variety of commodities such as steel products, project cargo, river sand, barites, gypsum, limestone, dolomite, rice, wheat, pulses, fertilizers, granite and other commodities.
- **Berth Dimensions:**
    - Length – 270 Meter
    - Depth – 16.00 Meter
    - Draft – 14.50 Meter
- 2 Nos. Harbor Mobile Cranes – Liebherr LHM 425 equipped with 42 CBM grabs.
- 4 Nos. covered warehouses totaling 16,800 Sq.Mtr.
- Neem Coating System available for Urea handling.
- Concrete storage yards and dedicated railway siding.

- Total backup area for the terminal – 13.5 Ha.
- Cargo evacuation through both road and rail connectivity.

3. Common User Coal Terminal

Operated by Ennore Coal Terminal Private Limited (ECTPL)

Common user coal terminal is operated by Ennore Coal Terminal Private Limited (ECTPL) is a part of JSW Group, which was awarded License by Kamarajar Port Ltd., for a Common User Coal Terminal at Ennore on BOT basis for a period of 30 years. This Coal Terminal has successfully commenced operations on 11.03.2021 with state- of- the- art fully automated equipment and conveyor systems, yard and evacuations systems with a capacity to handle 11 MTPA. To handle cape size vessels, the operator extended the berth length by 22.5 m with draft of 16m. The stackyard area of 48.0 Ha is located at about 2.5 km from Port Compound wall..

- Dedicated all weather 24*7 operating Common User Coal Terminal.
- Length of berth – 347.5 Meter , Width – 30 Meter
- Depth - 18.00 m , Draft - 16.00 m
- Two Ship Unloaders of 1750 TPH each fully equipped with closed conveyor system.
- Two Stacker Reclaimers with 1750 MT TPH each for stacking and 1000 MT TPH each for reclaiming cargo.
- Wagon loading system with In Motion Weighbridge for rake handling and cargo evacuation. The in-motion wagon loading station is installed for loading one full rake of 59 wagons (3500T).
- Tuck loading station are provided for evacuation through trucks.
- The conveyor system is installed with dust suppression mechanism to reduce pollution.
- Dedicated and wall protected plots for safe storage of cargo with 2 Nos. of Tare weighbridges and 3 Nos. of gross weighbridges.
- Fully equipped with all environment protection measures.

4. Marine Liquid Terminal-1 (MLT-1)

Operated by Ennore Tank Terminal private Limited (ETTPL)

Marine Liquid Terminal with cargo handling capacity of 3 MTPA (expandable upto 6 MTPA) was developed under BOT basis by ETTPL and commercial operations commenced from 16 th January 2009. To meet the demand in the trade, the BOT Operator developed additional storage tanks and installed LPG handling equipment. Berthing Facility for Petroleum, LPG, chemical, gas and vegetable oil tankers. To mitigate the congestion of vessels, M/s. ETTPL laid additional dock lines and installed marine unloading arms thereby reducing the vessel waiting time. The tank farm is located in 33 acre plot-leased plot at about 3.7 km from the berth. Multiple Pipelines for transfer of Products between vessel and shore tanks. Storage Tanks inside the port premises- 64 tanks with a total capacity of 2,54,000 KL for petroleum, chemicals and safe class cargo. Jetty and Storage Tank Terminal fully operational..

- **Facilities:**
  - **1. Jetty:**
    - **Berth Details:**
      - Berth: MLT-1
      - Length: 360 m
      - Draft: 13.50 m
      - Beam: No restriction
      - Depth: 15 metres (BCD)
    - Very unique design of the Jetty namely, continuous Quay jetty, located on the northern breakwater at a distance of 1.3 km from the shore
    - Approach Trestle connecting the northern breakwater and the liquid jetty
    - Jetty capable of handling petroleum, petro chemicals, chemicals, vegetable oil and very large LPG tankers
    - Designed to berth tankers of 150,000 DWT and above with provision to receive larger tankers in future
    - Pipeline Trestle of 12 meters for carrying pipelines to the Storage Tank-farm

- 6 Nos of Marine Unloading Arms for various groups of Products namely LPG, POL and Black oils.
- Fire Protection System as per OISD 156 norms

- **2. Tank Terminal:**
  - Enclosure – 1 – 60,000 KL
  - Enclosure – 2 – 23,300 KL
  - Enclosure – 3 – 28,290 KL
  - Enclosure – 4 – 18,370 KL
  - Enclosure – 5 – 32,100 KL
  - Enclosure – 6 – 55,555 KL
  - Enclosure – 7 – 31,850 KL
  - Enclosure – 8 – 5,000 KL
  - **Total – 254,398 KL**
  - There are 64 storage tanks of various sizes, ranging from 860 KL to 12,300 KL suitable for all kinds of liquid products.
  - The storage terminal is equipped for both import and export operations.
- **Docklines:**
  - Nine pipelines for transfer of products between the vessels and shore tanks
  - 2 No 24 inches dia Mild Steel pipeline
  - 1 No 16-inch dia Mild Steel pipeline
  - 2 No. 12 inches dia Mild Steel pipeline
  - 1 No. 8 inch dia Stainless Steel (SS 316 L) pipeline
  - 2 No. 18 inch cryogenic pipeline for propane and butane
  - 2 Nos 10 Inch pipeline for speciality chemicals
  - All pipelines are piggable.
  - Scope for providing more pipelines based on user requirements.

5. Container Terminal

Operated by Adani Ennore Container Terminal Private Limited

The Common User Container Terminal at Kamarajar Port has been developed under a Design–Build–Finance–Operate–Transfer (DBFOT) model pursuant to a concession agreement executed between Kamarajar Port Limited and Adani Ennore Container Terminal Private Limited on 15 March 2014 with a handling capacity of 1.40 Million TEUs per annum under PPP mode in a phased manner. The total back up area for container terminal is 36.5 Ha. The project involves development, operation, maintenance, and transfer of a modern container handling facility with a designed capacity of 16.80 MMTPA, developed at an estimated cost of ₹1,270 crore. Phase-I of the project, with a capacity of 9.60 MMTPA, was commissioned in October 2017. The terminal functions as a common user facility and plays a key role in enhancing containerised cargo handling capability and hinterland connectivity at Kamarajar Port. The commercial operations of container terminal (Phase – 1) began from the financial year 2017-18.

- **Terminal:** AECTPL
- **Phase:** Phase-1
- **Specifications:**
    - Quay Length (Mtrs.): 400
    - Draft (Mtrs.): 15
    - Depth (Mtrs.): 16.70
    - Capacity (In million TEUs): 0.8
    - Reefer Plugs (Nos.): 280 - expandable 30
    - RMQCs (Nos.): 4
    - RTGCs (Nos.): 12
    - RMGCs (Nos.): -
    - Tractor Trailers: 24+7
    - Total Area In Hectares: 20
    - Reach Stackers: 2+2
    - Railway Siding Tracks for ICD handling: 1

- Maximum Permissible LOA of The Vessel: 366 Mtrs

6. General Cargo Berth 1

General Cargo Berth-1 was commissioned in 2012 with capacity of 3 MMTPA to handle import and export of automobiles and general cargo.

The Berth has a length of 278m length and 12m depth.

Draft - 10.00 m