

REDEFINING ENERGY INFRASTRUCTURE





A Joint Venture between Indian Oil Corporation
and Adani Ports and SEZ



About IndianOil Adani Ventures Ltd.:

IndianOil Adani Ventures (formerly, Indian Oiltanking), is a 50:50 joint venture company of Indian Oil Corporation Ltd. and Adani Ports and SEZ Ltd. having its registered office in Vikhroli (Mumbai).

The company is a midstream infrastructure service and solution provider to the Oil, Gas, and Petrochemical Industry with domain expertise in Terminalling Services, Build Capabilities, and Renewable Energy.

About Indian Oil Corporation Ltd.:

Indian Oil Corporation Ltd. (IOC) is a diversified integrated multinational energy major with business interests straddling the entire hydrocarbon value chain - from refining, pipeline transportation & marketing to exploration & production of crude oil & gas, petrochemicals, gas marketing, alternative energy sources and globalisation of downstream operations. With US\$ 112 billion revenue from operations and US\$ 993 million net profit, IOCL is ranked 94th in the Fortune-500 list of 2023. India's flagship Maharatna national oil company, IOCL has more than 35 subsidiaries and joint venture companies in India and abroad. In India, IOCL has the widest network of over 60,000 plus customer touch points supported by 70.05 MMTPA of refining capacity from 10 refineries, more than 17,000 KM of cross-country pipelines. IOCL is one of the leading Petrochemical players in India with a petrochemical production capacity of nearly 3200 KTA. It also has one of Asia's finest R&D centre with world-class technology, process solutions and innovative products. A leading player in green energy, it was one of the first marketers of CBG for transportation and has a total renewable energy capacity of nearly 240 MW comprising of solar and wind energy.

About Adani Ports and Special Economic Zone Ltd.:

Adani Ports and Special Economic Zone Limited (APSEZ), is a part of the globally diversified Adani Group comprising of 10 publicly traded companies in sectors of Energy and Utilities, Transportation and Logistics, Defence, Airports, Road and Rail, Data Center, Real Estate and others. APSEZ has evolved from a port company to an Integrated Transport Utility providing end-to-end solutions from its port gate to the customer's gate. It is the largest port developer and operator in India, with six strategically located ports and terminals on the West coast and 6 ports and terminals on the East coast representing 24% of the country's total port capacity, thus providing capabilities to handle vast amounts of cargo from both coastal areas and the hinterland. The company is also developing two transshipment ports at Vizhinjam, Kerala and Colombo, Sri Lanka. Its 'Ports to Logistics Platform' comprises port facilities, integrated logistics capabilities, including multimodal logistics parks, Grade A warehouses, and industrial economic zones. This puts APSEZ in an advantageous position as India stands to benefit from an impending overhaul in global supply chains.

Overview of IAVL

IAVL: Terminalling Services

At IAVL, we have leveraged on our parent companies' strength to establish our prowess in creating large-scale terminalling solutions for our clients. Over the years we have carved our niche by building and operating large petroleum storage facilities in India, South-East Asia and the Middle East. We offer:

- Highest standards in energy storage
- Automation at the terminals; blending and additivisation facilities
- Concrete steps towards circular economy through compressed biogas plants
- Proven capabilities in developing world class storage infrastructure of Oil and Gas
- Demonstrated expertise in Construction, Operations & Maintenance
- Globally benchmarked HSSE practices
- Tailor-made, innovative solutions for energy companies
- Standardised core processes for sustainable and efficient operations
- Continuous and stringent assessments for asset integrity



We Can, We Care!

At IAVL, we are guided by our philosophy to provide holistic care for people and the environment while building infrastructure for the nation. We are committed to:

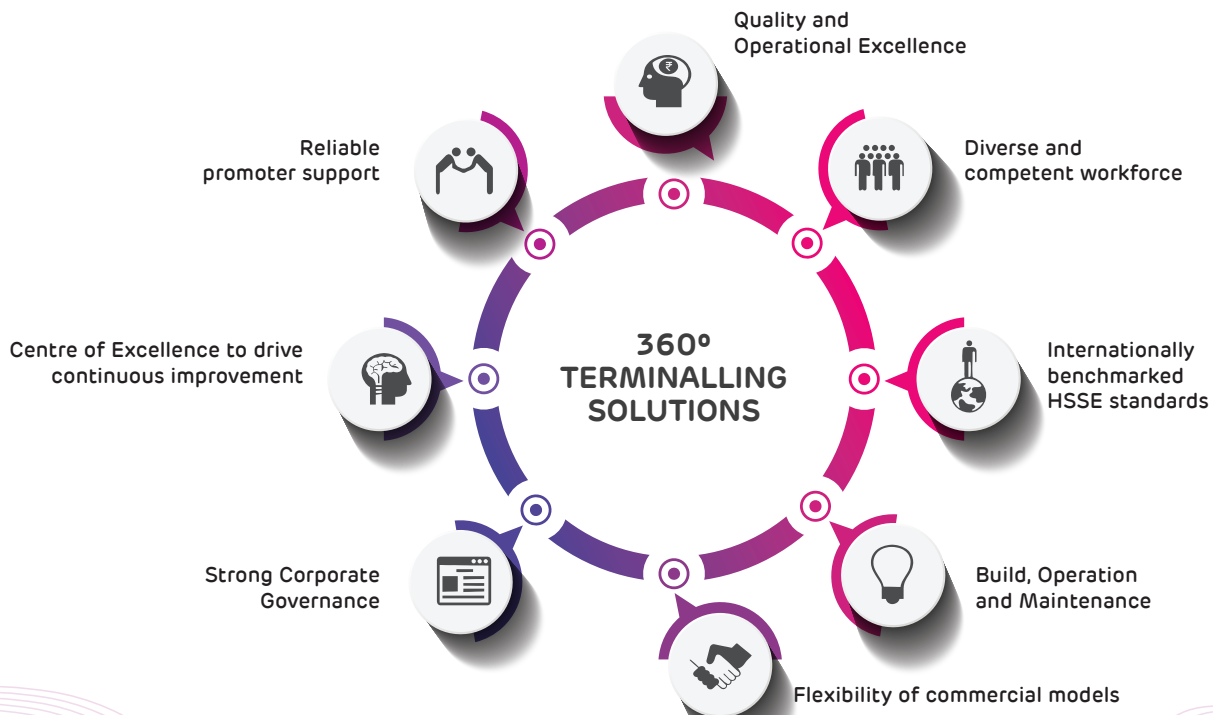
- Prioritising the health and safety of our employees, contractors and communities
- Robust HSSE processes
- Close association with neighborhood communities
- Better education, healthcare, environment, and national initiatives such as Skill India and Swachh Bharat
- Adopting environment friendly and sustainable practices
- Fostering an inclusive work environment



IAVL Milestone



IAVL The Storage Partner



Our Flexible Business Models for Customers

At IAVL, we are rooted in customer-centricity. Our business and operating models have been perfected over time to offer optimal benefits to our customers.



Our Business Offerings

Independent Terminals

- Independent open-access terminals at Navghar (JNPT Port) & Goa (Mormugao Port)
- Connected to public jetties with multi-product pipelines
- Rail connectivity at Navghar
- Capability of handling varied petroleum products

Navghar Terminal:

Capacity: 250 TKL, 17 tanks (expandable)

Products: MS, HSD, Naphtha, FO, Ethanol, LSHS

Goa Terminal:

Capacity: 71 TKL, 9 Tanks (expandable)

Products: MS, HSD, Ethanol



Common User Terminal Facilities

- India's first Common User Terminal (CUT) at Raipur
- Cross country pipeline, rail connectivity
- Tank Truck loading and unloading with bottom loading facility
- BOO terminal for IOCL & BPCL
- Capacity: 211 TKL, 19 Tanks
- Products handled: MS, HSD, SKO, ATF, Ethanol, & Furnace Oil



Tankfarm for Refinery

- India's first outsourced refinery tank farm at Paradip, Odisha on BOOT basis
- Integrated operations with 15 MMTPA refinery
- Capacity: 1902 TKL, 64 Tanks
- Products handled: Crude, LPG, Sulphur, MS, HSD, SKO, ATF, Propylene



Under Construction Projects:

COIT NRL

- Crude Oil Import Terminal for Numaligarh Refinery Limited at Paradip, Odisha on BOOT basis.
- Captive storage facility for 9 MMTPA refinery in North-East India
- Capacity: 600 TKL, 10 Tanks
- Products to be handled: Crude Oil

IOCL Panipat Tankfarm

- Intermediate and finished product storage for IOCL Panipat refinery expansion on BOOT basis
- Integrated storage facility for expansion of Panipat refinery from 15 MMTPA to 25 MMTPA
- Capacity: 819 TKL, 45 tanks and 11 bullets
- Products to be handled: Intermediate and finished products

O & M Terminal (Operations and Maintenance)

Vadodara White Oil Terminal

- Built in 1999 (BO model) for IOCL
- Capacity: 74 TKL, 12 tanks
- Products handled: MS, HSD, SKO, Ethanol, Biodiesel, ATF

Paradip Crude, POL and Petchem

- Built in 2023
- Capacity: 48 TKL, 9 tanks
- Products handled: Mono Ethylene Glycol, Di Ethylene Glycol, Tri-Ethylene
- Client: IOCL

LPG Facility - South Oil Jetty Paradip

- To cater to IOCL import terminal commissioned in 2023
- Products handled: Propane and Butane
- Product unloaded from ship at sub-zero temperature through marine loading arms
- Product pumped through 16 inch cross-country pipelines

JNPT White Oil Terminal

- Built in 2000
- Capacity: 108 TKL, 11 tanks
- Products handled: MS, HSD, SKO, ATF, Ethanol
- Client: IOCL



Renewable Energy

Biogas, Namakkal, Tamilnadu

- Processing poultry and farm waste into biogas
- 1,20,000 tonnes of feedstock processed annually
- Enrichment, compression and bottling of biogas
- Compressed Biogas (BioCNG) generation: 10 tons/day
- Organic manure generation: 10,000 tons/year
- Generating 2.4 MW of electricity (Waste to Energy) since 2013.
- Supplying CBG to Industrial, Transport and Cooking Segment



Our Past Projects

Terminalling

Chennai LPG Terminal

BOOT Project for Chennai Petroleum Corporation Limited (2003 - 2013)

- Bulk Terminal
- Storage: 4 x 1200 MT
- Receipt through pipeline from Manali refinery
- O&M services after BOOT period



Chennai LPG Bottling Plant

BOOT Project for Chennai Petroleum Corporation Limited (2008 - 2018)

- Storage integrated with Bulk terminal
- 2 x 24 point electronic carousal

O & M Terminal (Operations and Maintenance)

Terminals located on Mundra Delhi Pipeline (2008 - 2018):

- | | | |
|---|--|---|
| <ul style="list-style-type: none">• Mundra Terminal: Capacity: 341 TKL, 17 tanks Products: MS, HSD, SKO, ATF | <ul style="list-style-type: none">• Ajmer Terminal: Capacity: 52 TKL, 12 tanks Products: MS, HSD, SKO | <ul style="list-style-type: none">• Palanpur Terminal: Capacity: 49 TKL, 16 tanks Products: MS, HSD, SKO |
| <ul style="list-style-type: none">• Jaipur Terminal: Capacity: 36 TKL, 11 tanks Products: MS, HSD, SKO | <ul style="list-style-type: none">• Bahadurgarh Terminal: Capacity: 283 TKL, 26 tanks Products: MS, HSD, SKO, ATF | |

OTHER TERMINALS

- | | | |
|---|--|--|
| <ul style="list-style-type: none">• Paradip Terminal: (2014 to 2019) Capacity: 75 TKL, 12 tanks Products: MS, HSD, SKO | <ul style="list-style-type: none">• Mangalore Terminal: (2014 to 2016) Capacity: 200 TKL, 19 tanks Products: MS, HSD, SKO | <ul style="list-style-type: none">• Bhatinda Terminal: (2014 to 2019) Capacity: 48 TKL, 20 tanks Products: MS, HSD, SKO |
|---|--|--|

EPC Projects

Infrastructure & Process Facilities at Top side, Inside Cavern Shaft and within Cavern (Strategic Storage)

Client: Indian Strategic Petroleum Reserves Limited (ISPRL)

Location: Visakhapatnam, India

System of crude oil receipt, recirculation, pumping out, heating, metering, waste water treatment



Offsites, Utilities & Storage Facilities for Panipat Naphtha Cracker Project (EPCC8)

Client: Indian Oil Corporation Ltd.

Location: Panipat, Haryana, India

26 Atmospheric Tanks – 146 TKL, Double Walled Cryogenic Tanks – 33 TKL, Mounded Bullets – 5 nos x 3818 MT, Horton spheres – 7 nos x 1986 MT, Process / Utility / Flare / Fire Protection piping



Utilities & Offsites package for Residue Upgradation Project for Baroda Refinery Project (EPCC 6A & 6B)

Client: Indian Oil Corporation Ltd.

Location: Baroda, Gujarat, India

19 Atmospheric Tanks, Total Capacity – 125 TKL



Coke Drum System Package for New Coke Chambers & allied Refinery: Delayed Coker Units

Client: Indian Oil Corporation Ltd.

Location: Guwahati, Assam, India

Coke Drum Building | Structure with Coke Drums | Modern Coke Cutting System | Automated Heading / Unheading Systems | Bridge Crane, Coke Pit & Elevator Refinery



Flare & Blowdown System (LSTK-7)

Client: Indian Oil Corporation Ltd.

Location: Paradip, Odisha, India

Flare Stack of 130 M Height | KOD Vessels & other static equipment | Pumps | Pipe Rack | A/G Piping





Storage Tanks and Terminal Facilities

Client: Oiltanking Odfjell LLC

Location: Sohar Industrial Port, Oman

65 Tanks, 2 LPG Spheres, Phase 1-6

Total capacity: 1.29 million KL

IL&FS Prime Tank Terminal FZC (IPTT) Project Phase I

Client: IL&FS Engineering and Construction Co. Ltd. FZE

Location: Fujairah, UAE

16 Product Storage Tanks

Total capacity: 333 TKL



Tanks and Sphere for Socar Refinery

Client: TSGL consortium

Location: Aliaga, Izmir, Turkey

43 Storage Tanks, capacity: 1171 TKL

8 LPG sphere, capacity: 22386 Cum

Storage Tanks for ORPIC's Sohar Refinery Improvement Project

Client: Daelim-Petrofac JV, Oman

Location: Sohar, Oman

50 Storage Tanks

Total capacity: 619 TKL



Oiltanking Tank Storage Terminal, Karimun

Client: PT Oiltanking Karimun

Location: Karimun, Indonesia

38 Storage Tanks

Total capacity: 681 TKL

Storage Terminal, Kalimantan, Indonesia

Client: BP Singapore – Bakrie Petroleum

Location: Kalimantan, Indonesia

6 Storage Tanks

Total capacity: 75 TKL



Our Partners



Awards

● Most Impactful Primary Education Initiative of the Year 2024

Global CSR, Sustainability, and ESG Awards 2024

by Brand Honchos

● Best Construction Safety Management for NRL project

● Best EHS Management System

● Best EHS Program award for Project RAKSHA

India Health Safety & Environment
Conclave and Awards 2023



● National Safety Award

Fire and Safety Forum for excellence in safety, 2023

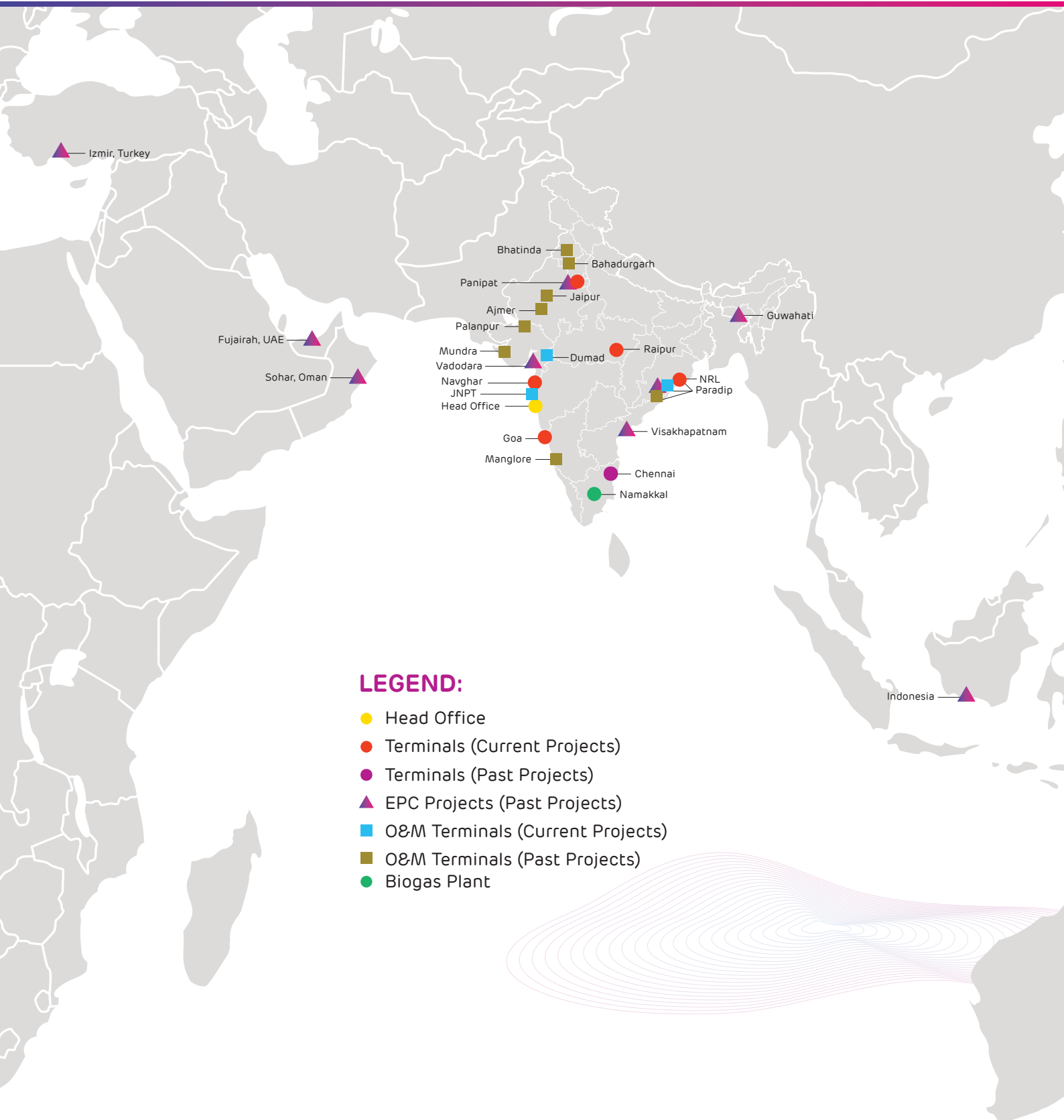
● Best HSE Initiative Award

6th Annual HSE Strategy Summit & Awards 2023 by
Inventicon Business Intelligence

● Best HSE Performer of NRL Project Site

Numaligarh Refinery Limited 2023

Our Footprints





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