

वर्युंधेव कुटुम्बकम् ONE EARTH • ONE FAMILY • ONE FUTURE Snapshot of India's Oil & Gas data Monthly Ready Reckoner August 2023





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

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

## Monthly Ready Reckoner August-23



**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.

#### **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
	Oil and Gas map of India	13
10	Gross Refining Margins (GRM) of companies; Graph	14-15
	CONSUMPTION	
11	Production and consumption of petroleum products; Graph	17-18
12	Kerosene allocation vs upliftment	19
13	Ethanol blending programme	19
14	Industry marketing infrastructure	19
	LIQUEFIED PETROLEUM GAS (LPG)	
15	LPG consumption	21
16	LPG marketing at a glance; Graph	21-22
17	Region-wise data on LPG marketing; Graph	23
	NATURAL GAS	
18	Natural gas at a glance; Graph	25
19	Coal Bed Methane (CBM) gas development in India	26
20	Major natural gas pipeline network	26
21	Existing LNG terminals	26
22	Status of PNG connections & CNG stations across India	27-28
23	Domestic natural gas price and gas price ceiling	29
24	CNG/PNG prices in selected cities	29
	TAXES & DUTIES ON PETROLEUM PRODUCTS	
25	Information on prices, taxes and under-recoveries/subsidies	31-32
	MISCELLANEOUS	
26	Capital expenditure of PSU oil companies	34
27	Conversion factors and volume conversion	35

#### Highlights for the month

- Indigenous crude oil and condensate production during August 2023 was 2.49 MMT. OIL registered a production of 0.28 MMT, ONGC registered a production of 1.61 MMT whereas PSC registered production of 0.60 MMT during August 2023.A growth of 2.1% has been achieved in total Crude Oil & Condensate Production in August 2023 as compared to August 2022.
- 'Total Crude oil processed during August 2023 was 21.9 MMT which is 12.2% higher than August 2022, where PSU/JV Refiners processed 14.7 MMT and PVT Refiners Processed 7.2 MMT of Crude Oil. Total Indigenous Crude Oil processed was 2.1 MMT and total Imported Crude oil processed was 19.8 by all Indian Refineries (PSU+JV+PVT). A growth of 2.6 % has been achieved in total Crude oil processed in April- August FY 2023–24 as compared to same period of FY 2022–23.
- Crude oil imports increased by 6.2% and decreased by 0.6% during August 2023 and April-August 2023 respectively as compared to the corresponding period of the previous year. As compared to net import bill for Oil & Gas for August 2022 of \$11.8 billion, the net import bill for Oil & Gas for August 2023 was \$9.3 billion. Out of which, crude oil imports constitutes \$10.9 billion, LNG imports \$1.3 billion and the exports were \$4.9 billion during August 2023.
- The price of Brent Crude averaged \$86.22/bbl during August 2023 as against \$80.05/bbl during July 2023 and \$99.99/bbl during August 2022. The Indian basket crude price averaged \$86.43/bbl during August 2023 as against \$80.37/bbl during July 2023 and \$97.40 /bbl during August 2022.
- 'Production of petroleum products was 22.9 MMT during August 2023 which is 9.5% higher than August 2022. Out of 22.9 MMT, 22.6 MMT was from Refinery production & 0.3 MMT was from Fractionators. There was a growth of 3.7 % in Production of petroleum products in April-August FY 2023 24 as compared to same period of FY 2022 23. Out of total POL production, in August 2023, HSD has 41.3 % share,MS has 16.7 %, Naphtha has 6.8 %, ATF has 6.5 %, Pet Coke has 5.4, % LPG has 4.3%, which are the major products and rest are shared by Bitumen, FO/LSHS, LDO, Lubes & others.

POL products imports increased by 26.6% and 7.3% during August 2023 and April-August 2023 respectively as compared to
the corresponding period of the previous year. Increase in POL products imports during April-August 2023 were mainly due to increase in imports of bitumen, petcoke, naphtha etc.

Exports of POL products increased by 11.2% and decreased by 2.6% during August 2023 and April-August 2023 respectively
as compared to the corresponding period of the previous year. Decrease in POL products exports during April-August 2023
were mainly due to decrease in exports of high-speed diesel (HSD), naphtha etc.

The consumption of petroleum products during April-August 2023, with a volume of 95.6 MMT, reported a growth of 5.5% compared to the volume of 90.5 MMT during the same period of the previous year. This growth was led by 5.9% growth in MS, 6.7% in HSD & 13.8% in ATF & 10.8% in Naptha consumption besides LPG, Lubes, Bitumen, Petcoke and LDO during the period. The consumption of petroleum products during August 2023 recorded a growth of 6.5% with a volume of 18.6 MMT compared to the same period of the previous year.

• Ethanol blending with Petrol was 11.3% during August 2023 and cumulative ethanol blending during December 2022-August 2023 was 11.7%.

 Total Natural Gas Consumption (including internal consumption) for the month of August 2023 was 5345 MMSCM which was 10% higher than the corresponding month of the previous year. The cumulative consumption of 26743 MMSCM for the current financial year till August 2023 was higher by 3.7% compared with the corresponding period of the previous year.

 Gross production of natural gas for the month of August 2023 (P) was 3166 MMSCM which was higher by 9.3% compared with the corresponding month of the previous year. The cumulative gross production of natural gas of 14852 MMSCM for the current financial year till August 2023 was higher by 3.6% compared with the corresponding period of the previous year.

 LNG import for the month of August 2023 (P) was 2234 MMSCM which was 10.1% higher than the corresponding month of the previous year. The cumulative import of 12215 (P) MMSCM for the current financial year till August 2023 was higher by 3.5% compared with the corresponding period of the previous year.

## ÷ , i GROSS DOMESTIC PRODU PART-A **Economic Indicators**

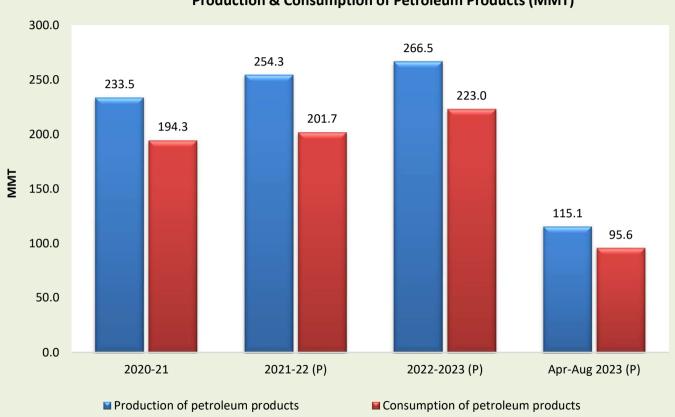
	1. S	elected ind	licators of	the Indiar	n economy	/		
	Economic indicators	Unit/ Base	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
1	Population (basis RGI projections)	Billion	1.323	1.337	1.351	1.365	1.377	1.388
2	GDP at constant (2011-12 Prices)	Growth %	6.5	4.0	-6.6	9.1	7.2	6.5
	· · · ·		2nd RE	1st RE	1st RE	1st RE	PE	BE
		MMT	285.2	297.5	310.7	315.7	323.6	
3	Agricultural Production					4th AE	2nd AE	-
	(Food grains)	Growth %	0.1	4.3	4.5	1.6	2.5	-
4	Gross Fiscal Deficit	%	3.4	4.6	9.5	6.7	6.4	7.8 (Q1)
4	(as percent of GDP)				RE	RE	RE	E
	Economic indicators	Unit/ Base	2021-22	2022-23	August		April-	August
					2022-23	2023-24 (P)	2022-23	2023-24 (P)
5	Index of Industrial Production		11.1	<u>г г н</u>	2.2*	- <b>-</b> *	10.04	<u>ло</u> ц
		Growth %	11.4	5.5#	2.2*	5.7*	10.0#	4.8#
Ĵ	(Base: 2011-12)	Growth %	11.4	5.5#	2.2*	5.7* QE	10.0#	4.8#
		Growth % \$ Billion	611.9	714.2	61.9		309.2	4.8# 271.8
6	(Base: 2011-12)					QE		_
6	(Base: 2011-12) Imports^	\$ Billion	611.9	714.2	61.9	QE 58.6	309.2	271.8

Population projection by RGI is taken as on 1st July for the year. IIP is for the month of \*July'23 and #April-July'23; @2021, 2021-22 - as on March 26, 2022, Mar 2022 as on Mar 25, 2022, Mar 2023-as on Mar 31, 2023, August 2022 as on August 26, 2022 and August, 2023 as on August 25, 2023; ^Imports & Exports are for Merchandise for the month of August 23; 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

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	2021-22	2022-23	Au	gust	April-/	August				
			(P)	(P)	2022-23 (P)	2023-24 (P)	2022-23 (P)	2023-24 (P)				
1	Crude oil production in India <sup>#</sup>	MMT	29.7	29.2	2.4	2.5	12.3	12.3				
2	Consumption of petroleum products*	MMT	201.7	223.0	17.4	18.6	90.5	95.6				
3	Production of petroleum products	MMT	254.3	266.5	20.9	22.9	111.0	115.1				
4	Gross natural gas production	MMSCM	34,024	34,450	2,896	3,166	14,332	14,852				
5	Natural gas consumption	MMSCM	64,159	59,969	4,858	5,345	25,782	26,743				
6	Imports & exports:											
	Crude oil imports	MMT	212.4	232.7	17.6	18.7	99.0	98.4				
	Crude on imports	\$ Billion	120.7	157.6	13.1	10.9	77.4	52.7				
	Petroleum products (POL)	MMT	39.0	44.5	3.2	4.1	17.5	18.8				
	imports*	\$ Billion	23.7	26.8	2.0	2.0	12.1	8.6				
	Gross petroleum imports	MMT	251.4	277.3	20.8	22.8	116.5	117.3				
	(Crude + POL)	\$ Billion	144.3	184.4	15.1	12.9	89.6	61.3				
	Petroleum products (POL)	MMT	62.8	61.0	5.2	5.8	26.6	25.9				
	export	\$ Billion	44.4	57.3	4.9	4.9	28.6	19.3				
	LNG imports*	MMSCM	31,028	26,304	2,029	2,234	11,802	12,215				
		\$ Billion	13.5	17.1	1.5	1.3	8.1	6.0				
	Net oil & gas imports	\$ Billion	113.4	144.2	11.8	9.3	69.0	48.0				
7	Petroleum imports as percentage of India's gross imports (in value terms)	%	23.6	25.8	24.5	22.0	29.0	22.6				
8	Petroleum exports as percentage of India's gross exports (in value terms)	%	10.5	12.7	13.1	14.3	14.6	11.2				
9	Import dependency of crude oil (on POL consumption basis)	%	85.5	87.4	86.8	87.9	86.5	87.8				

#Includes condensate; \*Private direct imports are prorated for the period July'23 to Aug'23 for POL. LNG Imports figure from DGCIS are prorated for July 2023 & August 2023.Total may not tally due to rounding off.



#### **Production & Consumption of Petroleum Products (MMT)**

## PART-B

1

Crude Oil, Refining & Production

3. Indigenous crude oil production (Million Metric Tonnes)											
Details	Details 2021-22 2022-23 August							t			
		(P)	2022-23 (P)	2023-24 Target*	2023-24 (P)	2022-23 (P)	2023-24 Target*	2023-24 (P)			
ONGC	18.5	18.4	1.5	1.6	1.5	7.8	8.1	7.6			
Oil India Limited (OIL)	3.0	3.2	0.3	0.3	0.3	1.3	1.4	1.4			
Private / Joint Ventures (JVs)	7.0	6.2	0.5	0.6	0.5	2.7	3.0	2.5			
Total Crude Oil	28.4	27.8	2.3	2.6	2.3	11.8	12.5	11.5			
ONGC condensate	0.9	1.0	0.08	0.0	0.09	0.4	0.0	0.5			
PSC condensate	0.3	0.31	0.03	0.0	0.11	0.11	0.0	0.39			
Total condensate	1.2	1.4	0.11	0.0	0.2	0.5	0.0	0.8			
Total (Crude + Condensate) (MMT)	29.7	29.2	2.4	2.6	2.5	12.3	12.5	12.3			
Total (Crude + Condensate) (Million Bbl/Day)	0.60	0.59	0.58	0.60	0.59	0.59	0.60	0.59			

\*Provisional targets inclusive of condensate.

4. Domestic and overseas oil & gas production (by Indian Companies)										
Details	2022-23	Au	gust	April-August						
		(P)	2022-23 (P)	2023-24 (P)	2022-23 (P)	2023-24 (P)				
Total domestic production (MMTOE)	63.7	63.6	5.3	5.7	26.7	27.2				
Overseas production (MMTOE)	21.8	19.5	1.6	1.7	8.1	8.3				

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

	5. High Sulphur (HS) & Low Sulphur (LS) crude oil processing (MMT)											
	Details	2021-22	2022-23	Au	gust	April-August						
			(P)	2022-23 (P)	2023-24 (P)	2022-23 (P)	2023-24 (P)					
1	High Sulphur crude	185.0	197.9	15.0	16.7	83.2	85.0					
2	Low Sulphur crude	56.7	57.4	4.5	5.3	23.5	24.5					
Total c	rude processed (MMT)	241.7	255.2	19.5	21.9	106.8	109.5					
Total c	rude processed (Million Bbl/Day)	4.85	5.13	4.62	5.18	5.11	5.25					
Percen	tage share of HS crude in total crude oil processing	76.6%	77.5%	76.7%	76.0%	78.0%	77.6%					

6. Quantity and value of crude oil imports										
Year	Quantity (MMT)	Quantity (MMT) \$ Million								
2021-22 (P)	212.4	120,675	9,01,262							
2022-23 (P)	232.7		12,60,910							
April-August 2023-24(P)	98.4	52,708	4,33,828							

	7. Self-sufficiency in petroleum products (Million Metric Tonnes)											
	Particulars	2021-22	2022-23	Aug	gust	April-A	April-August					
			(P)	2022-23 (P)	2023-24 (P)	2022-23 (P)	2023-24 (P)					
1	Indigenous crude oil processing	27.0	26.4	2.2	2.1	11.5	10.9					
2	Products from indigenous crude (93.3% of crude oil processed)	25.2	24.7	2.0	2.0	10.7	10.2					
3	Products from fractionators (Including LPG and Gas)	4.1	3.5	0.3	0.3	1.5	1.5					
4	Total production from indigenous crude & condensate (2 + 3)	29.3	28.2	2.3	2.2	12.2	11.7					
5	Total domestic consumption	201.7	223.0	17.4	18.6	90.5	95.6					
% Self	f-sufficiency (4 / 5)	14.5%	12.6%	13.2%	12.1%	13.5%	12.2%					

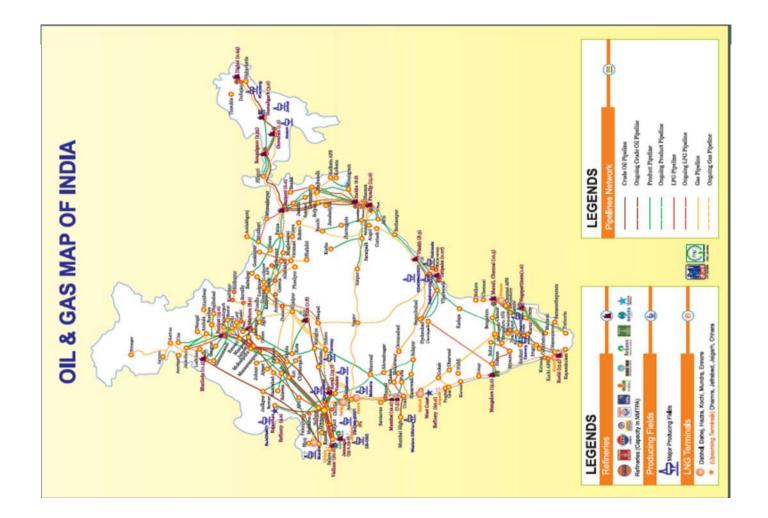
8. Refineries: Installed capacity and crude oil processing (MMTPA / MMT)												
Sl. no.	Refinery	Installed			Cru	ide oil prod	essing (MN	/ІТ)				
		capacity	2021-22	2022-23		August		April-August				
		(01.04.2023)		(P)	2022-23	2023-24	2023-24	2022-23	2023-24	2023-24		
		ΜΜΤΡΑ			(P)	(Target)	(P)	(P)	(Target)	(P)		
1	Barauni (1964)	6.0	5.6	6.8	0.6	0.6	0.6	2.8	2.7	2.8		
2	Koyali (1965)	13.7	13.5	15.6	1.3	1.2	1.3	6.6	5.5	6.3		
3	Haldia (1975)	8.0	7.3	8.5	0.7	0.2	0.7	3.5	2.9	3.5		
4	Mathura (1982)	8.0	9.1	9.6	0.6	0.7	0.7	3.9	3.6	3.6		
5	Panipat (1998)	15.0	14.8	13.8	1.2	1.4	1.2	6.0	6.3	6.2		
6	Guwahati (1962)	1.0	0.7	1.1	0.09	0.1	0.1	0.46	0.5	0.5		
7	Digboi (1901)	0.65	0.7	0.7	0.06	0.06	0.02	0.3	0.3	0.3		
8	Bongaigaon(1979)	2.70	2.6	2.8	0.2	0.3	0.3	1.0	1.2	1.3		
9	Paradip (2016)	15.0	13.2	13.6	0.0	1.3	1.4	5.3	6.4	6.6		
	IOCL-TOTAL	70.1	67.7	72.4	4.8	5.7	6.3	29.9	29.3	31.0		
10	Manali (1969)	10.5	9.0	11.3	0.9	0.5	1.0	4.8	4.2	4.7		
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	9.0	11.3	0.9	0.5	1.0	4.8	4.2	4.7		
12	Mumbai (1955)	12.0	14.4	14.5	1.2	1.3	1.4	5.4	6.3	6.7		
13	Kochi (1966)	15.5	15.4	16.0	1.4	1.1	1.3	6.9	6.5	7.1		
14	Bina (2011)	7.8	7.4	7.8	0.4	0.7	0.5	3.0	2.4	2.4		
	BPCL-TOTAL	35.3	37.2	38.4	3.0	3.1	3.2	15.3	15.2	16.1		
15	Numaligarh (1999)	3.0	2.6	3.1	0.3	0.3	0.3	1.3	0.9	0.6		

Sl. no.	Refinery	Installed			Cruc	le oil proce	essing (MM	IT)		
		capacity	2021-22	2022-23		August		April-August		
		(01.04.2023)			2022-23	2023-24	2023-24	2022-23	2023-24	2023-24
		ΜΜΤΡΑ				(Target)	(P)		(Target)	(P)
16	Tatipaka (2001)	0.066	0.075	0.073	0.004	0.006	0.005	0.028	0.025	0.029
17	MRPL-Mangalore (1996)	15.0	14.9	17.1	1.2	0.9	1.0	6.9	6.6	6.8
	ONGC-TOTAL	15.1	14.9	17.2	1.2	0.9	1.0	7.0	6.6	6.9
18	Mumbai (1954)	9.5	5.6	9.8	0.8	0.8	0.8	4.1	3.9	4.1
19	Visakh (1957)	11.0	8.4	9.3	0.6	0.9	1.1	3.6	4.6	5.2
20	HMEL-Bathinda (2012)	11.3	13.0	12.7	1.0	1.0	1.1	5.4	4.9	5.4
	HPCL- TOTAL	31.8	27.0	31.8	2.3	2.7	3.0	13.1	13.4	14.7
21	RIL-Jamnagar (DTA) (1999)	33.0	34.8	34.4	3.0	3.0	2.9	15.1	15.1	14.4
22	RIL-Jamnagar (SEZ) (2008)	35.2	28.3	27.9	2.1	2.1	2.5	11.8	11.8	12.6
23	NEL-Vadinar (2006)	20.0	20.2	18.7	1.8	1.8	1.7	8.6	8.6	8.4
All India	(MMT)	253.9	241.7	255.2	19.5	20.1	21.9	106.8	105.0	109.5
All India	(Million Bbl/Day)	5.02	4.85	5.13	4.62	4.76	5.18	5.11	5.03	5.25

Note: Provisional Targets; Some sub-totals/ totals may not add up due to rounding off at individual levels. The Inputs to Refinery includes both Crude Oil and Other Inputs (OI), however Other Inputs (OI) do not form part of the above data.

	9. Major crude oil and product pipeline network (as on 01.09.2023)												
Det	tails	ONGC	OIL	Cairn	HMEL	IOCL	BPCL	HPCL	Others*	Total			
Crude Oil	Length (KM)	1,284	1,193	688	1,017	5,819	937			10,938			
	Cap (MMTPA)	60.6	9.0	10.7	11.3	53.8	7.8			153.1			
Products	Length (KM)		654			12,200	2,599	5,121	2,399	22,973			
	Cap (MMTPA)		1.7			70.6	22.6	35.2	10.2	140.3			

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

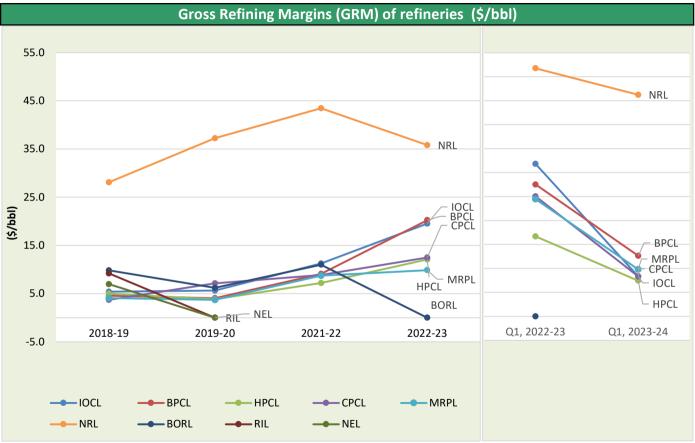


	10. Gross Refining Margins (GRM) of refineries (\$/bbl)												
Company	2020-21	2021-22	2022-23	Apr -	June								
				2022-23	2023-24								
IOCL	5.64	11.25	19.52	31.81	8.34								
BPCL	4.06	9.09	20.24	27.51	12.64								
HPCL	3.86	7.19	12.09	16.69	7.44								
CPCL	7.14	8.85	12.48	25.04	8.33								
MRPL	3.71	8.72	9.88	24.45	9.81								
NRL	37.23	43.46	35.82	51.76	46.23								
BORL	6.20	11.00	#	#	#								
RIL	*	*	*	*	*								
NEL	*	*	*	*	*								

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



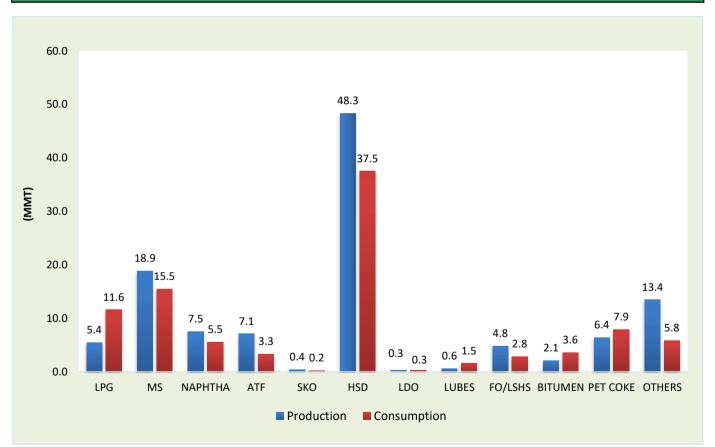
<sup>#</sup> GRM of North Eastern refineries are including excise duty benefit



	11. Production and consumption of petroleum products (Million Metric Tonnes)												
Dreducto	202	1-22	2022-	2022-23 (P)		August 2022		August 2023 (P)		Apr-Aug 2022		Apr-Aug 2023 (P)	
Products	Prod	Cons	Prod	Cons	Prod	Cons	Prod	Cons	Prod	Cons	Prod	Cons	
LPG	12.2	28.3	12.8	28.5	1.0	2.4	1.0	2.5	5.3	11.3	5.4	11.6	
MS	40.2	30.8	42.8	35.0	3.3	3.0	3.8	3.1	17.9	14.6	18.9	15.5	
NAPHTHA	20.0	13.2	17.0	12.2	1.4	1.1	1.5	1.1	7.5	5.0	7.5	5.5	
ATF	10.3	5.0	15.0	7.4	1.2	0.6	1.5	0.7	5.7	2.9	7.1	3.3	
ѕко	1.9	1.5	0.9	0.5	0.0	0.0	0.1	0.1	0.5	0.2	0.4	0.2	
HSD	107.2	76.7	113.8	85.9	8.9	6.3	9.5	6.7	47.7	35.1	48.3	37.5	
LDO	0.8	1.0	0.6	0.7	0.04	0.1	0.08	0.1	0.3	0.3	0.3	0.3	
LUBES	1.2	4.5	1.3	3.7	0.1	0.2	0.1	0.3	0.5	1.5	0.6	1.5	
FO/LSHS	8.9	6.3	10.4	7.0	1.0	0.6	1.1	0.5	4.4	2.8	4.8	2.8	
BITUMEN	5.1	7.8	4.9	8.0	0.2	0.3	0.3	0.6	1.9	2.9	2.1	3.6	
PET COKE	15.5	14.3	15.4	18.3	1.2	1.2	1.2	1.5	6.4	7.4	6.4	7.9	
OTHERS	30.9	12.3	31.5	15.8	2.6	1.5	2.7	1.5	13.0	6.5	13.4	5.8	
ALL INDIA	254.3	201.7	266.5	223.0	20.9	17.4	22.9	18.6	111.0	90.5	115.1	95.6	
Growth (%)	-3.1%	-5.4%	4.8%	10.6%	7.0%	14.6%	9.5%	6.5%	10.7%	15.9%	3.7%	5.5%	

Note: Prod - Production; Cons - Consumption

#### Petroleum Products: April-August 2023 (P) (MMT)



	12. Kerosene allocation vs upliftment (Kilo Litres)										
Product	2020-21		202	1-22	202	2-23	2023-24 (P)*				
	Allocation	Upliftment	Allocation	Upliftment	Allocation	Upliftment	Allocation	Upliftment			
PDS Kerosene	23,15,008	20,38,790	17,83,344	16,59,906	12,43,644	3,96,115	529,572	195,827			
* Allocation is for H1, 2023-24 and upliftmen					-						
	13	<b>B. Ethanol</b>	<u>blending p</u>								
	Ethanol Supply Year *										
Particulars	2019-20		2020-21		2021-22		2022-23 (P)				
	201.	5 20	202	0 21	LUL		Aug-23	Dec'22-Aug'23			
Ethanol received by PSU OMCs under EBP Program	17	3.0	29	6.1	40	8.1	31.1	419.4			
(in Cr. Litrs)		0.0		0.1		0.12	51.1	115.1			
Ethanol blended under EBP Program (in Cr. Litrs)	17	0.5	30	2.3	43	3.6	45.7	411.8			
Average Percentage of Blending Sales (EBP%)	5.(	0%	8.1	1%	10.	.0%	11.3%	11.7%			

\*Ethanol Supply Year : Ethanol supplies take place between 1<sup>st</sup> 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 01.09.2023) (Provisional)											
Particulars	IOCL	BPCL	HPCL	RIL/RBML/RSIL	NEL	SHELL	MRPL & Others	Total			
POL Terminal/ Depots (Nos.) <sup>\$</sup>	126	82	81	18	3		6	316			
Aviation Fuel Stations (Nos.) <sup>@</sup>	132	65	54	30			2	283			
Retail Outlets (total) (Nos.),	36,608	21,257	21,339	1,633	6,422	346	72	87,677			
out of which Rural ROs	11,867	5,324	5,276	130	2,083	89	25	24,794			
SKO/LDO agencies (Nos.)	3,849	927	1,638					6,414			
LPG Distributors (total) (Nos.) (PSUs only)	12,868	6,245	6,303					25,416			
LPG Bottling plants (Nos.) (PSUs only) <sup>#</sup>	97	53	55				3	208			
LPG Bottling capacity (TMTPA) (PSUs only) <sup>&amp;</sup>	10,722	4,890	6,410				203	22,225			
LPG active domestic consumers (Nos. crore) (PSUs only)	14.7	8.1	8.7					31.5			
		-	-	; <sup>∞</sup> (Others=NRL-	50, OIL-23, CPCI	L-120); RBML- F	Reliance BP Mobili				
(Nos. crore) (PSUs only) <sup>7</sup> (Others=4 MRPL & 2 NRL); <sup>♥</sup> (Others=ShellMRPL); <u>RBML Solutions India Ltd.</u>	(Others=MRPL)	; <sup>#</sup> (Others=NRL-1	., OIL-1, CPCL-1)					ity Limited; RSIL-			
(Nos. crore) (PSUs only) <sup>5</sup> (Others=4 MRPL & 2 NRL); <sup>®</sup> (Others=ShellMRPL); <u>RBML Solutions India Ltd.</u> Industry Alternate fuel i	(Others=MRPL)	; *(Others=NRL-1	, OIL-1, CPCL-1)	Nos. of RC	Ds as on O	1.09.2023	) (Provision	ity Limited; RSIL-			
(Nos. crore) (PSUs only) <sup>5</sup> (Others=4 MRPL & 2 NRL); <sup>®</sup> (Others=ShellMRPL); <u>RBML Solutions India Ltd.</u> <u>Industry Alternate fuel i</u> <u>Alternate fuel</u>	(Others=MRPL)	; *(Others=NRL-1 ure at Reta BPCL	, OIL-1, CPCL-1) il outlets HPCL	Nos. of RO	Ds as on 0 NEL	1.09.2023 SHELL		ity Limited; RSIL- nal) Total			
(Nos. crore) (PSUs only) <sup>3</sup> (Others=4 MRPL & 2 NRL); <sup>©</sup> (Others=ShellMRPL); <u>RBML Solutions India Ltd.</u> <u>Industry Alternate fuel</u> <u>Alternate fuel</u> CNG_LNG	"(Others=MRPL) nfrastructu IOCL 1886	; *(Others=NRL-1 ure at Reta <u>BPCL</u> 1633	, OIL-1, CPCL-1) il outlets HPCL 1495	Nos. of RC RBML/RSIL 23	Os as on O NEL 36	1.09.2023 SHELL 0	) (Provision MRPL 1	ity Limited; RSIL- nal) Total 5074			
(Nos. crore) (PSUs only) <sup>5</sup> (Others=4 MRPL & 2 NRL); <sup>(10</sup> (Others=ShellMRPL); <u>RBML Solutions India Ltd.</u> <u>Industry Alternate fuel i</u> <u>Alternate fuel</u>	(Others=MRPL)	; *(Others=NRL-1 ure at Reta BPCL	, OIL-1, CPCL-1) il outlets HPCL	Nos. of RO	Ds as on 0 NEL	1.09.2023 SHELL	) (Provision	ity Limited; RSIL- nal) Total			
(Nos. crore) (PSUs only) <sup>3</sup> (Others=4 MRPL & 2 NRL); <sup>©</sup> (Others=ShellMRPL); RBML Solutions India Ltd. Industry Alternate fuel <u>Alternate fuel</u> <u>CNG_LNG</u> EV Charging	"(Others=MRPL) nfrastructu IOCL 1886 5905	; "(Others=NRL-1 ure at Reta BPCL 1633 810	, OIL-1, CPCL-1) <b>il outlets</b> <b>HPCL</b> 1495 2169	Nos. of RC RBML/RSIL 23 41	<b>Os as on 0</b> <u>NEL</u> 36 185	1.09.2023 SHELL 0 230	) (Provision MRPL 1 6	ity Limited; RSIL- 1al) Total 5074 9346			
(Nos. crore) (PSUs only) <sup>3</sup> (Others=4 MRPL & 2 NRL); <sup>©</sup> (Others=ShellMRPL); RBML Solutions India Ltd. Industry Alternate fuel Alternate fuel CNG_LNG EV Charging Auto LPG	"(Others=MRPL) nfrastructu IOCL 1886 5905 325	; "(Others=NRL-1 ure at Reta BPCL 1633 810 44	, OIL-1, CPCL-1) <b>il outlets</b> <b>HPCL</b> 1495 2169 126	Nos. of RC RBML/RSIL 23 41 62	<b>Ds as on 0</b> <b>NEL</b> 36 185 52	<b>1.09.2023</b> SHELL 0 230 0	) (Provision MRPL 1 6 0	ity Limited; RSIL- 13]) Total 5074 9346 609			

Snapshot of India's Oil & Gas data - August, 2023

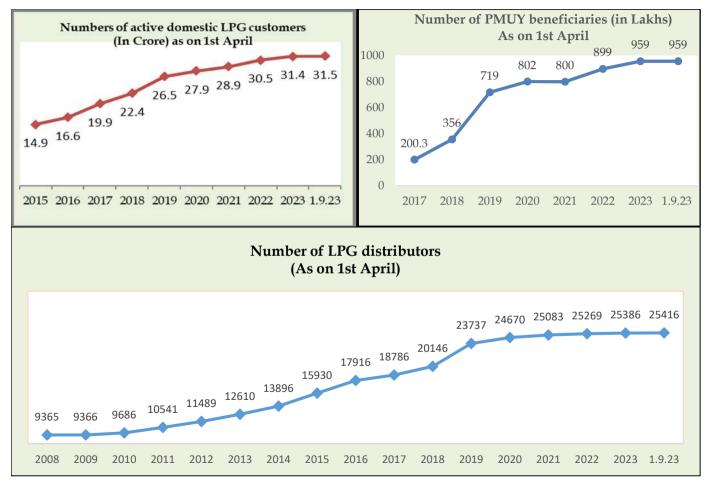


			15. LP	G cons	umpti	on (The	ousanc	Metr	ic Tonne	)				
LPG category	202	1-22	2022	2-23			August	t			A	pril-Aug	ust	
					202	2-23	2023-	24 (P)	Growth (%)	202	2-23	2023-	24 (P)	Growth (%)
1. PSU Sales :														
LPG-Packed Domestic	25,5	01.6	25,3	81.5	2,	136.8	2,	108.2	-1.3%	10,	224.3	10,	221.7	0.0%
LPG-Packed Non-Domestic	2,23	38.8	2,60	06.0		212.4		257.7	21.3%		915.9	1,	116.1	21.9%
LPG-Bulk	39	0.9	408	8.9		29.8		86.0	188.9%		146.8		206.5	40.7%
Auto LPG	12	2.0	100	6.7		9.2		8.6	-5.7%		46.4		39.8	-14.2%
Sub-Total (PSU Sales)	28,2	53.3	28,5	03.1	2,	388.1	2,	460.6	3.0%	11,	333.4	11,	584.0	2.2%
2. Direct Private Imports*	0	.1	0.	1		0.00		0.01	-		0.02		0.05	170.8%
Total (1+2)	28,2	53.4	28,5	03.2	2,	388.1	2,	460.6	3.0%	11,	333.4	11,	584.1	2.2%
*July-Aug'23 DGCIS data is	prorated													•
				16.	LPG ma	arketin	g at a	glance						
Particulars	Unit	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	1.09.23
(As on 1st of April)	4				1.10.0	1000	1000		0.05.4	0.707		0.050		(P)
LPG Active Domestic	(Lakh)				1486	1663	1988	2243		2787	2895	3053	3140	
Customers	Growth					11.9%	19.6%			5.0%	3.9%	5.5%	2.9%	1.1%
LPG Coverage (Estimated)	(Percent)				56.2	61.9	72.8	80.9	94.3	97.5	99.8	-	-	-
LFG COverage (Estimated)	Growth					10.1%	17.6%	11.1%	16.5%	3.4%	2.3%	-	-	-
PMUY Beneficiaries	(Lakh)						200.3	356	719	802	800	899.0	958.6	958.5
PIVIOT Deficiciaries	Growth							77.7%	101.9%	11.5%	-0.2%	12.2%	6.6%	0.0%
LPG Distributors	(No.)	11489	12610	13896	15930	17916	18786	20146	23737	24670	25083	25269	25386	25416
LPG Distributors	Growth	9.0%	9.8%	10.2%	14.6%	12.5%	4.9%	7.2%	17.8%	3.9%	1.7%	0.7%	0.5%	0.4%
Auto LPG Dispensing	(No.)	652	667	678	681	676	675	672	661	657	651	601	526	496
Stations	Growth	7.9%	2.3%	1.6%	0.4%	-0.7%	-0.1%	-0.4%	-1.6%	-0.6%	-0.9%	-8.5%	-12.5%	-13.0%
Dettline Diante	(No.)	184	185	187	187	188	189	190	192	196	200	202	208	208
Bottling Plants	Growth	0.5%	0.5%	1.1%	0.0%	0.5%	0.5%	0.5%	1.1%	2.1%	2.0%	1.0%	4.5%	2.5%

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

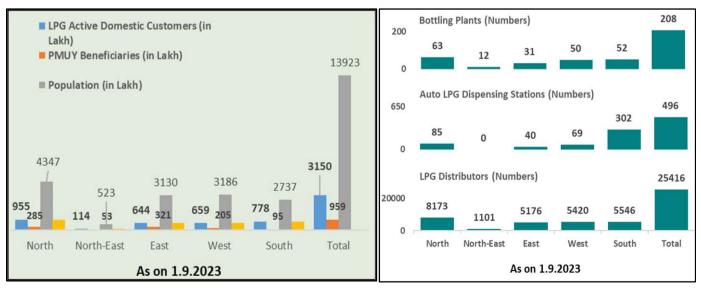
1.Growth rates as on 01.09.2023 are with respect to figs as on 01.09.2022. Growth rates as on 1 April of any year are with respect to figs as on 1 April of previous year.

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.



17-Region-wise data on LPG marketing (As on 01.09.2023)										
Particulars	North	North-East	East	West	South	Total				
LPG Active Domestic Customers (in Lakh)	954.9	114.3	644.0	659.1	777.6	3150.0				
Population^ (in Lakh)	4347.5	523.0	3130.2	3185.9	2736.7	13923.3				
PMUY Beneficiaries (in Lakh)	285.1	53.0	320.9	204.7	94.8	958.5				
LPG Distributors (Numbers)	8173	1101	5176	5420	5546	25416				
Auto LPG Dispensing Stations (Numbers)	85	0	40	69	302	496				
Bottling Plants* (Numbers)	63	12	31	50	52	208				

\*Includes Numaligarh BP, Duliajan BP and CPCL BP. ^Population as on 1st July 2023 taken from RGI POPULATION PROJECTIONS 2011 – 2036



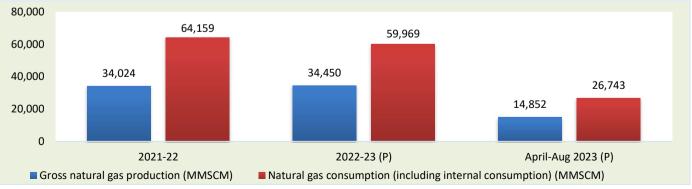
Snapshot of India's Oil & Gas data - August, 2023

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## Natural Gas

	18. Natural gas at a glance									
(MMSCM)										
Details	2021-22	2022-23		August			<b>April-Augus</b>	t		
	(P)	(P)	2022-23	2023-24	2023-24	2022-23	2023-24	2023-24 (P)		
			(P)	(Target)	(P)	(P)	(Target)			
(a) Gross production	34,024	34,450	2,896	3,238	3,166	14,332	15,229	14,852		
- ONGC	20,629	19,969	1,662	1,717	1,650	8,411	8,598	8,173		
- Oil India Limited (OIL)	2,893	3,041	265	274	265	1,271	1,292	1,261		
- Private / Joint Ventures (JVs)	10,502	11,440	969	1,247	1,250	4,650	5,338	5,419		
(b) Net production	33,131	33,664	2,829		3,111	13,981		14,528		
(excluding flare gas and loss)	55,151	33,004	2,829		3,111	13,981		14,528		
(c) LNG import <sup>#</sup>	31,028	26,304	2,029		2,234	11,802		12,215		
(d) Total consumption including internal	64,159	59,969	4,858		5,345	25,782		26,743		
consumption (b+c)	04,139	59,909	4,838		5,545	23,782		20,743		
(e) Total consumption (in BCM)	64.2	60.0	4.9		5.3	25.8		26.7		
(f) Import dependency based on	48.4	43.9	41.8		41.8	45.8		45.7		
consumption (%), {c/d*100}	48.4	43.9	41.8		41.8	45.8		45.7		

# July 2023 DGCIS data prorated.



19. Coal Bed	Methane (CBM) gas development in	n 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-Aug 2023 (P)	271.43	MMSCM
Production of CBM gas	Aug 2023 (P)	55.25	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 01.09.2023) (Provisional)										
Particulars	Units	IOCL	HPCL	BPCL	GAIL	IGL	Total			
No. of CBG plants commissioned and initiated sale of CBG	No. of plants	22	6	3	10	3	44			
Start of CBG sale from retail outlet(s)	Nos.	51	30	45	1	2	129			
Sale of CBG in 2022-23	Tons	5,822	77	6	5322#		11,227			
Sale of CBG in 2023-24 (up to July, 2023)	Tons	2738	27	58	3829#		6,652			
Sale of CBG in CGD network	GA Nos.				18		18			

# Sale of CBG sourced under CBG-CGD synchronization scheme through its own marketing channels as well as other CGDs/OMCs.

	20. Common Carrier Natural Gas pipeline network as on 31.03.2023													
Nature of pip	peline	GAIL	GSPL	PIL	IOCL	AGCL	RGPL	GGL	DFPCL	ONGC	GIGL	GITL	Others*	Total
Operational	Length	10,932	2,716	1,479	143	107	304	73	42	24				15,820
	Capacity	43.0	85.0	20.0	2.4	3.5	5.1	0.7	6.0					-
Partially	Length	4,342			386						1,279		365	6,006
commissioned <sup>#</sup>	Capacity													-
Total operational len	gth	15,273	2,716	1,479	529	107	304	73	42	24	1,279	0	365	22,191
Under construction	Length	4,327	100		1,110						1,053	220	4,361	11,172
	Capacity	-	3.0								-	-	-	-
Total lengt	h	19,601	2,816	1,479	1,639	107	304	73	42	24	2,332	220	4,726	33,141

Source: PNGRB; Length in KMs ; Authorized Capacity in MMSCMD (Arithmetic sum taken for each entity -capacity may vary from pipeline to pipeline); \*Others-APGDC, , IGGL, IMC, GTIL, HPPL Consortium of

H-Energy. Total authorized Natural Gas pipelines including Tie-in connectivity, dedicated & STPL is 33,515 Kms (P)

	21. Ex	kisting LNG terminals	
Location	Promoters	Capacity as on 01.09.2023	% Capacity utilisation (April-Aug 2023)
Dahei	Petronet LNG Ltd (PLL)	17.5 MMTPA	93.4
Hazira	Shell Energy India Pvt. Ltd.	5.2 MMTPA	36.0
Dabhol	Konkan LNG Limited	*5 MMTPA	38.2
Kochi	Petronet LNG Ltd (PLL)	5 MMTPA	20.1
Ennore	Indian Oil LNG Pvt Ltd	5 MMTPA	14.3
Mundra	GSPC LNG Limited	5 MMTPA	11.7
Dhamra	Adani Total Private Limited	5 MMTPA	18.9
	Total Capacity	47.7 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 31.0	7.2023(P)	
State/UT	CNG Stations		PNG connections	
(State/UTs are clubbed based on the GAs authorised by PNGRB)	Cive Stations	Domestic	Commercial	Industrial
Andhra Pradesh	165	259,602	446	36
Andhra Pradesh, Karnataka & Tamil Nadu	40	619	0	6
Assam	6	51,519	1,359	448
Bihar	107	112,468	86	4
Bihar & Jharkhand	4	7,558	1	0
Bihar & Uttar Pradesh	14	0	0	0
Chandigarh (UT), Haryana, Punjab & Himachal Pradesh	26	26,098	128	27
Chhattisgarh	10	0	0	0
Dadra & Nagar Haveli (UT)	7	11,472	56	60
Daman & Diu (UT)	5	5,162	55	45
Daman and Diu & Gujarat	15	2,775	11	0
Goa	12	11,204	18	34
Gujarat	1,002	3,078,162	22,722	5,733
Haryana	349	343,444	885	1,904
Haryana & Himachal Pradesh	10	4	0	0
Haryana & Punjab	25	402	0	0
Himachal Pradesh	10	6,476	4	0
Jharkhand	81	113,588	9	1
Karnataka	319	392,677	540	330
Kerala	112	49,808	24	16
Kerala & Puducherry	9	426	0	0
Madhya Pradesh	241	214,636	373	463
Madhya Pradesh and Chhattisgrah	7	0	0	0
Madhya Pradesh and Rajasthan	32	549	0	0
Madhya Pradesh and Uttar Pradesh	16	0	0	2
Maharashtra	778	2,940,463	4,684	923
Maharashtra & Gujarat	59	173,359	7	24
Maharashtra and Madhya Pradesh	11	0	0	0
National Capital Territory of Delhi (UT)	480	1,459,314	3,663	1,829

State/UT	CNC Stations		NG connections	
(State/UTs are clubbed based on the GAs authorised by PNGRB)	CNG Stations	Domestic	Commercial	Industrial
Odisha	69	92,435	5	0
Puducherry	2	0	0	0
Puducherry & Tamil Nadu	8	224	1	0
Punjab	209	74,140	446	265
Punjab & Rajasthan	12	0	0	0
Rajasthan	257	232,576	135	1,557
Tamil Nadu	220	5,868	4	11
Telangana	159	194,364	86	107
Telangana and Karnataka	3	0	0	0
Tripura	18	59,946	506	62
Uttar Pradesh	819	1,424,748	2,376	2,867
Uttar Pradesh & Rajasthan	42	18,958	42	345
Uttar Pradesh and Uttarakhand	26	10,700	0	0
Uttarakhand	31	70,269	73	87
West Bengal	72	633	3	1
Total	5,899	11,446,646	38,748	17,187

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.

2	23. Domest	tic natural	gas price and gas pr	ice ceiling (GCV basis			
Period			ic Natural Gas price in	Gas price ceiling in US\$/MMBTU			
November 2014 - March 2015			5.05	-			
April 2015 - September 2015	April 2015 - September 2015			-			
October 2015 - March 2016			3.82	-			
April 2016 - September 2016			3.06	6.61			
October 2016 - March 2017			2.5	5.			
April 2017 - September 2017			2.48		56		
October 2017 - March 2018			2.89	6.			
April 2018 - September 2018			3.06	6.			
October 2018 - March 2019			3.36	7.0			
April 2019 - September 2019			3.69	9.			
October 2019 - March 2020			3.23	8.43			
April 2020 - September 2020 October 2020 - March 2021			2.39 1.79	<u>5.61</u> 4.06			
April 2021 - September 2021			1.79	3.62			
October 2021 - March 2022			2.9	5. 6.			
April 2022 - September 2022			6.1	9.			
October 2022 - March 2023			8.57	12			
1 April 2023 - 7 April 2023			9.16	12			
17,511 2023 77,511 2023	Domestic Ga				HP-HT Gas price ceiling		
Period	Domestic Ga	is calculated	Domestic Gas ceiling price for	Period			
i choù	price in US	\$/MMBTU	ONGC/OIL in US\$/MMBTU	i choù	in US\$/MMBTU		
8 April 2023 - 30 April 2023	7.	.92 6.50					
1 May 2023 - 31May 2023			6.50				
1 June 2023 - 30 June 2023	7.	58	6.50		12.12		
1 July 2023 - 31 July 2023	7	48	6.50	April 2023 - September 2023			
1 Aug 2023 - 31 Aug 2023	7.	85	6.50	]			
1 Aug 2023 - 31 Aug 2023	7.	85	6.50	]			
1 Sep 2023 - 30 Sep 2023	8.	60	6.50				
Natural Gas prices are on GCV basis							

24. CNG/PNG prices								
CNG (Rs/Kg) PNG (Rs/SCM) Sc								
74.59		48.59	IGL website (15.09.2023)					
79.00	MGL website (15.09.2023)							
Indian Natural Gas Spot Price for Physical Delivery								
IGX Price Index Month Source Source								
INR/MMBtu	\$/MMBtu	(MMSCM)	Source					
880	10.60	98.10	As per IGX website: www.igxindia.com					
	74.59 79.00 Indian Natura Avg. INR/MMBtu	CNG (Rs/Kg) 74.59 79.00 Indian Natural Gas Spot Price for Ph Avg. Price INR/MMBtu \$/MMBtu	CNG (Rs/Kg)PNG (Rs/SCM)74.5948.5979.0049.00Indian Natural Gas Spot Price for Physical DeliveryAvg. PriceVolumeINR/MMBtu\$/MMBtu(MMSCM)					

\*Prices are weighted average prices |\$1=INR 82.79| 1 MMBtu=25.2 SCM (Data Excluding Ceiling Price Gas)

## PART-F

Taxes & Duties on Petroleum Products

	25. In	formation or	n Prices, Ta	axes and Under-recoveries/Subsidi	es			
International		Exchange rates (\$		Price buildup of petroleum products (Rs./litre/Cylinder) *				
Particulars	2021-22	2022-23	Aug 2023	Particulars	Petrol	Diesel		
Crude oil (Indian Basket)	79.18	93.15	86.43	Price charged to dealers (excluding Excise Duty and VAT)	57.33	58.14		
Petrol	89.66	107.00	101.93	Excise Duty	19.90	15.80		
Diesel	88.45	128.08	115.67	Dealers' Commission (Average)	3.78	2.57		
Kerosene	85.31	120.55	113.16	VAT (incl VAT on dealers' commission)	15.71	13.11		
LPG (\$/MT)	692.67	711.50	464.00	Retail Selling Price	96.72	89.62		
FO (\$/MT)	445.25	452.66	518.28					
Naphtha (\$/MT)	698.25	666.53	609.13	Deutinulaus	PDS SKO	Subsidised		
Exchange (Rs./\$)	74.51	80.39	82.79	Particulars	PDS SKO	Domestic LPG		
Custo	ms, excise du	ty & GST rates		Price before taxes and dealers'/distributors' commission	66.96	795.15		
Product	<b>Basic customs</b>	Excise duty	GST rates	Dealers'/distributors' commission	2.65	64.84		
	dutv <sup>#</sup>			GST (incl GST on dealers'/distributors' commission)	3.48	43.01		
Petrol	2.50%	Rs 19.90/Ltr	**	Retail Selling Price	73.09	903.00		
Diesel	2.50%	Rs 15.80/Ltr	**	*Petrol and Diesel at Delhi as per IOCL are as	on 1st Sept 20	23. PDS SKO at		
PDS SKO	5.00%		5.00%	Mumbai as on 1st Sept 2023 and Subsidised	Domestic I PG	at Delhi as on		
Non-PDS SKO	5.00%		18.00%	·				
Domestic LPG	Nil***	Not Applicable	5.00%	1st Sept 2023.				
Non Domestic LPG	5% @#	Not Applicable	18.00%					
Furnace Oil (Non-Fert)	2.50%		18.00%					
Naphtha (Non-Fert)	2.50%^^		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.6700/ MT SAED	**					
*2% for scheduled commu	iter airlines from	regional connectivity	scheme airports					
** GST Council shall recommend the date on which GST shall be levied on								
petroleum crude , HSD, M	S, natural gas an	d ATF; # Social welfa	ire surcharge @					
10% is levied on aggregat	e duties of Custo	oms excluding CVD in	lieu of IGST.***					
Basic Customs duty is Nil fo	or import of dome	estic LPG sold to house	ehold consumers					
(including NDEC) by PSU O	MCs. Basic Custo	ms duty rate is 5% for	other importers					
of domestic LPG, ^^ effect	ive 02.02.2023 ,^	^^ Effective 02.09.202	3 SAED on crude					
oil.@# effective 01.09.2023	8.							

25. Information on Prices, Taxes and Under-recoveries/Subsidies										
DBTL/ PMUY Subsidy				Sales & profit of petroleum sector (Rs. Crores)						
			Particulars	202	2022-23		3-24 (P)			
Domestic LPG under I	Domestic LPG under DBTL (Direct benefit transfer for LPG)			Turnover	PAT	Turnover	PAT			
Product	2020-21	2021-22	2022-23 (P)	Upstream/midstream Companies (PSU)	321,099	50,941	70,340	13,040		
		Rs./Crore		Downstream Companies (PSU)	19,16,438	1,138	4,66,763	30,505		
DBTL subsidy	3,559	-	823	Standalone Refineries (PSU)	245,272	9,875	45,025	1,484		
PME &IEC^	99	242	32	Private-RIL	566,805	44,205	125,715	9,726		
Total	Total 3,658 242 855			Borrov	wings of OM	Cs (Rs. Cror	es), As on			
^ On payment basis (PME & IEC - Project Management Expenditure &			Company		Mar'22	Mar'23	Jun'23			
Information, Education and	l Communicatio	on)		IOCL		110,799	132,495	101,012		
Note: During FY 2022-23 Government of India has approved a			BPCL	24,123	35,855	27,939				
one-time grant of Rs. 22,000 crores to PSU OMCs towards			HPCL 43,			64,517	51,698			
under-recoveries in Domestic LPG.										
	PMUY			Petroleum sector contribution to Central/State Govt.						
Particulars	2020-21	2021-22	2022-23 (P)	Particulars		2020-21	2021-22	2022-23		
r ai ticulai s		Rs./Crore		Central Government		4,55,069	4,92,303	4,28,067		
PMUY	-34	1,569	6,110	% of total revenue receipt	s	28%	23%	18%		
PME &IEC^	110	-	-	State Governments		2,17,650	2,82,122	3,20,651		
Pradhan Mantri Gareeb Kalyan Yojana	8,162	-	-	% of total revenue receipt	% of total revenue receipts		8%	8%		
Total	8,238	1,569	6,110	Total (Rs. Crores)		6,72,719	7,74,425	7,48,718		
^ On payment basis (PME & IEC - Project Management			Total Subsidy as a percentage of GDP (at current prices)							
Expenditure & Inform Communication)	nation , Educ	cation and		Particulars		2020-21	2021-22	2022-23 (P)		
communication)				Petroleum subs	0.06	0.01	0.03			
				Note: GDP figure for 2020-21 & 2021-22 are Revised Estimates (RE) and 2022-23 are Second Advance Estimates (SAE).						

\*\*Totals may not tally due to roundoff.

## PART-G

## Miscellaneous

26. Capital expenditure of PSU oil companies								
					(Rs in crores)			
Company	2020-21	2021-22	2022-23 (P)	2023-24 (P)				
				Target (Annual)	Apr-Aug' 23			
ONGC Ltd	26,441	26,621	29,209	30,125	12,700			
ONGC Videsh Ltd (OVL)	5,351	4,836	2,723	3,229	1,088			
Oil India Ltd (OIL)	12,802	4,239	5,057	4,896	1,792			
GAIL (India) Ltd	5,560	6,970	8,313	7,750	3,157			
Indian Oil Corp. Ltd. (IOCL)	27,195	29,604	35,205	30,395	13,509			
Hindustan Petroleum Corp. Ltd (HPCL)	14,036	16,205	13,847	10,210	4,440			
Bharat Petroleum Corp. Ltd (BPCL)	10,697	11,449	11,527	10,000	3,202			
Mangalore Refinery & Petrochem Ltd (MRPL)	2,218	604	641	820	331			
Chennai Petroleum Corp. Ltd (CPCL)	592	575	609	548	255			
Numaligarh Refinery Ltd (NRL)	981	3,403	6,615	8,290	2,884			
Balmer Lawrie Co. Ltd (BL)	42	23	46	40	18			
Engineers India Ltd (EIL)	730	67	60	98	49			
Total	106,642	104,596	113,853	106,401	43,424			

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				Volum			
Product	Weight (MT)	Volume (KL)	Barrel (bbl)		From		
LPG	1	1.844	11.60		1 US Barrel (bbl)		
Petrol (MS)	1	1.411	8.88		1 US Barrel (bbl)		
Diesel (HSD)	1	1.210	7.61		1 US Gallon		
Kerosene (SKO)	1	1.285	8.08		1 Kilo litre (KL)		
Aviation Turbine Fuel (ATF)	1	1.288	8.10		1 Million barrels per day		
Light Diesel Oil (LDO)	1	1.172	7.37		Energ		
Furnace Oil (FO)	1	1.0424	6.74		1 Kilocalorie (kcal)		
Crude Oil	1	1.170	7.33		1 Kilocalorie (kcal)		
Exclusive Economic Zone					1 Kilowatt-hour (kWh)		
200 Nautical Miles	370.4 Kilo	ometers			1 Kilowatt-hour (kWh)		

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	7	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				



### Petroleum Planning & Analysis Cell

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