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MONTHLY REPORT  
APRIL 2021  
LIQUID GASES  
UPDATE

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# PORT ANALYSIS

## LIQUIFIED GASES TRAFFIC AT INDIAN PORTS (QTY IN MILLION TONNES)

Port	Apr - Feb 2020-21	Apr- Feb 2019-20	VARIANCE
COCHIN	0.719	0.937	-0.218
CUDDALORE	0.236	0.153	0.083
DABHOL	1.942	1.908	0.034
DAHEJ	17.320	18.813	-1.493
ENNORE	1.897	1.584	0.313
HALDIA	4.768	3.980	0.788
HAZIRA	3.435	1.640	1.794
JNPT	1.225	1.000	0.225
KAKINADA	0.277	0.176	0.101
KANDLA	1.921	1.886	0.036
MAGDALLA	0.054	0.014	0.040

MANGALORE	2.614	1.747	0.868
MORMUGAO	0.014	0.014	0.000
MUMBAI	0.889	0.854	0.035
MUNDRA	3.006	0.455	2.551
PARADIP	0.494	0.158	0.336
PIPAVAV	0.140	0.505	-0.366
PORBANDAR	0.081	0.068	0.013
PORT BLAIR	0.001	0.001	-0.001
RANPAR	0.092	0.089	0.003
SIKKA	0.270	0.505	-0.236
TUTICORIN	0.230	0.363	-0.134
VISAKHAPATNAM	1.876	1.704	0.172
<b>GRAND TOTAL</b>	<b>43.501</b>	<b>38.560</b>	<b>4.941</b>

### Major Importers of Liquified Gases - March 2021 (QTY IN MILLION TONNES)

IMPORTERS	CARGO	IMPORTS
ADANI POWER LTD.	LIQUID NATURAL GAS	0.001
ARCELOR MITTAL NIPPON STEEL INDIA LTD.	LIQUID NATURAL GAS	0.036
BHARAT PETROLEUM COPRN. LTD.	BUTANE	0.111
	LIQUID NATURAL GASLIQUID PETROLEUM GAS	0.071
	LIQUID PETROLEUM GAS	0.115
	PROPANE	0.104
CHEMPLAST CUDDALORE VINYL LTD.	VINYL CHLORO MONOMER	0.022
COROMANDEL INTL. LTD.	LIQUID AMMONIA	0.046
DEEPAK FERTILIZER AND PETROCHEMICAL CORPN. LTD.	LIQUID AMMONIA	0.011
	LIQUID PETROLEUM GAS	0.008
DHARANGADARA CHEMICAL WORKS LTD	VINYL CHLORO MONOMER	0.004
FINOLEX IND.LTD.	ETHYLENE	0.006
	VINYL CHLORO MONOMER	0.006
GAIL INDIA LTD.	LIQUID NATURAL GAS	0.423
GREENSTAR FERTILIZERS PVT. LTD.	LIQUID AMMONIA	0.012
GUJARAT STATE FERTILIZERS CO. LTD.	LIQUID AMMONIA	0.021
GUJARAT STATE PETROLEUM CORPN.	LIQUID NATURAL GAS	0.404
HINDUSTAN PETROLEUM CORPN. LTD.	BUTANE	0.072
	LIQUID NATURAL GAS	0.008
	LIQUID PETROLEUM GAS	0.074
	PROPANE	0.056
INDIAN FARMERS FERTILISER COOP. LTD.	LIQUID AMMONIA	0.010
INDIAN OIL CORPN. LTD.	BUTANE	0.192
	LIQUID NATURAL GAS	0.102
	LIQUID PETROLEUM GAS	0.197
	PROPANE	0.165
INDIAN OIL PETRONAS PVT. LTD.	LIQUID PETROLEUM GAS	0.020
INDORAMA INDIA PVT. LTD.	ANHYDROUS AMMONIA	0.004
MANGALORE CHEMICAL AND FERTILIZERS LTD.	LIQUID AMMONIA	0.006
PARADIP PHOSPHATES LTD.	LIQUID AMMONIA	0.016
PETRONET LNG LTD.	LIQUID NATURAL GAS	0.796
RELIANCE INDUS. LTD.	ETHANE	0.138

## ORIGIN COUNTRY-WISE LIQUID GASES IMPORTS IN INDIA (QTY IN MILLION TONNES)

Country	Cargo	March- 2021
ANGOLA	LIQUID NATURAL GAS	0.117
AUSTRALIA	LIQUID NATURAL GAS	0.072
BAHRAIN	LIQUID AMMONIA	0.011
	LIQUID PETROLEUM GAS	0.034
CHINA	VINYL CHLORO MONOMER	0.005
EGYPT	LIQUID NATURAL GAS	0.169
EQUATORIAL GUINEA	LIQUID NATURAL GAS	0.078
FRANCE	VINYL CHLORO MONOMER	0.009
INDONESIA	ANHYDROUS AMMONIA	0.004
	LIQUID AMMONIA	0.020
KUWAIT	BUTANE	0.051
	PROPANE	0.041
NIGERIA	LIQUID NATURAL GAS	0.063
OMAN	LIQUID NATURAL GAS	0.069
	LIQUID PETROLEUM GAS	0.001
QATAR	BUTANE	0.153
	ETHYLENE	0.006
	LIQUID AMMONIA	0.029
	LIQUID NATURAL GAS	0.874
	LIQUID PETROLEUM GAS	0.156
	PROPANE	0.164
	VINYL CHLORO MONOMER	0.019
SAUDI ARABIA	BUTANE	0.055
	LIQUID AMMONIA	0.045
	LIQUID PETROLEUM GAS	0.135
	PROPANE	0.036
THAILAND	GASOLINE	0.001
U.A.E.	BUTANE	0.119
	LIQUID AMMONIA	0.010
	LIQUID NATURAL GAS	0.331
	LIQUID PETROLEUM GAS	0.072
	PROPANE	0.082
UNITED STATES	ETHANE	0.138
	LIQUID NATURAL GAS	0.394

# MARKET OVERVIEW AND TRENDS

## KEY HIGHLIGHTS

- » H Energy to start operation of LNG regasification terminal in May
- » Japan's Mitsui eyes small-scale LNG in India
- » HPCL acquires 50% stake in Indian LNG terminal



## H Energy to start operation of LNG regasification terminal in May

- » FSRU arrives at Jaigarh port

India's first Floating Storage and Regasification Unit (FSRU) 'Höegh Giant' docked at H-Energy's Jaigarh LNG regasification terminal in Maharashtra on Monday, aiming to start operations in the first week of May-- when the first LNG cargo arrives. The country's first FSRU-based LNG regasification terminal will boost India's RLNG terminal capacity to 51 million tonnes (mt) from 45 mt, as government looks to raise the share of gas in the fuel basket to 15 per cent from six per cent. Darshan Hiranandani, CEO, H-Energy, said that the new entrant to the LNG business will buy gas from the spot market to "mirror the requirements of customers in India who typically buy gas for 1-2 years or even on quarterly or monthly basis." H-Energy, through its wholly owned subsidiary Western Concessions Pvt Ltd (H-Energy), has hired the FSRU from Höegh LNG Holdings Ltd for 10-years. The

2017 built 'Höegh Giant' has a storage capacity of 1,70,000 cubic metres and has a peak regasification capacity of about 6 mt a year. The FSRU will deliver regasified LNG to the 56 km Jaigarh-Dabhol pipeline connecting to the National Gas Grid and will also deliver LNG onshore for LNG truck loading facilities. The FSRU is also capable of reloading LNG onto other LNG vessels for providing bunkering services. H Energy has invested about ₹3,000 crore to develop the RLNG terminal, Darshan said.

Source: The Hindu Business Line

## Japan's Mitsui eyes small-scale LNG in India

- » Japan's Mitsui aims to invest in India's nascent small-scale liquefied natural gas (LNG) infrastructure, including logistics and receiving facilities, after signing a memorandum of understanding with Indian company Inoxcva.

The MoU covers the deployment of small-scale LNG infrastructure, including logistics and receiving facilities for customers not connected to pipelines, Inoxcva, which makes cryogenic technology equipment, said on 12 April. "This will help in increasing the penetration and consumption of clean, reliable and cost-efficient LNG to various users in the automotive, mining, shipping and rail industry all over the country," Inoxcva said. Inoxcva commissioned its first small-scale LNG installation at the Halol plant of General Motors in 2010, and since then has installed more than 35 similar facilities across the country. LNG facilities are supported by the company's own tanker fleet under its brand GoLNG. It has collectively logged more than 6.5 million km and distributed about 100,000 metric tons of LNG to its customers. Inoxcva last month launched the first-ever India-made LNG dispenser which complies with ISO 16924:2016 norms and is also approved by Petroleum and Explosives Safety Organisation India. The dispenser also bears the ATEX certification, a European certification given to equipment tested and approved to be intrinsically safe, it said. "In partnership with INOXCVA we look forward to exploring how we can play a key role in meeting India's long-term need for cleaner energy. Together we will carry out technical, economic and environmental evaluations for supplying LNG to prospective customers and industrial clusters. We believe our combined expertise will synergize well to bring the benefits of LNG at regional and national levels, and create a sustainable manufacturing ecosystem," said Mitsui. India's appetite for gas will see LNG imports surge in future. India's LNG demand will rise from 25 million tonnes per year (mtpy) in 2020 to almost 45 mtpa in 2030. And it will surge to 85 mtpa by 2040, as domestic production falls sharply, data from Rystad Energy shows.

Source: EnergyVoice

## HPCL acquires 50% stake in Indian LNG terminal

- » Hindustan Petroleum Corporation Limited (HPCL) has acquired the balance 50% equity stake in HPCL Shapoorji Energy Private Limited (HSEPL) from M/s S P Ports Pvt Ltd on 30 March 2021. Post-acquisition, HPCL's stake in HSEPL gets enhanced to 100%, making HSEPL a wholly owned subsidiary of HPCL.

HSEPL is constructing a 5 million tpy LNG terminal at Chhara, Gujarat, India, at a project cost of approximately Rs 4300 crore which is likely to be completed by end of calendar year 2022. The terminal will have all facilities for receipt of LNG through ocean going tankers, marine unloading, storage, LNG road tanker loading, regasification, and supply of regasified LNG to the gas grid. The project is further expandable to a capacity of 10 million tpy in the future. The acquisition is in line with the overall future strategy of HPCL to diversify its product portfolio and is an important step in the direction of having a strong presence in the total natural gas value chain. The percentage of natural gas in the overall energy basket of India is expected to grow from 6% at present to 15% by 2030, which makes it one of the important growth drivers in future. HPCL, along with its joint venture companies,



has presence in CGD business in 20 geographical areas in 34 districts covering nine states in India. HPCL on its own operates 674 CNG stations as on date which it plans to expand further. It is also foraying into setting up of LNG dispensing stations. These, together with the focus on enhanced use of natural gas in refineries of HPCL and its joint ventures/subsidiaries, add to the strategic value of the acquisition.

Source: LNG INDUSTRY

# OTHER REPORTS FOR APRIL 2021

- » J. M. Baxi & Co. Monthly Agri Products Update
- » J. M. Baxi & Co. Monthly Automotive Logistics Update
- » J. M. Baxi & Co. Monthly Cement Update
- » J. M. Baxi & Co. Monthly Chemical Update
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