

## 10<sup>th</sup> LNG Producer-Consumer Conference Tokyo, Japan

# Natural Gas and LNG market in India

By: E.S. RANGANATHAN

Director (Marketing), GAIL (India) Limited





#### **Global Primary Energy Basket**

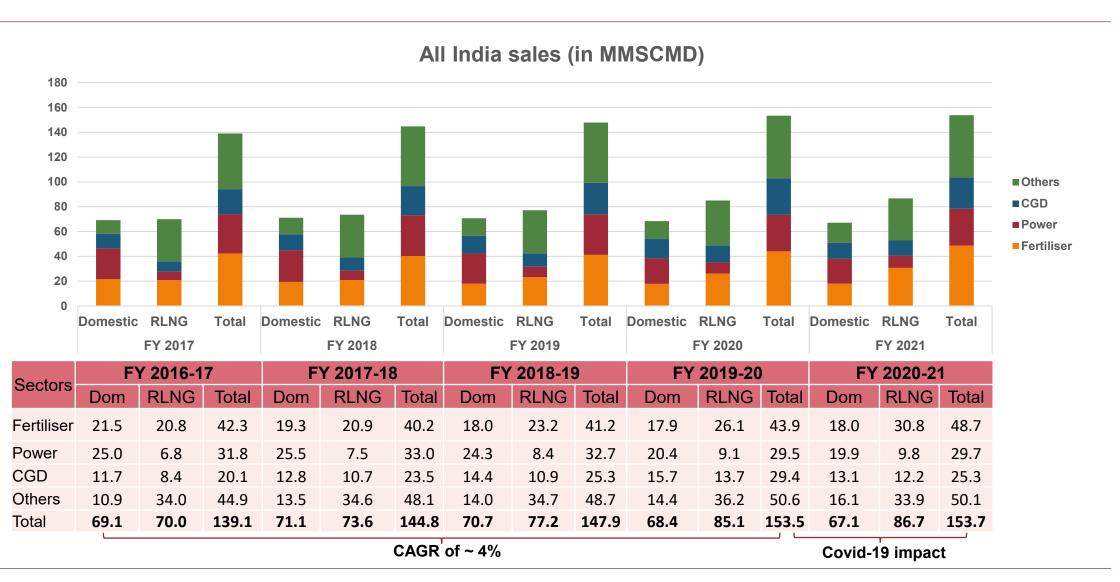
Region	Oil	Natural Gas	Coal	Nuclear Energy	Hydro electric	Renewables	TPE (MTOE)
World	34.2%	23.4%	25.4%	4.4%	6.8%	3.6%	13511.2
OECD	39.4%	25.7%	15.9%	7.9%	5.6%	5.4%	5605
Non- OECD	30.5%	21.7%	35.9%	1.9%	7.6%	2.3%	7906.1
Asia Pacific	28.6%	11.5%	48.4%	1.9%	6.5%	3.0%	5743.6
China	19.4%	6.6%	60.4%	1.8%	8.3%	3.4%	3132.2
India	29.5%	6.2%	56.3%	1.1%	4.1%	2.9%	753.7 (5.5%)

(Source: BP Statistical World Energy Review, 2018)

- India is the 3rd largest energy consumer after China and US, 2nd in Coal and 3rd in Oil.
- India has the 5th largest reserves of coal in the world
- India was the fourth largest generator of renewable energy in 2018 behind China, the US, and Germany
- Natural gas consumption in India is 6.2% (14th largest consumer)



#### All India natural gas sales – Historical





#### **India's Energy Outlook 2040**

+156%

Growth in India's energy Consumption

11%

Share of Global energy consumption in 2040

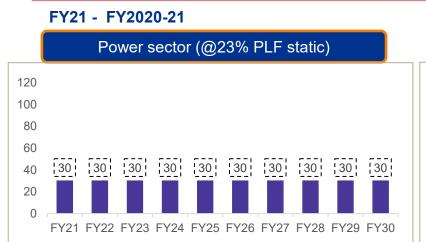
16%

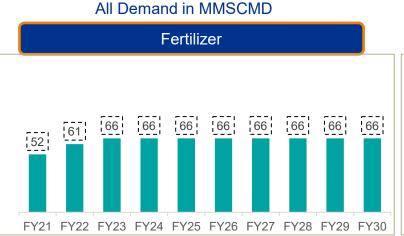
Share of renewables in primary energy mix in 2040

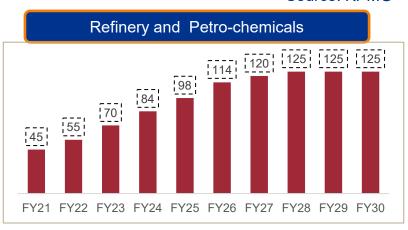
- ➢ India's energy consumption grows by ~4% p.a., faster than all major economies in the world
- > India accounts for more than a quarter of net global primary energy demand growth between 2017-2040
- India overtakes China as the largest growth market for energy by late 2020s

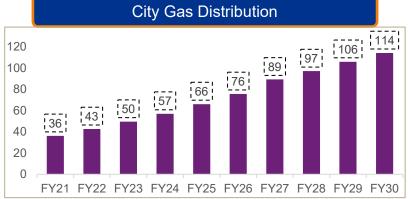


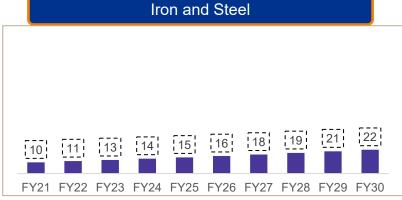
#### Natural gas demand under "Business as usual (BAU)" scenario











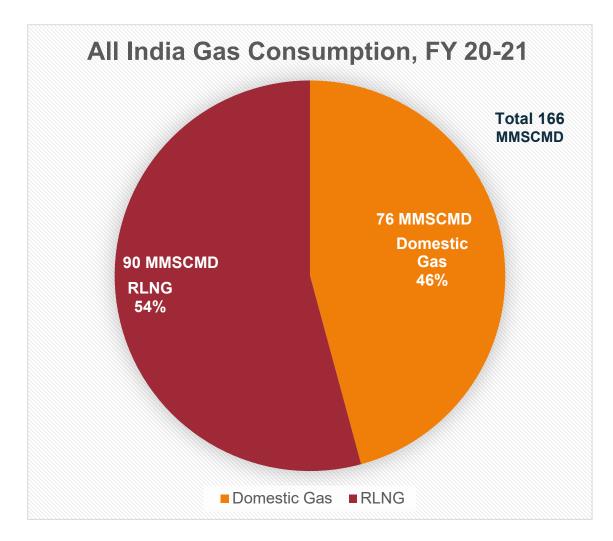


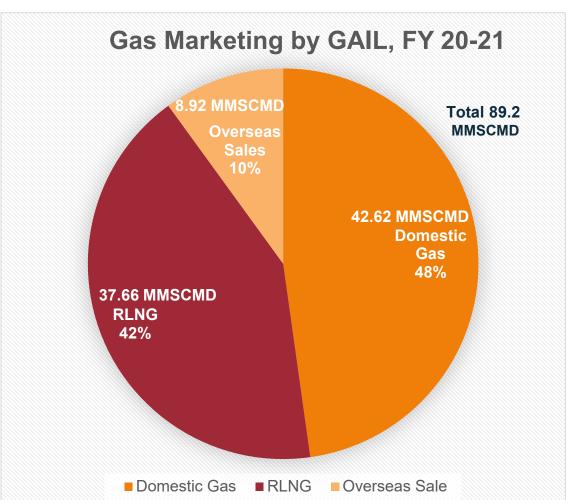
Current Scenario (FY'21) – 160 MMSCMD (~6.2% of Primary Energy Mix) to BAU Scenario (FY'30) – 380 MMSCMD (~10% of Primary Energy Mix)

Source: KPMG



#### **Breakup of Gas Consumption – Domestic Gas & RLNG**







### Thank You