

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

Abridged Ready Reckoner
November, 2020

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



Analysis • Knowledge • Information

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As on 19.12.2020

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.

Table of contents

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

Highlights for the month

- The consumption of petroleum products in November 2020 with a volume of 17.8 MMT recovered to 96.3% of the volume of 18.5 MMT in November 2019. Petroleum products consumption during the period April to November 2020 recovered 85.6% of the consumption during the same period previous year.
- The products which registered a growth in the month of November 2020 were LPG 4.1%, Petrol (MS) 5.1%, Naphtha 7.7%, Bitumen 18.4%, Furnace Oil & Low Sulphur Heavy Stock (FO/LSHS) 8.9%, Light Diesel Oil (LDO) 33.3% and products categorised under “Others” category 2.5%.
- Ethanol blending with Petrol was 5.1% during November 2020 and cumulative during December 2019 to November 2020 was 5.0%.
- Total consumption of natural gas (including internal consumption) for the month of November, 2020 was 5156 MMSCM which was 1.4% higher than the corresponding month of the previous year. The cumulative consumption of 40074 MMSCM for the current year till November, 2020 was lower by 5.6% compared with the corresponding period of the previous year.
- Indigenous crude oil and condensate production during November 2020 was lower by 4.9% than that of November 2019 as compared to a de-growth of 6.2% during October 2020. OIL and ONGC registered a de-growth of 6.5% and 1.5% respectively during November 2020 as compared to November 2019. PSC registered de-growth of 12.6% during November 2020 as compared to November 2019. De-growth of 6.0% was registered in the total crude oil and condensate production during April- November 2020 over the corresponding period of the previous year.
- Crude oil processed during November 2020 was 20.8 MMT, which was 5.1% lower than November 2019 as compared to a de-growth of 16.1% during October 2020. De-growth of 17.8% was registered in the total crude oil processing during April-November 2020 over the corresponding period of the previous year.
- Production of petroleum products saw a de-growth of 4.8% during November 2020 over November 2019 as compared to a de-growth of 17.0% during October 2020. Degrowth of 14.9% was registered in the total POL production during April-November 2020 over the corresponding period of the previous year.

<ul style="list-style-type: none"> Gross production of natural gas for the month of November, 2020 was 2331 MMSCM which was lower by 9.1% compared with the corresponding month of the previous year. The cumulative gross production of natural gas of 18704 MMSCM for the current financial year till November, 2020 was lower by 11.8% compared with the corresponding period of the previous year.
<ul style="list-style-type: none"> Crude oil imports decreased by 4.7% and 18.1% during November 2020 and April-November 2020 respectively as compared to the corresponding period of the previous year.
<ul style="list-style-type: none"> POL products imports increased by 10.1% and 1.2% during November 2020 and April-November 2020 respectively as compared to the corresponding period of the previous year. Increase in POL products imports during April-November 2020 was due to increase in imports of fuel oil (FO), liquified petroleum gas(LPG), bitumen and petcoke.
<ul style="list-style-type: none"> LNG import for the month of November, 2020 was 2893 MMSCM which was 11.8% higher than the corresponding month of the previous year. The cumulative import of 21971 MMSCM for the current year till November, 2020 was lower by 0.6% compared with the corresponding period of the previous year.
<ul style="list-style-type: none"> Exports of POL products decreased by 33.7% and 14.2% during November 2020 and April-November 2020 respectively as compared to the corresponding period of the previous year. Decrease in POL products exports during April-November 2020 (P) was due to decrease in exports of aviation turbine fuel (ATF), naphtha, motor sprit (MS), high speed diesel (HSD), fuel oil (FO), vacuum gas oil (VGO), liquified petroleum gas (LPG), bitumen and superior kerosene oil (SKO).
<ul style="list-style-type: none"> The price of Brent Crude averaged \$42.66/bbl during November, 2020 as against \$40.15/bbl during October 2020 and \$63.02/bbl during November 2019. The Indian basket crude price averaged \$43.34/bbl during November 2020 as against \$40.66/bbl during October 2020 and \$62.53 /bbl during November 2019.



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 (as on 1 st May, 2011)	Billion	1.2	-	-	-	-	-
2	GDP at constant (2011-12 Prices)	Growth %	8.0 3rd RE	8.2 2nd RE	7.1 2nd RE	6.1 1st RE	4.2 PE	-15.7 H1 (E)
3	Agricultural Production (Food grains)	MMT	251.5	275.1	285.0	285.2	296.7 4th AE	144.5 1st AE (Kharif)
		Growth %	-0.2	9.4	3.6	0.1	4.0	2.8 [§]
4	Gross Fiscal Deficit (as percent of GDP)	%	3.9	3.5	3.5	3.4	3.8 RE	3.5 BE

Economic indicators		Unit/ Base	2018-19	2019-20	November		April-November	
					2019-20	2020-21 (P)	2019-20	2020-21 (P)
5	Index of Industrial Production (Base: 2011-12)	Growth %	3.8	-0.8	-6.6*	3.6*	0.1 [#]	-17.5 [#]
6	Imports	\$ Billion	514.1	474.7	38.5	33.4	324.6	215.7
7	Exports	\$ Billion	330.1	313.4	25.8	23.5	211.2	173.7
8	Trade Balance	\$ Billion	-184.0	-161.3	-12.8	-9.9	-113.4	-42.0
9	Foreign Exchange Reserves [@]	\$ Billion	411.9	475.6	451.1	574.8		

[§] 2019-20 1st AE (Kharif) 140.57 MMT; IIP is for the month of *October & [#]April-October; [@]2018-19-as on March 29, 2019, 2019-20-as on March 27, 2019, November 2019- as on November 29, 2019 and November 2020-as on November 27, 2020; AE-Advanced Estimates; RE-Revised Estimates; QE-Quick Estimates; PE: Provisional Estimates.

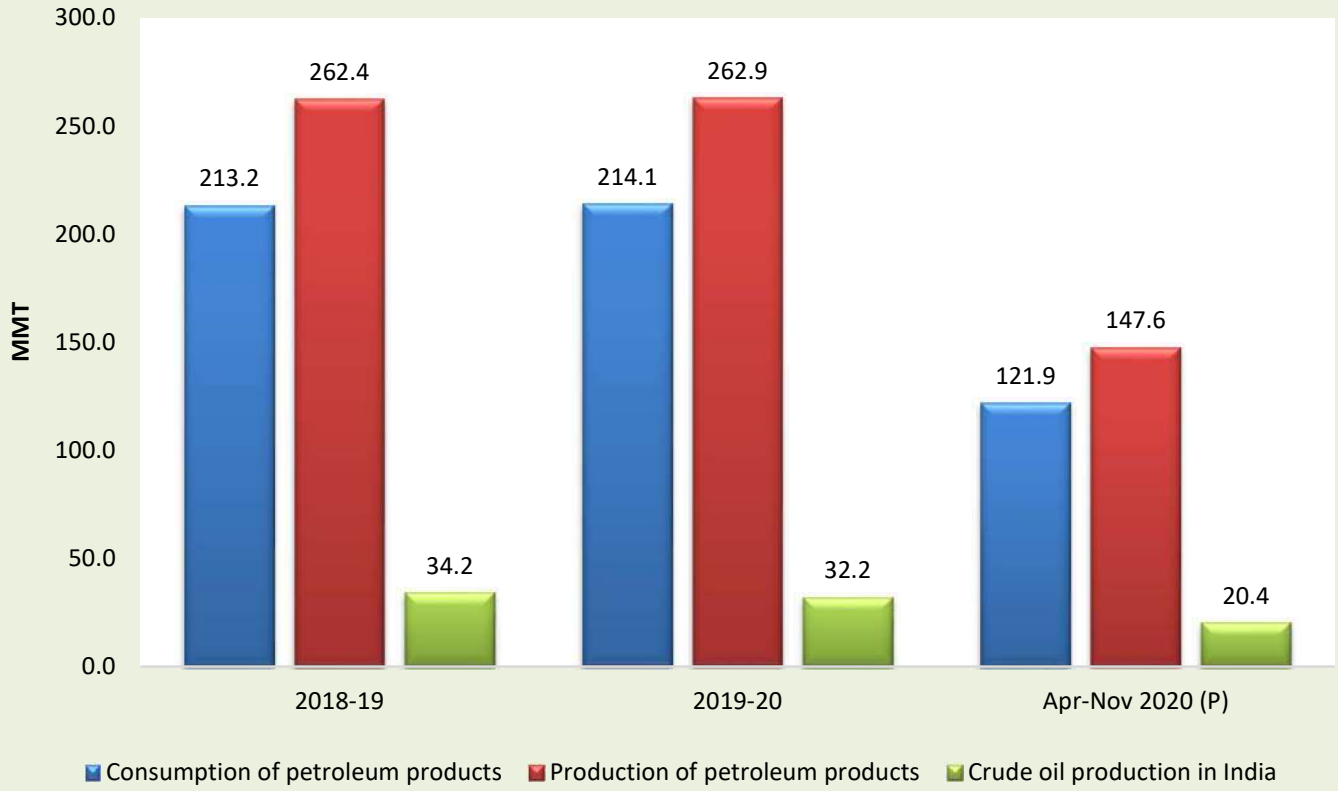
Source: Ministry of Commerce & Industry, Ministry of Statistics and Programme Implementation, Ministry of Agriculture & Farmer's Welfare, Ministry of Finance, Reserve Bank of India

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

Details		Unit/ Base	2018-19	2019-20	November		April-November	
					2019-20	2020-21 (P)	2019-20	2020-21 (P)
1	Crude oil production in India	MMT	34.2	32.2	2.6	2.5	21.7	20.4
2	Consumption of petroleum products*	MMT	213.2	214.1	18.5	17.8	142.4	121.9
3	Production of petroleum products	MMT	262.4	262.9	22.5	21.4	173.4	147.6
4	Gross natural gas production	MMSCM	32,875	31,184	2,563	2,331	21,210	18,704
5	Natural gas consumption	MMSCM	60,798	64,143	5,084	5,156	42,435	40,074
6	Imports & exports:							
	Crude oil imports	MMT	226.5	227.0	19.2	18.3	149.9	122.7
		\$ Billion	111.9	101.4	8.6	5.5	69.6	32.4
	Petroleum products (POL) imports*	MMT	33.3	43.8	3.0	3.3	27.5	27.8
		\$ Billion	16.3	17.7	1.2	1.1	11.1	7.9
	Gross petroleum imports (Crude + POL)	MMT	259.8	270.7	22.1	21.6	177.4	150.5
		\$ Billion	128.3	119.1	9.8	6.6	80.6	40.3
	Petroleum products (POL) export	MMT	61.1	65.7	6.1	4.1	43.6	37.4
		\$ Billion	38.2	35.8	3.5	1.5	24.9	11.8
	LNG imports*	MMSCM	28,740	33,887	2,589	2,893	21,832	21,971
		\$ Billion	10.3	9.5	0.8	0.7	6.3	4.5
7	Petroleum imports as percentage of India's gross imports (in value terms)	%	24.9	25.1	25.5	19.8	24.8	18.7
8	Petroleum exports as percentage of India's gross exports (in value terms)	%	11.6	11.4	13.5	6.3	11.8	6.8
9	Import dependency of crude (on consumption basis)	%	83.8	85.0	86.1	85.4	84.8	83.5

*Jul - Nov 2020 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	November			April-November		
			2019-20	2020-21 Target*	2020-21 (P)	2019-20	2020-21 Target*	2020-21 (P)
ONGC	19.6	19.2	1.6	1.7	1.6	12.7	14.0	12.7
Oil India Limited (OIL)	3.3	3.1	0.3	0.3	0.2	2.1	2.1	2.0
Private / Joint Ventures (JVs)	9.6	8.2	0.7	0.7	0.6	5.8	5.4	4.8
Total Crude Oil	32.5	30.5	2.5	2.7	2.4	20.6	21.6	19.5
ONGC condensate	1.5	1.4	0.1		0.1	0.9		0.8
PSC condensate	0.2	0.3	0.02		0.02	0.2		0.2
Total condensate	1.7	1.6	0.1		0.1	1.1		0.9
Total (Crude + Condensate) (MMT)	34.2	32.2	2.6	2.7	2.5	21.7	21.6	20.4
Total (Crude + Condensate) (Million Bbl/Day)	0.69	0.64	0.64		0.61	0.65		0.61

*Provisional targets inclusive of condensate.

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

Details	2018-19	2019-20	November		April-November	
			2019-20	2020-21 (P)	2019-20	2020-21 (P)
Total domestic production (MMTOE)	67.1	63.4	5.2	4.8	42.9	39.1
Overseas production (MMTOE)	24.7	24.5	2.0	1.8	16.5	14.6
Overseas production as percentage of domestic production	36.8%	38.7%	38.9%	37.4%	38.3%	37.4%

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

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

Details		2018-19	2019-20	November		April-November	
				2019-20	2020-21 (P)	2019-20	2020-21 (P)
1	High Sulphur crude	194.2	192.4	16.7	15.3	126.5	101.8
2	Low Sulphur crude	63.0	62.0	5.3	5.5	43.1	37.5
Total crude processed (MMT)		257.2	254.4	21.9	20.8	169.6	139.3
Total crude processed (Million Bbl/Day)		5.17	5.09	5.35	5.07	5.09	4.18
Percentage share of HS crude in total crude oil processing		75.5%	75.6%	76.0%	73.6%	74.6%	73.1%

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	November		April-November	
				2019-20	2020-21 (P)	2019-20	2020-21 (P)
1	Indigenous crude oil processing	31.7	29.3	2.3	2.4	19.9	18.6
2	Products from indigenous crude (93.3% of crude oil processed)	29.6	27.3	2.2	2.2	18.5	17.3
3	Products from fractionators (Including LPG and Gas)	4.9	4.8	0.4	0.4	3.2	2.8
4	Total production from indigenous crude & condensate (2 + 3)	34.5	32.1	2.6	2.6	21.7	20.2
5	Total domestic consumption	213.2	214.1	18.5	17.8	142.4	121.9
% Self-sufficiency (4 / 5)		16.2%	15.0%	13.9%	14.6%	15.2%	16.5%

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

Company	Refinery	Installed capacity (1.12.2020) MMTPA	Crude oil processing (MMT)							
			2018-19	2019-20	November			April-November		
					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	0.6	0.6	0.6	4.3	4.1	3.2
	Koyali (1965)	13.7	13.5	13.1	1.3	1.3	1.1	8.1	9.2	7.4
	Haldia (1975)	8.0	8.0	6.5	0.4	0.4	0.7	4.6	5.5	4.0
	Mathura (1982)	8.0	9.7	8.9	0.8	0.8	0.8	6.9	6.4	5.5
	Panipat (1998)	15.0	15.3	15.0	1.3	1.3	1.4	9.7	10.8	8.3
	Guwahati (1962)	1.0	0.9	0.9	0.09	0.07	0.08	0.7	0.6	0.5
	Digboi (1901)	0.65	0.7	0.7	0.06	0.03	0.06	0.4	0.4	0.4
	Bongaigaon(1979)	2.35	2.5	2.0	0.2	0.2	0.2	1.6	1.7	1.6
	Paradip (2016)	15.0	14.6	15.8	1.4	1.3	1.3	10.5	8.9	7.8
	IOCL-TOTAL	69.7	71.8	69.4	6.1	6.0	6.2	47.0	47.7	38.8
CPCL	Manali (1969)	10.5	10.3	10.2	0.8	0.9	0.7	6.7	5.4	4.8
	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	0.8	0.9	0.7	6.7	5.4	4.8
BPCL	Mumbai (1955)	12.0	14.8	15.0	1.3	1.2	1.2	9.7	9.9	7.8
	Kochi (1966)	15.5	16.1	16.5	1.4	1.4	1.3	10.9	10.6	7.6
BORL	Bina (2011)	7.8	5.7	7.9	0.7	0.6	0.6	5.1	5.2	3.7
NRL	Numaligarh (1999)	3.0	2.9	2.4	0.1	0.2	0.2	1.8	1.8	1.7
	BPCL-TOTAL	38.3	39.4	41.8	3.5	3.5	3.4	27.4	27.5	20.8

Company	Refinery	Installed capacity (1.12.2020) (MMTPA)	Crude oil processing (MMT)							
			2018-19	2019-20	November			April-November		
					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	0.008	0.005	0.007	0.059	0.042	0.051
MRPL	Mangalore (1996)	15.0	16.2	14.0	1.3	1.4	1.0	8.8	9.8	6.1
	ONGC-TOTAL	15.1	16.3	14.0	1.4	1.4	1.0	8.9	9.8	6.1
HPCL	Mumbai (1954)	7.5	8.7	8.1	0.7	0.3	0.6	5.4	4.6	4.8
	Visakh (1957)	8.3	9.8	9.1	0.8	0.8	0.8	6.0	6.5	5.9
HMEL	Bathinda (2012)	11.3	12.5	12.2	1.1	0.0	1.0	8.0	4.0	7.2
	HPCL- TOTAL	27.1	30.9	29.4	2.6	1.1	2.5	19.4	15.2	17.9
RIL	Jamnagar (DTA) (1999)	33.0	31.8	33.0	2.8	2.8	2.9	21.2	21.2	22.7
	Jamnagar (SEZ) (2008)	35.2	37.4	35.9	3.1	3.1	2.6	25.1	25.1	17.2
NEL	Vadinar (2006)	20.0	18.9	20.6	1.7	1.7	1.5	13.8	13.8	11.0
All India (MMT)		249.9	257.2	254.4	21.9	20.5	20.8	169.6	165.8	139.3
All India (Million Bbl/Day)		5.02	5.17	5.09	5.35		5.08	5.09		4.19

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 01.12.2020)										
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)

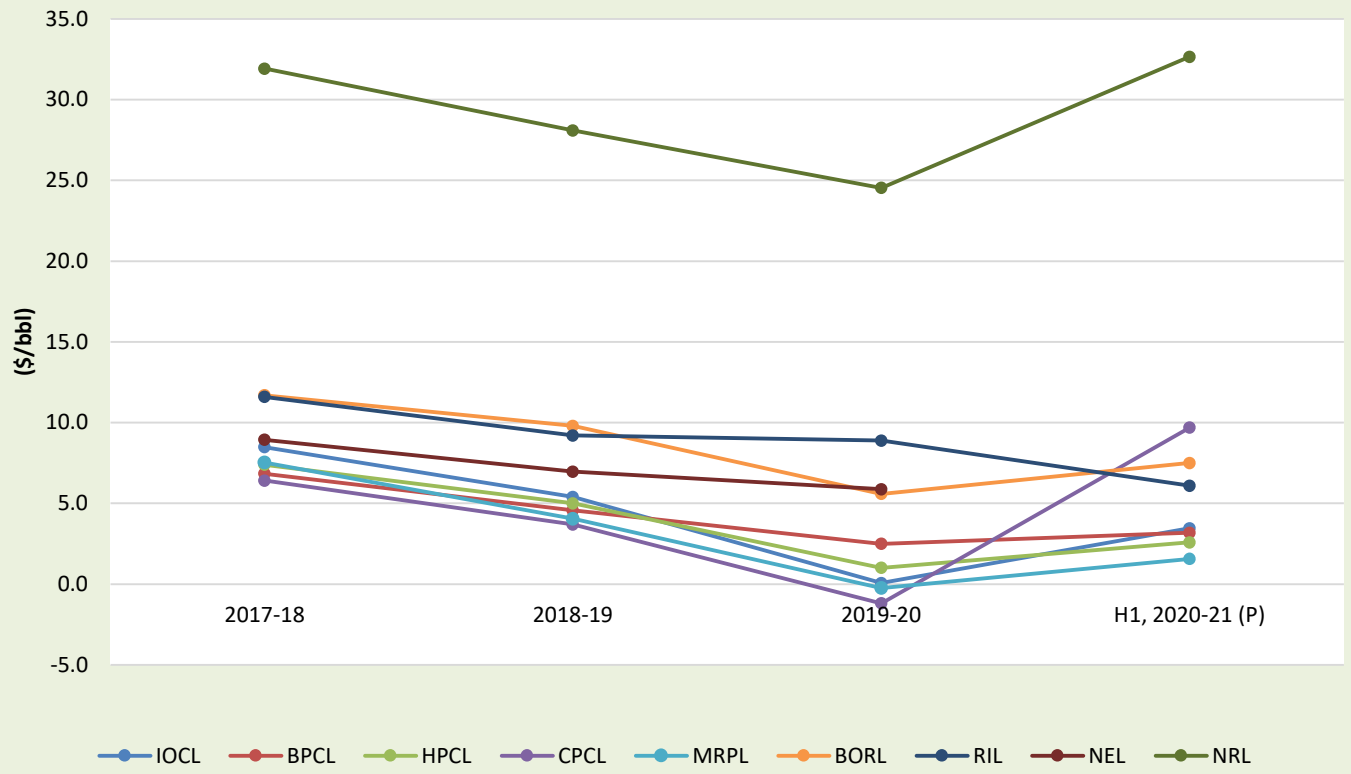
Note: Pipelines shown are indicative only.

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

Company	Refinery	2017-18	2018-19	2019-20	H1, 2020-21 (P)
IOCL	Barauni	6.60	3.86	-1.24	0.05
	Koyali	9.44	4.87	1.90	1.53
	Haldia	6.86	5.36	-2.44	2.16
	Mathura	7.09	4.65	-1.02	2.51
	Panipat	7.74	4.66	-0.25	0.18
	Guwahati **	21.88	16.35	14.22	28.19
	Digboi **	24.86	22.74	17.52	24.63
	Bongaigaon **	20.62	16.94	10.49	24.28
	Paradip	7.02	4.46	-1.80	4.23
	Weighted average	8.49	5.41	0.08	3.46
BPCL	Kochi	6.44	4.27	2.17	3.89
	Mumbai	7.26	4.92	2.88	2.54
	Weighted average	6.85	4.58	2.50	3.19
HPCL	Mumbai	8.35	5.79	3.63	3.26
	Visakhapatnam	6.55	4.31	-1.30	2.00
	Weighted average	7.40	5.01	1.02	2.58
CPCL	Chennai	6.42	3.70	-1.18	9.70
MRPL	Mangalore	7.54	4.06	-0.23	1.55
NRL	Numaligarh **	31.92	28.11	24.55	32.67
BORL	Bina	11.70	9.80	5.60	7.50
RIL	Jamnagar	11.60	9.20	8.90	6.10
NEL [@]	Vadinar	8.95	6.97	5.88	*

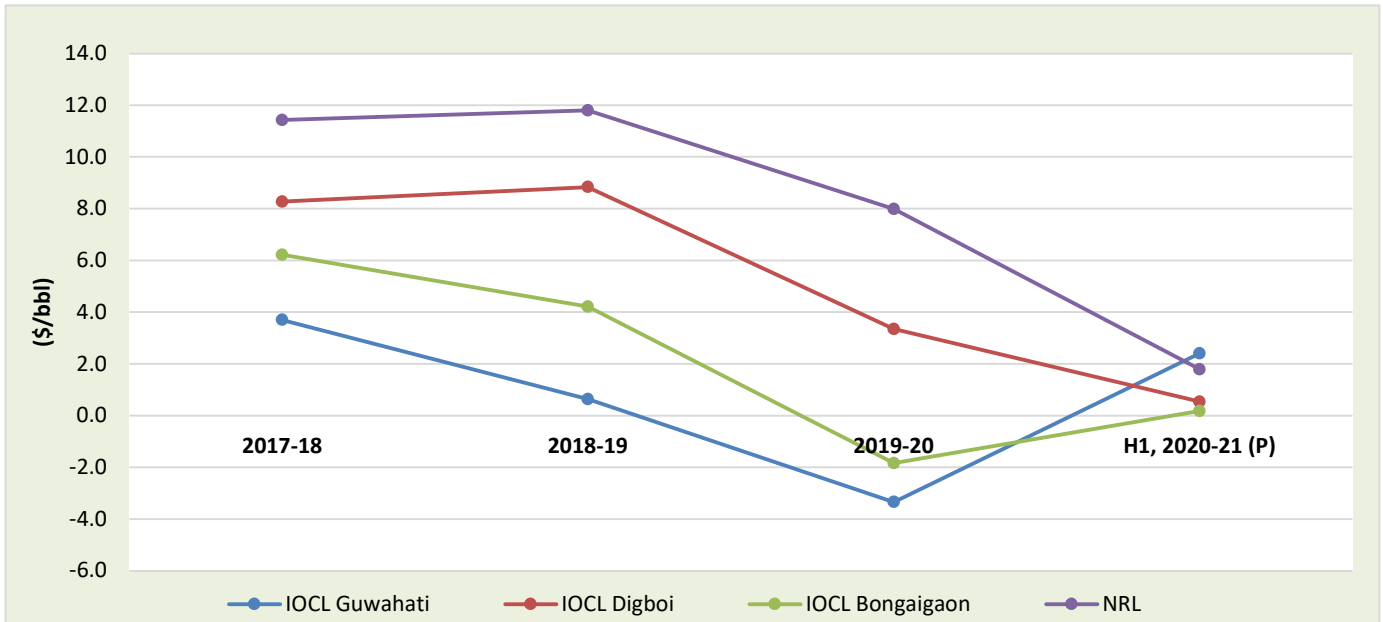
*Not available; ** GRM of North Eastern refineries are including excise duty benefit. For GRM excluding excise duty benefit, refer table 11; HMEI data not available; @Nayara Energy Limited (formerly Essar Oil Limited)

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	H1, 2020-21 (P)
IOCL	Guwahati	3.70	0.63	-3.34	2.40
	Digboi	8.27	8.84	3.35	0.54
	Bongaigaon	6.22	4.21	-1.84	0.18
NRL	Numaligarh	11.43	11.80	7.99	1.79





PART-C

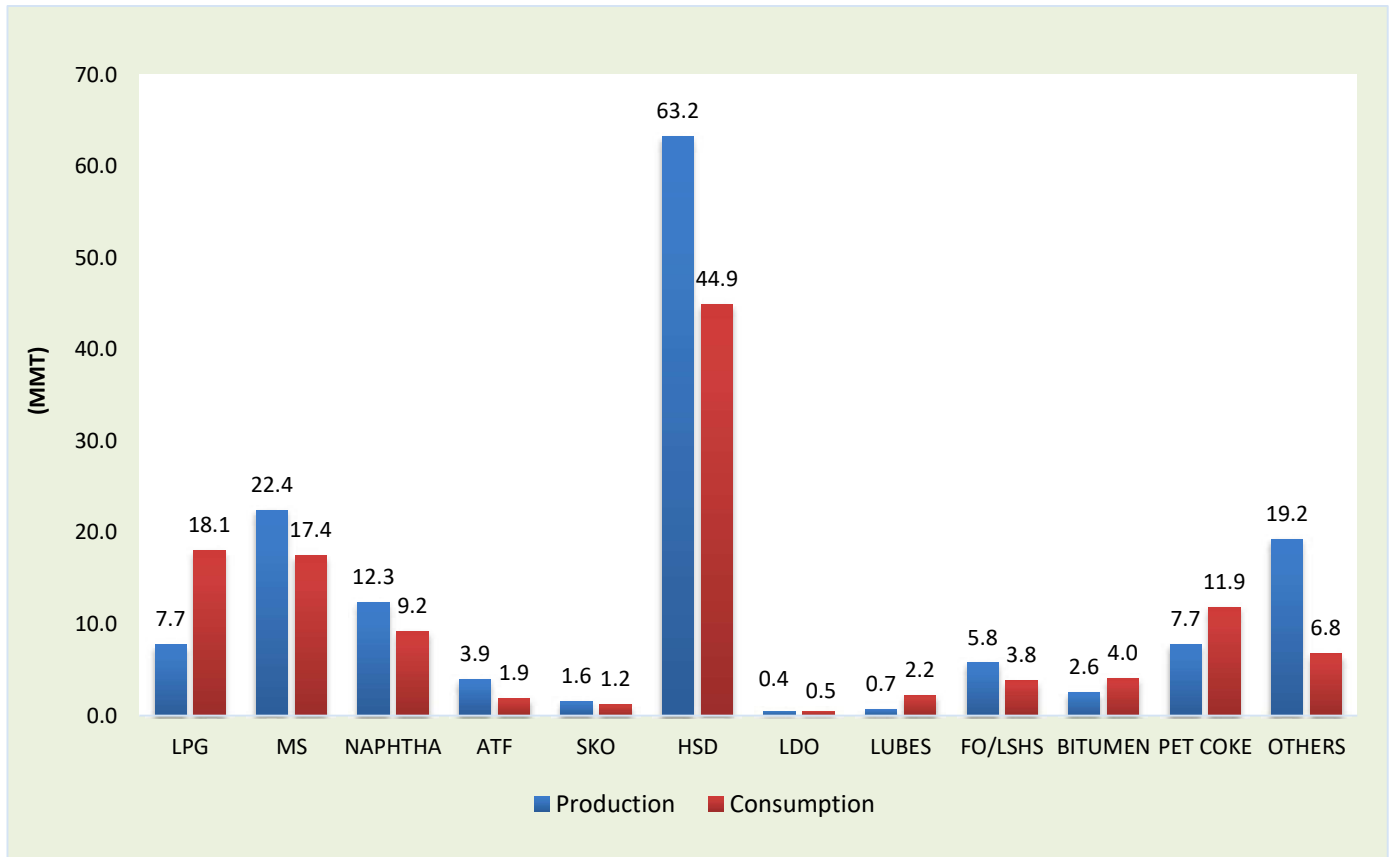
Consumption

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

Products	2018-19		2019-20		November 2019		November 2020 (P)		Apr-Nov 2019		Apr-Nov 2020 (P)	
	Prod	Cons	Prod	Cons	Prod	Cons	Prod	Cons	Prod	Cons	Prod	Cons
LPG	12.8	24.9	12.8	26.3	1.1	2.3	1.1	2.4	8.4	17.1	7.7	18.1
MS	38.0	28.3	38.6	30.0	3.2	2.5	3.3	2.7	25.8	20.4	22.4	17.4
NAPHTHA	19.6	14.1	20.6	14.3	1.9	1.2	1.8	1.3	13.0	9.0	12.3	9.2
ATF	15.5	8.3	15.2	8.0	1.3	0.7	0.7	0.4	10.2	5.4	3.9	1.9
SKO	4.1	3.5	3.2	2.4	0.2	0.2	0.2	0.2	2.1	1.7	1.6	1.2
HSD	110.6	83.5	111.1	82.6	9.4	7.6	9.5	7.0	73.9	55.4	63.2	44.9
LDO	0.7	0.6	0.6	0.6	0.1	0.1	0.1	0.1	0.5	0.4	0.4	0.5
LUBES	0.9	3.7	0.9	3.8	0.1	0.3	0.1	0.3	0.6	2.6	0.7	2.2
FO/LSHS	10.0	6.6	9.3	6.3	0.8	0.5	0.6	0.5	6.5	4.0	5.8	3.8
BITUMEN	5.6	6.7	4.9	6.7	0.4	0.6	0.5	0.7	3.0	4.0	2.6	4.0
PET COKE	13.7	21.3	14.6	21.7	1.3	1.7	1.1	1.4	9.4	14.7	7.7	11.9
OTHERS	31.0	11.7	31.0	11.4	2.6	0.9	2.5	0.9	19.9	7.7	19.2	6.8
ALL INDIA	262.4	213.2	262.9	214.1	22.5	18.5	21.4	17.8	173.4	142.4	147.6	121.9
Growth (%)	3.2%	3.4%	0.2%	0.4%	3.1%	9.0%	-4.8%	-3.7%	-1.1%	2.5%	-14.9%	-14.4%

Note: Prod - Production; Cons - Consumption

Petroleum Products: April-November 2020 (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	17,97,532	13,94,570

*PDS SKO allocation is for Apr-Dec 2020 and upliftment is for Apr-Nov 2020

14. Ethanol blending programme

Particulars	Ethanol Supply Year *			
	2016-17	2017-18	2018-19 (P)	2019-20 (P) (Dec 2019-Nov 2020)
Ethanol received by PSU OMCs under EBP Program (in Cr. Litrs)	66.5	150.5	188.6	173.0
Average Percentage of Blending Sales (EBP%)	2.0%	4.2%	5.0%	5.0%

*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 01.12.2020) (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.), [^]	30,623	17,559	17,607	1,409	5,894	231	10	73,333
out of which Rural ROs	9,288	3,837	4,243	127	1,948	48	1	19,492
SKO/LDO agencies (Nos.)	3,871	930	1,638	-	-	-	-	6,439
LPG Distributors (total) (Nos.) (PSUs only)	12,598	6,131	6,143	-	-	-	-	24,872
LPG Bottling plants (Nos.) (PSUs only) [#]	92	53	50	-	-	-	3	198
LPG Bottling capacity (TMTPA) (PSUs only) ^{&}	10,086	4,710	5,642	-	-	-	173	20,611
LPG active domestic consumers (Nos. crore) (PSUs only)	13.5	7.4	7.9	-	-	-	-	28.7

[§](Others=4 MRPL & 2 NRL); [@](Others=ShellMRPL -1); [^](Others=MRPL-10); [#](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	November			April-November		
			2019-20	2020-21 (P)	Gr (%)	2019-20	2020-21 (P)	Gr (%)
1. PSU Sales :								
LPG-Packed Domestic	21,728.0	23,076.0	1,976.6	2,095.9	6.0	14,965.9	16,675.8	11.4
LPG-Packed Non-Domestic	2,364.4	2,614.4	236.3	200.8	-15.0	1,711.1	1,034.6	-39.5
LPG-Bulk	318.1	263.5	21.0	32.2	53.2	184.6	205.0	11.1
Auto LPG	180.3	171.9	15.2	12.0	-21.5	117.7	67.7	-42.5
Sub-Total (PSU Sales)	24,590.8	26,125.7	2,249.1	2,340.9	4.1	16,979.4	17,983.2	5.9
2. Direct Private Imports*	316.0	204.0	11.6	11.9	2.5	162.0	67.3	-58.4
Total (1+2)	24,906.8	26,329.8	2,260.7	2,352.7	4.1	17,141.3	18,050.5	5.3

*Jul-Nov 2020 DGCIS data are prorated.

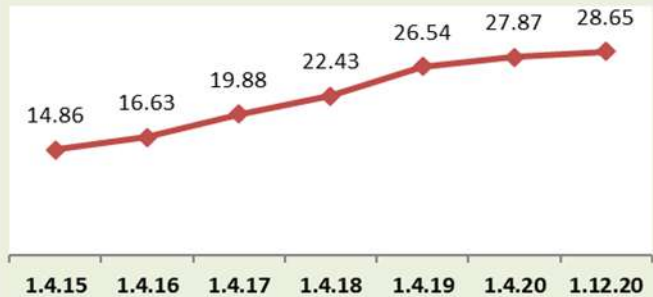
17. LPG marketing at a glance														
Particulars (As on 1st of April)	Unit	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1.12.2020 (P)
		LPG Active Domestic Customers	(Lakh)							1486	1663	1988	2243	2654
	Growth								11.9%	19.6%	12.8%	18.3%	5.0%	4.0%
LPG Coverage (Estimated)	(Percent)							56.2	61.9	72.8	80.9	94.3	97.5	99.3
	Growth								10.1%	17.6%	11.1%	16.5%	3.4%	2.5%
PMUY Beneficiaries	(Lakh)									200	356	719	802	801
	Growth										77.7%	101.9%	11.5%	-0.3%
LPG Distributors	(No.)	9366	9686	10541	11489	12610	13896	15930	17916	18786	20146	23737	24670	24872
	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%	2.4%
Auto LPG Dispensing Stations	(No.)	447	536	604	652	667	678	681	676	675	672	661	657	656
	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%	-0.3%
Bottling Plants	(No.)	182	182	183	184	185	187	187	188	189	190	192	196	198
	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%	2.6%

Source: PSU OMCs (IOCL, BPCL and HPCL)

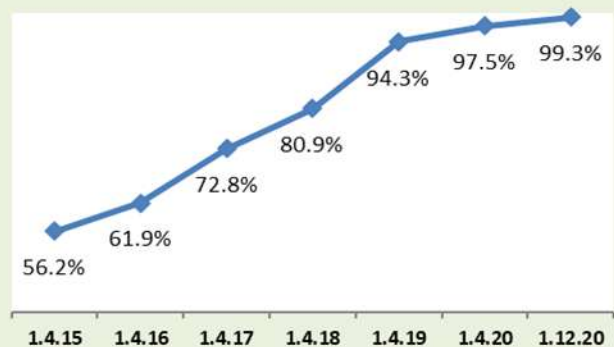
1. All growth rates as on 1.12.2020 are w.r.t figures as on 1.12.2019. All growth rates as on 1 April of any year are w.r.t. figures as on 1 April of previous year.

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



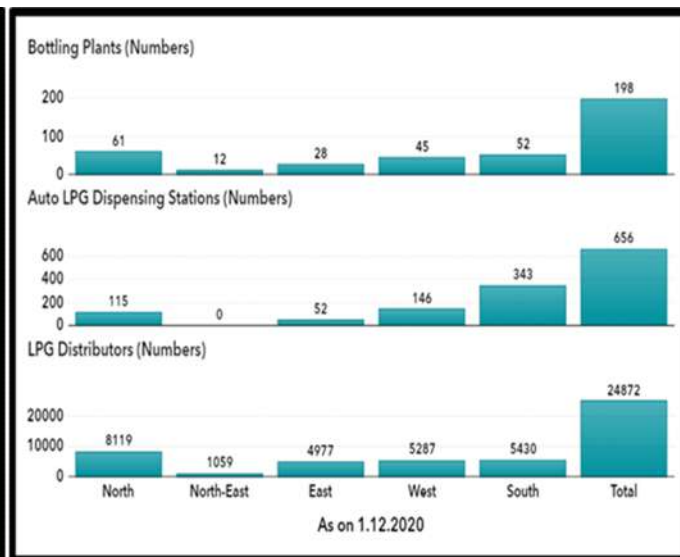
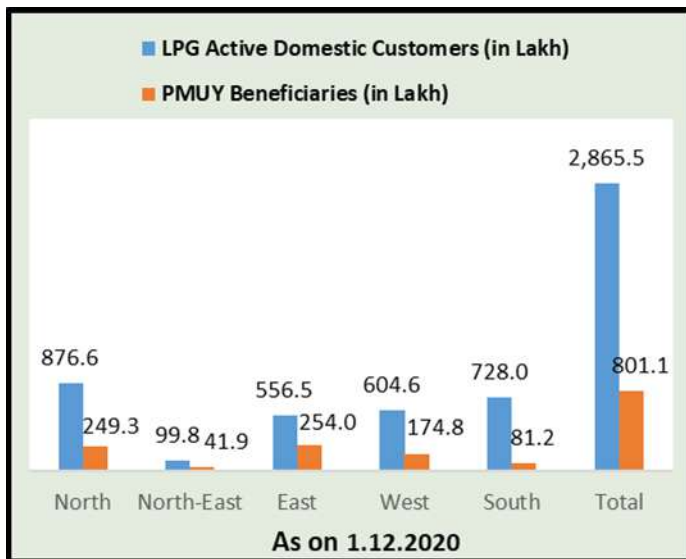
Growth trend in LPG distributors



18-Region-wise data on LPG marketing (As on 1.12.2020)

Particulars	North	North-East	East	West	South	Total
LPG Active Domestic Customers (in Lakh)	876.6	99.8	556.5	604.6	728.0	2865.5
LPG Coverage (Estimated)	113.6%	92.5%	85.6%	89.7%	106.7%	99.3%
PMUY Beneficiaries (in Lakh)	249.3	41.9	254.0	174.8	81.2	801.1
LPG Distributors (Numbers)	8119	1059	4977	5287	5430	24872
Auto LPG Dispensing Stations (Numbers)	115	0	52	146	343	656
Bottling Plants* (Numbers)	61	12	28	45	52	198

*Includes Numaligarh BP, Duliajan BP and CPCL BP.





PART-E

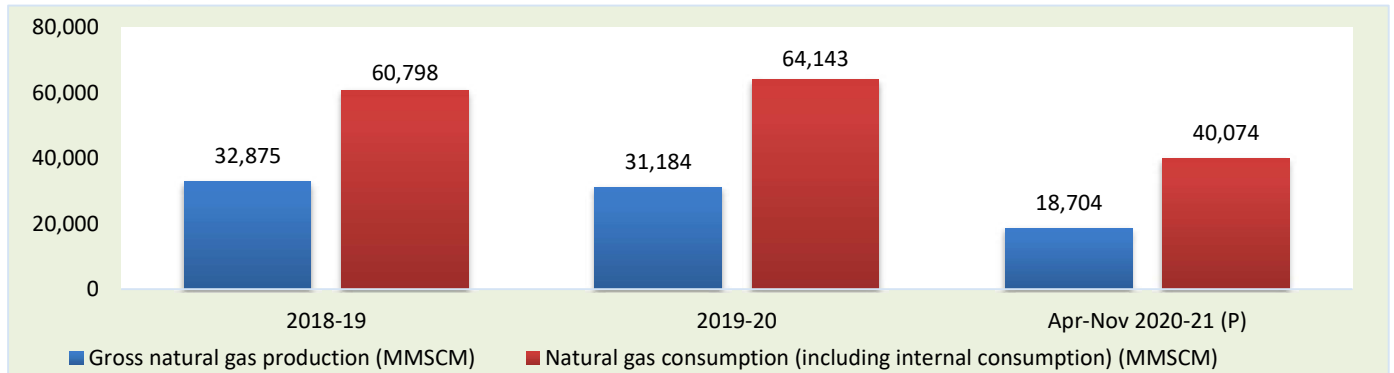
Natural Gas

19. Natural gas at a glance

(MMSCM)

Details	2018-19	2019-20	November			April-November		
			2019-20	2020-21 (Target)*	2020-21 (P)	2019-20	2020-21 (Target)*	2020-21 (P)
(a) Gross production	32,875	31,184	2,563	2,935	2,331	21,210	21,950	18,704
- ONGC	24,677	23,746	1,894	2,006	1,824	15,920	16,299	14,687
- Oil India Limited (OIL)	2,722	2,668	228	276	204	1,852	2,126	1,668
- Private / Joint Ventures (JVs)	5,477	4,770	441	653	304	3,438	3,525	2,349
(b) Net production (excluding flare gas and loss)	32,058	30,257	2,496		2,263	20,604		18,103
(c) LNG import [#]	28,740	33,887	2,589		2,893	21,832		21,971
(d) Total consumption including internal consumption (b+c)	60,798	64,143	5,084		5,156	42,435		40,074
(e) Total consumption (in BCM)	60.8	64.1	5.1		5.2	42.4		40.1
(f) Import dependency based on consumption (%), {c/d*100}	47.3	52.8	50.9		56.1	51.4		54.8

*Provisional targets; [#]Jul-Nov 2020 DGCIS data prorated.



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

Prognosticated CBM resources		91.8	TCF
Established CBM resources		10.4	TCF
CBM Resources (33 Blocks)		62.8	TCF
Total available coal bearing areas (India)		32,760	Sq. KM
Total available coal bearing areas with MoPNG/DGH		21,659	Sq. KM
Area awarded		16,613	Sq. KM
Blocks awarded		33	Nos.
Exploration initiated (Area considered if any boreholes were drilled in the		10,517	Sq. KM
Production of CBM gas	April-March 2020 (P)	421.01	MMSCM
Production of CBM gas	November 2020 (P)	53.91	MMSCM

21. Natural gas pipeline network as on 30.06.2020

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	3,533			23						442	364		4,362
	Capacity	-			-						-	-		-
Total operational length		11,774	2,265	1,460	155	105	312	73	42	24	442	364		17,016
Under construction	Length	6,352			1,398						2,335	1,678	3,780	15,543
	Capacity	-			-						-	-	-	-
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; *Others-APGDC, HEPL, IGGL, IMC, Consortium of H-Energy; #Operating length

22. Existing LNG terminals

Location	Promoters	Capacity as on 01.12.2020	% Capacity utilisation (Apr-Oct 2020)
Dahej	Petronet LNG Ltd (PLL)	17.5 MMTPA	95.0
Hazira	Shell Energy India Pvt. Ltd.	5 MMTPA	96.9
Dabhol	Konkan LNG Limited	*5 MMTPA	40.9
Kochi	Petronet LNG Ltd (PLL)	5 MMTPA	15.8
Ennore	Indian Oil LNG Pvt Ltd	5 MMTPA	11.3
Mundra	GSPC LNG Limited	5 MMTPA	36.2
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 31.10.2020 (P)

Geographical Area/CGD Networks	State/Union Territory	Authorized CGD Entity	CNG stations	PNG connections		
				Domestic	Commercial	Industrial
Kakinada	Andhra Pradesh	Bhagyanagar Gas Limited	10	48,566	112	2
East Godavari District (EAAA)		Godavari Gas Private Limited	13	29,711	4	0
West Godavari District		Godavari Gas Private Limited	11	29,469	11	1
Vijaywada		Bhagyanagar Gas Limited	23	29,252	19	0
Krishna District (EAAA)		Megha Engineering & Infrastructure Limited	14	8,738	75	15
Andhra Pradesh Total			71	145,736	221	18
Chittoor, Kolar and Vellore Districts	Andhra Pradesh, Karnataka & Tamil	AGP City Gas Private Limited	0	0	0	1
Andhra Pradesh, Karnataka & Tamil Nadu Total			0	0	0	1
Upper Assam	Assam	Assam Gas Company Limited	1	35,469	1,153	404
Assam Total			1	35,469	1,153	404
Patna District	Bihar	GAIL (India) Limited	8	17,862	8	0
Aurangabad, Kaimur & Rohtas Districts	Bihar	Indian Oil Corporation Limited	1	0	0	0
Bihar Total			9	17,862	8	0
Chandigarh	Chandigarh (UT), Haryana, Punjab & Himachal Pradesh	Indian-Oil Adani Gas Private Limited	15	111,232	34	6
Chandigarh (UT), Haryana, Punjab & Himachal Pradesh Total			15	111,232	34	6
UT of Dadra & Nagar Haveli	Dadra & Nagar Haveli (UT)	Gujarat Gas Limited	7	5,650	50	40
Dadra & Nagar Haveli (UT) Total			7	5,650	50	40
UT of Daman	Daman & Diu (UT)	Indian-Oil Adani Gas Private Limited	4	3,585	25	24
Daman & Diu (UT) Total			4	3,585	25	24
Diu & Gir Somnath Districts	Daman and Diu & Gujarat	IRM Energy Private Limited	8	0	0	0
Daman and Diu & Gujarat Total			8	0	0	0
North Goa District	Goa	Goa Natural Gas Private Limited	2	4,013	0	2
Goa Total			2	4,013	0	2
Ahmedabad City (Only for CNG)	Gujarat	Hindustan Petroleum Corporation Limited	22	-	-	-
Vadodara		Adani Gas Limited	6	616	1	88
Gandhinagar		Gujarat Gas Limited	14	123,503	532	26
Bhavnagar		Gujarat Gas Limited	21	33,291	264	58
Jamnagar		Gujarat Gas Limited	18	19,329	143	86
Kutch (West)		Gujarat Gas Limited	12	1,181	22	1
Amreli District		Gujarat Gas Limited	13	4,419	20	1
Patan District		Sabarmati Gas Limited	18	10,152	15	5
Dahej Vagra Taluka		Gujarat Gas Limited	4	823	12	26
Dahod District		Gujarat Gas Limited	10	2,580	7	14
Banaskantha District		IRM Energy Private Limited	26	20,918	86	10
Anand District (EAAA)		Gujarat Gas Limited	25	36,968	239	13
Panchmahal District		Gujarat Gas Limited	25	15,324	82	80
Ahmedabad District (EAAA)		Gujarat Gas Limited	8	0	0	0
Surendranagar District (EAAA) & Morbi District (EAAA)		Adani Gas Limited	3	0	0	0
Barwala & Ranpur Talukas		Adani Gas Limited	2	0	0	0
Navsari District (EAAA), Surat District (EAAA), Tapi District (EAAA) & the Dangs District		Adani Gas Limited	2	0	0	0
Junagadh District		Torrent Gas Private Limited	9	0	0	0
Kheda District (EAAA) & Mahisagar District		Adani Gas Limited	8	0	0	0
Narmada (Rajpipla) District		Gujarat Gas Limited	3	0	0	0
Porbandar District		Adani Gas Limited	3	0	0	0

Geographical Area/CGD Networks	State/Union Territory	Authorized CGD Entity	CNG stations	PNG connections			
				Domestic	Commercial	Industrial	
Surat, Bharuch, Ankleshwar		Gujarat Gas Limited	101	668,428	9,139	989	
Nadiad		Gujarat Gas Limited	25	63,664	373	18	
Navsari		Gujarat Gas Limited	23	102,734	254	51	
Rajkot		Gujarat Gas Limited	65	243,691	1,393	972	
Surenranagar		Gujarat Gas Limited	18	24,876	210	361	
Ahmedabad City and Daskroi Area		Adani Gas Limited	66	396,102	3,424	840	
Hazira		Gujarat Gas Limited	1	35,708	122	16	
Valsad		Gujarat Gas Limited	25	106,711	341	683	
Anand area including Kanjari & Vadtal Villages (in Kheda District)		Charotar Gas Sahakari Mandali Limited	6	32,459	663	130	
Gandhinagar Mehsana Sabarkantha		Sabarnati Gas Limited	97	192,227	844	341	
Vadodara		Vadodara Gas Limited	20	162,875	2,597	2	
Gujarat Total			699	2,298,579	20,783	4,811	
Gurugram		Haryana	Haryana City Gas Distribution Limited	29	21,727	137	143
Faridabad	Adani Gas Limited		17	58,661	166	357	
Sonipat	GAIL Gas Limited		16	23,663	39	138	
Panipat District	Indian-Oil Adani Gas Private Limited		8	16,939	7	19	
Yamunanagar District	Bharat Petroleum Corporation Limited		4	5,900	0	0	
Rewari District	Indraprastha Gas Limited		12	8,896	11	56	
Rohtak District	Bharat Petroleum Corporation Limited		1	598	0	0	
Karnal District	Indraprastha Gas Limited		8	7,357	0	0	
Ambala & Kurukshetra Districts	HPOIL Gas Private Limited		3	3,665	0	0	
Bhiwani, Charkhi Dadri & Mahendragarh Districts	Adani Gas Limited		5	0	0	0	
Hisar District	HCG (KCE) Private Limited		2	0	0	0	
Jhajjar District	Haryana City Gas (KCE) Private Limited		2	24	0	0	
Sonipat District (EAAA) & Jind District	Hindustan Petroleum Corporation Limited		6	0	0	0	
Nuh and Palwal Districts	Adani Gas Limited		7	1,475	2	32	
Kaithal District	Indraprastha Gas Limited		2	3,470	0	0	
Gurugram	Indraprastha Gas Limited	7	10993	19	2		
Haryana Total			129	163,368	381	747	
Panchkula District (EAAA), Sirmaur, Shimla & Solan (EAAA) Districts	Haryana & Himachal Pradesh	Indian-Oil Adani Gas Private Limited	1	0	0	0	
Haryana & Himachal Pradesh Total			1	0	0	0	
Sirsa, Fatehabad and Mansa (Punjab) Districts	Haryana & Punjab	Gujarat Gas Limited	3	0	0	0	
Haryana & Punjab Total			3	0	0	0	
Bilaspur, Hamirpur & Una Districts	Himachal Pradesh	Bharat Gas Resources Limited	0	10	0	0	
Himachal Pradesh Total			0	10	0	0	
East Singhbhum District	Jharkhand	GAIL (India) Limited	4	6,776	0	0	
Ranchi District		GAIL (India) Limited	4	9,627	0	0	
Bokaro, Hazaribagh & Ramgarh Districts		Indian Oil Corporation Limited	5	0	0	0	
Giridih & Dhanbad Districts		GAIL Gas Limited	0	2,627	0	0	
Jharkhand Total			13	19,030	0	0	
Bengaluru Rural and Urban Districts	Karnataka	GAIL Gas Limited	24	163,989	189	120	
Tumkur District		Megha Engineering & Infrastructure Limited	0	14,325	82	30	
Dharwad District		Indian-Oil Adani Gas Private Limited	2	9,374	1	0	
Belgaum District		Megha Engineering & Infrastructure Limited	2	10,938	54	19	
Dakshina Kannada District*		GAIL Gas Limited	3	2,916	0	0	

Geographical Area/CGD Networks	State/Union Territory	Authorized CGD Entity	CNG stations	PNG connections		
				Domestic	Commercial	Industrial
Ramanagara District		Maharashtra Natural Gas Limited	4	439	0	1
		Karnataka Total	35	201,981	326	170
Ernakulam District	Kerala	Indian-Oil Adani Gas Private Limited	8	41,940	10	8
Palakkad & Thrissur Districts		Indian-Oil Adani Gas Private Limited	1	0	0	0
Alapuzha, Kollam and Thiruvananthapuram Districts		AGP City Gas Private Limited	0	0	0	1
		Kerala Total	9	41,940	10	9
Dewas	Madhya Pradesh	GAIL Gas Limited	3	12,096	28	40
Dhar District		Naveriya Gas Private Limited	2	426	9	0
Bhopal & Rajgarh Districts		Think Gas Bhopal Private Limited	5	0	0	0
Rewa District		Indian Oil Corporation Limited	1	0	0	0
Indore (including Ujjain City)		Aavantika Gas Limited	39	56,619	92	222
Gwalior		Aavantika Gas Limited	15	21,927	42	5
Gwalior (EAAA) District and Sheopur District		Rajasthan State Gas Limited	2	0	0	0
Ujjain (EAAA) District, Dewas (EAAA) District and Indore (EAAA) District		Gujarat Gas Limited	3	0	0	0
		Madhya Pradesh Total	70	91,068	171	267
Jhabua, Banswara, Ratlam and Dungarpur Districts	Madhya Pradesh and Rajasthan	Gujarat Gas Limited	2	0	0	0
		Madhya Pradesh and Rajasthan Total	2	0	0	0
Jhansi (EAAA) District, Bhind, Jalaun, Lalitpur and Datia Districts	Madhya Pradesh and Uttar Pradesh	Adani Gas Limited	2	0	0	0
		Madhya Pradesh and Uttar Pradesh Total	2	0	0	0
Palghar District & Thane Rural	Maharashtra	Gujarat Gas Limited	13	262	9	20
Raigarh District (EAAA)		Mahanagar Gas Limited	15	39,316	0	1
Pune District (EAAA)		Torrent Gas Pune Limited	15	624	0	3
Ratnagiri District		Unison Enviro Private Limited	12	858	1	18
Kolhapur District		HP Oil Gas Private Limited	4	502	0	0
Latur & Osmanabad Districts		Unison Enviro Private Limited	1	0	0	0
Sindhudurg District		Maharashtra Natural Gas Limited	2	63	0	0
Mumbai & Greater Mumbai		Mahanagar Gas Limited	140	902,953	3,101	15
Pune City including Pimpri - Chichwad & adjoining contiguous areas Hinjewadi, Chakan, Talegaon		Maharashtra Natural Gas Limited	85	287,036	368	219
Thane urban and adjoining Municipalities		Mahanagar Gas Limited	105	577,308	888	59
		Maharashtra Total	392	1,808,922	4,367	335
Valsad (EAAA), Dhule & Nashik Districts	Maharashtra & Gujarat	Maharashtra Natural Gas Limited	10	5,720	0	0
		Maharashtra & Gujarat Total	10	5,720	0	0
National Capital Territory of Delhi	National Capital Territory of Delhi (UT)	Indraprastha Gas Limited	419	966,098	2460	1456
		National Capital Territory of Delhi (UT) Total	419	966,098	2460	1456
Sundargarh & Jharsuguda Districts	Odisha	GAIL Gas Limited	2	0	0	0
Ganjam, Nayagarh & Puri Districts		GAIL Gas Limited	2	0	0	0
Khordha District		GAIL (India) Limited	9	8,122	0	0
Cuttack District		GAIL (India) Limited	6	4,254	0	0
		Odisha Total	19	12,376	0	0
Jalandhar	Punjab	Jay Madhok Energy Private Limited led Consortium	3	0	0	0
Ludhiana		Jay Madhok Energy Private Limited led Consortium	3	0	0	0
Amritsar District		Gujarat Gas Limited	12	2,345	25	0
Bhatinda District		Gujarat Gas Limited	4	225	0	0
Rupnagar District		Bharat Petroleum Corporation Limited	6	4,500	0	0
Fatehgarh Sahib District		IRM Energy Private Limited	5	1,320	15	30

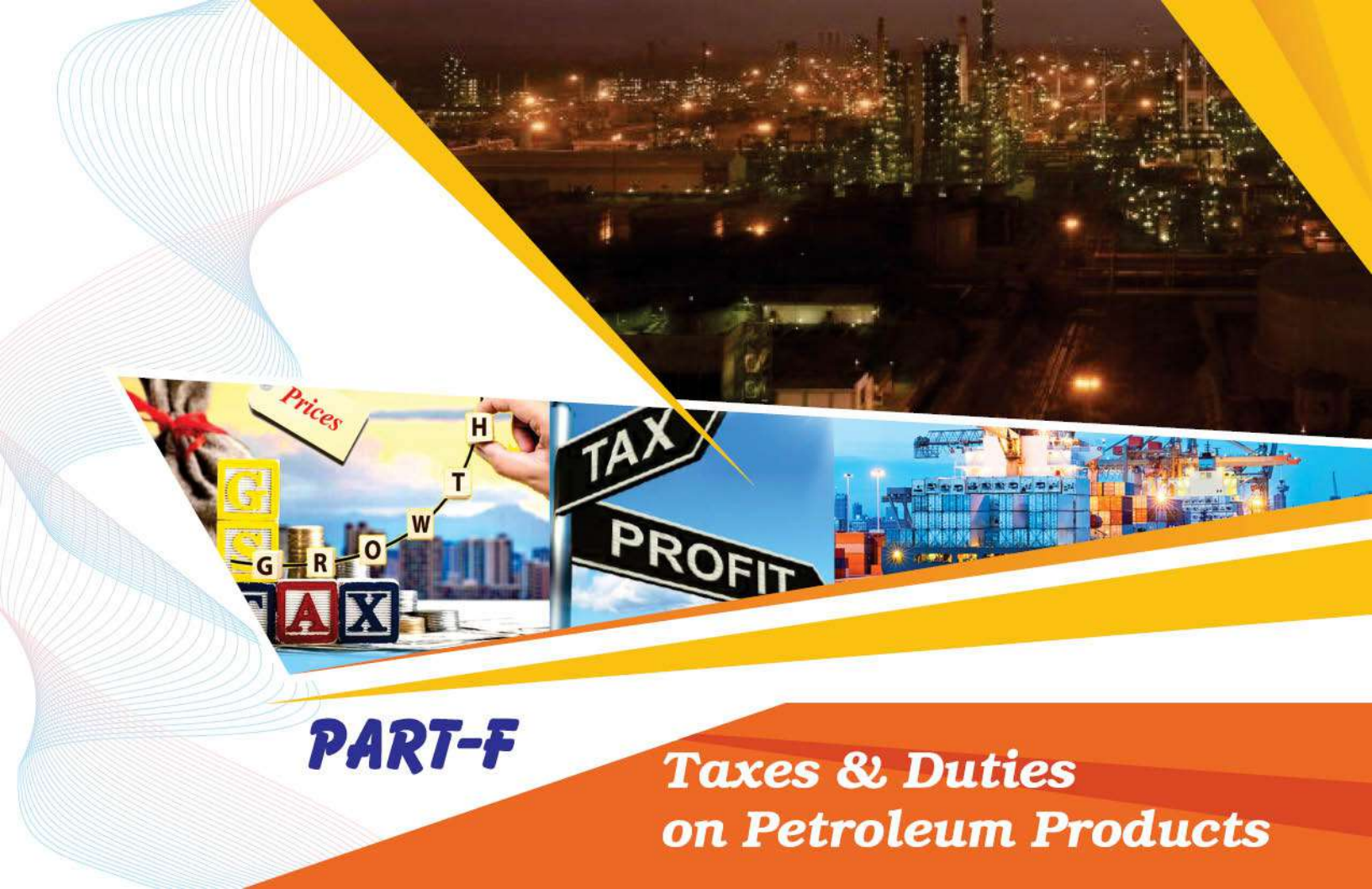
Geographical Area/CGD Networks	State/Union Territory	Authorized CGD Entity	CNG stations	PNG connections		
				Domestic	Commercial	Industrial
SAS Nagar District (EAAA), Patiala & Sangrur Districts		Torrent Gas Private Limited	11	0	0	0
Ludhiana District (EAAA), Barnala & Moga Districts		Think Gas Ludhiana Private Limited	7	0	0	0
Jalandhar District (EAAA), Kapurthala & SBS Nagar Districts		Think Gas Ludhiana Private Limited	9	0	0	0
Ferozepur, Faridkot and Sri Muktsar Sahib Districts		Gujarat Gas Limited	1	0	0	0
Hoshiarpur and Gurdaspur Districts		Gujarat Gas Limited	6	0	0	0
		Punjab Total		67	8,390	40
CNG (DBS) NOC	Rajasthan	Rajasthan State Gas Limited	2	-	-	-
Kota		Rajasthan State Gas Limited	7	13,261	17	15
Barmer, Jaisalmer & Jodhpur Districts		AGP CGD India Private Limited	1	0	0	0
Kota District (EAAA), Baran & Chittorgarh (Only Rawatbhata Taluka) Districts		Torrent Gas Private Limited	8	0	0	0
Bhilwara & Bundi Districts		Adani Gas Limited	4	0	0	0
Chittorgarh (Other than Rawatbhata Taluka) & Udaipur Districts*		Adani Gas Limited	3	0	0	0
Dholpur District		Dholpur CGD Private Limited	3	0	0	0
Bhiwadi (in Alwar District)		Haryana City Gas Distribution (Bhiwadi) Limited	0	228	0	40
Ajmer, Pali and Rajsamand Districts		Indraprastha Gas Limited	0	3,486	0	0
Jalore and Sirohi Districts		Gujarat Gas Limited	4	0	0	0
	Rajasthan Total		32	16,975	17	55
Medak, Siddipet & Sangareddy Districts	Telangana	Torrent Gas Private Limited	11	0	0	0
Hyderabad		Bhagyanagar Gas Limited	62	92,345	17	39
		Telangana Total	73	92,345	17	39
Gomati District	Tripura	Tripura Natural Gas Company Limited	3	0	0	0
West Tripura (EAAA) District		Tripura Natural Gas Company Limited	3	4,873	0	0
Agartala		Tripura Natural Gas Company Limited	5	42,008	442	60
		Tripura Total	11	46,881	442	60
Gautam Budh Nagar District	Uttar Pradesh	Indraprastha Gas Limited	49	240063	592	817
Mathura		Sanwariya Gas Limited	11	4569	39	76
Meerut		GAIL Gas Limited	17	45,406	41	57
Allahabad		Indian-Oil Adani Gas Private Limited	7	35,463	21	3
Jhansi		Central UP Gas Limited	4	0	0	0
Saharanpur District		Bharat Petroleum Corporation Limited	5	7,270	0	0
Bulandshahr (part) District		Indian-Oil Adani Gas Private Limited	1	0	0	0
Bagpat District		Bagpat Green Energy Private Limited	3	0	0	0
Bulandshahr District (EAAA), Aligarh & Hathras Districts		Indian-Oil Adani Gas Private Limited	3	0	0	0
Allahabad District (EAAA), Bhadohi & Kaushambi Districts		Indian-Oil Adani Gas Private Limited	6	113	0	0
Auraiya, Kanpur Dehat & Etawah Districts		Torrent Gas Private Limited	12	0	0	0
Meerut District (EAAA), Muzaffarnagar & Shamli Districts		Indraprastha Gas Limited	10	11,411	3	0
Moradabad (EAAA) District		Torrent Gas Private Limited	10	0	0	0
Unnao (EAAA) District		Green Gas Limited	1	0	0	0
Varanasi District		GAIL (India) Limited	10	21,444	26	0
Khurja		Adani Gas Limited	4	6,067	4	232
Moradabad		Torrent Gas Moradabad Limited	5	8,475	12	72
Bareilly		Central UP Gas Limited	13	27,282	118	18
Kanpur		Central UP Gas Limited	30	65,336	198	65
Agra		Green Gas Limited	23	60,058	61	17
Lucknow	Green Gas Limited	34	51,725	57	11	

Geographical Area/CGD Networks	State/Union Territory	Authorized CGD Entity	CNG stations	PNG connections		
				Domestic	Commercial	Industrial
Ghaziabad & Hapur Districts		Indraprastha Gas Limited	51	223,492	286	357
Azamgarh, Mau and Ballia Districts		Torrent Gas Private Limited	3	0	0	0
Bareilly (EAAA) District, Pilibhit and Rampur Districts		Hindustan Petroleum Corporation Limited	2	0	0	0
Basti and Ambedkarnagar Districts		Torrent Gas Private Limited	2	0	0	0
Gonda and Barabanki Districts		Torrent Gas Private Limited	4	0	0	0
Jaunpur and Ghazipur Districts		Indian-Oil Adani Gas Private Limited	1	0	0	0
Kanpur (EAAA) District, Fatehpur and Hamirpur Districts		Indraprastha Gas Limited	4	3,003	0	0
Shahjahanpur and Budaun Districts		Hindustan Petroleum Corporation Limited	2	0	0	0
Gorakhpur, Sant Kabir Nagar & Kushinagar Districts		Torrent Gas Private Limited	10	0	0	0
Uttar Pradesh Total			337	811,177	1,458	1,725
Firozabad (Taj Trapezium Zone)	Uttar Pradesh & Rajasthan	GAIL Gas Limited	25	16,572	1	341
Uttar Pradesh & Rajasthan Total			25	16,572	1	341
Bijnor and Nainital Districts	Uttar Pradesh and Uttrakhand	Hindustan Petroleum Corporation Limited	1	0	0	0
Uttar Pradesh and Uttrakhand Total			1	0	0	0
Dehradun District	Uttrakhand	GAIL Gas Limited	2	4,249	0	0
Udham Singh Nagar District		Indian-Oil Adani Gas Private Limited	5	9,584	26	30
Haridwar District		Haridwar Natural Gas Private Limited	2	14,935	0	0
Uttrakhand Total			9	28,768	26	30
Burdwan District	West Bengal	Indian-Oil Adani Gas Private Limited	4	0	0	0
CNG stations at Asansol, Raniganj, Kultora, Durgapur		Great Eastern Energy Corporation Limited	7	0	0	0
West Bengal Total			11	0	0	0
Grand Total			2,486	6,953,747	31,990	10,570

Source: PNGRB & GEECL

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	Nov 2020	Particulars	Petrol*	Diesel*
Crude oil (Indian Basket)	69.88	60.47	43.34	Price charged to dealers (excluding Excise Duty and VAT)	26.71	27.42
Petrol	75.58	66.94	45.52	Excise Duty	32.98	31.83
Diesel	82.51	71.78	45.79	Dealers' Commission (Average)	3.65	2.53
Kerosene	82.24	70.56	44.00	VAT (incl VAT on dealers' commission)	19.00	10.64
LPG (\$/MT)	526.00	453.75	436.00	Retail Selling Price	82.34	72.42
FO (\$/MT)	420.93	321.19	268.94			
Naphtha (\$/MT)	573.72	471.08	362.93			
Exchange (Rs./\$)	69.89	70.88	74.22			
Customs, excise duty & GST rates						
Product	Basic customs duty #	Excise duty	GST rates	Particulars	PDS SKO*	Subsidised Domestic LPG*
Petrol	2.50%	Rs 32.98/Ltr^	**	Price before taxes and dealers'/distributors' commission	22.41	551.47
Diesel	2.50%	Rs 31.83/Ltr^	**	Dealers'/distributors' commission	2.59	61.84
PDS SKO	Nil	Not Applicable	5.00%	GST (incl GST on dealers'/distributors' commission)	1.25	30.69
Non-PDS SKO	5.00%		18.00%	Retail Selling Price	26.25	644.00
Domestic LPG	Nil***		5.00%			
Non Domestic LPG	5.00%		18.00%			
Furnace Oil (Non-Fert)	5.00%		18.00%			
Naphtha (Non-Fert)	4.00%		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 @ 3% on petrol and diesel and 10% on other products 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 06.05.2020.

*Petrol and diesel at Delhi as per IOCL are as on 1st December 2020. PDS SKO at Mumbai as on 1st December 2020 and Subsidised Domestic LPG at Delhi as on 2nd December 2020.

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

Under-recoveries/subsidy & burden sharing

PDS Kerosene			
Product	2018-19	2019-20	H1, 2020-21
	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	H1, 2020-21
	Rs./Crore		
DBTL subsidy	31,447	22,635	3,018
PME & IEC^	92	91	-
Total	31,539	22,726	3,018

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

Sales & profit of petroleum sector (Rs. Crores)

Particulars	2019-20		H1, 2020-21	
	Turnover	PAT	Turnover	PAT
Upstream/midstream Companies (PSU)	179,192	22,650	59,241	4,859
Downstream Companies (PSU)	11,74,731	6,633	4,26,918	17,753
Standalone Refineries (PSU)	123,424	-3,405	39,427	1,332
Private-RIL	3,66,177	30,903	116,694	15,840

Borrowings of OMCs (Rs. Crores), As on

Company	Mar`19	Mar`20	Sep`20
IOCL	86,359	116,545	91,505
BPCL	29,099	41,875	27,849
HPCL	27,240	43,021	31,963

Petroleum sector contribution to Central/State Govt.

Particulars	2018-19	2019-20	H1, 2020-21
Central Government	3,48,041	3,34,315	1,53,281
% of total revenue receipts	22%	18%	
State Governments	2,27,591	2,21,056	84,057
% of total revenue receipts	8%	7%	
Total (Rs. Crores)	5,75,632	5,55,370	2,37,338

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-Nov
ONGC Ltd	72,383	28,738	30,115	32,502	14,959
ONGC Videsh Ltd (OVL)	6,240	6,013	5,363	7,235	3,765
Oil India Ltd (OIL)	8,395	3,702	3,724	3,877	2,136
GAIL (India) Ltd	3,613	5,958	4,381	5,412	2,614
Indian Oil Corp. Ltd. (IOCL)	20,345	26,548	28,316	26,233	12,104
Hindustan Petroleum Corp. Ltd (HPCL)	7,134	11,689	13,773	11,500	5,658
Bharat Petroleum Corp. Ltd (BPCL)	8,161	10,084	10,255	9,000	3,716
Mangalore Refinery & Petrochem Ltd (MRPL)	1,281	1,072	1,318	1,150	631
Chennai Petroleum Corp. Ltd (CPCL)	963	1,208	969	569	295
Numaligarh Refinery Ltd (NRL)	387	459	536	949	382
Balmer Lawrie Co. Ltd (BL)	78	125	40	35	17
Engineers India Ltd (EIL) #	-	87	164	60	27
Total	1,28,981	95,684	98,955	98,522	46,303

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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