

MONTHLY REPORT
ON
INDIGENOUS CRUDE OIL PRODUCTION, CRUDE OIL
IMPORT AND PROCESSING
&
PRODUCTION, IMPORT AND EXPORT OF PETROLEUM
PRODUCTS
January 2024



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

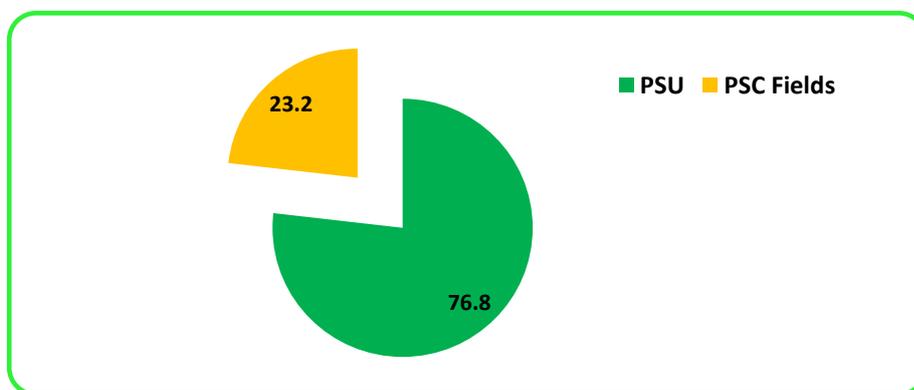
- Indigenous crude oil and condensate production during January 2024 was 2.5 MMT. OIL registered a production of 0.3 MMT, ONGC registered a production of 1.6 MMT whereas PSC/RSC registered production of 0.6 MMT during January 2024. There is a growth of 0.7% in crude oil and condensate production during January 2024 as compared to January 2023.
- Total Crude oil processed during January 2024 was 22.6 MMT which is 1.1% lower than January 2023, where PSU/JV refiners processed 15.3 MMT and private refiners processed 7.3 MMT of crude oil. Total indigenous crude oil processed was 2.2 MMT and total Imported crude oil processed was 20.4 by all Indian refineries (PSU+JV+PVT). There was a growth of 2.8 % in total crude oil processed in April January FY 2023 – 24 as compared to same period of FY 2022 – 23.
- Production of petroleum products was 23.0 MMT during January 2024 which is 4.3% lower than January 2023. Out of 23.0 MMT, 22.7 MMT was from refinery production & 0.3 MMT was from fractionator. There was a growth of 3.9 % in production of petroleum products in April January FY 2023 – 24 as compared to same period of FY 2022 – 23. Out of total POL production, in January 2024, share of HSD is 41.4 %, MS 16.3 %, Naphtha 7.3 %, ATF 6.7 %, Pet Coke 5.6 %, LPG 4.8% which are of major products and rest are shared by Bitumen, FO/LSHS, LDO, Lubes & others.
- Crude oil imports increased by 5.7% and 0.9% during January 2024 and April-January 2023-24 respectively as compared to the corresponding period of the previous year.
- POL products imports increased by 4.9% and 9.4% during January 2024 and April-January 2023-24 respectively as compared to the corresponding period of the previous year. Increase in POL products imports during April-January 2023-24 were mainly due to increase in imports of petcoke, bitumen and naphtha.
- Exports of POL products increased by 7.5% and 3.1% during January 2024 and April-January 2023-24 respectively as compared to the corresponding period of the previous year. Increase in POL products exports during April-January 2023-24 were mainly due to increase in exports of aviation turbine fuel (ATF), vacuum gas oil (VGO) and motor-spirit (MS).

Part A: Production

2. Indigenous crude oil and condensate production

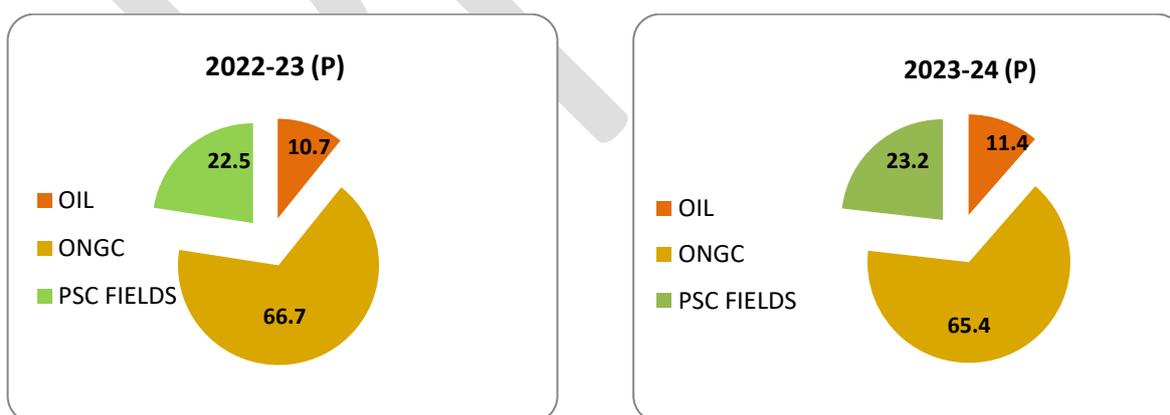
- The percentage share of PSU upstream companies and PSC fields in overall crude oil and condensate production during April-January FY 2023-24 (P) is shown in figure-1 below:

Figure-1; Percentage share in crude oil and condensate production; April – January FY 2023-24 ^(P)



- The comparison of percentage share of ONGC, OIL and PSC fields in total crude oil and condensate production during April January 2022-23 (P) and April January 2023-24 (P) is shown in figure-2 below:

Figure-2; Percentage share in crude oil production; April – January



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-January 2022-23 (P) and April-January 2023-24 (P) is given below

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

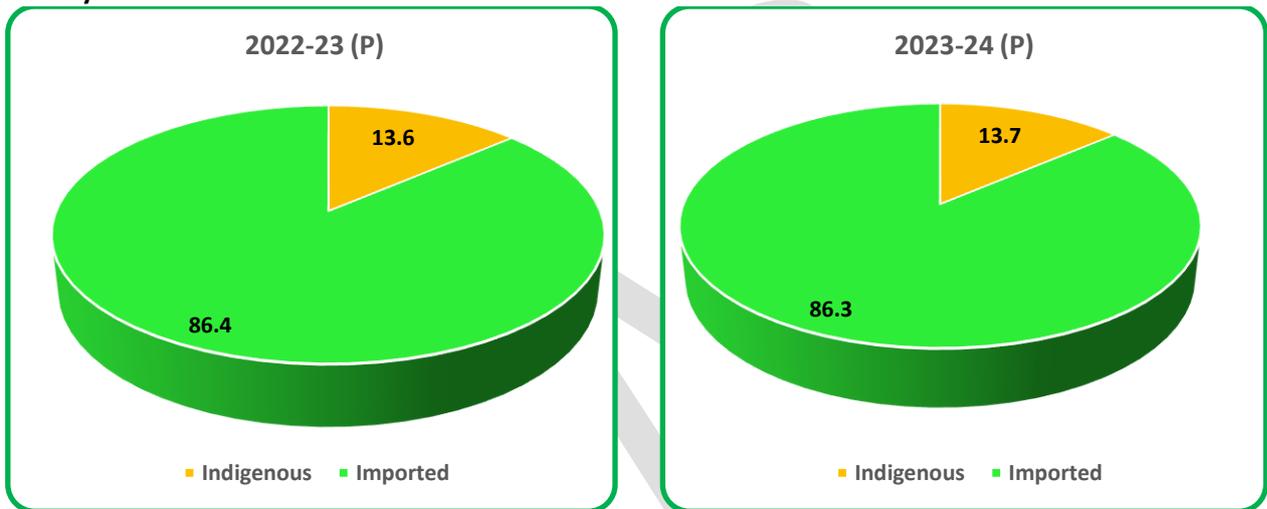
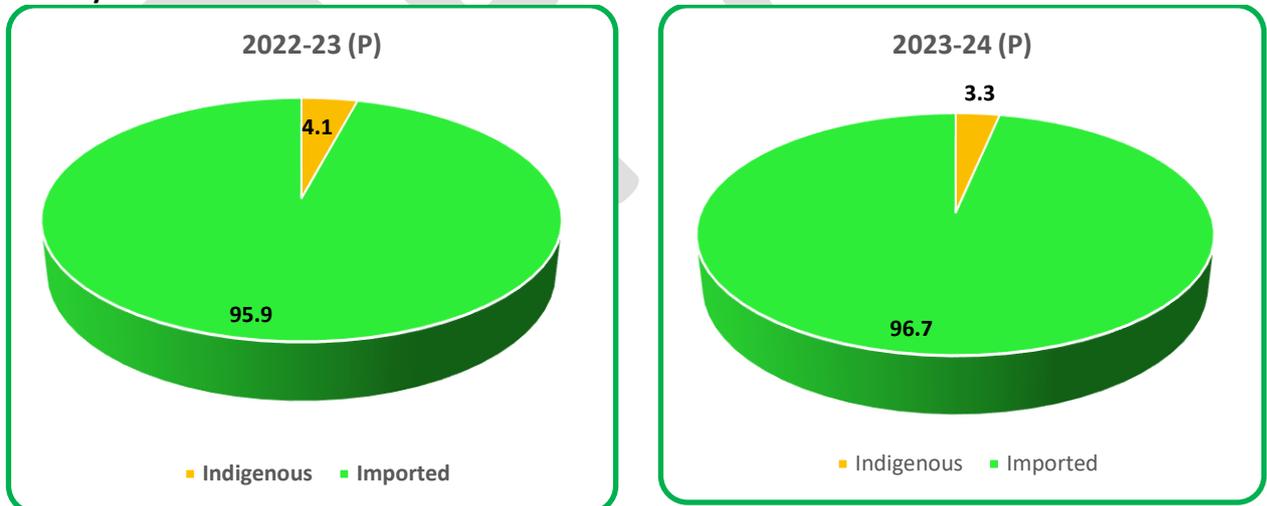


Figure-4; Percentage share of indigenous and imported crude oil processed by Private refineries: April - January



	2022 - 23 (P)	January		April – January	
		2022-23 (P)	2023-24 (P)	2022-23 (P)	2023-24 (P)
					Qty. in MMT
High Sulphur crude (HS)	197.9	17.6	18.2	163.3	169.7
Low Sulphur crude (LS)	57.4	5.3	4.4	48.1	47.6
Total crude processed	255.2	22.8	22.6	211.4	217.3
% Share of HS crude in total crude processed	77.5%	77.0%	80.5%	77.2%	78.1%

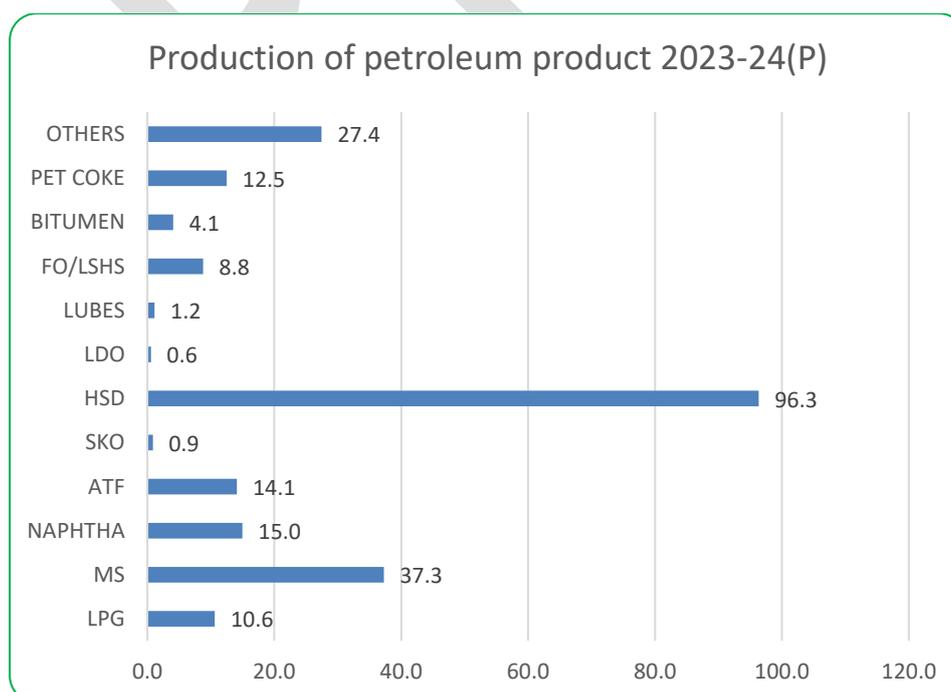
4. Production of Petroleum Products

Details of production of petroleum products by refineries and fractionators during January 2024^(P) are given in Table-2.

Table-2; Production of petroleum products	
(Thousand Metric Tonnes)	
Products	January 2024 ^(P)
LPG	1114
Naphtha	1689
MS	3753
ATF	1545
SKO	102
HSD	9515
LDO	48
Lubes	112
FO	700
LSHS	91
Bitumen	455
RPC(Pet-coke)	1284
Others	2590
Total	23000

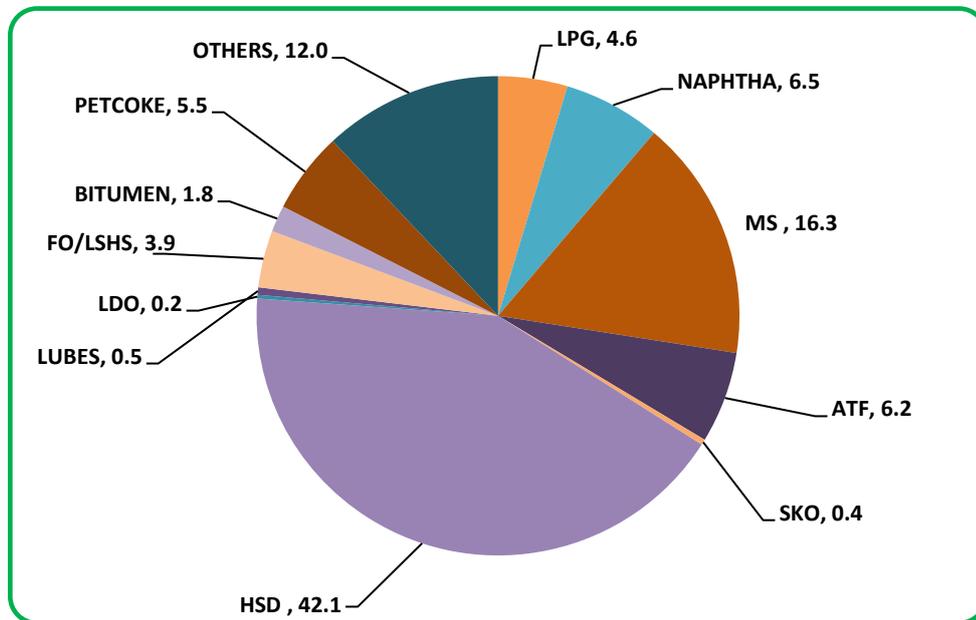
Note: (P): Provisional. Source: Oil Companies, Total may not tally due to rounding off.
 * Others include products like Propylene, solvents (Hexane, Benzene, Toluene, Xylene and Specialty solvents), Reformate, Mineral Turpentine Oil, Carbon Black Feedstock, Waxes, Sulphur etc.
 LPG: Liquefied petroleum 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-January 2023^(P)



The percentage share of various products in total POL production during April - January FY 2023-24 is shown below:

Figure-6; Percentage share of products in total POL production: April-January 2023-24 ^(P)



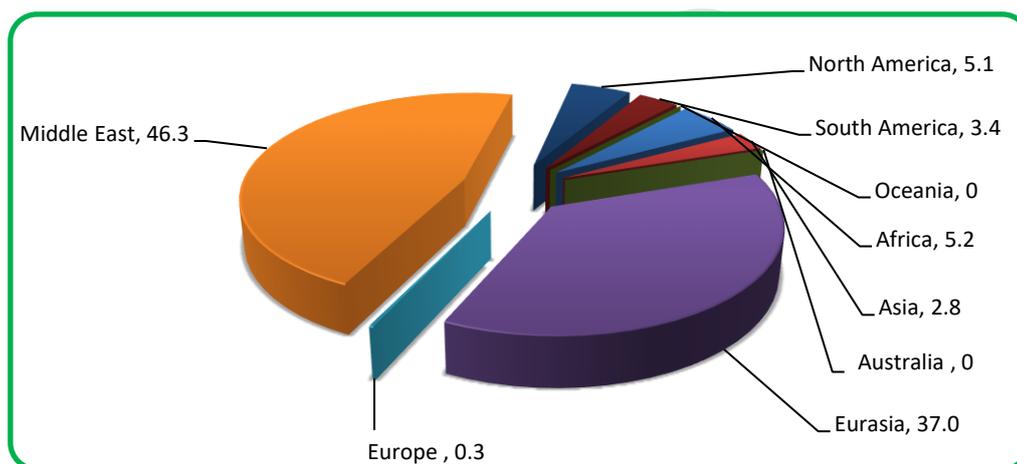
Part B: Import /Export

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	January 2024 ^(P)	April to January 2023-24 ^(P)
Crude Oil	21387	194157

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



- Crude oil imports increased by 5.7% and 0.9% during January 2024 and April-January 2023-24 respectively as compared to the corresponding period of the previous year.
- Crude oil imports from OPEC countries decreased to 49.8% of total imports during April-January 2023-24 as compared to 61.0% during April-January 2022-23.

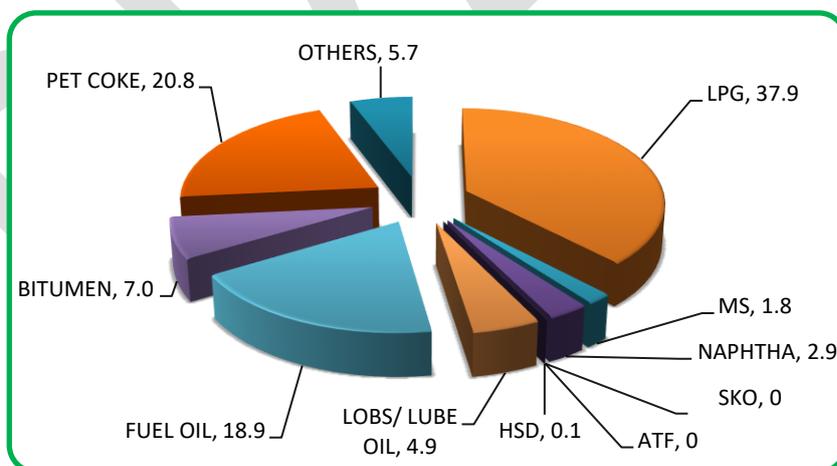
5.b Import Petroleum Products

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

Table-4; Import of Petroleum products		
(Thousand Metric Tonnes)		
Product	January 2024 ^(P)	April to January 2023-24 ^(P)
LPG	1614	15136
MS/ Petrol	0	717
NAPHTHA	49	1166
ATF	0	0.003
SKO	0	0
HSD	5	34
LOBS/LUBE OIL	189	1941
FUEL OIL	778	7567
BITUMEN	283	2794
PETCOKE	813	8333
OTHERS [§]	238	2288
TOTAL IMPORTS	3969	39977

Notes: (P): Provisional. Source: Oil Companies & DGCIS. Total may not tally due to rounding off.
Private imports are prorated for the period November-2023 to January-2024 on the basis of actual data received from DGCIS for the period November-2022 to October-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 January 2023-24 (P)



- Imports made due to deficit in production viz. LPG and Lubes/LOBS accounted for 42.7% share of total POL products import during April-January 2023-24 as compared to 46.7% during April-January 2022-23.
- Import of petcoke accounted for 20.8% of the total POL imports during April-January 2023-24. The entire quantity was imported by private importers.

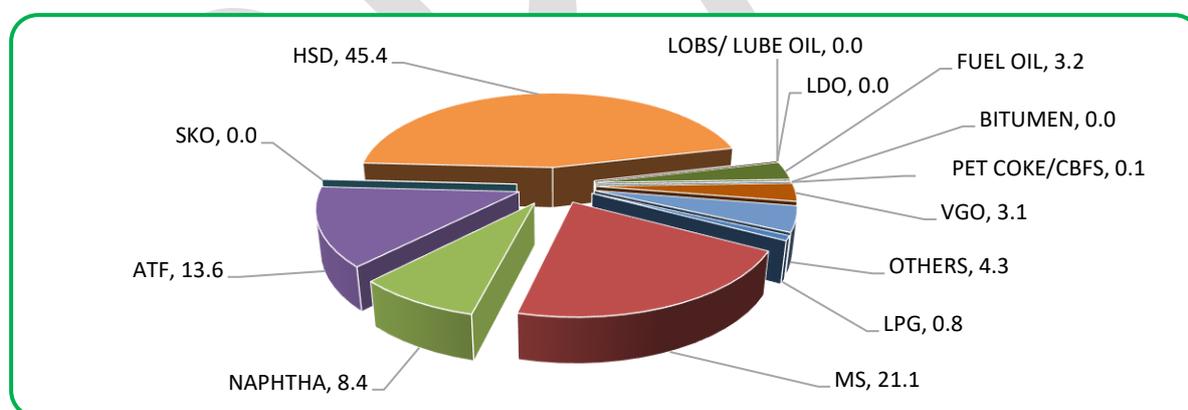
5.c Export of Petroleum Products

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

Table-5 Export of major Petroleum products		
(Thousand Metric Tonnes)		
Product	January 2024 ^(P)	April to January 2023-24 ^(P)
LPG	45	432
MS	974	10868
Naphtha	426	4316
ATF	727	6973
SKO	1	9
HSD	2022	23361
LDO	0	0.1
LOBS/LUBE OIL	1	6
FUEL OIL	247	1630
BITUMEN	2	7
PETCOKE	0	28
VGO	0	1595
OTHERS [#]	392	2237
TOTAL EXPORT	4837	51462

Note: (P): Provisional. Source: Oil Companies. Total may not tally due to rounding off.
[#] 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 January 2023-24 (P)



- Exports of POL products increased by 7.5% and 3.1% during January 2024 and April-January 2023-24 respectively as compared to the corresponding period of the previous year. Increase in POL products exports during April-January 2023-24 were mainly due to increase in exports of aviation turbine fuel (ATF), vacuum gas oil (VGO) and motor-spirit (MS).