

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

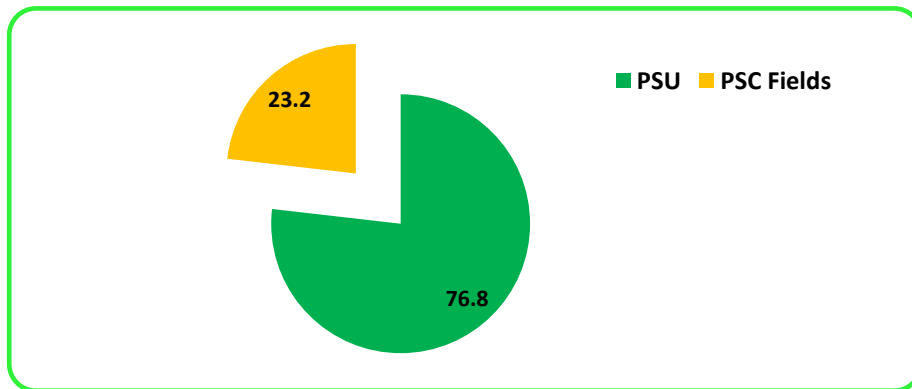
- Indigenous crude oil and condensate production during February 2024 was 2.3 MMT. OIL registered a production of 0.3 MMT, ONGC registered a production of 1.5 MMT whereas PSC/RSC registered production of 0.5 MMT during February 2024. There is a growth of 7.9% in crude oil and condensate production during February 2024 as compared to February 2023.
- Total Crude oil processed during February 2024 was 20.9 MMT which is 0.14% higher than February 2023, where PSU/JV refiners processed 14.4 MMT and private refiners processed 6.5 MMT of crude oil. Total indigenous crude oil processed was 2.1 MMT and total Imported crude oil processed was 18.8 MMT by all Indian refineries (PSU+JV+PVT). There was a growth of 2.6 % in total crude oil processed in April February FY 2023 – 24 as compared to same period of FY 2022 – 23.
- Production of petroleum products was 22.4 MMT during February 2024 which is 2.6% higher than February 2023. Out of 22.4 MMT, 22.1 MMT was from refinery production & 0.3 MMT was from fractionator. There was a growth of 3.8 % in production of petroleum products in April February FY 2023 – 24 as compared to same period of FY 2022 – 23. Out of total POL production, in February 2024, share of HSD is 42.3 %, MS 16.4 %, Naphtha 7.3 %, ATF 6.5 %, Pet Coke 5.3 %, LPG 4.5% which are of major products and rest are shared by Bitumen, FO/LSHS, LDO, Lubes & others.
- Crude oil imports decreased by 6.6% and increased by 0.4% during February 2024 and April-February FY 2023-24 respectively as compared to the corresponding period of the previous year.
- POL products imports increased by 8.7% and 8.8% during February 2024 and April-February FY 2023-24 respectively as compared to the corresponding period of the previous year. Increase in POL products imports during April-February FY 2023-24 were mainly due to increase in imports of petcoke, fuel oil (FO) and bitumen.
- Exports of POL products increased by 5.1% and 3.3% during February 2024 and April-February FY 2023-24 respectively as compared to the corresponding period of the previous year. Increase in POL products exports during April-February FY 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

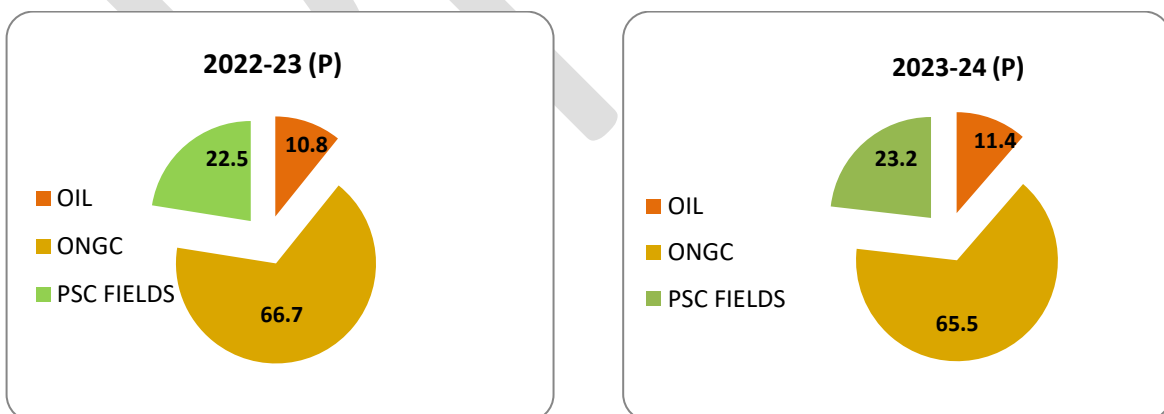
- The percentage share of PSU upstream companies and PSC fields in overall crude oil and condensate production during April-February FY 2023-24 (P) is shown in figure-1 below:

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



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

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



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

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

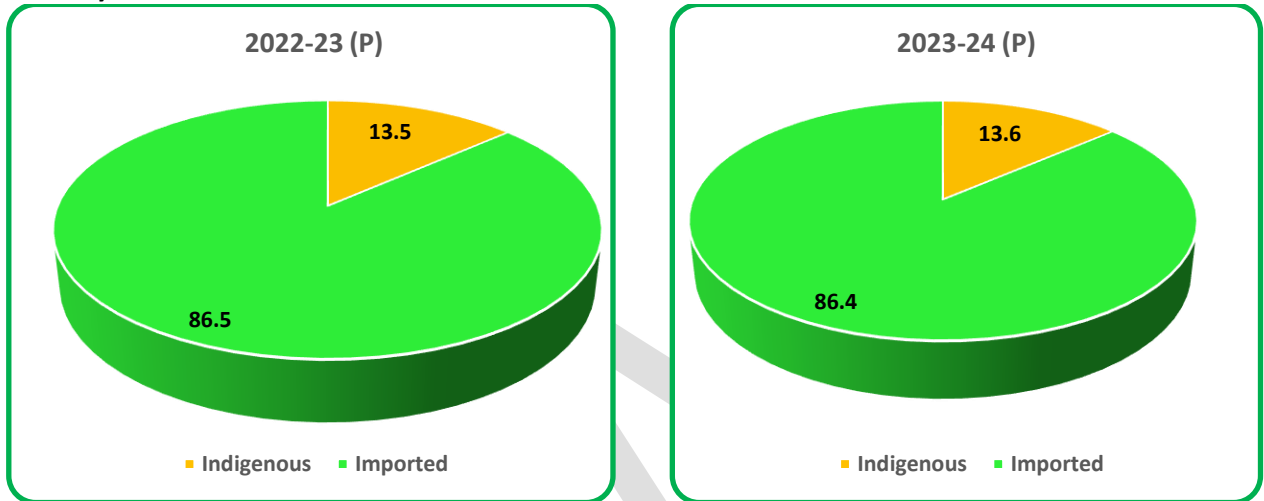
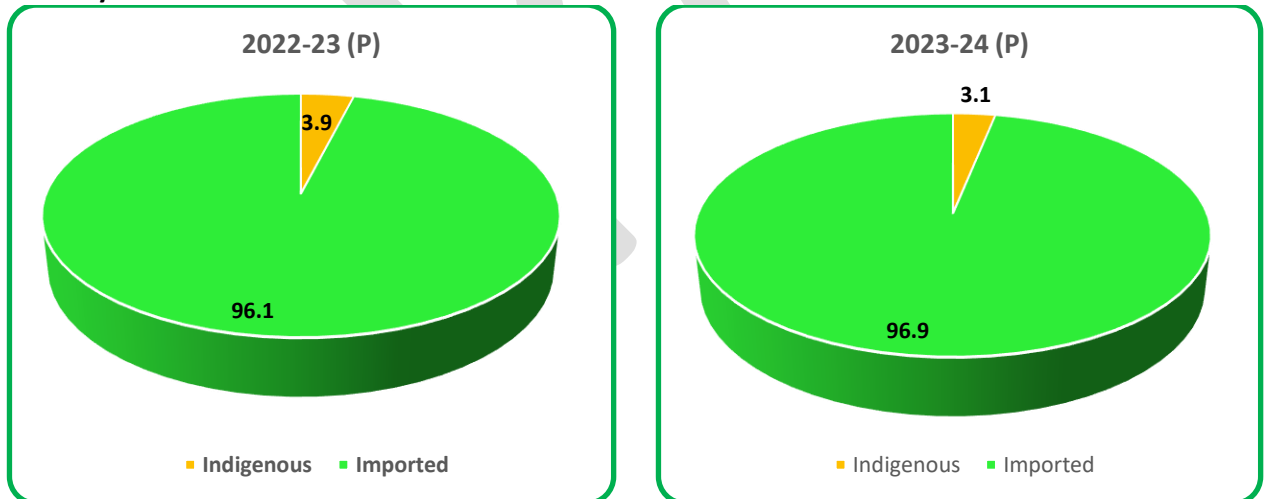


Figure-4; Percentage share of indigenous and imported crude oil processed by Private refineries: April - February



	2022 - 23 (P)	February		April – February	
		2022-23 (P)	2023-24 (P)	2022-23 (P)	2023-24 (P)
					Qty. in MMT
High Sulphur crude (HS)	197.9	16.7	16.7	179.9	186.4
Low Sulphur crude (LS)	57.4	4.2	4.2	52.3	51.8
Total crude processed	255.2	20.8	20.9	232.2	238.2
% Share of HS crude in total crude processed	77.5%	79.9%	79.8%	77.5%	78.3%

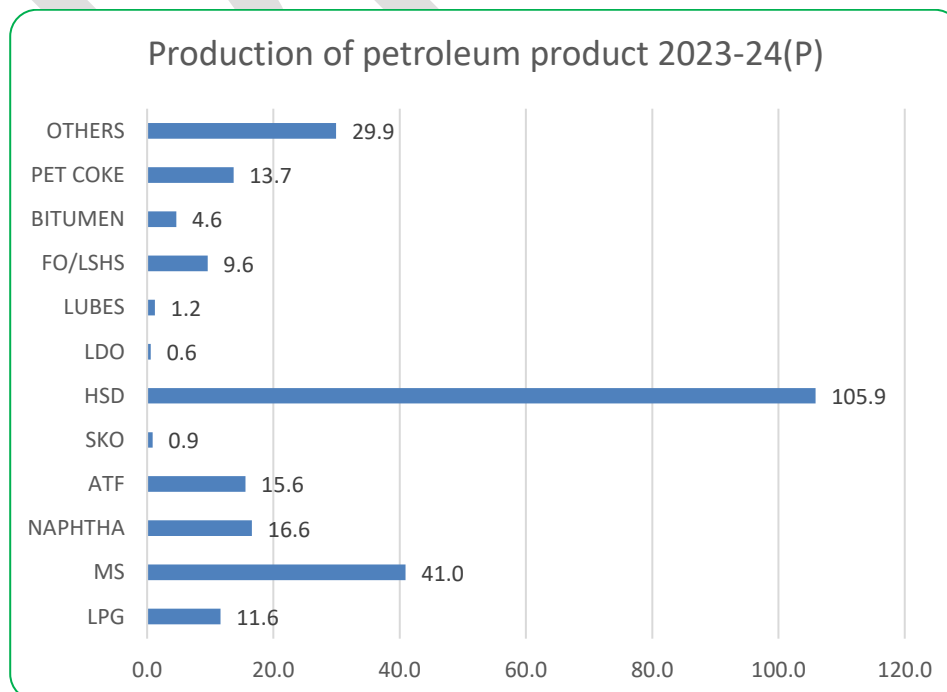
4. Production of Petroleum Products

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

Table-2; Production of petroleum products	
(Thousand Metric Tonnes)	
Products	February 2024 ^(P)
LPG	1009
Naphtha	1642
MS	3671
ATF	1447
SKO	25
HSD	9492
LDO	26
Lubes	88
FO	706
LSHS	82
Bitumen	523
RPC(Pet-coke)	1199
Others	2520
Total	22429

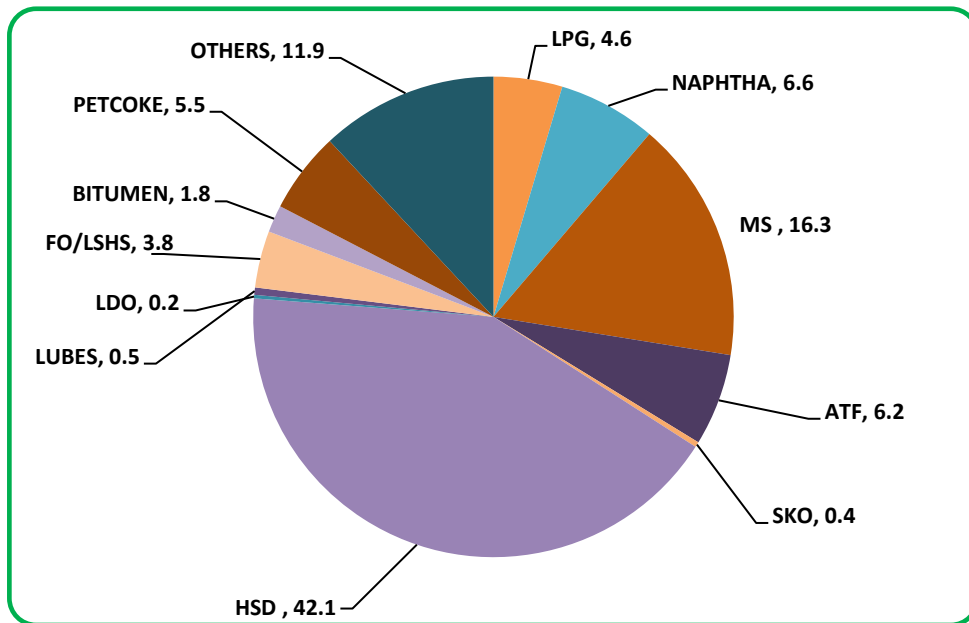
Note: (P): Provisional. Source: Oil Companies, Total may not tally due to rounding off.
 * Others include products like Propylene, solvents (Hexane, Benzene, Toluene, Xylene and Specialty solvents), Reformate, Mineral Turpentine Oil, Carbon Black Feedstock, Waxes, Sulphur etc.
 LPG: Liquefied petroleum 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-February FY 2023-24^(P)



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

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



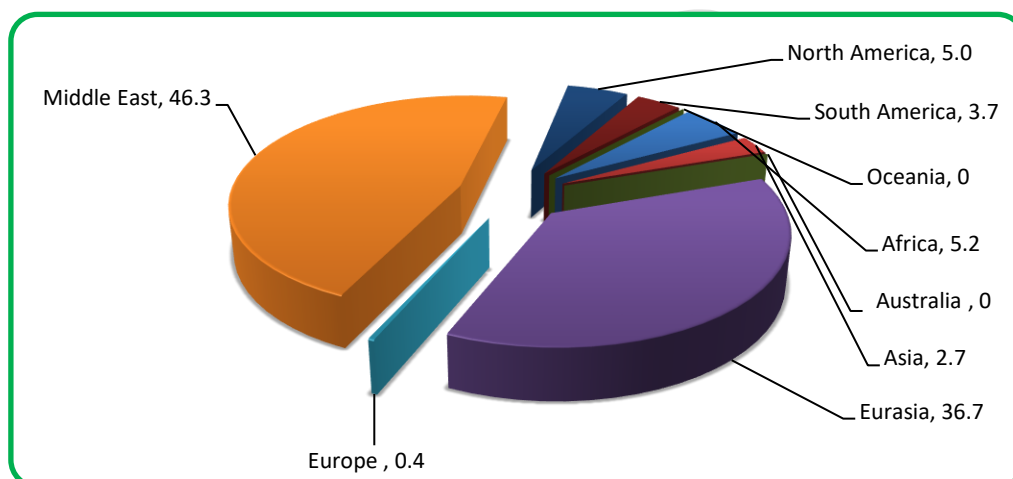
Part B: Import /Export

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	February 2024 ^(P)	April to February FY 2023-24 ^(P)
Crude Oil	18016	212581

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



- Crude oil imports decreased by 6.6% and increased by 0.4% during February 2024 and April-February FY 2023-24 respectively as compared to the corresponding period of the previous year.
- Crude oil imports from OPEC countries decreased to 50.3% of total imports during April-February FY 2023-24 as compared to 60.1% during April-February FY 2022-23.

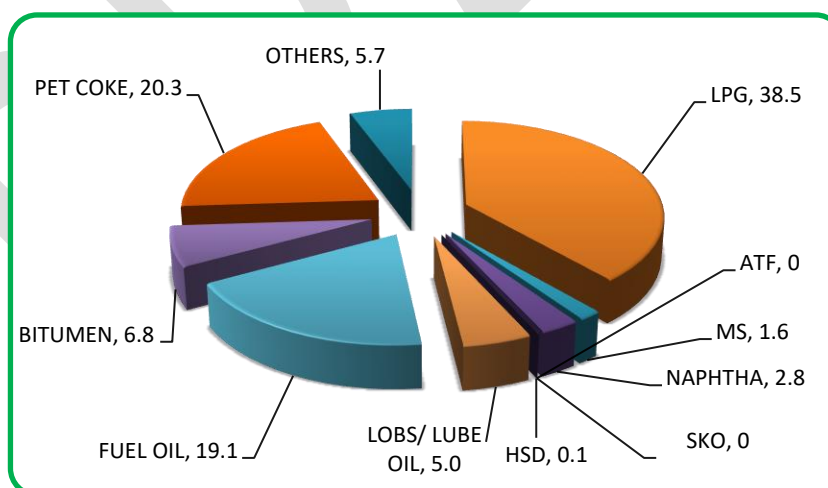
5.b Import Petroleum Products

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

Table-4; Import of Petroleum products		
(Thousand Metric Tonnes)		
Product	February 2024 ^(P)	April to February FY 2023-24 ^(P)
LPG	1735	16872
MS/ Petrol	0	717
NAPHTHA	52	1231
ATF	0	0.003
SKO	0	0
HSD	4	34
LOBS/LUBE OIL	189	2175
FUEL OIL	812	8363
BITUMEN	274	2994
PETCOKE	795	8900
OTHERS [§]	181	2490
TOTAL IMPORTS	4041	43777

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



- Imports made due to deficit in production viz. LPG and Lubes/LOBS accounted for 43.5% share of total POL products import during April-February FY 2023-24 as compared to 47.0% during April-February FY 2022-23.
- Import of petcoke accounted for 20.3% of the total POL imports during April-February FY 2023-24. The entire quantity was imported by private importers.

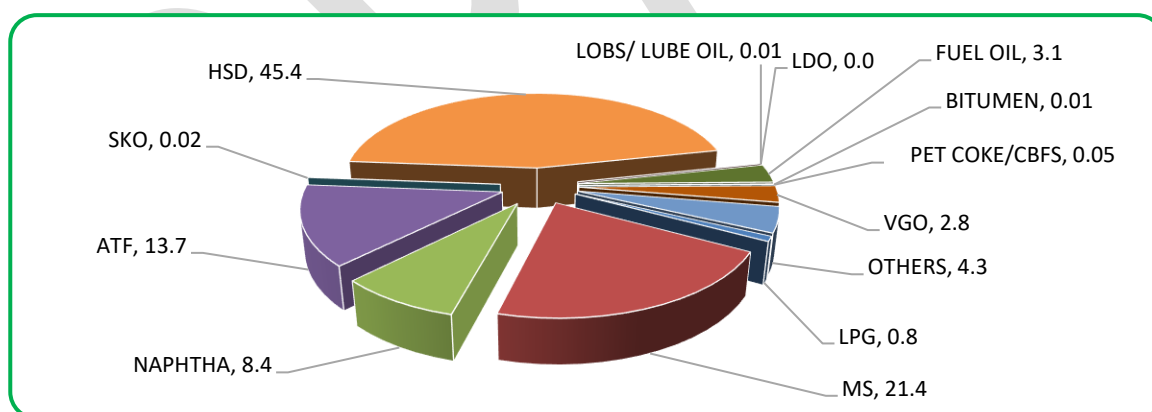
5.c Export of Petroleum Products

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

Table-5 Export of major Petroleum products		
(Thousand Metric Tonnes)		
Product	February 2024 ^(P)	April to February FY 2023-24 ^(P)
LPG	45	477
MS	1256	12123
Naphtha	437	4753
ATF	815	7789
SKO	1	10
HSD	2399	25760
LDO	0	0.1
LOBS/LUBE OIL	1	6
FUEL OIL	137	1767
BITUMEN	2	8
PETCOKE	0	28
VGO	0	1595
OTHERS [#]	224	2461
TOTAL EXPORT	5316	56778

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 February FY 2023-24 (P)



- Exports of POL products increased by 5.1% and 3.3% during February 2024 and April-February FY 2023-24 respectively as compared to the corresponding period of the previous year. Increase in POL products exports during April-February 2023-24 were mainly due to increase in exports of aviation turbine fuel (ATF), vacuum gas oil (VGO) and motor-spirit (MS).