

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

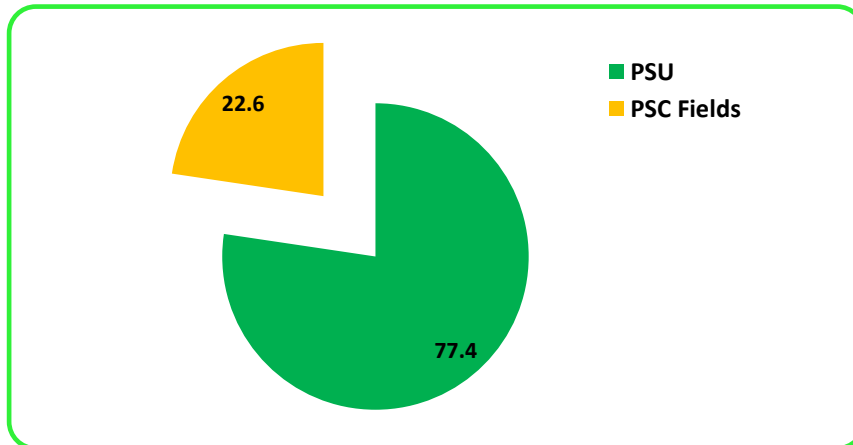
- Indigenous crude oil and condensate production was down by 1.3% and 1.1% during April- December 2022 and December 2022 as compared to corresponding period of the previous year.
- Crude oil processed increased by 6.4 % during April-December 2022 as compared April-December 2021. A growth of 3.7% was registered during December 2022 as compared to December 2021.
- Production of petroleum products increased by 5.4% during April-December 2022 as compared to corresponding period of the previous year, whereas there is a growth of 3.7% during December 2022 as compared to December 2021.
- Crude oil imports decreased by 0.7% and increased by 10.1% during December 2022 and April-December 2022 respectively as compared to the corresponding period of the previous year.
- POL products imports decreased by 6.9% and increased by 6.6% during December 2022 and April-December 2022 respectively as compared to the corresponding period of the previous year. Increase in POL products imports during April-December 2022 was mainly due to increase in imports of all products except aviation turbine fuel (ATF), superior kerosene oil (SKO), LOBS/Lube oil.
- Exports of POL products decreased by 2.4% and 0.8% during December 2022 and April-December 2022 respectively as compared to the corresponding period of the previous year. Decrease in POL products exports during April-December 2022 (P) was mainly due to decrease in exports of high speed diesel (HSD), motor sprit (MS), naphtha, bitumen and superior kerosene oil (SKO) etc.

Part A: Production

2. Indigenous crude oil and condensate production

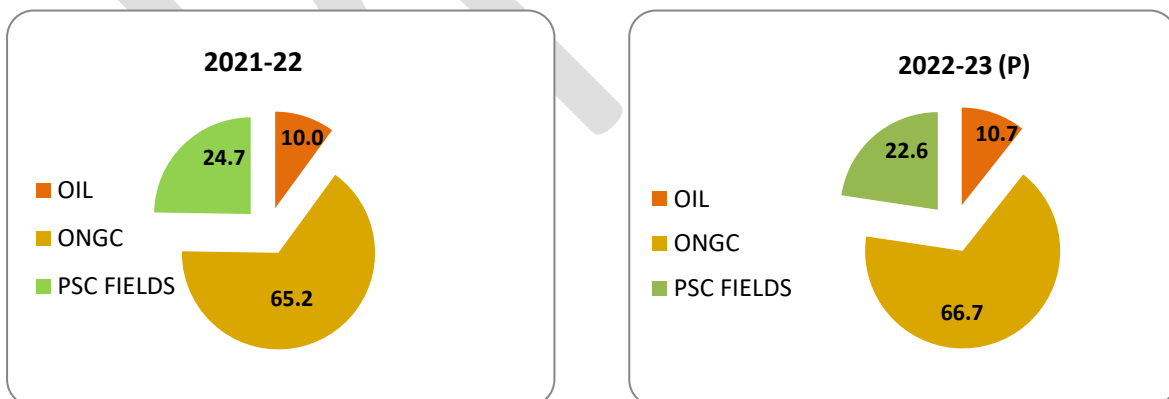
- The percentage share of PSU upstream companies and PSC fields in overall crude oil and condensate production during April – December (P) is shown in figure-1 below:

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



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

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



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

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

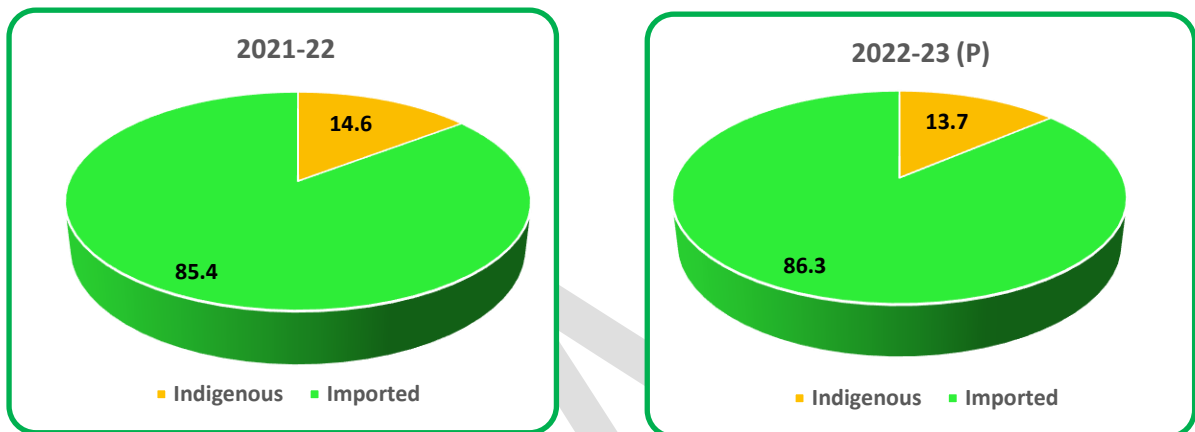


Figure-4; Percentage share of indigenous and imported crude oil processed by Private refineries: April - December

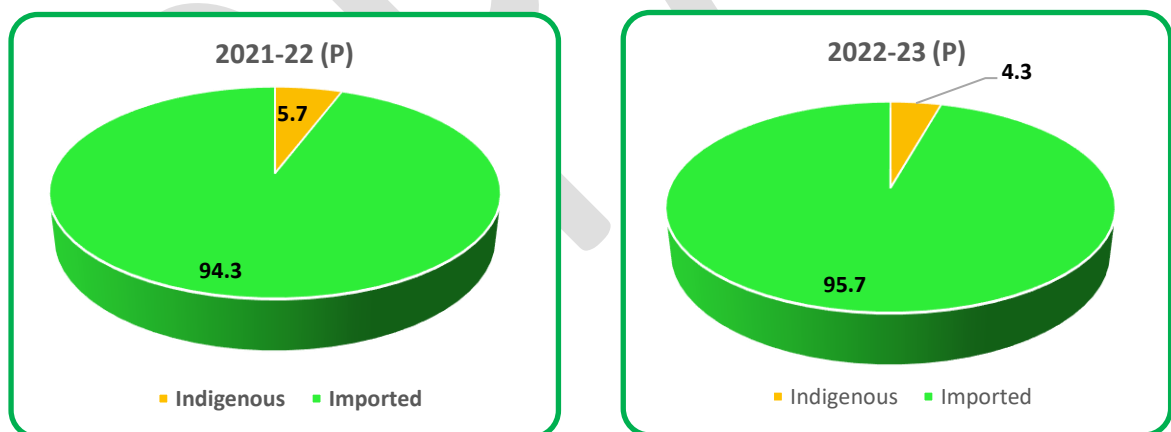


Table-1; High Sulphur crude oil processed as percentage of total crude oil processed				
	December		April – December	
	2021-22	2022-23 (P)	2021-22	2022-23 (P)
	Qty. in MMT			
High Sulphur crude (HS)	17.1	17.0	134.8	145.7
Low Sulphur crude (LS)	4.4	5.2	42.4	42.9
Total crude processed	21.5	22.3	177.2	188.6
% Share of HS crude in total crude processed	79.5%	76.5%	76.1%	77.3%

4. Production of Petroleum Products

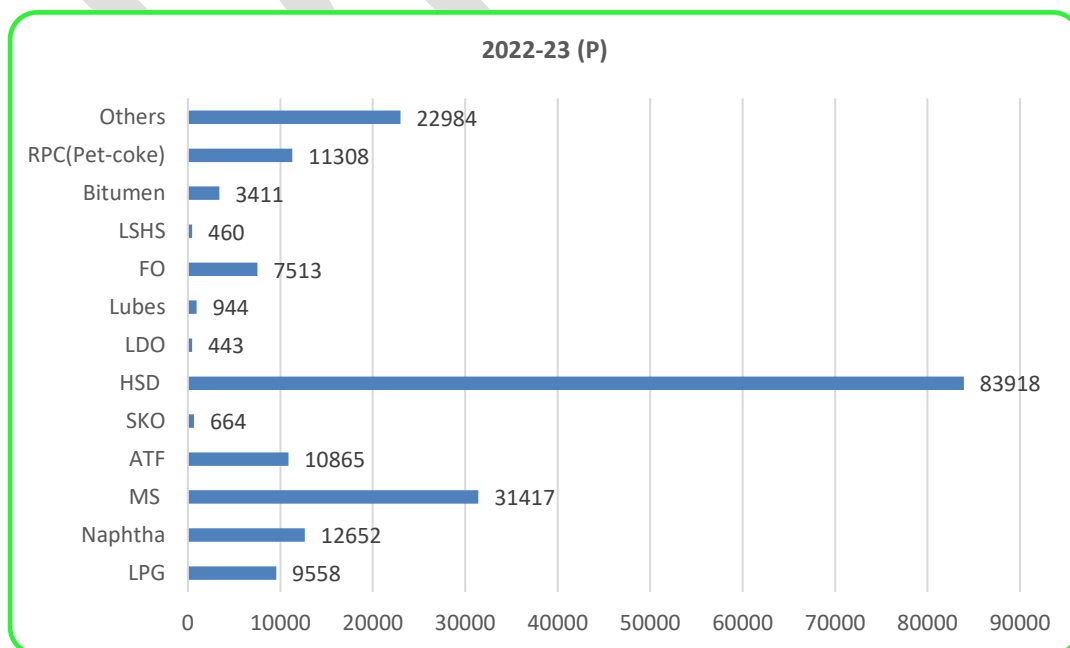
Details of production of petroleum products by refineries and fractionators during December 2022^(P) are given in Table-2.

Table-2; Production of petroleum products	
(Thousand Metric Tonnes)	
Products	December 2022 ^(P)
LPG	1060
Naphtha	1378
MS	3689
ATF	1344
SKO	44
HSD	9992
LDO	42
Lubes	130
FO	832
LSHS	62
Bitumen	449
RPC(Pet-coke)	1361
Others	3213
Total	23595

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;

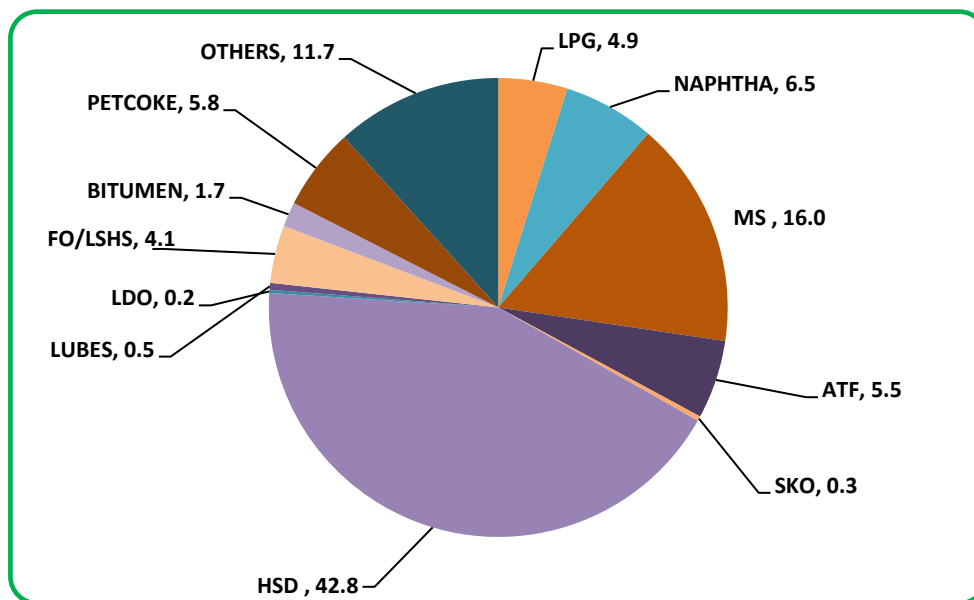
Figure-5; Product wise production of POL products by refineries and fractionators: April – December 2022

(P)



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

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



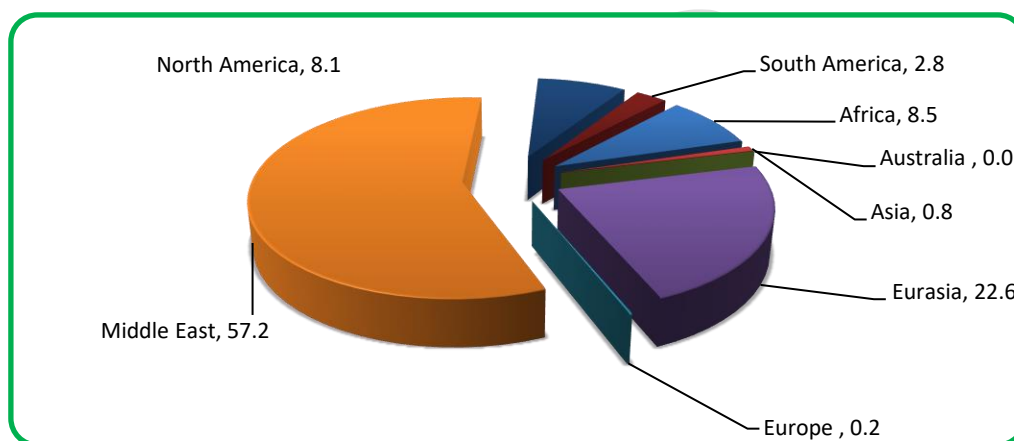
Part B: Import /Export

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	December 2022 ^(P)	April-December 2022 ^(P)
Crude Oil	19518	172390

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



- Crude oil imports decreased by 0.7% and increased by 10.1% during December 2022 and April-December 2022 respectively as compared to the corresponding period of the previous year.
- Crude oil imports from OPEC countries decreased to 61.8% of total imports during April-December 2022 as compared to 71.1% during April- December 2021.

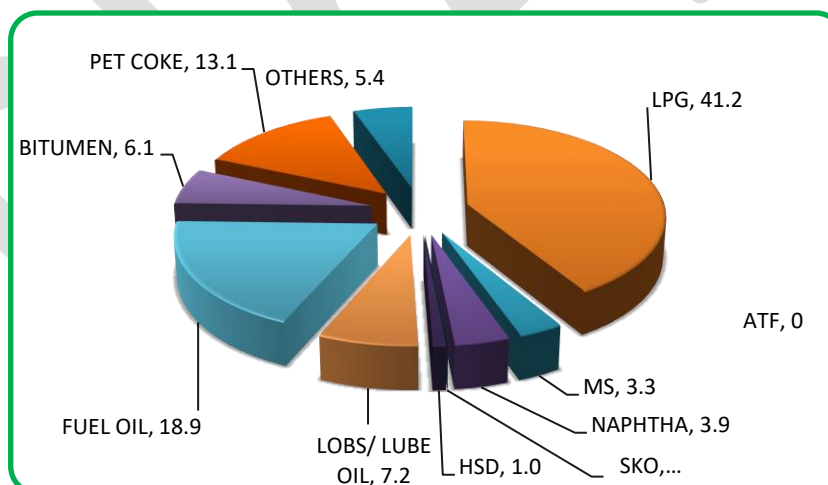
5.b Import Petroleum Products

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

Table-4; Import of Petroleum products		
(Thousand Metric Tonnes)		
Product	December 2022 ^(P)	April-December 2022 ^(P)
LPG	1724	13554
MS/ Petrol	120	1069
NAPHTHA	158	1296
ATF	0	0
SKO	0	0
HSD	6	313
LOBS/LUBE OIL	266	2362
FUEL OIL	963	6204
BITUMEN	228	1998
PETCOKE	478	4304
OTHERS§	171	1773
TOTAL IMPORTS	4115	32873

Notes: (P): Provisional. Source: Oil Companies & DGCIIS
Private imports are prorated for the period April to Dec-2022 on the basis of actual data received from DGCIIS for the period April 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-December 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-December 2022 as compared to 50.0% during April-December 2021.
- Import of petcoke accounted for 13.1% of the total POL imports during April-December 2022. The entire quantity was imported by private importers.

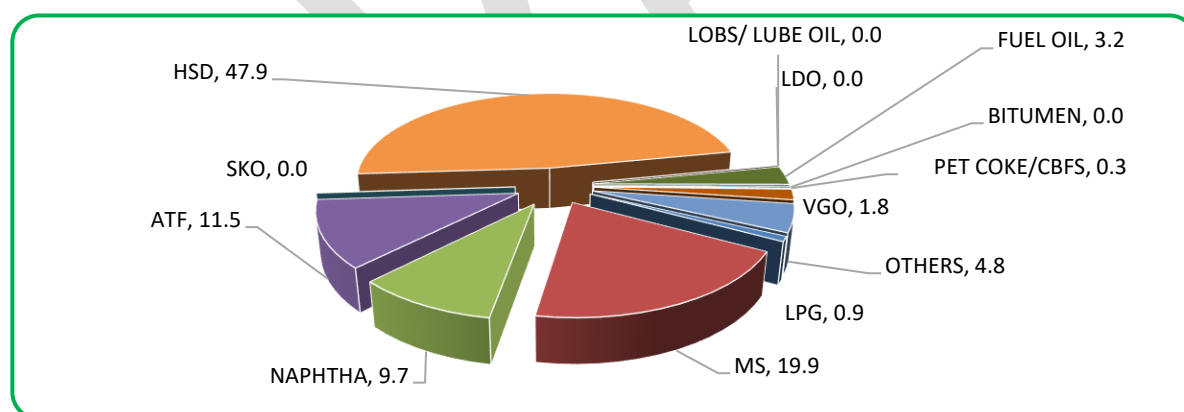
5.c Export of Petroleum Products

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

Table-5 Export of major Petroleum products		
<i>(Thousand Metric Tonnes)</i>		
Product	December 2022 ^(P)	April-December 2022 ^(P)
LPG	44	393
MS	1241	9101
Naphtha	441	4454
ATF	624	5260
SKO	1	9
HSD	2413	21912
LDO	0	1
LOBS/LUBE OIL	1	11
FUEL OIL	248	1445
BITUMEN	0	6
PETCOKE	0	139
VGO	464	818
OTHERS [#]	359	2184
TOTAL EXPORT	5835	45730

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-December 2022 (P)



- Exports of POL products decreased by 2.4% and 0.8% during December 2022 and April-December 2022 respectively as compared to the corresponding period of the previous year. Decrease in POL products exports during April-December 2022 (P) was mainly due to decrease in exports of high speed diesel (HSD), motor spirit (MS), naphtha, bitumen and superior kerosene oil (SKO) etc.