

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

Abridged Ready Reckoner

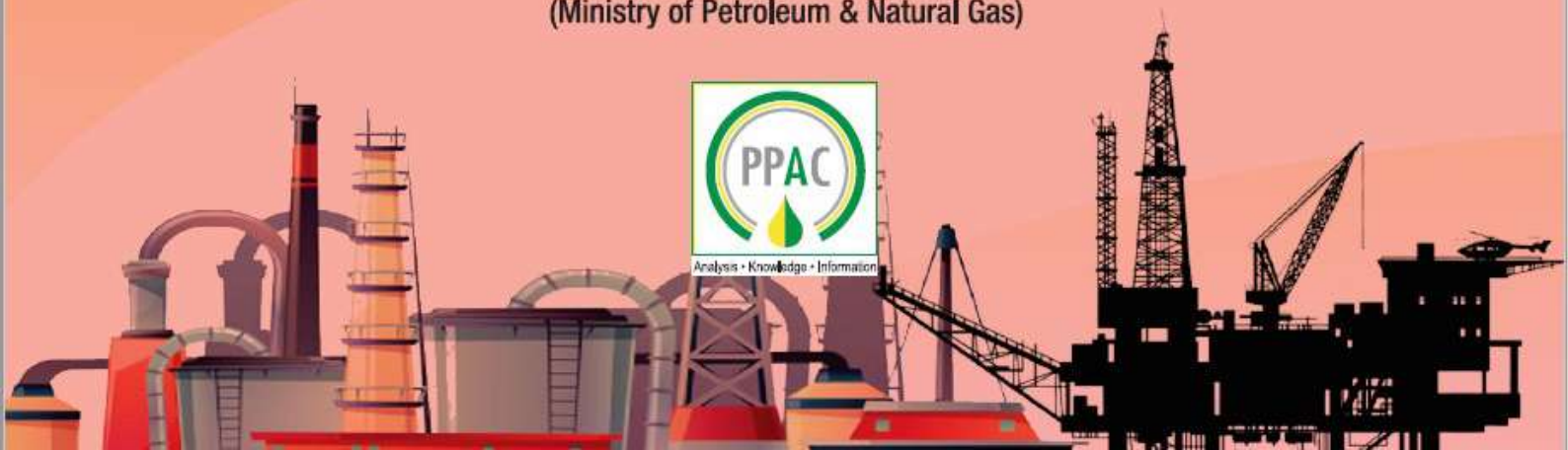
March, 2021

Petroleum Planning & Analysis Cell

(Ministry of Petroleum & Natural Gas)



Analysis • Knowledge • Information



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As on 22.04.2021

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. The number of CNG vehicles is being reconciled & has not been included in this ARR. 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.

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## Highlights for the month

- The consumption of petroleum products in March 2021 with a volume of 18.8 MMT reported a growth of 17.9% of the volume of 15.9 MMT in March 2020. Petroleum products consumption during the period April to March 2021 recovered almost 91% of the consumption during the same period previous year.
- The products which registered a growth in the month of March 2021 were Naphtha 3.7%, MS 27.1%, SKO 1.8%, HSD 27.6%, Light Diesel Oil (LDO) 130.5%, Lubes & Greases 31.4%, FO & LSHS 12%, Bitumen 44.9%, Pet coke 2.1% and products categorised under “Others” category 19.3%.
- Ethanol blending with Petrol was 8.2% during March 2021 and cumulative during December 2020- March 2021 was 7.3%.
- Total consumption of natural gas (including internal consumption) for the month of March 2021 was 5584 MMSCM which was 5.4% higher than the corresponding month of the previous year. The cumulative consumption of 60637 MMSCM for the current year till March, 2021 was lower by 5.5% compared with the corresponding period of the previous year.
- Indigenous crude oil and condensate production during March 2021 was lower by 3.1% than that of March 2020 as compared to a de-growth of 3.2% during February 2021. OIL registered a de-growth of 1.8 % and ONGC registered a de-growth of 3.7 % during March 2021 as compared to March 2020. PSC registered de-growth of 2.3% during March 2021 as compared to March 2020. De-growth of 5.2% was registered in the total crude oil and condensate production during April-March 2021 over the corresponding period of the previous year.
- Crude oil processed during March 2021 was 21.0 MMT, which was 1.0% lower than March 2020 as compared to a de-growth of 11.8% during February 2021. De-growth of 12.8% was registered in the total crude oil processing during April- March 2021 over the corresponding period of the previous year.
- Production of petroleum products saw a de-growth of 0.7% during March 2021 over March 2020 as compared to a de-growth of 10.9% during February 2020. De-growth of 11.2% was registered in the total POL production during April- March 2021 over the corresponding period of the previous year.

•	Gross production of natural gas for the month of March, 2021 was 2684 MMSCM which was higher by 11.1% compared with the corresponding month of the previous year. The cumulative gross production of natural gas of 28671 MMSCM for the current financial year till March, 2021 was lower by 8.1% compared with the corresponding period of the previous year.
•	Crude oil imports decreased by 6% and 12.7% during March 2021 and April-March 2021 respectively as compared to the corresponding period of the previous year.
•	POL products imports decreased by 6.8% and 2% during March 2021 and April-March 2021 respectively as compared to the corresponding period of the previous year. Decrease in POL products imports during April-March 2021 was due to decrease in imports of high-speed diesel (HSD), motor sprit (MS), LOBS/Lube oil, naphtha and aviation turbine fuel (ATF).
•	LNG import for the month of March, 2021(P) was 2972 MMSCM which was 0.1% higher than the corresponding month of the previous year. The cumulative import of 32855 MMSCM for the current year till March, 2021 was lower by 3 % compared with the corresponding period of the previous year.
•	Exports of POL products decreased by 12.1% and 14.9% during March 2021 and April-March 2021 respectively as compared to the corresponding period of the previous year. Decrease in POL products exports during April-March 2021 was due to decrease in exports of all products except petcoke/CBFS and LOBS/Lube oil.
•	The price of Brent Crude averaged \$65.63/bbl during March, 2021 as against \$62.22/bbl during February 2021 and \$31.83/bbl during March 2020. The Indian basket crude price averaged \$64.73/bbl during March 2021 as against \$61.22/bbl during February 2021 and \$33.36 /bbl during March 2020.



# **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	-8.0 2nd AE
3	Agricultural Production (Food grains)	MMT	251.5	275.1	285.0	285.2	297.5	303.3 2nd AE
		Growth %	-0.2	9.4	3.6	0.1	4.3	2.0
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	2018-19	2019-20	March		April-March	
					2019-20	2020-21 (P)	2019-20	2020-21 (P)
5	Index of Industrial Production (Base: 2011-12)	Growth %	3.8	-0.8	5.2*	-3.6* QE	1.0 <sup>#</sup>	-11.3 <sup>#</sup>
6	Imports	\$ Billion	514.1	474.7	31.5	48.4	474.7	389.2
7	Exports	\$ Billion	330.1	313.4	21.5	34.5	313.4	290.6
8	Trade Balance	\$ Billion	-184.0	-161.3	-10.0	-13.9	-161.3	-98.6
9	Foreign Exchange Reserves <sup>@</sup>	\$ Billion	411.9	475.6	475.6	579.3		

IIP is for the month of \*February & #April-February; <sup>@</sup>2018-19-as on March 29, 2019, 2019-20-as on March 27, 2019, March 2020- as on March 27, 2020 and March 2021-as on March 26, 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

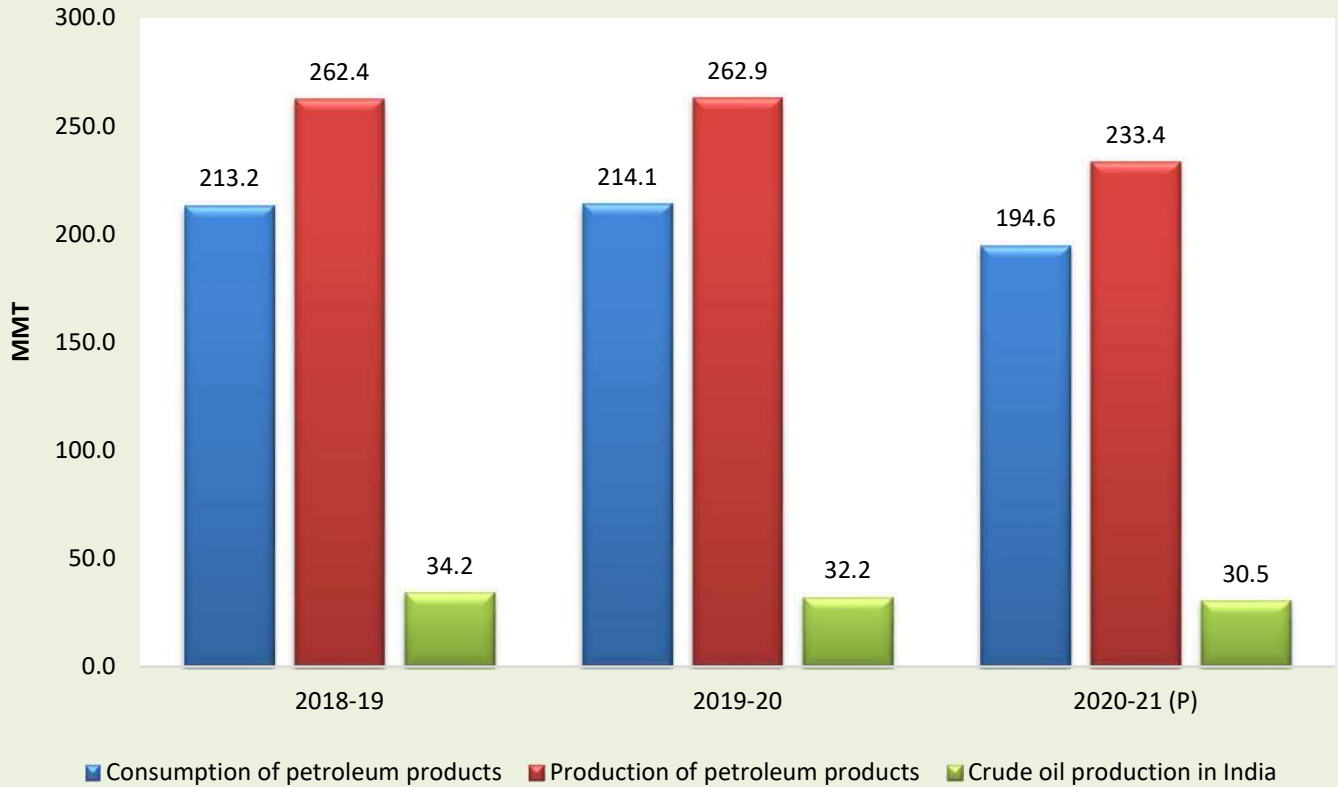


## 2. Crude oil, LNG and petroleum products at a glance

Details		Unit/ Base	2018-19	2019-20	March		April-March	
					2019-20	2020-21 (P)	2019-20	2020-21 (P)
1	Crude oil production in India	MMT	34.2	32.2	2.7	2.6	32.2	30.5
2	Consumption of petroleum products*	MMT	213.2	214.1	15.9	18.8	214.1	194.6
3	Production of petroleum products	MMT	262.4	262.9	22.9	22.8	262.9	233.4
4	Gross natural gas production	MMSCM	32,875	31,184	2,415	2,684	31,184	28,671
5	Natural gas consumption	MMSCM	60,798	64,144	5,297	5,584	64,144	60,637
6	Imports & exports <sup>#</sup> :							
	Crude oil imports	MMT	226.5	227.0	19.5	18.3	227.0	198.2
		\$ Billion	111.9	101.4	5.8	7.6	101.4	61.9
	Petroleum products (POL) imports*	MMT	33.3	43.8	3.8	3.5	43.8	42.9
		\$ Billion	16.3	17.7	1.3	1.4	17.7	13.9
	Gross petroleum imports (Crude + POL)	MMT	259.8	270.7	23.3	21.9	270.7	241.1
		\$ Billion	128.3	119.1	7.1	9.1	119.1	75.8
	Petroleum products (POL) export	MMT	61.1	65.7	5.9	5.2	65.7	55.9
		\$ Billion	38.2	35.8	1.9	2.3	35.8	20.3
	LNG imports*	MMSCM	28,740	33,887	2,970	2,972	33,887	32,855
		\$ Billion	10.3	9.5	0.7	0.8	9.5	7.4
7	Petroleum imports as percentage of India's gross imports (in value terms)	%	24.9	25.1	22.4	18.7	25.1	19.5
8	Petroleum exports as percentage of India's gross exports (in value terms)	%	11.6	11.4	8.9	6.6	11.4	7.0
9	Import dependency of crude (on consumption basis)	%	83.8	85.0	83.0	86.0	85.0	84.5

\*Jul 2020- Mar 2021 DGCIS data prorated, # RIL data Prorated

### Crude Oil & Petroleum Products (MMT)





# ***PART-B***

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

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

Details	2018-19	2019-20	March			April-March		
			2019-20	2020-21 Target*	2020-21 (P)	2019-20	2020-21 Target*	2020-21 (P)
ONGC	19.6	19.2	1.7	1.8	1.6	19.2	20.9	19.1
Oil India Limited (OIL)	3.3	3.1	0.3	0.3	0.2	3.1	3.3	2.9
Private / Joint Ventures (JVs)	9.6	8.2	0.6	0.7	0.6	8.2	8.3	7.1
<b>Total Crude Oil</b>	<b>32.5</b>	<b>30.5</b>	<b>2.6</b>	<b>2.8</b>	<b>2.5</b>	<b>30.5</b>	<b>32.5</b>	<b>29.1</b>
ONGC condensate	1.5	1.4	0.1		0.1	1.4		1.1
PSC condensate	0.2	0.3	0.02		0.03	0.3		0.3
<b>Total condensate</b>	<b>1.7</b>	<b>1.6</b>	<b>0.1</b>		<b>0.1</b>	<b>1.6</b>		<b>1.4</b>
<b>Total (Crude + Condensate) (MMT)</b>	<b>34.2</b>	<b>32.2</b>	<b>2.7</b>	<b>2.8</b>	<b>2.6</b>	<b>32.2</b>	<b>32.5</b>	<b>30.5</b>
Total (Crude + Condensate) (Million Bbl/Day)	0.69	0.64	0.64		0.62	0.64		0.61

\*Provisional targets inclusive of condensate.

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

Details	2018-19	2019-20	March		April-March	
			2019-20	2020-21 (P)	2019-20	2020-21 (P)
Total domestic production (MMTOE)	67.1	63.4	5.1	5.3	63.4	59.2
Overseas production (MMTOE)	24.7	24.5	2.0	1.8	24.5	21.9
<b>Overseas production as percentage of domestic production</b>	<b>36.8%</b>	<b>38.7%</b>	<b>39.7%</b>	<b>34.9%</b>	<b>38.6%</b>	<b>37.0%</b>

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

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

Details		2018-19	2019-20	March		April-March	
				2019-20	2020-21 (P)	2019-20	2020-21 (P)
1	High Sulphur crude	194.2	192.4	16.3	15.4	192.4	161.4
2	Low Sulphur crude	63.0	62.0	4.9	5.6	62.0	60.4
<b>Total crude processed (MMT)</b>		<b>257.2</b>	<b>254.4</b>	<b>21.2</b>	<b>21.0</b>	<b>254.4</b>	<b>221.8</b>
Total crude processed (Million Bbl/Day)		5.17	5.09	5.01	4.96	5.09	4.45
<b>Percentage share of HS crude in total crude oil processing</b>		<b>75.5%</b>	<b>75.6%</b>	<b>76.7%</b>	<b>73.3%</b>	<b>75.6%</b>	<b>72.8%</b>

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

Year	Quantity (MMT)	\$ Million	Rs. Crore
2018-19	226.5	1,11,915	7,83,183
2019-20	227.0	1,01,376	7,17,001
2020-21 (P) <sup>#</sup>	198.2	61,912	4,57,388

# RIL data is prorated

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

Particulars		2018-19	2019-20	March		April-March	
				2019-20	2020-21 (P)	2019-20	2020-21 (P)
1	Indigenous crude oil processing	31.7	29.3	2.5	2.4	29.3	27.9
2	Products from indigenous crude (93.3% of crude oil processed)	29.6	27.3	2.3	2.3	27.3	26.0
3	Products from fractionators (Including LPG and Gas)	4.9	4.8	0.4	0.4	4.8	4.2
4	Total production from indigenous crude & condensate (2 + 3)	34.5	32.1	2.7	2.6	32.1	30.3
5	Total domestic consumption	213.2	214.1	15.9	18.8	214.1	194.6
<b>% Self-sufficiency (4 / 5)</b>		<b>16.2%</b>	<b>15.0%</b>	<b>17.0%</b>	<b>14.0%</b>	<b>15.0%</b>	<b>15.5%</b>

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

Company	Refinery	Installed capacity (1.4.2021) MMTPA	Crude oil processing (MMT)							
			2018-19	2019-20	March			April-March		
					2019-20	2020-21 (Target)	2020-21 (P)	2019-20	2020-21 (Target)	2020-21 (P)
IOCL	Barauni (1964)	6.0	6.7	6.5	0.5	0.6	0.6	6.5	6.4	5.5
	Koyali (1965)	13.7	13.5	13.1	1.2	1.3	0.9	13.1	14.1	11.6
	Haldia (1975)	8.0	8.0	6.5	0.6	0.7	0.7	6.5	8.3	6.8
	Mathura (1982)	8.0	9.7	8.9	0.8	0.9	0.9	8.9	9.6	8.9
	Panipat (1998)	15.0	15.3	15.0	1.2	1.4	1.2	15.0	16.0	13.2
	Guwahati (1962)	1.0	0.9	0.9	0.00	0.08	0.09	0.9	0.9	0.8
	Digboi (1901)	0.65	0.7	0.7	0.06	0.06	0.02	0.7	0.6	0.6
	Bongaigaon(1979)*	2.70	2.5	2.0	0.1	0.2	0.2	2.0	2.6	2.5
	Paradip (2016)	15.0	14.6	15.8	1.3	1.3	1.4	15.8	13.9	12.5
	<b>IOCL-TOTAL</b>	<b>70.1</b>	<b>71.8</b>	<b>69.4</b>	<b>5.7</b>	<b>6.6</b>	<b>5.9</b>	<b>69.4</b>	<b>72.5</b>	<b>62.4</b>
CPCL	Manali (1969)	10.5	10.3	10.2	0.9	0.9	1.0	10.2	9.0	8.2
	CBR (1993)	1.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>CPCL-TOTAL</b>	<b>11.5</b>	<b>10.7</b>	<b>10.2</b>	<b>0.9</b>	<b>0.9</b>	<b>1.0</b>	<b>10.2</b>	<b>9.0</b>	<b>8.2</b>
BPCL	Mumbai (1955)	12.0	14.8	15.0	1.3	0.6	1.4	15.0	14.3	12.9
	Kochi (1966)	15.5	16.1	16.5	1.4	1.4	1.4	16.5	16.2	13.3
BORL	Bina (2011)	7.8	5.7	7.9	0.7	0.7	0.6	7.9	7.8	6.2
NRL	Numaligarh (1999)	3.0	2.9	2.4	0.2	0.2	0.2	2.4	2.7	2.7
	<b>BPCL-TOTAL</b>	<b>38.3</b>	<b>39.4</b>	<b>41.8</b>	<b>3.7</b>	<b>3.0</b>	<b>3.6</b>	<b>41.8</b>	<b>41.0</b>	<b>35.1</b>

\*Full capacity utilization of BGR@2700 TMTPA (higher by + 350 TMTPA) will be possible by May-June'2021 after revamp & commissioning of OIL's Barauni-BGR crude PPL from 2300 to 3000 TMTPA

Company	Refinery	Installed capacity (1.4.2021) (MMTPA)	Crude oil processing (MMT)							
			2018-19	2019-20	March			April-March		
					2019-20	2020-21 (Target)	2020-21 (P)	2019-20	2020-21 (Target)	2020-21 (P)
ONGC	Tatipaka (2001)	0.066	0.066	0.087	0.007	0.006	0.008	0.087	0.064	0.081
MRPL	Mangalore (1996)	15.0	16.2	14.0	1.2	1.4	1.4	14.0	15.4	11.5
	<b>ONGC-TOTAL</b>	<b>15.1</b>	<b>16.3</b>	<b>14.0</b>	<b>1.2</b>	<b>1.4</b>	<b>1.4</b>	<b>14.0</b>	<b>15.5</b>	<b>11.6</b>
HPCL	Mumbai (1954)	7.5	8.7	8.1	0.7	0.9	0.7	8.1	7.2	7.4
	Visakh (1957)	8.3	9.8	9.1	0.8	1.1	0.9	9.1	10.7	9.1
HMEL	Bathinda (2012)	11.3	12.5	12.2	1.0	0.8	1.0	12.2	7.0	10.1
	<b>HPCL- TOTAL</b>	<b>27.1</b>	<b>30.9</b>	<b>29.4</b>	<b>2.5</b>	<b>2.8</b>	<b>2.6</b>	<b>29.4</b>	<b>24.8</b>	<b>26.5</b>
RIL	Jamnagar (DTA) (1999)	33.0	31.8	33.0	3.0	3.0	2.8	33.0	33.0	34.1
	Jamnagar (SEZ) (2008)	35.2	37.4	35.9	2.5	2.5	2.1	35.9	35.9	26.8
NEL	Vadinar (2006)	20.0	18.9	20.6	1.7	1.7	1.6	20.6	20.6	17.1
<b>All India (MMT)</b>		<b>250.2</b>	<b>257.2</b>	<b>254.4</b>	<b>21.2</b>	<b>21.9</b>	<b>21.0</b>	<b>254.4</b>	<b>252.3</b>	<b>221.8</b>
<b>All India (Million Bbl/Day)</b>		<b>5.03</b>	<b>5.17</b>	<b>5.09</b>	<b>5.01</b>		<b>4.96</b>	<b>5.09</b>		<b>4.45</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 01.04.2021)										
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			46.0	19.5	34.7	9.4	<b>111.3</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.

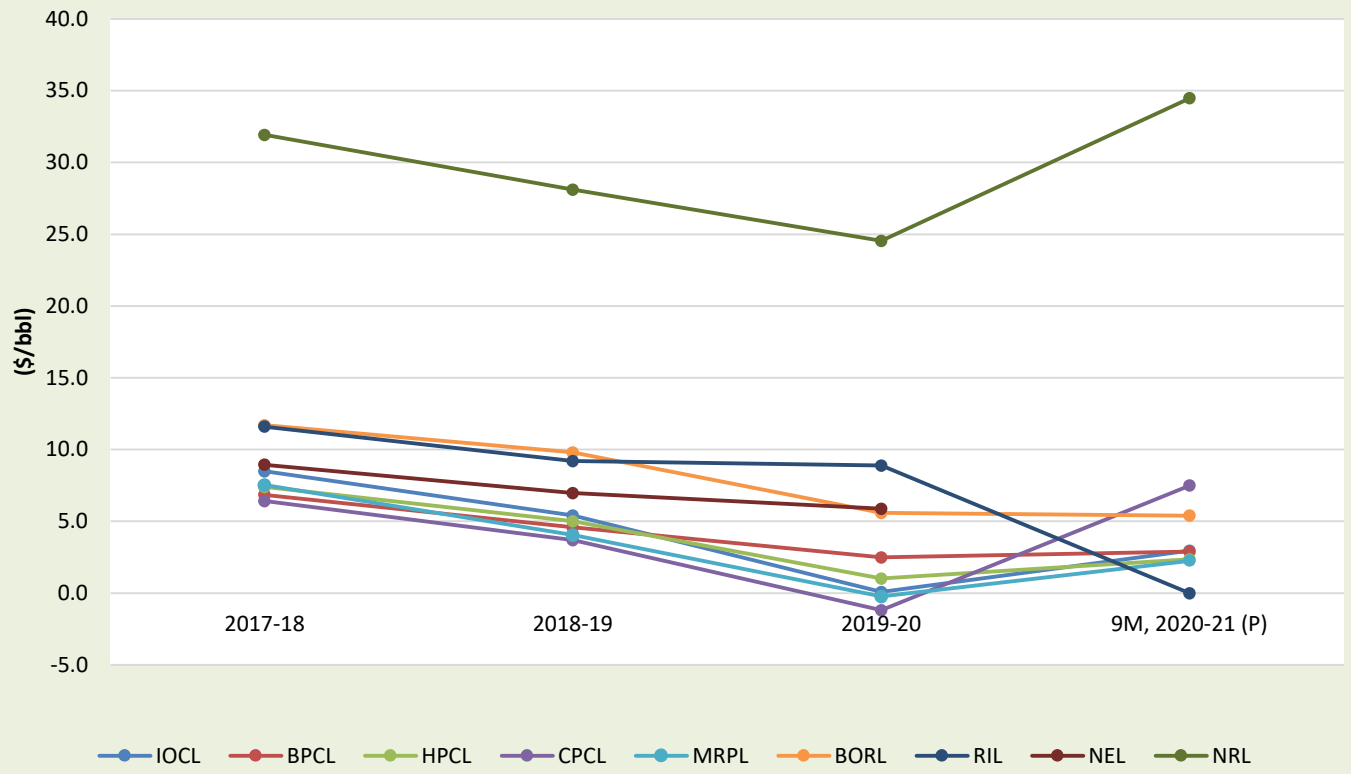


### 10. Gross Refining Margins (GRM) of refineries (\$/bbl)

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	*

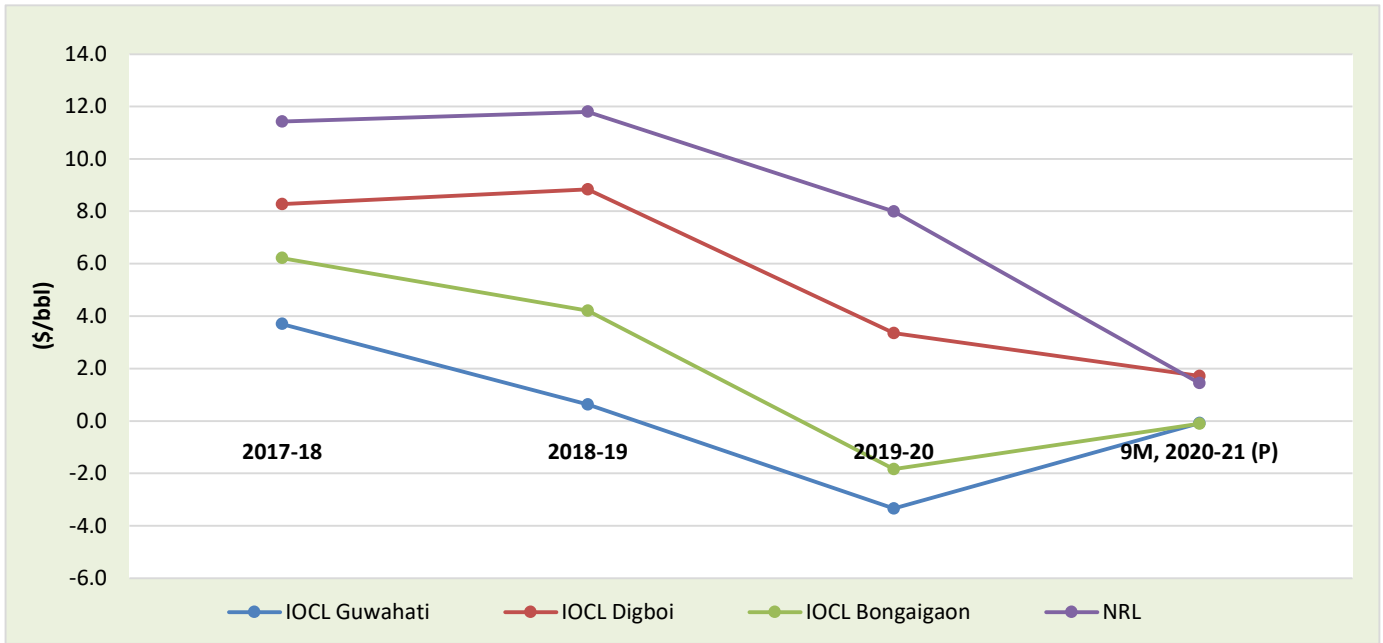
\*Not available; \*\* GRM of North Eastern refineries are including excise duty benefit. For GRM excluding excise duty benefit, refer table 11; HMEI data not available; @Nayara Energy Limited ( formerly Essar Oil Limited)

## 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***

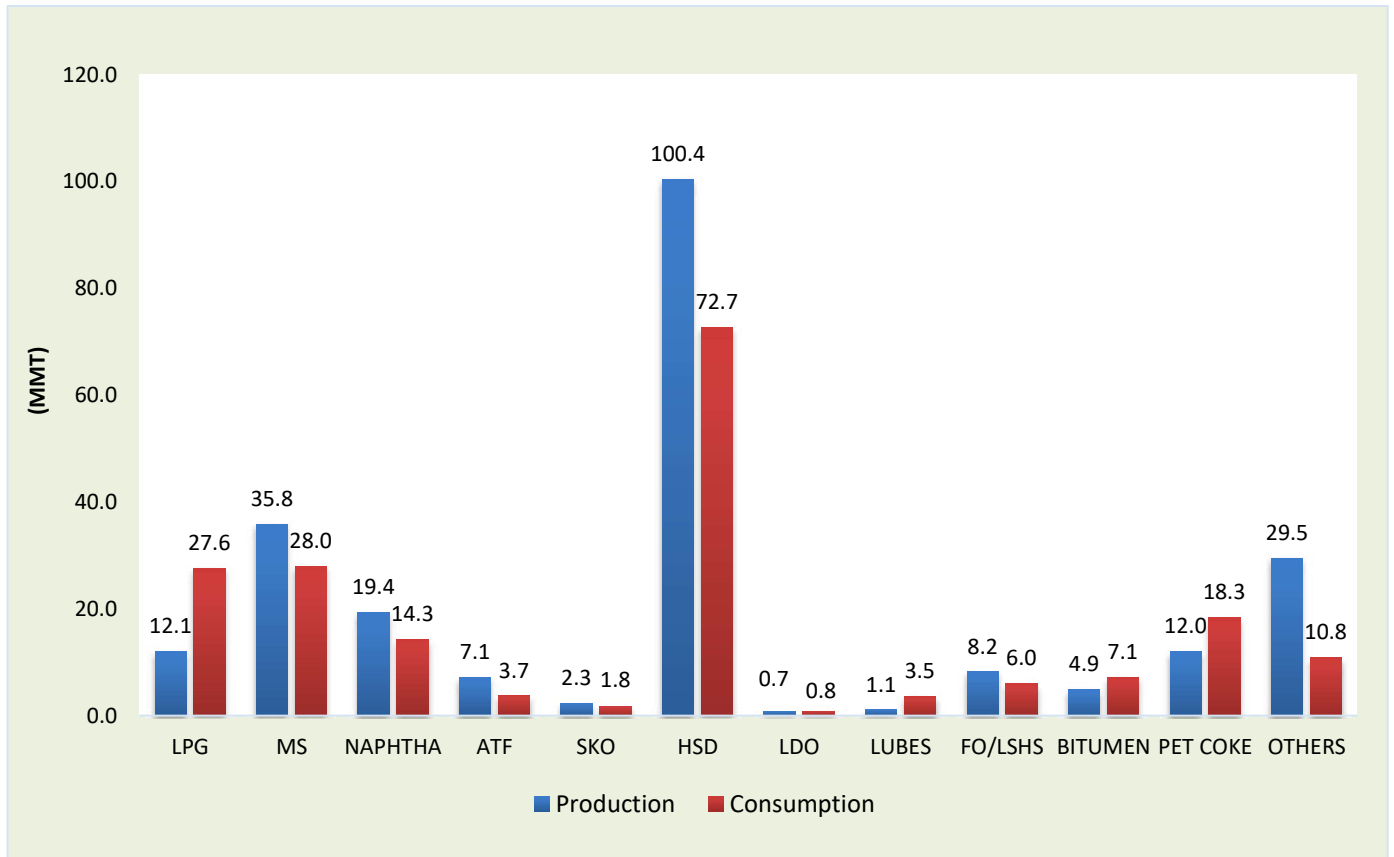
***Consumption***

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

Products	2018-19		March 2020		March 2021 (P)		2019-20		2020-21 (P)	
	Prod	Cons	Prod	Cons	Prod	Cons	Prod	Cons	Prod	Cons
LPG	12.8	24.9	1.2	2.3	1.1	2.3	12.8	26.3	12.1	27.6
MS	38.0	28.3	3.3	2.2	3.6	2.7	38.6	30.0	35.8	28.0
NAPHTHA	19.6	14.1	1.9	1.3	1.9	1.4	20.6	14.3	19.4	14.3
ATF	15.5	8.3	1.1	0.5	0.9	0.5	15.2	8.0	7.1	3.7
SKO	4.1	3.5	0.3	0.2	0.2	0.2	3.2	2.4	2.3	1.8
HSD	110.6	83.5	9.7	5.7	9.6	7.2	111.1	82.6	100.4	72.7
LDO	0.7	0.6	0.04	0.05	0.08	0.11	0.6	0.6	0.7	0.8
LUBES	0.9	3.7	0.1	0.3	0.1	0.4	0.9	3.8	1.1	3.5
FO/LSHS	10.0	6.6	0.7	0.5	0.6	0.5	9.3	6.3	8.2	6.0
BITUMEN	5.6	6.7	0.5	0.6	0.7	0.9	4.9	6.7	4.9	7.1
PET COKE	13.7	21.3	1.3	1.6	1.1	1.6	14.6	21.7	12.0	18.3
OTHERS	31.0	11.7	2.7	0.9	2.9	1.0	31.0	11.4	29.5	10.8
<b>ALL INDIA</b>	<b>262.4</b>	<b>213.2</b>	<b>22.9</b>	<b>15.9</b>	<b>22.8</b>	<b>18.8</b>	<b>262.9</b>	<b>214.1</b>	<b>233.4</b>	<b>194.6</b>
<b>Growth (%)</b>	<b>3.2%</b>	<b>3.4%</b>	<b>-0.5%</b>	<b>-18.6%</b>	<b>-0.7%</b>	<b>17.9%</b>	<b>0.2%</b>	<b>0.4%</b>	<b>-11.2%</b>	<b>-9.1%</b>

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

## Petroleum Products: April-March 2020-21 (P) (MMT)



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

Product	2017-18		2018-19		2019-20		2020-21 (P)	
	Allocation	Upliftment	Allocation	Upliftment	Allocation	Upliftment	Allocation	Upliftment
PDS Kerosene	50,21,828	46,69,160	44,32,994	41,52,112	31,21,328	27,93,217	23,15,008	20,38,790

### 14. Ethanol blending programme

Particulars	Ethanol Supply Year *				
	2017-18	2018-19	2019-20	2020-21 (P)	
				Mar-21	Dec'20-Mar'21
Ethanol received by PSU OMCs under EBP Program (in Cr. Litrs)	150.5	188.6	173.0	30.6	105.3
Average Percentage of Blending Sales (EBP%)	4.2%	5.0%	5.0%	8.2%	7.3%

\*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 01.04.2021) (Provisional)

Particulars	IOCL	BPCL	HPCL	RIL/RBML*	NEL	SHELL	Others	Total
POL Terminal/ Depots (Nos.) <sup>§</sup>	118	79	80	18	3	-	6	304
Aviation Fuel Stations (Nos.) <sup>@</sup>	121	61	46	31	-	-	1	260
Retail Outlets (total) (Nos.) <sup>^</sup>	32,062	18,637	18,634	1,420	6,059	264	18	77,094
out of which Rural ROs	9,915	4,258	4,543	127	1,998	56	3	20,900
SKO/LDO agencies (Nos.)	3,871	930	1,638	-	-	-	-	6,439
LPG Distributors (total) (Nos.) (PSUs only)	12,726	6,165	6,192	-	-	-	-	25,083
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	7.4	7.9	-	-	-	-	28.9

<sup>§</sup>(Others=4 MRPL & 2 NRL); <sup>@</sup>(Others=ShellMRPL -1); <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	2018-19	2019-20	March			April-March		
			2019-20	2020-21 (P)	Gr (%)	2019-20	2020-21 (P)	Gr (%)
<b>1. PSU Sales :</b>								
LPG-Packed Domestic	21,728.0	23,076.0	2,093.0	1,993.0	-4.8	23,076.0	25,117.1	8.8
LPG-Packed Non-Domestic	2,364.4	2,614.4	166.7	202.6	21.5	2,614.4	1,884.9	-27.9
LPG-Bulk	318.1	263.5	15.7	40.0	154.9	263.5	355.5	34.9
Auto LPG	180.3	171.9	9.9	12.4	25.4	171.9	118.3	-31.2
<b>Sub-Total (PSU Sales)</b>	<b>24,590.8</b>	<b>26,125.7</b>	<b>2,285.2</b>	<b>2,248.0</b>	<b>-1.6</b>	<b>26,125.7</b>	<b>27,475.7</b>	<b>5.2</b>
<b>2. Direct Private Imports*</b>	316.0	204.0	8.2	11.9	44.4	204.0	114.8	-43.8
<b>Total (1+2)</b>	<b>24,906.8</b>	<b>26,329.8</b>	<b>2,293.5</b>	<b>2,259.9</b>	<b>-1.5</b>	<b>26,329.8</b>	<b>27,590.5</b>	<b>4.8</b>

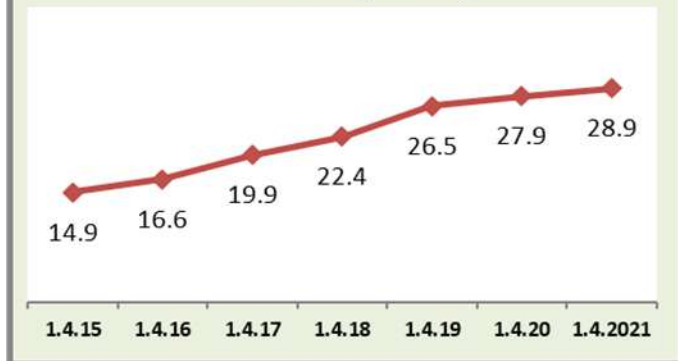
\*Jul 2020-Mar 2021 DGCI data are prorated.

17. LPG marketing at a glance														
Particulars (As on 1st of April)	Unit	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1.4.2021 (P)
LPG Active Domestic Customers	(Lakh)							1486	1663	1988	2243	2654	2787	2895
	Growth								11.9%	19.6%	12.8%	18.3%	5.0%	3.9%
LPG Coverage (Estimated)	(Percent)							56.2	61.9	72.8	80.9	94.3	97.5	99.8
	Growth								10.1%	17.6%	11.1%	16.5%	3.4%	2.3%
PMUY Beneficiaries	(Lakh)									200	356	719	802	800.4
	Growth										77.7%	101.9%	11.5%	-0.2%
LPG Distributors	(No.)	9366	9686	10541	11489	12610	13896	15930	17916	18786	20146	23737	24670	25083
	Growth	0.0%	3.4%	8.8%	9.0%	9.8%	10.2%	14.6%	12.5%	4.9%	7.2%	17.8%	3.9%	1.7%
Auto LPG Dispensing Stations	(No.)	447	536	604	652	667	678	681	676	675	672	661	657	651
	Growth	36.7%	19.9%	12.7%	7.9%	2.3%	1.6%	0.4%	-0.7%	-0.1%	-0.4%	-1.6%	-0.6%	-0.9%
Bottling Plants	(No.)	182	182	183	184	185	187	187	188	189	190	192	196	200
	Growth	0.6%	0.0%	0.5%	0.5%	0.5%	1.1%	0.0%	0.5%	0.5%	0.5%	1.1%	2.1%	2.0%

Source: PSU OMCs (IOCL, BPCL and HPCL)

1. 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.

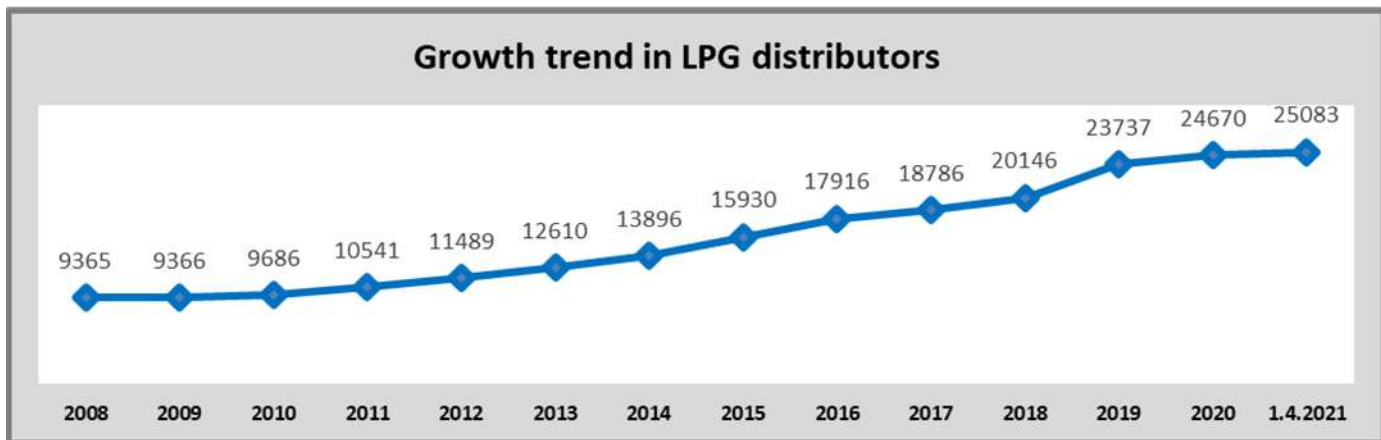
**Growth trend in active LPG domestic customers (In Crore)**



**Growth trend in LPG coverage**



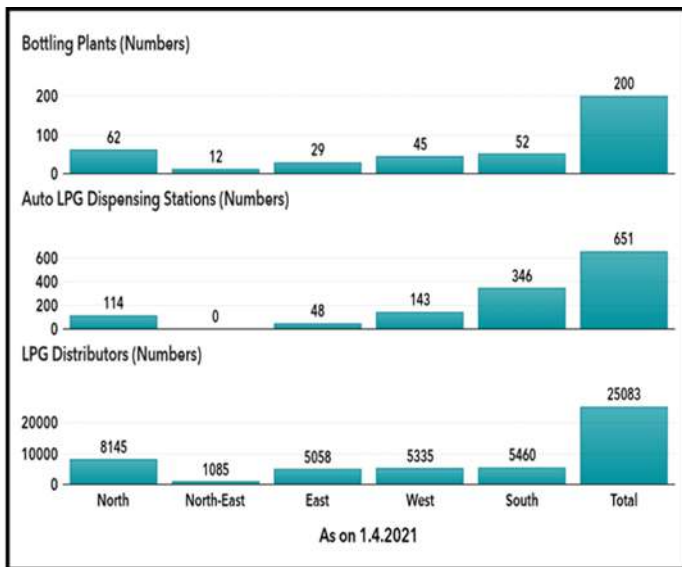
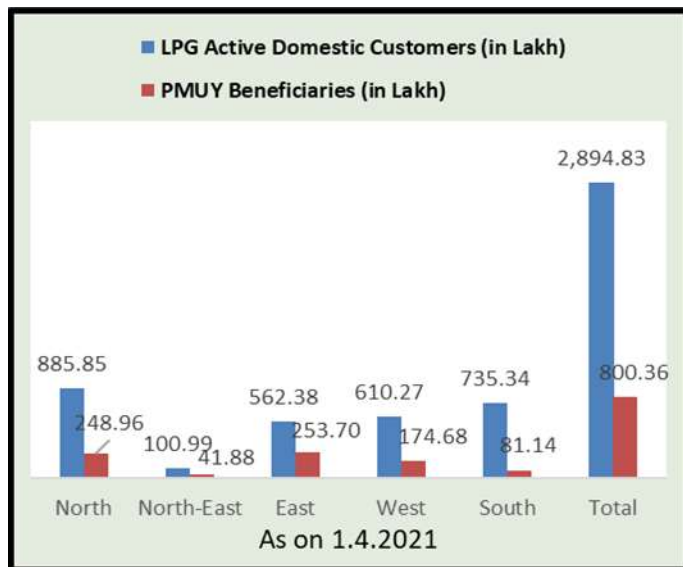
**Growth trend in LPG distributors**



### 18-Region-wise data on LPG marketing (As on 01.04.2021)

Particulars	North	North-East	East	West	South	Total
LPG Active Domestic Customers (in Lakh)	885.8	101.0	562.4	610.3	735.3	2894.8
LPG Coverage (Estimated)	114.1%	93.1%	86.1%	90.1%	107.3%	99.8%
PMUY Beneficiaries (in Lakh)	249.0	41.9	253.7	174.7	81.1	800.4
LPG Distributors (Numbers)	8145	1085	5058	5335	5460	25083
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***

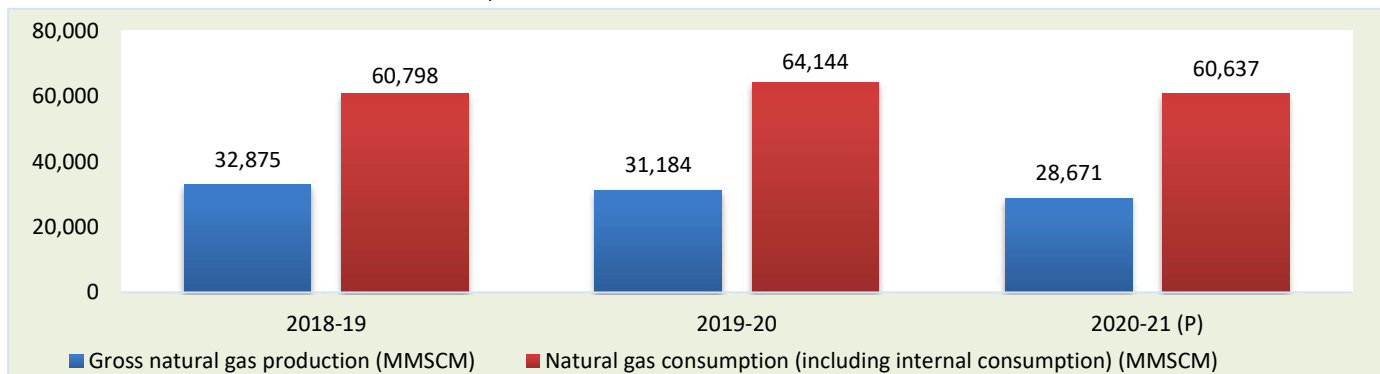
*Natural Gas*

## 19. Natural gas at a glance

(MMSCM)

Details	2018-19	2019-20	March			April-March		
			2019-20	2020-21 (Target)	2020-21 (P)	2019-20	2020-21 (Target)	2020-21 (P)
(a) Gross production	32,875	31,184	2,415	3,162	2,684	31,184	33,572	28,671
- ONGC	24,677	23,746	1,906	2,050	1,832	23,746	23,983	21,872
- Oil India Limited (OIL)	2,722	2,668	212	261	210	2,668	2,762	2,480
- Private / Joint Ventures (JVs)	5,477	4,770	298	850	642	4,770	6,827	4,319
(b) Net production (excluding flare gas and loss)	32,058	30,257	2,327		2,612	30,257		27,783
(c) LNG import <sup>#</sup>	28,740	33,887	2,970		2,972	33,887		32,855
(d) Total consumption including internal consumption (b+c)	60,798	64,144	5,297		5,584	64,144		60,637
(e) Total consumption (in BCM)	60.8	64.1	5.3		5.6	64.1		60.6
(f) Import dependency based on consumption (%), {c/d*100}	47.3	52.8	56.1		53.2	52.8		54.2

#Jul 2020-Mar 2021 DGCS data and RIL March 21 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)		32,760	Sq. KM
Total available coal bearing areas with MoPNG/DGH		21,659	Sq. KM
Area awarded		16,613	Sq. KM
Blocks awarded		33	Nos.
Exploration initiated (Area considered if any boreholes were drilled in the		10,517	Sq. KM
Production of CBM gas	April-March 2020-21 (P)	642.39	MMSCM
Production of CBM gas	March 2021 (P)	57.13	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#	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 01.04.2021	% Capacity utilisation (Apr-Feb 2020-21)
Dahej	Petronet LNG Ltd (PLL)	17.5 MMTPA	94.0
Hazira	Shell Energy India Pvt. Ltd.	5 MMTPA	79.0
Dabhol	Konkan LNG Limited	*5 MMTPA	70.8
Kochi	Petronet LNG Ltd (PLL)	5 MMTPA	17.3
Ennore	Indian Oil LNG Pvt Ltd	5 MMTPA	12.0
Mundra	GSPC LNG Limited	5 MMTPA	35.6
<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 28.02.2021 (P)**

State/Union Territory	Geographical Area/CGD Networks	Authorized CGD Entity	CNG stations	PNG connections		
				Domestic	Commercial	Industrial
Andhra Pradesh	Kakinada	Bhagyanagar Gas Limited	10	56,442	123	2
	East Godavari District (EAAA)	Godavari Gas Private Limited	15	44,547	5	0
	West Godavari District	Godavari Gas Private Limited	13	43,021	12	1
	Vijaywada	Bhagyanagar Gas Limited	23	40,531	39	0
	Krishna District (EAAA)	Megha Engineering & Infrastructure Limited	15	10,003	83	15
<b>Andhra Pradesh Total</b>			<b>76</b>	<b>194,544</b>	<b>262</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	Upper Assam	Assam Gas Company Limited	1	36,183	1,173	404
	Cachar, Hailakandi & Karimganj Districts	Purba Bharati Gas Private Limited	0	216	0	0
<b>Assam Total</b>			<b>1</b>	<b>36,399</b>	<b>1,173</b>	<b>404</b>
Bihar	Patna District	GAIL (India) Limited	8	27,473	10	0
	Aurangabad, Kaimur & Rohtas Districts	Indian Oil Corporation Limited	1	0	0	0
	Begusarai District	Think Gas Begusarai Private Limited	1	0	0	0
<b>Bihar Total</b>			<b>10</b>	<b>27,473</b>	<b>10</b>	<b>0</b>
Chandigarh (UT), Haryana, Punjab & Himachal Pradesh	Chandigarh	Indian-Oil Adani Gas Private Limited	16	111,620	37	10
<b>Chandigarh (UT), Haryana, Punjab &amp; Himachal Pradesh Total</b>			<b>16</b>	<b>111,620</b>	<b>37</b>	<b>10</b>
Dadra & Nagar Haveli (UT)	UT of Dadra & Nagar Haveli	Gujarat Gas Limited	7	6,678	53	52
<b>Dadra &amp; Nagar Haveli (UT) Total</b>			<b>7</b>	<b>6,678</b>	<b>53</b>	<b>52</b>
Daman & Diu (UT)	UT of Daman	Indian-Oil Adani Gas Private Limited	4	4,790	30	27
<b>Daman &amp; Diu (UT) Total</b>			<b>4</b>	<b>4,790</b>	<b>30</b>	<b>27</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	4	5,228	2	7
	South Goa District	Indian-Oil Adani Gas Private Limited	2	0	0	0
<b>Goa Total</b>			<b>6</b>	<b>5,228</b>	<b>2</b>	<b>7</b>
Gujarat	Surat, Bharuch, Ankleshwar	Gujarat Gas Limited	107	684,780	9,130	1,004
	Ahmedabad City and Daskrol Area	Adani Gas Limited	68	412,939	2,879	849
	Rajkot	Gujarat Gas Limited	72	255,308	1,438	1,002
	Gandhinagar Mehsana Sabarkantha	Sabarmati Gas Limited	107	205,434	891	354
	Vadodara	Vadodara Gas Limited	20	173,682	2,626	6
	Gandhinagar	Gujarat Gas Limited	14	126,807	536	28
	Valsad	Gujarat Gas Limited	25	109,757	361	685
	Navsari	Gujarat Gas Limited	23	105,072	254	52
	Nadiad	Gujarat Gas Limited	31	64,501	388	20
	Anand District (EAAA)	Gujarat Gas Limited	27	37,522	242	17
	Hazira	Gujarat Gas Limited	1	36,244	127	17
	Bhavnagar	Gujarat Gas Limited	23	35,941	288	64
	Anand area including Kanjari & Vadtal Villages (in Kheda District)	Charotar Gas Sahakari Mandali Limited	6	34,295	671	140
	Surendranagar	Gujarat Gas Limited	18	25,248	233	362
	Banaskantha District	IRM Energy Private Limited	29	25,160	101	10
	Jamnagar	Gujarat Gas Limited	18	22,360	163	99
	Panchmahal District	Gujarat Gas Limited	25	16,193	90	84
	Patan District	Sabarmati Gas Limited	21	12,756	25	6
	Amreli District	Gujarat Gas Limited	13	5,095	25	1
	Dahod District	Gujarat Gas Limited	10	2,948	9	20

State/Union Territory	Geographical Area/CGD Networks	Authorized CGD Entity	CNG stations	PNG connections		
				Domestic	Commercial	Industrial
	Kutch (West)	Gujarat Gas Limited	12	1,615	23	2
	Dahej Vagra Taluka	Gujarat Gas Limited	4	1,102	11	30
	Vadodara	Adani Gas Limited	6	616	1	88
	Ahmedabad City (Only for CNG)	Hindustan Petroleum Corporation Limited	22	-	-	-
	Kheda District (EAAA) & Mahisagar District	Adani Gas Limited	13	0	0	0
	Junagadh District	Torrent Gas Private Limited	11	0	0	0
	Ahmedabad District (EAAA)	Gujarat Gas Limited	8	0	0	0
	Surendranagar District (EAAA) & Morbi District (EAAA)	Adani Gas Limited	6	0	0	0
	Navsari District (EAAA), Surat District (EAAA), Tapi District (EAAA) & the Dangas District	Adani Gas Limited	5	0	0	0
	Porbandar District	Adani Gas Limited	4	0	0	0
	Barwala & Ranpur Talukas	Adani Gas Limited	3	0	0	0
	Narmada (Rajpipla) District	Gujarat Gas Limited	3	0	0	0
	<b>Gujarat Total</b>			<b>755</b>	<b>2,395,375</b>	<b>20,512</b>
Haryana	Faridabad	Adani Gas Limited	21	60,826	193	374
	Sonapat	GAIL Gas Limited	16	25,104	41	167
	Gurugram	Haryana City Gas Distribution Limited	29	22,595	143	163
	Panipat District	Indian-Oil Adani Gas Private Limited	11	16,939	10	25
	Rewari District	Indraprastha Gas Limited	13	10,415	18	68
	Karnal District	Indraprastha Gas Limited	9	9,721	3	7
	Kaithal District	Indraprastha Gas Limited	5	9,586	0	0
	Yamunanagar District	Bharat Petroleum Corporation Limited	4	6,143	0	0
	Ambala & Kurukshetra Districts	HPOIL Gas Private Limited	6	5,943	0	0
	Nuh and Palwal Districts	Adani Gas Limited	11	1,476	4	35
	Rohtak District	Bharat Petroleum Corporation Limited	3	1,178	0	0
	Jhajjar District	Haryana City Gas (KCE) Private Limited	3	24	0	0
	Bhiwani, Charkhi Dadri & Mahendragarh Districts	Adani Gas Limited	11	0	0	0
	Sonapat District (EAAA) & Jind District	Hindustan Petroleum Corporation Limited	7	0	0	0
	Hisar District	HCG (KCE) Private Limited	2	0	0	0
Gurugram	Indraprastha Gas Limited	11	14,895	66	15	
<b>Haryana Total</b>			<b>162</b>	<b>184,845</b>	<b>478</b>	<b>854</b>
Haryana & Himachal Pradesh	Panchkula District (EAAA), Sirmaur, Shimla & Solan (EAAA) Districts	Indian-Oil Adani Gas Private Limited	3	0	0	0
<b>Haryana &amp; Himachal Pradesh Total</b>			<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>
Haryana & Punjab	Sirsa, Fatehabad and Mansa (Punjab) Districts	Gujarat Gas Limited	6	0	0	0
<b>Haryana &amp; Punjab Total</b>			<b>6</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	Ranchi District	GAIL (India) Limited	4	15,697	0	0
	East Singhbhum District	GAIL (India) Limited	4	12,655	0	0
	Giridih & Dhanbad Districts	GAIL Gas Limited	2	4,909	0	0
	Seraikela-Kharsawan District	GAIL Gas Limited	0	1,320	0	0
	Bokaro, Hazaribagh & Ramgarh Districts	Indian Oil Corporation Limited	5	0	0	0
<b>Jharkhand Total</b>			<b>15</b>	<b>34,581</b>	<b>0</b>	<b>0</b>
Karnataka	Bengaluru Rural and Urban Districts	GAIL Gas Limited	31	187,328	215	130
	Tumkur District	Megha Engineering & Infrastructure Limited	0	15,430	91	34
	Belgaum District	Megha Engineering & Infrastructure Limited	2	12,566	57	21
	Dharwad District	Indian-Oil Adani Gas Private Limited	5	11,681	5	0
	Dakshina Kannada District*	GAIL Gas Limited	7	6,180	0	0
	Ramanagara District	Maharashtra Natural Gas Limited	6	817	0	1



State/Union Territory	Geographical Area/CGD Networks	Authorized CGD Entity	CNG stations	PNG connections		
				Domestic	Commercial	Industrial
	Ballari & Gadag Districts	Bharat Gas Resources Limited	4	0	0	0
	Chitradurga & Davanagere Districts	Unison Enviro Private Limited	2	0	0	0
	Mysuru, Mandya and Chamarajanagar Districts	AGP City Gas Private Limited	2	0	0	0
	Bidar District	Bharat Gas Resources Limited	1	0	0	0
<b>Karnataka Total</b>			<b>60</b>	<b>234,002</b>	<b>368</b>	<b>186</b>
Kerala	Ernakulam District	Indian-Oil Adani Gas Private Limited	9	42,424	11	8
	Palakkad & Thrissur Districts	Indian-Oil Adani Gas Private Limited	6	0	0	0
	Alapuzha, Kollam and Thiruvananthapuram Districts	AGP City Gas Private Limited	2	0	0	2
<b>Kerala Total</b>			<b>17</b>	<b>42,424</b>	<b>11</b>	<b>10</b>
Madhya Pradesh	Indore (including Ujjain City)	Aavantika Gas Limited	39	62,873	94	236
	Gwalior	Aavantika Gas Limited	15	24,277	44	8
	Dewas	GAIL Gas Limited	3	13,012	28	40
	Satna & Shandol Districts	Bharat Gas Resources Limited	2	1,580	0	0
	Rewa District	Indian Oil Corporation Limited	3	810	0	0
	Dhar District	Naveriya Gas Private Limited	2	566	14	0
	Guna District	Indian Oil Corporation Limited	1	506	0	0
	Bhopal & Rajgarh Districts	Think Gas Bhopal Private Limited	16	0	0	0
	Ujjain (EAAA) District, Dewas (EAAA) District and Indore (EAAA) District	Gujarat Gas Limited	5	0	0	0
	Gwalior (EAAA) District and Sheopur District	Rajasthan State Gas Limited	2	0	0	0
	Raisen, Shajapur and Sehore Districts	GAIL Gas Limited	2	0	0	0
<b>Madhya Pradesh Total</b>			<b>90</b>	<b>103,624</b>	<b>180</b>	<b>284</b>
Madhya Pradesh and Rajasthan	Jhabua, Banswara, Ratlam and Dungarpur Districts	Gujarat Gas Limited	6	0	0	0
<b>Madhya Pradesh and Rajasthan Total</b>			<b>6</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	4	0	0	0
<b>Madhya Pradesh and Uttar Pradesh Total</b>			<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>
Maharashtra	Mumbai & Greater Mumbai	Mahanagar Gas Limited	141	928,518	3,142	15
	Thane urban and adjoining Municipalities	Mahanagar Gas Limited	108	612,119	919	61
	Pune City including Pimpri - Chichwad & adjoining contigeneous areas Hinjewadi, Chakan, Talegaon	Maharashtra Natural Gas Limited	85	340,864	372	223
	Raigarh District (EAAA)	Mahanagar Gas Limited	18	39,937	0	1
	Kolhapur District	HPOIL Gas Private Limited	4	1,961	0	0
	Sindhudurg District	Maharashtra Natural Gas Limited	5	1,267	0	0
	Pune District (EAAA)	Torrent Gas Pune Limited	22	1,147	0	4
	Ratnagiri District	Unison Enviro Private Limited	15	1,126	1	27
	Palghar District & Thane Rural	Gujarat Gas Limited	17	368	14	49
	Sangli & Satara Districts	Bharat Gas Resources Limited	7	304	0	0
	Ahmednagar & Aurangabad Districts	Bharat Gas Resources Limited	9	0	0	0
	Latur & Osmanabad Districts	Unison Enviro Private Limited	3	0	0	0
	<b>Maharashtra Total</b>			<b>434</b>	<b>1,927,611</b>	<b>4,448</b>
Maharashtra & Gujarat	Valsad (EAAA), Dhule & Nashik Districts	Maharashtra Natural Gas Limited	23	20,438	0	0
<b>Maharashtra &amp; Gujarat Total</b>			<b>23</b>	<b>20,438</b>	<b>0</b>	<b>0</b>
National Capital Territory of Delhi (UT)	National Capital Territory of Delhi	Indraprastha Gas Limited	426	1,039,701	2,576	1,562
<b>National Capital Territory of Delhi (UT) Total</b>			<b>426</b>	<b>1,039,701</b>	<b>2,576</b>	<b>1,562</b>
Odisha	Khordha District	GAIL (India) Limited	10	14,924	0	0
	Cuttack District	GAIL (India) Limited	6	7,022	0	0
	Ganjam, Nayagarh & Puri Districts	GAIL Gas Limited	2	315	0	0
	Sundargarh & Jharsuguda Districts	GAIL Gas Limited	2	273	0	0

State/Union Territory	Geographical Area/CGD Networks	Authorized CGD Entity	CNG stations	PNG connections		
				Domestic	Commercial	Industrial
<b>Odisha Total</b>			<b>20</b>	<b>22,534</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	Rupnagar District	Bharat Petroleum Corporation Limited	6	4,950	0	0
	Amritsar District	Gujarat Gas Limited	14	3,249	36	3
	Fatehgarh Sahib District	IRM Energy Private Limited	7	1,385	18	39
	Bhatinda District	Gujarat Gas Limited	4	699	0	0
	Ludhiana District (EAAA), Barnala & Moga Districts	Think Gas Ludhiana Private Limited	11	70	0	0
	SAS Nagar District (EAAA), Patiala & Sangrur Districts	Torrent Gas Private Limited	14	0	0	0
	Jalandhar District (EAAA), Kapurthala & SBS Nagar Districts	Think Gas Ludhiana Private Limited	10	0	0	0
	Hoshiarpur and Gurdaspur Districts	Gujarat Gas Limited	9	0	0	0
	Jalandhar	Jay Madhok Energy Private Limited led Consortium	3	0	0	0
	Ludhiana	Jay Madhok Energy Private Limited led Consortium	3	0	0	0
Ferozepur, Faridkot and Sri Muktsar Sahib Districts	Gujarat Gas Limited	1	0	0	0	
<b>Punjab Total</b>			<b>82</b>	<b>10,353</b>	<b>54</b>	<b>42</b>
Rajasthan	Ajmer, Pali and Rajsamand Districts	Indraprastha Gas Limited	4	29,012	0	0
	Kota	Rajasthan State Gas Limited	7	15,674	17	15
	Bhiwadi (in Alwar District)	Haryana City Gas Distribution (Bhiwadi) Limited	1	2,002	0	51
	Barmer, Jaisalmer & Jodhpur Districts	AGP CGD India Private Limited	5	8	1	2
	Kota District (EAAA), Baran & Chittorgarh (Only Rawatbhata Taluka) Districts	Torrent Gas Private Limited	11	0	0	0
	Chittorgarh (Other than Rawatbhata Taluka) & Udaipur Districts*	Adani Gas Limited	10	0	0	0
	Jalore and Sirohi Districts	Gujarat Gas Limited	6	0	0	0
	Bhilwara & Bundi Districts	Adani Gas Limited	4	0	0	0
	Dholpur District	Dholpur CGD Private Limited	4	0	0	0
	CNG (DBS) NOC	Rajasthan State Gas Limited	2	0	0	0
<b>Rajasthan Total</b>			<b>54</b>	<b>46,696</b>	<b>18</b>	<b>68</b>
Tamil Nadu	Tiruppur District	Adani Gas Limited	3	0	0	0
	Cuddalore, Nagapattinam & Tiruvarur Districts	Adani Gas Limited	2	0	0	0
	Ramanathapuram District	AGP CGD India Private Limited	2	0	0	0
<b>Tamil Nadu Total</b>			<b>7</b>	<b>0</b>	<b>0</b>	<b>0</b>
Telangana	Hyderabad	Bhagyanagar Gas Limited	62	129,850	18	43
	Medak, Siddipet & Sangareddy Districts	Torrent Gas Private Limited	12	0	0	0
<b>Telangana Total</b>			<b>74</b>	<b>129,850</b>	<b>18</b>	<b>43</b>
Tripura	Agartala	Tripura Natural Gas Company Limited	5	42,414	491	62
	West Tripura (EAAA) District	Tripura Natural Gas Company Limited	3	6,246	0	0
	Gomati District	Tripura Natural Gas Company Limited	3	0	0	0
<b>Tripura Total</b>			<b>11</b>	<b>48,660</b>	<b>491</b>	<b>62</b>
	Gautam Budh Nagar District	Indraprastha Gas Limited	50	252,014	600	878
	Ghaziabad & Hapur Districts	Indraprastha Gas Limited	54	239,691	294	380
	Kanpur	Central UP Gas Limited	30	78,082	232	79
	Agra	Green Gas Limited	24	76,677	61	17
	Lucknow	Green Gas Limited	37	64,747	57	11
	Meerut	GAIL Gas Limited	17	48,821	41	59
	Allahabad	Indian-Oil Adani Gas Private Limited	6	36,065	27	5
	Varanasi District	GAIL (India) Limited	10	33,288	30	1
	Bareilly	Central UP Gas Limited	16	30,741	125	23
	Meerut District (EAAA), Muzaffarnagar & Shamli Districts	Indraprastha Gas Limited	10	16,368	3	0
	Kanpur (EAAA) District, Fatehpur and Hamirpur Districts	Indraprastha Gas Limited	6	12,376	0	0

State/Union Territory	Geographical Area/CGD Networks	Authorized CGD Entity	CNG stations	PNG connections		
				Domestic	Commercial	Industrial
Uttar Pradesh	Moradabad	Torrent Gas Moradabad Limited	5	9,242	13	80
	Saharanpur District	Bharat Petroleum Corporation Limited	5	8,775	0	0
	Khurja	Adani Gas Limited	5	6,371	5	232
	Mathura	Sanwariya Gas Limited	11	4,589	39	78
	Amethi, Pratapgarh & Raebareilly Districts	Bharat Gas Resources Limited	4	1,824	0	0
	Moradabad (EAAA) District	Torrent Gas Private Limited	10	623	0	1
	Jhansi	Central UP Gas Limited	4	573	0	0
	Mirzapur, Chandauli and Sonbhadra Districts	GAIL Gas Limited	1	504	0	0
	Allahabad District (EAAA), Bhadohi & Kaushambi Districts	Indian-Oil Adani Gas Private Limited	9	318	0	0
	Auraiya, Kanpur Dehat & Etawah Districts	Torrent Gas Private Limited	15	115	0	0
	Gonda and Barabanki Districts	Torrent Gas Private Limited	7	0	0	0
	Basti and Amedkarnagar Districts	Torrent Gas Private Limited	6	0	0	0
	Bulandshahr District (EAAA), Aligarh & Hathras Districts	Indian-Oil Adani Gas Private Limited	5	0	0	0
	Azamgarh, Mau and Ballia Districts	Torrent Gas Private Limited	5	0	0	0
	Farrukhabad, Etah and Hardoi Districts	Hindustan Petroleum Corporation Limited	5	0	0	0
	Shahjahanpur and Budaun Districts	Hindustan Petroleum Corporation Limited	5	0	0	0
	Bulandshahr (part) District	Indian-Oil Adani Gas Private Limited	4	0	0	0
	Bareilly (EAAA) District, Pilibhit and Rampur Districts	Hindustan Petroleum Corporation Limited	4	0	0	0
	Bagpat District	Bagpat Green Energy Private Limited	3	0	0	0
	Mainpuri and Kannauj Districts	Hindustan Petroleum Corporation Limited	3	0	0	0
	Faizabad & Sultanpur Districts	Green Gas Limited	2	0	0	0
	Jaunpur and Ghazipur Districts	Indian-Oil Adani Gas Private Limited	2	0	0	0
	Unnao (EAAA) District	Green Gas Limited	1	0	0	0
Gorakhpur, Sant Kabir Nagar & Kushinagar Districts	Torrent Gas Private Limited	13	20	0	0	
<b>Uttar Pradesh Total</b>			<b>394</b>	<b>921,824</b>	<b>1,527</b>	<b>1,844</b>
Uttar Pradesh & Rajasthan	Firozabad (Taj Trapezium Zone)	GAIL Gas Limited	26	17,648	1	341
<b>Uttar Pradesh &amp; Rajasthan Total</b>			<b>26</b>	<b>17,648</b>	<b>1</b>	<b>341</b>
Uttar Pradesh and Uttrakhand	Bijnor and Nainital Districts	Hindustan Petroleum Corporation Limited	5	0	0	0
<b>Uttar Pradesh and Uttrakhand Total</b>			<b>5</b>	<b>0</b>	<b>0</b>	<b>0</b>
Uttrakhand	Haridwar District	Haridwar Natrural Gas Private Limited	4	20,814	0	0
	Udham Singh Nagar District	Indian-Oil Adani Gas Private Limited	5	10,196	33	37
	Dehradun District	GAIL Gas Limited	4	6,190	0	0
<b>Uttrakhand Total</b>			<b>13</b>	<b>37,200</b>	<b>33</b>	<b>37</b>
West Bengal	Burdwan District	Indian-Oil Adani Gas Private Limited	8	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	7	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>2,837</b>	<b>7,605,098</b>	<b>32,282</b>	<b>11,172</b>

Source- PNGRB & GEECL

**Note-**

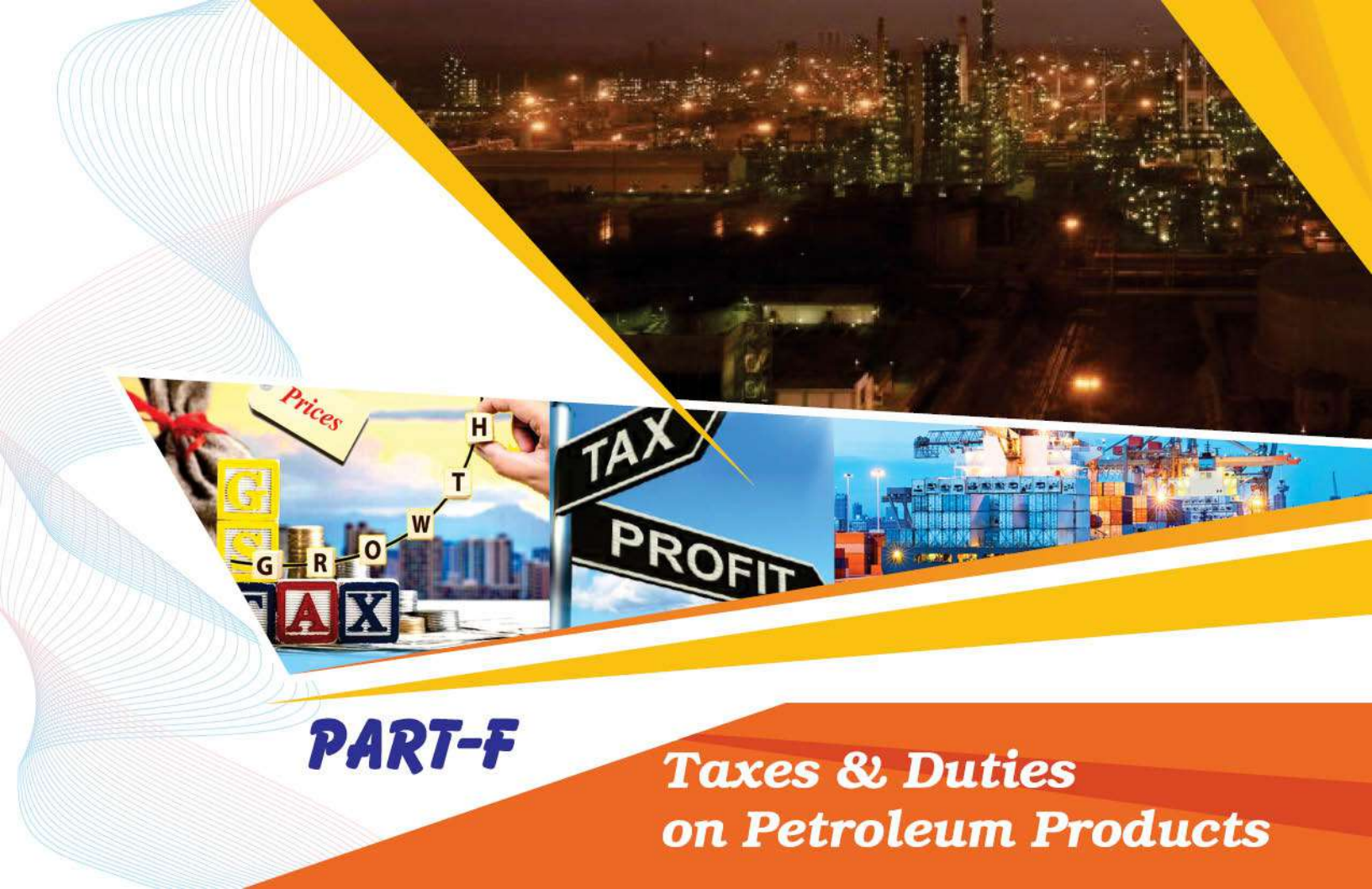
1. All the GAs where PNG connections/CNG Stations have been established is considered as Operational.
2. Under normal conditions, operation of any particular GA commences within around one year of authorization.
3. EAAA stands for Excluding/Except Area Already Authorized | \* stands for Sub-Judice | # 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 (March-2021)

City	CNG (Rs/Kg)	PNG (Rs/SCM)	Source
Delhi	43.40	28.41	IGL (w.e.f. 2nd March 2021)
Mumbai	49.40	29.85	MGL



## ***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	2018-19	2019-20	Mar-21	Particulars	Petrol*	Diesel*
Crude oil (Indian Basket)	69.88	60.47	64.73	Price charged to dealers (excluding Excise Duty and VAT)	33.07	34.71
Petrol	75.58	66.94	71.51	Excise Duty	32.90	31.80
Diesel	82.51	71.78	67.57	Dealers' Commission (Average)	3.69	2.51
Kerosene	82.24	70.56	64.78	VAT (incl VAT on dealers' commission)	20.90	11.85
LPG (\$/MT)	526.00	453.75	607.00	<b>Retail Selling Price</b>	<b>90.56</b>	<b>80.87</b>
FO (\$/MT)	420.93	321.19	373.43			
Naphtha (\$/MT)	573.72	471.08	565.79			
Exchange (Rs./\$)	69.89	70.88	72.79			
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	32.39	708.62
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)	1.75	38.54
Non-PDS SKO	5.00%		18.00%	<b>Retail Selling Price</b>	<b>36.78</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.

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

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

### Under-recoveries/subsidy & burden sharing

PDS Kerosene			
Product	2018-19	2019-20	2020-21 (9M)
	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 (9M)
	Rs./Crore		
DBTL subsidy	31,447	22,635	3,363
PME & IEC^	92	91	46
<b>Total</b>	<b>31,539</b>	<b>22,726</b>	<b>3,409</b>

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

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

Particulars	2019-20		9M, 2020-21	
	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	9M, 2020-21
Central Government	3,48,041	3,34,315	2,76,216
% 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>4,21,381</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	2017-18	2018-19	2019-20	2020-21 (P)	
				Target	Apr-Mar
ONGC Ltd	72,383	28,738	30,115	32,502	26,441
ONGC Videsh Ltd (OVL)	6,240	6,013	5,363	7,235	5,351
Oil India Ltd (OIL)	8,395	3,702	3,724	3,877	12,802
GAIL (India) Ltd	3,613	5,958	4,381	5,412	5,560
Indian Oil Corp. Ltd. (IOCL)	20,345	26,548	28,316	26,233	27,195
Hindustan Petroleum Corp. Ltd (HPCL)	7,134	11,689	13,773	11,500	14,036
Bharat Petroleum Corp. Ltd (BPCL)	8,161	10,084	10,255	9,000	10,697
Mangalore Refinery & Petrochem Ltd (MRPL)	1,281	1,072	1,318	1,150	2,218
Chennai Petroleum Corp. Ltd (CPCL)	963	1,208	969	569	592
Numaligarh Refinery Ltd (NRL)	387	459	536	949	981
Balmer Lawrie Co. Ltd (BL)	78	125	40	35	42
Engineers India Ltd (EIL) #	-	87	164	60	730
<b>Total</b>	<b>1,28,981</b>	<b>95,684</b>	<b>98,955</b>	<b>98,522</b>	<b>106,642</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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