

MONTHLY REPORT
ON
INDIGENOUS CRUDE OIL PRODUCTION, CRUDE OIL
IMPORT AND PROCESSING
&
PRODUCTION, IMPORT AND EXPORT OF PETROLEUM
PRODUCTS
November 2022



Petroleum Planning & Analysis Cell

(Ministry of Petroleum & Natural Gas)

1. In this monthly report, indigenous crude oil production, crude oil imports and processing and production, imports, and exports of petroleum products by oil companies are analyzed to assess the domestic availability of petroleum products in the country. The analysis is based on the data provided by the oil companies

Highlights

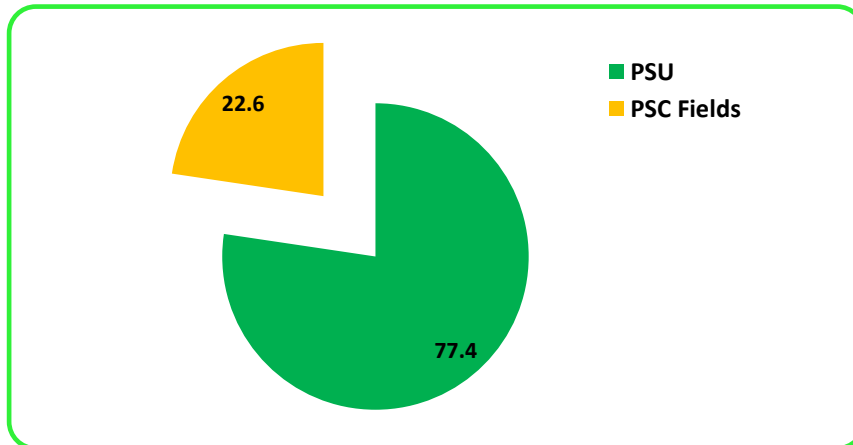
- Indigenous crude oil and condensate production was down by 1.4% and 1.1% during April- November 2022 and November 2022 as compared to corresponding period of the previous year.
- Crude oil processed was increased by 6.8 % during April-November 2022 as compared April-November 2021. A decrease of 8.9% was registered during November 2022 as compared to November 2021.
- Production of petroleum products increase by 5.7% during April-November 2022 as compared to corresponding period of the previous year whereas there is a degrowth of 9.3% during November 2022 as compared to November 2021.
- Crude oil imports increased by 11.6% and 3.1% during April-November 2022 and November 2022 as compared to the corresponding period of the previous year.
- POL products imports increased by 8.6% and 8.9% during April-November 2022 and November 2022 as compared to the corresponding period of the previous year. Increase in POL products imports during April- November 2022 can be attributed to increase in imports of all products except liquified petroleum gas (LPG), aviation turbine fuel (ATF), superior kerosene oil (SKO) and fuel oil (FO) etc.
- Exports of POL products decreased by 0.7% and 18.1% during April- November 2022 and November 2022 respectively as compared to the corresponding period of the previous year. Decrease in POL products exports during April- November 2022 can be attributed to decrease in exports of motor spirit (MS), naphtha, superior kerosene oil (SKO), high speed diesel (HSD), fuel oil (FO) and bitumen etc.

Part A: Production

2. Indigenous crude oil and condensate production

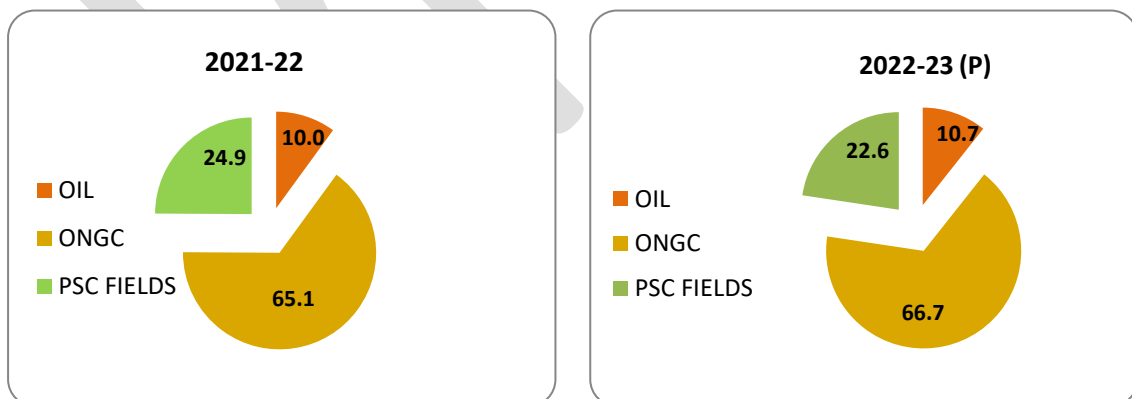
- The percentage share of PSU upstream companies and PSC fields in overall crude oil and condensate production during April – November (P) is shown in figure-1 below:

Figure-1; Percentage share in crude oil and condensate production; April – November 2022 ^(P)



- The comparison of percentage share of ONGC, OIL and PSC fields in total crude oil and condensate production during April – November 2022 and April – November 2021 is shown in figure-2 below:

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



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 – November 2022 and April – November 2021 is given below:

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

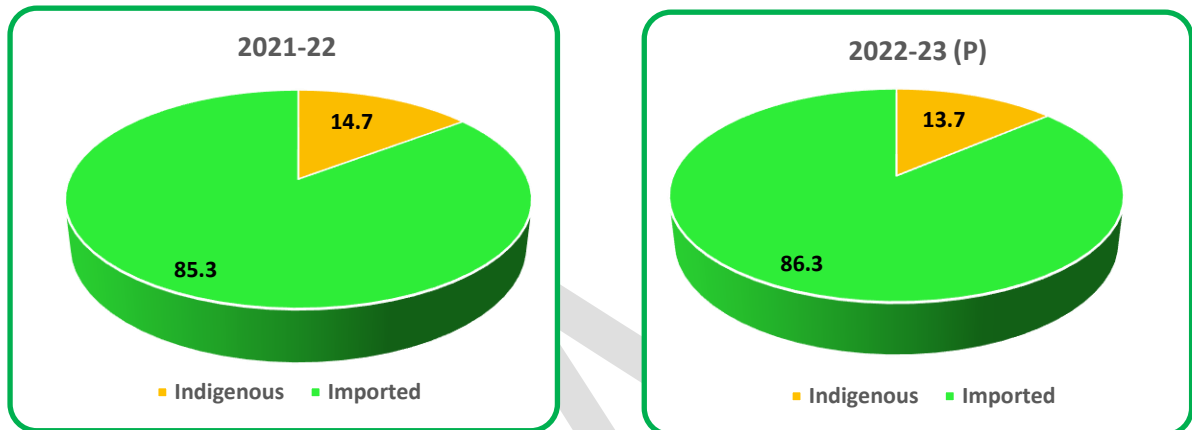
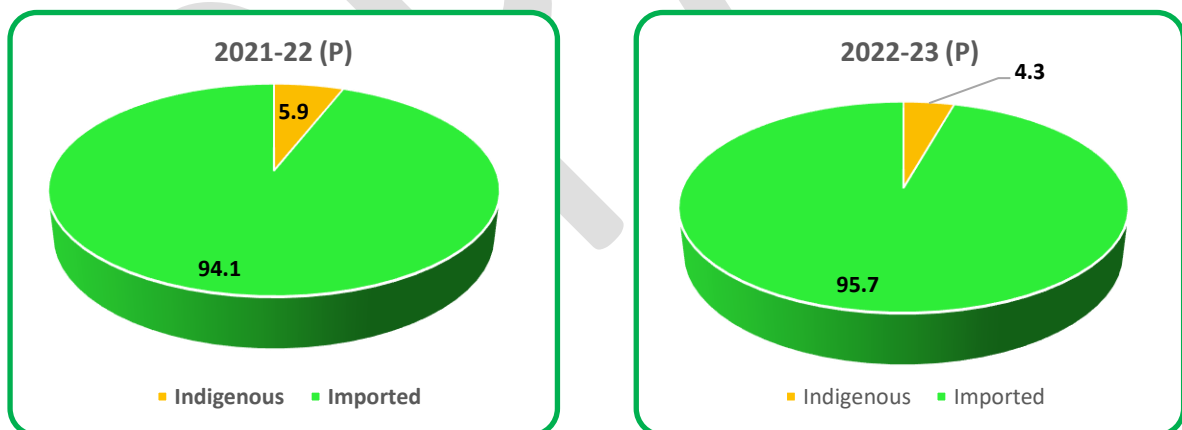


Figure-4; Percentage share of indigenous and imported crude oil processed by Private refineries: April - November



	November		April – November	
	2021-22	2022-23 (P)	2021-22	2022-23 (P)
	Qty. in MMT			
High Sulphur crude (HS)	16.4	15.0	117.7	128.7
Low Sulphur crude (LS)	5.0	4.6	38.0	37.6
Total crude processed	21.5	19.6	155.7	166.3
% Share of HS crude in total crude processed	76.5%	76.4%	75.6%	77.4%

4. Production of Petroleum Products

Details of production of petroleum products by refineries and fractionators during November 2022^(P) are given in Table-2.

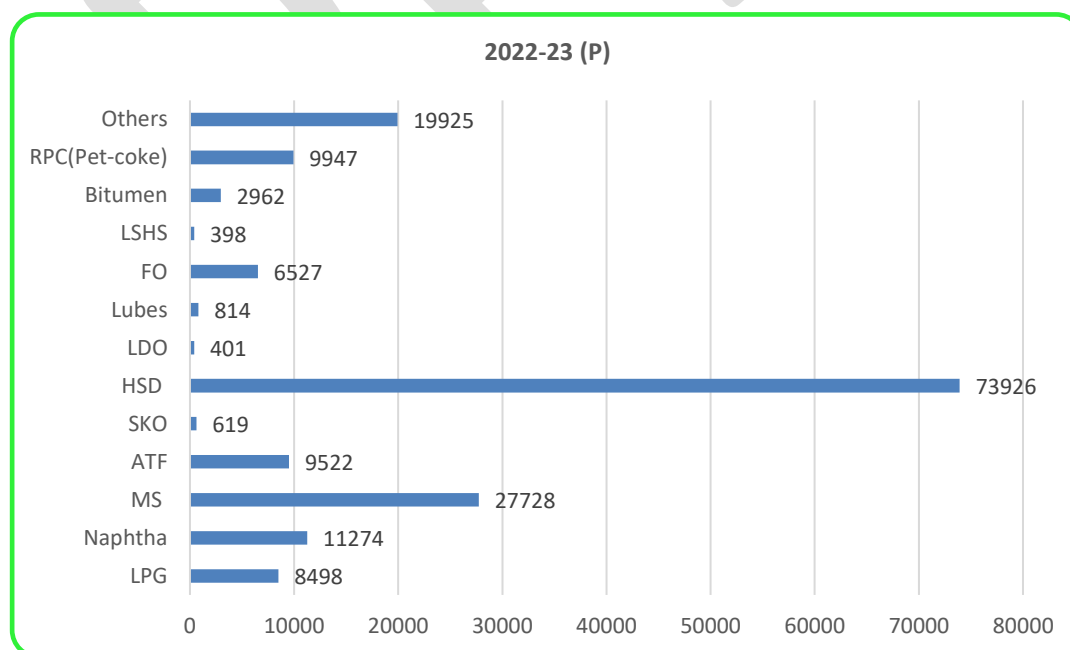
Table-2; Production of petroleum products	
(Thousand Metric Tonnes)	
Products	November 2022 ^(P)
LPG	980
Naphtha	1239
MS	3331
ATF	1184
SKO	67
HSD	8449
LDO	57
Lubes	116
FO	694
LSHS	55
Bitumen	440
RPC(Pet-coke)	1060
Others	2589
Total	20262

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.

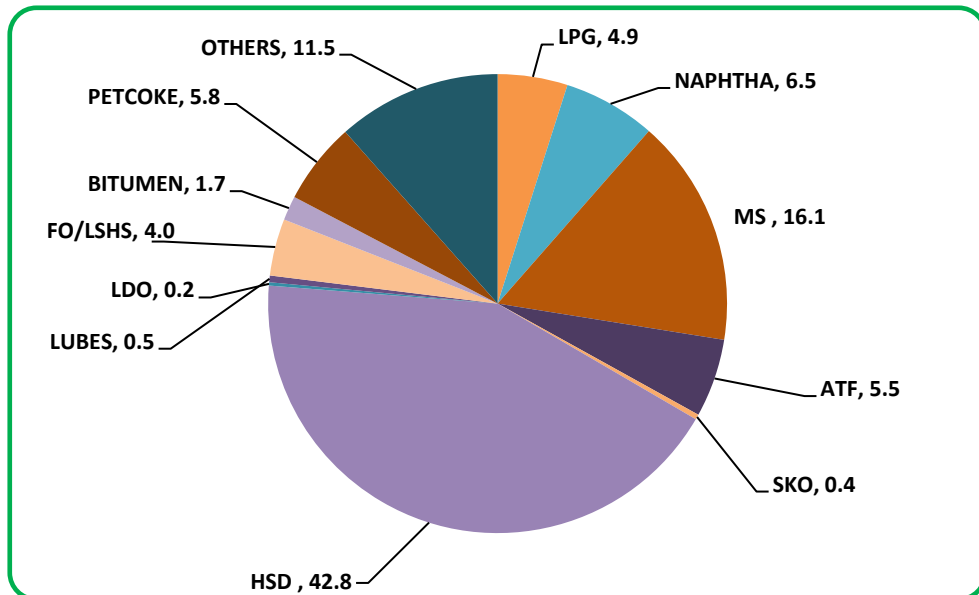
LPG: Liquefied petroleum gas, MS: Motor spirit, ATF: Aviation turbine fuel; SKO: Superior kerosene oil, HSD: High speed diesel;

Figure-5; Product wise production of POL products by refineries and fractionators: April – November 2022^(P)



The percentage share of various products in total POL production during April – November 2022 is shown below:

Figure-6; Percentage share of products in total POL production: April – November 2022 ^(P)



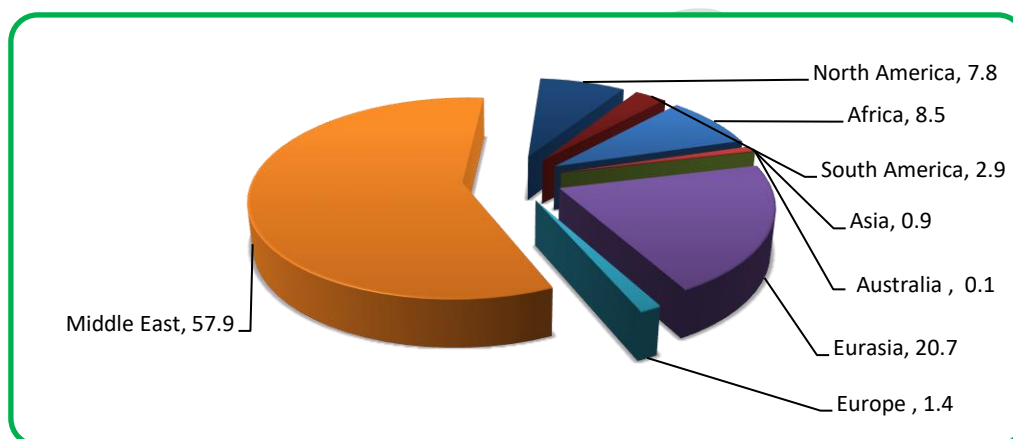
Part B: Import /Export

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	November 2022 ^(P)	April to November 2022 ^(P)
Crude Oil	18904	152772

Figure 7: Region wise percentage share (%) of crude oil during April to November 2022 (P)



- Crude oil imports increased by 3.1% and 11.6% during November 2022 and April-November 2022 as compared to the corresponding period of the previous year.
- Crude oil imports from OPEC countries decreased to 62.5% of total imports during April-November 2022 as compared to 70.9% during April- November 2021.

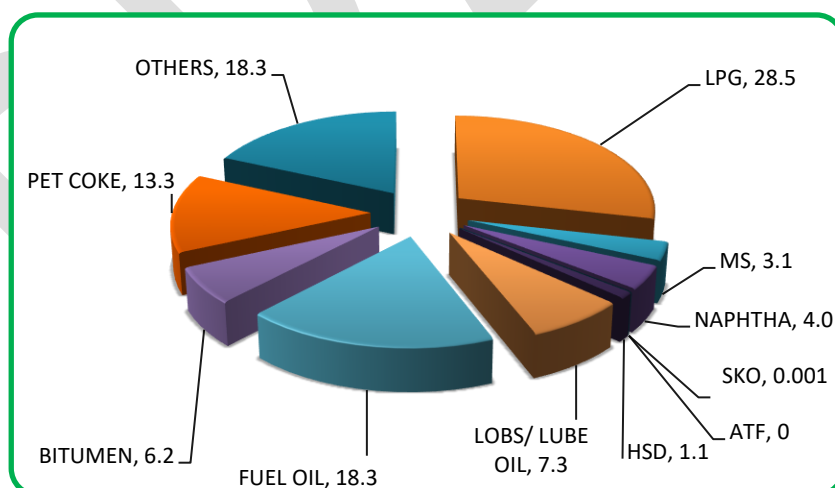
5.b Import Petroleum Products

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

Table-4; Import of Petroleum products		
(Thousand Metric Tonnes)		
Product	November 2022 ^(P)	April to November 2022 ^(P)
LPG	1739	8182
MS/ Petrol	174	889
NAPHTHA	104	1138
ATF	0	0.002
SKO	0.02	0.2
HSD	6	307
LOBS/LUBE OIL	266	2096
FUEL OIL	541	5241
BITUMEN	223	1770
PETCOKE	478	3826
OTHERS [§]	171	5254
TOTAL IMPORTS	3703	28703

Notes: (P): Provisional. Source: Oil Companies & DGCIS
Private imports are prorated for the period April-2022 to November-2022 on the basis of actual data received from DGCIS for the period April-2021 to March-2022
[§] 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 November 2022 (P)



- Imports made due to deficit in production viz. LPG and Lubes/LOBS accounted for 35.8% share of total POL products import during April-November 2022 as compared to 50.8% during April-November 2021.
- Import of petcoke accounted for 13.3% of the total POL imports during April-November 2022. The entire quantity was imported by private importers.

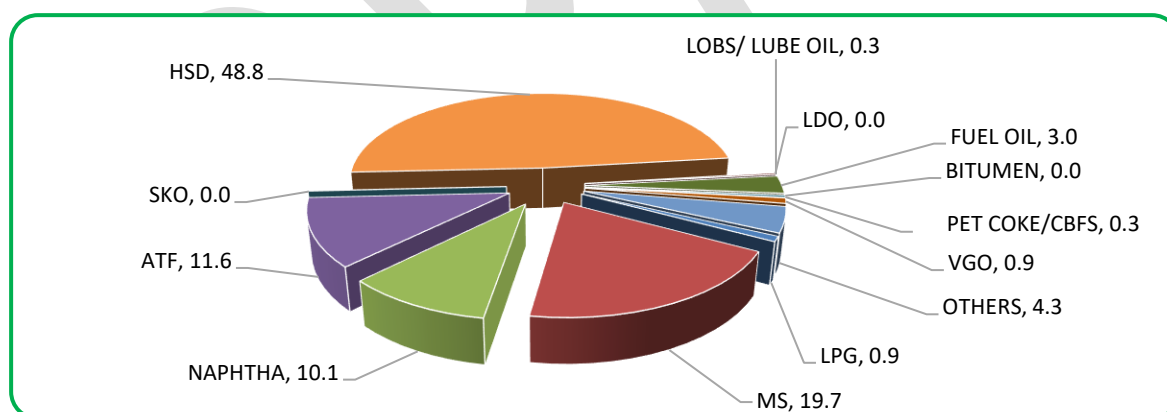
5.c Export of Petroleum Products

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

Table-5 Export of major Petroleum products		
(Thousand Metric Tonnes)		
Product	November 2022 ^(P)	April to November 2022 ^(P)
LPG	41	347
MS	840	7851
Naphtha	423	4013
ATF	591	4635
SKO	1	7
HSD	1967	19459
LDO	0	0
LOBS/LUBE OIL	16.3	102
FUEL OIL	159	1197
BITUMEN	0.1	5
PETCOKE	0	139
VGO	84	354
OTHERS [#]	129	1729
TOTAL EXPORT	4252	39838

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 November 2022 (P)



- Exports of POL products decreased by 18.1% and 0.7% during November 2022 and April- November 2022 respectively as compared to the corresponding period of the previous year. Decrease in POL products exports during April- November 2022 were due to decrease in exports of motor spirit (MS), naphtha, superior kerosene oil (SKO), high speed diesel (HSD), fuel oil (FO) and bitumen etc.