

**MONTHLY REPORT**  
**ON**  
**INDIGENOUS CRUDE OIL PRODUCTION, CRUDE OIL**  
**IMPORT AND PROCESSING**  
**&**  
**PRODUCTION, IMPORT AND EXPORT OF PETROLEUM**  
**PRODUCTS**  
**July 2023**



**Petroleum Planning & Analysis Cell**

(Ministry of Petroleum & Natural Gas)

1. In this monthly report, indigenous crude oil production, imports and processing as well as production and imports/exports of petroleum products by oil companies are analyzed to assess the domestic availability of petroleum products in the country.

## Highlights

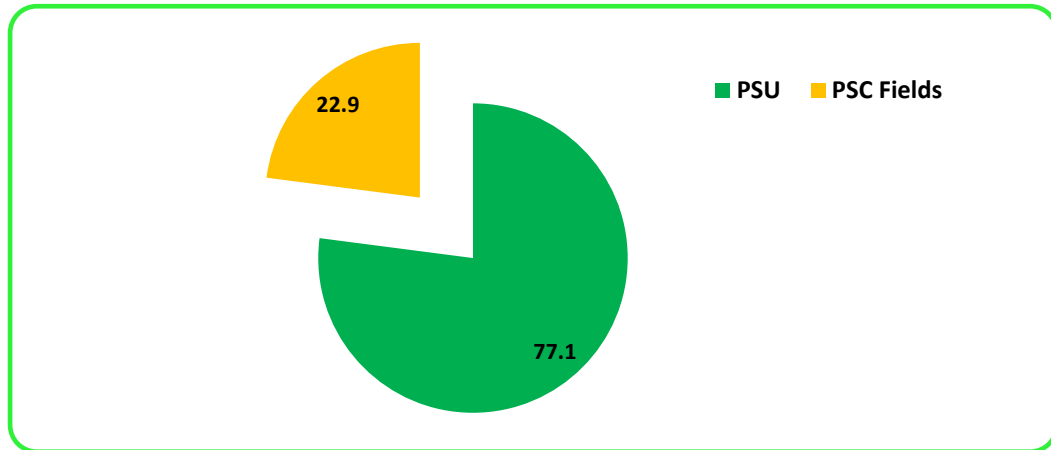
- Indigenous crude oil and condensate production during July 2023 was 2.50 MMT. OIL registered a production of 0.28 MMT, ONGC registered a production of 1.62 MMT whereas PSC registered production of 0.60 MMT during July 2023. There is a growth of 2.1% in Total Crude Oil & Condensate Production in July 2023 as compared to July 2022.
- Total Crude oil processed during July 2023 was 21.9 MMT which is 2.2% higher than July 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 2.4 MMT and total Imported Crude oil processed was 19.5 by all Indian Refineries (PSU+JV+PVT).
- Production of petroleum products was 22.8 MMT during July 2023 which is 3.6% higher than July 2022. Out of 22.5 MMT, was from Refinery production & 0.3 MMT was from Fractionator. There was a 2.4 % growth in Production of petroleum products in Apr July FY 2023 – 24 as compared to same period of FY 2022 – 23. Out of total POL production, in July 2023, HSD share 41.8 %, MS 16.7 %, Naphtha 6.5 %, ATF 6.3 %, Pet Coke 5.8, % LPG 4.8 % which are of major products and rest are shared by Bitumen, FO/LSHS, LDO, Lubes & others.
- Crude oil imports decreased by 6.3% and 2.4% during July 2023 and April-July 2023 respectively as compared to the corresponding period of the previous year.
- POL products imports decreased by 4.8% and increased by 2.0% during July 2023 and April-July 2023 respectively as compared to the corresponding period of the previous year. Increase in POL products imports during April-July 2023 were mainly due to increase in imports of bitumen and naphtha.
- Exports of POL products increased by 14.3% and decreased by 6.0% during July 2023 and April-July 2023 respectively as compared to the corresponding period of the previous year. Decrease in POL products exports during April-July 2023 were mainly due to decrease in exports of high-speed diesel (HSD) and naphtha.

## Part A: Production

## 2. Indigenous crude oil and condensate production

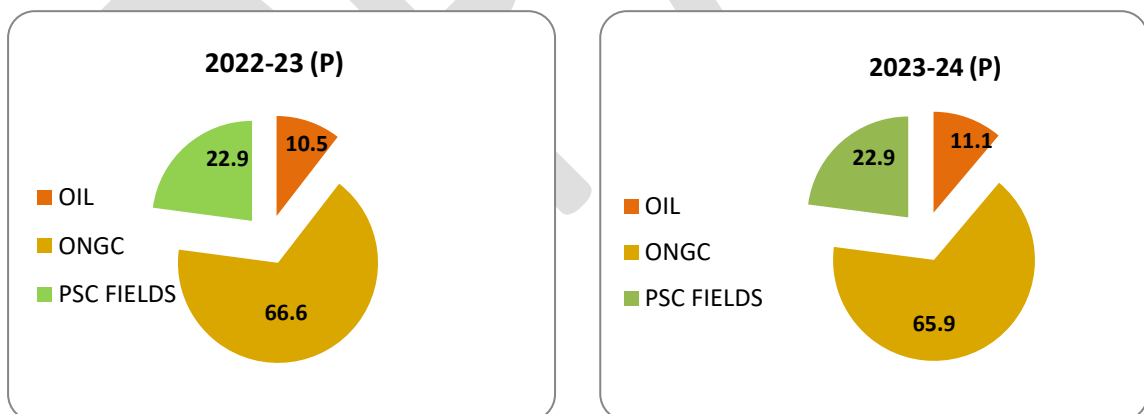
- The percentage share of PSU upstream companies and PSC fields in overall crude oil and condensate production during July 2023 (P) is shown in figure-1 below:

Figure-1; Percentage share in crude oil and condensate production; April - July 2023 <sup>(P)</sup>



- The comparison of percentage share of ONGC, OIL and PSC fields in total crude oil and condensate production during April July 2022 (P) and April July 2023 (P) is shown in figure-2 below:

Figure-2; Percentage share in crude oil production; April - July

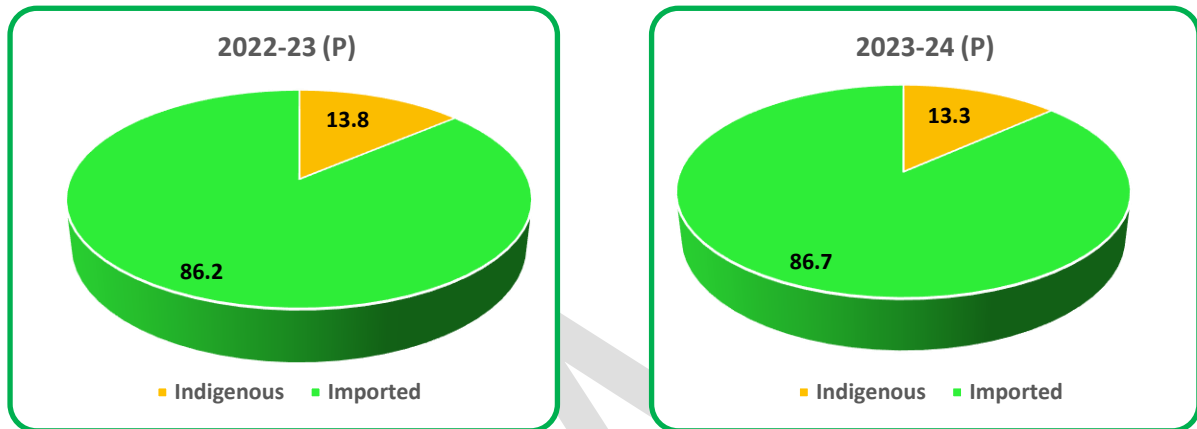


### 3. Crude oil processing by Oil Companies

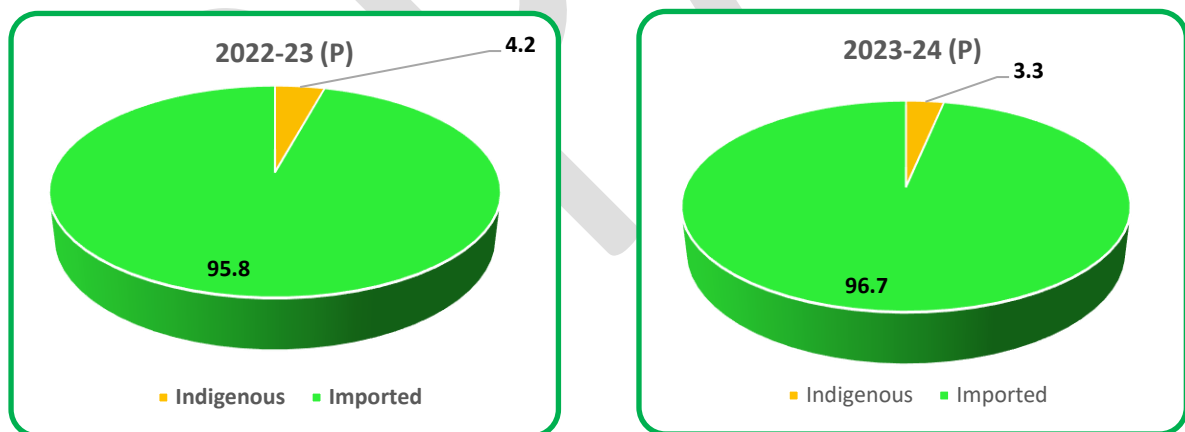
#### Analysis of crude oil processing by refineries:

- Analysis of type of crude oil processed (i.e. indigenous, imported and low sulphur & high sulphur) in Indian refineries during April July 2023 (P) and April July 2022 (P) is given below

**Figure-3; Percentage share of Indigenous/imported crude oil processed in PSU/JV refineries in April - July**



**Figure-4; Percentage share of indigenous and imported crude oil processed by Private refineries: April - July**



	2022 - 23 (P)	July		April – July	
		2022-23 (P)	2023-24 (P)	2022-23 (P)	2023-24 (P)
				Qty. in MMT	
High Sulphur crude (HS)	197.9	17.1	16.7	68.2	51.4
Low Sulphur crude (LS)	57.4	4.3	4.8	19.0	14.3
Total crude processed	<b>255.2</b>	<b>21.4</b>	<b>21.5</b>	<b>87.2</b>	<b>65.7</b>
<b>% Share of HS crude in total crude processed</b>	<b>77.5%</b>	<b>79.8%</b>	<b>77.6%</b>	<b>78.2%</b>	<b>78.3%</b>

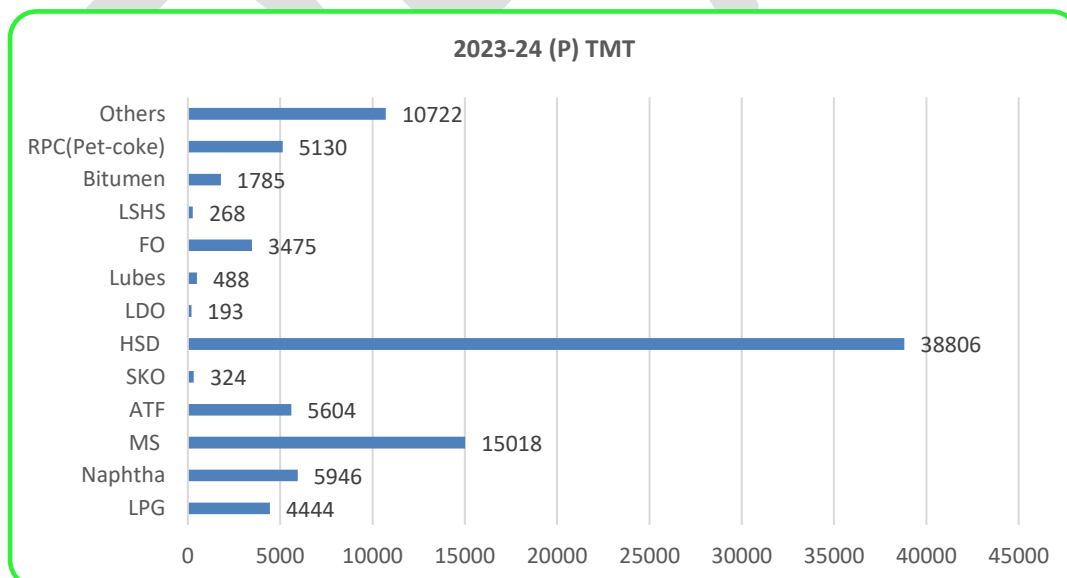
## 4. Production of Petroleum Products

Details of production of petroleum products by refineries and fractionators during July 2023<sup>(P)</sup> are given in Table-2.

Table-2; Production of petroleum products	
(Thousand Metric Tonnes)	
Products	July 2023 <sup>(P)</sup>
LPG	1101
Naphtha	1474
MS	<b>3792</b>
ATF	1439
SKO	114
HSD	<b>9511</b>
LDO	50
Lubes	120
FO	899
LSHS	68
Bitumen	268
RPC(Pet-coke)	1331
Others	2589
<b>Total</b>	<b>22757</b>

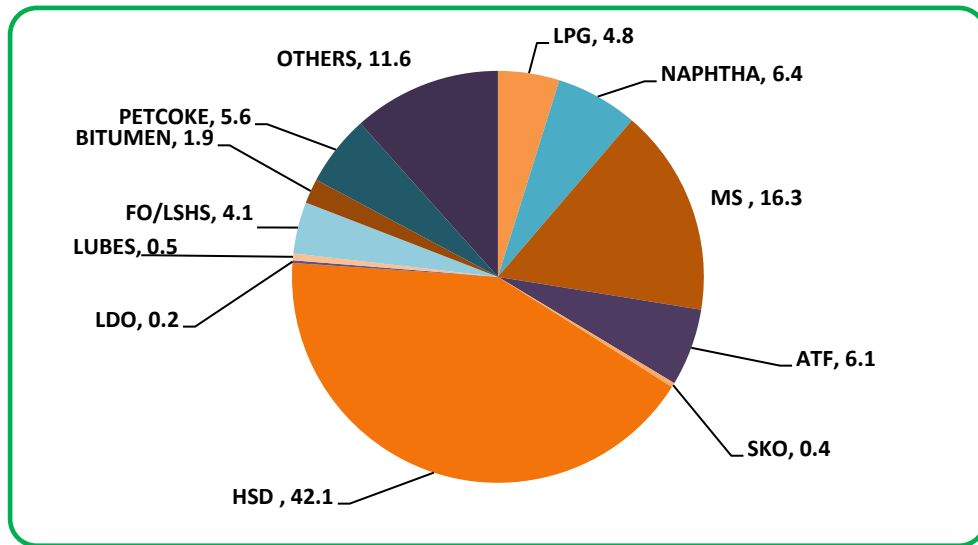
Note: (P): Provisional. Source: Oil Companies  
 \* Others include products like Propylene, solvents (Hexane, Benzene, Toluene, Xylene and Specialty solvents), Reformat, Mineral Turpentine Oil, Carbon Black Feedstock, Waxes, Sulphur etc.  
 LPG: Liquefied petroleum gas, MS: Motor spirit, ATF: Aviation turbine fuel; SKO: Superior kerosene oil, HSD: High speed diesel;

Figure-5; Product wise production of POL products by refineries and fractionators: April July 2023<sup>(P)</sup>



The percentage share of various products in total POL production during April - July 2023 is shown below:

**Figure-6; Percentage share of products in total POL production: April July 2023 <sup>(P)</sup>**



## Part B: Import /Export

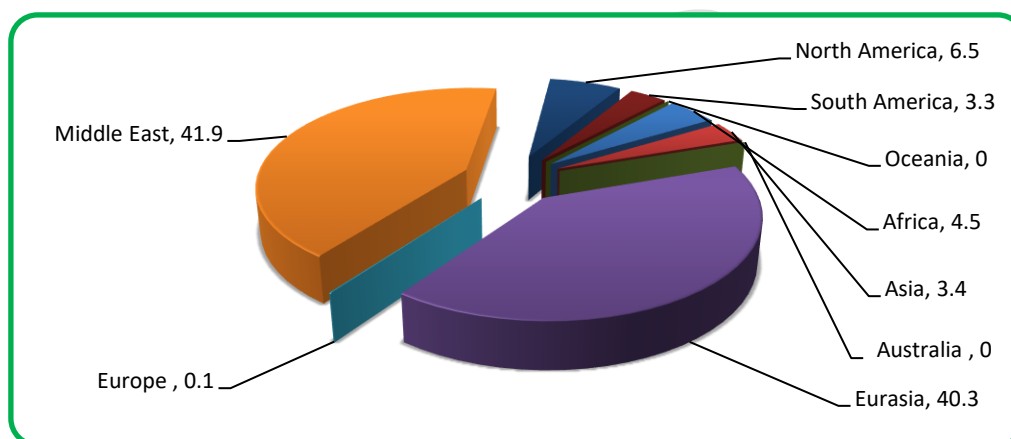


## 5.a Import of Crude oil

Details of import of crude oil given in Table-3 below:

Table-3; Import of Crude oil		
<i>(Thousand Metric Tonnes)</i>		
Import	July 2023 <sup>(P)</sup>	April to July 2023-24 <sup>(P)</sup>
Crude Oil	19320	79402

Figure 7: Region wise percentage share (%) of crude oil during April to July 2023-24 (P)



- Crude oil imports decreased by 6.3% and 2.4% during July 2023 and April-July 2023 respectively as compared to the corresponding period of the previous year.
- Crude oil imports from OPEC countries decreased to 45.0% of total imports during April-July 2023-24 as compared to 63.8% during April-July 2022-23.

## 5.b Import Petroleum Products

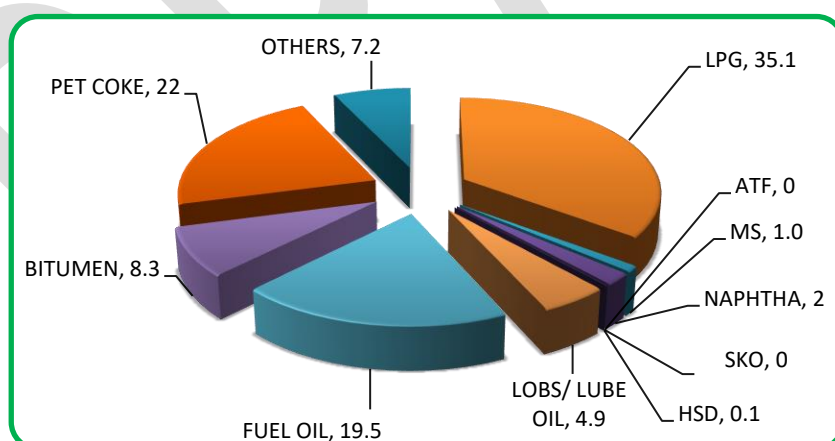
Details of import of petroleum products given in Table-4 below:

Table-4; Import of Petroleum products		
(Thousand Metric Tonnes)		
Product	July 2023 <sup>(P)</sup>	April to July 2023-24 <sup>(P)</sup>
LPG	1363	5132
MS/ Petrol	0.002	146
NAPHTHA	62	293
ATF	0	0
SKO	0	0
HSD	5	15
LOBS/LUBE OIL	168	718
FUEL OIL	683	2845
BITUMEN	246	1217
PETCOKE	734	3211
OTHERS <sup>§</sup>	299	1046
<b>TOTAL IMPORTS</b>	<b>3561</b>	<b>14622</b>

Notes: (P): Provisional. Source: Oil Companies & DGCIS. Total may not tally due to rounding off.  
# Private imports are prorated for the period June-2023 to July-2023 on the basis of actual data received from DGCIS for the period June-2022 to May-2023

<sup>§</sup> Others include Paraffin wax, Petroleum Jelly, Aviation Gas, MTBE, Reformate etc. LPG: Liquefied petroleum gas, MS: Motor spirit, ATF: Aviation turbine fuel; SKO: Superior kerosene oil, HSD: High speed diesel, MTBE: Methyl tert-butyl ether.

Figure 8: Percentage share of petroleum products in imports: April to July 2023-24 (P)



- Imports made due to deficit in production viz. LPG and Lubes/LOBS accounted for 40% share of total POL products import during April-July 2023-24 as compared to 45.3% during April- July 2022-23.
- Import of petcoke accounted for 22.0% of the total POL imports during April-July 2023-24. The entire quantity was imported by private importers.

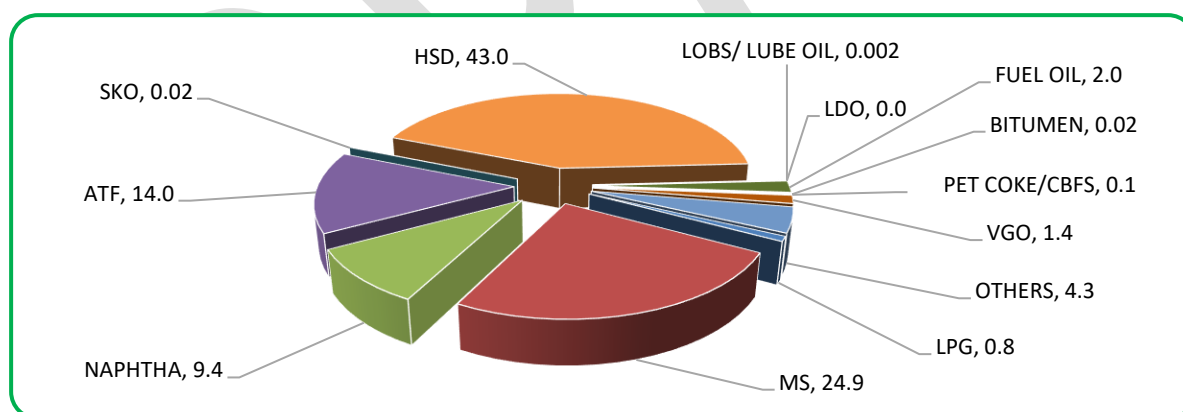
## 5.c Export of Petroleum Products

Details of export of petroleum products given in Table-5 below:

Table-5 Export of major Petroleum products		
(Thousand Metric Tonnes)		
Product	July 2023 <sup>(P)</sup>	April to July 2023-24 <sup>(P)</sup>
LPG	41	168
MS	1258	4991
Naphtha	490	1887
ATF	782	2813
SKO	1	5
HSD	2384	8619
LDO	0	0.1
LOBS/LUBE OIL	0.1	0.4
FUEL OIL	142	395
BITUMEN	3	3
PETCOKE	0	28
VGO	0	276
OTHERS <sup>#</sup>	255	857
<b>TOTAL EXPORT</b>	<b>5358</b>	<b>20042</b>

Note: (P): Provisional. Source: Oil Companies. Total may not tally due to rounding off.  
<sup>#</sup> Other include Benzene, Hexane, MTO, Paraffin wax, Polypropylene, Sulphur etc.  
 LPG: Liquefied petroleum gas, MS: Motor spirit, ATF: Aviation turbine fuel; SKO: Superior kerosene oil, HSD: High speed diesel, LDO: Light diesel oil, VGO: Vacuum gas oil, MTO: Mineral turpentine oil

Figure 9: Percentage share of petroleum products in export: April to July 2023-24 (P)



- Exports of POL products increased by 14.3% and decreased by 6.0% during July 2023 and April-July 2023 respectively as compared to the corresponding period of the previous year. Decrease in POL products exports during April-July 2023 were mainly due to decrease in exports of high-speed diesel (HSD) and naphtha.