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LIQUID GASES
UPDATE



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PORT ANALYSIS

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

Port	April - February 22	April - February 21	VARIANCE
COCHIN	0.927	0.652	0.275
CUDDALORE	0.016	0.215	-0.198
DABHOL	1.158	1.734	-0.575
DAHEJ	14.482	15.726	-1.244
DIU	0.019	0.000	0.019
ENNORE	1.800	1.668	0.132
GANGAVARAM	0.055	0.000	0.055
HALDIA	4.530	4.341	0.189
HAZIRA	1.555	3.373	-1.818
JNPT	1.046	1.118	-0.072
KAKINADA	0.254	0.263	-0.009
KANDLA	1.823	1.753	0.070
MAGDALLA	0.025	0.058	-0.033

MANGALORE	2.266	2.379	-0.113
MORMUGAO	0.006	0.010	-0.004
MUMBAI	1.175	0.822	0.354
MUNDRA	1.572	2.785	-1.213
PARADIP	0.557	0.433	0.124
PIPAVAV	0.294	0.125	0.169
PORBANDAR	0.047	0.078	-0.030
PORT BLAIR	0.011	0.001	0.010
RANPAR	0.060	0.079	-0.020
SANDHEADS	0.066	0.000	0.066
SIKKA	0.094	0.270	-0.176
TUTICORIN	0.239	0.211	0.027
VISAKHAPATNAM	1.969	1.713	0.257
Grand Total	36.047	39.807	-3.760

PORTWISE LIQUIFIED GASES CARGOES - FEBRUARY 2021 (QTY IN MILLION TONNES)

PORT	CARGO	FEBRUARY - 2022
COCHIN	GASOLINE	0.070
	LIQUID NATURAL GAS	0.112
DABHOL	LIQUID NATURAL GAS	0.062
	BUTANE	0.046
DAHEJ	ETHANE	0.138
	LIQUID NATURAL GAS	0.867
	PROPANE	0.043
	BUTANE	0.055
ENNORE	LIQUID NATURAL GAS	0.040
	PROPANE	0.058
	ANHYDROUS AMMONIA	0.005
HALDIA	BUTADIENE	0.003
	BUTANE	0.227
	PROPANE	0.191
	PYROLISIS GAS	0.010
JNPT	LIQUID AMMONIA	0.008
	LIQUID PETROLEUM GAS	0.092
KAKINADA	LIQUID AMMONIA	0.025
KANDLA	ANHYDROUS AMMONIA	0.048
	BUTANE	0.042
	LIQUID PETROLEUM GAS	0.099
	PROPANE	0.020
MAGDALLA	ETHYLENE	0.006
MANGALORE	BUTANE	0.056
	LIQUID PETROLEUM GAS	0.066
	PROPANE	0.050

MUMBAI	BUTANE	0.009
	GASOLINE	0.033
	PROPANE	0.159
MUNDRA	LIQUID PETROLEUM GAS	0.043
PARADIP	LIQUID AMMONIA	0.102
PIPAVAV	BUTADIENE	0.006
	LIQUID PETROLEUM GAS	0.032
PORBANDAR	LIQUID PETROLEUM GAS	0.003
PORT BLAIR	LIQUID PETROLEUM GAS	0.001
TUTICORIN	LIQUID AMMONIA	0.017
	LIQUID PETROLEUM GAS	0.005
	VINYL CHLORO MONOMER	0.005
VISAKHAPATNAM	LIQUID AMMONIA	0.017
	LIQUID PETROLEUM GAS	0.157
Grand Total		3.026

IMPORTERS OF LIQUID GASES IN INDIA (QTY IN MILLION TONNES)

IMPORTERS	CARGO	February - 2022
ABU DHABI NATIONAL OIL CO.	LIQUID PETROLEUM GAS	0.020
BHARAT PETROLEUM COPRN. LTD.	BUTANE	0.096
	LIQUID PETROLEUM GAS	0.112
	PROPANE	0.092
COROMANDEL INTL. LTD.	LIQUID AMMONIA	0.025
DHARANGADARA CHEMICAL WORKS LTD	VINYL CHLORO MONOMER	0.005
GAIL INDIA LTD.	LIQUID NATURAL GAS	0.206
GREENSTAR FERTILIZERS PVT. LTD.	LIQUID AMMONIA	0.017
GUJARAT STATE PETROLEUM CORPN.	LIQUID NATURAL GAS	0.137
HINDUSTAN PETROLEUM CORPN. LTD.	BUTANE	0.078
	LIQUID PETROLEUM GAS	0.024
	PROPANE	0.051
INDIAN FARMERS FERTILISER COOP. LTD.	ANHYDROUS AMMONIA	0.048
	LIQUID AMMONIA	0.056
INDIAN OIL CORPN. LTD.	BUTANE	0.253
	LIQUID NATURAL GAS	0.040
	LIQUID PETROLEUM GAS	0.173
	PROPANE	0.218
INDORAMA INDIA PVT. LTD.	ANHYDROUS AMMONIA	0.005
PARADIP PHOSPHATES LTD.	LIQUID AMMONIA	0.046
PETRONET LNG LTD.	LIQUID NATURAL GAS	0.636
RELIANCE INDUS. LTD.	ETHANE	0.138
	ETHYLENE	0.006
SHV GAS SUPPLY RISK MGMT.	LIQUID PETROLEUM GAS	0.005
SMARTCHEM TECHNOLOGIES LTD.	LIQUID AMMONIA	0.008
TOTAL OIL INDIA LTD.	LIQUID PETROLEUM GAS	0.004

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

COUNTRY	CARGO	February - 2022
ANGOLA	LIQUID NATURAL GAS	0.073
BAHRAIN	LIQUID AMMONIA	0.019
EGYPT	BUTANE	0.010
	LIQUID AMMONIA	0.013
	PROPANE	0.012
INDONESIA	LIQUID AMMONIA	0.022
KUWAIT	BUTANE	0.086
	PROPANE	0.075
MALAYSIA	LIQUID NATURAL GAS	0.062
MALDIVES	LIQUID PETROLEUM GAS	0.001
NIGERIA	LIQUID NATURAL GAS	0.069
OMAN	LIQUID AMMONIA	0.008
QATAR	ANHYDROUS AMMONIA	0.013
	BUTANE	0.120
	ETHYLENE	0.006
	LIQUID AMMONIA	0.020
	LIQUID NATURAL GAS	0.726
	PROPANE	0.105
	VINYL CHLORO MONOMER	0.005
SAUDI ARABIA	ANHYDROUS AMMONIA	0.040
	BUTANE	0.081
	LIQUID AMMONIA	0.033
	LIQUID PETROLEUM GAS	0.102
	PROPANE	0.052
U.A.E.	BUTANE	0.119
	LIQUID AMMONIA	0.007
	LIQUID PETROLEUM GAS	0.138
	PROPANE	0.107
UKRAINE	LIQUID AMMONIA	0.030
UNITED STATES	ETHANE	0.138
	LIQUID NATURAL GAS	0.152

MARKET OVERVIEW AND TRENDS

KEY HIGHLIGHTS

IOC to ramp up LPG output in NE by 53 per cent to 8 crore cylinders by 2030

Puthuvype LPG jetty to be opened in August

India's LNG use to rise by up to 17pc: Crisil



IOC to ramp up LPG output in NE by 53 per cent to 8 crore cylinders by 2030

- » The proposed new LPG bottling plants will come up in Mizoram, Meghalaya and Arunachal Pradesh at a total investment of ₹325-350 crore.

PSU major Indian Oil Corp (IOC) is planning three new plants in the Northeast to increase its LPG bottling capacity by nearly 53 per cent to eight crore cylinders annually by 2030 to meet the growing demand in the region. IOC Executive Director (IndianOil-AOD) G Ramesh said the proposed new LPG bottling plants will come up in Mizoram, Meghalaya and Arunachal Pradesh at a total investment of ₹325-350 crore in a combination of wholly-owned and public-private-partnership (PPP) models. “We are expanding our bottling capacities in order to meet the growing demand of LPG in the Northeastern region. We target to have bottling capacity of eight crore cylinders per annum by 2030 against a projected demand of seven crore units,” he told PTI. “IndianOil-AOD, the company’s Northeast division, at present has an annual capacity to bottle 5.23 crore LPG cylinders at its nine plants, and the capacity utilisation stands at 5.11 crore units,” Ramesh said. “The total investment in this expansion exercise will be in the range of ₹325-350 crore, which will be borne by IOC and the private partner, over the next two-three years. We are looking to engage a private player for the Arunachal Pradesh plant,” he

added. “The unit in Mizoram will be brownfield, while those in Arunachal Pradesh and Meghalaya will be set up as greenfield facilities,” the official said. “We had two units at Kimin in Arunachal Pradesh and Mualkhang in Mizoram. These old plants were smaller and did not conform to newer safety norms. So, these were shut down and the new bigger plants will come up,” Ramesh explained. The Mizoram plant, which is still at the estimation stage as adjoining lands are being acquired, will have a daily capacity of 30,000 cylinders and it is likely to cost ₹150 crore, he added. “The Meghalaya plant will be set up at Umiam and it will be a greenfield unit. We will invest ₹75 crore and the plant will be commissioned by December 2023 with a capacity to roll out 7,000 cylinders every day,” the official said. The company is scouting for land for the Arunachal Pradesh plant as the earlier location was not sufficient for a modern and bigger facility. “We are also talking to the state government in Arunachal Pradesh as well as an interested partner, who will set up and own the plant. This unit is likely to cost around ₹100 crore, which will be spent by the partner with technical support from us under a long-term agreement,” Ramesh said. At present, Assam has six operational units and one each is located in Manipur, Nagaland and Tripura. “Out of these facilities, one in Assam and the one in Tripura were recently set up. These two plants have started trial production, but are yet to be officially commissioned,” Ramesh said. He said the new plant in Assam’s Nagaon is IOC’s first-ever private bottling unit in the country and can refill 7,000 cylinders every day. “The Agartala unit is a greenfield facility and it can produce two crore cylinders every year. This particular plant alone can take care of Tripura’s demand till 2040,” Ramesh said. Besides, the IOC-AOD is expanding the existing capacity of its Bongaigaon LPG plant in Assam to 120 thousand metric tonnes per annum (TMTPA) from 60 TMTPA for ₹40 crore and it will be completed by March 2023. When asked if the company plans to export LPG from the Northeast to the neighbouring countries, he said the 12 facilities will cater mainly to the demand in the region. “At present, we are exporting 2,000-2,500 cylinders to Bhutan. We do not expect that to grow much in the future and our main market will continue to be the Northeast,” the official said.

Source: The Hindu Business Line

Puthuvype LPG jetty to be opened in August

- » The chairperson said that the reconstructed South Coal Berth would be commissioned in April 2022.

The construction of Multi User Liquid Terminal (MULT) jetty at Puthuvype in Kochi has been completed and will be opened after completing dredging works in August, said Cochin Port Trust chairperson M Beena here on Tuesday. Briefing mediapersons, she said that the opening of the new jetty will help the state achieve self-sufficiency in LPG distribution. This will reduce backlog in LPG refill cylinder supply and reduce road accidents. The MULT jetty has been constructed at an expense of ₹180 crore and it can handle ships with a dead weight tonnage of 10,000 to 80,000. Ships with an overall length of 230 m and draft up to 13 m can dock here. The capital dredging work to increase the depth of the jetty basin is in progress and the work with an estimated cost of Rs 72.68 crore is expected to be completed by August, 2022. “The commissioning of MULT jetty, which is intended primarily for LPG import by Indian Oil Corporation, will reduce dependency on Mangaluru port for LPG supply. This will help avoid road movement of bulk LPG and the subsequent road mishaps. The jetty with a capacity of 4.1 million metric tonnes per annum will also be utilised for handling petroleum oil lubricant products including bunker fuels. Commissioning of the Jetty will also open scope to handle other petroleum products,” she said. The chairperson said that the reconstructed South Coal Berth would be commissioned in April 2022. It was commissioned in 1953 and was used for handling ammonia imported by FACT Ltd. The berth was in a dilapidated condition and was reconstructed at a cost of Rs 19.19 crore with 50 per cent funding from Union government and 25 per cent each from FACT and Port Trust. The new jetty is 110 m long and can cater to vessels up to 35,000 dead weight tonnage, 183 m length and 9.14 m draft. The foundation stone for the project was laid by Prime Minister Narendra Modi on February 14, 2021. The berth is primarily meant for handling ammonia and other cargo for FACT and will be utilised for handling chemicals and liquid cargo for other users also, she said. The berth will have the capacity to handle 1.3 million metric tonnes per annum (MMTPA). The FACT has a requirement of 5 lakh million tonnes of ammonia per annum for its new fertilizer plant under implementation. An additional 1.25 lakh MTPA ammonia is required for the new plant within a span of two years.

Self-sufficiency in LPG distribution

Cochin Port Trust chairperson M Beena said the opening of the new jetty will help the state achieve self-sufficiency in LPG distribution. This will reduce backlog in LPG refill cylinder supply and reduce road accidents. The berth is primarily meant for handling ammonia and other cargo for FACT and will be utilised for handling chemicals and liquid cargo for other users also, she said.

Source: New Indian Express

India's LNG use to rise by up to 17pc: Crisil

- » Demand for LNG in India will bounce back by 15-17pc in the April 2022-March 2023 fiscal year after a 3pc decline in fuel use a year earlier, Mumbai-based ratings agency Crisil said.

Elevated fuel prices will not deter growth in Indian LNG demand, it added. Demand for LNG will increase despite higher gas prices as the city gas and fertilizer industries are insulated from price hikes, Crisil said. Fertilizer producers can pass on higher gas costs to customers, although the government controls consumer prices. But the government offers subsidies to urea makers to cover for any losses. New fertilizer units are shifting to using natural gas as a feedstock. City gas and fertilizers are India's demand drivers for LNG. The government allocates domestic supplies to city gas companies at a cheaper rate than imported LNG, which makes up only a portion of their volumes. Only power producers are affected because they cannot afford to pay more than \$8/mn Btu for the fuel. India is shielded from higher LNG prices because over 85pc of its imported volumes are under long-term contracts. Prices average around \$12/mn Btu for state-controlled importer Petronet LNG's Qatari supplies, less than half of spot LNG levels. Petronet has two term supply contracts with Qatar for 7.5mn t/yr and 1mn t/yr. Three new LNG import terminals with a combined 15mn t/yr of capacity will start operations in the next fiscal year, on top of India's existing capacity of 42.5mn t/yr, Crisil said. The new capacities will drag utilisation rates lower from the current average of 63pc. Petronet's 17.5mn t/yr Dahej facility is operating at full capacity and accounts for 75pc of the country's LNG import volumes. India's LNG imports declined to 24.4bn m³ of pipeline gas equivalent in the April-December period of the current fiscal year from 25bn m³ a year earlier, according to the oil ministry. State-set prices of domestic gas in India will more than double in the next fiscal year from existing levels, Crisil said, but they are still expected to trail spot LNG rates, which are at over \$20/mn Btu. India has set a price ceiling of \$6.30/mn Btu for gas produced from deepwater, high-temperature and high-pressure areas until March. Rates will change for the April-September period.

Source: Argus Media

OTHER REPORTS FOR MARCH 2022

- » J. M. BAXI & CO. Monthly Agri Products Update
- » J. M. BAXI & CO. Monthly Automotive Logistics Update
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