

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

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

October 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

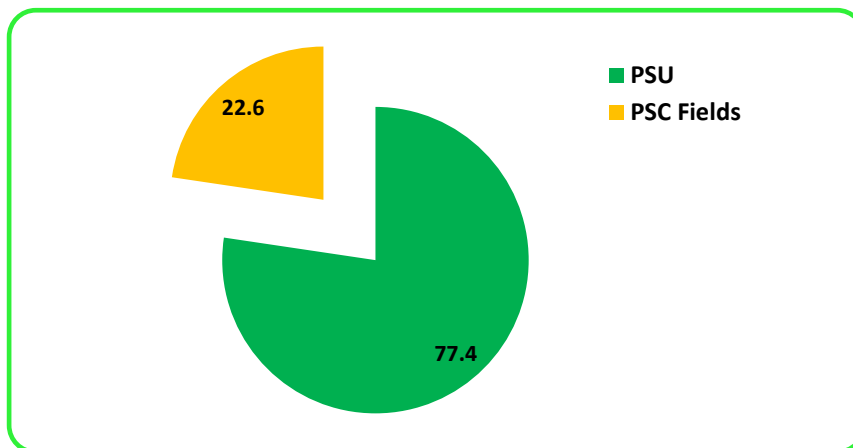
- Indigenous crude oil and condensate production during October 2022 and April – October 2022 was lower by 2.2 % and 1.4 % respectively as compared to the corresponding period of the previous year.
- Crude oil processed during October 2022 was 20.4 MMT, which was 2.6 % lower than October 2021. On cumulative basis total crude oil processed was 146.7 MMT which was higher by 9.3 % during April – October 2022 as compared to April – October 2021.
- Production of petroleum products saw a decline of 3.1 % and growth of 8.1 % during October 2022 and April – October 2022 respectively over the corresponding period of the previous year.
- Crude oil imports increased by 5.1% and increased by 12.8% during October 2022 and April- October 2022 as compared to the corresponding period of the previous year.
- POL products imports decreased by 6.6% and increased by 8.5% during October 2022 and April-October 2022 as compared to the corresponding period of the previous year. Increase in POL products imports during April-October 2022 were due to increase in imports of all products except aviation turbine fuel (ATF), superior kerosene oil (SKO), fuel oil (FO) and others etc.
- Exports of POL products decreased by 23.1% and increased by 1.9% during October 2022 and April-October 2022 respectively as compared to the corresponding period of the previous year. Increase in POL products exports during April-October 2022 were due to increase in exports of liquified petroleum gas (LPG), aviation turbine fuel (ATF), LOBS/lube oil, petcoke/CBFS, vacuum gas oil (VGO) and others etc.

Part A: Production

2. Indigenous crude oil and condensate production

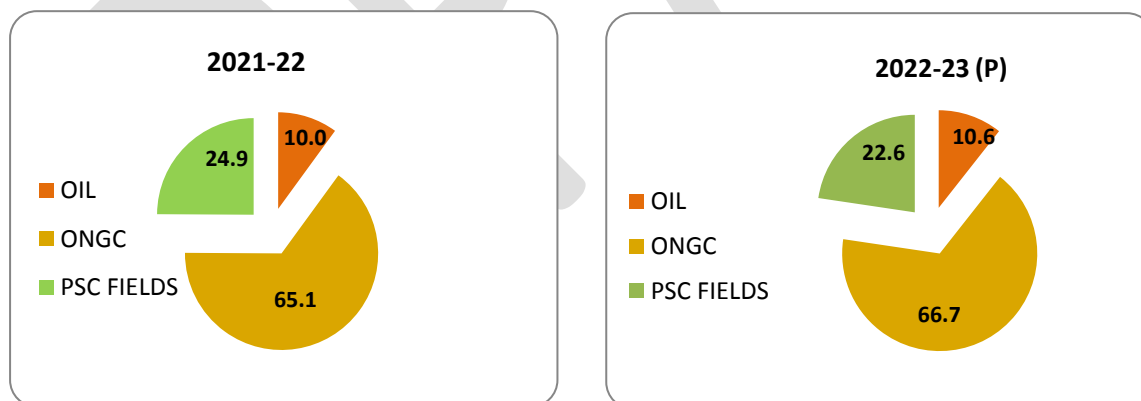
- The percentage share of PSU upstream companies and PSC fields in overall crude oil and condensate production during April – October (P) is shown in figure-1 below:

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



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

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



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

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

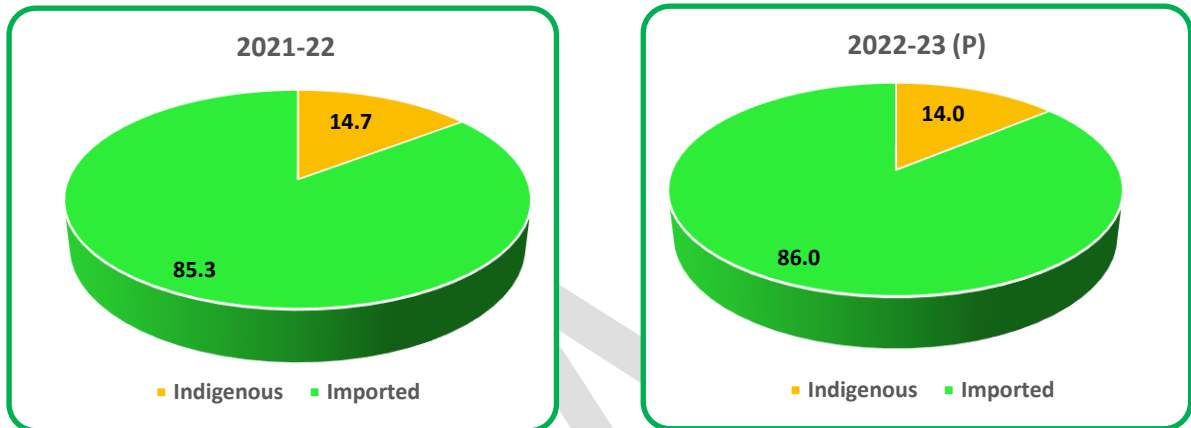


Figure-4; Percentage share of indigenous and imported crude oil processed by Private refineries: April - October

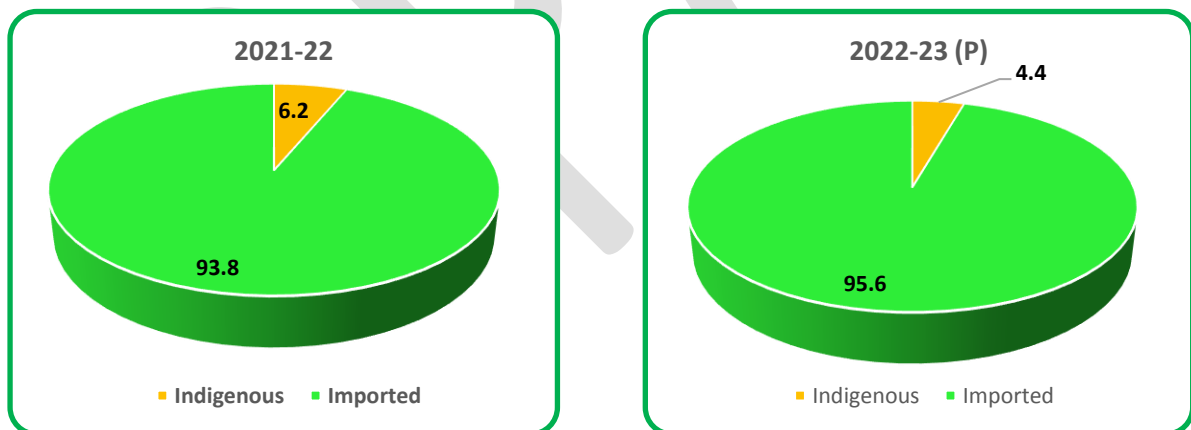


Table-1; High Sulphur crude oil processed as percentage of total crude oil processed

	October		April – October	
	2021-22	2022-23 (P)	2021-22	2022-23 (P)
	Qty. in MMT			
High Sulphur crude (HS)	16.1	15.4	101.2	113.7
Low Sulphur crude (LS)	4.9	5.0	33.0	33.0
Total crude processed	21.0	20.4	134.2	146.7
% Share of HS crude in total crude processed	76.8%	75.7%	75.4%	77.5%

4. Production of Petroleum Products

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

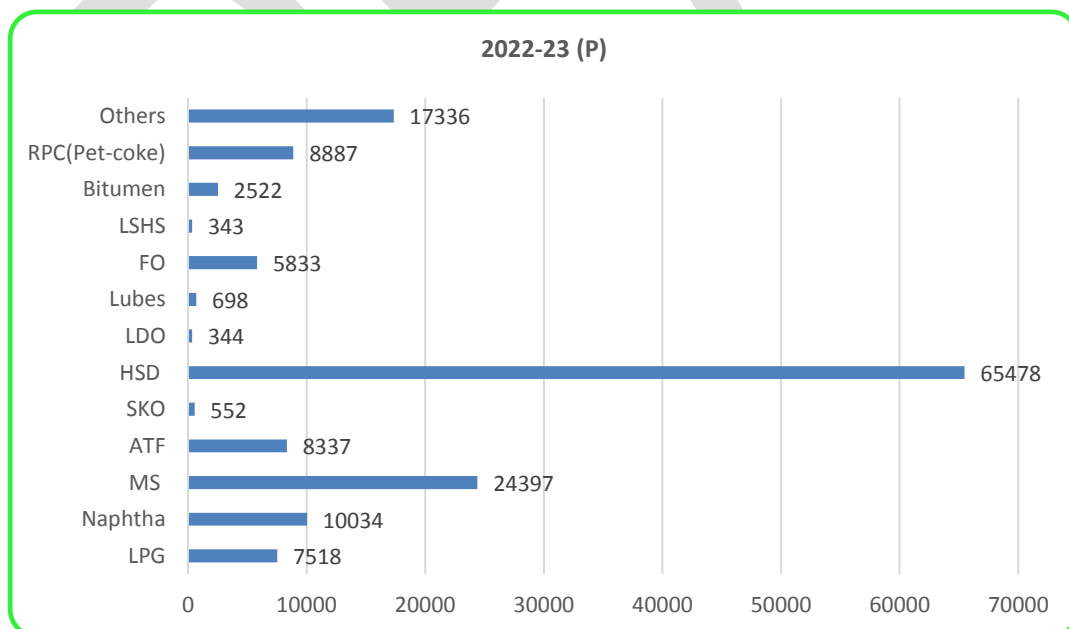
Table-2; Production of petroleum products	
(Thousand Metric Tonnes)	
Products	October 2022 ^(P)
LPG	1154
Naphtha	1208
MS	3340
ATF	1307
SKO	15
HSD	9015
LDO	36
Lubes	110
FO	921
LSHS	50
Bitumen	344
RPC(Pet-coke)	1220
Others	2201
Total	20921

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.

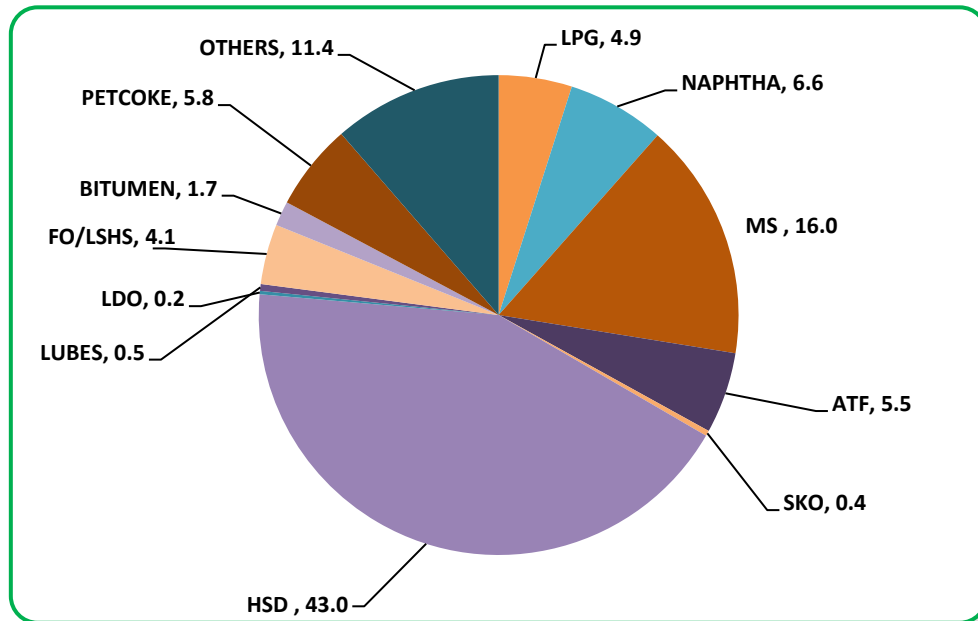
LPG: Liquefied petroleum gas, MS: Motor spirit, ATF: Aviation turbine fuel; SKO: Superior kerosene oil, HSD: High speed diesel;

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



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

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



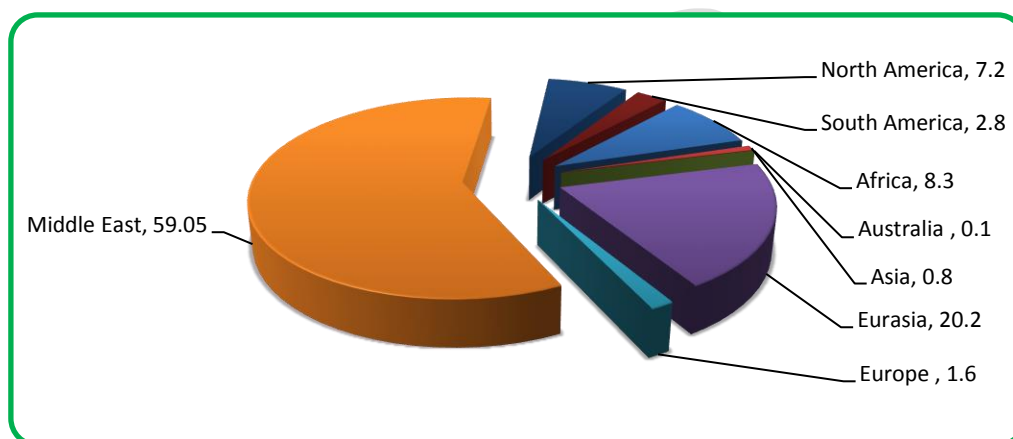
Part B: Import /Export

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	October 2022 ^(P)	April to October 2022 ^(P)
Crude Oil	17947	133692

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



- Crude oil imports increased by 5.1% and increased by 12.8% during October 2022 and April- October 2022 as compared to the corresponding period of the previous year.
- Crude oil imports from OPEC countries decreased to 63.4% of total imports during April-October 2022 as compared to 69.8% during April- October 2021.

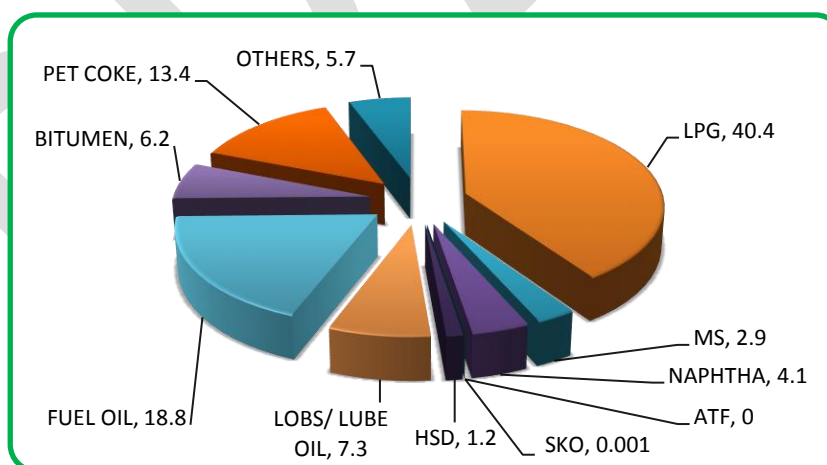
5.b Import Petroleum Products

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

Table-4; Import of Petroleum products		
(Thousand Metric Tonnes)		
Product	October 2022 ^(P)	April to October 2022 ^(P)
LPG	1380	10095
MS/ Petrol	305	715
NAPHTHA	233	1034
ATF	0	0.002
SKO	0.02	0.2
HSD	6	300
LOBS/LUBE OIL	267	1830
FUEL OIL	632	4700
BITUMEN	223	1547
PETCOKE	478	3348
OTHERS [§]	171	1431
TOTAL IMPORTS	3696	25000

Notes: (P): Provisional. Source: Oil Companies & DGCIS
Private imports are prorated for the period April-2022 to October-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 October 2022 (P)



- Imports made due to deficit in production viz. LPG and Lubes/LOBS accounted for 47.7% share of total POL products import during April-October 2022 as compared to 50.3% during April-October 2021.
- Import of petcoke accounted for 13.4% of the total POL imports during April-October 2022. The entire quantity was imported by private importers.

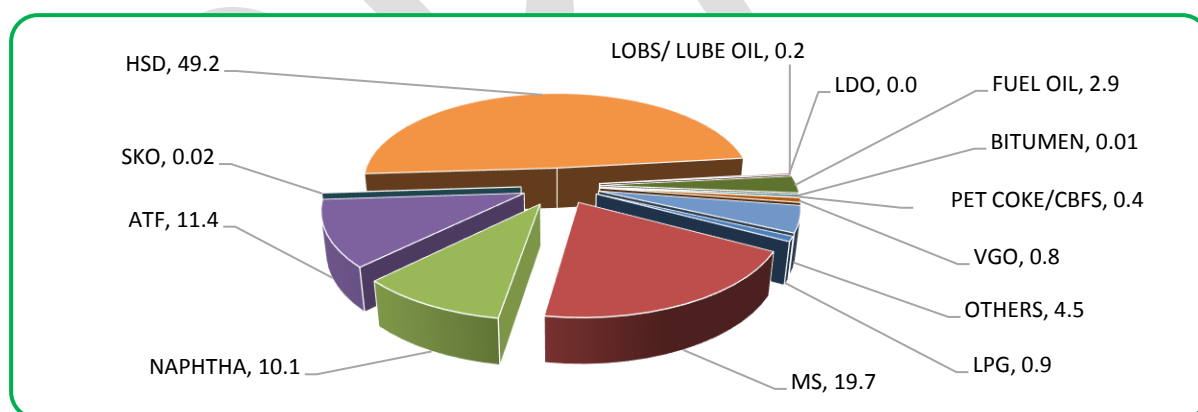
5.c Export of Petroleum Products

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

Table-5 Export of major Petroleum products		
(Thousand Metric Tonnes)		
Product	October 2022 ^(P)	April to October 2022 ^(P)
LPG	43	306
MS	498	7011
Naphtha	372	3590
ATF	639	4044
SKO	1	6
HSD	2058	17491
LDO	0	0
LOBS/LUBE OIL	16	86
FUEL OIL	229	1038
BITUMEN	2	5
PETCOKE	0	139
VGO	0	270
OTHERS [#]	224	1599
TOTAL EXPORT	4082	35586

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 October 2022 (P)



- Exports of POL products decreased by 23.1% and increased by 1.9% during October 2022 and April-October 2022 respectively as compared to the corresponding period of the previous year. Increase in POL products exports during April-October 2022 were due to increase in exports of liquefied petroleum gas (LPG), aviation turbine fuel (ATF), LOBS/lube oil, petcoke/CBFS, vacuum gas oil (VGO) and others etc.