Snapshot of India's Oil & Gas data

Monthly Ready Reckoner

December 2022

Azadi Ka Amrit Mahotsav

PPAC
Analysis • Knowledge • Information

Petroleum Planning & Analysis Cell

(Ministry of Petroleum & Natural Gas)

Snapshot of India's Oil & Gas data

Monthly Ready Reckoner

December, 2022

Petroleum Planning & Analysis Cell

(Ministry of Petroleum & Natural Gas)

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 Snapshot of India's Oil & Gas data (Monthly Ready Reckoner), released by PPAC, provides monthly 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.

Note: Reported data may undergo change on receipt of actuals

Table of contents

Highlights for the month

- Indigenous crude oil and condensate production during December 2022 was down by 1.1 % than that of December 2021 as compared to a de-growth of 1.1 % during November 2022. OIL registered a growth of 7.0 % and ONGC registered a de - growth of 0.237 % during December 2022 as compared to December 2021. PSC registered de-growth of 7.1 % during December 2022 as compared to December 2021. De-growth of 1.3 % was registered in the total crude oil and condensate production during April - December 2022 over the corresponding period of the previous year.
- Crude oil processed during December 2022 was 22.3 MMT, which was 3.7 % higher than December 2021 as compared to a de-growth of 8.9 % during November 2022. Growth of 6.4 % was registered in the total crude oil processing during April-December 2022 over the corresponding period of the previous year.
- Crude oil imports decreased by 3.0% and increased by 9.9% during December 2022 and April-December 2022 respectively as compared to the corresponding period of the previous year. The net import bill for Oil & Gas was $11.2 billion in December 2022 compared to $10.7 billion in December 2021. In this the crude oil imports constitutes $11.9 billion, LNG imports $1.6 billion and the exports were $4.6 billion during December 2022.
- The price of Brent Crude averaged $81.82/bbl during December 2022 as against $91.67/bbl during November 2022 and $74.10/bbl during December 2021. The Indian basket crude price averaged $78.10/bbl during December 2022 as against $87.55/bbl during November 2022 and $73.30 /bbl during December 2021.
- Production of petroleum products saw a growth of 3.7 % during December 2022 over December 2021 as compared to a de-growth of 9.3 % during November 2022. Growth of 5.4 % was registered in the total POL production during April- December 2022 over the corresponding period of the previous year.
- POL products imports decreased by 13.6% and increased by 5.6% during December 2022 and April-December 2022 respectively as compared to the corresponding period of the previous year. Increase in POL products imports during April-December 2022 were mainly due to increase in imports of all products except aviation turbine fuel (ATF), superior kerosene oil (SKO), lubes/LOBS and fuel oil (FO).

•	Exports of POL products decreased by 17.2% and 2.8% during December 2022 and April- December 2022 respectively as compared to the corresponding period of the previous year. Decrease in POL products exports during April- December 2022 were mainly due to decrease in exports of motor spirit (MS), naphtha, superior kerosene oil (SKO), high speed diesel (HSD), light diesel oil (LDO) and bitumen.
•	The consumption of petroleum products during April-Dec 2022 with a volume of 164.87 MMT reported a growth of 10.5% compared to the volume of 149.16 MMT during the same period of the previous year. This growth was led by 14.6% growth in MS, 14% in HSD & 50% in ATF consumption besides FO/LSHS, Petcoke, Bitument, Lubes & Greases, LPG and others during the period. The consumption of petroleum products during Dec 2022 recorded a growth of 3.1% with a volume of 19.6 MMT compared to the same period of the previous year.
•	Ethanol Blending with Petrol during December 2022, the first month of the Ethanol Supply Year(ESY) 2022-23, achieved 10.43% as compared to 10.02% during the ESY December 2021- November 2022
•	Total Natural Gas Consumption (including internal consumption) for the month of December 2022 was 5154 MMSCM which was 4.1% lower than the corresponding month of the previous year. The cumulative consumption of 45661 MMSCM for the current year till December 2022 was lower by 6.9 % compared with the corresponding period of the previous year.
•	Gross production of natural gas for the month of December 2022 (P) was 2951 MMSCM which was higher by 1.9% compared with the corresponding month of the previous year. The cumulative gross production of natural gas of 25868 MMSCM for the current financial year till December 2022 was higher by 0.8% compared with the corresponding period of the previous year.
•	LNG import for the month of December 2022 (P) was 2266 MMSCM which was 11.5% lower than the corresponding month of the previous year. The cumulative import of 20394 (P) MMSCM for the current year till December 2022 was lower by 15.1% compared with the corresponding period of the previous year.

PART-A

Economic Indicators

1. Selected indicators of the Indian economy

	Economic indicators	Unit/ Base	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23
1	Population (basis RGI projections)	Billion	1.309	1.323	1.337	1.351	1.365	1.377
2	GDP at constant (2011-12 Prices)	Growth %	6.8 3rd RE	6.5 2nd RE	4.0 1st RE	-6.6 1st RE	8.7 PE (2021-22)	7.0 1st AE
3	Agricultural Production (Food grains)	MMT	285.0	285.2	297.5	310.7	315.7 4th AE	149.9 1st AE (Kharif)
		Growth %	3.6	0.1	4.3	4.5	1.6	-
4	Gross Fiscal Deficit (as percent of GDP)	%	3.5	3.4	4.6	9.5 RE	6.8 BE	6.4 BE

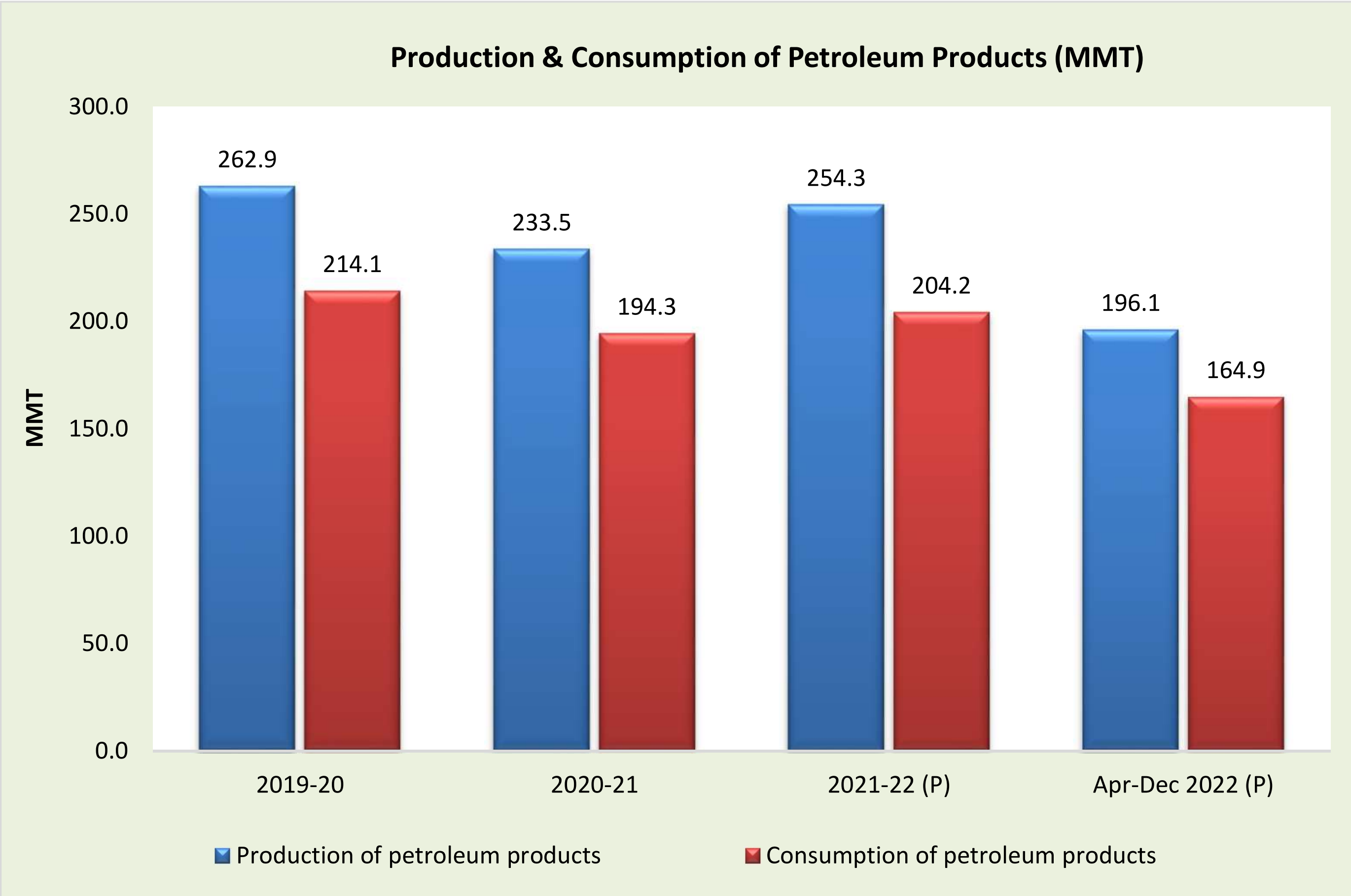
	Economic indicators	Unit/ Base	2020-21	2021-22 (P)	Dec		April-Dec	
					2021-22	2022-23 (P)	2021-22	2022-23 (P)
5	Index of Industrial Production (Base: 2011-12)	Growth %	-8.4	11.4	1.0*	7.1* QE	17.6#	5.5#
6	Imports^	$ Billion	394.4	611.9	53.0	55.9	381.2	493.6
7	Exports^	$ Billion	291.8	419.7	31.8	32.0	265.8	295.3
8	Trade Balance	$ Billion	-102.6	-192.2	-21.2	-23.9	-115.4	-198.4
9	Foreign Exchange Reserves @	$ Billion	579.3	617.6	633.6	562.9	-	-

Population projection by RGI is taken as on 1st July for the year. IIP is for the month of *Nov and #April-Nov; @2020-21-as on March 26, 2021, 2021-22 - as on March 26, 2022, Dec 2021 as on Dec 31, 2021 and Dec 2022-as on Dec 30, 2022; ^Imports & Exports are for Merchandise for the month of November 22; E: Estimates; PE: Provisional Estimates; AE-Advanced Estimates; RE-Revised Estimates; QE-Quick Estimates.

Source: Registrar General India**,** 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**	**2020-21**	**2021-22 (P)**	**Dec**		**April-Dec**		
					2021-22 (P)	**2022-23 (P)**	**2021-22 (P)**	**2022-23 (P)**	
1	Crude oil production in India#	MMT	30.5	29.7	2.5	2.5	22.4	22.1	
2	Consumption of petroleum products*	MMT	194.3	204.2	19.0	19.6	149.2	164.9	
3	Production of petroleum products	MMT	233.5	254.3	22.8	23.6	186.0	196.1	
4	Gross natural gas production	MMSCM	28,672	34,024	2,897	2,951	25,674	25,868	
5	Natural gas consumption	MMSCM	60,815	63,907	5,375	5,154	49,069	45,661	
6	Imports & exports:								
	Crude oil imports	MMT	196.5	212.4	19.6	19.1	156.5	171.9	
		$ Billion	62.2	120.7	10.9	11.9	82.6	125.5	
	Petroleum products (POL) imports*	MMT	43.2	42.1	4.4	3.8	30.9	32.6	
		$ Billion	14.8	25.2	2.5	2.4	18.0	20.9	
	Gross petroleum imports (Crude + POL)	MMT	239.7	254.4	24.1	22.9	187.4	204.5	
		$ Billion	77.0	145.9	13.4	14.3	100.7	146.5	
	Petroleum products (POL) export	MMT	56.8	62.8	6.0	5.0	46.1	44.8	
		$ Billion	21.4	44.4	4.1	4.6	29.6	45.3	
	LNG imports*	MMSCM	33,031	30,776	2,561	2,266	24,033	20,394	
		$ Billion	7.9	13.4	1.3	1.6	9.5	14.3	
	Net oil & gas imports	$ Billion	63.5	114.9	10.7	11.2	80.6	115.5	
7	Petroleum imports as percentage of India's gross imports (in value terms)	%	19.5	23.8	25.3	25.6	26.4	29.7	
8	Petroleum exports as percentage of India's gross exports (in value terms)	%	7.3	10.6	12.8	14.5	11.1	15.3	
9	Import dependency of crude oil (on POL consumption basis)	%	84.4	85.7	86.9	87.2	85.2	87.0	

#Includes condensate; *RIL data prorated for Dec'22. Private direct imports are prorated for the period April'22 to Dec'22 for POL. LNG Imports figures from DGCIS are prorated for Oct-Dec 2022. Total may not tally due to rounding off.


Production & Consumption of Petroleum Products (MMT)
MMT
300.0
250.0
200.0
150.0
100.0
50.0
0.0
262.9
214.1
233.5
194.3
254.3
204.2
196.1
164.9
2019-20
2020-21
2021-22 (P)
Apr-Dec 2022 (P)
Production of petroleum products
Consumption of petroleum products

PART-B

Crude Oil, Refining & Production

3. Indigenous crude oil production (Million Metric Tonnes)

Details	2020-21	2021-22	Dec			April-Dec		
			2021-22	2022-23 Target*	2022-23 (P)	2021-22	2022-23 Target*	2022-23 (P)
ONGC	19.1	18.5	1.6	1.6	1.6	13.9	14.4	14.0
Oil India Limited (OIL)	2.9	3.0	0.3	0.3	0.3	2.2	2.6	2.4
Private / Joint Ventures (JVs)	7.1	7.0	0.6	0.8	0.5	5.3	6.7	4.8
Total Crude Oil	**29.1**	**28.4**	**2.4**	**2.7**	**2.4**	**21.4**	**23.6**	**21.1**
ONGC condensate	1.1	0.9	0.08	0.0	0.1	0.7	0.0	0.8
PSC condensate	0.3	0.30	0.02	0.0	0.03	0.23	0.0	0.22
Total condensate	**1.4**	**1.2**	**0.10**	**0.0**	**0.1**	**0.9**	**0.0**	**1.0**
Total (Crude + Condensate) (MMT)	**30.5**	**29.7**	**2.5**	**2.7**	**2.5**	**22.4**	**23.6**	**22.1**
Total (Crude + Condensate) (Million Bbl/Day)	0.61	0.60	0.59	0.64	0.59	0.60	0.63	0.59

*Provisional targets inclusive of condensate.

4. Domestic and overseas oil & gas production (by Indian Companies)

Details	2020-21	2021-22 (P)	Dec		April-Dec	
			2021-22 (P)	2022-23 (P)	2021-22 (P)	2022-23 (P)
Total domestic production (MMTOE)	59.2	63.7	5.4	5.4	48.1	47.9
Overseas production (MMTOE)	21.9	21.8	1.9	1.5	16.5	14.2

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

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

Details		2020-21	2021-22	Dec		April-Dec	
				2021-22	2022-23 (P)	2021-22	2022-23 (P)
1	High Sulphur crude	161.4	185.0	17.1	17.0	134.8	145.7
2	Low Sulphur crude	60.3	56.7	4.4	5.3	42.4	42.9
Total crude processed (MMT)		**221.8**	**241.7**	**21.5**	**22.3**	**177.2**	**188.6**
Total crude processed (Million Bbl/Day)		4.45	4.85	5.08	5.27	4.72	5.03
Percentage share of HS crude in total crude oil processing		**72.8%**	**76.6%**	**79.5%**	**76.4%**	**76.1%**	**77.3%**

6. Quantity and value of crude oil imports			
Year	**Quantity (MMT)**	**$ Million**	**Rs. Crore**
2020-21	196.5	62,248	4,59,779
2021-22 (P)	212.4	120,675	9,01,262
April-Dec 2022(P)	171.9	125,524	9,96,799

7. Self-sufficiency in petroleum products (Million Metric Tonnes)							
Particulars		**2020-21**	**2021-22 (P)**	**Dec**		**April-Dec**	
				2021-22 (P)	**2022-23 (P)**	**2021-22 (P)**	**2022-23 (P)**
1	Indigenous crude oil processing	28.0	27.0	2.3	2.4	20.3	20.2
2	Products from indigenous crude (93.3% of crude oil processed)	26.1	25.2	2.2	2.2	19.0	18.8
3	Products from fractionators (Including LPG and Gas)	4.2	4.1	0.3	0.3	3.1	2.7
4	Total production from indigenous crude & condensate **(2 + 3)**	30.3	29.3	2.5	2.5	22.1	21.5
5	Total domestic consumption	194.3	204.2	19.0	19.6	149.2	164.9
% Self-sufficiency (4 / 5)		**15.6%**	**14.3%**	**13.1%**	**12.8%**	**14.8%**	**13.0%**

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

Sl. no.	Refinery	Installed capacity (01.01.2022) MMTPA	Crude oil processing (MMT)							
			2020-21	2021-22	Dec			April-Dec		
					2021-22	2022-23 (Target)	2022-23 (P)	2021-22	2022-23 (Target)	2022-23 (P)
1	Barauni (1964)	6.0	5.5	5.6	0.6	0.6	0.5	3.9	4.8	5.1
2	Koyali (1965)	13.7	11.6	13.5	1.3	1.2	1.3	9.7	10.7	11.7
3	Haldia (1975)	8.0	6.8	7.3	0.3	0.7	0.7	5.6	6.3	6.4
4	Mathura (1982)	8.0	8.9	9.1	0.8	0.8	0.9	6.7	6.9	7.1
5	Panipat (1998)	15.0	13.2	14.8	1.3	1.4	0.9	11.2	10.6	10.0
6	Guwahati (1962)	1.0	0.8	0.7	0.08	0.1	0.1	0.46	0.8	0.8
7	Digboi (1901)	0.65	0.6	0.7	0.06	0.06	0.06	0.5	0.5	0.5
8	Bongaigaon(1979)	2.70	2.5	2.6	0.2	0.2	0.3	2.0	1.9	2.0
9	Paradip (2016)	15.0	12.5	13.2	1.3	1.3	1.417	9.3	9.8	9.6
	IOCL-TOTAL	**70.1**	**62.4**	**67.7**	**5.9**	**6.4**	**6.2**	**49.4**	**52.2**	**53.2**
10	Manali (1969)	10.5	8.2	9.0	0.8	0.9	1.0	6.1	7.6	8.4
11	CBR (1993)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	CPCL-TOTAL	**10.5**	**8.2**	**9.0**	**0.8**	**0.9**	**1.0**	**6.1**	**7.6**	**8.4**
12	Mumbai (1955)	12.0	12.9	14.4	1.3	1.3	1.3	10.6	10.3	10.5
13	Kochi (1966)	15.5	13.3	15.4	1.4	1.4	1.5	11.0	11.4	11.5
14	Bina (2011)	7.8	6.2	7.4	0.7	0.7	0.7	5.4	5.6	5.8
	BPCL-TOTAL	**35.3**	**32.4**	**37.2**	**3.3**	**3.3**	**3.6**	**27.1**	**27.4**	**27.8**
15	Numaligarh (1999)	3.0	2.7	2.6	0.1	0.2	0.3	1.9	2.2	2.4

Sl. no.	Refinery	Installed capacity (1.01.2022) (MMTPA)	Crude oil processing (MMT)							
			2020-21	2021-22	Dec			April-Dec		
					2021-22	2022-23 (Target)	2022-23 (P)	2021-22	2022-23 (Target)	2022-23 (P)
16	Tatipaka (2001)	0.066	0.081	0.075	0.007	0.006	0.006	0.055	0.047	0.056
17	MRPL-Mangalore (1996)	15.0	11.5	14.9	1.4	1.5	1.5	10.5	11.7	12.7
	ONGC-TOTAL	**15.1**	**11.6**	**14.9**	**1.4**	**1.5**	**1.5**	**10.6**	**11.7**	**12.8**
18	Mumbai (1954)	9.5	7.4	5.6	0.7	0.6	0.9	3.2	6.3	7.3
19	Visakh (1957)	8.3	9.1	8.4	0.8	1.1	0.8	6.0	7.1	6.8
20	HMEL-Bathinda (2012)	11.3	10.1	13.0	1.1	1.0	1.1	9.8	8.6	9.5
	HPCL- TOTAL	**29.1**	**26.5**	**27.0**	**2.6**	**2.6**	**2.8**	**19.1**	**22.0**	**23.6**
21	RIL-Jamnagar (DTA) (1999)	33.0	34.1	34.8	3.0	3.0	2.8	25.9	25.9	26.2
22	RIL-Jamnagar (SEZ) (2008)	35.2	26.8	28.3	2.5	2.5	2.5	21.9	21.9	20.5
23	NEL-Vadinar (2006)	20.0	17.1	20.2	1.7	1.7	1.7	15.2	15.2	13.7
All India (MMT)		**251.2**	**221.8**	**241.7**	**21.5**	**22.2**	**22.3**	**177.2**	**186.1**	**188.6**
All India (Million Bbl/Day)		**5.02**	**4.45**	**4.85**	**5.08**	**5.25**	**5.27**	**4.72**	**4.96**	**5.03**

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 01.01.2023)

Details		ONGC	OIL	Cairn	HMEL	IOCL	BPCL	HPCL	Others*	Total
Crude Oil	Length (KM)	1,284	1,193	688	1,017	5,301	937			**10,420**
	Cap (MMTPA)	60.6	9.0	10.7	11.3	48.6	7.8			**147.9**
Products	Length (KM)		654			11,214	2,596	3,775	2,386	**20,625**
	Cap (MMTPA)		1.7			59.4	23.0	34.1	9.4	**127.6**

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

OIL & GAS MAP OF INDIA

LEGENDS

Refineries

Refineries (Capacity in MMTPA)

Producing Fields

Major Producing Fields

LNG Terminals

Dabhol, Dahej, Hazira, Kochi, Mundra, Ennore

(Upcoming Terminals) Dhamra, Jafrabad, Jaigarh, Chhara

LEGENDS

Pipelines Network

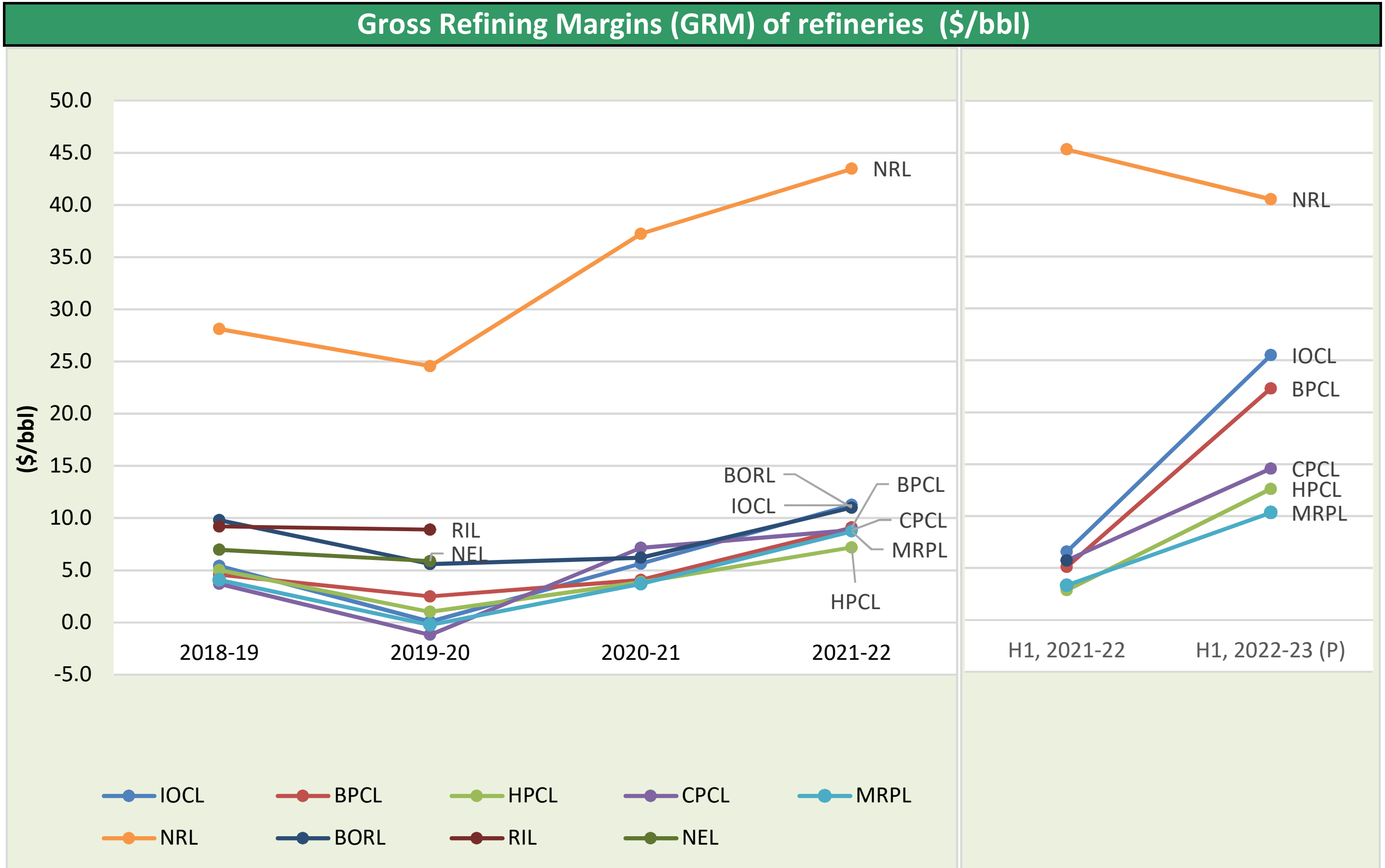
- Crude Oil Pipeline
- Ongoing Crude Oil Pipeline
- Product Pipeline
- Ongoing Product Pipeline
- LPG Pipeline
- Ongoing LPG Pipeline
- Gas Pipeline
- Ongoing Gas Pipeline

10. Gross Refining Margins (GRM) of refineries ($/bbl)					
Company	2019-20	2020-21	2021-22	Apr - Sept	
				2021-22	2022-23 (P)
IOCL	0.08	5.64	11.25	6.57	25.49
BPCL	2.50	4.06	9.09	5.11	22.30
HPCL	1.02	3.86	7.19	2.87	12.62
CPCL	-1.18	7.14	8.85	5.75	14.58
MRPL	-0.23	3.71	8.72	3.33	10.33
NRL	24.55	37.23	43.46	45.31	40.51
BORL	5.60	6.20	11.00	5.70	#
RIL	8.90	*	*	*	*
NEL	5.88	*	*	*	*

GRM of North Eastern refineries are including excise duty benefit

BPCL figures effective 2022-23 includes BORL also after its merger with BPCL

*Not available



GRM of North Eastern refineries are including excise duty benefit

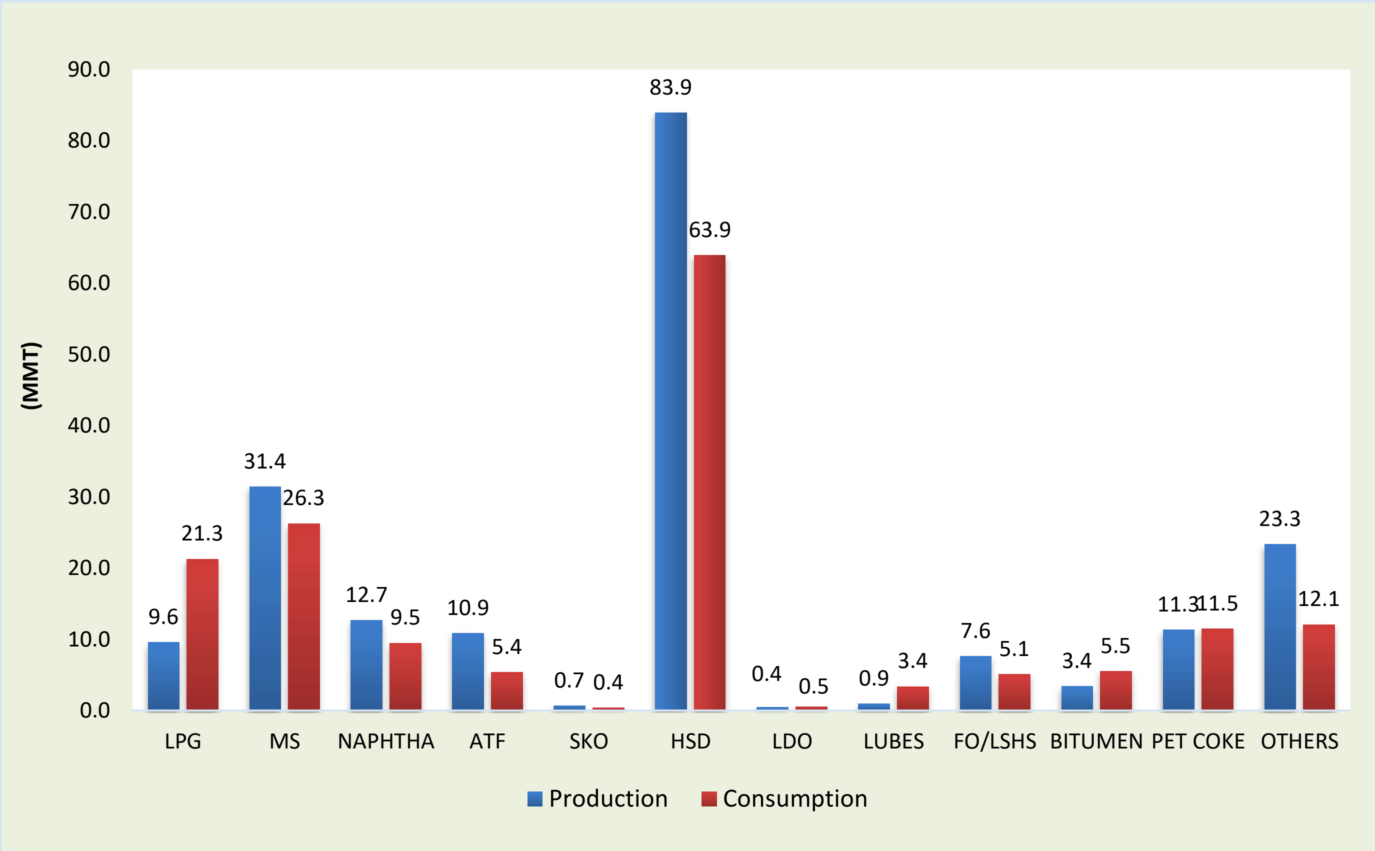
PART-C

Consumption

11. Production and consumption of petroleum products (Million Metric Tonnes)												
Products	**2020-21**		**2021-22 (P)**		**Dec 2021**		**Dec 2022 (P)**		**Apr-Dec 2021**		**Apr-Dec 2022 (P)**	
	Prod	**Cons**	**Prod**	**Cons**	**Prod**	**Cons**	**Prod**	**Cons**	**Prod**	**Cons**	**Prod**	**Cons**
LPG	12.1	27.6	12.2	28.3	1.1	2.5	1.1	2.6	9.0	20.9	9.6	21.3
MS	35.8	28.0	40.2	30.8	3.7	2.8	3.7	3.0	29.4	22.9	31.4	26.3
NAPHTHA	19.4	14.1	20.0	14.3	1.7	1.1	1.4	1.1	14.9	10.6	12.7	9.5
ATF	7.1	3.7	10.3	5.0	1.1	0.6	1.3	0.7	7.3	3.6	10.9	5.4
SKO	2.4	1.8	1.9	1.5	0.2	0.1	0.0	0.0	1.4	1.1	0.7	0.4
HSD	100.4	72.7	107.2	76.7	9.4	7.3	10.0	7.8	78.4	56.1	83.9	63.9
LDO	0.7	0.9	0.8	1.0	0.06	0.09	0.04	0.07	0.6	0.8	0.4	0.5
LUBES	1.1	4.1	1.2	4.6	0.1	0.5	0.1	0.4	0.8	3.3	0.9	3.4
FO/LSHS	7.4	5.6	8.9	6.3	0.9	0.6	0.7	0.6	6.6	4.6	7.6	5.1
BITUMEN	4.9	7.5	5.1	7.9	0.5	0.8	0.4	0.7	3.4	5.2	3.4	5.5
PET COKE	12.0	15.6	15.5	15.8	1.5	1.7	1.4	1.3	11.2	10.6	11.3	11.5
OTHERS	30.2	12.8	30.9	12.1	2.6	1.0	3.4	1.4	23.0	9.4	23.3	12.1
ALL INDIA	**233.5**	**194.3**	**254.3**	**204.2**	**22.8**	**19.0**	**23.6**	**19.6**	**186.0**	**149.2**	**196.1**	**164.9**
Growth (%)	**-11.0%**	**-8.9%**	**8.9%**	**5.1%**	**5.9%**	**3.5%**	**3.7%**	**3.1%**	**9.4%**	**5.5%**	**5.4%**	**10.5%**

Note: Prod - Production; Cons - Consumption

Petroleum Products: April-Nov 2022 (P) (MMT)



12. Kerosene allocation vs upliftment (Kilo Litres)

Product	2019-20		2020-21		2021-22		2022-23 (P)*	
	Allocation	Upliftment	Allocation	Upliftment	Allocation	Upliftment	Allocation	Upliftment
PDS Kerosene	31,21,328	27,93,217	23,15,008	20,38,790	17,83,344	16,59,906	10,31,604	3,31,381

* Allocation is for Q1, Q2 & Q3, 2022-23 and upliftment is for Apr-Dec 2022

13. Ethanol blending programme

Particulars	Ethanol Supply Year *				
	2019-20	2020-21	2021-22	2022-23 (P)	
				Dec-22	Dec'22-Dec'22
Ethanol received by PSU OMCs under EBP Program (in Cr. Litrs)	173.0	296.1	408.1	38.3	38.3
Ethanol blended under EBP Program (in Cr. Litrs)	170.5	302.3	433.6	39.5	39.5
Average Percentage of Blending Sales (EBP%)	5.0%	8.1%	10.0%	10.4%	10.4%

***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.

14. Industry marketing infrastructure (as on 01.01.2023) (Provisional)

Particulars	IOCL	BPCL	HPCL	RIL/RBML/RSIL	NEL	SHELL	Others	Total
POL Terminal/ Depots **(Nos.)**$	120	82	82	18	3		6	**311**
Aviation Fuel Stations **(Nos.)**@	130	62	52	30			2	**276**
Retail Outlets (total) **(Nos.),**^	35,591	20,729	20,791	1,523	6,497	351	47	**85,529**
out of which Rural ROs	11,469	5,108	5,137	130	2,131	86	15	**24,076**
SKO/LDO agencies **(Nos.)**	3,871	927	1,638					**6,436**
LPG Distributors (total) **(Nos.) (PSUs only)**	12,841	6,235	6,265					**25,341**
LPG Bottling plants **(Nos.) (PSUs only)**#	96	54	53				3	**206**
LPG Bottling capacity **(TMTPA) (PSUs only)**&	10,658	4,890	6,170				203	**21,921**
LPG active domestic consumers **(Nos. crore) (PSUs only)**	14.6	8.1	8.7					**31.4**

$(Others=4 MRPL & 2 NRL); @(Others=ShellMRPL); ^(Others=MRPL); #(Others=NRL-1, OIL-1, CPCL-1); &(Others=NRL-60, OIL-23, CPCL-120); RBML- Reliance BP Mobility Limited; RSIL-RBML Solutions India Ltd.

Industry Alternate fuel infrastructure at Retail outlets (Nos. of ROs as on 01.12.2022) (Provisional)

Alternate fuel	PSU	Private	Total
CNG_LNG	4210	37	4247
EV Charging	4937	28	4965
Auto LPG	542	127	669
Compressed Bio-Gas outlets	77	0	77
Total Retail outlets with at least one Alternate fuel	8975	187	9162

PART-D

LPG

15. LPG consumption (Thousand Metric Tonne)

LPG category	2020-21	2021-22	Dec			April-Dec		
			2021-22	2022-23 (P)	Growth (%)	2021-22	2022-23 (P)	Growth (%)
1. PSU Sales :								
LPG-Packed Domestic	25,128.1	25,501.6	2,235.3	2,253.9	0.8%	18,839.5	18,891.4	0.3%
LPG-Packed Non-Domestic	1,886.0	2,238.8	196.6	266.4	35.5%	1,624.1	1,922.2	18.4%
LPG-Bulk	361.9	390.9	26.4	40.3	52.7%	270.6	302.9	11.9%
Auto LPG	118.4	122.0	11.1	9.0	-18.5%	91.2	82.4	-9.7%
Sub-Total (PSU Sales)	27,494.3	28,253.3	**2,469.3**	**2,569.6**	**4.1%**	**20,825.4**	**21,198.9**	**1.8%**
2. Direct Private Imports*	64.2	82.0	9.99	6.4	-36.4%	65.0	57.2	-12.0%
Total (1+2)	27,558.4	28,335.3	**2,479.3**	**2,575.9**	**3.9%**	**20,890.4**	**21,256.1**	**1.8%**

*Apr -Dec 2022 DGCIS data is prorated

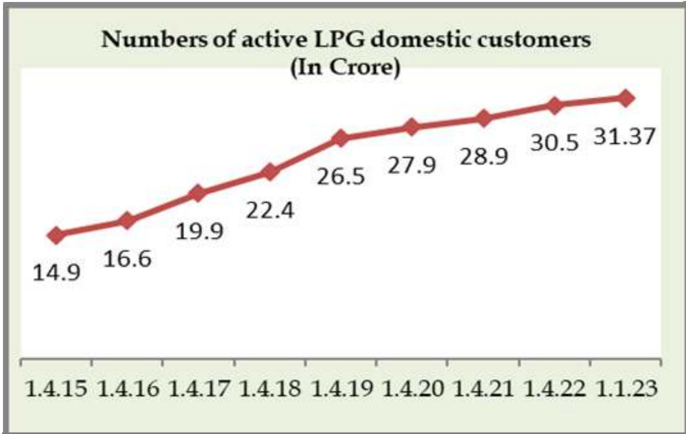
16. LPG marketing at a glance

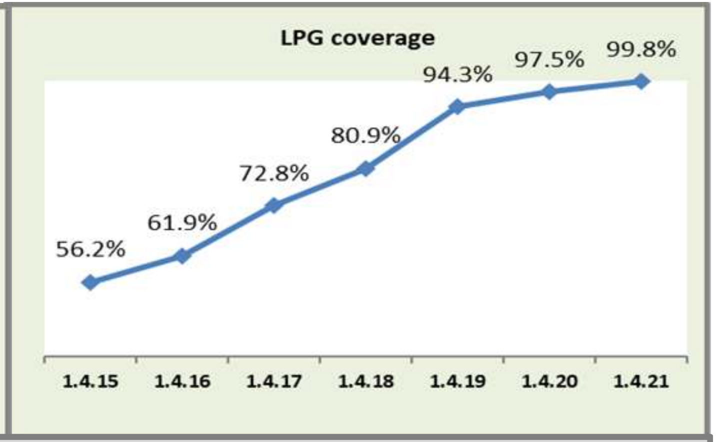
Particulars (As on 1st of April)	Unit	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	1.01.23 (P)
LPG Active Domestic Customers	(Lakh)					1486	1663	1988	2243	2654	2787	2895	3053	3137
	Growth						11.9%	19.6%	12.8%	18.3%	5.0%	3.9%	5.5%	2.8%
LPG Coverage (Estimated)	(Percent)					56.2	61.9	72.8	80.9	94.3	97.5	99.8	-	-
	Growth						10.1%	17.6%	11.1%	16.5%	3.4%	2.3%	-	-
PMUY Beneficiaries	(Lakh)							200	356	719	802	800.4	899.0	958.7
	Growth								77.7%	101.9%	11.5%	-0.2%	12.2%	7.0%
LPG Distributors	(No.)	10541	11489	12610	13896	15930	17916	18786	20146	23737	24670	25083	25269	25341
	Growth	8.8%	9.0%	9.8%	10.2%	14.6%	12.5%	4.9%	7.2%	17.8%	3.9%	1.7%	0.7%	0.6%
Auto LPG Dispensing Stations	(No.)	604	652	667	678	681	676	675	672	661	657	651	601	567
	Growth	12.7%	7.9%	2.3%	1.6%	0.4%	-0.7%	-0.1%	-0.4%	-1.6%	-0.6%	-0.9%	-8.5%	-10.6%
Bottling Plants	(No.)	183	184	185	187	187	188	189	190	192	196	200	202	206
	Growth	0.5%	0.5%	0.5%	1.1%	0.0%	0.5%	0.5%	0.5%	1.1%	2.1%	2.0%	1.0%	3.5%

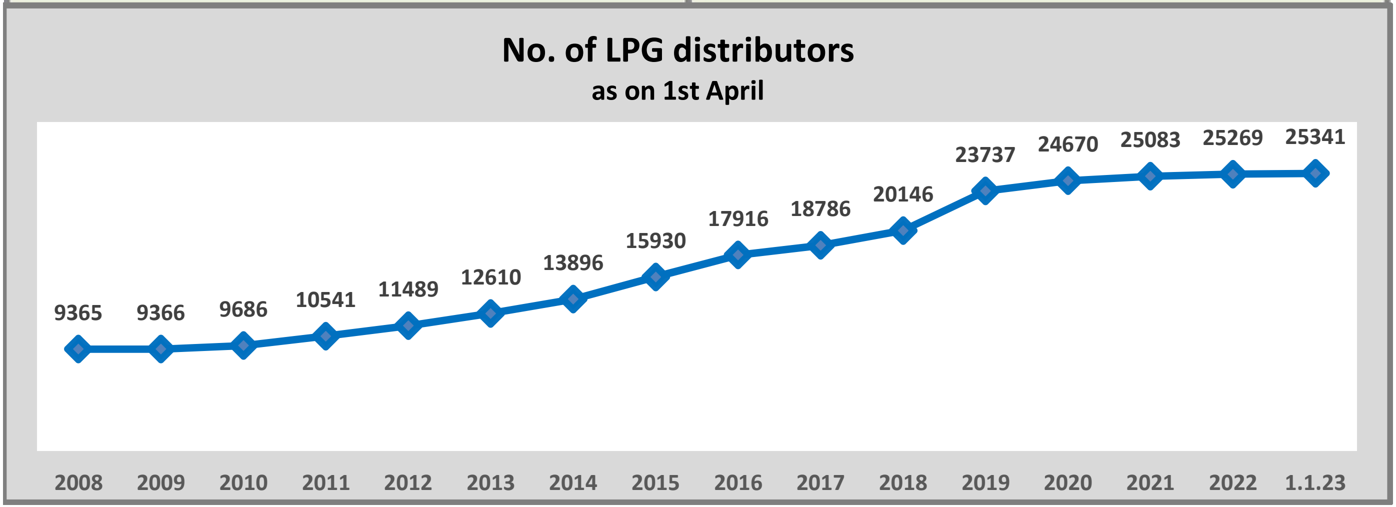
Source: PSU OMCs (IOCL,BPCL and HPCL)

1.Growth rates as on 01.01.2023 are with respect to figs as on 01.01.2022. Growth rates as on 1 April of any year are with respect to figs as on 1 April of previous year.

2. The LPG coverage is calculated by PSU OMCs based upon the active LPG domestic connections and the estimated number of households. The number of households has been projected by PSU OMCs based on 2011 census data. Factors like increasing nuclearization of families, migration of individuals/ families due to urbanization and reduction in average size of households etc. impact the growth of number of households. Due to these factors, the estimated no. of households through projection of 2011 census data may slightly differ from the actual no. of households in a State/UT. Further, this methodology does not include PNG (domestic) connections.

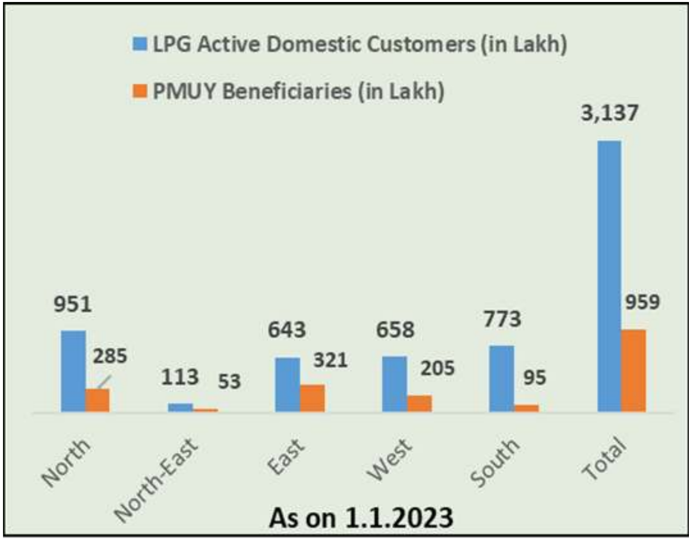

Numbers of active LPG domestic customers
(In Crore)
14.9
16.6
19.9
22.4
26.5
27.9
28.9
30.5
31.37
1.4.15
1.4.16
1.4.17
1.4.18
1.4.19
1.4.20
1.4.21
1.4.22
1.1.23

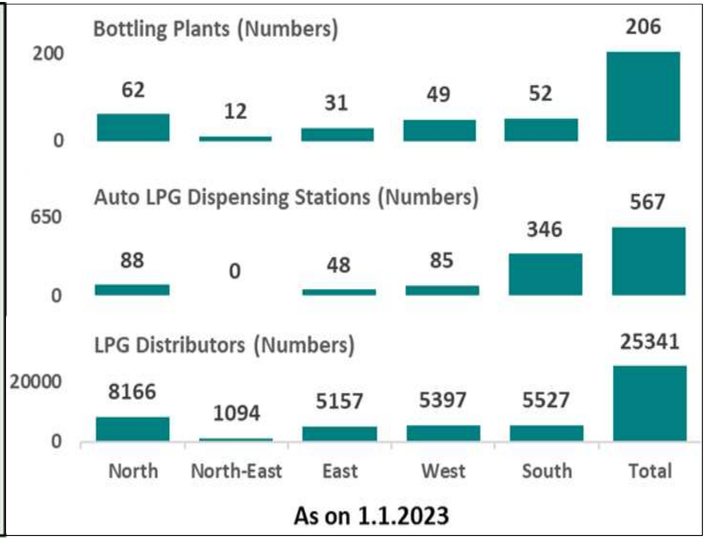

LPG coverage
56.2%
61.9%
72.8%
80.9%
94.3%
97.5%
99.8%
1.4.15
1.4.16
1.4.17
1.4.18
1.4.19
1.4.20
1.4.21


No. of LPG distributors
as on 1st April
9365
9366
9686
10541
11489
12610
13896
15930
17916
18786
20146
23737
24670
25083
25269
25341
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020
2021
2022
1.1.23

17-Region-wise data on LPG marketing (As on 01.01.2023)						
Particulars	**North**	**North-East**	**East**	**West**	**South**	**Total**
LPG Active Domestic Customers (in Lakh)	950.6	113.4	643.0	657.6	772.5	3137.1
PMUY Beneficiaries (in Lakh)	285.3	52.9	320.9	204.7	94.9	958.7
LPG Distributors (Numbers)	8166	1094	5157	5397	5527	25341
Auto LPG Dispensing Stations (Numbers)	88	0	48	85	346	567
Bottling Plants* (Numbers)	62	12	31	49	52	206

*Includes Numaligarh BP, Duliajan BP and CPCL BP.





PART-E

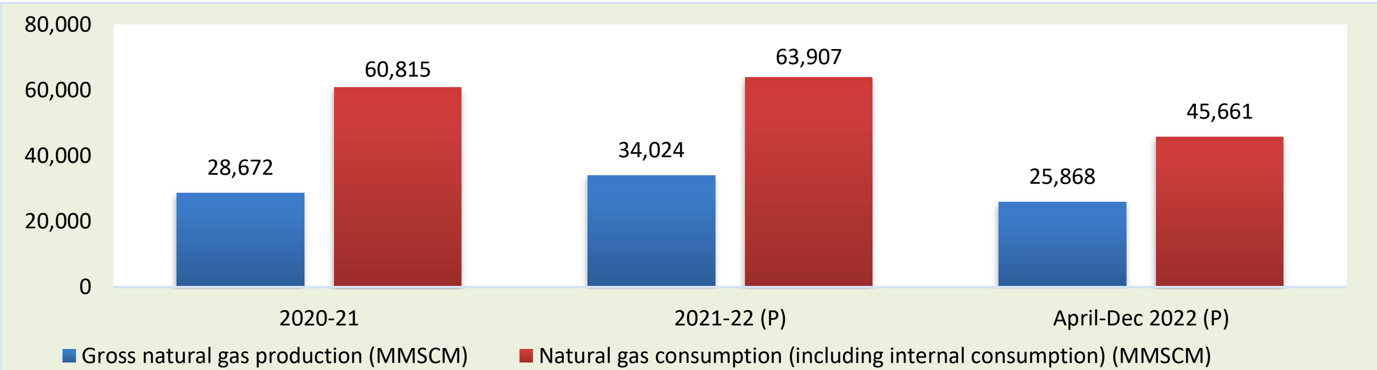
Natural Gas

18. Natural gas at a glance

(MMSCM)

Details	2020-21 (P)	2021-22 (P)	Dec 2021-22 (P)	Dec 2022-23 (Target)	Dec 2022-23 (P)	April-Dec 2021-22 (P)	April-Dec 2022-23 (Target)	April-Dec 2022-23 (P)
(a) Gross production	28,672	34,024	2,897	3,032	2,951	25,674	26,724	25,868
- ONGC	21,872	20,629	1,757	1,693	1,680	15,542	15,305	15,057
- Oil India Limited (OIL)	2,480	2,893	240	315	257	2,190	2,799	2,295
- Private / Joint Ventures (JVs)	4,321	10,502	899	1,024	1,014	7,942	8,620	8,516
(b) Net production (excluding flare gas and loss)	27,784	33,131	2,814		2,888	25,036		25,267
(c) LNG import#	33,031	30,776	2,561		2,266	24,033		20,394
(d) Total consumption including internal consumption (b+c)	60,815	63,907	5,375		5,154	49,069		45,661
(e) Total consumption **(in BCM)**	60.8	63.9	5.4		5.2	49.1		45.7
(f) Import dependency based on consumption (%), {c/d*100}	54.3	48.2	47.6		44.0	49.0		44.7

Oct - Dec 2022 DGCIS data prorated.



19. 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		17652	Sq. KM
Area awarded		20460	Sq. KM
Blocks awarded*		36	Nos.
Exploration initiated (Area considered if any boreholes were drilled in the awarded block)		10670***	Sq. KM
Production of CBM gas	April-Dec 2022 (P)	511.50	MMSCM
Production of CBM gas	Dec 2022 (P)	56.18	MMSCM

*ST CBM Block awarded & relinquished twice- in CBM Round II and Round IV -Area considered if any boreholes were drilled in the awarded block. **MoPNG awarded 04 new CBM Blocks (Area 3862 sq. km) under Special CBM Bid Round 2021 in September 2022. ***Area considered if any boreholes were drilled in the awarded block.

19a. Status of Compressed Bio Gas (CBG) projects under SATAT (as on 01.01.2023) (Provisional)

Particulars	Units	IOCL	HPCL	BPCL	GAIL	IGL	Total
LOIs issued	No. of plants	2756	474	318	275	50	**3823**
Expected CBG production against LOI issued	Tons per day	19414	2575	1412	1567	247	**24968**
No. of CBG plants commissioned/ Sale initiated	No. of plants	18	4	1	8	2	**31**
Start of CBG sale from retail outlet(s)	Nos.	39*	20**	37***	1	1	**98**
Injection/Supply of CBG in CGD network	GA Nos.	-	-	-	11	1	**12**
Total Sale of CBG (since Sep'2019)	Tons	9472*	1349**	1617***	2923****	468	**468**

*All 39 IOCL ROs. Sales include sale through RO & Industrial consumers. *2 HPCL ROs sourcing CBG from HPCL LOI holder plants, 18 HPCL ROs sourcing CBG from other than HPCL LOI holder plants. ** BPCL CBG sales from 37 ROS. Out of 37 ROS, for 1 RO sourcing CBG from own LOI holder & other ROs CBG is being sourced from other OMC's LOI holder(s). ****Sale of CBG by GAIL includes sales through its own channels as well as through other CGDs for CBG sourced under synchronization scheme from other Oil & Gas Company's LOI holders.

20. Common Carrier Natural Gas pipeline network as on 30.09.2022

Nature of pipeline		GAIL	GSPL	PIL	IOCL	AGCL	RGPL	GGL	DFPCL	ONGC	GIGL	GITL	Others*	Total
Operational	Length	9,577	2,695	1,459	143	107	304	73	42	24				**14,424**
	Capacity	167.2	43.0	85.0	20.0	2.4	3.5	5.1	0.7	6.0				**-**
Partially commissioned#	Length	4,777			282						1,254	365		**6,678**
	Capacity				-						-	-		**-**
Total operational length		**14,354**	**2,695**	**1,459**	**425**	**107**	**304**	**73**	**42**	**24**	**1,254**	**365**	**0**	**21,102**
Under construction	Length	5,097	100		1,149						1,078	1,666	2,915	**12,005**
	Capacity	-	3.0		-						-	-	-	**-**
Total length		**19,451**	**2,795**	**1,459**	**1,574**	**107**	**304**	**73**	**42**	**24**	**2,332**	**2,031**	**2,915**	**33,107**

Source: PNGRB; Length in KMs ; Authorized Capacity in MMSCMD; *Others-APGDC, HEPL, IGGL, IMC, Consortium of H-Energy. Total authorized Natural Gas pipelines including Tie-in connectivity, dedicated & STPL is 35335 Kms (P)

21. Existing LNG terminals

Location	Promoters	Capacity as on 01.01.2023	% Capacity utilisation (April-Nov 2022)
Dahej	Petronet LNG Ltd (PLL)	17.5 MMTPA	79.3
Hazira	Shell Energy India Pvt. Ltd.	5.2 MMTPA	43.9
Dabhol	Konkan LNG Limited	*5 MMTPA	27.2
Kochi	Petronet LNG Ltd (PLL)	5 MMTPA	17.5
Ennore	Indian Oil LNG Pvt Ltd	5 MMTPA	13.0
Mundra	GSPC LNG Limited	5 MMTPA	17.7
Total Capacity		**42.7 MMTPA**	

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

22. Status of PNG connections and CNG stations across India (Nos.), as on 31.10.2022(P)

State/UT (State/UTs are clubbed based on the GAs authorised by PNGRB)	CNG Stations	PNG connections		
		Domestic	Commercial	Industrial
Andhra Pradesh	151	241,884	411	32
Andhra Pradesh, Karnataka & Tamil Nadu	29	170	0	2
Assam	1	47,193	1,319	439
Bihar	70	85,153	56	2
Bihar & Jharkhand	1	5,560	0	0
Chandigarh (UT), Haryana, Punjab & Himachal Pradesh	24	24,471	109	19
Dadra & Nagar Haveli (UT)	7	9,992	54	54
Daman & Diu (UT)	4	5,134	46	42
Daman and Diu & Gujarat	14	1,580	3	0
Goa	11	10,367	15	27
Gujarat	969	2,858,013	21,899	5,742
Haryana	291	285,652	765	1,399
Haryana & Himachal Pradesh	9	0	0	0
Haryana & Punjab	17	0	0	0
Himachal Pradesh	7	3,677	0	0
Jharkhand	64	94,675	2	0
Karnataka	236	362,470	485	272
Kerala	94	28,948	19	14
Kerala & Puducherry	9	118	0	0
Madhya Pradesh	194	183,656	309	398
Madhya Pradesh and Chhattisgrah	3	0	0	0
Madhya Pradesh and Rajasthan	24	152	0	0
Madhya Pradesh and Uttar Pradesh	16	0	0	0
Maharashtra	620	2,582,816	4,548	808
Maharashtra & Gujarat	52	131,181	3	13
National Capital Territory of Delhi (UT)	466	1,329,722	3,353	1,774
Odisha	44	75,905	5	0
Puducherry & Tamil Nadu	8	107	0	0
Punjab	177	55,928	252	220
Rajasthan	195	173,377	61	219
Tamil Nadu	152	18	0	6
Telangana	134	180,820	71	90
Telangana and Karnataka	1	0	0	0
Tripura	18	57,598	506	62
Uttar Pradesh	681	1,278,299	2,089	2,451
Uttar Pradesh & Rajasthan	38	18,958	36	340
Uttar Pradesh and Uttrakhand	16	6,263	0	0
Uttrakhand	29	63,922	51	78
West Bengal	42	0	0	0
Total	**4,918**	**10,203,779**	**36,467**	**14,503**

Source: PNGRB

Note: 1. All the GAs where PNG connections/CNG Stations have been established are considered as Operational, 2. Under normal conditions. Operation of any particular GA commences within around one year of authorization. 3. State/UTs wherever clubbed are based on the GAs authorised by PNGRB.

23. 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	2.50	5.30
April 2017 - September 2017	2.48	5.56
October 2017 - March 2018	2.89	6.30
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
October 2021 - March 2022	2.90	6.13
April 2022 - September 2022	6.10	9.92
October 2022 - March 2023	8.57	12.46

24. CNG/PNG prices

City	CNG (Rs/Kg)	PNG (Rs/SCM)	Source
Delhi	79.56	53.59	IGL website (13.01.2023)
Mumbai	89.50	54.00	MGL website (13.01.2023)

Indian Natural Gas Spot Price for Physical Delivery

IGX Price Index Month	Avg. Price		Volume (MMSCM)	Source
	INR/MMBtu	$/MMBtu		
Dec 2022	1294	15.69	87.80	As per IGX website: www.igxindia.com

*Prices are weighted average prices | $1=INR 82.46| 1 MMBtu=25.2 SCM

PART-F

Taxes & Duties on Petroleum Products

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

International FOB prices/ Exchange rates ($/bbl)

Particulars	2020-21	2021-22	Dec 2022
Crude oil (Indian Basket)	44.82	79.18	78.10
Petrol	47.68	89.66	85.45
Diesel	47.86	88.45	107.17
Kerosene	43.60	85.31	104.08
LPG ($/MT)	415.17	692.67	650.00
FO ($/MT)	259.30	445.25	336.37
Naphtha ($/MT)	378.93	698.25	543.97
Exchange (Rs./$)	74.20	74.51	82.46

Customs, excise duty & GST rates

Product	Basic customs duty #	Excise duty	GST rates
Petrol	2.50%	Rs 19.90/Ltr	**
Diesel	2.50%	Rs 15.80/Ltr	**
PDS SKO	5.00%	Not Applicable	5.00%
Non-PDS SKO	5.00%		18.00%
Domestic LPG	Nil***		5.00%
Non Domestic LPG	5.00%		18.00%
Furnace Oil (Non-Fert)	2.50%		18.00%
Naphtha (Non-Fert)	1.00%		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 + Rs. 2100/ MT SAED ^^	**

*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 03.01.2023 SAED on crude oil.

Price buildup of petroleum products (Rs./litre/Cylinder) *

Particulars	Petrol	Diesel
Price charged to dealers (excluding Excise Duty and VAT)	57.36	58.16
Excise Duty	19.90	15.80
Dealers' Commission (Average)	3.75	2.55
VAT (incl VAT on dealers' commission)	15.71	13.11
Retail Selling Price	**96.72**	**89.62**

Particulars	PDS SKO	Subsidised Domestic LPG
Price before taxes and dealers'/distributors' commission	65.23	938.01
Dealers'/distributors' commission	2.67	64.84
GST (incl GST on dealers'/distributors' commission)	3.40	50.15
Retail Selling Price	**71.30**	**1053.00**

*Petrol and Diesel at Delhi as per IOCL are as on 01st January 2023. PDS SKO at Mumbai as on 1st January 2023 and Subsidised Domestic LPG at Delhi as on 1st January 2023.

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

PDS Kerosene /DBTL Subsidy

PDS Kerosene

Product	2018-19	2019-20	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 mechanisam 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
	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	2021-22		H1-2022-23 (P)	
	Turnover	PAT	Turnover	PAT
Upstream/midstream Companies (PSU)	215,625	54,557	167,641	35,760
Downstream Companies (PSU)	15,29,502	39,355	9,68,108	-21,201
Standalone Refineries (PSU)	169,984	7,859	130,942	5,439
Private-RIL	466,425	39,084	304,026	22,011

Borrowings of OMCs (Rs. Crores), As on

Company	Mar`21	Mar'22	Sept`22 (P)
IOCL	102,327	110,799	140,322
BPCL	26,315	24,123	48,237
HPCL	40,009	43,193	68,546

Petroleum sector contribution to Central/State Govt.

Particulars	2020-21	2021-22	H1-2022-23 (P)
Central Government	4,55,069	492,303	197,055
% of total revenue receipts	28%	24%	
State Governments	2,17,650	282,122	160,242
% of total revenue receipts	8%	8%	
Total (Rs. Crores)	**6,72,719**	**7,74,425**	**357,296**

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

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

Note: GDP figure for 2018-19, 2019-20 and 2020-21 are Revised Estimates.
**Totals may not tally due to roundoff.

PART-G

Miscellaneous

26. Capital expenditure of PSU oil companies

(Rs in crores)

Company	2019-20	2020-21	2021-22 (P)	2022-23 (P)	
				Target (Annual)	April -Dec 22
ONGC Ltd	30,115	26,441	26,621	29,950	19,153
ONGC Videsh Ltd (OVL)	5,363	5,351	4,836	8,180	1,970
Oil India Ltd (OIL)	3,724	12,802	4,239	4,302	2,902
GAIL (India) Ltd	4,381	5,560	6,970	7,500	6,188
Indian Oil Corp. Ltd. (IOCL)	28,316	27,195	29,604	28,549	24,495
Hindustan Petroleum Corp. Ltd (HPCL)	13,773	14,036	16,205	14,500	8,849
Bharat Petroleum Corp. Ltd (BPCL)	10,255	10,697	11,449	10,000	8,930
Mangalore Refinery & Petrochem Ltd (MRPL)	1,318	2,218	604	815	339
Chennai Petroleum Corp. Ltd (CPCL)	969	592	575	584	461
Numaligarh Refinery Ltd (NRL)	536	981	3,403	6,774	4,273
Balmer Lawrie Co. Ltd (BL)	40	42	23	40	30
Engineers India Ltd (EIL)	164.43	730	67	160	40
Total	**98,955**	**106,642**	**104,596**	**111,354**	**77,631**

Includes expenditure on investment in JV/subsidiaries.

(P) Provisional

Totals may not tally due to roundoff.

27. Conversion factors and volume conversion

Weight to volume conversion

Product	Weight (MT)	Volume (KL)	Barrel (bbl)
LPG	1	1.844	11.60
Petrol (MS)	1	1.411	8.88
Diesel (HSD)	1	1.210	7.61
Kerosene (SKO)	1	1.285	8.08
Aviation Turbine Fuel (ATF)	1	1.288	8.10
Light Diesel Oil (LDO)	1	1.172	7.37
Furnace Oil (FO)	1	1.0424	6.74
Crude Oil	1	1.170	7.33

Exclusive Economic Zone

200 Nautical Miles	370.4 Kilometers

Volume conversion

From	To
1 US Barrel (bbl)	159 litres
1 US Barrel (bbl)	42 US Gallons
1 US Gallon	3.78 litres
1 Kilo litre (KL)	6.29 bbl
1 Million barrels per day	49.8 MMTPA

Energy conversion

1 Kilocalorie (kcal)	4.187 kJ
1 Kilocalorie (kcal)	3.968 Btu
1 Kilowatt-hour (kWh)	860 kcal
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

IEW

INDIA ENERGY WEEK

UNDER THE PATRONAGE OF

सत्यमेव जयते

MINISTRY OF PETROLEUM AND NATURAL GAS

6-8 February 2023, Bengaluru, India

Growth. Collaboration. Transition.

PPAC

Analysis • Knowledge • Information

Petroleum Planning & Analysis Cell

(Ministry of Petroleum & Natural Gas, Government of India)

SCOPE Complex, 2nd Floor Core-8, Lodhi Road, New Delhi-110003

Tel.: 011-24306191/92, 011-24361314, Fax : 011-24361253 www.ppac.gov.in