

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

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

August 2021



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

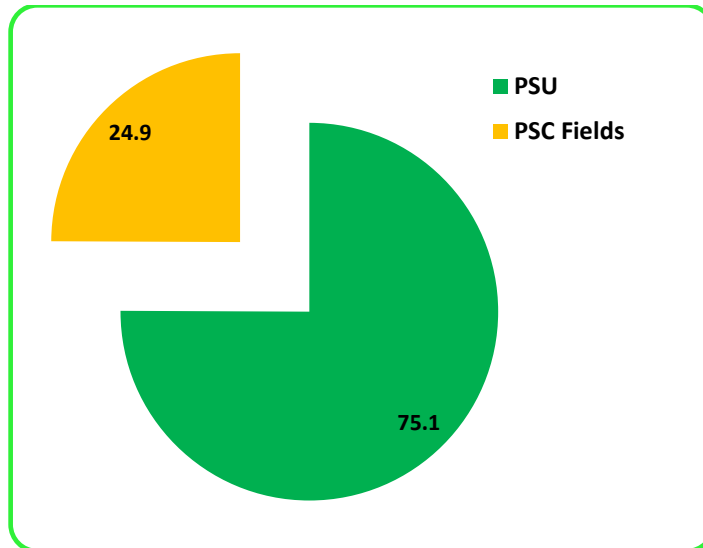
- Indigenous crude oil and condensate production during August 2021 and April – August 2021 was lower by 2.3 % and 3.2 % respectively as compared to the corresponding period of the previous year.
- Crude oil processed during August 2021 was 18.4 MMT, which was 14.2% higher than August 2020. On cumulative basis total crude oil processed was 95.1 MMT which was higher by 15.3 % during April – August 2021 as compared to April – August 2020.
- Production of petroleum products saw a growth of 9.1 % and 12.3 % during August 2021 and April – August 2021 respectively over the corresponding period of the previous year.
- Crude oil imports increased by 3.1% and 13.2% during August 2021 and April-August 2021 respectively as compared to the corresponding period of the previous year.
- POL products imports increased by 16.7% and decreased by 0.7% during August 2021 and April-August 2021 respectively as compared to the corresponding period of the previous year. Decrease in POL products imports during April-August 2021 was due to decrease in imports of petcoke, high speed diesel (HSD), motor sprit (MS) And aviation turbine fuel (ATF).
- Exports of POL products increased by 4.6% and decreased by 0.2% during August 2021 and April-August 2021 respectively as compared to the corresponding period of the previous year. Decrease in POL products exports during April-August 2021 (P) was due to decrease in exports of high speed diesel (HSD), petcoke/CBFS And LOBS/Lube oil.

Part A: Production

2. Indigenous crude oil and condensate production

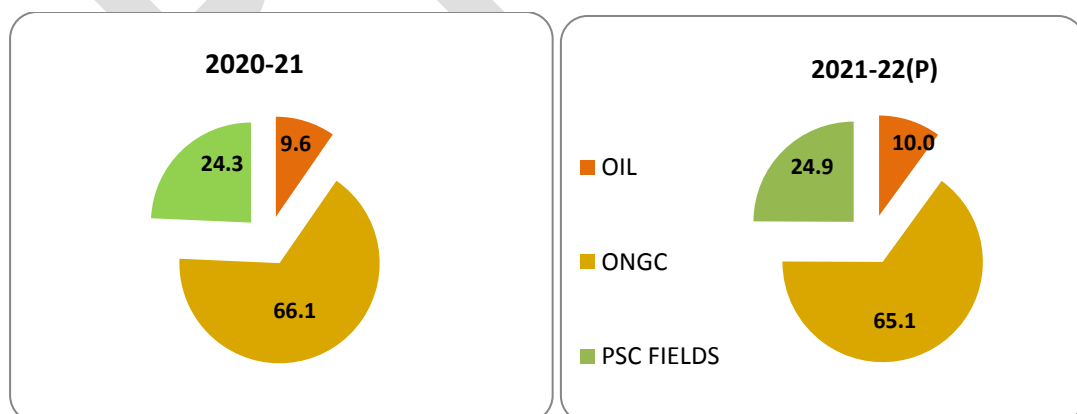
- The percentage share of PSU upstream companies and PSC fields in overall crude oil and condensate production during April – August 2021 ^(P) is shown in figure-1 below:

Figure-1; Percentage share in crude oil and condensate production; April – August 2021 ^(P)



- The comparison of percentage share of ONGC, OIL and PSC fields in total crude oil and condensate production during April – August 2021 and April – August 2020 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 2021 and April – August 2020 is given below:

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

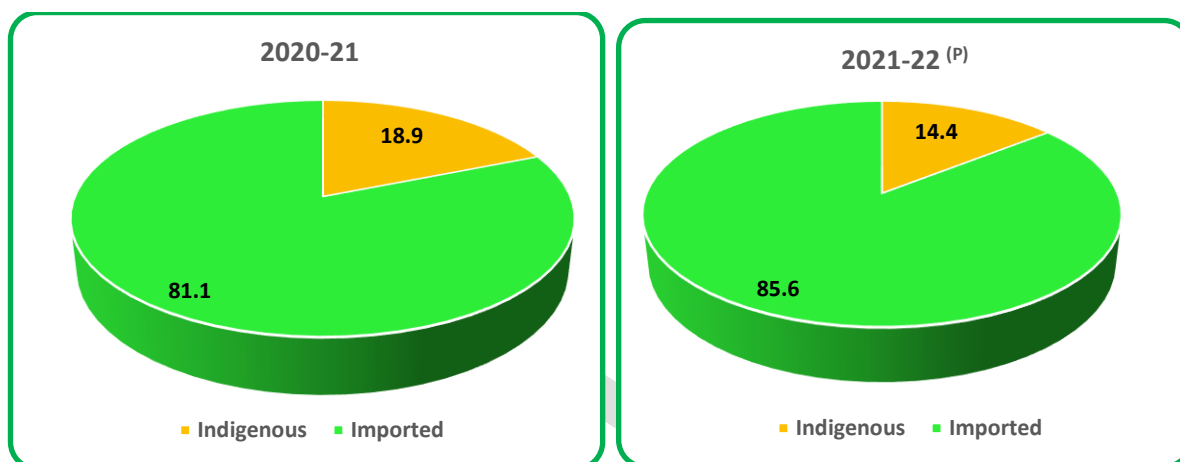


Figure-4; Percentage share of indigenous and imported crude oil processed by Private refineries: April-August

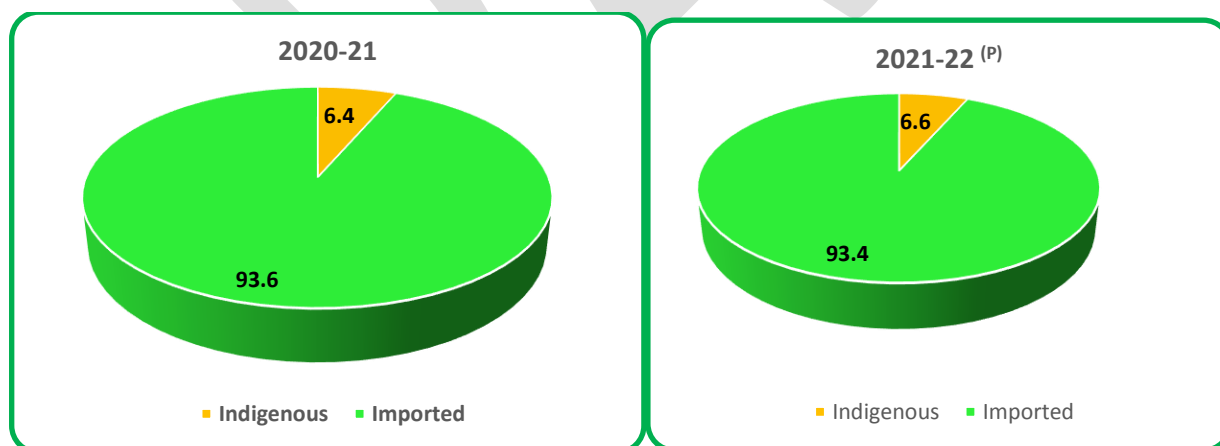


Table-1; High sulphur crude oil processed as percentage of total crude oil processed

	August		April – August	
	2020-21	2021-22 (P)	2020-21	2021-22 (P)
	Qty. in MMT			
High sulphur crude (HS)	11.7	13.9	59.9	71.3
Low sulphur crude (LS)	4.4	4.5	22.5	23.8
Total crude processed	16.1	18.4	82.5	95.1
% share of HS crude in total crude processed	72.5%	75.4%	72.7%	75.0%

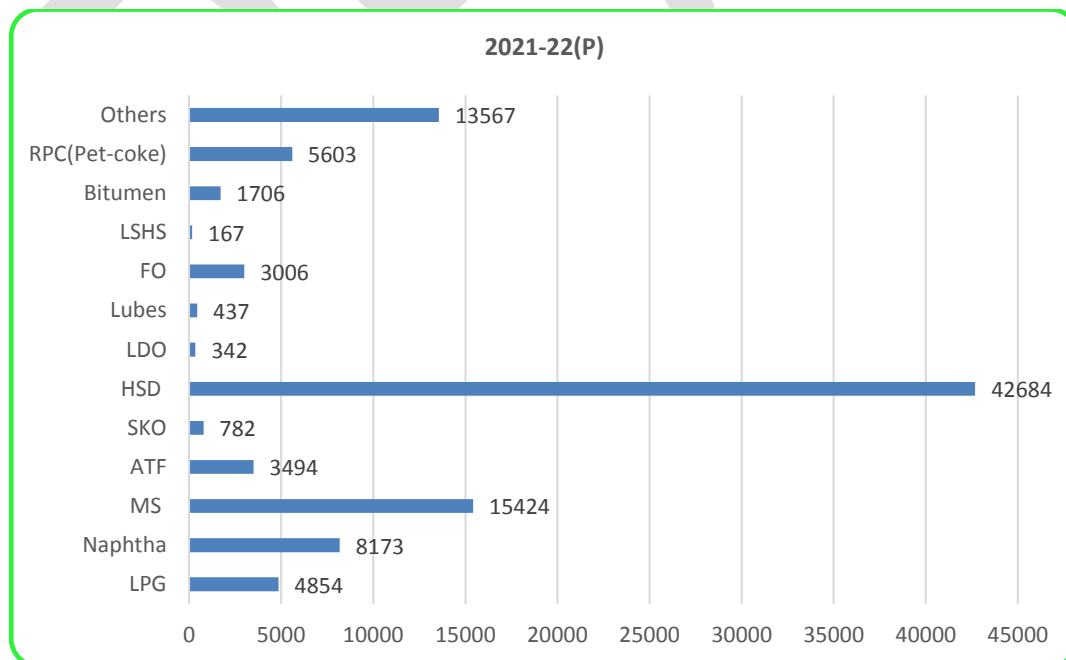
4. Production of Petroleum Products

Details of production of petroleum products by refineries and fractionators during August 2021^(P) are given in Table-2.

Table-2; Production of petroleum products	
(Thousand Metric Tonnes)	
Products	August 2021 ^(P)
LPG	899
Naphtha	1598
MS	3085
ATF	681
SKO	162
HSD	8343
LDO	82
Lubes	96
FO	616
LSHS	32
Bitumen	181
RPC(Pet-coke)	1151
Others	2634
Total	19560

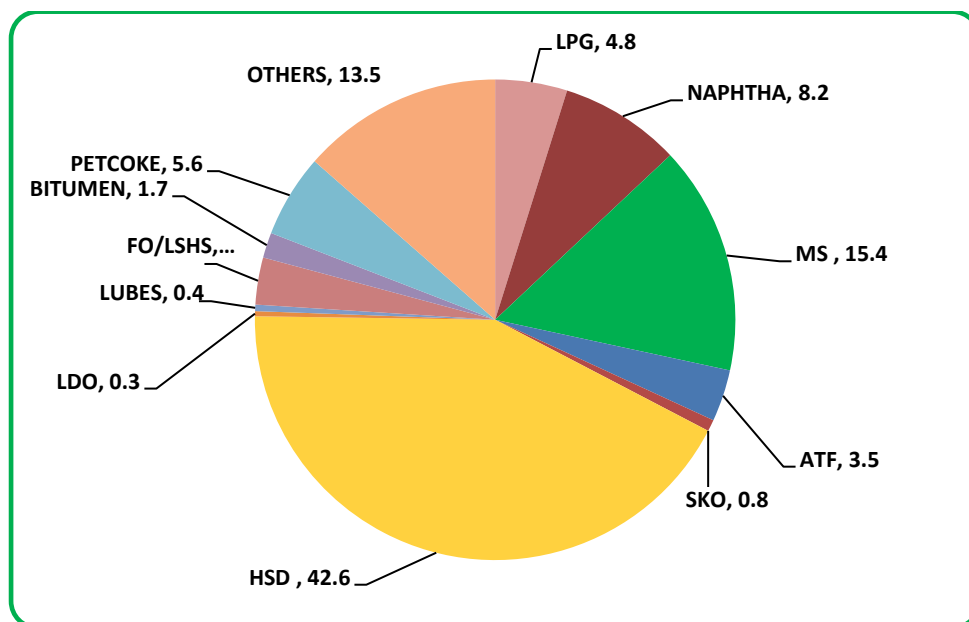
Note: (P): Provisional. Source: Oil Companies
 * Others include products like Propylene, solvents (Hexane, Benzene, Toluene, Xylene and Specialty solvents), Reformat, Mineral Turpentine Oil, Carbon Black Feedstock, Waxes, Sulphur etc.
 LPG: Liquefied petroleum gas, MS: Motor spirit, ATF: Aviation turbine fuel; SKO: Superior kerosene oil, HSD: High speed diesel;

Figure-5; Product wise production of POL products by refineries and fractionators: April – August 2021 ^(P)



The percentage share of various products in total POL production during April – August 2021 is shown below:

Figure-6; Percentage share of products in total POL production: April – August 2021 ^(P)



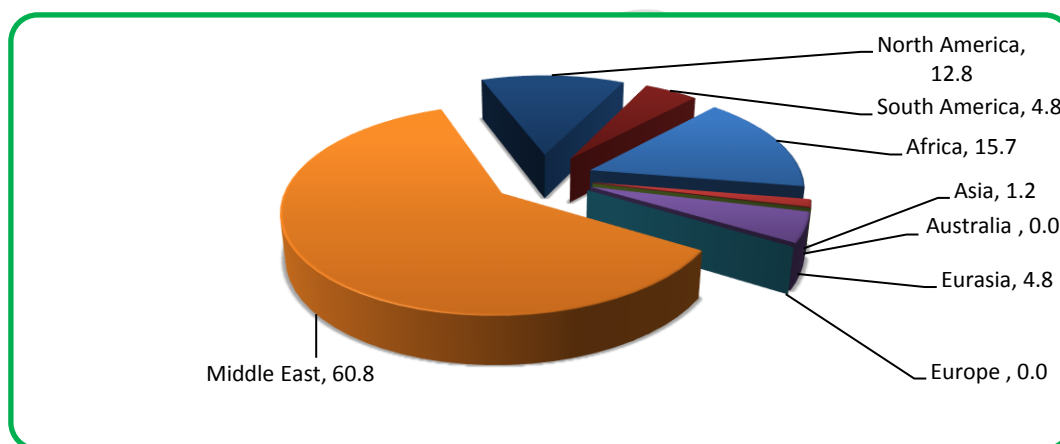
Part B: Import /Export

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 2021 ^(P)	April to August 2021 ^(P)
Crude Oil	17386	83826

Figure 7: Region wise percentage share (%) of crude oil during April to August 2021 (P)



- Crude oil imports increased by 3.1% and 13.2% during August 2021 and April-August 2021 respectively as compared to the corresponding period of the previous year.
- Crude oil imports from OPEC countries decreased to 70.6% of total imports during April-August 2021 as compared to 73.5% during April- August 2020.

5.b Import Petroleum Products

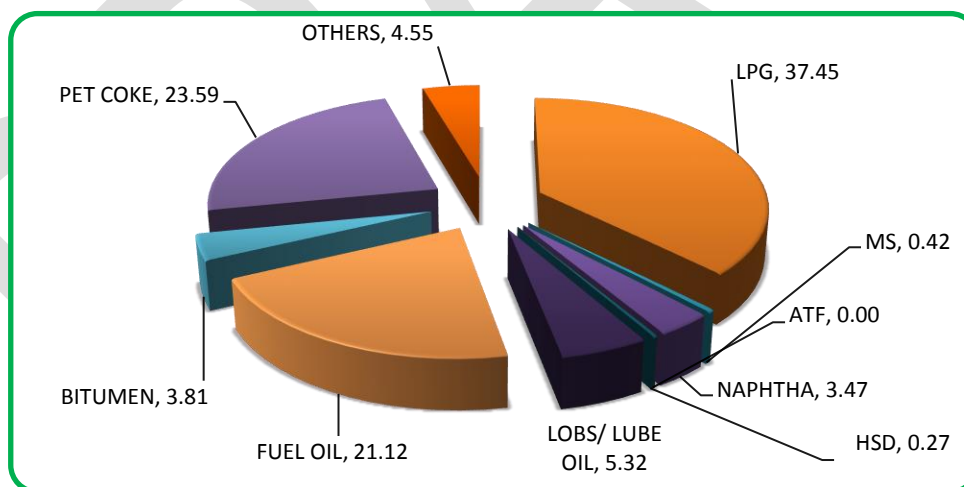
Details of import of petroleum products given in Table-4 below:

Table-4; Import of Petroleum products		
(Thousand Metric Tonnes)		
Product	August 2021 ^(P)	April to August 2021 ^(P)
LPG	1707	6634
MS/ Petrol	0	74
NAPHTHA	106	615
ATF	0	0
HSD	9	47
LOBS/LUBE OIL	189	943
FUEL OIL	736	3741
BITUMEN	131	674
PETCOKE	821	4178
OTHERS§	147	806
TOTAL IMPORTS	3846	17712

Notes: (P): Provisional. Source: Oil Companies & DGCIS
DGCIS data prorated from July 2020 onwards

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

Figure 8: Percentage share of petroleum products in imports: April to August 2021 (P)



- Imports made due to deficit in production viz. LPG and Lubes/LOBS accounted for 42.8% share of total POL products import during April-August 2021 as compared to 39.6% during April-August 2020.
- Import of petcoke accounted for 23.6% of the total POL imports during April-August 2021. The entire quantity was imported by private importers and mainly by cement industry.

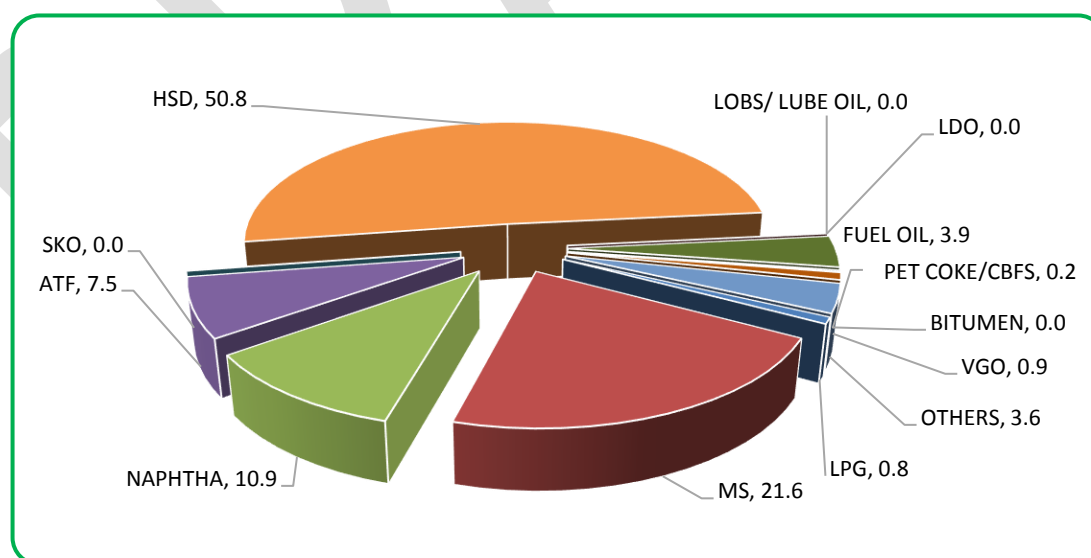
5.c Export of Petroleum Products

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

Table-5 Export of major Petroleum products		
<i>(Thousand Metric Tonnes)</i>		
Product	August 2021 ^(P)	April to August 2021 ^(P)
LPG	43	198
MS	903	5318
Naphtha	635	2676
ATF	324	1840
SKO	1	6
HSD	2603	12521
LDO	0	0
LOBS/LUBE OIL	0	1
FUEL OIL	155	965
BITUMEN	0	0
PETCOKE	42	43
VGO	0	214
OTHERS#	98	882
TOTAL EXPORT	4803	24666

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 August 2021 (P)



- Exports of POL products increased by 4.6% and decreased by 0.2% during August 2021 and April-August 2021 respectively as compared to the corresponding period of the previous year. Decrease in POL products exports during April-August 2021 (P) was due to decrease in exports of high speed diesel (HSD), petcoke/CBFS And LOBS/Lube oil.