

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

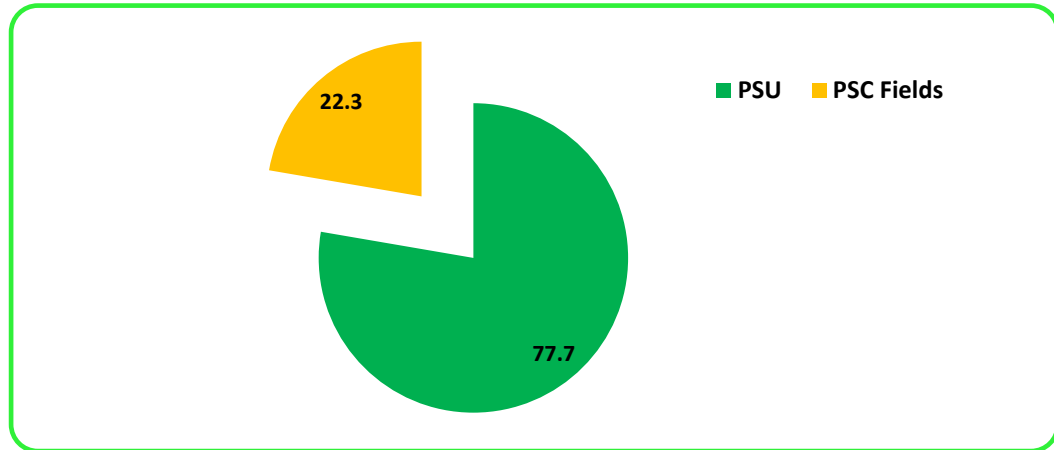
- Indigenous crude oil and condensate production during May 2023 was 2.50 MMT. OIL registered a production of 0.28 MMT, ONGC registered a production of 1.66 MMT whereas PSC registered production of 0.57 MMT during May 2023.
- Total Crude oil processed during May 2023 was 22.7 MMT which is 0.4 % higher than May 2022. Where PSU/JV Refiners processed 15.3 MMT and PVT Refiners Processed 7.4 MMT of Crude Oil. Total Indigenous Crude Oil processed was 2.2 MMT and total Imported Crude oil processed was 20.5 by all Indian Refineries (PSU+JV+PVT).
- Production of petroleum products was 23.9 MMT during May 2023 which is 2.8% higher than May 2022, where 23.6 MMT was from Refinery production & 0.3 MMT was from Fractionator. There was 0.7 % growth in Production of petroleum products in Apr May FY 2023 – 24 as compared to same period of FY 2022 – 23. Out of total POL production, in May 2023, HSD shares 42.2 %, MS 16.0 %, Naphtha 6.8 %, ATF 6.0 %, 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 increased by 2.0% and decreased by 3.1% during May 2023 and April-May 2023 respectively as compared to the corresponding period of the previous year.
- POL products imports increased by 10.7% and decreased by 11.1% during May 2023 and April-May 2023 respectively as compared to the corresponding period of the previous year. Decrease in POL products imports during April-May 2023 were mainly due to decrease in imports of liquified petroleum gas (LPG), petcoke etc.
- Exports of POL products recovered to 93.4% and 87.01% during May 2023 and April-May 2023 respectively as compared to the corresponding period of the previous year. Decrease in POL products exports during April-May 2023 were mainly due to decrease in exports of high speed diesel (HSD), naphtha etc.

Part A: Production

2. Indigenous crude oil and condensate production

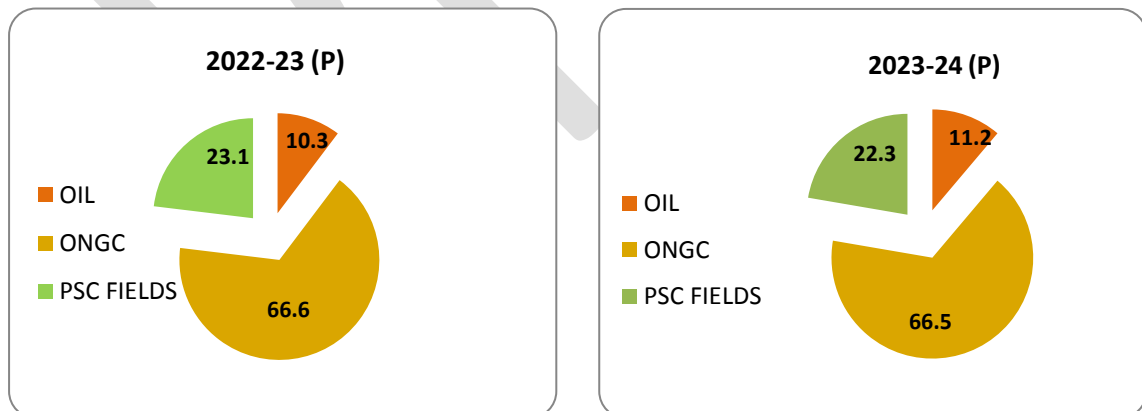
- The percentage share of PSU upstream companies and PSC fields in overall crude oil and condensate production during May 2023 (P) is shown in figure-1 below:

Figure-1; Percentage share in crude oil and condensate production; April - May 2023 ^(P)



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

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



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 May 2023 (P) and April May 2022 (P) is given below:

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

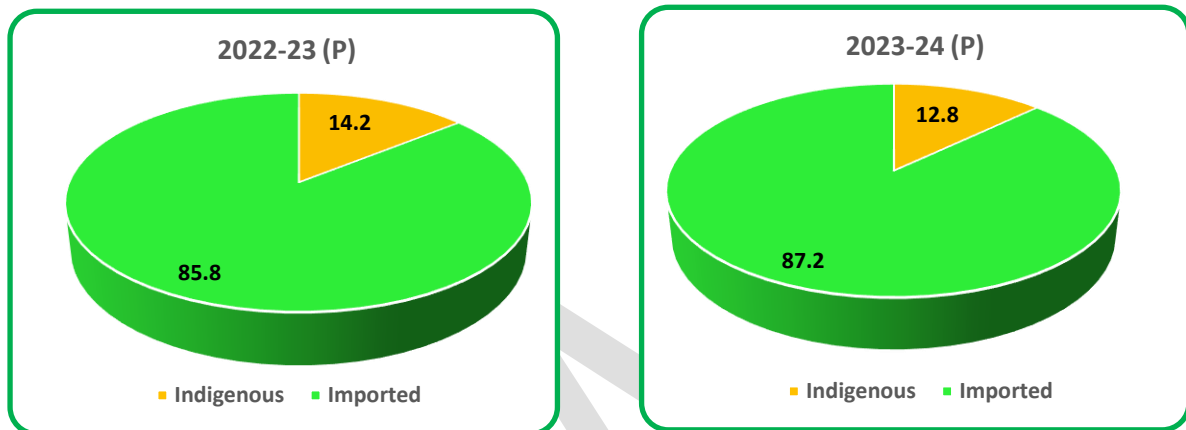
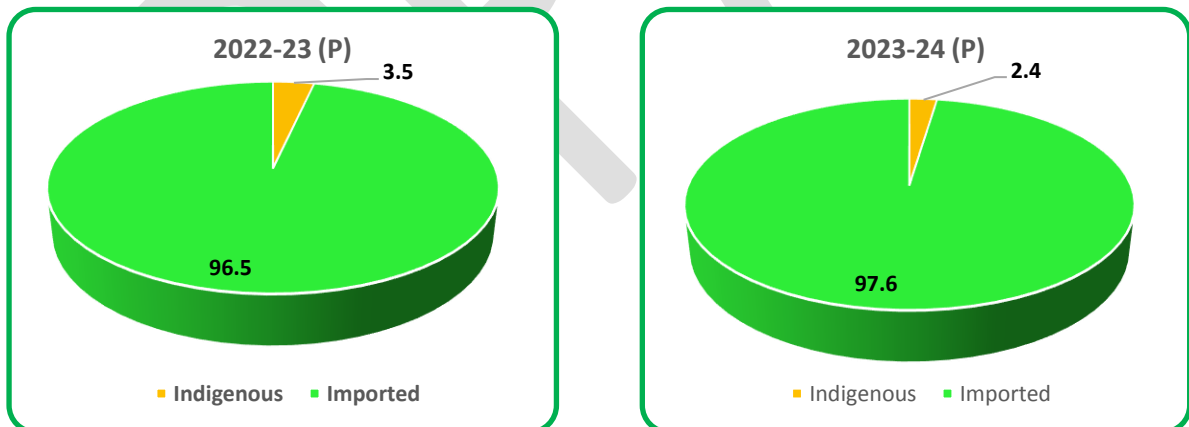


Figure-4; Percentage share of indigenous and imported crude oil processed by Private refineries: April - May



	2022 - 23 (P)	May		April – May	
		2022-23 (P)	2023-24 (P)	2022-23 (P)	2023-24 (P)
					Qty. in MMT
High Sulphur crude (HS)	197.9	17.9	18.0	34.5	34.8
Low Sulphur crude (LS)	57.4	4.7	4.7	9.8	9.4
Total crude processed	255.2	22.6	22.7	44.2	44.2
% Share of HS crude in total crude processed	77.5%	79.2%	79.2%	77.9%	78.8%

4. Production of Petroleum Products

Details of production of petroleum products by refineries and fractionators during May 2023^(P) are given in Table-2.

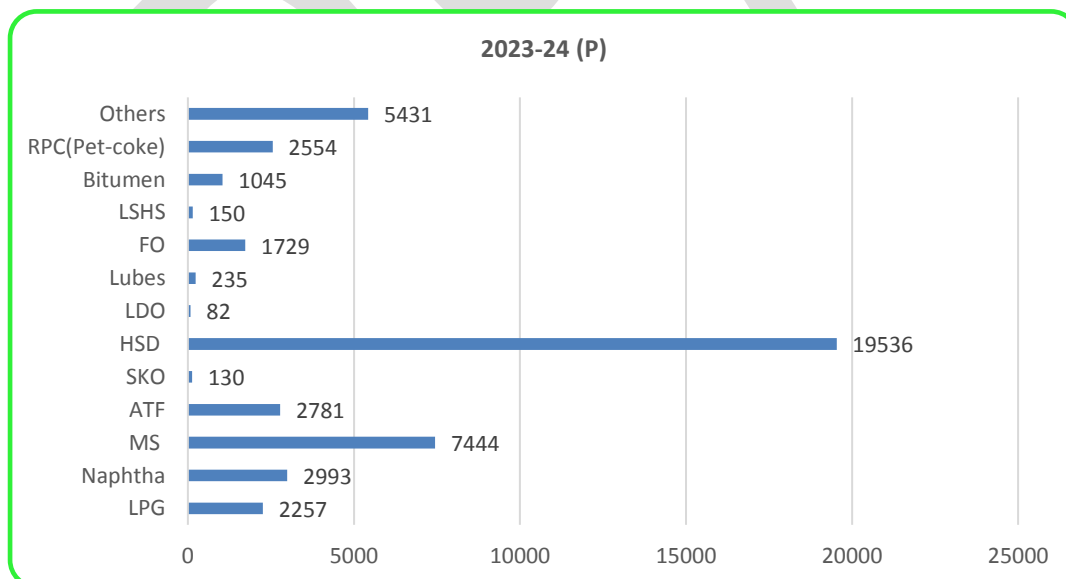
Table-2; Production of petroleum products	
(Thousand Metric Tonnes)	
Products	May 2023 ^(P)
LPG	1145
Naphtha	1616
MS	3826
ATF	1432
SKO	98
HSD	10082
LDO	42
Lubes	118
FO	746
LSHS	65
Bitumen	508
RPC(Pet-coke)	1375
Others	2844
Total	23897

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.

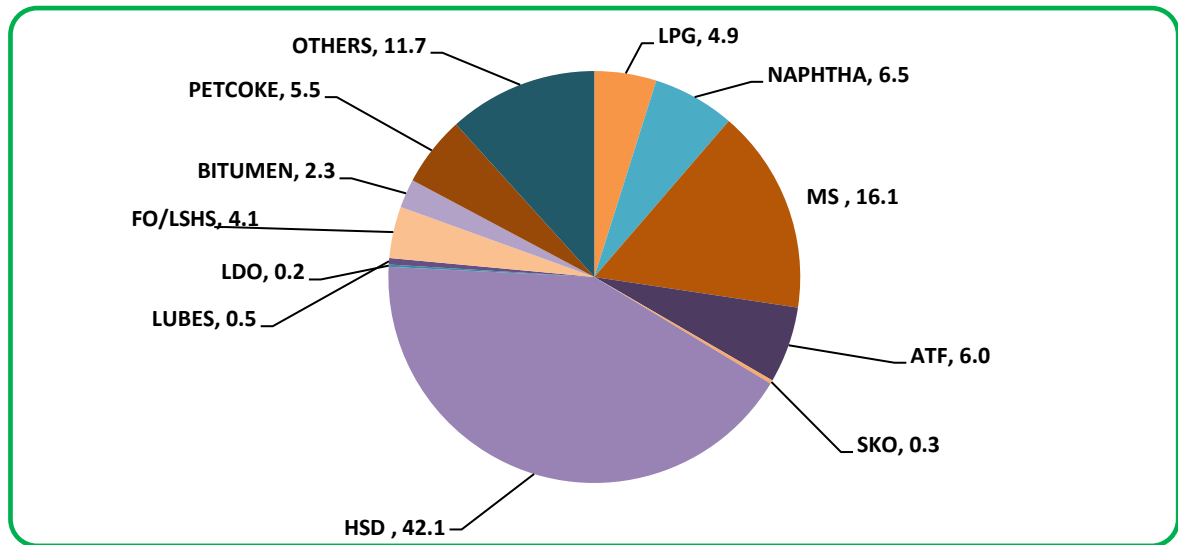
LPG: Liquefied petroleum gas, MS: Motor spirit, ATF: Aviation turbine fuel; SKO: Superior kerosene oil, HSD: High speed diesel;

Figure-5; Product wise production of POL products by refineries and fractionators: April May 2023 ^(P)



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

Figure-6; Percentage share of products in total POL production: April May 2023 ^(P)



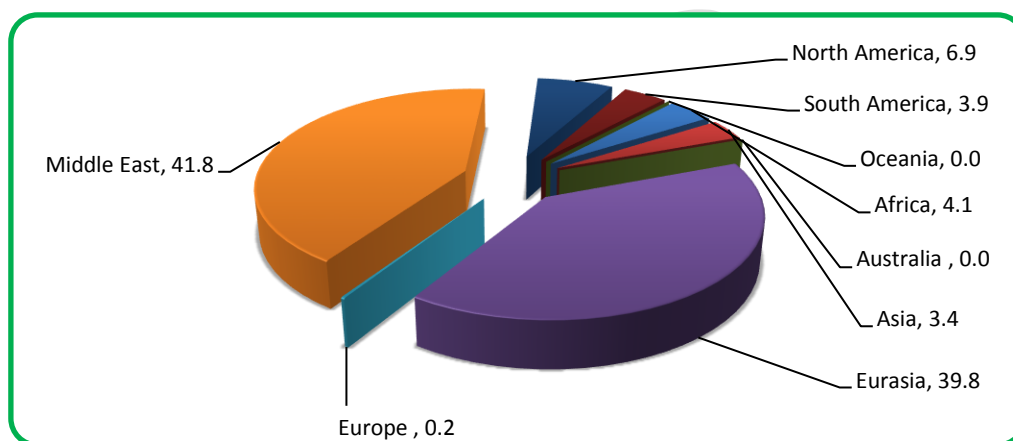
Part B: Import /Export

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	May 2023 ^(P)	April to May 2023-24 ^(P)
Crude Oil	20042	39988

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



- Crude oil imports increased by 2.0% and decreased by 3.1% during May 2023 and April-May 2023 respectively as compared to the corresponding period of the previous year.
- Crude oil imports from OPEC countries decreased to 44.9% of total imports during April-May 2023-24 as compared to 66.7% during April-May 2022-23.

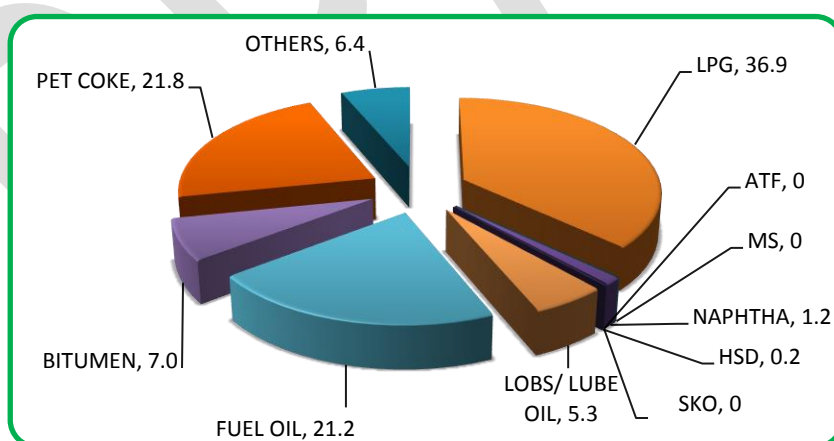
5.b Import Petroleum Products

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

Table-4; Import of Petroleum products		
(Thousand Metric Tonnes)		
Product	May 2023 ^(P)	April to May 2023-24 ^(P)
LPG	1444	2448
MS/ Petrol	0.001	0.003
NAPHTHA	55	78
ATF	0	0
SKO	0	0
HSD	6	12
LOBS/LUBE OIL	181	354
FUEL OIL	691	1407
BITUMEN	233	466
PETCOKE	722	1444
OTHERS [§]	304	426
TOTAL IMPORTS	3636	6635

Notes: (P): Provisional. Source: Oil Companies & DGCIS
Private imports are prorated for the period April-2023 to May-2023 on the basis of actual data received from DGCIS for the period April-2022 to March-2023
[§] 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 May 2023-24 (P)



- Imports made due to deficit in production viz. LPG and Lubes/LOBS accounted for 42.2% share of total POL products import during April-May 2023-24 as compared to 45.7% during April-May 2022-23.
- Import of petcoke accounted for 21.8% of the total POL imports during April-May 2023-24. The entire quantity was imported by private importers.

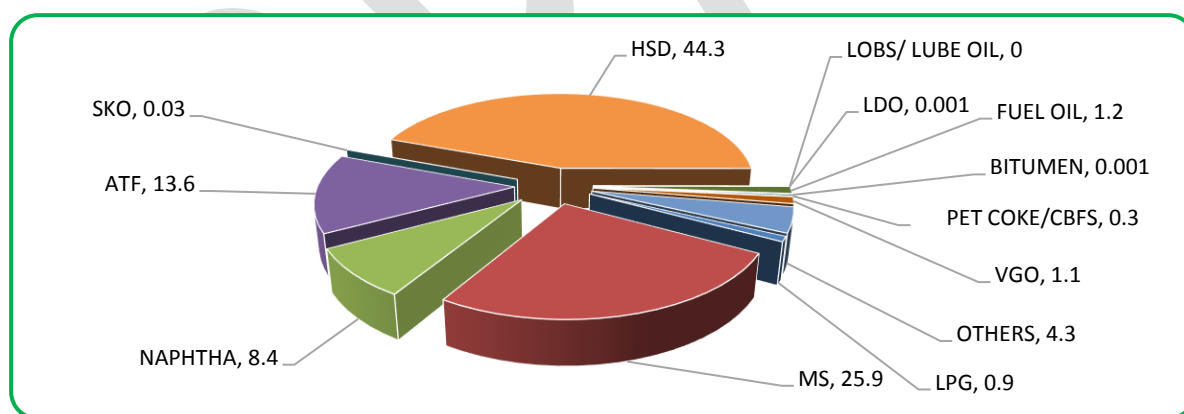
5.c Export of Petroleum Products

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

Table-5 Export of major Petroleum products		
(Thousand Metric Tonnes)		
Product	May 2023 ^(P)	April to May 2023-24 ^(P)
LPG	46	86
MS	1251	2508
Naphtha	464	811
ATF	682	1313
SKO	1	3
HSD	2375	4286
LDO	0	0.1
LOBS/LUBE OIL	0.01	0.05
FUEL OIL	89	117
BITUMEN	0.1	0.1
PETCOKE	17	28
VGO	109	109
OTHERS [#]	275	415
TOTAL EXPORT	5310	9675

Note: (P): Provisional. Source: Oil Companies
[#] 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 May 2023-24 (P)



- Exports of POL products recovered to 93.4% and 87.01% during May 2023 and April-May 2023 respectively as compared to the corresponding period of the previous year. Decrease in POL products exports during April-May 2023 were mainly due to decrease in exports of high speed diesel (HSD), naphtha etc.