

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

Abridged Ready Reckoner

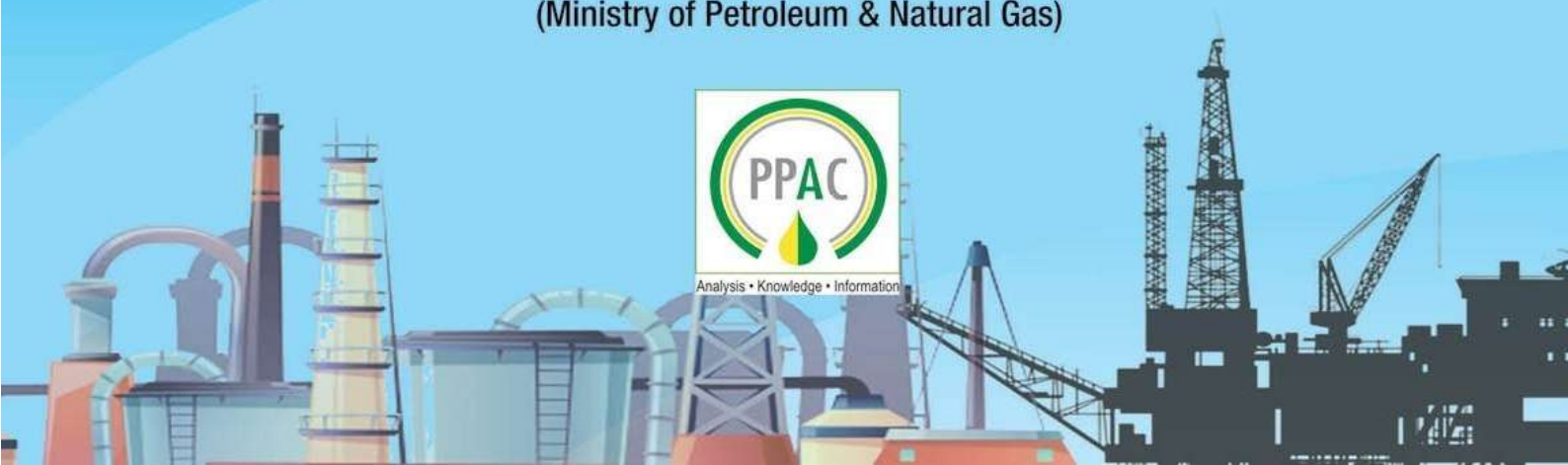
June, 2021

Petroleum Planning & Analysis Cell

(Ministry of Petroleum & Natural Gas)



Analysis • Knowledge • Information



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As on 19.07.2021

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

The PPAC's Snapshot of India's Oil & Gas data (Abridged Ready Reckoner) provides a comprehensive compilation of the latest data/information in a single volume for the latest month and historical time series. The Snapshot of India's Oil & Gas data is also published on PPAC's website (www.ppac.gov.in) 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 during April-June 2021 with a volume of 48.5 MMT reported a growth of 18.8% compared to the volume of 40.8 MMT during the same period of the previous year. Except SKO all other petroleum products reported a growth in consumption during April-June 2021 compared to the same period of the previous year. The consumption of petroleum products during June 2021 recorded a growth of 1.5% compared to the same period of the previous year.
- Ethanol blending with Petrol was 9.1% during June 2021 and cumulative during December 2020- June 2021 was 7.9%.
- Total consumption of natural gas (including internal consumption) for the month of June 2021 was 5030 MMSCM which was 0.4% lower than the corresponding month of the previous year. The cumulative consumption of 15515 MMSCM for the current year till June 2021 was higher by 14.7% compared with the corresponding period of the previous year.
- Indigenous crude oil and condensate production during June 2021 was lower by 1.8 % than that of June 2020 as compared to a de-growth of 6.3% during May 2021. OIL registered a growth of 2.0 % and ONGC registered a de-growth of 2.7 % during June 2021 as compared to June 2020. PSC registered de-growth of 0.7 % during June 2021 as compared to June 2020. De-growth of 3.4 % was registered in the total crude oil and condensate production during April- June 2021 over the corresponding period of the previous year.
- Crude oil processed during June 2021 was 18.4 MMT, which was 4.9 % higher than June 2020 as compared to a growth of 16.0 % during May 2021. Growth of 17.7 % was registered in the total crude oil processing during April- June 2021 over the corresponding period of the previous year.
- Production of petroleum products saw a growth of 2.4 % during June 2021 over June 2020 as compared to a growth of 15.5 % during May 2021. Growth of 15.4 % was registered in the total POL production during April- June 2021 over the corresponding period of the previous year.

<ul style="list-style-type: none"> Gross production of natural gas for the month of June 2021 was 2777 MMSCM which was higher by 19.5% compared with the corresponding month of the previous year. The cumulative gross production of natural gas of 8169 MMSCM for the current financial year till June, 2021 was higher by 20.4% compared with the corresponding period of the previous year.
<ul style="list-style-type: none"> Crude oil imports increased by 16.5% and 14.7% during June 2021 and April-June 2021 respectively as compared to the corresponding period of the previous year.
<ul style="list-style-type: none"> POL products imports increased by 6.2% and decreased by 2.1% during June 2021 and April-June 2021 respectively as compared to the corresponding period of the previous year. Decrease in POL products imports during April-June 2021 was due to decrease in imports of petcoke, liquified petroleum gas (LPG), high speed diesel (HSD) and aviation turbine fuel (ATF).
<ul style="list-style-type: none"> LNG import for the month of June, 2021(P) was 2316 MMSCM which was 17.3% lower than the corresponding month of the previous year. The cumulative import of 7558 MMSCM for the current year till June, 2021 was higher by 8% compared with the corresponding period of the previous year.
<ul style="list-style-type: none"> Exports of POL products increased by 15% and decreased by 9.1% during June 2021 and April-June 2021 respectively as compared to the corresponding period of the previous year. Decrease in POL products exports during April-June 2021 (P) was due to decrease in exports of high speed diesel (HSD), petcoke/CBFS, naphtha, fuel oil (FO) and LOBS/Lube oil.
<ul style="list-style-type: none"> The price of Brent Crude averaged \$73.04/bbl during June, 2021 as against \$68.75/bbl during May 2021 and \$40.07/bbl during June 2020. The Indian basket crude price averaged \$71.98/bbl during June 2021 as against \$66.95/bbl during May 2021 and \$40.63 /bbl during June 2020.



PART-A

Economic Indicators

1. Selected indicators of the Indian economy

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

Economic indicators		Unit/ Base	2019-20	2020-21 (P)	June		April-June	
					2020-21 (P)	2021-22 (P)	2020-21 (P)	2021-22 (P)
5	Index of Industrial Production (Base: 2011-12)	Growth %	-0.8	-8.4	-33.4*	29.3* QE	-45.0 [#]	68.8 [#]
6	Imports	\$ Billion	474.7	393.6	21.1	41.9	60.4	126.2
7	Exports	\$ Billion	313.4	291.2	21.9	32.5	51.3	95.4
8	Trade Balance	\$ Billion	-161.3	-102.4	0.8	-9.4	-9.1	-30.8
9	Foreign Exchange Reserves [@]	\$ Billion	475.6	579.3	506.8	609.0	-	-

IIP is for the month of *May and [#]Apr-May; [@]2019-20-as on March 27, 2019, 2020-21-as on March 26, 2021, June 2020- as on June 26, 2020 and June 2021-as on June 25, 2021; PE: Provisional Estimates; AE-Advanced Estimates; RE-Revised Estimates; QE-Quick Estimates.

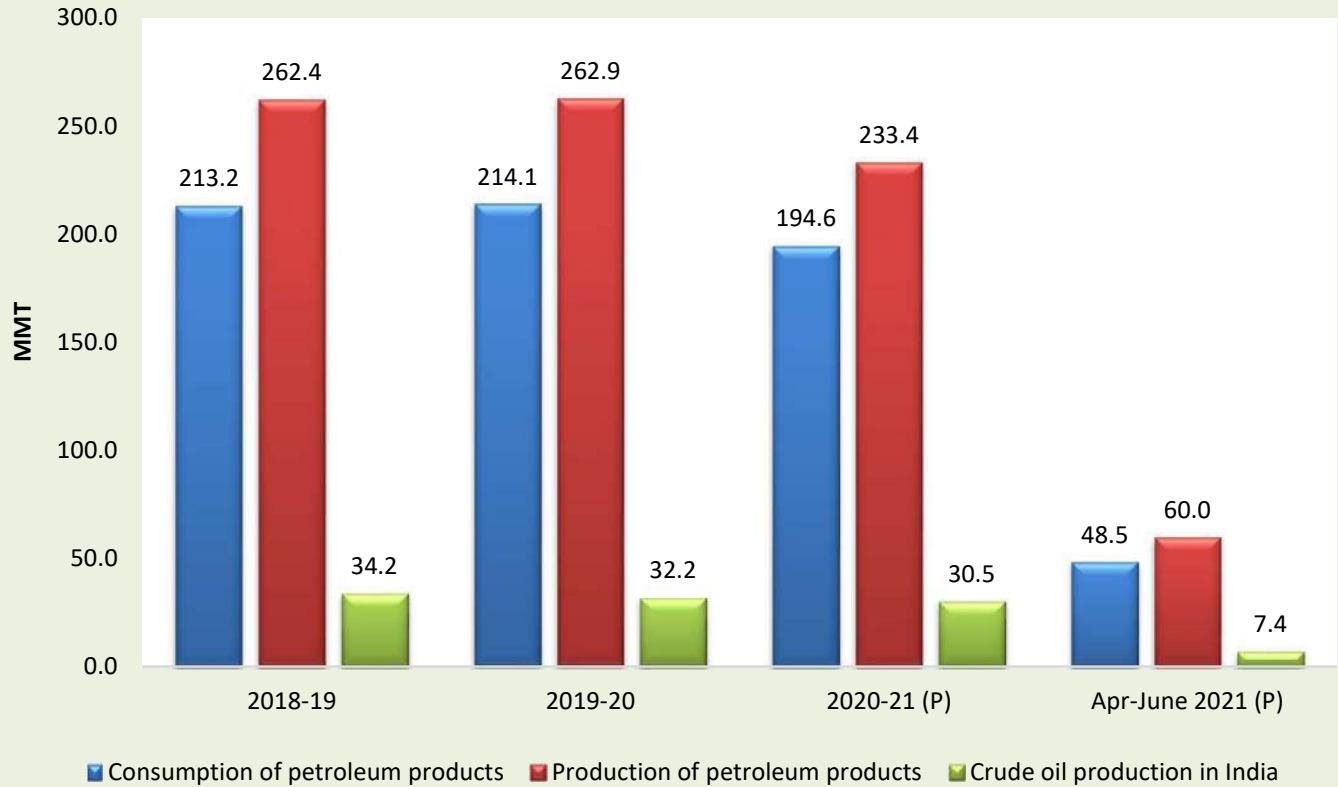
Source: Ministry of Commerce & Industry, Ministry of Statistics and Programme Implementation, Ministry of Agriculture & Farmer's Welfare, Ministry of Finance, Reserve Bank of India

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

Details		Unit/ Base	2019-20	2020-21 (P)	June		April-June	
					2020-21 (P)	2021-22 (P)	2020-21 (P)	2021-22 (P)
1	Crude oil production in India [#]	MMT	32.2	30.5	2.5	2.5	7.7	7.4
2	Consumption of petroleum products*	MMT	214.1	194.6	16.1	16.3	40.8	48.5
3	Production of petroleum products	MMT	262.9	233.4	18.7	19.2	52.0	60.0
4	Gross natural gas production	MMSCM	31,184	28,672	2,324	2,777	6,785	8,169
5	Natural gas consumption	MMSCM	64,144	60,646	5,050	5,030	13,530	15,515
6	Imports & exports [^] :							
	Crude oil imports	MMT	227.0	198.1	13.7	15.9	44.8	51.4
		\$ Billion	101.4	62.7	3.2	7.9	8.5	24.7
	Petroleum products (POL) imports*	MMT	43.8	43.5	3.4	3.6	10.5	10.3
		\$ Billion	17.7	14.2	0.9	1.4	2.6	3.9
	Gross petroleum imports (Crude + POL)	MMT	270.7	241.6	17.1	19.5	55.3	61.7
		\$ Billion	119.1	76.9	4.2	9.3	11.1	28.6
	Petroleum products (POL) export	MMT	65.7	56.8	4.4	5.1	16.2	14.7
		\$ Billion	35.8	21.4	1.4	3.0	3.9	8.5
	LNG imports*	MMSCM	33,887	32,861	2,800	2,316	6,998	7,558
		\$ Billion	9.5	7.4	0.5	0.7	1.4	2.2
7	Petroleum imports as percentage of India's gross imports (in value terms)	%	25.1	19.5	19.7	22.3	18.4	22.7
8	Petroleum exports as percentage of India's gross exports (in value terms)	%	11.4	7.3	6.6	9.1	7.6	8.9
9	Import dependency of crude (on consumption basis)	%	85.0	84.4	83.0	86.3	81.6	85.7

[#]Includes condensate; *Jul 2020- June 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	2019-20	2020-21 (P)	June			April-June		
			2020-21 (P)	2021-22 Target*	2021-22 (P)	2020-21 (P)	2021-22 Target*	2021-22 (P)
ONGC	19.2	19.1	1.6	1.7	1.5	4.8	5.0	4.6
Oil India Limited (OIL)	3.1	2.9	0.2	0.2	0.2	0.7	0.8	0.7
Private / Joint Ventures (JVs)	8.2	7.1	0.6	0.6	0.6	1.8	1.9	1.8
Total Crude Oil	30.5	29.1	2.4	2.5	2.4	7.3	7.6	7.1
ONGC condensate	1.4	1.1	0.1		0.1	0.3		0.2
PSC condensate	0.3	0.3	0.02		0.03	0.05		0.08
Total condensate	1.6	1.4	0.1		0.1	0.3		0.3
Total (Crude + Condensate) (MMT)	32.2	30.5	2.5	2.5	2.5	7.7	7.6	7.4
Total (Crude + Condensate) (Million Bbl/Day)	0.64	0.61	0.62		0.61	0.62		0.60

*Provisional targets inclusive of condensate.

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

Details	2019-20	2020-21 (P)	June		April-June	
			2020-21 (P)	2021-22 (P)	2020-21 (P)	2021-22 (P)
Total domestic production (MMTOE)	63.4	59.2	4.9	5.3	14.5	15.6
Overseas production (MMTOE)	24.5	21.9	1.8	1.8	5.6	5.4
Overseas production as percentage of domestic production	38.7%	37.0%	37.0%	33.8%	39.0%	34.9%

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

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

Details		2019-20	2020-21 (P)	June		April-June	
				2020-21 (P)	2021-22 (P)	2020-21 (P)	2021-22 (P)
1	High Sulphur crude	192.4	161.3	12.7	13.8	35.5	42.8
2	Low Sulphur crude	62.0	60.5	4.8	4.6	13.2	14.4
Total crude processed (MMT)		254.4	221.8	17.5	18.4	48.6	57.3
Total crude processed (Million Bbl/Day)		5.09	4.45	4.28	4.50	3.92	4.61
Percentage share of HS crude in total crude oil processing		75.6%	72.7%	72.4%	75.0%	72.9%	74.8%

6. Quantity and value of crude oil imports

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

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

Particulars		2019-20	2020-21 (P)	June		April-June	
				2020-21 (P)	2021-22 (P)	2020-21 (P)	2021-22 (P)
1	Indigenous crude oil processing	29.3	28.0	2.5	2.1	7.0	6.3
2	Products from indigenous crude (93.3% of crude oil processed)	27.3	26.1	2.4	1.9	6.5	5.9
3	Products from fractionators (Including LPG and Gas)	4.8	4.2	0.4	0.3	1.0	1.0
4	Total production from indigenous crude & condensate (2 + 3)	32.1	30.3	2.7	2.2	7.5	6.9
5	Total domestic consumption	214.1	194.6	16.1	16.3	40.8	48.5
% Self-sufficiency (4 / 5)		15.0%	15.6%	17.0%	13.7%	18.4%	14.3%

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

Company	Refinery	Installed capacity (1.7.2021) MMTPA	Crude oil processing (MMT)							
			2019-20	2020-21 (P)	June			April-June		
					2020-21 (P)	2021-22 (Target)	2021-22 (P)	2020-21 (P)	2021-22 (Target)	2021-22 (P)
IOCL	Barauni (1964)	6.0	6.5	5.5	0.5	0.3	0.4	1.1	1.4	1.4
	Koyali (1965)	13.7	13.1	11.6	1.0	1.2	1.1	2.4	3.6	3.1
	Haldia (1975)	8.0	6.5	6.8	0.5	0.7	0.6	1.2	2.1	1.9
	Mathura (1982)	8.0	8.9	8.9	0.8	0.7	0.7	2.0	2.3	2.2
	Panipat (1998)	15.0	15.0	13.2	1.2	1.3	1.2	2.5	3.9	3.7
	Guwahati (1962)	1.0	0.9	0.8	0.06	0.0	0.0	0.09	0.0	0.1
	Digboi (1901)	0.65	0.7	0.6	0.06	0.06	0.06	0.2	0.2	0.2
	Bongaigaon(1979)	2.35	2.0	2.5	0.2	0.2	0.2	0.6	0.6	0.7
	Paradip (2016)	15.0	15.8	12.5	1.2	1.3	1.0	2.9	3.9	3.4
	IOCL-TOTAL	69.7	69.4	62.4	5.6	5.8	5.4	12.9	18.1	16.7
CPCL	Manali (1969)	10.5	10.2	8.2	0.6	0.9	0.6	1.3	1.9	2.0
	CBR (1993)	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	CPCL-TOTAL	11.5	10.2	8.2	0.6	0.9	0.6	1.3	1.9	2.0
BPCL	Mumbai (1955)	12.0	15.0	12.9	1.0	1.2	1.0	2.6	3.6	3.4
	Kochi (1966)	15.5	16.5	13.3	0.9	1.4	1.0	2.4	4.3	3.3
BORL	Bina (2011)	7.8	7.9	6.2	0.4	0.4	0.4	1.2	1.7	1.6
NRL	Numaligarh (1999)	3.0	2.4	2.7	0.2	0.2	0.2	0.6	0.6	0.6
	BPCL-TOTAL	38.3	41.8	35.1	2.5	3.3	2.7	6.9	10.2	8.9

Company	Refinery	Installed capacity (1.7.2021) (MMTPA)	Crude oil processing (MMT)							
			2019-20	2020-21 (P)	June			Apr-June		
					2020-21 (P)	2021-22 (Target)	2021-22 (P)	2020-21 (P)	2021-22 (Target)	2021-22 (P)
ONGC	Tatipaka (2001)	0.066	0.087	0.081	0.007	0.005	0.006	0.016	0.014	0.020
MRPL	Mangalore (1996)	15.0	14.0	11.5	0.6	1.2	1.0	1.9	3.2	3.1
	ONGC-TOTAL	15.1	14.0	11.6	0.6	1.2	1.0	1.9	3.2	3.1
HPCL	Mumbai (1954)	7.5	8.1	7.4	0.7	0.3	0.3	1.7	0.6	0.5
	Visakh (1957)	8.3	9.1	9.1	0.7	0.8	0.5	2.2	2.4	2.0
HMEL	Bathinda (2012)	11.3	12.2	10.1	0.8	0.9	1.1	2.0	2.7	3.2
	HPCL- TOTAL	27.1	29.4	26.5	2.2	2.0	1.8	6.0	5.8	5.7
RIL	Jamnagar (DTA) (1999)	33.0	33.0	34.1	2.6	2.6	2.7	8.2	8.2	8.3
	Jamnagar (SEZ) (2008)	35.2	35.9	26.8	2.0	2.0	2.5	7.1	7.1	7.5
NEL	Vadinar (2006)	20.0	20.6	17.1	1.4	1.4	1.6	4.4	4.4	5.0
All India (MMT)		249.9	254.4	221.8	17.5	19.2	18.4	48.6	58.9	57.3
All India (Million Bbl/Day)		5.02	5.09	4.45	4.28		4.50	3.92		4.61

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 01.07.2021)









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			47.5	19.5	34.1	9.4	112.2

*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.

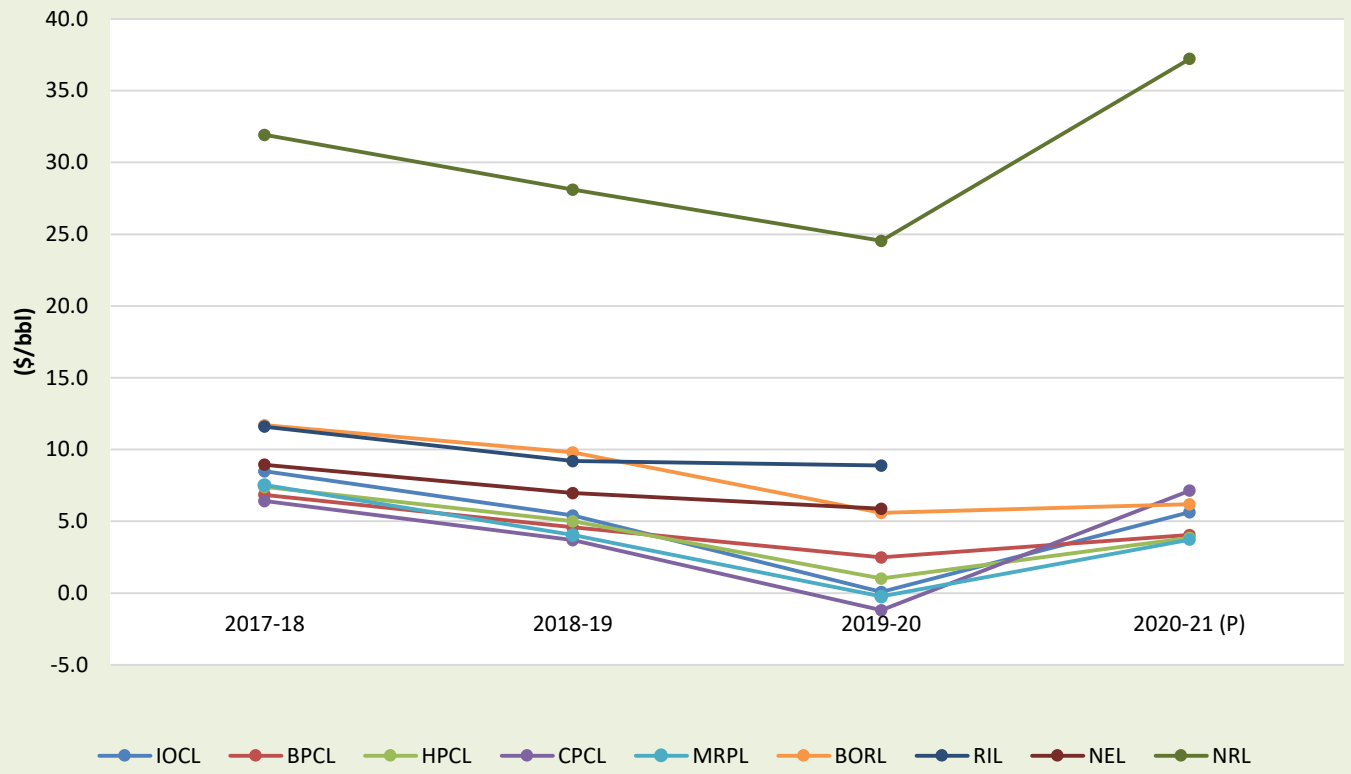
10. Gross Refining Margins (GRM) of refineries (\$/bbl)

Company	Refinery	2017-18	2018-19	2019-20	2020-21 (P)
IOCL	Barauni	6.60	3.86	-1.24	3.98
	Koyali	9.44	4.87	1.90	2.83
	Haldia	6.86	5.36	-2.44	4.10
	Mathura	7.09	4.65	-1.02	5.03
	Panipat	7.74	4.66	-0.25	3.23
	Guwahati **	21.88	16.35	14.22	31.87
	Digboi **	24.86	22.74	17.52	28.62
	Bongaigaon **	20.62	16.94	10.49	28.89
	Paradip	7.02	4.46	-1.80	5.35
	Weighted average	8.49	5.41	0.08	5.64
BPCL	Kochi	6.44	4.27	2.17	4.36
	Mumbai	7.26	4.92	2.88	3.76
	Weighted average	6.85	4.58	2.50	4.06
HPCL	Mumbai	8.35	5.79	3.63	4.10
	Visakhapatnam	6.55	4.31	-1.30	3.67
	Weighted average	7.40	5.01	1.02	3.86
CPCL	Chennai	6.42	3.70	-1.18	7.14
MRPL	Mangalore	7.54	4.06	-0.23	3.71
NRL	Numaligarh **	31.92	28.11	24.55	37.23
BORL	Bina	11.70	9.80	5.60	6.20
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;

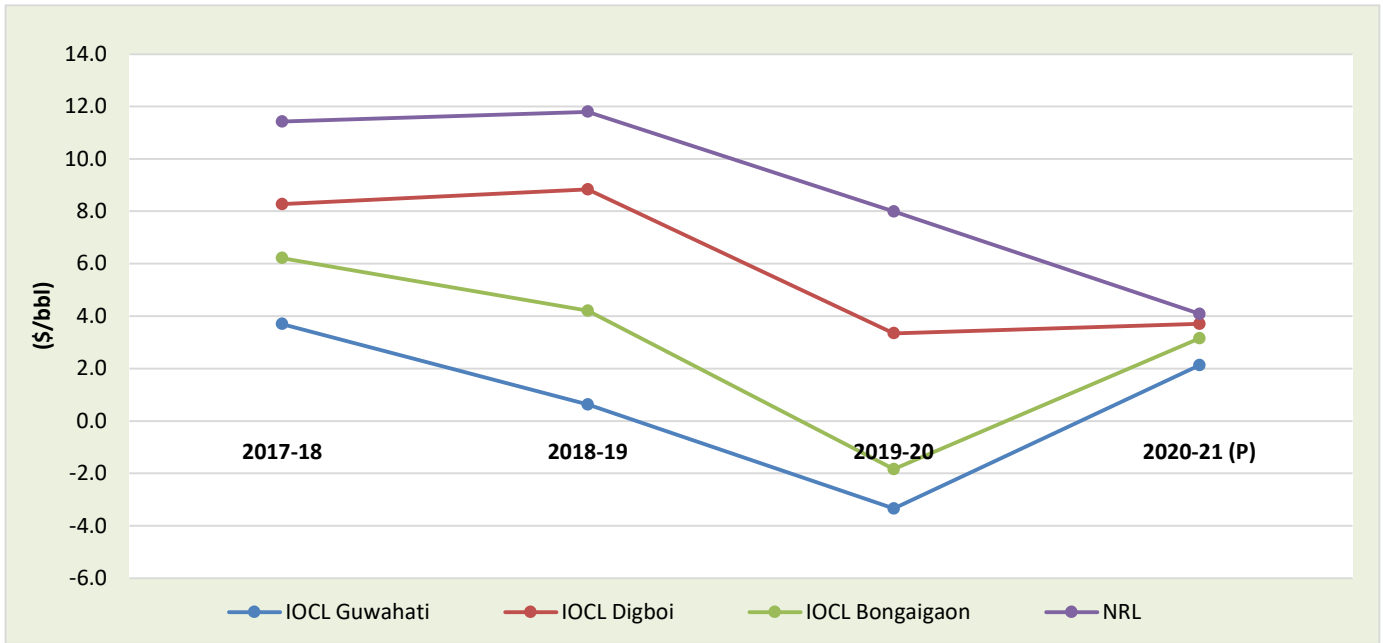
@Nayara Energy Limited (formerly Essar Oil Limited)

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	2020-21 (P)
IOCL	Guwahati	3.70	0.63	-3.34	2.13
	Digboi	8.27	8.84	3.35	3.71
	Bongaigaon	6.22	4.21	-1.84	3.15
NRL	Numaligarh	11.43	11.80	7.99	4.09





PART-C

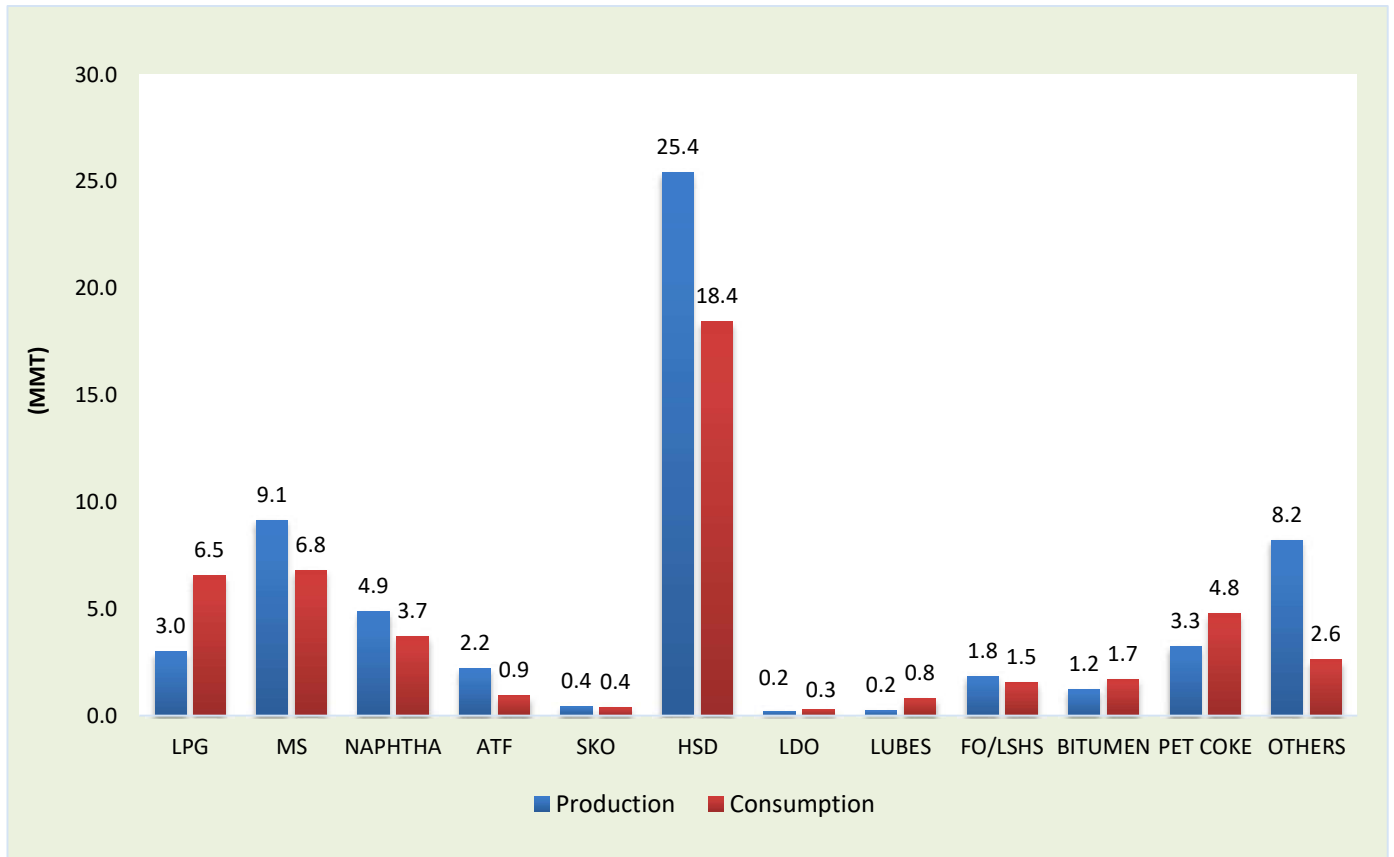
Consumption

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

Products	2019-20		2020-21 (P)		June 2020 (P)		June 2021 (P)		Apr-Jun 2020 (P)		Apr-Jun 2021 (P)	
	Prod	Cons	Prod	Cons	Prod	Cons	Prod	Cons	Prod	Cons	Prod	Cons
LPG	12.8	26.3	12.1	27.6	1.0	2.1	0.9	2.3	2.9	6.5	3.0	6.5
MS	38.6	30.0	35.8	28.0	2.9	2.3	2.8	2.4	7.3	5.0	9.1	6.8
NAPHTHA	20.6	14.3	19.4	14.3	1.4	1.2	1.6	1.2	4.4	3.0	4.9	3.7
ATF	15.2	8.0	7.1	3.7	0.4	0.2	0.7	0.3	1.3	0.4	2.2	0.9
SKO	3.2	2.4	2.3	1.8	0.2	0.2	0.1	0.1	0.6	0.5	0.4	0.4
HSD	111.1	82.6	100.4	72.7	8.0	6.3	8.3	6.2	22.0	15.0	25.4	18.4
LDO	0.6	0.6	0.7	0.8	0.06	0.1	0.08	0.1	0.1	0.2	0.2	0.3
LUBES	0.9	3.8	1.1	3.5	0.1	0.2	0.1	0.3	0.2	0.6	0.2	0.8
FO/LSHS	9.3	6.3	8.2	6.0	0.8	0.5	0.6	0.5	2.3	1.3	1.8	1.5
BITUMEN	4.9	6.7	4.9	7.1	0.5	0.8	0.3	0.5	0.9	1.5	1.2	1.7
PET COKE	14.6	21.7	12.0	18.3	1.0	1.4	1.1	1.6	3.0	4.7	3.3	4.8
OTHERS	31.0	11.4	29.5	10.8	2.5	0.8	2.6	0.8	7.0	2.2	8.2	2.6
ALL INDIA	262.9	214.1	233.4	194.6	18.7	16.1	19.2	16.3	52.0	40.8	60.0	48.5
Growth (%)	0.2%	0.4%	-11.2%	-9.1%	-8.9%	-9.0%	2.4%	1.5%	-18.2%	-26.1%	15.4%	18.8%

Note: Prod - Production; Cons - Consumption

Petroleum Products: April-June 2021 (P) (MMT)



13. Kerosene allocation vs upliftment (Kilo Litres)

Product	2018-19		2019-20		2020-21 (P)		2021-22 (P)*	
	Allocation	Upliftment	Allocation	Upliftment	Allocation	Upliftment	Allocation	Upliftment
PDS Kerosene	44,32,994	41,52,112	31,21,328	27,93,217	23,15,008	20,38,790	4,47,756	4,25,655

* Allocation and upliftment are for for Q1, 2021-22.

14. Ethanol blending programme

Particulars	Ethanol Supply Year *				
	2017-18	2018-19	2019-20	2020-21 (P)	
				Jun-21	Dec'20-Jun'21
Ethanol received by PSU OMCs under EBP Program (in Cr. Litrs)	150.5	188.6	173.0	27.5	180.0
Average Percentage of Blending Sales (EBP%)	4.2%	5.0%	5.0%	9.1%	7.9%

*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 01.07.2021) (Provisional)

Particulars	IOCL	BPCL	HPCL	RIL/RBML*	NEL	SHELL	Others	Total
POL Terminal/ Depots (Nos.) [§]	118	80	80	18	3	-	6	305
Aviation Fuel Stations (Nos.) [@]	121	61	46	31	-	-	1	260
Retail Outlets (total) (Nos.) [^]	32,303	18,766	18,776	1,422	6,152	270	20	77,709
out of which Rural ROs	10,035	4,320	4,589	127	1,960	60	3	21,094
SKO/LDO agencies (Nos.)	3,871	930	1,638	-	-	-	-	6,439
LPG Distributors (total) (Nos.) (PSUs only)	12,750	6,169	6,197	-	-	-	-	25,116
LPG Bottling plants (Nos.) (PSUs only) [#]	92	53	51	-	-	-	3	199
LPG Bottling capacity (TMTPA) (PSUs only) ^{&}	10,304	4,920	5,912	-	-	-	173	21,309
LPG active domestic consumers (Nos. crore) (PSUs only)	13.7	7.5	8.0	-	-	-	-	29.2

[§](Others=4 MRPL & 2 NRL); [@](Others=ShellMRPL); [^](Others=MRPL); [#](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	2019-20	2020-21 (P)	June			April-June		
			2020-21 (P)	2021-22 (P)	Gr (%)	2020-21 (P)	2021-22 (P)	Gr (%)
1. PSU Sales :								
LPG-Packed Domestic	23,076.0	25,117.1	1,922.5	2,045.9	6.4	6,172.6	6,005.7	-2.7
LPG-Packed Non-Domestic	2,614.4	1,884.9	102.3	159.5	55.9	226.9	396.6	74.8
LPG-Bulk	263.5	355.5	23.3	37.5	61.3	46.9	84.5	80.1
Auto LPG	171.9	118.3	8.5	8.1	-5.2	14.3	22.0	53.4
Sub-Total (PSU Sales)	26,125.7	27,475.7	2,056.6	2,251.0	9.5	6,460.7	6,508.7	0.7
2. Direct Private Imports*	204.0	114.8	6.0	11.9	97.7	8.0	35.6	343.4
Total (1+2)	26,329.8	27,590.5	2,062.6	2,262.9	9.7	6,468.7	6,544.3	1.2

*Jul 2020-Jun 2021 DGCIS data prorated

17. LPG marketing at a glance

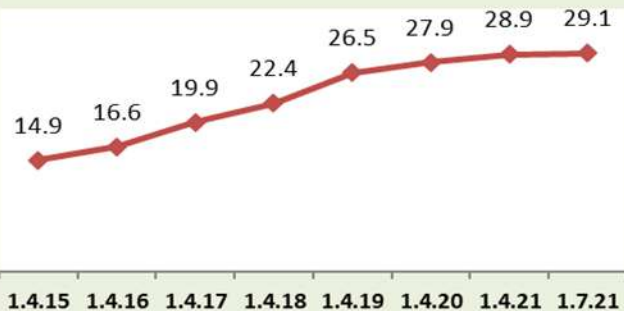
Particulars (As on 1st of April)	Unit	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021 (P)	1.7.2021 (P)
LPG Active Domestic Customers	(Lakh)						1486	1663	1988	2243	2654	2787	2895	2911
	Growth							11.9%	19.6%	12.8%	18.3%	5.0%	3.9%	3.5%
LPG Coverage (Estimated)	(Percent)						56.2	61.9	72.8	80.9	94.3	97.5	99.8	#99.8
	Growth							10.1%	17.6%	11.1%	16.5%	3.4%	2.3%	1.8%
PMUY Beneficiaries	(Lakh)								200	356	719	802	800.4	800.3
	Growth									77.7%	101.9%	11.5%	-0.2%	-0.2%
LPG Distributors	(No.)	9686	10541	11489	12610	13896	15930	17916	18786	20146	23737	24670	25083	25116
	Growth	3.4%	8.8%	9.0%	9.8%	10.2%	14.6%	12.5%	4.9%	7.2%	17.8%	3.9%	1.7%	1.5%
Auto LPG Dispensing Stations	(No.)	536	604	652	667	678	681	676	675	672	661	657	651	650
	Growth	19.9%	12.7%	7.9%	2.3%	1.6%	0.4%	-0.7%	-0.1%	-0.4%	-1.6%	-0.6%	-0.9%	-1.1%
Bottling Plants	(No.)	182	183	184	185	187	187	188	189	190	192	196	200	199
	Growth	0.0%	0.5%	0.5%	0.5%	1.1%	0.0%	0.5%	0.5%	0.5%	1.1%	2.1%	2.0%	2.1%

Source: PSU OMCs (IOCL, BPCL and HPCL);

Note: Growth rates as on 1.7.2021 are w.r.t. figures as on 1.7.2020. All growth rates as on 1 April of any year are w.r.t. figures as on 1 April of previous year;

LPG coverage figure pertains to 01.04.2021 as the methodology used for estimating LPG coverage by PSU OMC's is under review.

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



Growth trend in LPG coverage



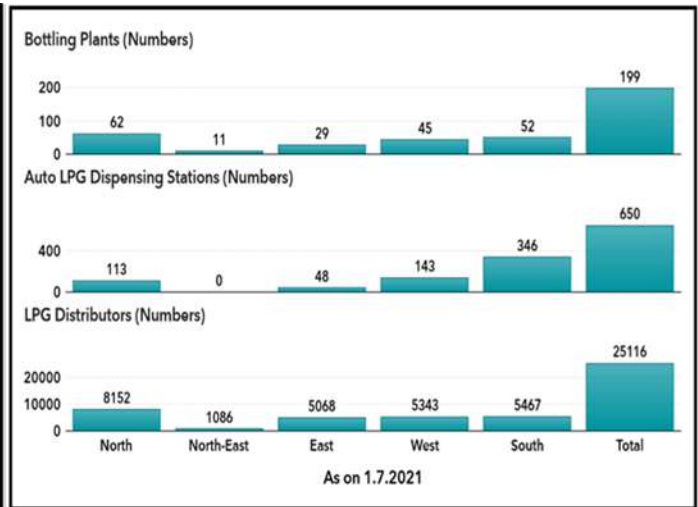
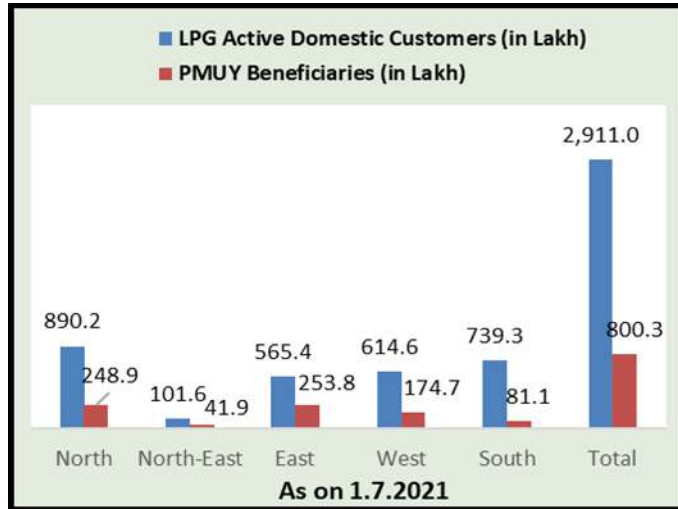
Growth trend in LPG distributors



18-Region-wise data on LPG marketing (As on 01.07.2021)

Particulars	North	North-East	East	West	South	Total
LPG Active Domestic Customers (in Lakh)	890.2	101.6	565.4	614.6	739.3	2911.0
LPG Coverage (Estimated) #	114.1%	93.1%	86.1%	90.1%	107.3%	99.8%
PMUY Beneficiaries (in Lakh)	248.9	41.9	253.8	174.7	81.1	800.3
LPG Distributors (Numbers)	8152	1086	5068	5343	5467	25116
Auto LPG Dispensing Stations (Numbers)	113	0	48	143	346	650
Bottling Plants* (Numbers)	62	11	29	45	52	199

*Includes Numaligarh BP, Duliajan BP and CPCL BP. #LPG Coverage taken as of 1.4.2021 as the methodology adopted by PSU OMCs for calculating LPG coverage is under review.





PART-E

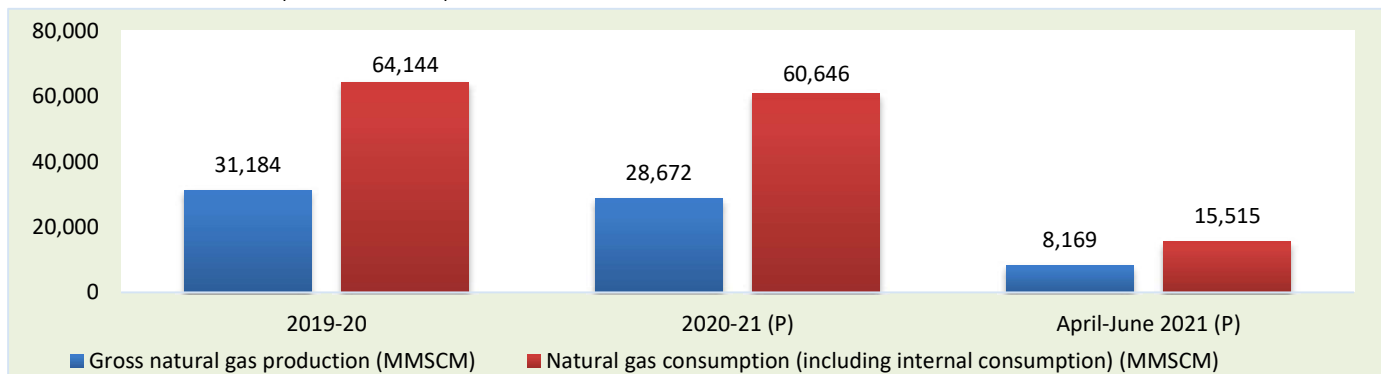
Natural Gas

19. Natural gas at a glance

(MMSCM)

Details	2019-20	2020-21 (P)	June			April-June		
			2020-21 (P)	2021-22 (Target)	2021-22 (P)	2020-21 (P)	2021-22 (Target)	2021-22 (P)
(a) Gross production	31,184	28,672	2,324	2,931	2,777	6,785	8,467	8,169
- ONGC	23,746	21,872	1,819	1,908	1,685	5,351	5,603	5,052
- Oil India Limited (OIL)	2,668	2,480	219	243	230	650	733	675
- Private / Joint Ventures (JVs)	4,770	4,321	286	781	862	785	2,131	2,441
(b) Net production (excluding flare gas and loss)	30,257	27,785	2,250		2,714	6,531		7,957
(c) LNG import [#]	33,887	32,861	2,800		2,316	6,998		7,558
(d) Total consumption including internal consumption (b+c)	64,144	60,646	5,050		5,030	13,530		15,515
(e) Total consumption (in BCM)	64.1	60.6	5.1		5.0	13.5		15.5
(f) Import dependency based on consumption (%), {c/d*100}	52.8	54.2	55.4		46.1	51.7		48.7

#Jul 2020-Jun 2021 DGCIS data prorated; RIL data prorated



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

Prognosticated CBM resources	91.8	TCF
Established CBM resources	10.4	TCF
CBM Resources (33 Blocks)	62.8	TCF
Total available coal bearing areas (India)	32760	Sq. KM
Total available coal bearing areas with MoPNG/DGH	21659	Sq. KM
Area awarded	16613	Sq. KM
Blocks awarded (ST CBM Block awarded twice in CBM Round II and Round IV)	32	Nos.
Exploration initiated (Area considered if any boreholes were drilled in the awarded block)	10669.55	Sq. KM
Production of CBM gas	April-June 2021 (P)	172.09
Production of CBM gas	June 2021 (P)	56.70
		MMSCM
		MMSCM

21. Natural gas pipeline network as on 31.12.2020

Nature of pipeline		GAIL	GSPL	PIL	IOCL	AGCL	RGPL	GGL	DFPCL	ONGC	GIGL	GITL	Others*	Total
Operational	Length	8,241	2,265	1,460	132	105	312	73	42	24				12,654
	Capacity	171.6	43.0	85.0	20.0	2.4	3.5	5.1	0.7	6.0				337.3
Partially commissioned#	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 01.07.2021	% Capacity utilisation (Apr-May 2021)
Dahej	Petronet LNG Ltd (PLL)	17.5 MMTPA	80.2
Hazira	Shell Energy India Pvt. Ltd.	5 MMTPA	50.0
Dabhol	Konkan LNG Limited	*5 MMTPA	100.0
Kochi	Petronet LNG Ltd (PLL)	5 MMTPA	24.7
Ennore	Indian Oil LNG Pvt Ltd	5 MMTPA	16.0
Mundra	GSPC LNG Limited	5 MMTPA	28.6
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 31.05.2021 (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	15	49,777	5	0
	Kakinada	Bhagyanagar Gas Limited	12	58,929	128	2
	Krishna District (EAAA)	Megha Engineering & Infrastructure Limited	15	11,060	94	15
	Vijaywada	Bhagyanagar Gas Limited	30	44,106	55	0
	West Godavari District	Godavari Gas Private Limited	13	51,064	12	1
Andhra Pradesh Total			85	214,936	294	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	285	0	0
	Upper Assam	Assam Gas Company Limited	1	36,716	1,194	408
	Assam Total			1	37,001	1,194
Bihar	Aurangabad, Kaimur & Rohtas Districts	Indian Oil Corporation Limited	1	0	0	0
	Begusarai District	Think Gas Begusarai Private Limited	4	0	0	0
	Patna District	GAIL (India) Limited	9	31,624	11	0
Bihar Total			14	31,624	11	0
Chandigarh (UT), Haryana, Punjab & Himachal Pradesh	Chandigarh	Indian-Oil Adani Gas Private Limited	19	111,841	41	12
Chandigarh (UT), Haryana, Punjab & Himachal Pradesh Total			19	111,841	41	12
Dadra & Nagar Haveli (UT)	UT of Dadra & Nagar Haveli	Gujarat Gas Limited	7	7,589	55	55
Dadra & Nagar Haveli (UT) Total			7	7,589	55	55
Daman & Diu (UT)	UT of Daman	Indian-Oil Adani Gas Private Limited	4	4,831	30	29
Daman & Diu (UT) Total			4	4,831	30	29
Daman and Diu & Gujarat	Diu & Gir Somnath Districts	IRM Energy Private Limited	9	0	1	0
Daman and Diu & Gujarat Total			9	0	1	0
Goa	North Goa District	Goa Natural Gas Private Limited	5	6,338	5	9
	South Goa District	Indian-Oil Adani Gas Private Limited	2	0	0	0
Goa Total			7	6,338	5	9
Gujarat	Ahmedabad City (Only for CNG)	Hindustan Petroleum Corporation Limited	22	-	-	-
	Ahmedabad City and Daskroi Area	Adani Gas Limited	70	424,827	2,876	851
	Ahmedabad District (EAAA)	Gujarat Gas Limited	8	0	0	0
	Amreli District	Gujarat Gas Limited	13	5,318	30	1
	Anand area including Kanjari & Vadtal Villages (in Kheda District)	Charotar Gas Sahakari Mandali Limited	8	35,279	677	143
	Anand District (EAAA)	Gujarat Gas Limited	30	37,746	243	17
	Banaskantha District	IRM Energy Private Limited	30	26,000	113	11
	Barwala & Ranpur Talukas	Adani Gas Limited	3	0	0	0
	Bhavnagar	Gujarat Gas Limited	27	37,867	294	67
	Dahej Vagra Taluka	Gujarat Gas Limited	4	1,121	13	32
	Dahod District	Gujarat Gas Limited	13	2,988	10	21
	Gandhinagar	Gujarat Gas Limited	16	127,724	540	29
	Gandhinagar Mehsana Sabarkantha	Sabarmati Gas Limited	115	209,117	918	369
	Hazira	Gujarat Gas Limited	1	36,550	132	16
	Jamnagar	Gujarat Gas Limited	19	23,704	171	108
	Junagadh District	Torrent Gas Private Limited	12	0	0	0
	Kheda District (EAAA) & Mahisagar District	Adani Gas Limited	13	0	0	0
	Kutch (West)	Gujarat Gas Limited	12	1,929	27	2
	Nadiad	Gujarat Gas Limited	32	64,858	391	20
	Narmada (Rajpipla) District	Gujarat Gas Limited	5	122	0	0
	Navsari	Gujarat Gas Limited	23	105,794	261	55

State/Union Territory	Geographical Area/CGD Networks	Authorized CGD Entity	CNG stations	PNG connections			
				Domestic	Commercial	Industrial	
	Navsari District (EAAA), Surat District (EAAA), Tapi District (EAAA) & the Dangas District	Adani Gas Limited	6	0	0	0	
	Panchmahal District	Gujarat Gas Limited	26	16,828	94	85	
	Patan District	Sabarmati Gas Limited	22	13,358	29	6	
	Porbandar District	Adani Gas Limited	5	0	0	0	
	Rajkot	Gujarat Gas Limited	74	260,079	1,038	1,440	
	Surat, Bharuch, Ankleshwar	Gujarat Gas Limited	109	689,102	9,206	1,014	
	Surendranagar	Gujarat Gas Limited	19	25,385	241	362	
	Surendranagar District (EAAA) & Morbi District (EAAA)	Adani Gas Limited	6	0	0	0	
	Vadodara	Vadodara Gas Limited	20	180,325	2,637	9	
	Vadodara	Adani Gas Limited	6	616	1	88	
	Valsad	Gujarat Gas Limited	25	111,232	369	689	
	Gujarat Total			794	2,437,869	20,311	5,435
	Haryana	Ambala & Kurukshetra Districts	HPOIL Gas Private Limited	8	6,757	0	0
Bhiwani, Charkhi Dabri & Mahendragarh Districts		Adani Gas Limited	12	0	0	0	
Faridabad		Adani Gas Limited	21	62,987	212	395	
Gurugram		Haryana City Gas Distribution Limited	29	22,785	141	178	
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	5	10,972	0	0	
Karnal District		Indraprastha Gas Limited	10	9,951	5	12	
Nuh and Palwal Districts		Adani Gas Limited	12	1,476	4	37	
Panipat District		Indian-Oil Adani Gas Private Limited	11	16,939	12	26	
Rewari District		Indraprastha Gas Limited	15	10,564	55	148	
Rohtak District		Bharat Petroleum Corporation Limited	3	1,441	0	0	
Sonipat		GAIL Gas Limited	18	26,231	42	173	
Sonipat District (EAAA) & Jind District		Hindustan Petroleum Corporation Limited	8	5,075	0	0	
Yamunanagar District		Bharat Petroleum Corporation Limited	4	6,150	0	0	
Gurugram	Indraprastha Gas Limited	14	15,849	87	21		
Haryana Total			175	197,201	558	990	
Haryana & Himachal Pradesh	Panchkula District (EAAA), Sirmaur, Shimla & Solan (EAAA) Districts	Indian-Oil Adani Gas Private Limited	5	0	0	0	
Haryana & Himachal Pradesh Total			5	0	0	0	
Haryana & Punjab	Sirsa, Fatehabad and Mansa (Punjab) Districts	Gujarat Gas Limited	9	0	0	0	
Haryana & Punjab Total			9	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	Bokaro, Hazaribagh & Ramgarh Districts	Indian Oil Corporation Limited	5	0	0	0	
	East Singhbhum District	GAIL (India) Limited	4	15,830	0	0	
	Giridih & Dhanbad Districts	GAIL Gas Limited	7	6,272	0	0	
	Ranchi District	GAIL (India) Limited	4	18,256	0	0	
	Seraikela-Kharsawan District	GAIL Gas Limited	5	2,950	0	0	
Jharkhand Total			25	43,308	0	0	
Karnataka	Ballari & Gadag Districts	Bharat Gas Resources Limited	4	0	0	0	
	Belgaum District	Megha Engineering & Infrastructure Limited	2	13,711	65	23	
	Bengaluru Rural and Urban Districts	GAIL Gas Limited	33	202,305	249	141	
	Bidar District	Bharat Gas Resources Limited	1	0	0	0	
	Chitradurga & Davanagere Districts	Unison Enviro Private Limited	4	0	0	0	
	Dakshina Kannada District*	GAIL Gas Limited	13	8,959	0	0	
	Dharwad District	Indian-Oil Adani Gas Private Limited	5	13,462	5	1	
	Mysuru, Mandya and Chamarajanagar Districts	AGP City Gas Private Limited	2	0	0	0	
Ramanagara District	Maharashtra Natural Gas Limited	7	1,269	0	1		

State/Union Territory	Geographical Area/CGD Networks	Authorized CGD Entity	CNG stations	PNG connections		
				Domestic	Commercial	Industrial
	Tumkur District	Megha Engineering & Infrastructure Limited	0	16,926	100	36
	Udupi District	Adani Gas Limited	2	0	0	0
Karnataka Total			73	256,632	419	202
Kerala	Alapuzha, Kollam and Thiruvananthapuram Districts	AGP City Gas Private Limited	2	0	0	3
	Ernakulam District	Indian-Oil Adani Gas Private Limited	10	42,432	13	9
	Kozhikode & Wayanad Districts	Indian-Oil Adani Gas Private Limited	3	0	0	0
	Malappuram District	Indian-Oil Adani Gas Private Limited	3	0	0	0
	Palakkad & Thrissur Districts	Indian-Oil Adani Gas Private Limited	10	0	0	0
Kerala Total			28	42,432	13	12
Madhya Pradesh	Bhopal & Rajgarh Districts	Think Gas Bhopal Private Limited	16	7	1	1
	Dewas	GAIL Gas Limited	3	13,323	28	42
	Dhar District	Naveriya Gas Private Limited	2	620	14	0
	Guna District	Indian Oil Corporation Limited	1	506	0	0
	Gwalior	Aavantika Gas Limited	21	24,315	44	8
	Gwalior (EAAA) District and Sheopur District	Rajasthan State Gas Limited	2	0	0	0
	Indore (including Ujjain City)	Aavantika Gas Limited	47	62,914	95	236
	Morena District	Indian Oil Corporation Limited	1	0	0	0
	Raisen, Shajapur and Sehore Districts	GAIL Gas Limited	4	44	0	0
	Rewa District	Indian Oil Corporation Limited	3	810	0	0
	Satna & Shandol Districts	Bharat Gas Resources Limited	2	1,580	0	0
	Shivpuri District	Think Gas Bhopal Private Limited	1	0	0	0
	Ujjain (EAAA) District, Dewas (EAAA) District and Indore (EAAA) District	Gujarat Gas Limited	6	0	0	0
Madhya Pradesh Total			109	104,119	182	287
Madhya Pradesh and Rajasthan	Jhabua, Banswara, Ratlam and Dungarpur Districts	Gujarat Gas Limited	13	0	0	0
Madhya Pradesh and Rajasthan Total			13	0	0	0
Madhya Pradesh and Uttar Pradesh	Jhansi (EAAA) District, Bhind, Jalaun, Lalitpur and Datia Districts	Adani Gas Limited	6	0	0	0
Madhya Pradesh and Uttar Pradesh Total			6	0	0	0
Maharashtra	Ahmednagar & Aurangabad Districts	Bharat Gas Resources Limited	13	0	0	0
	Kolhapur District	HPOL Gas Private Limited	6	3,740	0	0
	Latur & Osmanabad Districts	Unison Enviro Private Limited	4	0	0	0
	Mumbai & Greater Mumbai	Mahanagar Gas Limited	143	944,452	3,162	15
	Palghar District & Thane Rural	Gujarat Gas Limited	17	476	14	62
	Pune City including Pimpri - Chichwad & adjoining contiguous areas	Maharashtra Natural Gas Limited	87	363,875	380	226
	Hinjewadi, Chakan, Talegaon					
	Pune District (EAAA)	Torrent Gas Pune Limited	29	1,604	1	5
	Raigarh District (EAAA)	Mahanagar Gas Limited	19	40,718	0	1
	Ratnagiri District	Unison Enviro Private Limited	15	3,619	1	56
	Sangli & Satara Districts	Bharat Gas Resources Limited	9	786	0	0
	Sindhudurg District	Maharashtra Natural Gas Limited	6	1,755	0	0
	Thane urban and adjoining Municipalities	Mahanagar Gas Limited	113	633,346	942	68
Maharashtra Total			461	1,994,371	4,500	433
Maharashtra & Gujarat	Valsad (EAAA), Dhule & Nashik Districts	Maharashtra Natural Gas Limited	32	26,448	0	0
Maharashtra & Gujarat Total			32	26,448	0	0
National Capital Territory of Delhi (UT)	National Capital Territory of Delhi	Indraprastha Gas Limited	436	1,067,396	2,718	1,603
National Capital Territory of Delhi (UT) Total			436	1,067,396	2,718	1,603
Odisha	Balasore, Bhadrak & Mayurbhanj Districts	Adani Gas Limited	4	0	0	0
	Cuttack District	GAIL (India) Limited	6	8,733	0	0
	Ganjam, Nayagarh & Puri Districts	GAIL Gas Limited	2	1,507	0	0
	Khordha District	GAIL (India) Limited	10	17,966	0	0

State/Union Territory	Geographical Area/CGD Networks	Authorized CGD Entity	CNG stations	PNG connections		
				Domestic	Commercial	Industrial
	Sundargarh & Jharsuguda Districts	GAIL Gas Limited	2	1,395	0	0
	Odisha Total		24	29,601	0	0
Puducherry & Tamil Nadu	Karaikal & Nagapattinam Districts	Torrent Gas Private Limited	3	0	0	0
	Puducherry & Tamil Nadu Total		3	0	0	0
Punjab	Amritsar District	Gujarat Gas Limited	14	3,916	55	4
	Bhatinda District	Gujarat Gas Limited	6	1,346	2	0
	Fatehgarh Sahib District	IRM Energy Private Limited	7	1,452	19	60
	Ferozepur, Faridkot and Sri Muktsar Sahib Districts	Gujarat Gas Limited	4	0	0	0
	Hoshiarpur and Gurdaspur Districts	Gujarat Gas Limited	16	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	12	179	0	1
	Rupnagar District	Bharat Petroleum Corporation Limited	6	4,950	0	0
SAS Nagar District (EAAA), Patiala & Sangrur Districts	Torrent Gas Private Limited	17	46	0	0	
	Punjab Total		98	11,889	76	65
Rajasthan	Ajmer, Pali and Rajsamand Districts	Indraprastha Gas Limited	8	42,481	0	0
	Barmer, Jaisalmer & Jodhpur Districts	AGP CGD India Private Limited	6	72	1	3
	Bhilwara & Bundi Districts	Adani Gas Limited	6	0	0	0
	Bhiwadi (in Alwar District)	Haryana City Gas Distribution (Bhiwadi) Limited	1	2,252	0	58
	Chittorgarh (Other than Rawatbhata Taluka) & Udaipur Districts*	Adani Gas Limited	15	0	0	0
	CNG (DBS) NOC	Rajasthan State Gas Limited	2	0	0	0
	Dholpur District	Dholpur CGD Private Limited	5	0	0	0
	Jalore and Sirahi Districts	Gujarat Gas Limited	12	0	0	0
	Kota	Rajasthan State Gas Limited	7	17,105	17	15
	Kota District (EAAA), Baran & Chittorgarh (Only Rawatbhata Taluka) Districts	Torrent Gas Private Limited	11	5	0	0
	Rajasthan Total		73	61,915	18	76
Tamil Nadu	Coimbatore District	Indian Oil Corporation Limited	2	0	0	0
	Cuddalore, Nagapattinam & Tiruvarur Districts	Adani Gas Limited	9	0	0	0
	Ramanathapuram District	AGP CGD India Private Limited	2	0	0	0
	Tiruppur District	Adani Gas Limited	15	0	0	0
	Tamil Nadu Total		28	0	0	0
Telangana	Hyderabad	Bhagyanagar Gas Limited	83	148,006	29	45
	Medak, Siddipet & Sangareddy Districts	Torrent Gas Private Limited	14	0	0	4
	Nalgonda Suryapet & Yadadri Bhuvanagiri Districts	Megha Engineering & Infrastructure Limited	1	550	0	1
		Telangana Total	98	148,556	29	50
Tripura	Agartala	Tripura Natural Gas Company Limited	6	42,732	491	62
	Gomati District	Tripura Natural Gas Company Limited	5	0	0	0
	West Tripura (EAAA) District	Tripura Natural Gas Company Limited	6	7,015	0	0
		Tripura Total	17	49,747	491	62
	Agra	Green Gas Limited	25	79,094	61	17
	Allahabad	Indian-Oil Adani Gas Private Limited	6	36,189	30	6
	Allahabad District (EAAA), Bhadohi & Kaushambi Districts	Indian-Oil Adani Gas Private Limited	9	352	0	0
	Amethi, Pratapgarh & Raebareli Districts	Bharat Gas Resources Limited	6	1,824	0	0
	Auraiya, Kanpur Dehat & Etawah Districts	Torrent Gas Private Limited	19	505	0	0
	Azamgarh, Mau and Ballia Districts	Torrent Gas Private Limited	9	0	0	0
	Bagpat District	Bagpat Green Energy Private Limited	3	0	0	0
	Bareilly	Central UP Gas Limited	16	34,926	129	23
	Bareilly (EAAA) District, Pilibhit and Rampur Districts	Hindustan Petroleum Corporation Limited	7	0	0	0
	Basti and Ambedkarnagar Districts	Torrent Gas Private Limited	11	0	0	0

State/Union Territory	Geographical Area/CGD Networks	Authorized CGD Entity	CNG stations	PNG connections		
				Domestic	Commercial	Industrial
Uttar Pradesh	Bulandshahr (part) District	Indian-Oil Adani Gas Private Limited	5	0	0	0
	Bulandshahr District (EAAA), Aligarh & Hathras Districts	Indian-Oil Adani Gas Private Limited	7	0	0	0
	Faizabad & Sultanpur Districts	Green Gas Limited	2	841	0	0
	Farrukhabad, Etah and Hardoi Districts	Hindustan Petroleum Corporation Limited	8	0	0	0
	Gautam Budh Nagar District	Indraprastha Gas Limited	51	260,114	614	906
	Ghaziabad & Hapur Districts	Indraprastha Gas Limited	56	245,955	307	395
	Gonda and Barabanki Districts	Torrent Gas Private Limited	12	0	0	0
	Jaunpur and Ghazipur Districts	Indian-Oil Adani Gas Private Limited	3	0	0	0
	Jhansi	Central UP Gas Limited	5	1,031	0	0
	Kanpur	Central UP Gas Limited	34	84,825	232	81
	Kanpur (EAAA) District, Fatehpur and Hamirpur Districts	Indraprastha Gas Limited	7	14,676	0	0
	Khurja	Adani Gas Limited	6	7,470	7	232
	Lucknow	Green Gas Limited	37	69,870	57	11
	Mainpuri and Kannauj Districts	Hindustan Petroleum Corporation Limited	4	0	0	0
	Mathura	Sanwariya Gas Limited	11	4,597	39	78
	Meerut	GAIL Gas Limited	17	50,023	44	62
	Meerut District (EAAA), Muzaffarnagar & Shamli Districts	Indraprastha Gas Limited	10	16,625	6	0
	Mirzapur, Chandauli and Sonbhadra Districts	GAIL Gas Limited	7	1,816	0	0
	Moradabad	Torrent Gas Moradabad Limited	6	9,384	13	86
	Moradabad (EAAA) District	Torrent Gas Private Limited	15	728	0	2
	Saharanpur District	Bharat Petroleum Corporation Limited	6	8,992	0	0
	Shahjahanpur and Budaun Districts	Hindustan Petroleum Corporation Limited	6	0	0	0
	Unnao (EAAA) District	Green Gas Limited	1	0	0	0
	Varanasi District	GAIL (India) Limited	11	37,031	30	1
	Gorakhpur, Sant Kabir Nagar & Kushinagar Districts	Torrent Gas Private Limited	16	52	0	0
	Uttar Pradesh Total			454	966,920	1,569
Uttar Pradesh & Rajasthan	Firozabad (Taj) Trapezium Zone)	GAIL Gas Limited	31	18,050	1	341
Uttar Pradesh & Rajasthan Total			31	18,050	1	341
Uttar Pradesh and Uttrakhand	Bijnor and Nainital Districts	Hindustan Petroleum Corporation Limited	7	0	0	0
Uttar Pradesh and Uttrakhand Total			7	0	0	0
Uttrakhand	Dehradun District	GAIL Gas Limited	6	9,416	0	0
	Haridwar District	Haridwar Natural Gas Private Limited	4	22,361	0	0
	Udham Singh Nagar District	Indian-Oil Adani Gas Private Limited	6	10,196	35	44
Uttrakhand Total			16	41,973	35	44
West Bengal	c	Indian-Oil Adani Gas Private Limited	12	0	0	0
	Howrah (EAAA) District and Hoogly (EAAA) District	Hindustan Petroleum Corporation Limited	2	0	0	0
	Kolkata Municipal Corporation and Parts of Adjoining Districts	Bengal Gas Company 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	1	0	0	0
West Bengal Total			18	0	0	0
Grand Total			3,180	7,913,587	32,551	12,032

Source- PNGRB & GEECL

Note-

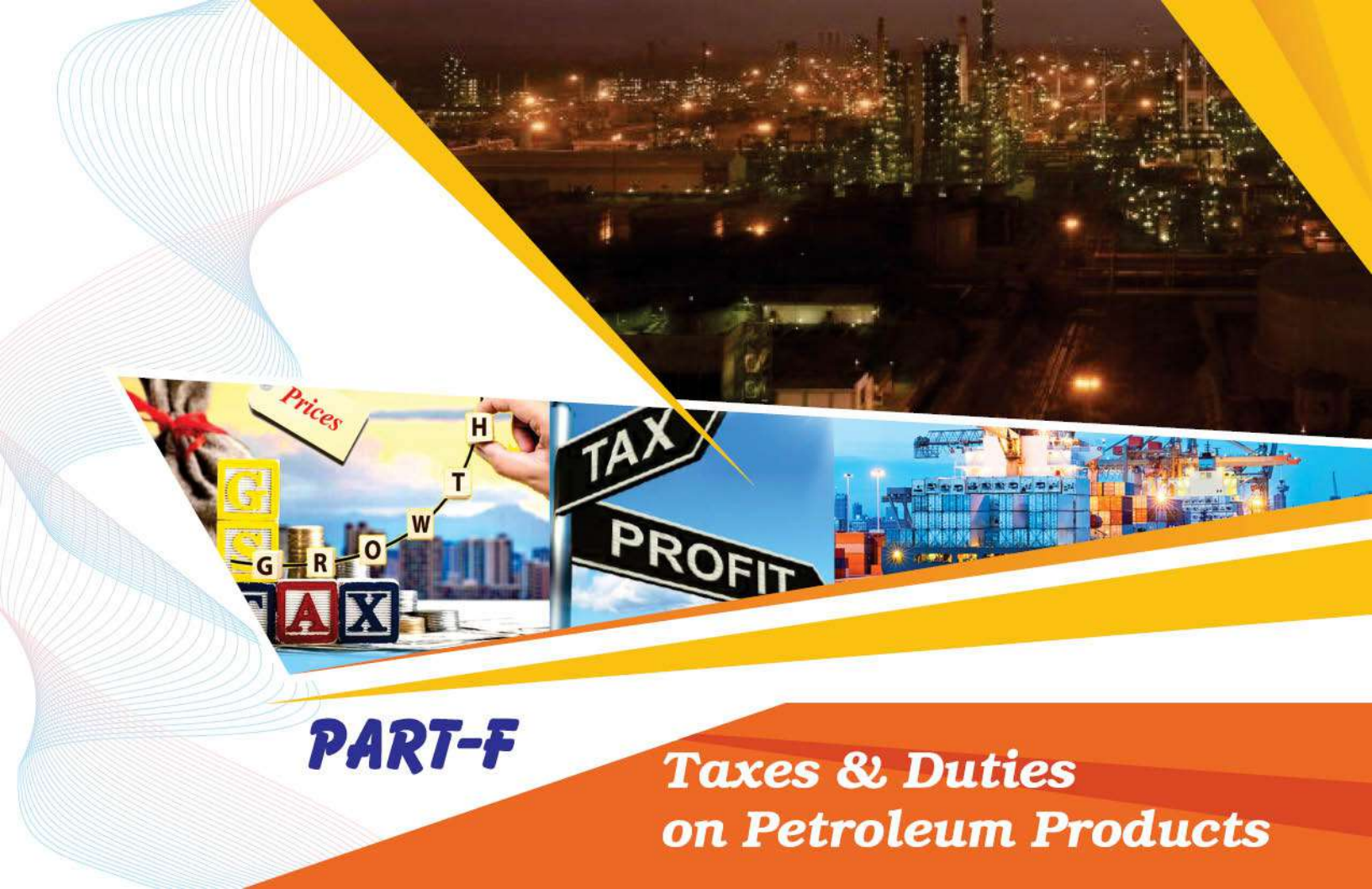
1. All the GAs where PNG connections/CNG Stations have been established is considered as Operational.
2. Under normal conditions, operation of any particular GA commences within around one year of authorization.
3. EAAA stands for Excluding/Except Area Already Authorized | * stands for Sub-Judice | #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

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

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

25. CNG/PNG prices

City	CNG (Rs/Kg)	PNG (Rs/SCM)	Source
Delhi	44.30	29.66	IGL (w.e.f. 8th July 2021)
Mumbai	51.98	30.40 (Slab 1) 36.00 (Slab 2)	MGL for PNG (w.e.f 14 th July 2021) Slab- 1 (0.0-0.60 SCMD), Slab- 2 (0.61-1.50 SCMD)



PART-F

Taxes & Duties on Petroleum Products

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

International FOB prices/ Exchange rates (\$/bbl)				Price buildup of petroleum products (Rs./litre/Cylinder)		
Particulars	2019-20	2020-21	June 2021	Particulars	Petrol*	Diesel*
Crude oil (Indian Basket)	60.47	44.82	71.98	Price charged to dealers (excluding Excise Duty and VAT)	39.29	41.74
Petrol	66.94	47.68	78.85	Excise Duty	32.90	31.80
Diesel	71.78	47.86	77.12	Dealers' Commission (Average)	3.82	2.60
Kerosene	70.56	43.60	74.32	VAT (incl VAT on dealers' commission)	22.80	13.04
LPG (\$/MT)	453.75	415.17	527.00	Retail Selling Price	98.81	89.18
FO (\$/MT)	321.19	259.30	399.25			
Naphtha (\$/MT)	471.08	378.93	622.52			
Exchange (Rs./\$)	70.88	74.20	73.56			
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	36.64	732.90
Diesel	2.50%	Rs 31.80/Ltr^	**	Dealers'/distributors' commission	2.64	61.84
PDS SKO	Nil	Not Applicable	5.00%	GST (incl GST on dealers'/distributors' commission)	1.96	39.76
Non-PDS SKO	5.00%		18.00%	Retail Selling Price	41.24	834.50
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.

Price buildup of petroleum products (Rs./litre/Cylinder)		
Particulars	Petrol*	Diesel*
Price before taxes and dealers'/distributors' commission	36.64	732.90
Dealers'/distributors' commission	2.64	61.84
GST (incl GST on dealers'/distributors' commission)	1.96	39.76
Retail Selling Price	41.24	834.50

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

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

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

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

Sales & profit of petroleum sector (Rs. Crores)				
Particulars	2019-20		2020-21 (P)	
	Turnover	PAT	Turnover	PAT
Upstream/midstream Companies (PSU)	179,192	22,668	132,830	17,878
Downstream Companies (PSU)	11,74,731	6,634	10,80,618	51,542
Standalone Refineries (PSU)	123,424	-3,437	111,330	3,033
Private-RIL	3,66,177	30,903	278,940	31,944

Borrowings of OMCs (Rs. Crores), As on

Company	Mar`19	Mar`20	Mar`21 (P)
IOCL	86,359	116,545	102,327
BPCL	29,099	41,875	26,315
HPCL	27,240	43,021	40,009

Petroleum sector contribution to Central/State Govt.

Particulars	2018-19	2019-20	2020-21 (P)
Central Government	3,48,041	3,34,315	453,812
% of total revenue receipts	22%	20%	29%
State Governments	2,27,591	2,21,056	217,650
% of total revenue receipts	9%	8%	7%
Total (Rs. Crores)	5,75,632	5,55,370	671,461

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

Particulars	2018-19	2019-20	2020-21 (P)
Petroleum subsidy	0.23	0.13	0.06

Note: GDP figure for 2018-19 and 2019-20 are Revised Estimates and 2020-21 are Provisional Estimates



PART-G

Miscellaneous

27. Capital expenditure of PSU oil companies

(Rs in crores)

Company	2018-19	2019-20	2020-21 (P)	2021-22 (P)	
				Target (Annual)	April-June
ONGC Ltd	28,738	30,115	26,441	29,800	5,199
ONGC Videsh Ltd (OVL)	6,013	5,363	5,351	8,380	1,751
Oil India Ltd (OIL)	3,702	3,724	12,802	4,108	1,032
GAIL (India) Ltd	5,958	4,381	5,560	5,861	950
Indian Oil Corp. Ltd. (IOCL)	26,548	28,316	27,195	28,547	3,900
Hindustan Petroleum Corp. Ltd (HPCL)	11,689	13,773	14,036	14,500	3,003
Bharat Petroleum Corp. Ltd (BPCL)	10,084	10,255	10,697	10,000	3,910
Mangalore Refinery & Petrochem Ltd (MRPL)	1,072	1,318	2,218	850	147
Chennai Petroleum Corp. Ltd (CPCL)	1,208	969	592	384	45
Numaligarh Refinery Ltd (NRL)	459	536	981	2,000	281
Balmer Lawrie Co. Ltd (BL)	125	40	42	40	5
Engineers India Ltd (EIL)	87	164	730	150	45
Total	95,684	98,955	106,642	104,620	20,268

Includes expenditure on investment in JV/subsidiaries.

(P) Provisional

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	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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