LNG as Transport Fuel

To promote LNG as automotive fuel, IndianOil has begun providing mobile LNG dispensing solutions to Tata Motors and Volvo Eicher Commercial Vehicles Ltd.

IndianOil has facilitated the setting up of India’s first LCNG (Liquid to Compressed Natural Gas) station at Waghodia, Vadodara, and has been supplying LNG to the station. IndianOil is also setting up a fuel complex, including LNG/LCNG facilities, at Anayara, Tiruvananthapuram, besides identifying fuel stations at strategic locations on National Highways for setting up LNG/LCNG fuelling stations in future.

LNG in Mining:

IndianOil and Sasan Power Limited have joined hands for trials on LNG use in coal mining as dual-fuel (HSD + LNG) in dumpers – first three in India in the mining sector.

LNG Bunkering:

IndianOil is exploring the possibilities of truck-to-ship LNG bunkering.

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LNG Terminals

West Coast: IndianOil has access to 30% of all longterm LNG imports of PLL in Dahej (Gujarat) and Kochi (Kerala) LNG Terminals. Additionally, IndianOil has booked 1.5 MMTPA capacity in Dahej LNG Terminal and 1 MMTPA capacity in Jafarabad, Gujarat LNG terminal of SWAN Energy.

East Coast: IndianOil has set up a 5 MMTPA LNG Terminal at Kamarajar Port, Ennore in Tamil Nadu. It is the first LNG terminal on the east coast of India and is scheduled to be commissioned in Q1 2019. The Terminal has 2 LNG Storage tanks each of 1,80,000 cu. mtr. capacity and a dedicated LNG Jetty to berth LNG ships upto 2,66,000 cu. mtr. capacity. There is a provision to expand its capacity upto 10 MMTPA in future. The terminal will provide Natural Gas to most of the districts of Tamil Nadu and some of the districts in southern parts of Andhra Pradesh & Karnataka. The terminal has facilities for regasification, LNG storage & reloading and loading of LNG into cryogenic tankers. LNG bunkering service will also be provided ex-Ennore LNG Terminal later.

IndianOil has also booked 3 MMTPA capacity in upcoming LNG Terminal at Dhamra to meet the captive requirements of IndianOil’s eastern coast refineries.

Gas Pipelines

- IndianOil has a Dadri-Paripat Natural Gas pipeline (140 km, 10 MMSCMD – Common Carrier) besides commitment for long-term capacity booking of ~2 MMTPA natural gas in GAIL’s pipeline from Hazira / Dahej for supply to northern India.
- To supplement the value chain of Ennore LNG terminal, IndianOil is building a 1,265 km natural gas pipeline connecting Ennore-Thiruvallur-Bengaluru-Puducherry-Nagapattinam-Madurai-Tuticorin at cost of ~4500 cr.:
  - As part of another joint venture, IndianOil is building a pipeline network of ~4000 km connecting Malavaram (near Kakinada, Andhra Pradesh) on the east coast to Srinagar, Jammu & Kashmir in the northernmost part of India.
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  - Mahesana - Bhavnagar Pipeline (MBPL)
  - Bharat - Jammu - Srinagar Pipeline (BJSP)
  - Malavaram - Bhilwara and Vijapur Pipeline (MBVP)

As part of another joint venture, IndianOil is building a new gas pipeline grid connecting Guwahati to major towns in the Northeast.

City Gas Distribution

CGD is the last and critical component of the value chain, delivering Natural Gas to various segments of gas users.

- Domestic
- Transport
- Commercial
- Industrial

IndianOil operates CGD networks through its Joint Venture Company, Green Gas Ltd., in the cities of Agra and Lucknow. The Corporation is setting up new CGD networks through IndianOil-Adani Gas Pvt. Ltd. in Allahabad, Chandigarh, Panipat, Daman, Ernakulam, Udhamb Singh Nagar, Dhorwad, South Goa and Bulandshahr (part district) in the recently held ninth round of CGD Bidding. IndianOil / IndianOil JV have won rights to build CGD networks in 18 more cities.