

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

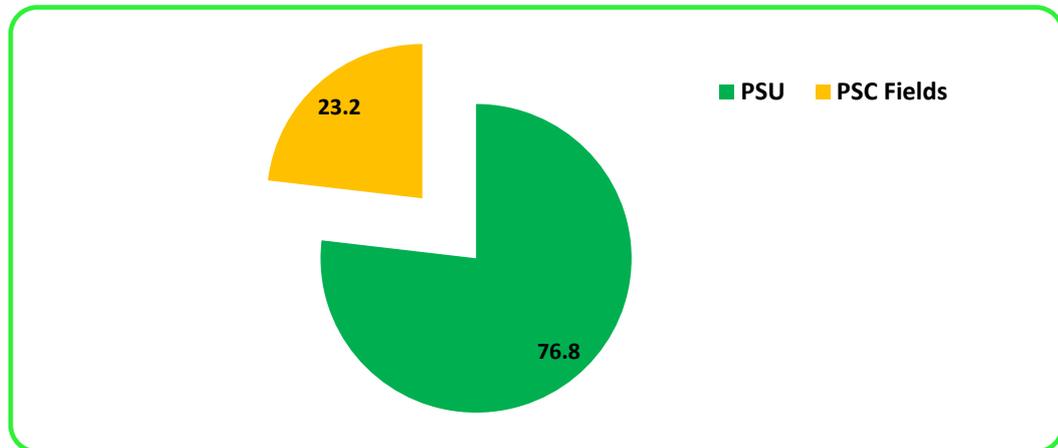
- Indigenous crude oil and condensate production during September 2023 was 2.38 MMT. OIL registered a production of 0.27 MMT, ONGC registered a production of 1.55 MMT whereas PSC registered production of 0.56 MMT during September 2023.
- Total Crude oil processed during September 2023 was 20.3 MMT which is 3.8% higher than September 2022. Where PSU/JV Refiners processed 13.8 MMT and PVT Refiners Processed 6.5 MMT of Crude Oil. Total Indigenous Crude Oil processed was 2.4 MMT and total Imported Crude oil processed was 17.9 by all Indian Refineries (PSU+JV+PVT). There was a growth of 2.8 % in Total Crude oil processed in April September FY 2023 – 24 as compared to same period of FY 2022 – 23.
- Production of petroleum products was 21.5 MMT during September 2023 which is 5.5% higher than September 2022. Out of 21.5 MMT, 21.2 MMT was from Refinery production & 0.3 MMT was from Fractionator. There was a growth of 4.0 % in Production of petroleum products in April September FY 2023 – 24 as compared to same period of FY 2022 – 23. Out of total POL production, in September 2023, share of HSD is 41.6 %, MS 16.6 %, Naphtha 6.4 %, ATF 6.0 %, Pet Coke 5.4 %, LPG 4.1 % which are of major products and rest are shared by Bitumen, FO/LSHS, LDO, Lubes & others.
- Crude oil imports increased by 3.9% and 0.1% during September 2023 and April-September 2023 respectively as compared to the corresponding period of the previous year.
- POL products imports increased by 27.1% and 10.4% during September 2023 and April-September 2023 respectively as compared to the corresponding period of the previous year. The rise in imports of POL products from April to September 2023 was primarily driven by increased imports of petcoke, bitumen and fuel oil.
- Exports of POL products decreased by 3.6% and 2.7% during September 2023 and April-September 2023 respectively as compared to the corresponding period of the previous year. The decline in exports of POL products from April to September 2023 can be attributed primarily to reduced exports of high-speed diesel (HSD) and naphtha.

## Part A: Production

## 2. Indigenous crude oil and condensate production

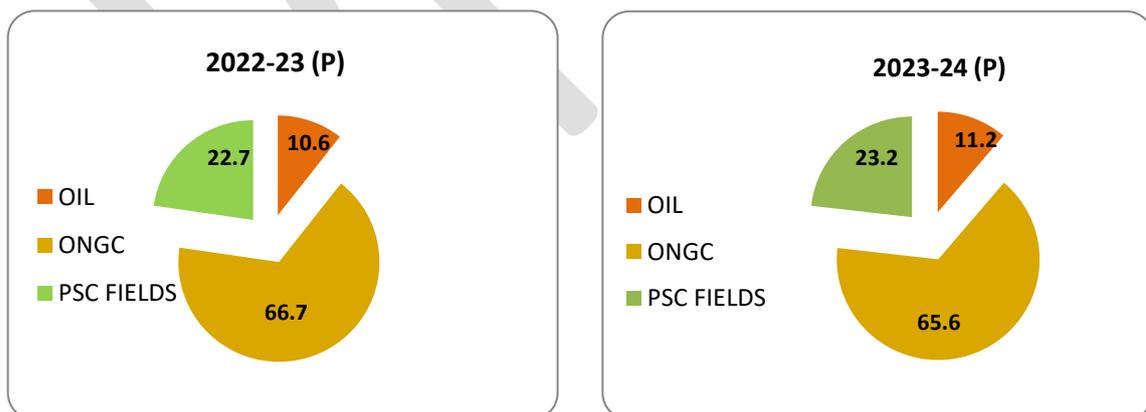
- The percentage share of PSU upstream companies and PSC fields in overall crude oil and condensate production during September 2023 (P) is shown in figure-1 below:

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



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

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

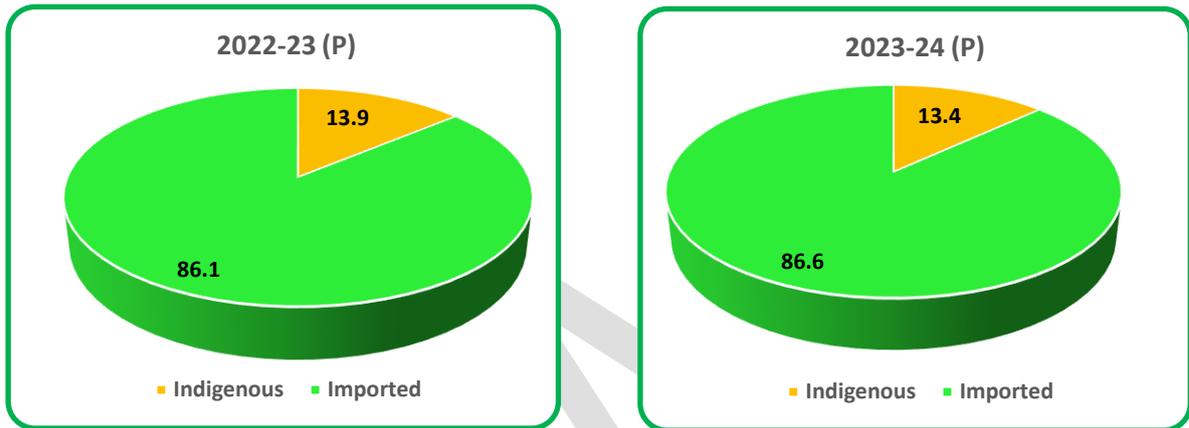


### 3. Crude oil processing by Oil Companies

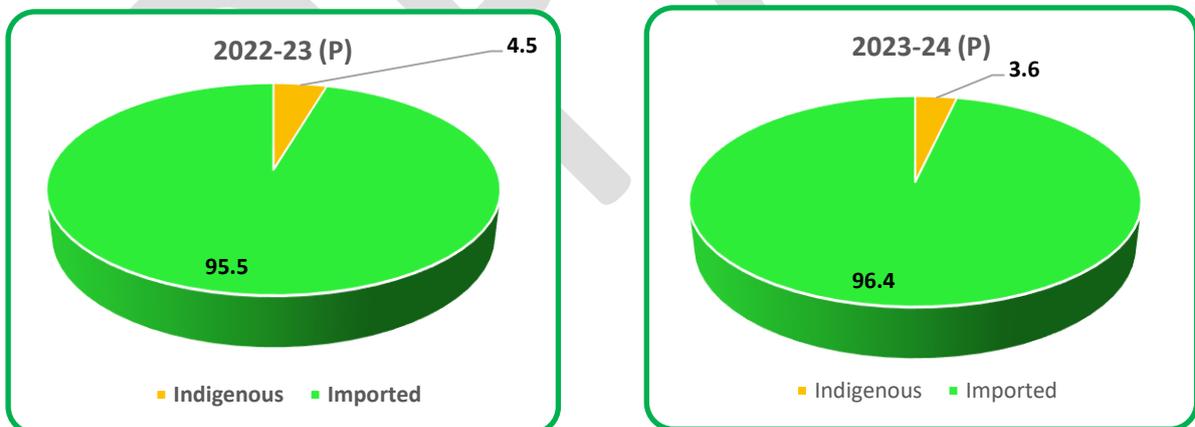
#### Analysis of crude oil processing by refineries:

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

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



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



	2022 - 23 (P)	September		April – September	
		2022-23 (P)	2023-24 (P)	2022-23 (P)	2023-24 (P)
		Qty. in MMT			
High Sulphur crude (HS)	197.9	15.1	15.1	98.3	100.1
Low Sulphur crude (LS)	57.4	4.5	5.2	28.0	29.7
Total crude processed	<b>255.2</b>	<b>19.5</b>	<b>20.3</b>	<b>126.3</b>	<b>129.8</b>
<b>% Share of HS crude in total crude processed</b>	<b>77.5%</b>	<b>77.0%</b>	<b>74.4%</b>	<b>77.8%</b>	<b>77.1%</b>

## 4. Production of Petroleum Products

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

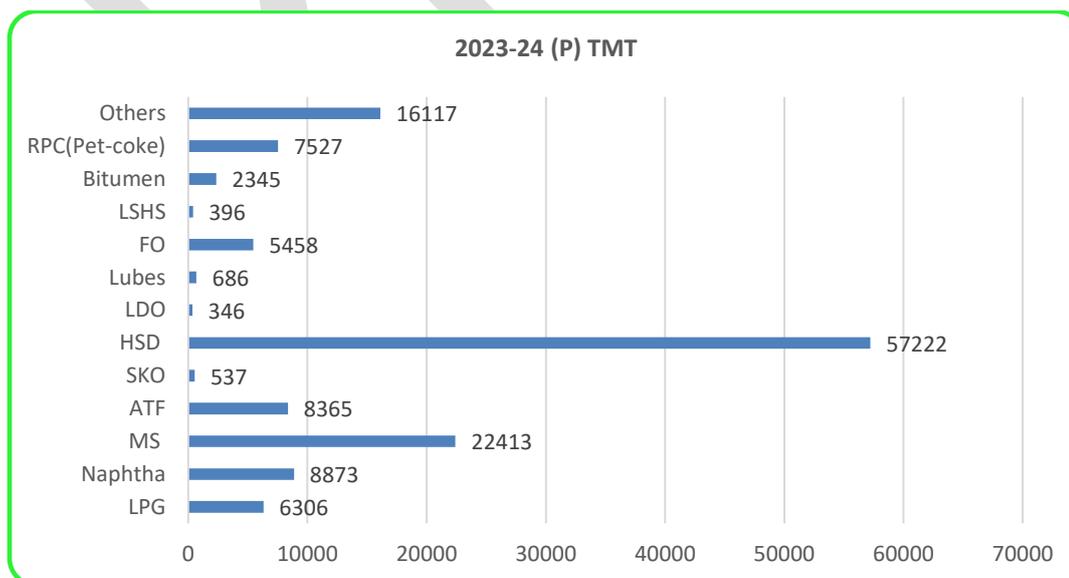
Table-2; Production of petroleum products	
(Thousand Metric Tonnes)	
Products	September 2023 <sup>(P)</sup>
LPG	879
Naphtha	1379
MS	<b>3561</b>
ATF	1278
SKO	108
HSD	<b>8938</b>
LDO	74
Lubes	96
FO	991
LSHS	67
Bitumen	278
RPC(Pet-coke)	1150
Others	2678
<b>Total</b>	<b>21476</b>

Note: (P): Provisional. Source: Oil Companies

\* Others include products like Propylene, solvents (Hexane, Benzene, Toluene, Xylene and Specialty solvents), Reformate, Mineral Turpentine Oil, Carbon Black Feedstock, Waxes, Sulphur etc.

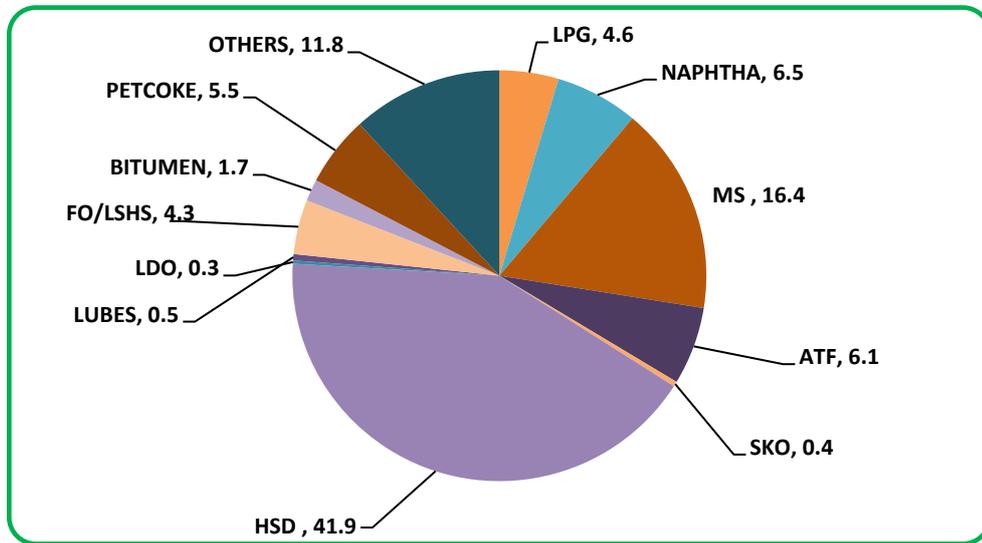
LPG: Liquefied petroleum gas, MS: Motor spirit, ATF: Aviation turbine fuel; SKO: Superior kerosene oil, HSD: High speed diesel;

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



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

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



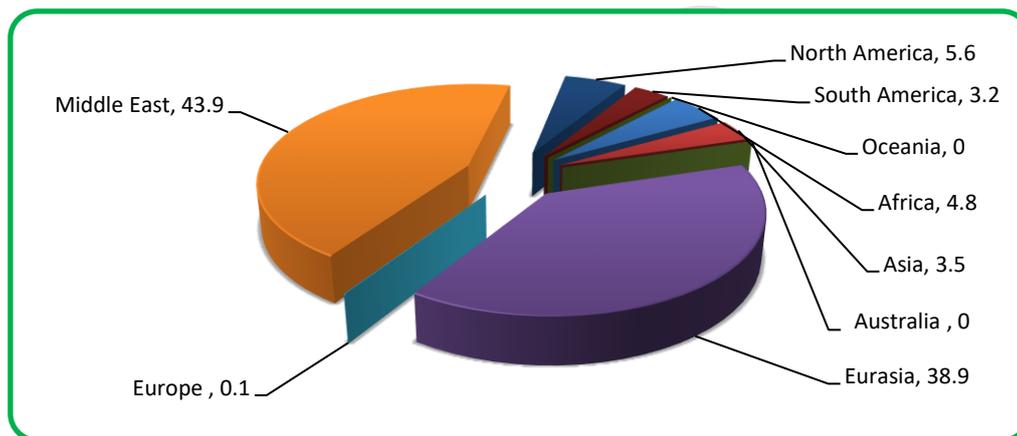
## Part B: Import /Export

## 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	September 2023 <sup>(P)</sup>	April to September 2023-24 <sup>(P)</sup>
Crude Oil	17425	115825

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



- Crude oil imports increased by 3.9% and 0.1% during September 2023 and April-September 2023 respectively as compared to the corresponding period of the previous year.
- Crude oil imports from OPEC countries decreased to 47.3% of total imports during April-September 2023-24 as compared to 63.1% during April-September 2022-23.

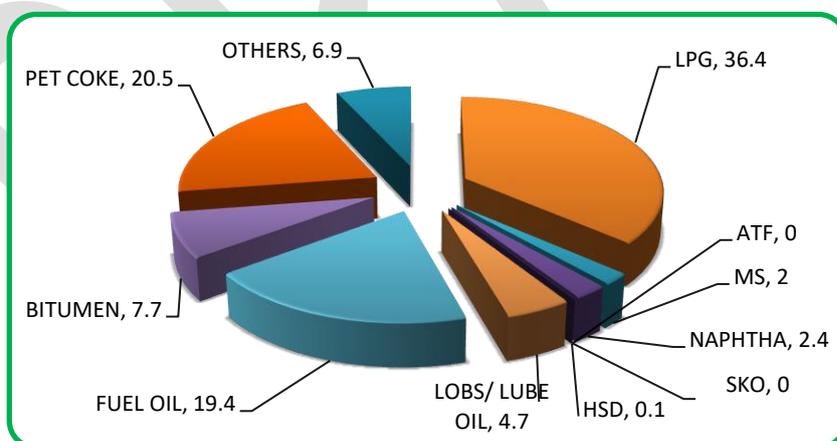
## 5.b Import Petroleum Products

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

Table-4; Import of Petroleum products		
(Thousand Metric Tonnes)		
Product	September 2023 <sup>(P)</sup>	April to September 2023-24 <sup>(P)</sup>
LPG	1615	8316
MS/ Petrol	151	446
NAPHTHA	128	548
ATF	0	0
SKO	0	0
HSD	5	20
LOBS/LUBE OIL	177	1064
FUEL OIL	822	4441
BITUMEN	249	1750
PETCOKE	748	4696
OTHERS <sup>§</sup>	123	1572
<b>TOTAL IMPORTS</b>	<b>4018</b>	<b>22854</b>

Notes: (P): Provisional. Source: Oil Companies & DGCIS. Total may not tally due to rounding off.  
# Private imports are prorated for the period July-2023 to September-2023 on the basis of actual data received from DGCIS for the period July-2022 to June-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 September 2023-24 (P)



- Imports made due to deficit in production viz. LPG and Lubes/LOBS accounted for 41% share of total POL products import during April-September 2023-24 as compared to 47.4% during April- September 2022-23.
- Import of petcoke accounted for 20.5% of the total POL imports during April-September 2023-24. The entire quantity was imported by private importers.

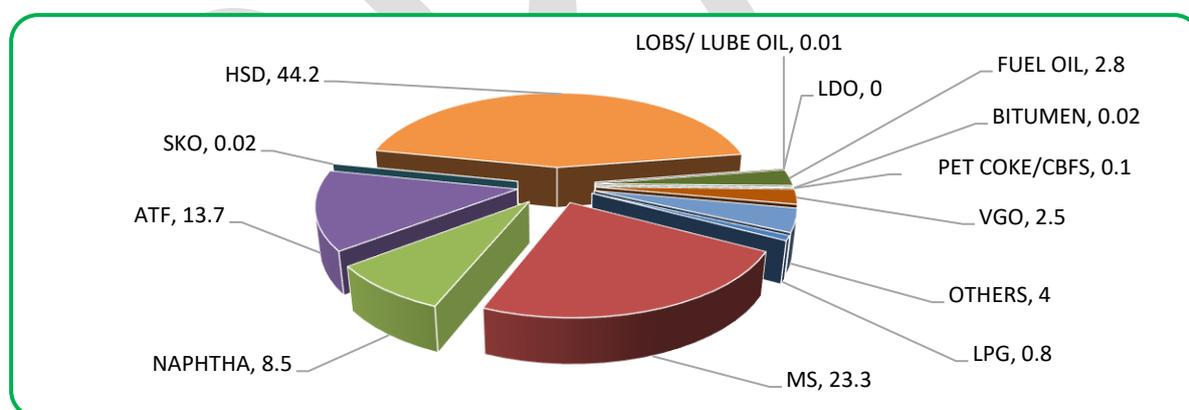
## 5.c Export of Petroleum Products

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

Table-5 Export of major Petroleum products		
(Thousand Metric Tonnes)		
Product	September 2023 <sup>(P)</sup>	April to September 2023-24 <sup>(P)</sup>
LPG	40	254
MS	993	7158
Naphtha	290	2594
ATF	490	4203
SKO	1	6
HSD	2324	13558
LDO	0	0.1
LOBS/LUBE OIL	1	2
FUEL OIL	220	862
BITUMEN	0.2	5
PETCOKE	0	28
VGO	279	782
OTHERS <sup>#</sup>	170	1224
<b>TOTAL EXPORT</b>	<b>4808</b>	<b>30677</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 September 2023-24 (P)



- Exports of POL products decreased by 3.6% and 2.7% during September 2023 and April-September 2023 respectively as compared to the corresponding period of the previous year. The decline in exports of POL products from April to September 2023 can be attributed primarily to reduced exports of high-speed diesel (HSD) and naphtha.