

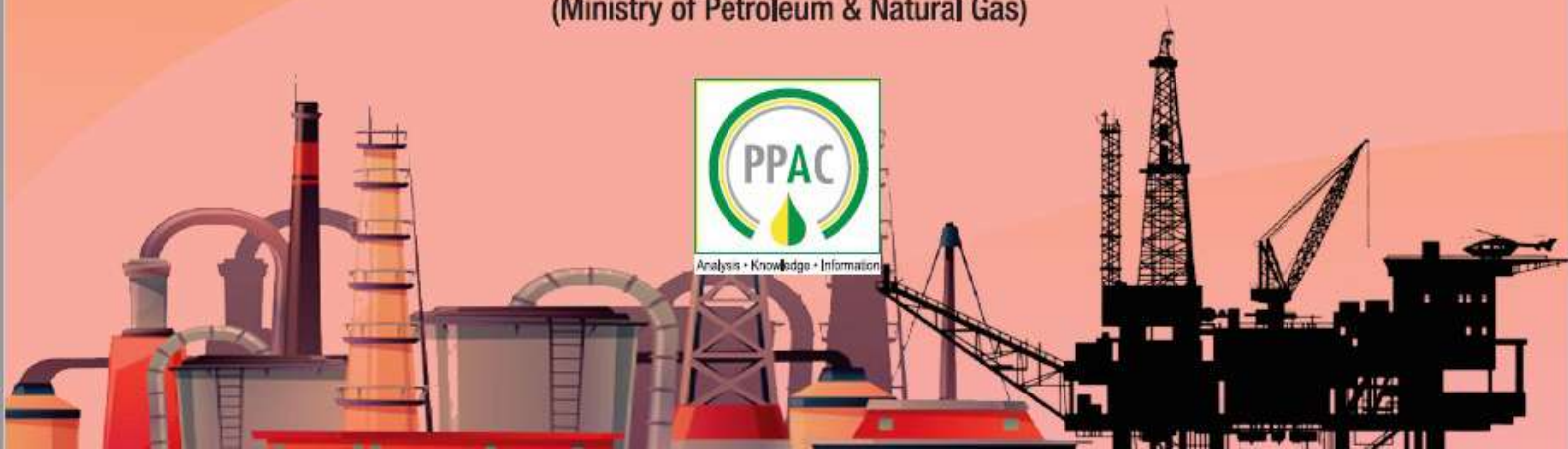
PPAC's Snapshot of India's Oil & Gas data

Abridged Ready Reckoner
February, 2021

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



Analysis • Knowledge • Information



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As on 19.03.2021

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) 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 February 2021 (with 28 days) with a volume of 17.2 MMT recovered to 95% of the volume of 18.1 MMT in February 2020 (with 29 days). Petroleum products consumption during the period April to February 2021 recovered almost 89% of the consumption during the same period previous year.
- The products which registered a growth in the month of February 2021 were LPG 7.7%, Naptha 0.3%, Lubes & Greases 0.8%, Light Diesel Oil (LDO) 46.5%, Pet coke 0.5% and products categorised under “Others” category 5.5%.
- Ethanol blending with Petrol was 7.8% during February 2021 and cumulative during December 2020-February 2021 was 6.9%.
- Total consumption of natural gas (including internal consumption) for the month of February, 2021 was 5045 MMSCM which was 12.7% lower than the corresponding month of the previous year. The cumulative consumption of 55053 MMSCM for the current year till February, 2021 was lower by 6.4% compared with the corresponding period of the previous year.
- Indigenous crude oil and condensate production during February 2021 was lower by 3.2% than that of February 2020 as compared to a de-growth of 4.6% during January 2021. OIL registered a de-growth of 9.1 % and ONGC registered a de-growth of 7.7 % during February 2021 as compared to February 2020. PSC registered growth of 14.9% during February 2021 as compared to February 2020. De-growth of 5.4% was registered in the total crude oil and condensate production during April- February 2021 over the corresponding period of the previous year.
- Crude oil processed during February 2021 was 18.6 MMT, which was 11.8% lower than February 2020 as compared to a growth of 0.6% during January 2021 . De-growth of 13.9% was registered in the total crude oil processing during April- February 2021 over the corresponding period of the previous year.
- Production of petroleum products saw a de-growth of 10.9% during February 2021 over February 2020 as compared to a de-growth of 2.5% during January 2020. De-growth of 12.2% was registered in the total POL production during April- February 2021 over the corresponding period of the previous year.

•	Gross production of natural gas for the month of February, 2021 was 2307 MMSCM which was lower by 1.4% compared with the corresponding month of the previous year. The cumulative gross production of natural gas of 23680 MMSCM for the current financial year till February, 2021 was lower by 9.7% compared with the corresponding period of the previous year.
•	Crude oil imports decreased by 18.3% and 14.2% during February 2021 and April-February 2021 respectively as compared to the corresponding period of the previous year.
•	POL products imports increased by 11.1% and decreased by 1.6% during February 2021 and April-February 2021 respectively as compared to the corresponding period of the previous year. Decrease in POL products imports during April-February 2021 was due to decrease in imports of high speed diesel (HSD), motor spirit (MS), LOBS/Lube oil, naphtha and aviation turbine fuel (ATF).
•	LNG import for the month of February, 2021 was 2810 MMSCM which was 20.2% lower than the corresponding month of the previous year. The cumulative import of 29883 MMSCM for the current year till February, 2021 was lower by 3.3% compared with the corresponding period of the previous year.
•	Exports of POL products decreased by 17.6% and 15.2% during February 2021 and April-February 2021 respectively as compared to the corresponding period of the previous year. Decrease in POL products exports during April-February 2021 (P) was due to decrease in exports of all products except LOBS/Lube oil and petcoke/CBFS.
•	The price of Brent Crude averaged \$62.22/bbl during February, 2021 as against \$54.84/bbl during January 2021 and \$55.44/bbl during February 2020. The Indian basket crude price averaged \$61.22/bbl during February 2021 as against \$54.79/bbl during January 2021 and \$54.63 /bbl during February 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	February		April-February	
					2019-20	2020-21 (P)	2019-20	2020-21 (P)
5	Index of Industrial Production (Base: 2011-12)	Growth %	3.8	-0.8	2.2*	-1.6* QE	0.5 [#]	-12.2 [#]
6	Imports	\$ Billion	514.1	474.7	37.9	40.5	443.2	340.8
7	Exports	\$ Billion	330.1	313.4	27.7	27.9	291.9	256.2
8	Trade Balance	\$ Billion	-184.0	-161.3	-10.2	-12.6	-151.4	-84.6
9	Foreign Exchange Reserves [@]	\$ Billion	411.9	475.6	481.5	584.6	-	-

IIP is for the month of *January & [#]April-January; [@]2018-19-as on March 29, 2019, 2019-20-as on March 27, 2019, February 2020- as on February 28, 2020 and February 2021-as on February 26, 2021; AE-Advanced Estimates; RE-Revised Estimates; QE-Quick Estimates.

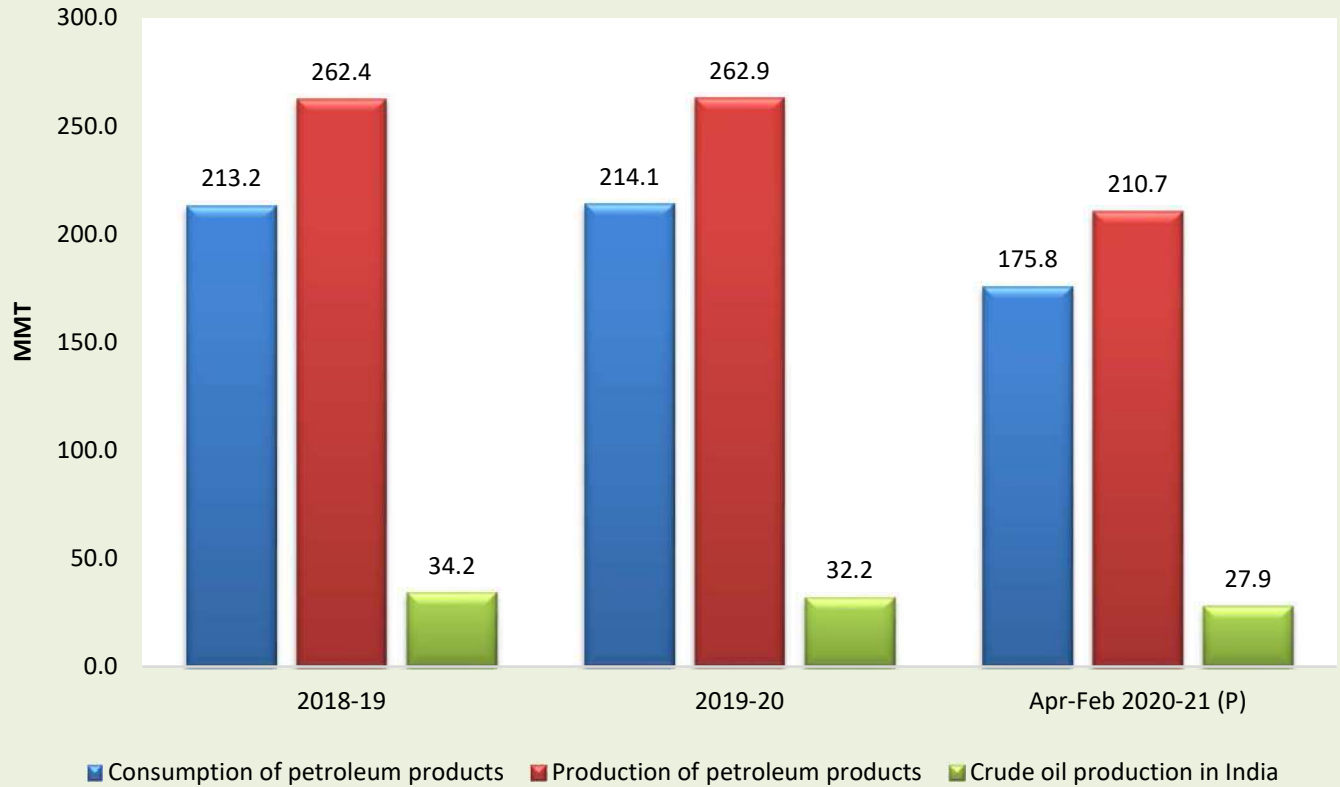
Source: Ministry of Commerce & Industry, Ministry of Statistics and Programme Implementation, Ministry of Agriculture & Farmer's Welfare, Ministry of Finance, Reserve Bank of India

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

Details		Unit/ Base	2018-19	2019-20	February		April-February	
					2019-20	2020-21 (P)	2019-20	2020-21 (P)
1	Crude oil production in India	MMT	34.2	32.2	2.4	2.3	29.5	27.9
2	Consumption of petroleum products*	MMT	213.2	214.1	18.1	17.2	198.2	175.8
3	Production of petroleum products	MMT	262.4	262.9	21.8	19.4	240.0	210.7
4	Gross natural gas production	MMSCM	32,875	31,184	2,341	2,307	28,769	25,987
5	Natural gas consumption	MMSCM	60,798	64,144	5,778	5,045	58,847	55,053
6	Imports & exports:							
	Crude oil imports	MMT	226.5	227.0	18.6	15.2	207.4	178.1
		\$ Billion	111.9	101.4	7.7	6.6	95.6	53.8
	Petroleum products (POL) imports*	MMT	33.3	43.8	3.5	3.9	40.0	39.4
		\$ Billion	16.3	17.7	1.5	1.6	16.4	12.4
	Gross petroleum imports (Crude + POL)	MMT	259.8	270.7	22.2	19.1	247.5	217.5
		\$ Billion	128.3	119.1	9.2	8.2	112.0	66.2
	Petroleum products (POL) export	MMT	61.1	65.7	5.0	4.1	59.8	50.7
		\$ Billion	38.2	35.8	2.6	2.2	33.9	18.0
	LNG imports*	MMSCM	28,740	33,887	3,520	2,810	30,917	29,883
		\$ Billion	10.3	9.5	0.9	0.8	8.8	6.6
7	Petroleum imports as percentage of India's gross imports (in value terms)	%	24.9	25.1	24.3	20.2	25.3	19.4
8	Petroleum exports as percentage of India's gross exports (in value terms)	%	11.6	11.4	9.3	8.0	11.6	7.0
9	Import dependency of crude (on consumption basis)	%	83.8	85.0	86.6	87.3	85.2	84.3

*Jul 2020- Feb 2021 DGCIS 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	February			April-February		
			2019-20	2020-21 Target*	2020-21 (P)	2019-20	2020-21 Target*	2020-21 (P)
ONGC	19.6	19.2	1.6	1.6	1.5	17.6	19.2	17.4
Oil India Limited (OIL)	3.3	3.1	0.2	0.3	0.2	2.9	3.0	2.7
Private / Joint Ventures (JVs)	9.6	8.2	0.5	0.7	0.5	7.5	7.5	6.5
Total Crude Oil	32.5	30.5	2.3	2.5	2.2	28.0	29.7	26.6
ONGC condensate	1.5	1.4	0.1		0.1	1.3		1.0
PSC condensate	0.2	0.3	0.02		0.02	0.2		0.2
Total condensate	1.7	1.6	0.1		0.1	1.5		1.3
Total (Crude + Condensate) (MMT)	34.2	32.2	2.4	2.5	2.3	29.5	29.7	27.9
Total (Crude + Condensate) (Million Bbl/Day)	0.69	0.64	0.61		0.61	0.64		0.61

*Provisional targets inclusive of condensate.

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

Details	2018-19	2019-20	February		April-February	
			2019-20	2020-21 (P)	2019-20	2020-21 (P)
Total domestic production (MMTOE)	67.1	63.4	4.7	4.6	58.2	53.9
Overseas production (MMTOE)	24.7	24.5	1.9	1.6	22.5	20.0
Overseas production as percentage of domestic production	36.8%	38.7%	40.0%	35.6%	38.6%	37.2%

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

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

Details		2018-19	2019-20	February		April-February	
				2019-20	2020-21 (P)	2019-20	2020-21 (P)
1	High Sulphur crude	194.2	192.4	16.5	13.0	176.1	146.0
2	Low Sulphur crude	63.0	62.0	4.6	5.6	57.1	54.8
Total crude processed (MMT)		257.2	254.4	21.1	18.6	233.2	200.8
Total crude processed (Million Bbl/Day)		5.17	5.09	5.34	4.87	5.10	4.41
Percentage share of HS crude in total crude oil processing		75.5%	75.6%	78.1%	69.8%	75.5%	72.7%

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

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

Particulars		2018-19	2019-20	February		April-February	
				2019-20	2020-21 (P)	2019-20	2020-21 (P)
1	Indigenous crude oil processing	31.7	29.3	2.2	2.0	26.8	25.5
2	Products from indigenous crude (93.3% of crude oil processed)	29.6	27.3	2.0	1.9	25.0	23.8
3	Products from fractionators (Including LPG and Gas)	4.9	4.8	0.4	0.3	4.4	3.9
4	Total production from indigenous crude & condensate (2 + 3)	34.5	32.1	2.4	2.2	29.4	27.6
5	Total domestic consumption	213.2	214.1	18.1	17.2	198.2	175.8
% Self-sufficiency (4 / 5)		16.2%	15.0%	13.4%	12.7%	14.8%	15.7%

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

Company	Refinery	Installed capacity (1.3.2021) MMTPA	Crude oil processing (MMT)							
			2018-19	2019-20	February			April-February		
					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	0.5	0.5	6.0	5.8	4.9
	Koyali (1965)	13.7	13.5	13.1	1.2	0.9	0.9	11.9	12.8	10.7
	Haldia (1975)	8.0	8.0	6.5	0.5	0.7	0.7	5.9	7.6	6.1
	Mathura (1982)	8.0	9.7	8.9	0.7	0.8	0.8	8.2	8.7	8.1
	Panipat (1998)	15.0	15.3	15.0	1.3	1.0	1.0	13.8	14.7	12.0
	Guwahati (1962)	1.0	0.9	0.9	0.05	0.07	0.08	0.9	0.8	0.8
	Digboi (1901)	0.65	0.7	0.7	0.06	0.06	0.02	0.6	0.6	0.6
	Bongaigaon(1979)*	2.70	2.5	2.0	0.1	0.2	0.2	1.9	2.4	2.2
	Paradip (2016)	15.0	14.6	15.8	1.2	1.0	1.2	14.5	12.6	11.1
	IOCL-TOTAL	70.1	71.8	69.4	5.7	5.3	5.4	63.7	65.9	56.4
CPCL	Manali (1969)	10.5	10.3	10.2	0.7	0.8	0.8	9.3	8.1	7.3
	CBR (1993)	1.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	CPCL-TOTAL	11.5	10.7	10.2	0.7	0.8	0.8	9.3	8.1	7.3
BPCL	Mumbai (1955)	12.0	14.8	15.0	1.3	1.1	1.3	13.7	13.7	11.6
	Kochi (1966)	15.5	16.1	16.5	1.4	1.3	1.4	15.1	14.8	11.9
BORL	Bina (2011)	7.8	5.7	7.9	0.7	0.6	0.6	7.2	7.1	5.6
NRL	Numaligarh (1999)	3.0	2.9	2.4	0.2	0.2	0.2	2.1	2.5	2.5
	BPCL-TOTAL	38.3	39.4	41.8	3.5	3.3	3.5	38.1	38.0	31.5

*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 (1.3.2021) (MMTPA)	Crude oil processing (MMT)							
			2018-19	2019-20	February			April-February		
					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	0.006	0.005	0.007	0.080	0.058	0.073
MRPL	Mangalore (1996)	15.0	16.2	14.0	1.3	1.3	1.3	12.8	14.0	10.1
	ONGC-TOTAL	15.1	16.3	14.0	1.3	1.3	1.3	12.8	14.1	10.2
HPCL	Mumbai (1954)	7.5	8.7	8.1	0.7	0.7	0.6	7.3	6.3	6.7
	Visakh (1957)	8.3	9.8	9.1	0.8	1.0	0.7	8.3	9.5	8.2
HMEL	Bathinda (2012)	11.3	12.5	12.2	1.0	0.7	0.0	11.3	6.2	9.0
	HPCL- TOTAL	27.1	30.9	29.4	2.5	2.4	1.4	26.9	22.1	23.9
RIL	Jamnagar (DTA) (1999)	33.0	31.8	33.0	2.9	2.9	2.7	30.0	30.0	31.3
	Jamnagar (SEZ) (2008)	35.2	37.4	35.9	2.8	2.8	2.2	33.4	33.4	24.8
NEL	Vadinar (2006)	20.0	18.9	20.6	1.6	1.6	1.4	18.9	18.9	15.4
All India (MMT)		250.2	257.2	254.4	21.1	20.4	18.6	233.2	230.5	200.8
All India (Million Bbl/Day)		5.03	5.17	5.09	5.34		4.87	5.10		4.41

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 01.03.2021)										
Details		ONGC	OIL	Cairn	HMEL	IOCL	BPCL	HPCL	Others*	Total
Crude Oil	Length (KM)	1,283	1,193	688	1,017	5,301	937			10,419
	Cap (MMTPA)	60.6	9.0	10.7	11.3	48.6	7.8			147.9
Products	Length (KM)		654			9,400	2,241	3,775	2,395	18,465
	Cap (MMTPA)		1.7			46.0	19.5	34.7	9.4	111.3

*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)

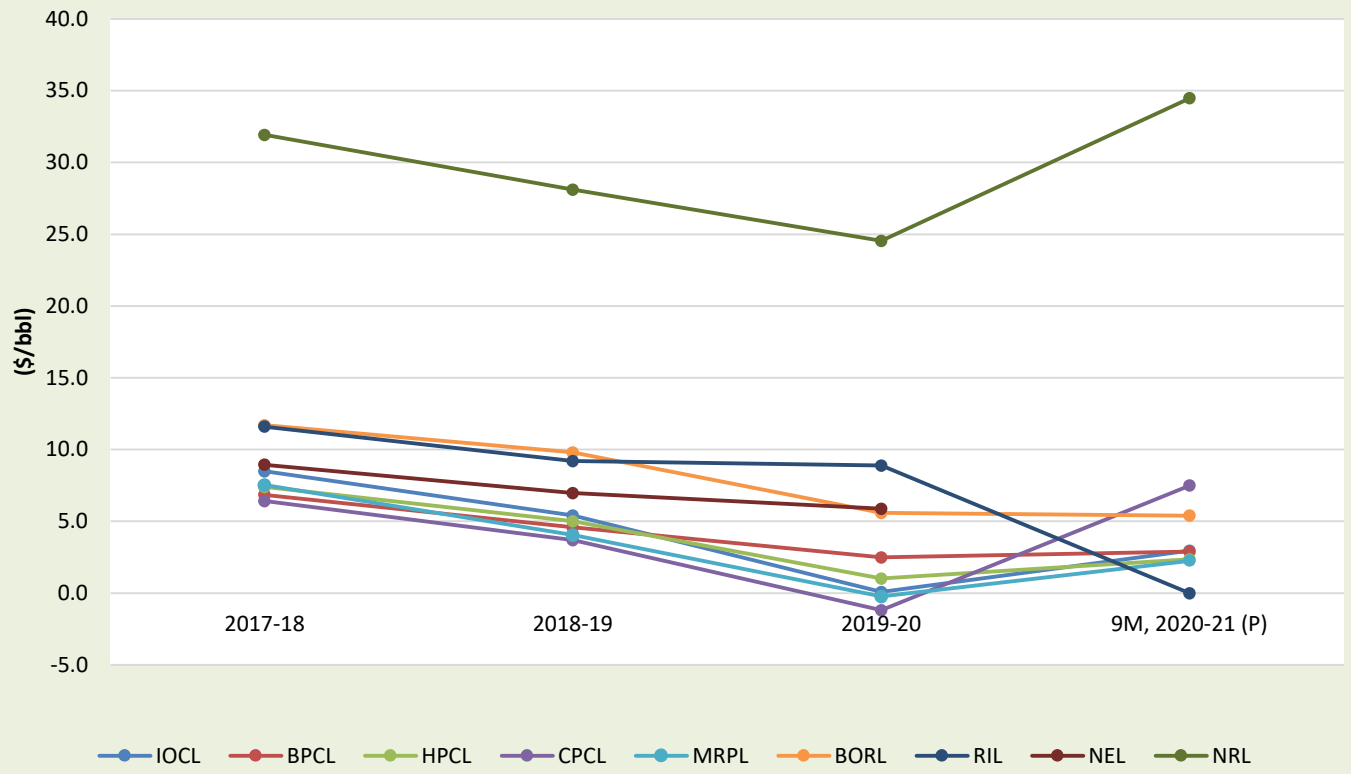
Note: Pipelines shown are indicative only.

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
	Weighted average	8.49	5.41	0.08	2.96
BPCL	Kochi	6.44	4.27	2.17	3.38
	Mumbai	7.26	4.92	2.88	2.43
	Weighted average	6.85	4.58	2.50	2.90
HPCL	Mumbai	8.35	5.79	3.63	3.03
	Visakhapatnam	6.55	4.31	-1.30	1.80
	Weighted average	7.40	5.01	1.02	2.35
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 [@]	Vadinar	8.95	6.97	5.88	*

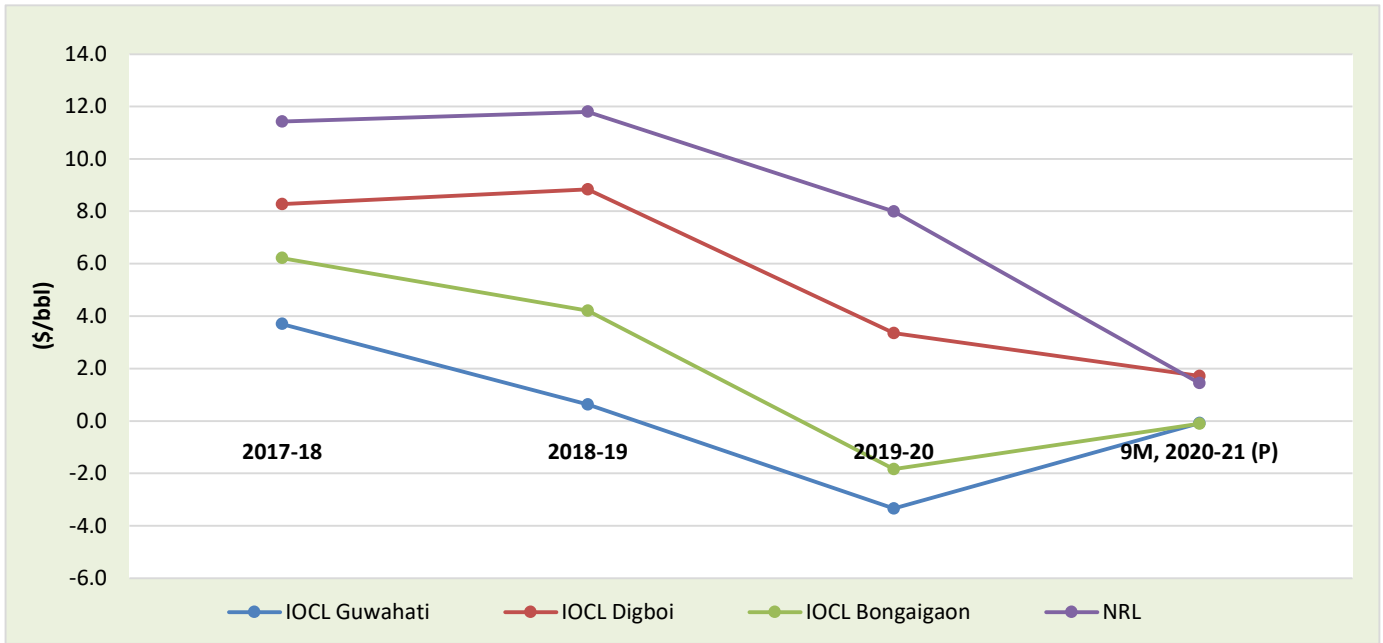
*Not available; ** GRM of North Eastern refineries are including excise duty benefit. For GRM excluding excise duty benefit, refer table 11; HMEI data not available; @Nayara Energy Limited (formerly Essar Oil Limited)

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

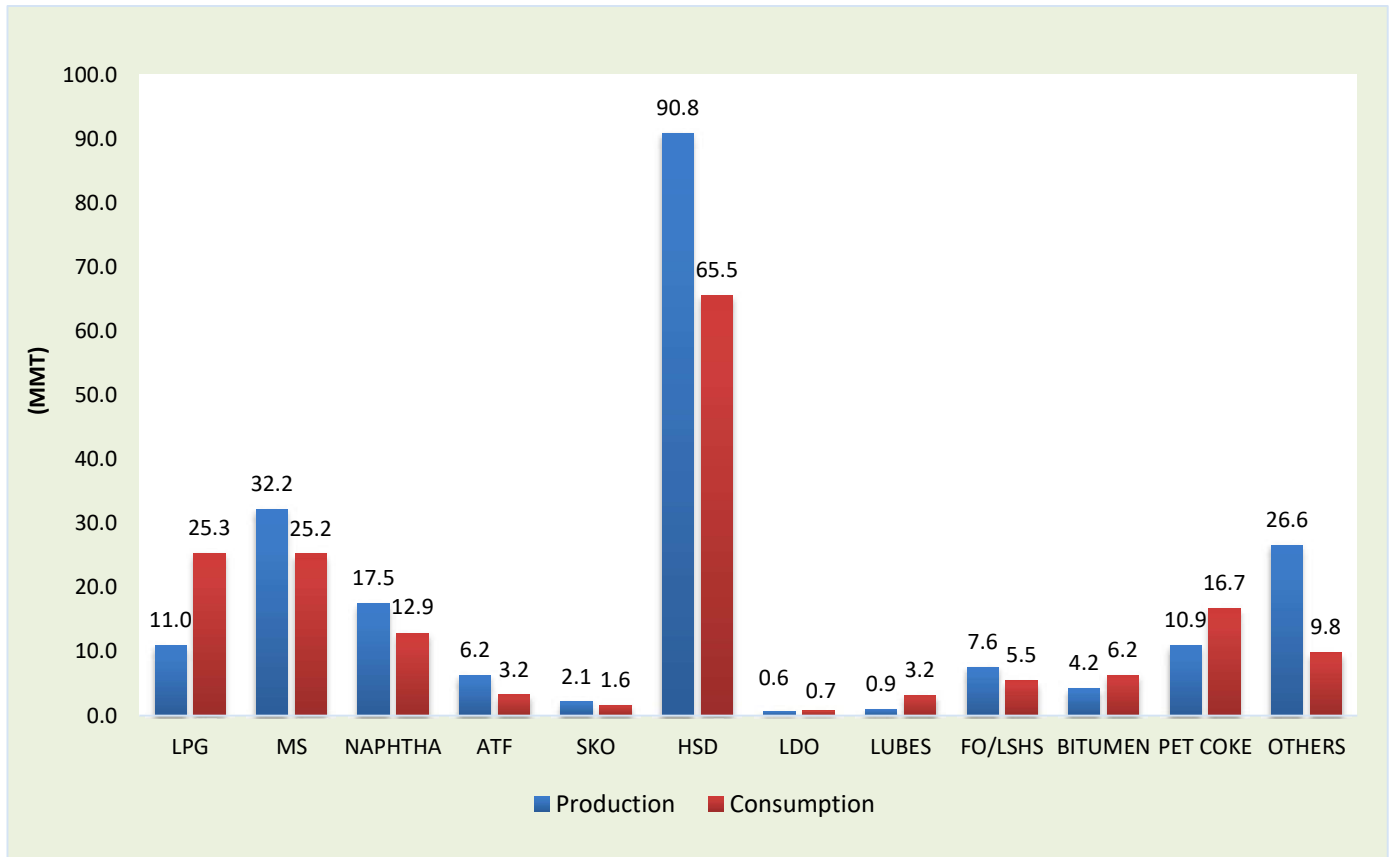
Consumption

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

Products	2018-19		2019-20		February 2020		February 2021 (P)		Apr-Feb 2019-20		Apr-Feb 2020-21 (P)	
	Prod	Cons	Prod	Cons	Prod	Cons	Prod	Cons	Prod	Cons	Prod	Cons
LPG	12.8	24.9	12.8	26.3	1.1	2.1	1.0	2.3	11.7	24.0	11.0	25.3
MS	38.0	28.3	38.6	30.0	3.1	2.5	3.0	2.4	35.3	27.8	32.2	25.2
NAPHTHA	19.6	14.1	20.6	14.3	1.8	1.2	1.6	1.2	18.7	13.0	17.5	12.9
ATF	15.5	8.3	15.2	8.0	1.3	0.7	0.8	0.4	14.1	7.5	6.2	3.2
SKO	4.1	3.5	3.2	2.4	0.3	0.2	0.1	0.1	2.9	2.2	2.1	1.6
HSD	110.6	83.5	111.1	82.6	8.9	7.2	8.4	6.6	101.4	76.9	90.8	65.5
LDO	0.7	0.6	0.6	0.6	0.05	0.05	0.06	0.08	0.6	0.6	0.6	0.7
LUBES	0.9	3.7	0.9	3.8	0.1	0.3	0.1	0.3	0.8	3.6	0.9	3.2
FO/LSHS	10.0	6.6	9.3	6.3	0.8	0.6	0.5	0.5	8.5	5.8	7.6	5.5
BITUMEN	5.6	6.7	4.9	6.7	0.5	0.8	0.6	0.7	4.4	6.1	4.2	6.2
PET COKE	13.7	21.3	14.6	21.7	1.2	1.6	1.0	1.6	13.3	20.1	10.9	16.7
OTHERS	31.0	11.7	31.0	11.4	2.7	0.9	2.2	0.9	28.3	10.5	26.6	9.8
ALL INDIA	262.4	213.2	262.9	214.1	21.8	18.1	19.4	17.2	240.0	198.2	210.7	175.8
Growth (%)	3.2%	3.4%	0.2%	0.4%	7.4%	3.8%	-10.9%	-4.9%	0.2%	2.3%	-12.2%	-11.3%

Note: Prod - Production; Cons - Consumption

Petroleum Products: April-February 2020-21 (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	18,59,628

*PDS SKO allocation is for Apr 2020-Mar 2021 and upliftment is for Apr 2020-Feb 2021

14. Ethanol blending programme

Particulars	Ethanol Supply Year *			
	2017-18	2018-19 (P)	2019-20 (P)	2020-21 (P) (Dec 2020-Feb 2021)
Ethanol received by PSU OMCs under EBP Program (in Cr. Litrs)	150.5	188.6	173.0	74.7
Average Percentage of Blending Sales (EBP%)	4.2%	5.0%	5.0%	6.9%

*Ethanol Supply Year : Ethanol supplies take place between 1st December of the present year to 30th 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 01.03.2021) (Provisional)

Particulars	IOCL	BPCL	HPCL	RIL/RBML*	NEL	SHELL	Others	Total
POL Terminal/ Depots (Nos.) [§]	118	78	80	18	3	-	6	303
Aviation Fuel Stations (Nos.) [@]	120	61	44	31	-	-	1	257
Retail Outlets (total) (Nos.) [^]	31,559	18,171	18,265	1,414	6,016	257	14	75,696
out of which Rural ROs	9,706	4,090	4,429	127	1,976	55	3	20,386
SKO/LDO agencies (Nos.)	3,871	930	1,638	-	-	-	-	6,439
LPG Distributors (total) (Nos.) (PSUs only)	12,671	6,151	6,171	-	-	-	-	24,993
LPG Bottling plants (Nos.) (PSUs only) [#]	93	53	50	-	-	-	3	199
LPG Bottling capacity (TMTPA) (PSUs only) ^{&}	10,184	4,920	5,702	-	-	-	173	20,979
LPG active domestic consumers (Nos. crore) (PSUs only)	13.6	7.4	7.9	-	-	-	-	28.9

[§](Others=4 MRPL & 2 NRL); [@](Others=ShellMRPL -1); [^](Others=MRPL-14); [#](Others=NRL-1, OIL-1, CPCL-1); [&](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	February			April-February		
			2019-20	2020-21 (P)	Gr (%)	2019-20	2020-21 (P)	Gr (%)
1. PSU Sales :								
LPG-Packed Domestic	21,728.0	23,076.0	1,850.9	2,005.4	8.3	20,983.0	23,133.8	10.3
LPG-Packed Non-Domestic	2,364.4	2,614.4	212.1	201.5	-5.0	2,447.8	1,683.3	-31.2
LPG-Bulk	318.1	263.5	17.7	36.4	105.7	247.8	315.4	27.3
Auto LPG	180.3	171.9	13.6	11.9	-12.9	161.9	105.8	-34.7
Sub-Total (PSU Sales)	24,590.8	26,125.7	2,094.4	2,255.2	7.7	23,840.5	25,238.2	5.9
2. Direct Private Imports*	316.0	204.0	11.4	11.9	3.9	195.8	102.9	-47.5
Total (1+2)	24,906.8	26,329.8	2,105.8	2,267.0	7.7	24,036.3	25,341.1	5.4

*Jul 2020-Feb 2021 DGCIIS data are prorated.

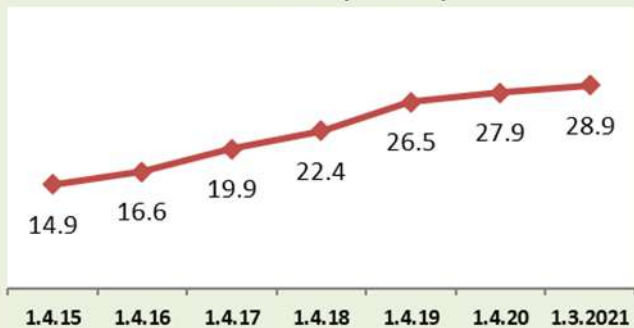
17. LPG marketing at a glance														
Particulars (As on 1st of April)	Unit	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1.3.2021 (P)
		LPG Active Domestic Customers	(Lakh)							1486	1663	1988	2243	2654
	Growth								11.9%	19.6%	12.8%	18.3%	5.0%	3.9%
LPG Coverage (Estimated)	(Percent)							56.2	61.9	72.8	80.9	94.3	97.5	99.7
	Growth								10.1%	17.6%	11.1%	16.5%	3.4%	2.4%
PMUY Beneficiaries	(Lakh)									200	356	719	802	800
	Growth									77.7%	101.9%	11.5%	-0.3%	
LPG Distributors	(No.)	9366	9686	10541	11489	12610	13896	15930	17916	18786	20146	23737	24670	24993
	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	652
	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	199
	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%	2.1%

Source: PSU OMCs (IOCL, BPCL and HPCL)

1. All growth rates as on 1.3.2021 are w.r.t figures as on 1.3.2020. 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.

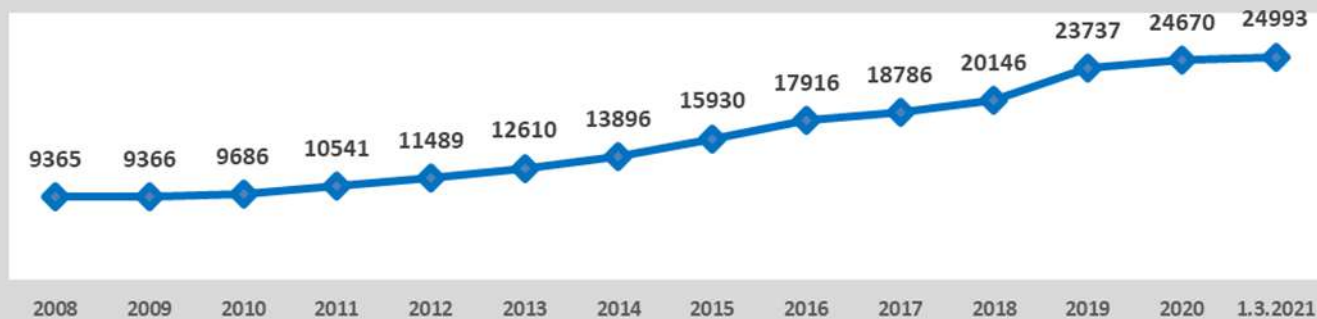
Growth trend in active LPG domestic customers (In Crore)



Growth trend in LPG coverage



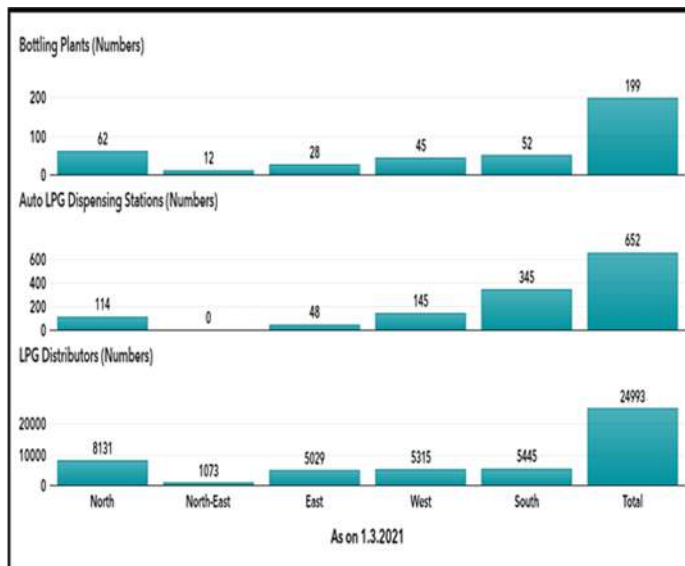
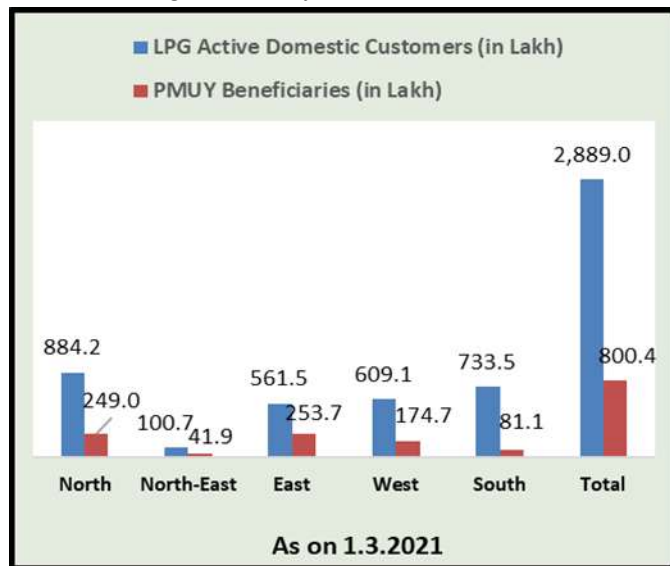
Growth trend in LPG distributors



18-Region-wise data on LPG marketing (As on 01.03.2021)

Particulars	North	North-East	East	West	South	Total
LPG Active Domestic Customers (in Lakh)	884.2	100.7	561.5	609.1	733.5	2889.0
LPG Coverage (Estimated)	114.1%	93.0%	86.0%	90.1%	107.2%	99.7%
PMUY Beneficiaries (in Lakh)	249.0	41.9	253.7	174.7	81.1	800.4
LPG Distributors (Numbers)	8131	1073	5029	5315	5445	24993
Auto LPG Dispensing Stations (Numbers)	114	0	48	145	345	652
Bottling Plants* (Numbers)	62	12	28	45	52	199

*Includes Numaligarh BP, Duliajan BP and CPCL BP.





PART-E

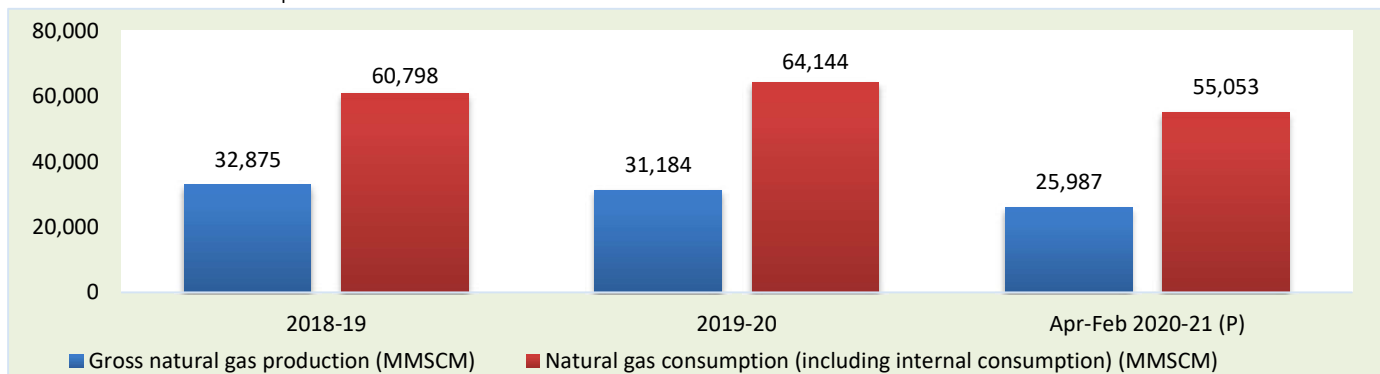
Natural Gas

19. Natural gas at a glance

(MMSCM)

Details	2018-19	2019-20	February			April-February		
			2019-20	2020-21 (Target)	2020-21 (P)	2019-20	2020-21 (Target)	2020-21 (P)
(a) Gross production	32,875	31,184	2,341	2,859	2,307	28,769	30,410	25,987
- ONGC	24,677	23,746	1,870	1,852	1,630	21,841	21,933	20,040
- Oil India Limited (OIL)	2,722	2,668	201	238	188	2,457	2,500	2,270
- Private / Joint Ventures (JVs)	5,477	4,770	270	769	489	4,471	5,977	3,677
(b) Net production (excluding flare gas and loss)	32,058	30,257	2,257		2,235	27,930		25,171
(c) LNG import [#]	28,740	33,887	3,520		2,810	30,917		29,883
(d) Total consumption including internal consumption (b+c)	60,798	64,144	5,778		5,045	58,847		55,053
(e) Total consumption (in BCM)	60.8	64.1	5.8		5.0	58.8		55.1
(f) Import dependency based on consumption (%), {c/d*100}	47.3	52.8	60.9		55.7	52.5		54.3

[#]Jul 2020-Feb 2021 DGCI 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-February 2020-21 (P)	585.26	MMSCM
Production of CBM gas	February 2021 (P)	56.25	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	-			-						-	-		-
Total operational length		11,884	2,265	1,460	155	105	312	73	42	24	442	364	0	17,126
Under construction	Length	6,242			1,398						2,335	1,678	3,780	15,433
	Capacity	23.2			-						-	-	157.7	-
Total length		18,126	2,265	1,460	1,553	105	312	73	42	24	2,777	2,042	3,780	32,559

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 01.03.2021	% Capacity utilisation (Apr-Jan 2020-21)
Dahej	Petronet LNG Ltd (PLL)	17.5 MMTPA	93.6
Hazira	Shell Energy India Pvt. Ltd.	5 MMTPA	83.4
Dabhol	Konkan LNG Limited	*5 MMTPA	64.9
Kochi	Petronet LNG Ltd (PLL)	5 MMTPA	17.0
Ennore	Indian Oil LNG Pvt Ltd	5 MMTPA	12.0
Mundra	GSPC LNG Limited	5 MMTPA	36.1
Total Capacity		42.5 MMTPA	

* 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 31.01.2021 (P)

State/Union Territory	Geographical Area/CGD Networks	Authorized CGD Entity	CNG stations	PNG connections		
				Domestic	Commercial	Industrial
Andhra Pradesh	East Godavari District (EAAA)	Godavari Gas Private Limited	13	41,346	5	0
	Kakinada	Bhagyannagar Gas Limited	10	54,802	118	2
	Krishna District (EAAA)	Megha Engineering & Infrastructure Limited	15	9,802	82	15
	Vijaywada	Bhagyannagar Gas Limited	23	38,142	36	0
	West Godavari District	Godavari Gas Private Limited	11	38,510	11	1
Andhra Pradesh Total			72	182,602	252	18
Andhra Pradesh, Karnataka & Tamil Nadu	Chittoor, Kolar and Vellore Districts	AGP City Gas Private Limited	0	0	0	1
Andhra Pradesh, Karnataka & Tamil Nadu Total			0	0	0	1
Assam	Cachar, Hailakandi & Karimganj Districts	Purba Bharati Gas Private Limited	0	131	0	0
	Upper Assam	Assam Gas Company Limited	1	35,876	1,164	404
Assam Total			1	36,007	1,164	404
Bihar	Aurangabad, Kaimur & Rohtas Districts	Indian Oil Corporation Limited	1	0	0	0
	Begusarai District	Think Gas Begusarai Private Limited	1	0	0	0
	Patna District	GAIL (India) Limited	8	24,313	9	0
Bihar Total			10	24,313	9	0
Chandigarh (UT), Haryana, Punjab & Himachal Pradesh	Chandigarh	Indian-Oil Adani Gas Private Limited	15	111,567	37	9
Chandigarh (UT), Haryana, Punjab & Himachal Pradesh Total			15	111,567	37	9
Dadra & Nagar Haveli (UT)	UT of Dadra & Nagar Haveli	Gujarat Gas Limited	7	5,995	52	43
Dadra & Nagar Haveli (UT) Total			7	5,995	52	43
Daman & Diu (UT)	UT of Daman	Indian-Oil Adani Gas Private Limited	4	4,768	28	26
Daman & Diu (UT) Total			4	4,768	28	26
Daman and Diu & Gujarat	Diu & Gir Somnath Districts	IRM Energy Private Limited	9	0	0	0
Daman and Diu & Gujarat Total			9	0	0	0
Goa	North Goa District	Goa Natural Gas Private Limited	4	4,936	2	6
Goa Total			4	4,936	2	6
Gujarat	Ahmedabad City (Only for CNG)	Hindustan Petroleum Corporation Limited	22	0	0	0
	Ahmedabad City and Daskroi Area	Adani Gas Limited	66	404,479	2,854	849
	Ahmedabad District (EAAA)	Gujarat Gas Limited	8	0	0	0
	Amreli District	Gujarat Gas Limited	13	4,849	26	1
	Anand area including Kanjari & Vadtal Villages (in Kheda District)	Charotar Gas Sahakari Mandali Limited	6	33,672	670	136
	Anand District (EAAA)	Gujarat Gas Limited	27	37,374	240	15
	Banaskantha District	IRM Energy Private Limited	29	25,100	98	10
	Barwala & Ranpur Talukas	Adani Gas Limited	3	0	0	0
	Bhavnagar	Gujarat Gas Limited	23	34,872	281	62
	Dahej Vagra Taluka	Gujarat Gas Limited	4	1,059	12	27
	Dahod District	Gujarat Gas Limited	10	2,887	7	17
	Gandhinagar	Gujarat Gas Limited	14	125,949	535	27
	Gandhinagar Mehsana Sabarkantha	Sabarmati Gas Limited	106	201,754	872	350
	Hazira	Gujarat Gas Limited	1	36,121	122	17
	Jamnagar	Gujarat Gas Limited	18	21,385	158	97
	Junagadh District	Torrent Gas Private Limited	11	0	0	0
	Kheda District (EAAA) & Mahisagar District	Adani Gas Limited	10	0	0	0
	Kutch (West)	Gujarat Gas Limited	12	1,460	23	2
	Nadiad	Gujarat Gas Limited	29	64,340	379	19

State/Union Territory	Geographical Area/CGD Networks	Authorized CGD Entity	CNG stations	PNG connections		
				Domestic	Commercial	Industrial
	Narmada (Rajpipla) District	Gujarat Gas Limited	3	0	0	0
	Navsari	Gujarat Gas Limited	23	104,555	253	51
	Navsari District (EAAA), Surat District (EAAA), Tapi District (EAAA) & the Dangs District	Adani Gas Limited	5	0	0	0
	Panchmahal District	Gujarat Gas Limited	25	15,885	89	83
	Patan District	Sabarmati Gas Limited	19	11,906	24	6
	Porbandar District	Adani Gas Limited	3	0	0	0
	Rajkot	Gujarat Gas Limited	70	251,984	1,428	996
	Surat, Bharuch, Ankleshwar	Gujarat Gas Limited	104	676,658	9,142	999
	Surenranagar	Gujarat Gas Limited	18	25,101	215	362
	Surenranagar District (EAAA) & Morbi District (EAAA)	Adani Gas Limited	5	0	0	0
	Vadodara	Vadodara Gas Limited	20	170,993	2,617	3
	Vadodara	Adani Gas Limited	6	616	1	89
	Valsad	Gujarat Gas Limited	25	108,845	359	685
	Gujarat Total			738	2,361,844	20,405
Haryana	Ambala & Kurukshetra Districts	HPOil Gas Private Limited	6	5,261	0	0
	Bhiwani, Charkhi Dadri & Mahendragarh Districts	Adani Gas Limited	5	0	0	0
	Faridabad	Adani Gas Limited	20	59,953	186	366
	Gurugram	Haryana City Gas Distribution Limited	29	22,337	140	160
	Hisar District	HCG (KCE) Private Limited	2	0	0	0
	Jhajjar District	Haryana City Gas (KCE) Private Limited	3	24	0	0
	Kaithal District	Indraprastha Gas Limited	2	8,521	0	0
	Karnal District	Indraprastha Gas Limited	7	9,535	1	7
	Nuh and Palwal Districts	Adani Gas Limited	8	1,476	4	35
	Panipat District	Indian-Oil Adani Gas Private Limited	11	16,939	10	23
	Rewari District	Indraprastha Gas Limited	13	9,484	15	64
	Rohtak District	Bharat Petroleum Corporation Limited	2	1,050	0	0
	Sonapat	GAIL Gas Limited	16	24,586	41	165
	Sonapat District (EAAA) & Jind District	Hindustan Petroleum Corporation Limited	6	0	0	0
	Yamunanagar District	Bharat Petroleum Corporation Limited	4	6,089	0	0
Gurugram	Indraprastha Gas Limited	9	13,740	90	18	
Haryana Total			143	178,995	487	838
Haryana & Himachal Pradesh	Panchkula District (EAAA), Sirmaur, Shimla & Solan (EAAA) Districts	Indian-Oil Adani Gas Private Limited	3	0	0	0
Haryana & Himachal Pradesh Total			3	0	0	0
Haryana & Punjab	Sirsa, Fatehabad and Mansa (Punjab) Districts	Gujarat Gas Limited	5	0	0	0
Haryana & Punjab Total			5	0	0	0
Himachal Pradesh	Bilaspur, Hamirpur & Una Districts	Bharat Gas Resources Limited	1	1,000	0	0
Himachal Pradesh Total			1	1,000	0	0
Jharkhand	East Singhbhum District	GAIL (India) Limited	4	10,067	0	0
	Ranchi District	GAIL (India) Limited	4	12,750	0	0
	Bokaro, Hazaribagh & Ramgarh Districts	Indian Oil Corporation Limited	5	0	0	0
	Giridih & Dhanbad Districts	GAIL Gas Limited	0	4,591	0	0
	Seraikela-Kharsawan District	GAIL Gas Limited	0	154	0	0
Jharkhand Total			13	27,562	0	0
	Ballari & Gadag Districts	Bharat Gas Resources Limited	4	0	0	0
	Belgaum District	Megha Engineering & Infrastructure Limited	2	12,375	57	21
	Bengaluru Rural and Urban Districts	GAIL Gas Limited	31	179,321	199	126

State/Union Territory	Geographical Area/CGD Networks	Authorized CGD Entity	CNG stations	PNG connections		
				Domestic	Commercial	Industrial
Karnataka	Bidar District	Bharat Gas Resources Limited	1	0	0	0
	Chitradurga & Davanagere Districts	Unison Enviro Private Limited	2	0	0	0
	Dakshina Kannada District*	GAIL Gas Limited	7	4,732	0	0
	Dharwad District	Indian-Oil Adani Gas Private Limited	2	11,681	3	0
	Ramanagara District	Maharashtra Natural Gas Limited	6	686	0	1
	Tumkur District	Megha Engineering & Infrastructure Limited	0	15,207	86	33
Karnataka Total			55	224,002	345	181
Kerala	Alapuzha, Kollam and Thiruvananthapuram Districts	AGP City Gas Private Limited	2	0	0	2
	Ernakulam District	Indian-Oil Adani Gas Private Limited	9	42,419	11	8
	Palakkad & Thrissur Districts	Indian-Oil Adani Gas Private Limited	6	0	0	0
Kerala Total			17	42,419	11	10
Madhya Pradesh	Bhopal & Rajgarh Districts	Think Gas Bhopal Private Limited	11	0	0	0
	Dewas	GAIL Gas Limited	3	12,679	28	40
	Dhar District	Naveriya Gas Private Limited	2	535	14	0
	Guna District	Indian Oil Corporation Limited	1	403	0	0
	Gwalior	Aavantika Gas Limited	15	23,491	44	7
	Gwalior (EAAA) District and Sheopur District	Rajasthan State Gas Limited	2	0	0	0
	Indore (including Ujjain City)	Aavantika Gas Limited	39	60,628	93	231
	Rewa District	Indian Oil Corporation Limited	1	583	0	0
	Satna & Shandol Districts	Bharat Gas Resources Limited	2	1,310	0	0
	Ujjain (EAAA) District, Dewas (EAAA) District and Indore (EAAA) District	Gujarat Gas Limited	4	0	0	0
Madhya Pradesh Total			80	99,629	179	278
Madhya Pradesh and Rajasthan	Jhabua, Banswara, Ratlam and Dungarpur Districts	Gujarat Gas Limited	4	0	0	0
Madhya Pradesh and Rajasthan Total			4	0	0	0
Madhya Pradesh and Uttar Pradesh	Jhansi (EAAA) District, Bhind, Jalaun, Lalitpur and Datia Districts	Adani Gas Limited	2	0	0	0
Madhya Pradesh and Uttar Pradesh Total			2	0	0	0
Maharashtra	Ahmednagar & Aurangabad Districts	Bharat Gas Resources Limited	6	0	0	0
	Kolhapur District	HPOIL Gas Private Limited	4	1,321	0	0
	Latur & Osmanabad Districts	Unison Enviro Private Limited	2	0	0	0
	Mumbai & Greater Mumbai	Mahanagar Gas Limited	141	921,325	3,134	15
	Palghar District & Thane Rural	Gujarat Gas Limited	17	368	11	38
	Pune City including Pimpri - Chichwad & adjoining contiguous areas	Maharashtra Natural Gas Limited	87	325,717	370	222
	Hinjewadi, Chakan, Talegaon	Maharashtra Natural Gas Limited	87	325,717	370	222
	Pune District (EAAA)	Torren Gas Pune Limited	21	890	0	4
	Raigarh District (EAAA)	Mahanagar Gas Limited	18	39,937	0	1
	Ratnagiri District	Unison Enviro Private Limited	14	1,073	1	25
	Sangli & Satara Districts	Bharat Gas Resources Limited	5	179	0	0
	Sindhudurg District	Maharashtra Natural Gas Limited	4	1,201	0	0
Thane urban and adjoining Municipalities	Mahanagar Gas Limited	107	602,011	912	61	
Maharashtra Total			426	1,894,022	4,428	366
Maharashtra & Gujarat	Valsad (EAAA), Dhule & Nashik Districts	Maharashtra Natural Gas Limited	19	16,605	0	0
Maharashtra & Gujarat Total			19	16,605	0	0
National Capital Territory of Delhi (UT)	National Capital Territory of Delhi	Indraprastha Gas Limited	424	1,021,505	2,551	1,539
National Capital Territory of Delhi (UT) Total			424	1,021,505	2,551	1,539
Orissa	Cuttack District	GAIL (India) Limited	6	6,235	0	0
	Ganjam, Nayagarh & Puri Districts	GAIL Gas Limited	2	18	0	0

State/Union Territory	Geographical Area/CGD Networks	Authorized CGD Entity	CNG stations	PNG connections		
				Domestic	Commercial	Industrial
Odisha	Khordha District	GAIL (India) Limited	10	13,413	0	0
	Sundargarh & Jharsuguda Districts	GAIL Gas Limited	2	0	0	0
Odisha Total			20	19,666	0	0
Puducherry & Tamil Nadu	Karaikal & Nagapattinam Districts	Torrent Gas Private Limited	2	0	0	0
Puducherry & Tamil Nadu Total			2	0	0	0
Punjab	Amritsar District	Gujarat Gas Limited	13	2,785	34	2
	Bhatinda District	Gujarat Gas Limited	4	603	0	0
	Fatehgarh Sahib District	IRM Energy Private Limited	5	1,380	18	33
	Ferozepur, Faridkot and Sri Muktsar Sahib Districts	Gujarat Gas Limited	1	0	0	0
	Hoshiarpur and Gurdaspur Districts	Gujarat Gas Limited	8	0	0	0
	Jalandhar	Jay Madhok Energy Private Limited led Consortium	3	0	0	0
	Jalandhar District (EAAA), Kapurthala & SBS Nagar Districts	Think Gas Ludhiana Private Limited	10	0	0	0
	Ludhiana	Jay Madhok Energy Private Limited led Consortium	3	0	0	0
	Ludhiana District (EAAA), Barnala & Moga Districts	Think Gas Ludhiana Private Limited	9	41	0	0
	Rupnagar District	Bharat Petroleum Corporation Limited	6	4,950	0	0
SAS Nagar District (EAAA), Patiala & Sangrur Districts	Torrent Gas Private Limited	13	0	0	0	
Punjab Total			75	9,759	52	35
Rajasthan	Ajmer, Pali and Rajsamand Districts	Indraprastha Gas Limited	0	20,479	0	0
	Barmer, Jaisalmer & Jodhpur Districts	AGP CGD India Private Limited	5	2	1	2
	Bhilwara & Bundi Districts	Adani Gas Limited	4	0	0	0
	Bhiwadi (in Alwar District)	Haryana City Gas Distribution (Bhiwadi) Limited	1	1,750	0	47
	Chittorgarh (Other than Rawatbhata Taluka) & Udaipur Districts*	Adani Gas Limited	9	0	0	0
	CNG (DBS) NOC	Rajasthan State Gas Limited	2	-	-	-
	Dholpur District	Dholpur CGD Private Limited	4	0	0	0
	Jalore and Sirohi Districts	Gujarat Gas Limited	6	0	0	0
	Kota	Rajasthan State Gas Limited	7	15,358	17	15
	Kota District (EAAA), Baran & Chittorgarh (Only Rawatbhata Taluka) Districts	Torrent Gas Private Limited	10	0	0	0
Rajasthan Total			48	37,589	18	64
Tamil Nadu	Ramanathapuram District	AGP CGD India Private Limited	2	0	0	0
Tamil Nadu Total			2	0	0	0
Telangana	Hyderabad	Bhagyanagar Gas Limited	62	121,396	17	42
	Medak, Siddipet & Sangareddy Districts	Torrent Gas Private Limited	12	0	0	0
Telangana Total			74	121,396	17	42
Tripura	Agartala	Tripura Natural Gas Company Limited	5	42,276	491	60
	Gomati District	Tripura Natural Gas Company Limited	3	0	0	0
	West Tripura (EAAA) District	Tripura Natural Gas Company Limited	3	5,923	0	0
Tripura Total			11	48,199	491	60
Uttar Pradesh	Agra	Green Gas Limited	23	72,651	61	17
	Allahabad	Indian-Oil Adani Gas Private Limited	6	35,949	23	4
	Allahabad District (EAAA), Bhadohi & Kaushambi Districts	Indian-Oil Adani Gas Private Limited	9	297	0	0
	Amethi, Pratappgarh & Raebareilly Districts	Bharat Gas Resources Limited	3	1,522	0	0
	Auraiya, Kanpur Dehat & Etawah Districts	Torrent Gas Private Limited	14	0	0	0
	Azamgarh, Mau and Ballia Districts	Torrent Gas Private Limited	3	0	0	0
	Bagpat District	Bagpat Green Energy Private Limited	3	0	0	0
	Bareilly	Central UP Gas Limited	14	29,398	122	23
	Bareilly (EAAA) District, Pilibhit and Rampur Districts	Hindustan Petroleum Corporation Limited	4	0	0	0

State/Union Territory	Geographical Area/CGD Networks	Authorized CGD Entity	CNG stations	PNG connections		
				Domestic	Commercial	Industrial
Uttar Pradesh	Basti and Ambedkarnagar Districts	Torrent Gas Private Limited	3	0	0	0
	Bulandshahr (part) District	Indian-Oil Adani Gas Private Limited	4	0	0	0
	Bulandshahr District (EAAA), Aligarh & Hathras Districts	Indian-Oil Adani Gas Private Limited	4	0	0	0
	Faizabad & Sultanpur Districts	Green Gas Limited	2	0	0	0
	Farrukhabad, Etah and Hardoi Districts	Hindustan Petroleum Corporation Limited	4	0	0	0
	Gautam Budh Nagar District	Indraprastha Gas Limited	49	248,867	600	860
	Ghaziabad & Hapur Districts	Indraprastha Gas Limited	53	235,291	292	373
	Gonda and Barabanki Districts	Torrent Gas Private Limited	6	0	0	0
	Jaunpur and Ghazipur Districts	Indian-Oil Adani Gas Private Limited	2	0	0	0
	Jhansi	Central UP Gas Limited	4	533	0	0
	Kanpur	Central UP Gas Limited	30	73,586	213	76
	Kanpur (EAAA) District, Fatehpur and Hamirpur Districts	Indraprastha Gas Limited	5	10,736	0	0
	Khurja	Adani Gas Limited	4	6,206	5	232
	Lucknow	Green Gas Limited	34	61,398	57	11
	Mainpuri and Kannauj Districts	Hindustan Petroleum Corporation Limited	3	0	0	0
	Mathura	Sanwariya Gas Limited	11	4,585	39	77
	Meerut	GAIL Gas Limited	17	47,815	41	59
	Meerut District (EAAA), Muzaffarnagar & Shamli Districts	Indraprastha Gas Limited	10	14,997	3	0
	Mirzapur, Chandauli and Sonbhadra Districts	GAIL Gas Limited	1	56	0	0
	Moradabad	Torrent Gas Moradabad Limited	5	9,140	12	78
	Moradabad (EAAA) District	Torrent Gas Private Limited	9	513	0	1
	Saharanpur District	Bharat Petroleum Corporation Limited	5	8,634	0	0
	Shahjahanpur and Budaun Districts	Hindustan Petroleum Corporation Limited	3	0	0	0
	Unnao (EAAA) District	Green Gas Limited	1	0	0	0
	Varanasi District	GAIL (India) Limited	10	29,909	29	0
	Gorakhpur, Sant Kabir Nagar & Kushinagar Districts	Torrent Gas Private Limited	12	0	0	0
	Uttar Pradesh Total			370	892,083	1,497
Uttar Pradesh & Rajasthan	Firozabad (Taj Trapezium Zone)	GAIL Gas Limited	25	17,063	1	341
Uttar Pradesh & Rajasthan Total			25	17,063	1	341
Uttar Pradesh and Uttrakhand	Bijnor and Nainital Districts	Hindustan Petroleum Corporation Limited	4	0	0	0
Uttar Pradesh and Uttrakhand Total			4	0	0	0
Uttrakhand	Dehradun District	GAIL Gas Limited	4	5,235	0	0
	Haridwar District	Haridwar Natrural Gas Private Limited	4	20,190	0	0
	Udham Singh Nagar District	Indian-Oil Adani Gas Private Limited	5	10,196	33	35
Uttrakhand Total			13	35,621	33	35
West Bengal	Burdwan District	Indian-Oil Adani Gas Private Limited	7	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
West Bengal Total			17	0	0	0
Grand Total			2,713	7,419,147	32,059	11,010

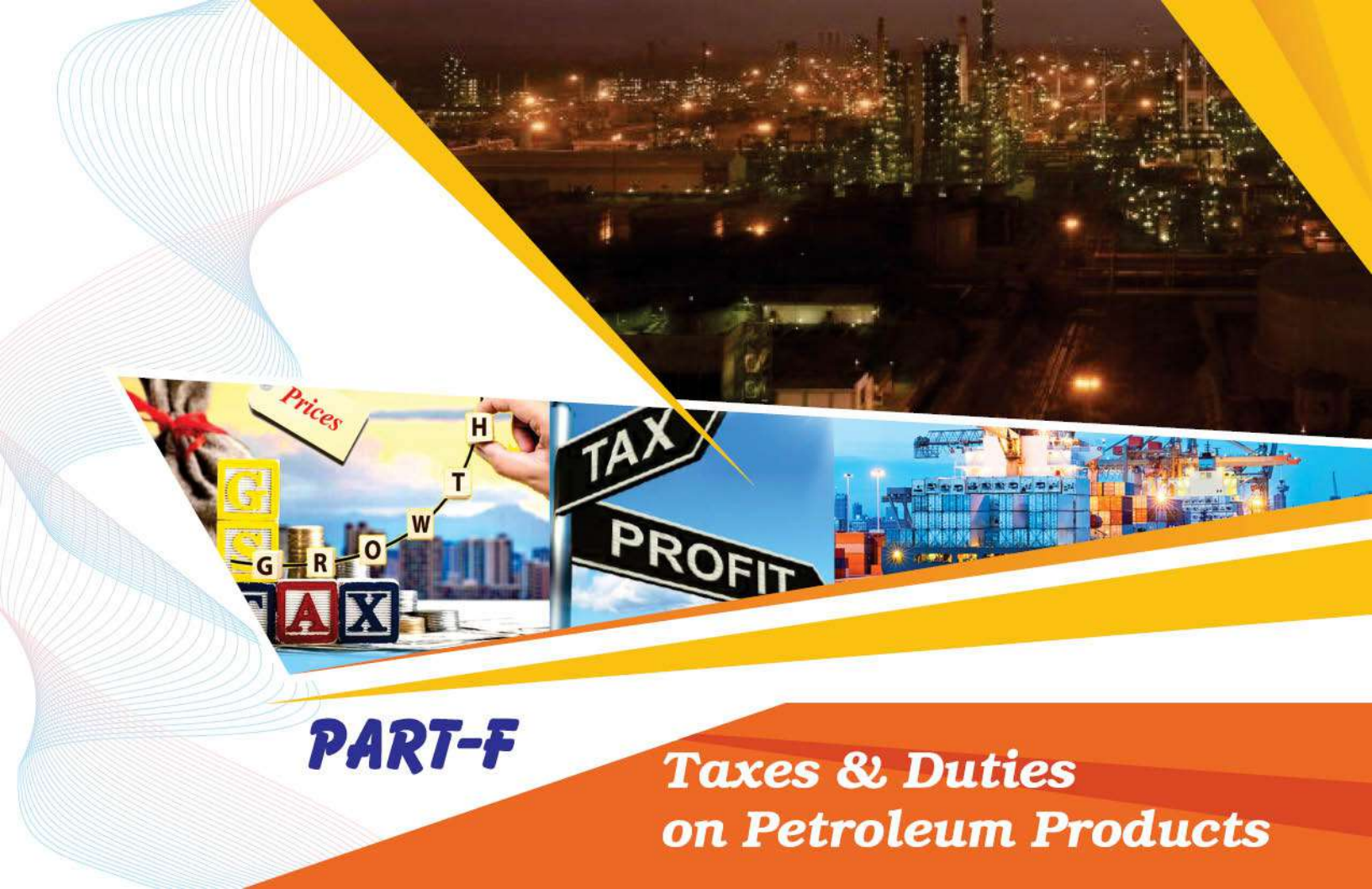
Source- PNGRB & GEECL

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



PART-F

Taxes & Duties on Petroleum Products

25. 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	Feb-21	Particulars	Petrol*	Diesel*
Crude oil (Indian Basket)	69.88	60.47	61.22	Price charged to dealers (excluding Excise Duty and VAT)	33.54	35.22
Petrol	75.58	66.94	66.36	Excise Duty	32.90	31.80
Diesel	82.51	71.78	66.29	Dealers' Commission (Average)	3.69	2.51
Kerosene	82.24	70.56	63.61	VAT (incl VAT on dealers' commission)	21.04	11.94
LPG (\$/MT)	526.00	453.75	593.00	Retail Selling Price	91.17	81.47
FO (\$/MT)	420.93	321.19	357.16			
Naphtha (\$/MT)	573.72	471.08	544.54			
Exchange (Rs./\$)	69.89	70.88	72.76			
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 [^]	**	Price before taxes and dealers'/distributors' commission	31.08	718.16
Diesel	2.50%	Rs 31.80/Ltr [^]	**	Dealers'/distributors' commission	2.59	61.84
PDS SKO	Nil	Not Applicable	5.00%	GST (incl GST on dealers'/distributors' commission)	1.68	39.00
Non-PDS SKO	5.00%		18.00%	Retail Selling Price	35.35	819.00
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% [^]		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; [^]Effective 02.02.2021.

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

25. 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
Total	6,048	1,875	0

#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
Total	31,539	22,726	3,409

^ 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%	
Total (Rs. Crores)	5,75,632	5,55,370	4,21,381

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

26. Capital expenditure of PSU oil companies

(Rs in crores)

Company	2017-18	2018-19	2019-20	2020-21 (P)	
				Target	Apr-Feb
ONGC Ltd	72,383	28,738	30,115	32,502	22,781
ONGC Videsh Ltd (OVL)	6,240	6,013	5,363	7,235	5,111
Oil India Ltd (OIL)	8,395	3,702	3,724	3,877	3,410
GAIL (India) Ltd	3,613	5,958	4,381	5,412	4,479
Indian Oil Corp. Ltd. (IOCL)	20,345	26,548	28,316	26,233	22,686
Hindustan Petroleum Corp. Ltd (HPCL)	7,134	11,689	13,773	11,500	10,206
Bharat Petroleum Corp. Ltd (BPCL)	8,161	10,084	10,255	9,000	7,411
Mangalore Refinery & Petrochem Ltd (MRPL)	1,281	1,072	1,318	1,150	2,103
Chennai Petroleum Corp. Ltd (CPCL)	963	1,208	969	569	516
Numaligarh Refinery Ltd (NRL)	387	459	536	949	780
Balmer Lawrie Co. Ltd (BL)	78	125	40	35	33
Engineers India Ltd (EIL) #	-	87	164	60	28
Total	1,28,981	95,684	98,955	98,522	79,546

Includes expenditure on investment in JV/subsidiaries.

(P) Provisional;

Included from 2018-19.

27. 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	Energy conversion	
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
Exclusive Economic Zone				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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