

**MONTHLY REPORT ON INDIGENOUS CRUDE OIL
PRODUCTION, IMPORT AND PROCESSING**

&

**PRODUCTION, IMPORT AND EXPORT OF PETROLEUM
PRODUCTS**

September 2022



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

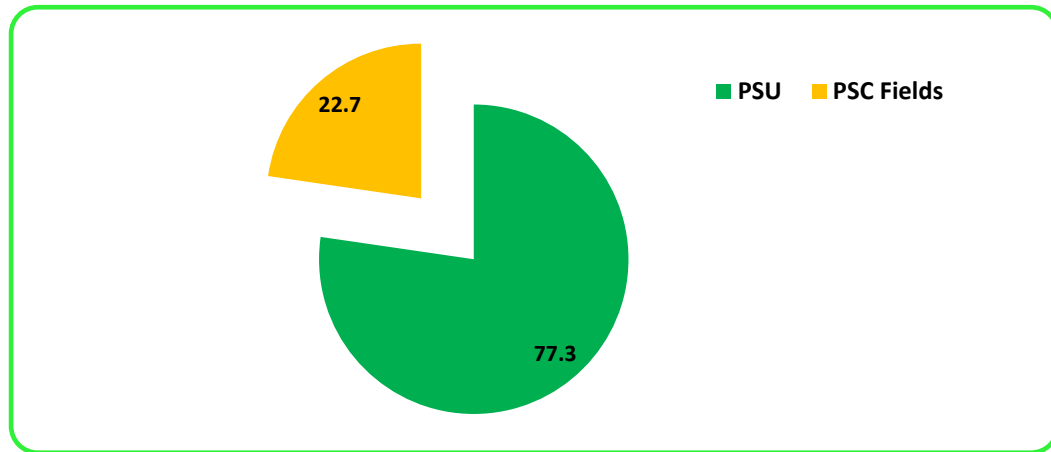
- Indigenous crude oil and condensate production during September 2022 and April – September 2022 was lower by 2.3 % and 1.3 % respectively as compared to the corresponding period of the previous year.
- Crude oil processed during September 2022 was 19.5 MMT, which was 7.3 % higher than September 2021. On cumulative basis total crude oil processed was 126.3 MMT which was higher by 11.5 % during April – September 2022 as compared to April – September 2021.
- Production of petroleum products saw a growth of 6.6 % and 10.1 % during September 2022 and April – September 2022 respectively over the corresponding period of the previous year.
- Crude oil imports decreased by 5.8% and increased by 14% during September 2022 and April- September 2022 as compared to the corresponding period of the previous year.
- POL products imports decreased by 1% and increased by 11.3% during September 2022 and April- September 2022 as compared to the corresponding period of the previous year. Increase in POL products imports during April- September 2022 were due to increase in imports of all products except aviation turbine fuel (ATF), superior kerosene oil (SKO) and others etc.
- Exports of POL products increased by 0.8% and 6.4% during September 2022 and April- September 2022 respectively as compared to the corresponding period of the previous year. Increase in POL products exports during April- September 2022 were due to increase in exports of all products except superior kerosene oil (SKO), fuel oil (FO), naphtha and bitumen etc.

Part A: Production

2. Indigenous crude oil and condensate production

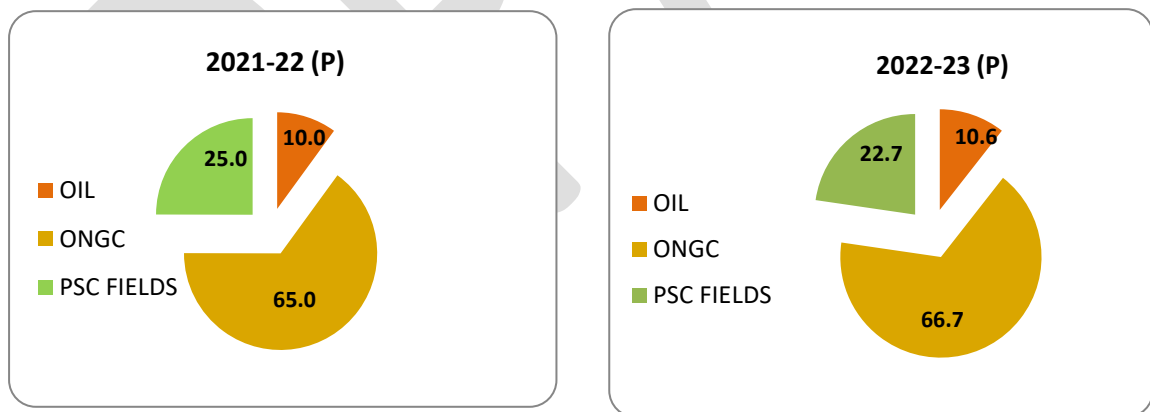
- The percentage share of PSU upstream companies and PSC fields in overall crude oil and condensate production during April – September (P) is shown in figure-1 below:

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



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

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



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

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

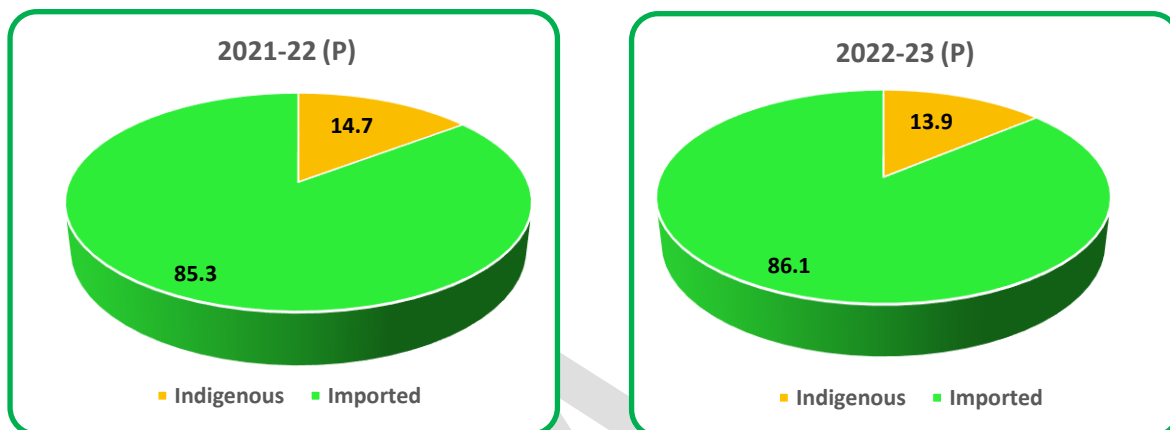


Figure-4; Percentage share of indigenous and imported crude oil processed by Private refineries: April - September

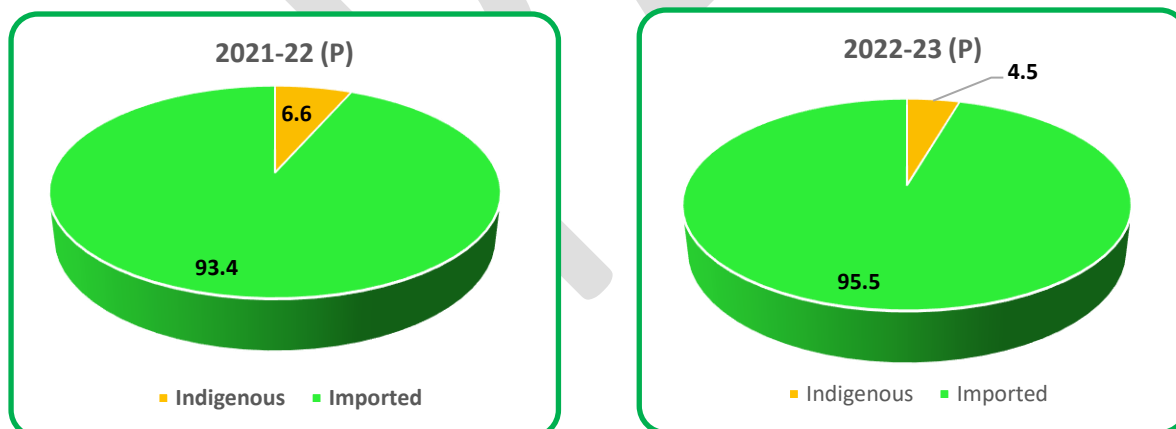


Table-1; High Sulphur crude oil processed as percentage of total crude oil processed

	September		April – September	
	2021-22 (P)	2022-23 (P)	2021-22 (P)	2022-23 (P)
	Qty. in MMT			
High Sulphur crude (HS)	13.9	15.1	85.2	98.3
Low Sulphur crude (LS)	4.4	4.5	28.1	28.0
Total crude processed	18.2	19.5	113.3	126.3
% Share of HS crude in total crude processed	76.0%	77.0%	75.2%	77.8%

4. Production of Petroleum Products

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

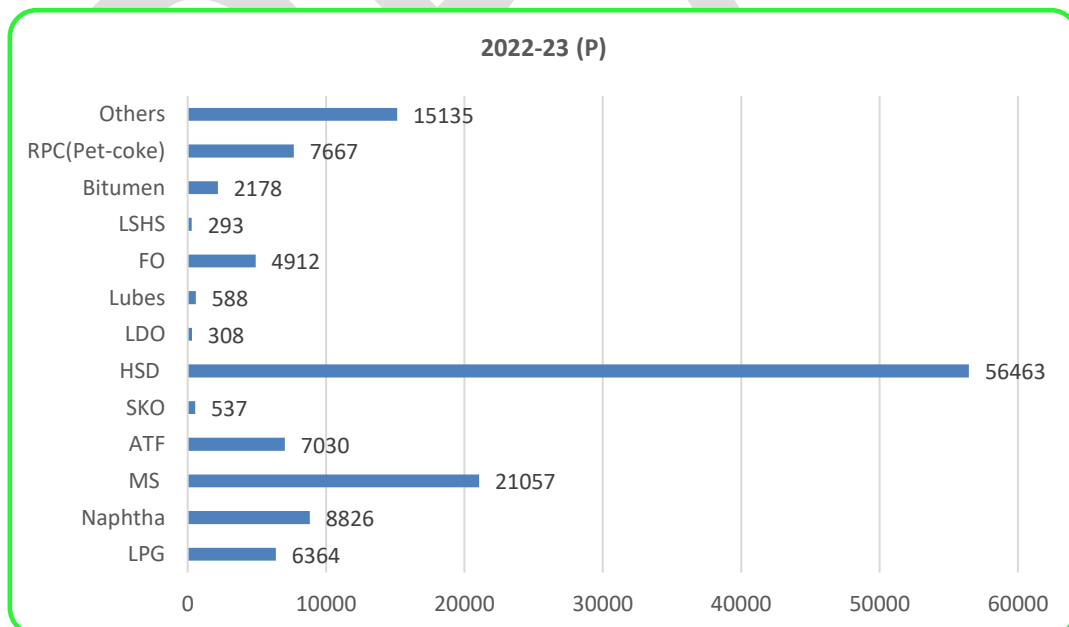
Table-2; Production of petroleum products	
(Thousand Metric Tonnes)	
Products	September 2022 ^(P)
LPG	1044
Naphtha	1361
MS	3109
ATF	1300
SKO	69
HSD	8792
LDO	50
Lubes	108
FO	815
LSHS	31
Bitumen	268
RPC(Pet-coke)	1238
Others	2163
Total	20347

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

* Others include products like Propylene, solvents (Hexane, Benzene, Toluene, Xylene and Specialty solvents), Reformat, Mineral Turpentine Oil, Carbon Black Feedstock, Waxes, Sulphur etc.

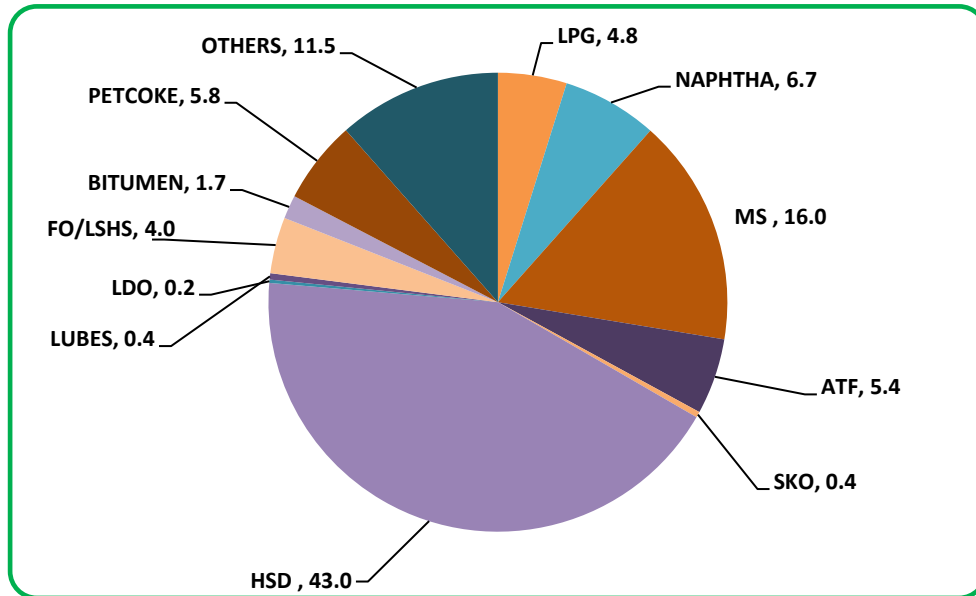
LPG: Liquefied petroleum gas, MS: Motor spirit, ATF: Aviation turbine fuel; SKO: Superior kerosene oil, HSD: High speed diesel;

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



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

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



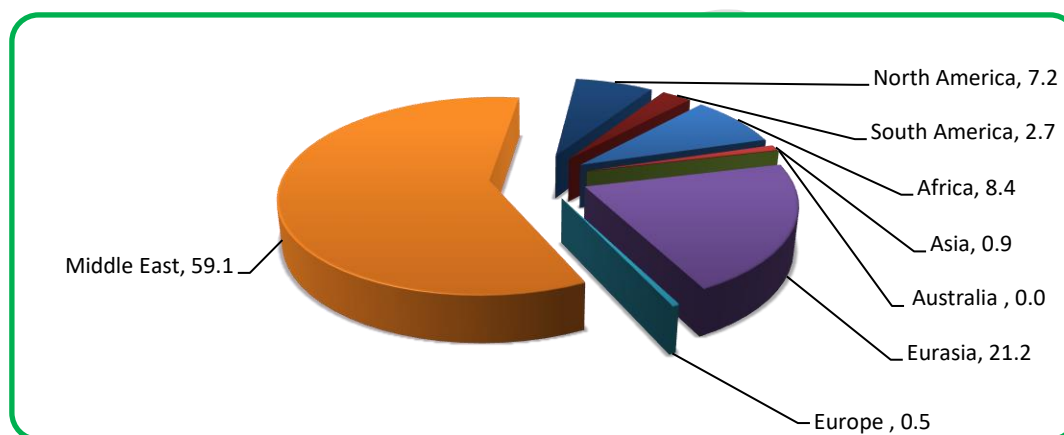
Part B: Import /Export

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	September 2022 ^(P)	April to September 2022 ^(P)
Crude Oil	16458	115431

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



- Crude oil imports decreased by 5.8% and increased by 14% during September 2022 and April- September 2022 as compared to the corresponding period of the previous year.
- Crude oil imports from OPEC countries decreased to 63.1% of total imports during April-September 2022 as compared to 69.8% during April-September 2021.

5.b Import Petroleum Products

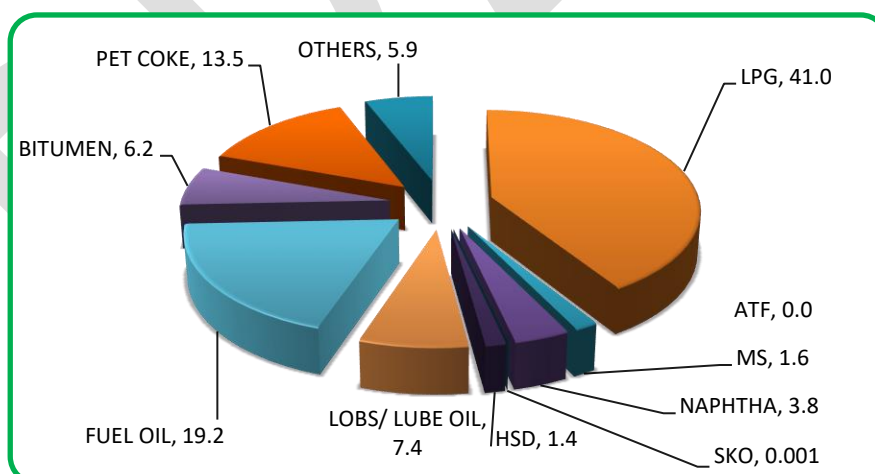
Details of import of petroleum products given in Table-4 below:

Table-4; Import of Petroleum products		
(Thousand Metric Tonnes)		
Product	September 2022 ^(P)	April to September 2022 ^(P)
LPG	1455	8715
MS/ Petrol	152	342
NAPHTHA	175	801
ATF	0	0.002
SKO	0.02	0.14
HSD	6	294
LOBS/LUBE OIL	252	1563
FUEL OIL	561	4068
BITUMEN	227	1324
PETCOKE	478	2869
OTHERS [§]	171	1260
TOTAL IMPORTS	3477	21236

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

§ Others include SKO, Paraffin wax, Petroleum Jelly, Aviation Gas, MTBE, Reformate etc.

Figure 8: Percentage share of petroleum products in imports: April to September 2022 (P)



- Imports made due to deficit in production viz. LPG and Lubes/LOBS accounted for 48.4% share of total POL products import during April- September 2022 as compared to 50.6% during April- September 2021.
- Import of petcoke accounted for 13.5% of the total POL imports during April- September 2022. The entire quantity was imported by private importers.

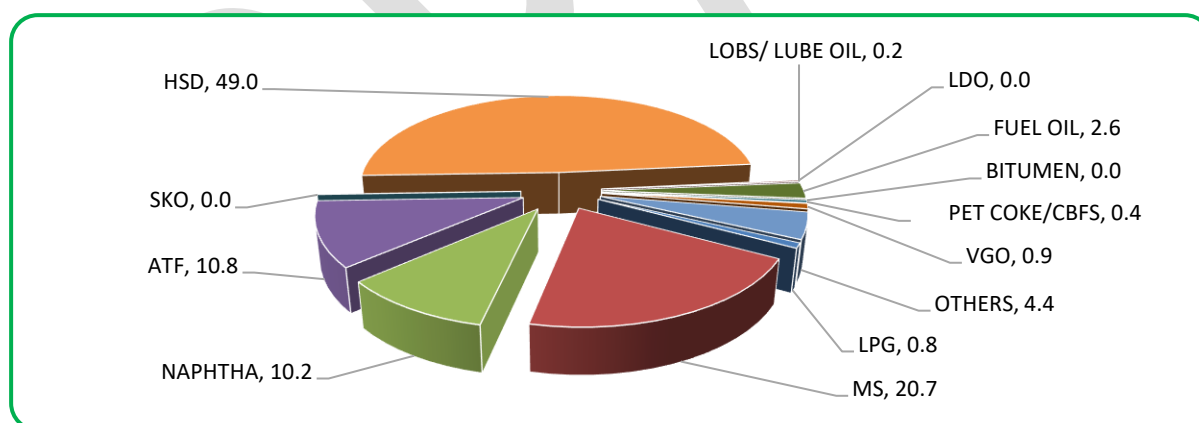
5.c Export of Petroleum Products

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

Table-5 Export of major Petroleum products		
<i>(Thousand Metric Tonnes)</i>		
Product	September 2022 ^(P)	April to September 2022 ^(P)
LPG	40	263
MS	670	6513
Naphtha	468	3218
ATF	689	3405
SKO	0.8	6
HSD	2685	15434
LDO	0	0
LOBS/LUBE OIL	2.3	72
FUEL OIL	156	809
BITUMEN	0	1
PETCOKE	17	139
VGO	194	270
OTHERS [#]	61	1375
TOTAL EXPORT	4981	31504

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 September 2022 (P)



- Exports of POL products increased by 0.8% and 6.4% during September 2022 and April-September 2022 respectively as compared to the corresponding period of the previous year. Increase in POL products exports during April-September 2022 were due to increase in exports of all products except superior kerosene oil (SKO), fuel oil (FO), naphtha and bitumen etc.