

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

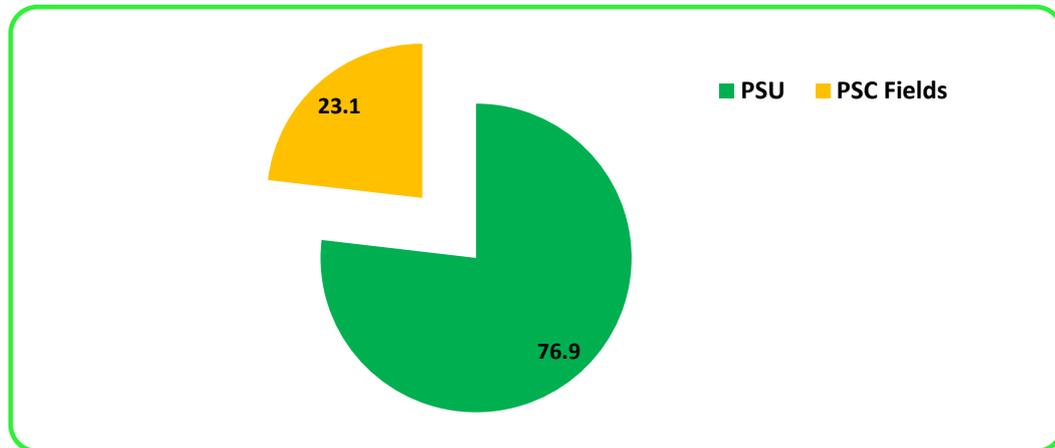
- Indigenous crude oil and condensate production during August 2023 was 2.49 MMT. OIL registered a production of 0.28 MMT, ONGC registered a production of 1.61 MMT whereas PSC registered production of 0.60 MMT during August 2023. There is a growth of 2.1% in Total Crude Oil & Condensate Production in August 2023 as compared to August 2022.
- Total Crude oil processed during August 2023 was 21.9 MMT which is 12.2% higher than August 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 2.1 MMT and total Imported Crude oil processed was 19.8 by all Indian Refineries (PSU+JV+PVT). There was a growth of 2.6 % in Total Crude oil processed in Apr August FY 2023 – 24 as compared to same period of FY 2022 – 23.
- Production of petroleum products was 22.9 MMT during August 2023 which is 9.5% higher than August 2022. Out of 22.9 MMT, 22.6 MMT was from Refinery production & 0.3 MMT was from Fractionator. There was a growth of 3.7 % in Production of petroleum products in Apr August FY 2023 – 24 as compared to same period of FY 2022 – 23. Out of total POL production, in August 2023, HSD has 41.3 %, MS has 16.7 %, Naphtha has 6.8 %, ATF has 6.5 %, Pet Coke has 5.4 % LPG has 4.3 % which are of major products and rest are shared by Bitumen, FO/LSHS, LDO, Lubes & others.
- Crude oil imports increased by 6.2% and decreased by 0.6% during August 2023 and April-August 2023 respectively as compared to the corresponding period of the previous year.
- POL products imports increased by 26.6% and 7.3% during August 2023 and April-August 2023 respectively as compared to the corresponding period of the previous year. The rise in imports of POL products from April to August 2023 was primarily driven by increased imports of bitumen, petcoke and naphtha.
- Exports of POL products increased by 11.2% and decreased by 2.6% during August 2023 and April-August 2023 respectively as compared to the corresponding period of the previous year. The decline in exports of POL products from April to August 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

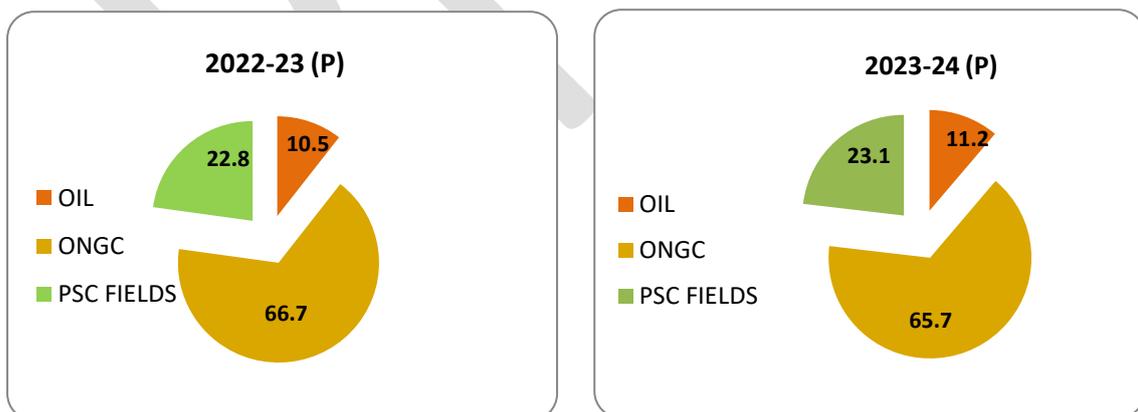
- The percentage share of PSU upstream companies and PSC fields in overall crude oil and condensate production during August 2023 (P) is shown in figure-1 below:

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



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

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



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 August 2023 (P) and April August 2022 (P) is given below

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

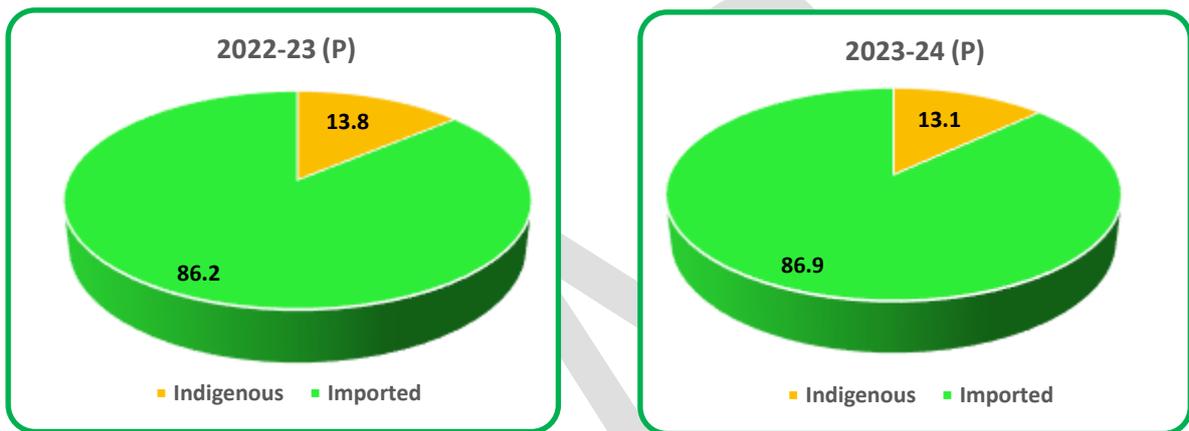
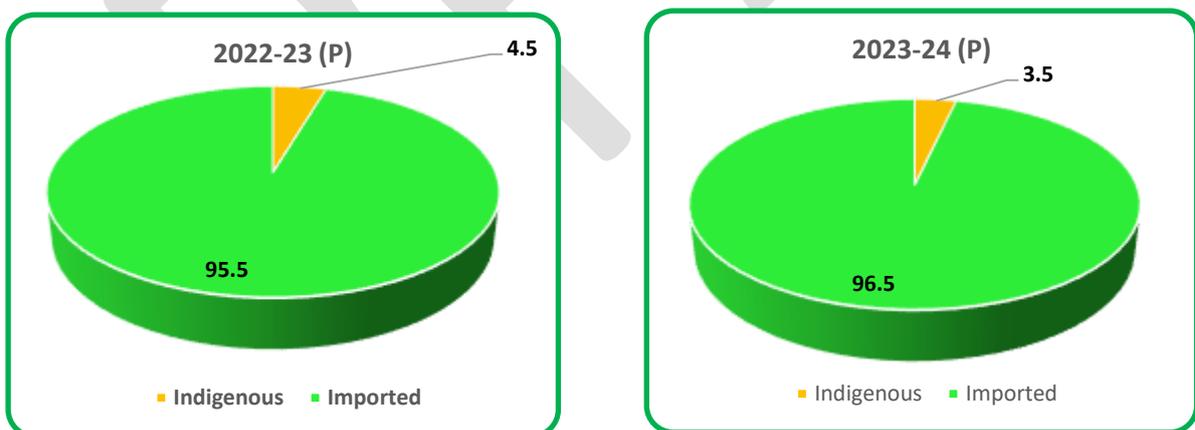


Figure-4; Percentage share of indigenous and imported crude oil processed by Private refineries: April - August



	2022 - 23 (P)	August		April – August	
		2022-23 (P)	2023-24 (P)	2022-23 (P)	2023-24 (P)
					Qty. in MMT
High Sulphur crude (HS)	197.9	15.0	16.7	83.2	85.0
Low Sulphur crude (LS)	57.4	4.5	5.3	23.5	24.5
Total crude processed	255.2	19.5	21.9	106.8	109.5
% Share of HS crude in total crude processed	77.5%	76.7%	76.0%	78.0%	77.6%

4. Production of Petroleum Products

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

Table-2; Production of petroleum products	
(Thousand Metric Tonnes)	
Products	August 2023 ^(P)
LPG	984
Naphtha	1549
MS	3835
ATF	1482
SKO	105
HSD	9478
LDO	79
Lubes	102
FO	1001
LSHS	62
Bitumen	282
RPC(Pet-coke)	1248
Others	2715
Total	22922

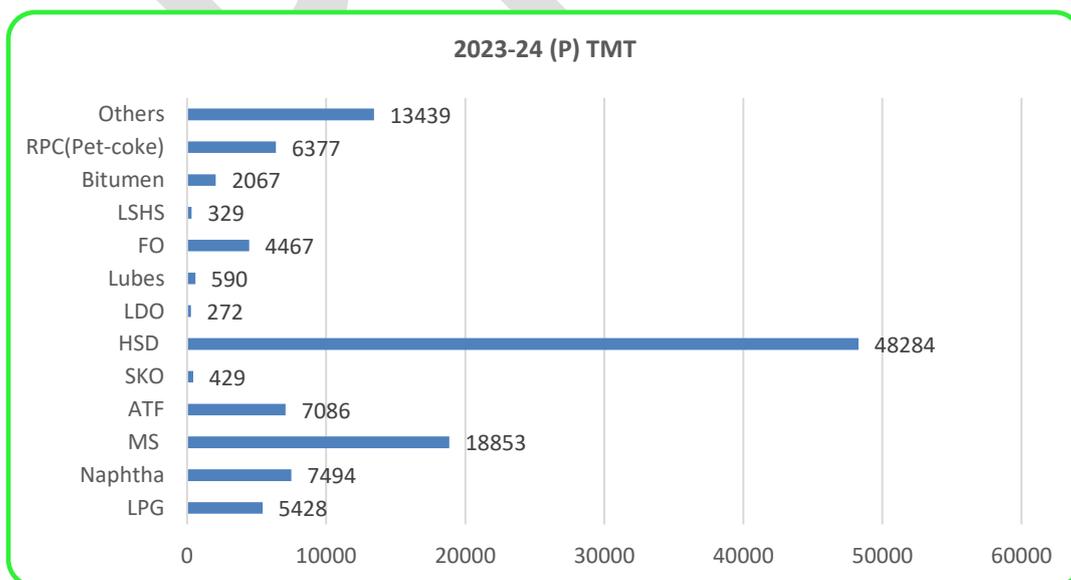
Note: (P): Provisional. Source: Oil Companies

* 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;

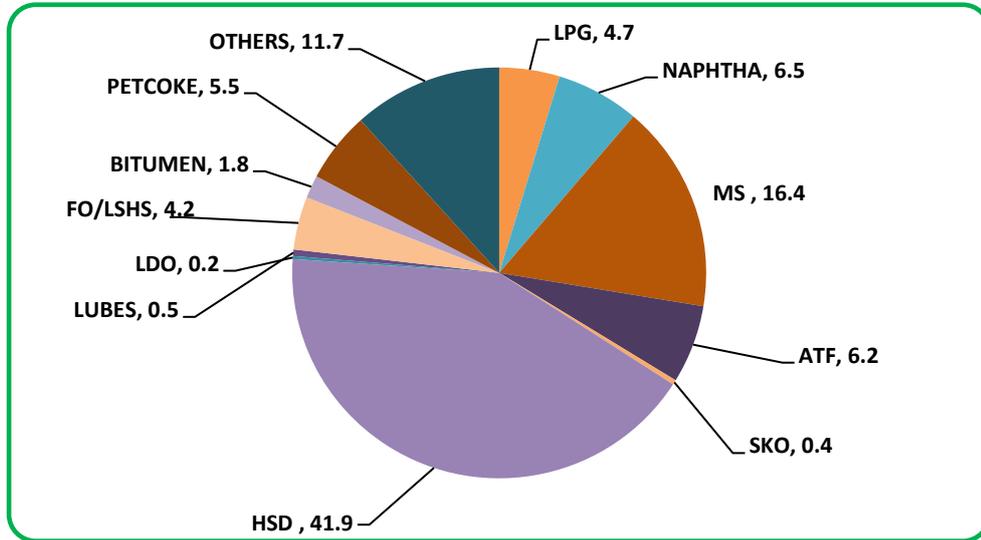
Figure-5; Product wise production of POL products by refineries and fractionators: April August 2023

(P)



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

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



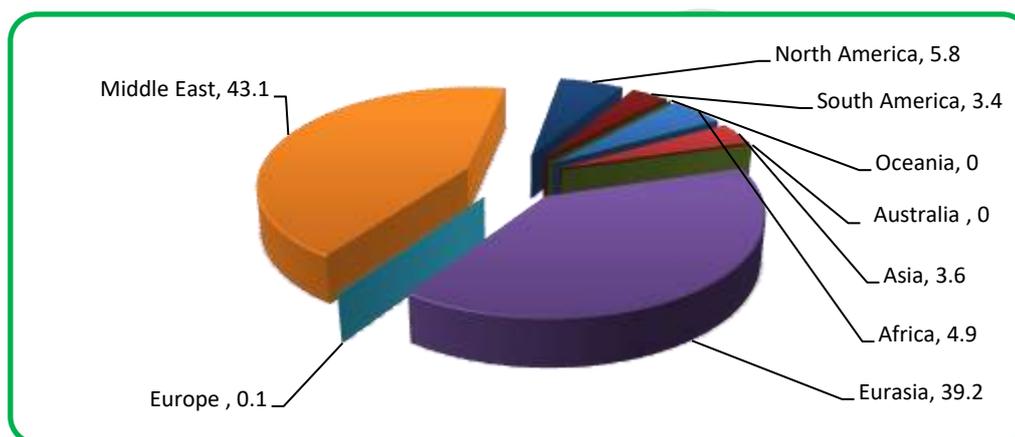
Part B: Import /Export

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	August 2023 ^(P)	April to August 2023-24 ^(P)
Crude Oil	18729	98420

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



- Crude oil imports increased by 6.2% and decreased by 0.6% during August 2023 and April-August 2023 respectively as compared to the corresponding period of the previous year.
- Crude oil imports from OPEC countries decreased to 46.4% of total imports during April-August 2023-24 as compared to 63.3% during April-August 2022-23.

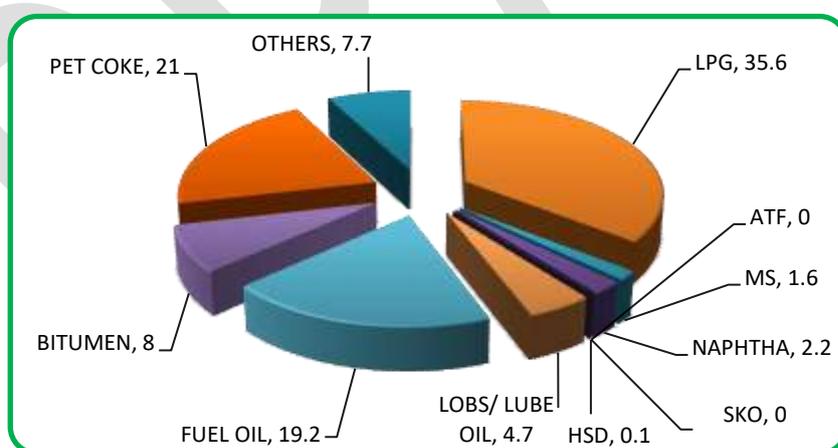
5.b Import Petroleum Products

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

Table-4; Import of Petroleum products		
(Thousand Metric Tonnes)		
Product	August 2023 ^(P)	April to August 2023-24 ^(P)
LPG	1569	6701
MS/ Petrol	149	295
NAPHTHA	37	420
ATF	0	0
SKO	0	0
HSD	5	15
LOBS/LUBE OIL	172	887
FUEL OIL	783	3619
BITUMEN	285	1501
PETCOKE	748	3948
OTHERS [§]	315	1449
TOTAL IMPORTS	4063	18836

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



- Imports made due to deficit in production viz. LPG and Lubes/LOBS accounted for 40.3% share of total POL products import during April-August 2023-24 as compared to 46.9% during April-August 2022-23.
- Import of petcoke accounted for 21.0% of the total POL imports during April-August 2023-24. The entire quantity was imported by private importers.

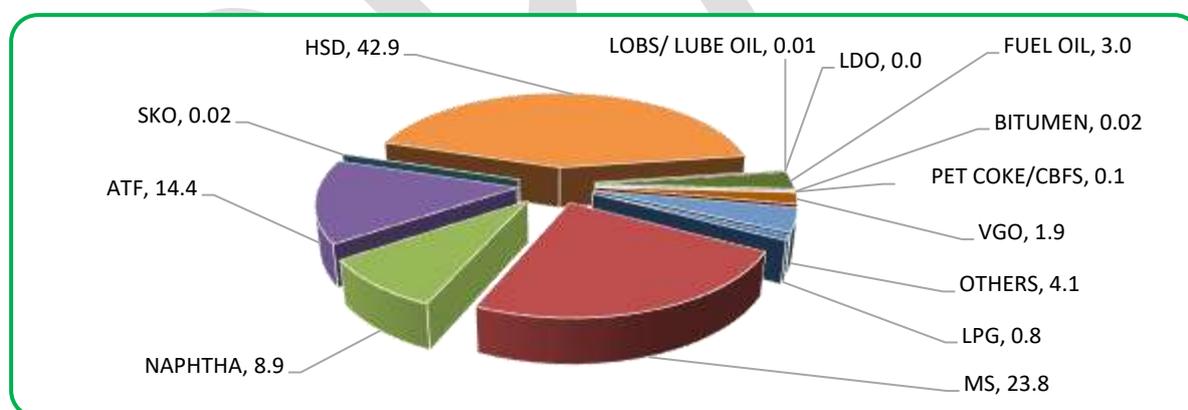
5.c Export of Petroleum Products

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

Table-5 Export of major Petroleum products		
(Thousand Metric Tonnes)		
Product	August 2023 ^(P)	April to August 2023-24 ^(P)
LPG	47	215
MS	1174	6165
Naphtha	417	2304
ATF	900	3713
SKO	1	5
HSD	2479	11098
LDO	0	0.1
LOBS/LUBE OIL	1	1.3
FUEL OIL	383	778
BITUMEN	2	5
PETCOKE	0	28
VGO	227	502
OTHERS [#]	196	1053
TOTAL EXPORT	5826	25869

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 August 2023-24 (P)



- Exports of POL products increased by 11.2% and decreased by 2.6% during August 2023 and April-August 2023 respectively as compared to the corresponding period of the previous year. Decrease in POL products exports during April-August 2023 were mainly due to decrease in exports of high-speed diesel (HSD), naphtha and others.