

# PPAC's Snapshot of India's Oil & Gas data

Abridged Ready Reckoner  
May, 2021

**Petroleum Planning & Analysis Cell**  
(Ministry of Petroleum & Natural Gas)



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As on 18.06.2021

Petroleum Planning & Analysis Cell (PPAC), an attached office of the Ministry of Petroleum & Natural Gas (MoPNG), Government of India, collects and analyses data on the Oil and Gas sector. It disseminates many reports on the Oil & Gas sector to the various stakeholders. The data is obtained from the Public Sector companies, Government agencies as well as the Private companies. Given the ever-increasing demand for energy and transition of energy demand to renewables and Biofuels, Policy makers and Analysts need to be well informed about the updated trends in the Oil & Gas industry.

The PPAC's Snapshot of India's Oil & Gas data (Abridged Ready Reckoner) provides a comprehensive compilation of the latest data/information in a single volume for the latest month and historical time series. The Snapshot of India's Oil & Gas data is also published on PPAC's website ([www.ppac.gov.in](http://www.ppac.gov.in)) and is accessible on mobile app-PPACE.

This publication is a concerted effort by all divisions of PPAC. The cooperation of the oil and gas industry is acknowledged for their timely inputs.

## Table of contents

Table	Description	Page No.
	Highlights for the month	2-3
	<b>ECONOMIC INDICATORS</b>	
1	Selected indicators of the Indian economy	5
2	Crude oil, LNG and petroleum products at a glance; Graph	6-7
	<b>CRUDE OIL, REFINING &amp; PRODUCTION</b>	
3	Indigenous crude oil production	9
4	Domestic oil & gas production vis-à-vis overseas production	9
5	High Sulphur (HS) & Low Sulphur (LS) Crude Oil processing	9
6	Quantity and value of crude oil imports	10
7	Self-sufficiency in petroleum products	10
8	Refineries: Installed capacity and crude oil processing	11-12
9	Crude oil and product pipeline network	12
	Map of crude oil and product pipeline network	13
10	Gross Refining Margins (GRM) of refineries; Graph	14-15
11	GRM of North-East refineries excluding excise duty benefit; Graph	16
	<b>CONSUMPTION</b>	
12	Production and consumption of petroleum products; Graph	18-19
13	Kerosene allocation vs upliftment	20
14	Ethanol blending programme	20
15	Industry marketing infrastructure	20
	<b>LIQUEFIED PETROLEUM GAS (LPG)</b>	
16	LPG consumption	22
17	LPG marketing at a glance; Graph	22-23
18	Region-wise data on LPG marketing; Graph	24
	<b>NATURAL GAS</b>	
19	Natural gas at a glance; Graph	26
20	Coal Bed Methane (CBM) gas development in India	27
21	Major natural gas pipeline network	27
22	Existing LNG terminals	27
23	Status of PNG connections & CNG stations across India	28-32
24	Domestic natural gas price and gas price ceiling	33
25	CNG/PNG prices in selected cities	33
	<b>TAXES &amp; DUTIES ON PETROLEUM PRODUCTS</b>	
26	Information on prices, taxes and under-recoveries/subsidies	35-36
	<b>MISCELLANEOUS</b>	
27	Capital expenditure of PSU oil companies	38
28	Conversion factors and volume conversion	39

## Highlights for the month

- The consumption of petroleum products during April-May 2021 with a volume of 32.1 MMT reported a growth of 30.1% compared to the volume of 24.7 MMT during the same period of the previous year. Except LPG, SKO and petcoke all the petroleum products reported a growth in consumption during April-May 2021 compared to the same period of the previous year. The consumption of petroleum products during May 2021 recorded a de-growth of 1.5% compared to the same period of the previous year.
- Ethanol blending with Petrol was 8.9% during May 2021 and cumulative during December 2020- March 2021 was 7.7%.
- Total consumption of natural gas (including internal consumption) for the month of May 2021 was 5247 MMSCM which was 4.3% higher than the corresponding month of the previous year. The cumulative consumption of 10485 MMSCM for the current year till May 2021 was higher by 23.7% compared with the corresponding period of the previous year.
- Indigenous crude oil and condensate production during May 2021 was lower by 6.3 % than that of May 2020 as compared to a de-growth of 2.1% during April 2021. OIL registered a de-growth of 1.3 % and ONGC registered a de-growth of 9.6 % during May 2021 as compared to May 2020. PSC registered growth of 0.7 % during May 2021 as compared to May 2020. De-growth of 4.2% was registered in the total crude oil and condensate production during April- May 2021 over the corresponding period of the previous year.
- Crude oil processed during May 2021 was 19.0 MMT, which was 16.0 % higher than May 2020 as compared to a growth of 34.9 % during April 2021. Growth of 25% was registered in the total crude oil processing during April- May 2021 over the corresponding period of the previous year.
- Production of petroleum products saw a growth of 15.5 % during May 2021 over May 2020 as compared to a growth of 30.9 % during April 2021. Growth of 22.8% was registered in the total POL production during April- May 2021 over the corresponding period of the previous year

<ul style="list-style-type: none"> <li>Gross production of natural gas for the month of May 2021 was 2740 MMSCM which was higher by 19.1% compared with the corresponding month of the previous year. The cumulative gross production of natural gas of 5391 MMSCM for the current financial year till May, 2021 was higher by 21% compared with the corresponding period of the previous year.</li> </ul>
<ul style="list-style-type: none"> <li>Crude oil imports increased by 18.2% and 14% during May 2021 and April-May 2021 respectively as compared to the corresponding period of the previous year.</li> </ul>
<ul style="list-style-type: none"> <li>POL products imports decreased by 26.2% and 6.1% during May 2021 and April-May 2021 respectively as compared to the corresponding period of the previous year. Decrease in POL products imports during April-May 2021 was due to decrease in imports of petcoke, liquified petroleum gas (LPG) and high-speed diesel (HSD).</li> </ul>
<ul style="list-style-type: none"> <li>LNG import for the month of May, 2021(P) was 2587 MMSCM which was 9.2% higher than the corresponding month of the previous year. The cumulative import of 5242 MMSCM for the current year till May, 2021 was higher by 24.9% compared with the corresponding period of the previous year.</li> </ul>
<ul style="list-style-type: none"> <li>Exports of POL products decreased by 0.3% and 18.4% during May 2021 and April-May 2021 respectively as compared to the corresponding period of the previous year. Decrease in POL products exports during April-May 2021 (P) was due to decrease in exports of high-speed diesel (HSD), naphtha, petcoke/CBFS, fuel oil (FO), aviation turbine fuel (ATF) and LOBS/Lube oil.</li> </ul>
<ul style="list-style-type: none"> <li>The price of Brent Crude averaged \$68.75/bbl during May, 2021 as against \$64.70/bbl during April 2021 and \$28.98/bbl during May 2020. The Indian basket crude price averaged \$66.95/bbl during May 2021 as against \$63.40/bbl during April 2021 and \$30.61 /bbl during May 2020.</li> </ul>



# **PART-A**

## *Economic Indicators*

GROSS DOMESTIC PRODUCT

# GDP

## 1. Selected indicators of the Indian economy

Economic indicators		Unit/ Base	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21
1	Population (Census 2011)	Billion	1.2	-	-	-	-	-
2	GDP at constant (2011-12 Prices)	Growth %	8.0	8.3	6.8 3rd RE	6.5 2nd RE	4.0 1st RE	-7.3 PE
3	Agricultural Production (Food grains)	MMT	251.5	275.1	285.0	285.2	297.5	305.4 3rd AE
		Growth %	-0.2	9.4	3.6	0.1	4.3	2.7
4	Gross Fiscal Deficit (as percent of GDP)	%	3.9	3.5	3.5	3.4	4.6	9.5 RE

Economic indicators		Unit/ Base	2019-20	2020-21 (P)	May		April-May	
					2020-21 (P)	2021-22 (P)	2020-21 (P)	2021-22 (P)
5	Index of Industrial Production (Base: 2011-12)	Growth %	-0.8	-8.4	-57.3*	134.4* QE	-	-
6	Imports	\$ Billion	474.7	389.2	22.2	38.6	39.3	84.3
7	Exports	\$ Billion	313.4	290.6	19.1	32.3	29.4	62.9
8	Trade Balance	\$ Billion	-161.3	-98.6	-3.2	-6.3	-9.9	-21.4
9	Foreign Exchange Reserves <sup>@</sup>	\$ Billion	475.6	579.3	493.5	598.2	-	-

IIP is for the month of \*April; <sup>@</sup>2019-20-as on March 27, 2019, 2020-21-as on March 26, 2021, May 2020- as on May 29, 2020 and May 2021-as on May 28, 2021; AE-Advanced Estimates; RE-Revised Estimates; QE-Quick Estimates.

**Source:** Ministry of Commerce & Industry, Ministry of Statistics and Programme Implementation, Ministry of Agriculture & Farmer's Welfare, Ministry of Finance, Reserve Bank of India

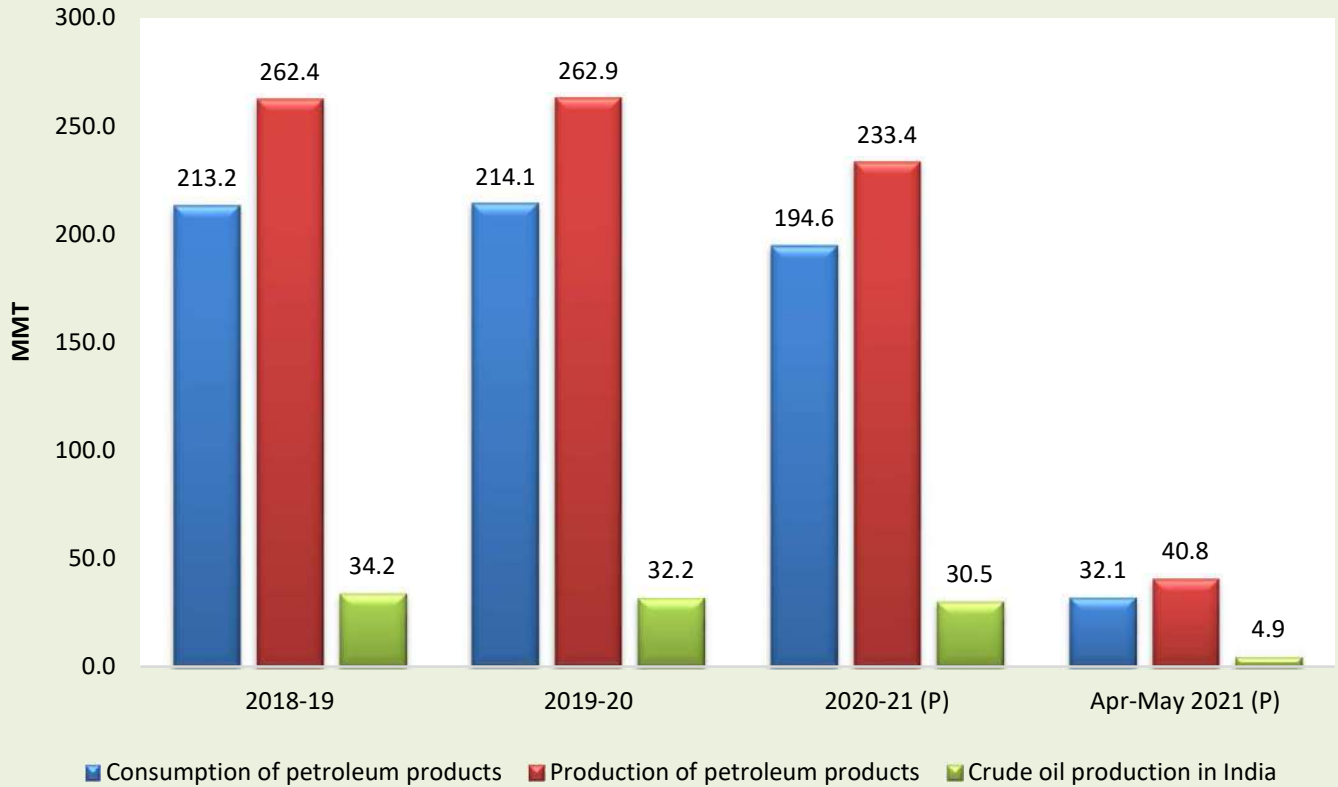


## 2. Crude oil, LNG and petroleum products at a glance

Details		Unit/ Base	2019-20	2020-21 (P)	May		April-May	
					2020-21 (P)	2021-22 (P)	2020-21 (P)	2021-22 (P)
1	Crude oil production in India <sup>#</sup>	MMT	32.2	30.5	2.6	2.4	5.1	4.9
2	Consumption of petroleum products*	MMT	214.1	194.6	15.3	15.1	24.7	32.1
3	Production of petroleum products	MMT	262.9	233.4	17.3	20.0	33.2	40.8
4	Gross natural gas production	MMSCM	31,184	28,672	2,300	2,740	4,461	5,391
5	Natural gas consumption	MMSCM	64,144	60,646	5,031	5,247	8,480	10,485
6	Imports & exports:							
	Crude oil imports	MMT	227.0	198.1	14.6	17.3	31.2	35.5
		\$ Billion	101.4	62.7	2.3	8.3	5.3	16.8
	Petroleum products (POL) imports*	MMT	43.8	43.5	4.3	3.2	7.1	6.6
		\$ Billion	17.7	14.2	0.9	1.1	1.7	2.5
	Gross petroleum imports (Crude + POL)	MMT	270.7	241.6	18.9	20.4	38.2	42.2
		\$ Billion	119.1	76.9	3.2	9.4	7.0	19.3
	Petroleum products (POL) export	MMT	65.7	56.8	5.8	5.7	11.8	9.6
		\$ Billion	35.8	21.4	1.3	3.3	2.5	5.5
	LNG imports*	MMSCM	33,887	32,861	2,370	2,587	4,198	5,242
		\$ Billion	9.5	7.4	0.5	0.8	0.9	1.5
7	Petroleum imports as percentage of India's gross imports (in value terms)	%	25.1	19.8	14.4	24.4	17.8	22.9
8	Petroleum exports as percentage of India's gross exports (in value terms)	%	11.4	7.4	6.7	10.3	8.4	8.7
9	Import dependency of crude (on consumption basis)	%	85.0	84.4	83.7	84.4	80.7	85.4

<sup>#</sup>Includes condensate; \*Jul 2020- May 2021 DGCIS data prorated

### Crude Oil & Petroleum Products (MMT)





## ***PART-B***

# ***Crude Oil, Refining & Production***

### 3. Indigenous crude oil production (Million Metric Tonnes)

Details	2019-20	2020-21 (P)	May			April-May		
			2020-21 (P)	2021-22 Target*	2021-22 (P)	2020-21 (P)	2021-22 Target*	2021-22 (P)
ONGC	19.2	19.1	1.6	1.7	1.5	3.2	3.3	3.0
Oil India Limited (OIL)	3.1	2.9	0.3	0.3	0.3	0.5	0.5	0.5
Private / Joint Ventures (JVs)	8.2	7.1	0.6	0.6	0.6	1.2	1.2	1.2
<b>Total Crude Oil</b>	<b>30.5</b>	<b>29.1</b>	<b>2.5</b>	<b>2.6</b>	<b>2.3</b>	<b>4.9</b>	<b>5.1</b>	<b>4.7</b>
ONGC condensate	1.4	1.1	0.1		0.1	0.2		0.2
PSC condensate	0.3	0.3	0.02		0.03	0.03		0.05
<b>Total condensate</b>	<b>1.6</b>	<b>1.4</b>	<b>0.1</b>		<b>0.1</b>	<b>0.2</b>		<b>0.2</b>
<b>Total (Crude + Condensate) (MMT)</b>	<b>32.2</b>	<b>30.5</b>	<b>2.6</b>	<b>2.6</b>	<b>2.4</b>	<b>5.1</b>	<b>5.1</b>	<b>4.9</b>
Total (Crude + Condensate) (Million Bbl/Day)	0.64	0.61	0.62		0.58	0.62		0.59

\*Provisional targets inclusive of condensate.

### 4. Domestic oil & gas production vis-à-vis overseas production

Details	2019-20	2020-21 (P)	May		April-May	
			2020-21 (P)	2021-22 (P)	2020-21 (P)	2021-22 (P)
Total domestic production (MMTOE)	63.4	59.2	4.9	5.2	9.6	10.3
Overseas production (MMTOE)	24.5	21.9	1.9	1.8	3.8	3.7
<b>Overseas production as percentage of domestic production</b>	<b>38.7%</b>	<b>37.0%</b>	<b>37.9%</b>	<b>35.3%</b>	<b>40.0%</b>	<b>35.4%</b>

Source: ONGC Videsh, GAIL, OIL, IOCL, HPCL & BPRL

### 5. High Sulphur (HS) & Low Sulphur (LS) crude oil processing (MMT)

Details		2019-20	2020-21 (P)	May		April-May	
				2020-21 (P)	2021-22 (P)	2020-21 (P)	2021-22 (P)
1	High Sulphur crude	192.4	161.3	12.1	14.0	22.8	29.0
2	Low Sulphur crude	62.0	60.5	4.2	5.0	8.3	9.8
<b>Total crude processed (MMT)</b>		<b>254.4</b>	<b>221.8</b>	<b>16.3</b>	<b>19.0</b>	<b>31.1</b>	<b>38.9</b>
Total crude processed (Million Bbl/Day)		5.09	4.45	3.87	4.49	3.74	4.67
<b>Percentage share of HS crude in total crude oil processing</b>		<b>75.6%</b>	<b>72.7%</b>	<b>74.1%</b>	<b>73.8%</b>	<b>73.2%</b>	<b>74.8%</b>

### 6. Quantity and value of crude oil imports

Year	Quantity (MMT)	\$ Million	Rs. Crore
2019-20	227.0	1,01,376	7,17,001
2020-21 (P)	198.1	62,711	4,62,996

### 7. Self-sufficiency in petroleum products (Million Metric Tonnes)

Particulars		2019-20	2020-21 (P)	May		April-May	
				2020-21 (P)	2021-22 (P)	2020-21 (P)	2021-22 (P)
1	Indigenous crude oil processing	29.3	28.0	2.3	2.2	4.5	4.3
2	Products from indigenous crude (93.3% of crude oil processed)	27.3	26.1	2.2	2.0	4.2	4.0
3	Products from fractionators (Including LPG and Gas)	4.8	4.2	0.3	0.3	0.6	0.7
4	Total production from indigenous crude & condensate <b>(2 + 3)</b>	32.1	30.3	2.5	2.4	4.8	4.7
5	Total domestic consumption	214.1	194.6	15.3	15.1	24.7	32.1
<b>% Self-sufficiency (4 / 5)</b>		<b>15.0%</b>	<b>15.6%</b>	<b>16.3%</b>	<b>15.6%</b>	<b>19.3%</b>	<b>14.6%</b>

## 8. Refineries: Installed capacity and crude oil processing (MMTPA / MMT)

Company	Refinery	Installed capacity (1.6.2021) MMTPA	Crude oil processing (MMT)							
			2019-20	2020-21 (P)	May			April-May		
					2020-21 (P)	2021-22 (Target)	2021-22 (P)	2020-21 (P)	2021-22 (Target)	2021-22 (P)
IOCL	Barauni (1964)	6.0	6.5	5.5	0.3	0.6	0.5	0.6	1.1	1.0
	Koyali (1965)	13.7	13.1	11.6	0.8	1.2	1.0	1.3	2.4	2.0
	Haldia (1975)	8.0	6.5	6.8	0.3	0.7	0.6	0.6	1.4	1.3
	Mathura (1982)	8.0	8.9	8.9	0.7	0.8	0.7	1.2	1.5	1.5
	Panipat (1998)	15.0	15.0	13.2	0.9	1.3	1.2	1.4	2.6	2.5
	Guwahati (1962)	1.0	0.9	0.8	0.02	0.0	0.0	0.02	0.0	0.1
	Digboi (1901)	0.65	0.7	0.6	0.06	0.06	0.06	0.1	0.1	0.1
	Bongaigaon(1979)	2.35	2.0	2.5	0.2	0.2	0.2	0.4	0.4	0.5
	Paradip (2016)	15.0	15.8	12.5	1.0	1.3	1.0	1.7	2.6	2.4
	<b>IOCL-TOTAL</b>	<b>69.7</b>	<b>69.4</b>	<b>62.4</b>	<b>4.3</b>	<b>6.3</b>	<b>5.4</b>	<b>7.4</b>	<b>12.3</b>	<b>11.4</b>
CPCL	Manali (1969)	10.5	10.2	8.2	0.4	0.5	0.6	0.7	1.0	1.4
	CBR (1993)	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>CPCL-TOTAL</b>	<b>11.5</b>	<b>10.2</b>	<b>8.2</b>	<b>0.4</b>	<b>0.5</b>	<b>0.6</b>	<b>0.7</b>	<b>1.0</b>	<b>1.4</b>
BPCL	Mumbai (1955)	12.0	15.0	12.9	0.9	1.2	1.2	1.7	2.5	2.4
	Kochi (1966)	15.5	16.5	13.3	0.7	1.5	0.9	1.5	2.8	2.3
BORL	Bina (2011)	7.8	7.9	6.2	0.4	0.6	0.5	0.8	1.2	1.2
NRL	Numaligarh (1999)	3.0	2.4	2.7	0.2	0.2	0.2	0.4	0.4	0.4
	<b>BPCL-TOTAL</b>	<b>38.3</b>	<b>41.8</b>	<b>35.1</b>	<b>2.2</b>	<b>3.5</b>	<b>2.8</b>	<b>4.3</b>	<b>6.9</b>	<b>6.3</b>

Company	Refinery	Installed capacity (1.6.2021) (MMTPA)	Crude oil processing (MMT)							
			2019-20	2020-21 (P)	April			Apr-May		
					2020-21 (P)	2021-22 (Target)	2021-22 (P)	2020-21 (P)	2021-22 (Target)	2021-22 (P)
ONGC	Tatipaka (2001)	0.066	0.087	0.081	0.006	0.003	0.007	0.008	0.009	0.014
MRPL	Mangalore (1996)	15.0	14.0	11.5	0.6	1.0	1.0	1.2	2.1	2.1
	<b>ONGC-TOTAL</b>	<b>15.1</b>	<b>14.0</b>	<b>11.6</b>	<b>0.6</b>	<b>1.0</b>	<b>1.0</b>	<b>1.2</b>	<b>2.1</b>	<b>2.1</b>
HPCL	Mumbai (1954)	7.5	8.1	7.4	0.5	0.28	0.12	1.1	0.3	0.2
	Visakh (1957)	8.3	9.1	9.1	0.7	0.8	0.7	1.5	1.6	1.6
HMEL	Bathinda (2012)	11.3	12.2	10.1	0.7	0.9	1.1	1.2	1.8	2.2
	<b>HPCL- TOTAL</b>	<b>27.1</b>	<b>29.4</b>	<b>26.5</b>	<b>1.9</b>	<b>2.0</b>	<b>2.0</b>	<b>3.8</b>	<b>3.8</b>	<b>3.9</b>
RIL	Jamnagar (DTA) (1999)	33.0	33.0	34.1	2.8	2.8	2.8	5.6	5.6	5.6
	Jamnagar (SEZ) (2008)	35.2	35.9	26.8	2.5	2.5	2.7	5.1	5.1	4.9
NEL	Vadinar (2006)	20.0	20.6	17.1	1.6	1.6	1.7	3.0	3.0	3.3
<b>All India (MMT)</b>		<b>249.9</b>	<b>254.4</b>	<b>221.8</b>	<b>16.3</b>	<b>20.2</b>	<b>19.0</b>	<b>31.1</b>	<b>39.7</b>	<b>38.9</b>
<b>All India (Million Bbl/Day)</b>		<b>5.02</b>	<b>5.09</b>	<b>4.45</b>	<b>3.87</b>		<b>4.49</b>	<b>3.74</b>		<b>4.67</b>

Note: Provisional Targets; Some sub-totals/ totals may not add up due to rounding off at individual levels.

### 9. Major crude oil and product pipeline network (as on 01.06.2021)









Details		ONGC	OIL	Cairn	HMEL	IOCL	BPCL	HPCL	Others*	Total
Crude Oil	Length (KM)	1,283	1,193	688	1,017	5,301	937			<b>10,419</b>
	Cap (MMTPA)	60.6	9.0	10.7	11.3	48.6	7.8			<b>147.9</b>
Products	Length (KM)		654			9,400	2,241	3,775	2,395	<b>18,465</b>
	Cap (MMTPA)		1.7			47.5	19.5	34.1	9.4	<b>112.2</b>

\*Others include GAIL and Petronet India. HPCL and BPCL lubes pipeline included in products pipeline data

# Pipeline Network



## Legend

-  Crude Oil Pipeline
-  Ongoing Crude Oil Pipeline
-  Product Pipeline
-  Ongoing Product Pipeline
-  LPG Pipeline
-  Ongoing LPG Pipeline
-  Gas Pipeline
-  Refinery (Capacity in MMTPA)

Note: Pipelines shown are indicative only.

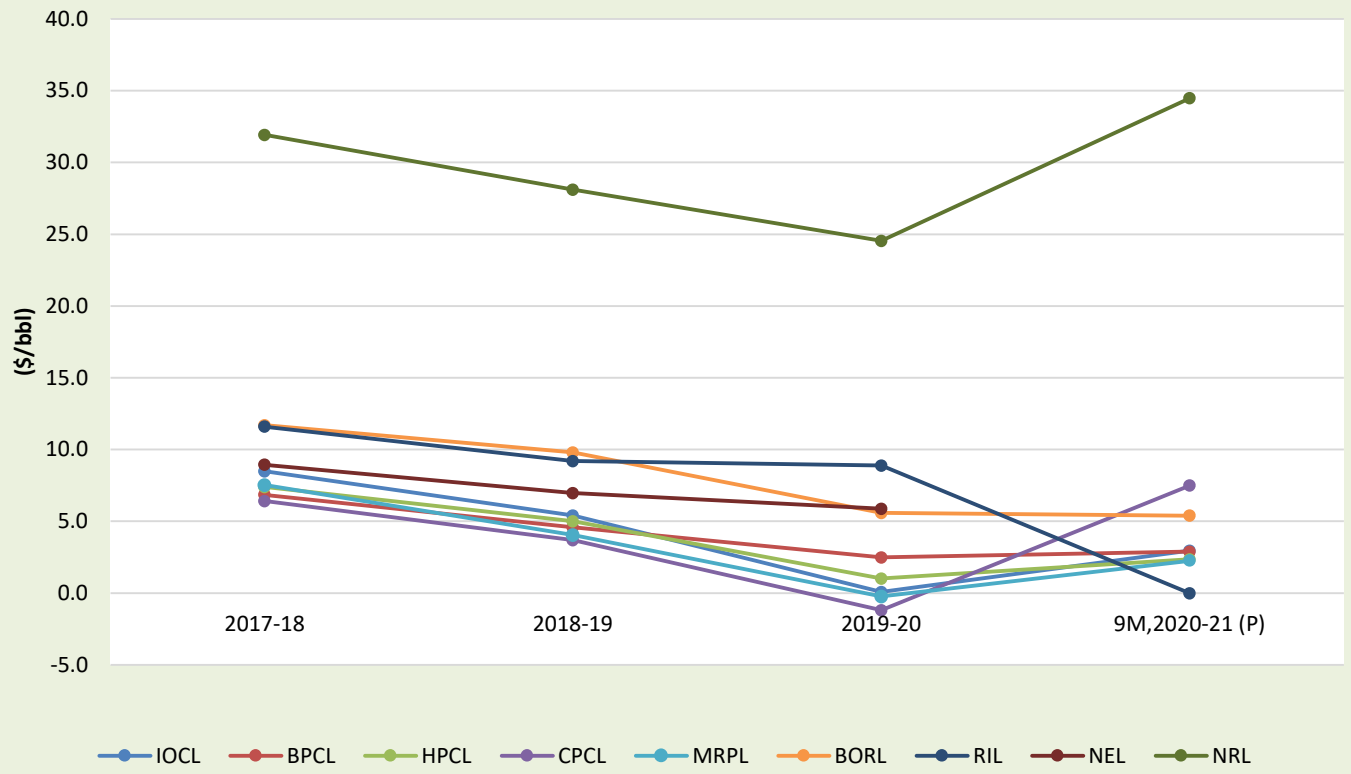


### 10. Gross Refining Margins (GRM) of refineries (\$/bbl)

Company	Refinery	2017-18	2018-19	2019-20	9M,2020-21 (P)
IOCL	Barauni	6.60	3.86	-1.24	0.04
	Koyali	9.44	4.87	1.90	0.86
	Haldia	6.86	5.36	-2.44	1.21
	Mathura	7.09	4.65	-1.02	2.05
	Panipat	7.74	4.66	-0.25	0.30
	Guwahati **	21.88	16.35	14.22	29.13
	Digboi **	24.86	22.74	17.52	26.75
	Bongaigaon **	20.62	16.94	10.49	25.13
	Paradip	7.02	4.46	-1.80	3.08
	<b>Weighted average</b>	<b>8.49</b>	<b>5.41</b>	<b>0.08</b>	<b>2.96</b>
BPCL	Kochi	6.44	4.27	2.17	3.38
	Mumbai	7.26	4.92	2.88	2.43
	<b>Weighted average</b>	<b>6.85</b>	<b>4.58</b>	<b>2.50</b>	<b>2.90</b>
HPCL	Mumbai	8.35	5.79	3.63	3.03
	Visakhapatnam	6.55	4.31	-1.30	1.80
	<b>Weighted average</b>	<b>7.40</b>	<b>5.01</b>	<b>1.02</b>	<b>2.35</b>
CPCL	Chennai	6.42	3.70	-1.18	7.50
MRPL	Mangalore	7.54	4.06	-0.23	2.25
NRL	Numaligarh **	31.92	28.11	24.55	34.48
BORL	Bina	11.70	9.80	5.60	5.40
RIL	Jamnagar	11.60	9.20	8.90	*
NEL <sup>@</sup>	Vadinar	8.95	6.97	5.88	*

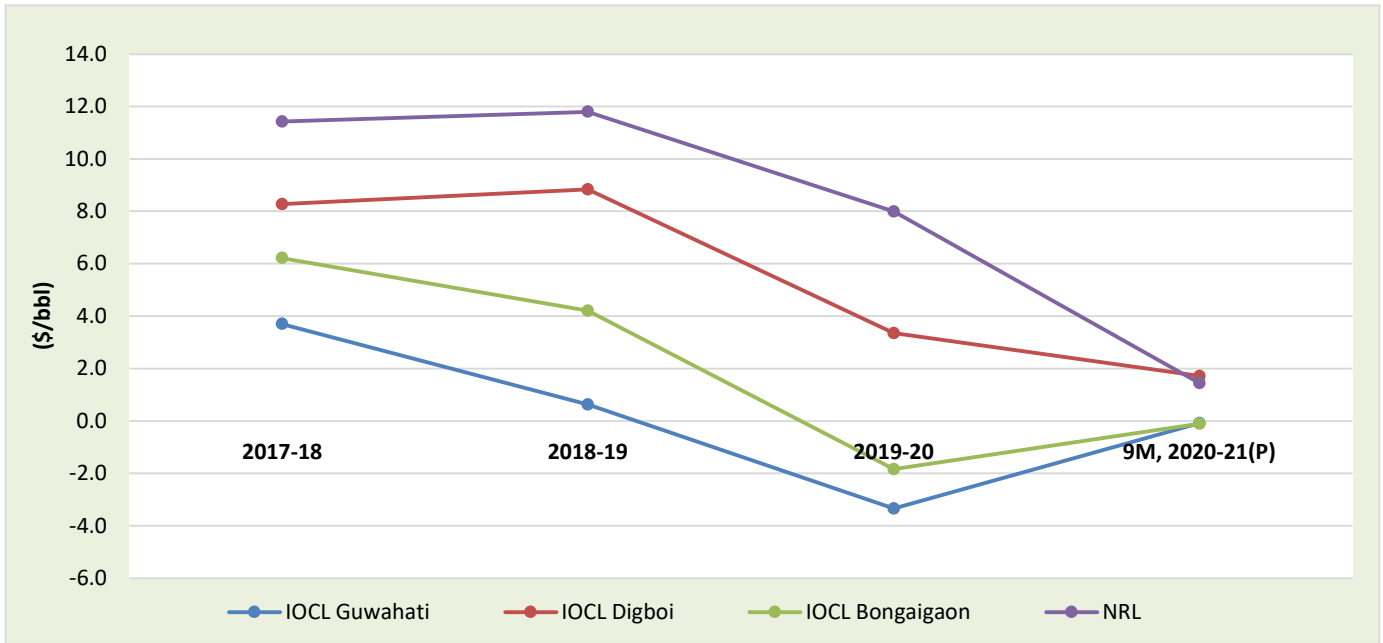
\*Not available; \*\* GRM of North Eastern refineries are including excise duty benefit. For GRM excluding excise duty benefit, refer table 11; HMEI data not available; @Nayara Energy Limited ( formerly Essar Oil Limited)

## Gross Refining Margins (GRM) of refineries (\$/bbl)



### 11. GRM of North-East refineries excluding excise duty benefit (\$/bbl)

Company	Refinery	2017-18	2018-19	2019-20	9M, 2020-21(P)
IOCL	Guwahati	3.70	0.63	-3.34	-0.08
	Digboi	8.27	8.84	3.35	1.72
	Bongaigaon	6.22	4.21	-1.84	-0.11
NRL	Numaligarh	11.43	11.80	7.99	1.44





***PART-C***

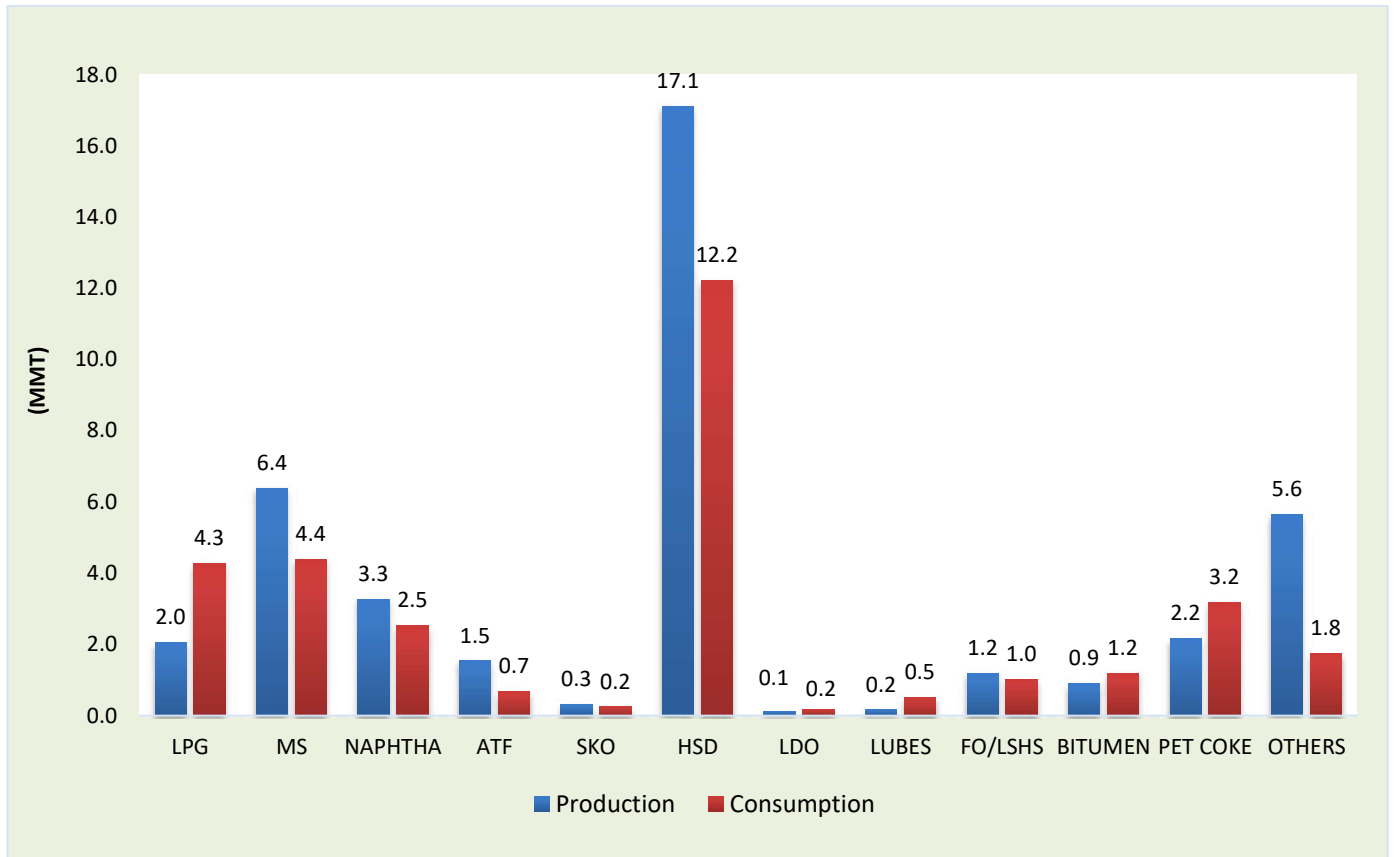
***Consumption***

## 12. Production and consumption of petroleum products (Million Metric Tonnes)

Products	2019-20		2020-21 (P)		May 2020		May 2021 (P)		Apr-May 2020 (P)		Apr-May 2021 (P)	
	Prod	Cons	Prod	Cons	Prod	Cons	Prod	Cons	Prod	Cons	Prod	Cons
LPG	12.8	26.3	12.1	27.6	1.0	2.3	1.0	2.2	1.9	4.4	2.0	4.3
MS	38.6	30.0	35.8	28.0	2.4	1.8	3.2	2.0	4.4	2.7	6.4	4.4
NAPHTHA	20.6	14.3	19.4	14.3	1.4	1.0	1.6	1.2	2.9	1.8	3.3	2.5
ATF	15.2	8.0	7.1	3.7	0.4	0.1	0.8	0.3	0.9	0.2	1.5	0.7
SKO	3.2	2.4	2.3	1.8	0.2	0.2	0.2	0.1	0.4	0.3	0.3	0.2
HSD	111.1	82.6	100.4	72.7	7.4	5.5	8.3	5.5	14.0	8.7	17.1	12.2
LDO	0.6	0.6	0.7	0.8	0.03	0.07	0.06	0.08	0.1	0.1	0.1	0.2
LUBES	0.9	3.8	1.1	3.5	0.1	0.2	0.1	0.3	0.1	0.3	0.2	0.5
FO/LSHS	9.3	6.3	8.2	6.0	0.8	0.5	0.7	0.5	1.5	0.8	1.2	1.0
BITUMEN	4.9	6.7	4.9	7.1	0.4	0.6	0.4	0.5	0.4	0.8	0.9	1.2
PET COKE	14.6	21.7	12.0	18.3	1.0	2.5	1.0	1.6	2.0	3.3	2.2	3.2
OTHERS	31.0	11.4	29.5	10.8	2.4	0.7	2.7	0.9	4.5	1.3	5.6	1.8
<b>ALL INDIA</b>	<b>262.9</b>	<b>214.1</b>	<b>233.4</b>	<b>194.6</b>	<b>17.3</b>	<b>15.3</b>	<b>20.0</b>	<b>15.1</b>	<b>33.2</b>	<b>24.7</b>	<b>40.8</b>	<b>32.1</b>
<b>Growth (%)</b>	<b>0.2%</b>	<b>0.4%</b>	<b>-11.2%</b>	<b>-9.1%</b>	<b>-21.3%</b>	<b>-20.2%</b>	<b>15.5%</b>	<b>-1.5%</b>	<b>-22.7%</b>	<b>-34.2%</b>	<b>22.8%</b>	<b>30.1%</b>

**Note:** Prod - Production; Cons - Consumption

## Petroleum Products: April-May 2021 (P) (MMT)



### 13. Kerosene allocation vs upliftment (Kilo Litres)

Product	2018-19		2019-20		2020-21 (P)		2021-22 (P)*	
	Allocation	Upliftment	Allocation	Upliftment	Allocation	Upliftment	Allocation	Upliftment
PDS Kerosene	44,32,994	41,52,112	31,21,328	27,93,217	23,15,008	20,38,790	4,47,756	2,78,083

\* Allocation is for Q1, 2021-22 and upliftment is for April-May 2021

### 14. Ethanol blending programme

Particulars	Ethanol Supply Year *				
	2017-18	2018-19	2019-20	2020-21 (P)	
				May-21	Dec'20-May'21
Ethanol received by PSU OMCs under EBP Program (in Cr. Litrs)	150.5	188.6	173.0	22.8	152.5
Average Percentage of Blending Sales (EBP%)	4.2%	5.0%	5.0%	8.9%	7.7%

\*Ethanol Supply Year : Ethanol supplies take place between 1<sup>st</sup> December of the present year to 30<sup>th</sup> November of the following year.

Note: With effect from 01.04.2019, EBP Programme has been extended to whole of India except UTs of Andaman and Nicobar Islands and Lakshadweep.

### 15. Industry marketing infrastructure (as on 01.06.2021) (Provisional)

Particulars	IOCL	BPCL	HPCL	RIL/RBML*	NEL	SHELL	Others	Total
POL Terminal/ Depots (Nos.) <sup>§</sup>	118	80	80	18	3	-	6	305
Aviation Fuel Stations (Nos.) <sup>@</sup>	121	61	46	31	-	-	1	260
Retail Outlets (total) (Nos.) <sup>^</sup>	32,177	18,652	18,692	1,422	6,100	270	18	77,331
out of which Rural ROs	9,969	4,266	4,565	127	1,937	60	3	20,927
SKO/LDO agencies (Nos.)	3,871	930	1,638	-	-	-	-	6,439
LPG Distributors (total) (Nos.) (PSUs only)	12,744	6,166	6,194	-	-	-	-	25,104
LPG Bottling plants (Nos.) (PSUs only) <sup>#</sup>	93	53	51	-	-	-	3	200
LPG Bottling capacity (TMTPA) (PSUs only) <sup>&amp;</sup>	10,244	4,920	5,912	-	-	-	173	21,249
LPG active domestic consumers (Nos. crore) (PSUs only)	13.6	7.5	7.9	-	-	-	-	29.1

<sup>§</sup>(Others=4 MRPL & 2 NRL); <sup>@</sup>(Others=ShellMRPL); <sup>^</sup>(Others=MRPL); <sup>#</sup>(Others=NRL-1, OIL-1, CPCL-1); <sup>&</sup>(Others=NRL-30, OIL-23, CPCL-120); \*RBML- Reliance BP Mobility Limited



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**PART-D**

**LPG**



### 16. LPG consumption (Thousand Metric Tonne)

LPG category	2019-20	2020-21 (P)	May			April-May		
			2020-21 (P)	2021-22 (P)	Gr (%)	2020-21 (P)	2021-22 (P)	Gr (%)
<b>1. PSU Sales :</b>								
LPG-Packed Domestic	23,076.0	25,117.1	2,177.4	2,036.2	-6.5	4,250.1	3,959.8	-6.8
LPG-Packed Non-Domestic	2,614.4	1,884.9	94.0	93.6	-0.5	124.5	237.0	90.3
LPG-Bulk	263.5	355.5	17.8	21.6	21.4	23.6	47.0	98.6
Auto LPG	171.9	118.3	5.2	4.5	-12.0	5.8	13.9	139.4
<b>Sub-Total (PSU Sales)</b>	<b>26,125.7</b>	<b>27,475.7</b>	<b>2,294.4</b>	<b>2,155.9</b>	<b>-6.0</b>	<b>4,404.1</b>	<b>4,257.7</b>	<b>-3.3</b>
<b>2. Direct Private Imports*</b>	<b>204.0</b>	<b>114.8</b>	<b>0.0</b>	<b>11.9</b>	<b>-</b>	<b>2.0</b>	<b>23.7</b>	<b>1,072.1</b>
<b>Total (1+2)</b>	<b>26,329.8</b>	<b>27,590.5</b>	<b>2,294.4</b>	<b>2,167.7</b>	<b>-5.5</b>	<b>4,406.1</b>	<b>4,281.4</b>	<b>-2.8</b>

\*Jul 2020-May 2021 DGCIS data prorated.

### 17. LPG marketing at a glance

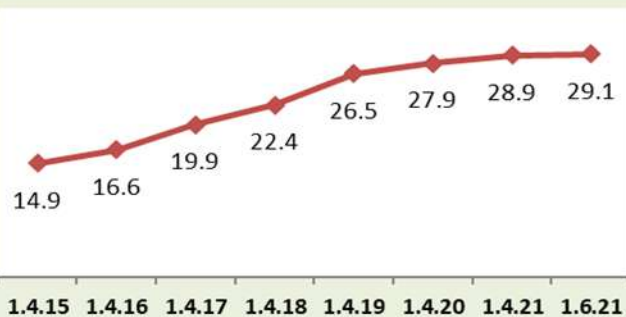
Particulars (As on 1st of April)	Unit	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021 (P)	1.6.2021 (P)
		LPG Active Domestic Customers	(Lakh)						1486	1663	1988	2243	2654	2787
	Growth							11.9%	19.6%	12.8%	18.3%	5.0%	3.9%	3.8%
LPG Coverage (Estimated)	(Percent)						56.2	61.9	72.8	80.9	94.3	97.5	99.8	99.9
	Growth							10.1%	17.6%	11.1%	16.5%	3.4%	2.3%	2.3%
PMUY Beneficiaries	(Lakh)								200	356	719	802	800.4	800.4
	Growth									77.7%	101.9%	11.5%	-0.2%	-0.2%
LPG Distributors	(No.)	9686	10541	11489	12610	13896	15930	17916	18786	20146	23737	24670	25083	25104
	Growth	3.4%	8.8%	9.0%	9.8%	10.2%	14.6%	12.5%	4.9%	7.2%	17.8%	3.9%	1.7%	1.7%
Auto LPG Dispensing Stations	(No.)	536	604	652	667	678	681	676	675	672	661	657	651	651
	Growth	19.9%	12.7%	7.9%	2.3%	1.6%	0.4%	-0.7%	-0.1%	-0.4%	-1.6%	-0.6%	-0.9%	-0.9%
Bottling Plants	(No.)	182	183	184	185	187	187	188	189	190	192	196	200	200
	Growth	0.0%	0.5%	0.5%	0.5%	1.1%	0.0%	0.5%	0.5%	0.5%	1.1%	2.1%	2.0%	2.0%

Source: PSU OMCs (IOCL, BPCL and HPCL)

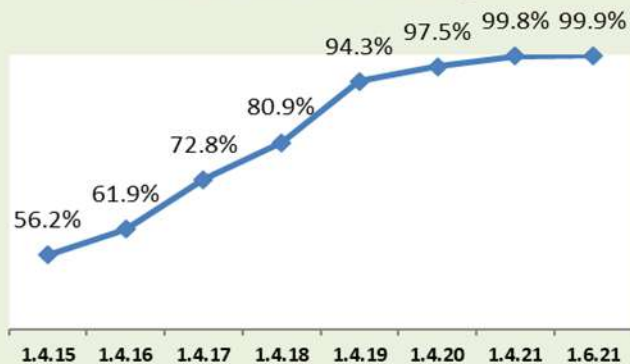
1. Growth rates as on 1.6.2021 are w.r.t. figures as on 1.6.2020. All growth rates as on 1 April of any year are w.r.t. figures as on 1 April of previous year.

2. LPG coverage has been estimated based on active domestic LPG connections of PSU OMCs divided by households estimated by extrapolating decadal growth of 2001-11 on households in 2011 as per Census 2011 figures.

**Growth trend in active LPG domestic customers (In Crore)**



**Growth trend in LPG coverage**



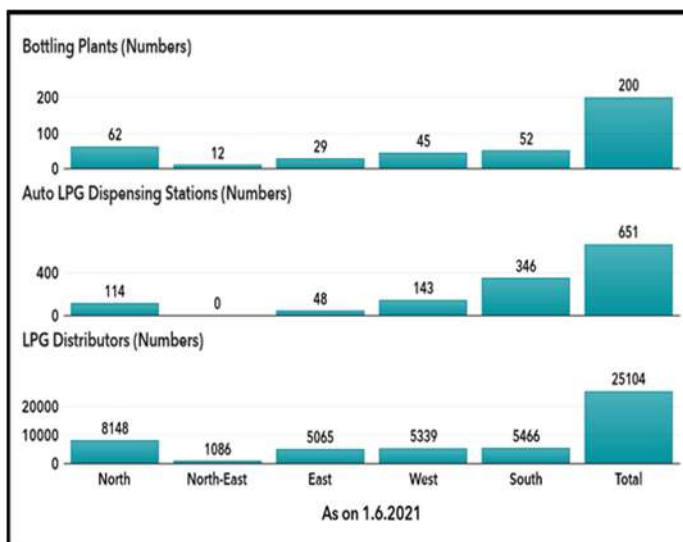
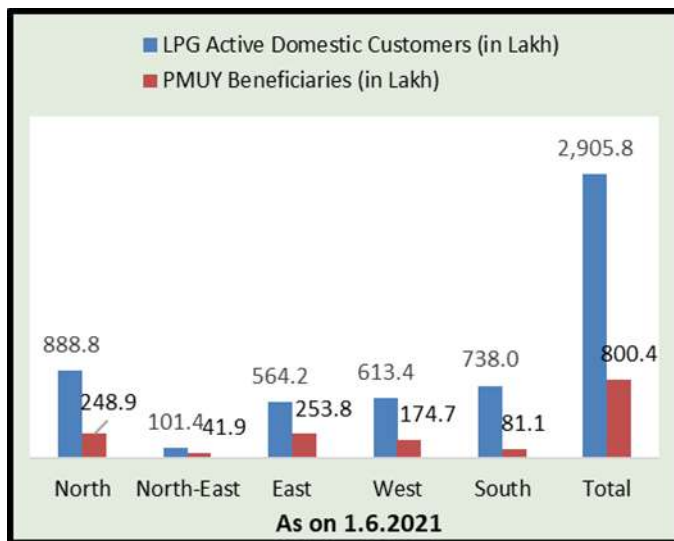
**Growth trend in LPG distributors**



### 18-Region-wise data on LPG marketing (As on 01.06.2021)

Particulars	North	North-East	East	West	South	Total
LPG Active Domestic Customers (in Lakh)	888.8	101.4	564.2	613.4	738.0	2905.8
LPG Coverage (Estimated)	114.2%	93.2%	86.1%	90.3%	107.5%	99.9%
PMUY Beneficiaries (in Lakh)	248.9	41.9	253.8	174.7	81.1	800.4
LPG Distributors (Numbers)	8148	1086	5065	5339	5466	25104
Auto LPG Dispensing Stations (Numbers)	114	0	48	143	346	651
Bottling Plants* (Numbers)	62	12	29	45	52	200

\*Includes Numaligarh BP, Duliajan BP and CPCL BP.





***PART-E***

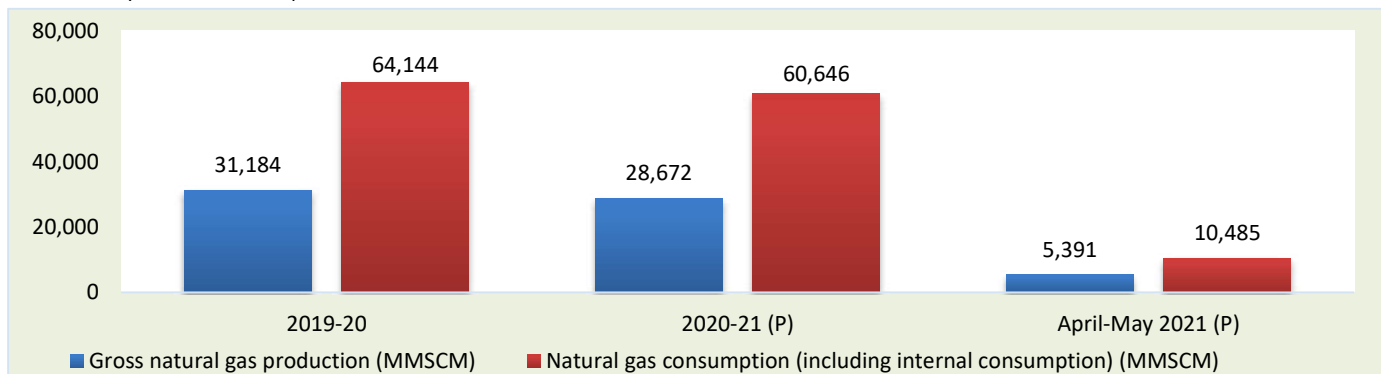
*Natural Gas*

## 19. Natural gas at a glance

(MMSCM)

Details	2019-20	2020-21 (P)	May			April-May		
			2020-21 (P)	2021-22 (Target)	2021-22 (P)	2020-21 (P)	2021-22 (Target)	2021-22 (P)
(a) Gross production	31,184	28,672	2,300	2,857	2,740	4,461	5,536	5,391
- ONGC	23,746	21,872	1,806	1,890	1,642	3,532	3,695	3,368
- Oil India Limited (OIL)	2,668	2,480	228	251	230	430	490	445
- Private / Joint Ventures (JVs)	4,770	4,321	266	716	868	499	1,350	1,579
(b) Net production (excluding flare gas and loss)	30,257	27,785	2,661		2,660	4,281		5,244
(c) LNG import <sup>#</sup>	33,887	32,861	2,370		2,587	4,198		5,242
(d) Total consumption including internal consumption (b+c)	64,144	60,646	5,031		5,247	8,480		10,485
(e) Total consumption (in BCM)	64.1	60.6	5.0		5.2	8.5		10.5
(f) Import dependency based on consumption (%), {c/d*100}	52.8	54.2	47.1		49.3	49.5		50.0

#Jul 2020-May 2021 DGCIS data prorated



## 20. Coal Bed Methane (CBM) gas development in India

Prognosticated CBM resources	91.8	TCF
Established CBM resources	10.4	TCF
CBM Resources (33 Blocks)	62.8	TCF
Total available coal bearing areas (India)	32760	Sq. KM
Total available coal bearing areas with MoPNG/DGH	21659	Sq. KM
Area awarded	16613	Sq. KM
Blocks awarded (ST CBM Block awarded twice in CBM Round II and Round IV)	32	Nos.
Exploration initiated (Area considered if any boreholes were drilled in the awarded block)	10669.55	Sq. KM
Production of CBM gas	April-May 2021 (P)	115.39
Production of CBM gas	May 2021 (P)	58.88
		MMSCM
		MMSCM

## 21. Natural gas pipeline network as on 31.12.2020

Nature of pipeline		GAIL	GSPL	PIL	IOCL	AGCL	RGPL	GGL	DFPCL	ONGC	GIGL	GITL	Others*	Total
Operational	Length	8,241	2,265	1,460	132	105	312	73	42	24				12,654
	Capacity	171.6	43.0	85.0	20.0	2.4	3.5	5.1	0.7	6.0				337.3
Partially commissioned <sup>#</sup>	Length	3,643			23						442	364		4,472
	Capacity	-			-						-	-		-
<b>Total operational length</b>		<b>11,884</b>	<b>2,265</b>	<b>1,460</b>	<b>155</b>	<b>105</b>	<b>312</b>	<b>73</b>	<b>42</b>	<b>24</b>	<b>442</b>	<b>364</b>	<b>0</b>	<b>17,126</b>
Under construction	Length	6,242			1,398						2,335	1,678	3,780	15,433
	Capacity	23.2			-						-	-	157.7	-
<b>Total length</b>		<b>18,126</b>	<b>2,265</b>	<b>1,460</b>	<b>1,553</b>	<b>105</b>	<b>312</b>	<b>73</b>	<b>42</b>	<b>24</b>	<b>2,777</b>	<b>2,042</b>	<b>3,780</b>	<b>32,559</b>

Source: PNGRB; Length in KMs ; Authorized Capacity in MMSCMD; \*Others-APGDC, HEPL, IGGL, IMC, Consortium of H-Energy

## 22. Existing LNG terminals

Location	Promoters	Capacity as on 01.06.2021	% Capacity utilisation (April 2021)
Dahej	Petronet LNG Ltd (PLL)	17.5 MMTPA	80.2
Hazira	Shell Energy India Pvt. Ltd.	5 MMTPA	36.9
Dabhol	Konkan LNG Limited	*5 MMTPA	146.0
Kochi	Petronet LNG Ltd (PLL)	5 MMTPA	27.0
Ennore	Indian Oil LNG Pvt Ltd	5 MMTPA	17.0
Mundra	GSPC LNG Limited	5 MMTPA	27.4
<b>Total Capacity</b>		<b>42.5 MMTPA</b>	

\* To increase to 5 MMTPA with breakwater. Only HP stream of capacity of 2.9 MMTPA is commissioned

**23. Status of PNG connections and CNG stations across India (Nos.), as on 30.04.2021 (P)**

State/Union Territory	Geographical Area/CGD Networks	Authorized CGD Entity	CNG stations	PNG connections		
				Domestic	Commercial	Industrial
Andhra Pradesh	Kakinada	Bhagyanagar Gas Limited	12	58,914	128	2
	East Godavari District (EAAA)	Godavari Gas Private Limited	15	49,777	5	0
	West Godavari District	Godavari Gas Private Limited	13	51,064	12	1
	Krishna District (EAAA)	Megha Engineering & Infrastructure Limited	15	10,540	94	15
	Vijaywada	Bhagyanagar Gas Limited	30	44,091	53	0
<b>Andhra Pradesh Total</b>			<b>85</b>	<b>214,386</b>	<b>292</b>	<b>18</b>
Andhra Pradesh, Karnataka & Tamil Nadu	Chittoor, Kolar and Vellore Districts	AGP City Gas Private Limited	0	0	0	1
<b>Andhra Pradesh, Karnataka &amp; Tamil Nadu Total</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>
Assam	Cachar, Hailakandi & Karimganj Districts	Purba Bharati Gas Private Limited	0	285	0	0
	Upper Assam	Assam Gas Company Limited	1	36,581	1,190	406
<b>Assam Total</b>			<b>1</b>	<b>36,866</b>	<b>1,190</b>	<b>406</b>
Bihar	Aurangabad, Kaimur & Rohtas Districts	Indian Oil Corporation Limited	1	0	0	0
	Begusarai District	Think Gas Begusarai Private Limited	4	0	0	0
	Patna District	GAIL (India) Limited	9	31,383	11	0
<b>Bihar Total</b>			<b>14</b>	<b>31,383</b>	<b>11</b>	<b>0</b>
Chandigarh (UT), Haryana, Punjab & Himachal Pradesh	Chandigarh	Indian-Oil Adani Gas Private Limited	18	111,820	41	11
<b>Chandigarh (UT), Haryana, Punjab &amp; Himachal Pradesh Total</b>			<b>18</b>	<b>111,820</b>	<b>41</b>	<b>11</b>
Dadra & Nagar Haveli (UT)	UT of Dadra & Nagar Haveli	Gujarat Gas Limited	7	7,498	55	55
<b>Dadra &amp; Nagar Haveli (UT) Total</b>			<b>7</b>	<b>7,498</b>	<b>55</b>	<b>55</b>
Daman & Diu (UT)	UT of Daman	Indian-Oil Adani Gas Private Limited	4	4,831	30	29
<b>Daman &amp; Diu (UT) Total</b>			<b>4</b>	<b>4,831</b>	<b>30</b>	<b>29</b>
Daman and Diu & Gujarat	Diu & Gir Somnath Districts	IRM Energy Private Limited	9	0	0	0
<b>Daman and Diu &amp; Gujarat Total</b>			<b>9</b>	<b>0</b>	<b>0</b>	<b>0</b>
Goa	North Goa District	Goa Natural Gas Private Limited	5	6,260	2	9
	South Goa District	Indian-Oil Adani Gas Private Limited	2	0	0	0
<b>Goa Total</b>			<b>7</b>	<b>6,260</b>	<b>2</b>	<b>9</b>
Gujarat	Ahmedabad City (Only for CNG)	Hindustan Petroleum Corporation Limited	22	-	-	-
	Vadodara	Adani Gas Limited	6	616	1	88
	Gandhinagar	Gujarat Gas Limited	15	127,522	540	29
	Bhavnagar	Gujarat Gas Limited	27	37,288	294	68
	Jamnagar	Gujarat Gas Limited	19	23,402	171	108
	Kutch (West)	Gujarat Gas Limited	12	1,929	25	2
	Amreli District	Gujarat Gas Limited	13	5,318	30	1
	Patan District	Sabarmati Gas Limited	22	13,293	25	6
	Dahej Vagra Taluka	Gujarat Gas Limited	4	1,114	13	31
	Dahod District	Gujarat Gas Limited	13	2,986	10	21
	Banaskantha District	IRM Energy Private Limited	30	25,900	112	11
	Anand District (EAAA)	Gujarat Gas Limited	30	37,685	243	17
	Panchmahal District	Gujarat Gas Limited	25	16,670	95	85
	Ahmedabad District (EAAA)	Gujarat Gas Limited	8	0	0	0
	Surendranagar District (EAAA) & Morbi District (EAAA)	Adani Gas Limited	6	0	0	0
	Barwala & Ranpur Talukas	Adani Gas Limited	3	0	0	0
	Navsari District (EAAA), Surat District (EAAA), Tapi District (EAAA) & the Dangas District	Adani Gas Limited	6	0	0	0
	Junagadh District	Torrent Gas Private Limited	12	0	0	0
	Kheda District (EAAA) & Mahisagar District	Adani Gas Limited	13	0	0	0
	Narmada (Rajpipla) District	Gujarat Gas Limited	4	69	0	0
	Porbandar District	Adani Gas Limited	5	0	0	0

State/Union Territory	Geographical Area/CGD Networks	Authorized CGD Entity	CNG stations	PNG connections		
				Domestic	Commercial	Industrial
	Surat, Bharuch, Ankleshwar	Gujarat Gas Limited	109	686,952	9,194	1,012
	Nadiad	Gujarat Gas Limited	32	64,729	391	20
	Navsari	Gujarat Gas Limited	23	105,643	261	54
	Rajkot	Gujarat Gas Limited	74	259,284	1,036	1,433
	Surendranagar	Gujarat Gas Limited	19	25,374	242	362
	Ahmedabad City and Daskroi Area	Adani Gas Limited	70	422,727	2,868	853
	Hazira	Gujarat Gas Limited	1	36,446	132	17
	Valsad	Gujarat Gas Limited	25	110,999	364	686
	Anand area including Kanjari & Vadtal Villages (in Kheda District)	Charotar Gas Sahakari Mandali Limited	7	35,085	674	142
	Gandhinagar Mehsana Sabarkantha	Sabarmati Gas Limited	114	208,782	914	366
	Vadodara	Vadodara Gas Limited	20	178,870	2,635	8
<b>Gujarat Total</b>			<b>789</b>	<b>2,428,683</b>	<b>20,270</b>	<b>5,420</b>
Haryana	Gurugram	Haryana City Gas Distribution Limited	29	22,735	141	175
	Faridabad	Adani Gas Limited	21	62,873	210	394
	Sonipat	GAIL Gas Limited	18	26,203	42	172
	Panipat District	Indian-Oil Adani Gas Private Limited	11	16,939	11	26
	Yamunanagar District	Bharat Petroleum Corporation Limited	4	6,150	0	0
	Rewari District	Indraprastha Gas Limited	15	10,560	55	148
	Rohtak District	Bharat Petroleum Corporation Limited	3	1,441	0	0
	Karnal District	Indraprastha Gas Limited	10	9,949	5	12
	Ambala & Kurukshetra Districts	HPOIL Gas Private Limited	8	6,691	0	0
	Bhiwani, Charkhi Dadri & Mahendragarh Districts	Adani Gas Limited	12	0	0	0
	Hisar District	HCG (KCE) Private Limited	2	0	0	0
	Jhajjar District	Haryana City Gas (KCE) Private Limited	3	24	0	0
	Sonipat District (EAAA) & Jind District	Hindustan Petroleum Corporation Limited	8	0	0	0
	Nuh and Palwal Districts	Adani Gas Limited	12	1,476	4	37
	Kaithal District	Indraprastha Gas Limited	5	10,897	0	0
Gurugram	Indraprastha Gas Limited	14	15,849	87	21	
<b>Haryana Total</b>			<b>175</b>	<b>191,787</b>	<b>555</b>	<b>985</b>
Haryana & Himachal Pradesh	Panchkula District (EAAA), Sirmaur, Shimla & Solan (EAAA) Districts	Indian-Oil Adani Gas Private Limited	5	0	0	0
<b>Haryana &amp; Himachal Pradesh Total</b>			<b>5</b>	<b>0</b>	<b>0</b>	<b>0</b>
Haryana & Punjab	Sirsa, Fatehabad and Mansa (Punjab) Districts	Gujarat Gas Limited	9	0	0	0
<b>Haryana &amp; Punjab Total</b>			<b>9</b>	<b>0</b>	<b>0</b>	<b>0</b>
Himachal Pradesh	Bilaspur, Hamirpur & Una Districts	Bharat Gas Resources Limited	1	1,000	0	0
<b>Himachal Pradesh Total</b>			<b>1</b>	<b>1,000</b>	<b>0</b>	<b>0</b>
Jharkhand	East Singhbhum District	GAIL (India) Limited	4	15,652	0	0
	Ranchi District	GAIL (India) Limited	4	18,226	0	0
	Bokaro, Hazaribagh & Ramgarh Districts	Indian Oil Corporation Limited	5	0	0	0
	Giridih & Dhanbad Districts	GAIL Gas Limited	7	6,231	0	0
	Seraikela-Kharsawan District	GAIL Gas Limited	5	2,950	0	0
<b>Jharkhand Total</b>			<b>25</b>	<b>43,059</b>	<b>0</b>	<b>0</b>
Karnataka	Bengaluru Rural and Urban Districts	GAIL Gas Limited	33	202,085	249	141
	Tumkur District	Megha Engineering & Infrastructure Limited	0	16,424	100	36
	Dharwad District	Indian-Oil Adani Gas Private Limited	5	13,462	5	1
	Belgaum District	Megha Engineering & Infrastructure Limited	2	13,191	65	22
	Chitradurga & Davanagere Districts	Unison Enviro Private Limited	4	0	0	0
	Udupi District	Adani Gas Limited	2	0	0	0
	Ballari & Gadag Districts	Bharat Gas Resources Limited	4	0	0	0
	Bidar District	Bharat Gas Resources Limited	1	0	0	0
	Dakshina Kannada District*	GAIL Gas Limited	13	8,707	0	0



State/Union Territory	Geographical Area/CGD Networks	Authorized CGD Entity	CNG stations	PNG connections		
				Domestic	Commercial	Industrial
	Ramanagara District	Maharashtra Natural Gas Limited	7	1,269	0	1
	Mysuru, Mandya and ChamaraJanagar Districts	AGP City Gas Private Limited	2	0	0	0
<b>Karnataka Total</b>			<b>73</b>	<b>255,138</b>	<b>419</b>	<b>201</b>
Kerala	Ernakulam District	Indian-Oil Adani Gas Private Limited	9	42,432	12	9
	Kozhikode & Wayanad Districts	Indian-Oil Adani Gas Private Limited	3	0	0	0
	Malappuram District	Indian-Oil Adani Gas Private Limited	3	0	0	0
	Palakkad & Thrissur Districts	Indian-Oil Adani Gas Private Limited	10	0	0	0
	Alapuzha, Kollam and Thiruvananthapuram Districts	AGP City Gas Private Limited	2	0	0	3
<b>Kerala Total</b>			<b>27</b>	<b>42,432</b>	<b>12</b>	<b>12</b>
Madhya Pradesh	Dewas	GAIL Gas Limited	3	13,323	28	42
	Dhar District	Naveriya Gas Private Limited	2	620	14	0
	Bhopal & Rajgarh Districts	Think Gas Bhopal Private Limited	16	5	1	1
	Guna District	Indian Oil Corporation Limited	1	506	0	0
	Rewa District	Indian Oil Corporation Limited	3	810	0	0
	Satna & Shandol Districts	Bharat Gas Resources Limited	2	1,580	0	0
	Indore (including Ujjain City)	Aavantika Gas Limited	39	62,914	94	236
	Gwalior	Aavantika Gas Limited	15	24,315	44	8
	Gwalior (EAAA) District and Sheopur District	Rajasthan State Gas Limited	2	0	0	0
	Morena District	Indian Oil Corporation Limited	1	0	0	0
	Raisen, Shajapur and Sehore Districts	GAIL Gas Limited	4	44	0	0
	Shivpuri District	Think Gas Bhopal Private Limited	1	0	0	0
	Ujjain (EAAA) District, Dewas (EAAA) District and Indore (EAAA) District	Gujarat Gas Limited	6	0	0	0
<b>Madhya Pradesh Total</b>			<b>95</b>	<b>104,117</b>	<b>181</b>	<b>287</b>
Madhya Pradesh and Rajasthan	Jhabua, Banswara, Ratlam and Dungarpur Districts	Gujarat Gas Limited	8	0	0	0
<b>Madhya Pradesh and Rajasthan Total</b>			<b>8</b>	<b>0</b>	<b>0</b>	<b>0</b>
Madhya Pradesh and Uttar Pradesh	Jhansi (EAAA) District, Bhind, Jalaun, Lalitpur and Datia Districts	Adani Gas Limited	6	0	0	0
<b>Madhya Pradesh and Uttar Pradesh Total</b>			<b>6</b>	<b>0</b>	<b>0</b>	<b>0</b>
Maharashtra	Palghar District & Thane Rural	Gujarat Gas Limited	17	475	14	61
	Raigarh District (EAAA)	Mahanagar Gas Limited	19	40,470	0	1
	Pune District (EAAA)	Torrent Gas Pune Limited	29	1,593	0	4
	Ratnagiri District	Unison Enviro Private Limited	15	2,406	1	28
	Kolhapur District	HPOIL Gas Private Limited	6	3,457	0	0
	Ahmednagar & Aurangabad Districts	Bharat Gas Resources Limited	13	0	0	0
	Latur & Osmanabad Districts	Unison Enviro Private Limited	4	0	0	0
	Sangli & Satara Districts	Bharat Gas Resources Limited	9	677	0	0
	Sindhudurg District	Maharashtra Natural Gas Limited	6	1,618	0	0
	Mumbai & Greater Mumbai	Mahanagar Gas Limited	143	941,939	3,166	15
Pune City including Pimpri - Chichwad & adjoining contiguous areas Hinjewadi, Chakan, Talegaon	Maharashtra Natural Gas Limited	87	361,070	379	225	
Thane urban and adjoining Municipalities	Mahanagar Gas Limited	113	628,870	943	67	
<b>Maharashtra Total</b>			<b>461</b>	<b>1,982,575</b>	<b>4,503</b>	<b>401</b>
Maharashtra & Gujarat	Valsad (EAAA), Dhule & Nashik Districts	Maharashtra Natural Gas Limited	32	25,980	0	0
<b>Maharashtra &amp; Gujarat Total</b>			<b>32</b>	<b>25,980</b>	<b>0</b>	<b>0</b>
National Capital Territory of Delhi (UT)	National Capital Territory of Delhi	Indraprastha Gas Limited	436	1,067,329	2,722	1,602
<b>National Capital Territory of Delhi (UT) Total</b>			<b>436</b>	<b>1,067,329</b>	<b>2,722</b>	<b>1,602</b>
Odisha	Sundargarh & Jharsuguda Districts	GAIL Gas Limited	2	1,209	0	0
	Balasore, Bhubaneswar & Mayurbhanj Districts	Adani Gas Limited	4	0	0	0
	Ganjam, Nayagarh & Puri Districts	GAIL Gas Limited	2	1,457	0	0
	Khordha District	GAIL (India) Limited	10	17,764	0	0

State/Union Territory	Geographical Area/CGD Networks	Authorized CGD Entity	CNG stations	PNG connections		
				Domestic	Commercial	Industrial
	Cuttack District	GAIL (India) Limited	6	8,612	0	0
	<b>Odisha Total</b>		<b>24</b>	<b>29,042</b>	<b>0</b>	<b>0</b>
Puducherry & Tamil Nadu	Karaikal & Nagapattinam Districts	Torrent Gas Private Limited	2	0	0	0
	<b>Puducherry &amp; Tamil Nadu Total</b>		<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>
Punjab	Jalandhar	Jay Madhok Energy Private Limited led Consortium	3	0	0	0
	Amritsar District	Gujarat Gas Limited	14	3,719	44	4
	Bhatinda District	Gujarat Gas Limited	6	1,079	0	0
	Rupnagar District	Bharat Petroleum Corporation Limited	6	4,950	0	0
	Fatehgarh Sahib District	IRM Energy Private Limited	7	1,432	18	56
	SAS Nagar District (EAAA), Patiala & Sangrur Districts	Torrent Gas Private Limited	17	46	0	0
	Ludhiana District (EAAA), Barnala & Moga Districts	Think Gas Ludhiana Private Limited	12	147	0	0
	Jalandhar District (EAAA), Kapurthala & SBS Nagar Districts	Think Gas Ludhiana Private Limited	10	0	0	0
	Ferozepur, Faridkot and Sri Muktsar Sahib Districts	Gujarat Gas Limited	3	0	0	0
	Hoshiarpur and Gurdaspur Districts	Gujarat Gas Limited	16	0	0	0
Ludhiana #	Jay Madhok Energy Private Limited led Consortium	3	0	0	0	
	<b>Punjab Total</b>		<b>97</b>	<b>11,373</b>	<b>62</b>	<b>60</b>
Rajasthan	CNG (DBS) NOC	Rajasthan State Gas Limited	2	-	-	-
	Kota	Rajasthan State Gas Limited	7	16,834	17	15
	Barmer, Jaisalmer & Jodhpur Districts	AGP CGD India Private Limited	6	72	1	3
	Kota District (EAAA), Baran & Chittorgarh (Only Rawatbhata Taluka) Districts	Torrent Gas Private Limited	11	2	0	0
	Bhilwara & Bundi Districts	Adani Gas Limited	6	0	0	0
	Chittorgarh (Other than Rawatbhata Taluka) & Udaipur Districts*	Adani Gas Limited	15	0	0	0
	Dholpur District	Dholpur CGD Private Limited	5	0	0	0
	Bhiwadi (in Alwar District)	Haryana City Gas Distribution (Bhiwadi) Limited	1	2,156	0	55
	Ajmer, Pali and Rajsamand Districts	Indraprastha Gas Limited	8	41,494	0	0
Jalore and Sirohi Districts	Gujarat Gas Limited	6	0	0	0	
	<b>Rajasthan Total</b>		<b>67</b>	<b>60,558</b>	<b>18</b>	<b>73</b>
Tamil Nadu	Coimbatore District	Indian Oil Corporation Limited	2	0	0	0
	Cuddalore, Nagapattinam & Tiruvarur Districts	Adani Gas Limited	9	0	0	0
	Ramanathapuram District	AGP CGD India Private Limited	2	0	0	0
	Tiruppur District	Adani Gas Limited	15	0	0	0
	<b>Tamil Nadu Total</b>		<b>28</b>	<b>0</b>	<b>0</b>	<b>0</b>
Telangana	Medak, Siddipet & Sangareddy Districts	Torrent Gas Private Limited	14	0	0	4
	Nalgonda Suryapet & Yadadri Bhuvanagiri Districts	Megha Engineering & Infrastructure Limited	1	512	0	1
	Hyderabad	Bhagyanagar Gas Limited	83	146,890	28	45
	<b>Telangana Total</b>		<b>98</b>	<b>147,402</b>	<b>28</b>	<b>50</b>
Tripura	Gomati District	Tripura Natural Gas Company Limited	5	0	0	0
	West Tripura (EAAA) District	Tripura Natural Gas Company Limited	6	6,853	0	0
	Agartala	Tripura Natural Gas Company Limited	6	42,663	491	62
	<b>Tripura Total</b>		<b>17</b>	<b>49,516</b>	<b>491</b>	<b>62</b>
	Gautam Budh Nagar District	Indraprastha Gas Limited	51	259,307	614	901
	Mathura	Sanwariya Gas Limited	11	4,593	39	78
	Meerut	GAIL Gas Limited	17	49,984	44	62
	Allahabad	Indian-Oil Adani Gas Private Limited	6	36,184	30	6
	Jhansi	Central UP Gas Limited	5	1,013	0	0
	Saharanpur District	Bharat Petroleum Corporation Limited	6	8,992	0	0
	Bulandshahr (part) District	Indian-Oil Adani Gas Private Limited	5	0	0	0
	Bagpat District	Bagpat Green Energy Private Limited	3	0	0	0
	Bulandshahr District (EAAA), Aligarh & Hathras Districts	Indian-Oil Adani Gas Private Limited	6	0	0	0
	Allahabad District (EAAA), Bhadohi & Kaushambi Districts	Indian-Oil Adani Gas Private Limited	9	352	0	0

State/Union Territory	Geographical Area/CGD Networks	Authorized CGD Entity	CNG stations	PNG connections		
				Domestic	Commercial	Industrial
Uttar Pradesh	Amethi, Pratapgarh & Raebareli Districts	Bharat Gas Resources Limited	6	1,824	0	0
	Auraiya, Kanpur Dehat & Etawah Districts	Torrent Gas Private Limited	19	505	0	0
	Faizabad & Sultanpur Districts	Green Gas Limited	2	841	0	0
	Meerut District (EAAA), Muzaffarnagar & Shamli Districts	Indraprastha Gas Limited	10	16,623	6	0
	Moradabad (EAAA) District	Torrent Gas Private Limited	15	696	0	1
	Unnao (EAAA) District	Green Gas Limited	1	0	0	0
	Varanasi District	GAIL (India) Limited	10	36,895	30	1
	Khurja	Adani Gas Limited	6	7,262	5	232
	Moradabad	Torrent Gas Moradabad Limited	6	9,363	13	86
	Bareilly	Central UP Gas Limited	16	34,904	129	23
	Kanpur	Central UP Gas Limited	34	84,654	232	81
	Agra	Green Gas Limited	25	79,094	61	17
	Lucknow	Green Gas Limited	37	69,870	57	11
	Ghaziabad & Hapur Districts	Indraprastha Gas Limited	56	245,286	306	394
	Azamgarh, Mau and Ballia Districts	Torrent Gas Private Limited	9	0	0	0
	Bareilly (EAAA) District, Pilibhit and Rampur Districts	Hindustan Petroleum Corporation Limited	7	0	0	0
	Basti and Ambedkarnagar Districts	Torrent Gas Private Limited	11	0	0	0
	Farrukhabad, Etah and Hardoi Districts	Hindustan Petroleum Corporation Limited	8	0	0	0
	Gonda and Barabanki Districts	Torrent Gas Private Limited	11	0	0	0
	Jaunpur and Ghazipur Districts	Indian-Oil Adani Gas Private Limited	3	0	0	0
	Kanpur (EAAA) District, Fatehpur and Hamirpur Districts	Indraprastha Gas Limited	7	14,674	0	0
	Mainpuri and Kannauj Districts	Hindustan Petroleum Corporation Limited	4	0	0	0
	Mirzapur, Chandauli and Sonbhadra Districts	GAIL Gas Limited	7	1,709	0	0
	Shahjahanpur and Budaun Districts	Hindustan Petroleum Corporation Limited	6	0	0	0
	Gorakhpur, Sant Kabir Nagar & Kushinagar Districts	Torrent Gas Private Limited	16	52	0	0
	<b>Uttar Pradesh Total</b>			<b>451</b>	<b>964,677</b>	<b>1,566</b>
Uttar Pradesh & Rajasthan	Firozabad (Taj) Trapezium Zone)	GAIL Gas Limited	31	18,050	1	341
<b>Uttar Pradesh &amp; Rajasthan Total</b>			<b>31</b>	<b>18,050</b>	<b>1</b>	<b>341</b>
Uttar Pradesh and Uttrakhand	Bijnor and Nainital Districts	Hindustan Petroleum Corporation Limited	7	0	0	0
<b>Uttar Pradesh and Uttrakhand Total</b>			<b>7</b>	<b>0</b>	<b>0</b>	<b>0</b>
Uttrakhand	Dehradun District	GAIL Gas Limited	6	9,142	0	0
	Udhham Singh Nagar District	Indian-Oil Adani Gas Private Limited	6	10,196	33	42
	Haridwar District	Haridwar Natrural Gas Private Limited	4	21,672	0	0
<b>Uttrakhand Total</b>			<b>16</b>	<b>41,010</b>	<b>33</b>	<b>42</b>
West Bengal	Burdwan District	Indian-Oil Adani Gas Private Limited	12	0	0	0
	Kolkata Municipal Corporation and Parts of Adjoining Districts	Bengal Gas Company Limited	2	0	0	0
	Howrah (EAAA) District and Hoogly (EAAA) District	Hindustan Petroleum Corporation Limited	2	0	0	0
	Nadia (EAAA) District and North 24 Parganas (EAAA) District	Hindustan Petroleum Corporation Limited	1	0	0	0
CNG Stations	Great Eastern Energy Corporation Limited (GEECL)	1	0	0	0	
<b>West Bengal Total</b>			<b>18</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Grand Total</b>			<b>3,143</b>	<b>7,876,772</b>	<b>32,482</b>	<b>11,958</b>

Source- PNGRB & GEECL

**Note-**

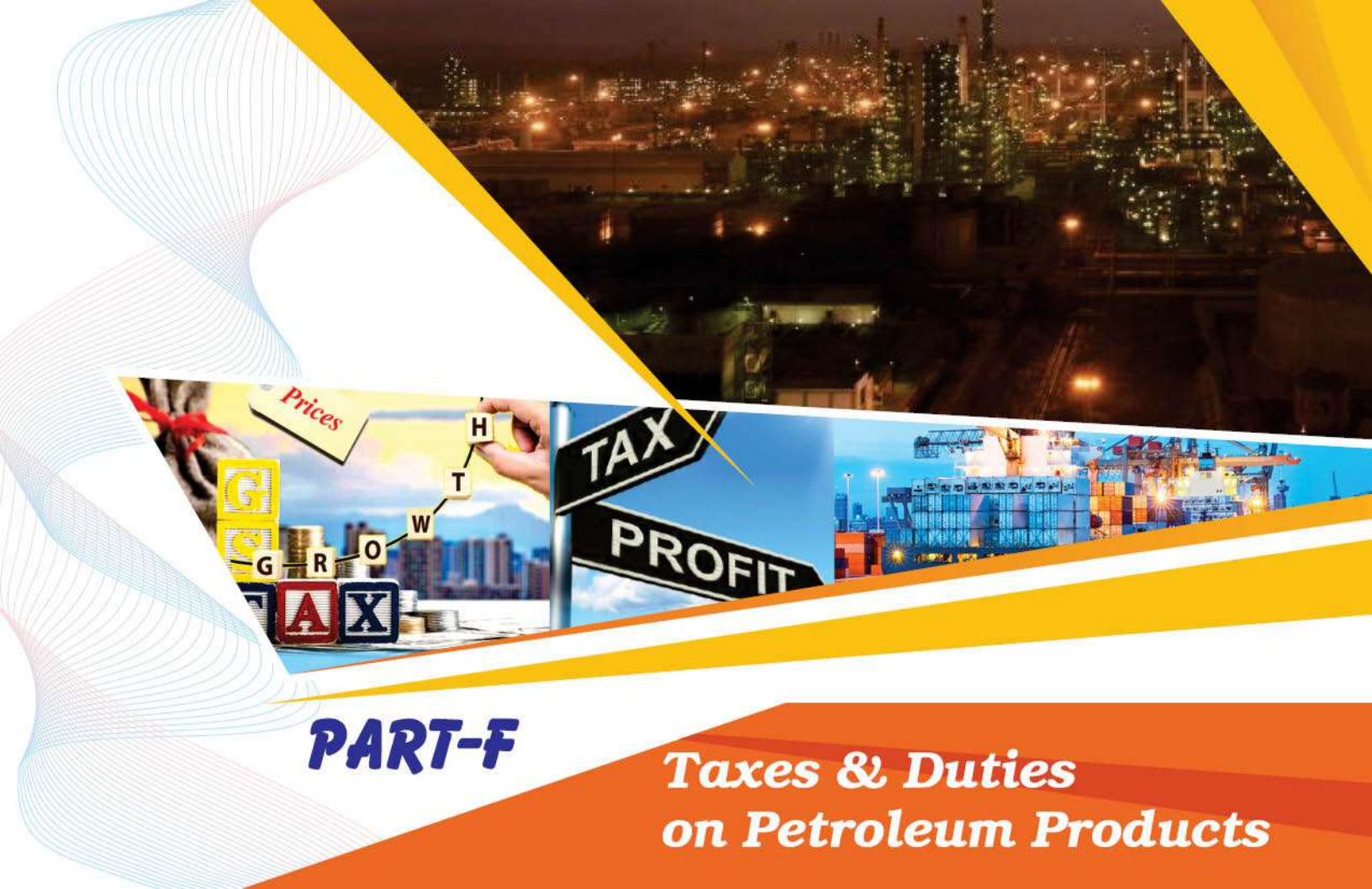
1. All the GAs where PNG connections/CNG Stations have been established is considered as Operational.
2. Under normal conditions, operation of any particular GA commences within around one year of authorization.
3. EAAA stands for Excluding/Except Area Already Authorized | \* stands for Sub-Judice | # stands for authorization of GA cancelled

## 24. Domestic natural gas price and gas price ceiling (GCV basis)

Period	Domestic Natural Gas price in US\$/MMBTU	Gas price ceiling in US\$/MMBTU
November 2014 - March 2015	5.05	-
April 2015 - September 2015	4.66	-
October 2015 - March 2016	3.82	-
April 2016 - September 2016	3.06	6.61
October 2016 - March 2017	2.5	5.3
April 2017 - September 2017	2.48	5.56
October 2017 - March 2018	2.89	6.3
April 2018 - September 2018	3.06	6.78
October 2018 - March 2019	3.36	7.67
April 2019 - September 2019	3.69	9.32
October 2019 - March 2020	3.23	8.43
April 2020 - September 2020	2.39	5.61
October 2020 - March 2021	1.79	4.06
April 2021 - September 2021	1.79	3.62

## 25. CNG/PNG prices

City	CNG (Rs/Kg)	PNG (Rs/SCM)	Source
Delhi	43.40	28.41	IGL (w.e.f. 2 <sup>nd</sup> March 2021)
Mumbai	49.40	29.85 (Slab 1) 35.45 (Slab 2)	MGL (w.e.f 8 <sup>th</sup> February 2021) Slab- 1 (0.0-0.60 SCMD), Slab- 2 (0.61-1.50 SCMD)



## ***PART-F***

# ***Taxes & Duties on Petroleum Products***

## 26. Information on Prices, Taxes and Under-recoveries/Subsidies

International FOB prices/ Exchange rates (\$/bbl)				Price buildup of petroleum products (Rs./litre/Cylinder)		
Particulars	2019-20	2020-21	May 2021	Particulars	Petrol*	Diesel*
Crude oil (Indian Basket)	60.47	44.82	66.95	Price charged to dealers (excluding Excise Duty and VAT)	35.99	38.49
Petrol	66.94	47.68	74.42	Excise Duty	32.90	31.80
Diesel	71.78	47.86	72.08	Dealers' Commission (Average)	3.79	2.59
Kerosene	70.56	43.60	70.01	VAT (incl VAT on dealers' commission)	21.81	12.50
LPG (\$/MT)	453.75	415.17	483.00	<b>Retail Selling Price</b>	<b>94.49</b>	<b>85.38</b>
FO (\$/MT)	321.19	259.30	367.88			
Naphtha (\$/MT)	471.08	378.93	579.20			
Exchange (Rs./\$)	70.88	74.20	73.27			
Customs, excise duty & GST rates						
Product	Basic customs duty #	Excise duty	GST rates	Particulars	PDS SKO*	Subsidised Domestic LPG*
Petrol	2.50%	Rs 32.90/Ltr <sup>^</sup>	**	Price before taxes and dealers'/distributors' commission	34.93	708.63
Diesel	2.50%	Rs 31.80/Ltr <sup>^</sup>	**	Dealers'/distributors' commission	2.64	61.84
PDS SKO	Nil	Not Applicable	5.00%	GST (incl GST on dealers'/distributors' commission)	1.88	38.53
Non-PDS SKO	5.00%		18.00%	<b>Retail Selling Price</b>	<b>39.45</b>	<b>809.00</b>
Domestic LPG	Nil***		5.00%			
Non Domestic LPG	5.00%		18.00%			
Furnace Oil (Non-Fert)	5.00%		18.00%			
Naphtha (Non-Fert)	2.5% <sup>^</sup>		18.00%			
ATF	5.00%		11% *	**		
Crude Oil	Rs.1/MT+ Rs.50/-MT as NCCD	Rs.1/MT+ Cess@20% + Rs.50 /-MT NCCD	**			

\*2% for scheduled commuter airlines from regional connectivity scheme airports;

\*\* GST Council shall recommend the date on which GST shall be levied on petroleum crude, HSD, MS, natural gas and ATF; # Social welfare surcharge @ 10% is levied on aggregate duties of Customs excluding CVD in lieu of IGST; \*\*\* Customs duty is Nil for import of Domestic LPG sold to household consumers (including NDEC) by PSU OMCs. Customs duty rate is 5% for other importers of domestic LPG; <sup>^</sup>Effective 02.02.2021.

Price buildup of petroleum products (Rs./litre/Cylinder)		
Particulars	Petrol*	Diesel*
Price before taxes and dealers'/distributors' commission	34.93	708.63
Dealers'/distributors' commission	2.64	61.84
GST (incl GST on dealers'/distributors' commission)	1.88	38.53
<b>Retail Selling Price</b>	<b>39.45</b>	<b>809.00</b>

\*Petrol and diesel at Delhi as per IOCL are as on 1st June 2021. PDS SKO at Mumbai as on 1st June 2021 and Subsidised Domestic LPG at Delhi as on 1st June 2021.

## 26. Information on Prices, Taxes and Under-recoveries/Subsidies

### Under-recoveries/subsidy & burden sharing

PDS Kerosene			
Product	2018-19	2019-20	2020-21
	Rs./Crore		
Under recovery	5,950	1,833	0
Subsidy under DBTK #	98	42	0
<b>Total</b>	<b>6,048</b>	<b>1,875</b>	<b>0</b>

#DBTK subsidy excludes cash incentive/ assistance for establishment of institutional mechanism for direct transfer of subsidy paid to States/UTs. DBTK subsidy for 2019-20 is till Oct 2019.

### Domestic LPG under DBTL (Direct benefit transfer for LPG)

Particulars	2018-19	2019-20	2020-21 (P)
	Rs./Crore		
DBTL subsidy	31,447	22,635	3,559
PME & IEC^	92	91	99
<b>Total</b>	<b>31,539</b>	<b>22,726</b>	<b>3,658</b>

^ on payment basis (PME & IEC- Project Management Expenditure & Information Education and Communication)

### Sales & profit of petroleum sector (Rs. Crores)

Particulars	2019-20		2020-21 (9M)	
	Turnover	PAT	Turnover	PAT
Upstream/midstream Companies (PSU)	179,192	22,650	93,684	8,629
Downstream Companies (PSU)	11,74,731	6,633	7,35,919	27,802
Standalone Refineries (PSU)	123,424	-3,405	70,348	1,546
Private-RIL	3,66,177	30,903	188,148	24,468

### Borrowings of OMCs (Rs. Crores), As on

Company	Mar`19	Mar`20	Dec`20
IOCL	86,359	116,545	72,451
BPCL	29,099	41,875	24,674
HPCL	27,240	43,021	30,640

### Petroleum sector contribution to Central/State Govt.

Particulars	2018-19	2019-20	2020-21 (9M)
Central Government	3,48,041	3,34,315	276,216
% of total revenue receipts	22%	18%	
State Governments	2,27,591	2,21,056	145,164
% of total revenue receipts	8%	7%	
<b>Total (Rs. Crores)</b>	<b>5,75,632</b>	<b>5,55,370</b>	<b>421,381</b>

### Subsidy as a percentage of GDP (at current prices)

Particulars	2018-19	2019-20
Petroleum subsidy	0.23	0.13

**Note:** GDP figure for 2018-19 are Revised Estimates and 2019-20 are Provisional Estimates



# **PART-G**

## **Miscellaneous**



## 27. Capital expenditure of PSU oil companies

(Rs in crores)

Company	2018-19	2019-20	2020-21	2021-22 (P)	
				Target	April-May
ONGC Ltd	28,738	30,115	26,441	29,800	3,553
ONGC Videsh Ltd (OVL)	6,013	5,363	5,351	8,380	1,227
Oil India Ltd (OIL)	3,702	3,724	12,802	4,108	666
GAIL (India) Ltd	5,958	4,381	5,560	5,861	253
Indian Oil Corp. Ltd. (IOCL)	26,548	28,316	27,195	28,547	2,098
Hindustan Petroleum Corp. Ltd (HPCL)	11,689	13,773	14,036	14,500	2,030
Bharat Petroleum Corp. Ltd (BPCL)	10,084	10,255	10,697	10,000	541
Mangalore Refinery & Petrochem Ltd (MRPL)	1,072	1,318	2,218	850	91
Chennai Petroleum Corp. Ltd (CPCL)	1,208	969	592	384	31
Numaligarh Refinery Ltd (NRL)	459	536	981	2,000	97
Balmer Lawrie Co. Ltd (BL)	125	40	42	40	3
Engineers India Ltd (EIL) #	87	164	730	150	44
<b>Total</b>	<b>95,684</b>	<b>98,955</b>	<b>106,642</b>	<b>104,620</b>	<b>10,633</b>

Includes expenditure on investment in JV/subsidiaries.

(P) Provisional; # Included from 2018-19

Totals may not tally due to roundoff.

## 28. Conversion factors and volume conversion

Weight to volume conversion				Volume conversion	
Product	Weight (MT)	Volume (KL)	Barrel (bbl)	From	To
LPG	1	1.844	11.60	1 US Barrel (bbl)	159 litres
Petrol (MS)	1	1.411	8.88	1 US Barrel (bbl)	42 US Gallons
Diesel (HSD)	1	1.210	7.61	1 US Gallon	3.78 litres
Kerosene (SKO)	1	1.285	8.08	1 Kilo litre (KL)	6.29 bbl
Aviation Turbine Fuel (ATF)	1	1.288	8.10	1 Million barrels per day	49.8 MMTPA
Light Diesel Oil (LDO)	1	1.172	7.37	<b>Energy conversion</b>	
Furnace Oil (FO)	1	1.0424	6.74	1 Kilocalorie (kcal)	4.187 kJ
Crude Oil	1	1.170	7.33	1 Kilocalorie (kcal)	3.968 Btu
<b>Exclusive Economic Zone</b>				1 Kilowatt-hour (kWh)	860 kcal
200 Nautical Miles	370.4 Kilometers			1 Kilowatt-hour (kWh)	3,412 Btu

Natural gas conversions				
1 Standard Cubic Metre (SCM)	35.31 Cubic Feet		1 MMBTU	25.2 SCM @10000 kcal/SCM
1 Billion Cubic Metres (BCM)/year of Gas	2.74 MMSCMD		GCV (Gross Calorific Value)	10,000 kcal/SCM
1 Trillion Cubic Feet (TCF) of Gas Reserve	3.88 MMSCMD		NCV (Net Calorific Value)	90% of GCV
1 Million Metric Tonne Per Annum (MMTPA) of LNG	3.60 MMSCMD		Gas required for 1 MW power generation	4,541 SCM/day
1 MT of LNG	1,325 SCM		Power generation from 1 MMSCMD of gas	220 MW

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