

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

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

September 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

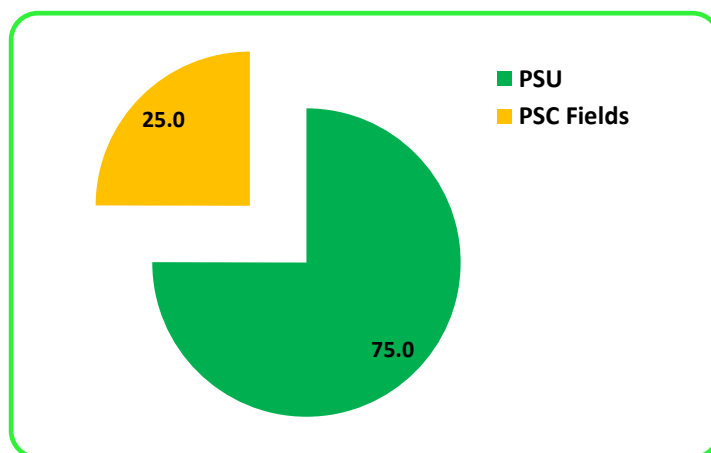
- Indigenous crude oil and condensate production during September 2021 and April – September 2021 was lower by 1.7 % and 2.9 % respectively as compared to the corresponding period of the previous year.
- Crude oil processed during September 2021 was 18.2 MMT, which was 2.9% higher than September 2020. On cumulative basis total crude oil processed was 113.29 MMT which was higher by 13.1 % during April – September 2021 as compared to April – September 2020.
- Production of petroleum products saw a growth of 6.0 % and 11.2 % during September 2021 and April – September 2021 respectively over the corresponding period of the previous year.
- Crude oil imports increased by 16% and 13.1% during September 2021 and April-September 2021 respectively as compared to the corresponding period of the previous year.
- POL products imports increased by 13% and decreased by 6.2% during September 2021 and April-September 2021 respectively as compared to the corresponding period of the previous year. Decrease in POL products imports during April-September 2021 was due to decrease in imports of petcoke, high speed diesel (HSD), superior kerosene oil (SKO) and aviation turbine fuel (ATF).
- Exports of POL products increased by 3% and 0.3% during September 2021 and April-September 2021 respectively as compared to the corresponding period of the previous year. Increase in POL products exports during April-September 2021 (P) was due to increase in exports of aviation turbine fuel (ATF), fuel oil (FO), motor sprit (MS), naphtha, liquified petroleum gas (LPG), superior kerosene oil (SKO) and bitumen.

Part A: Production

2. Indigenous crude oil and condensate production

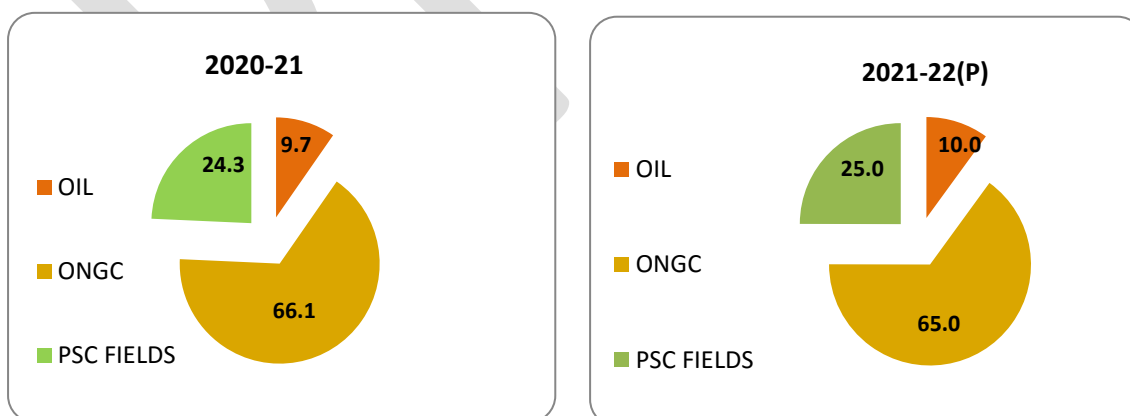
- The percentage share of PSU upstream companies and PSC fields in overall crude oil and condensate production during April – September 2021 ^(P) is shown in figure-1 below:

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



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

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

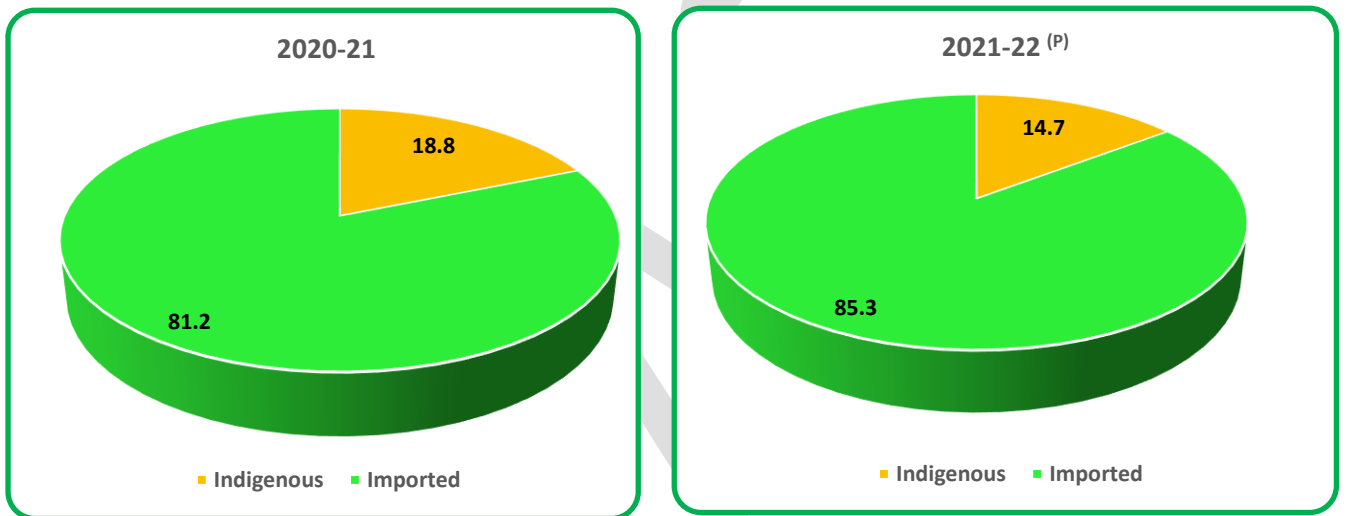


Figure-4; Percentage share of indigenous and imported crude oil processed by Private refineries: April-September

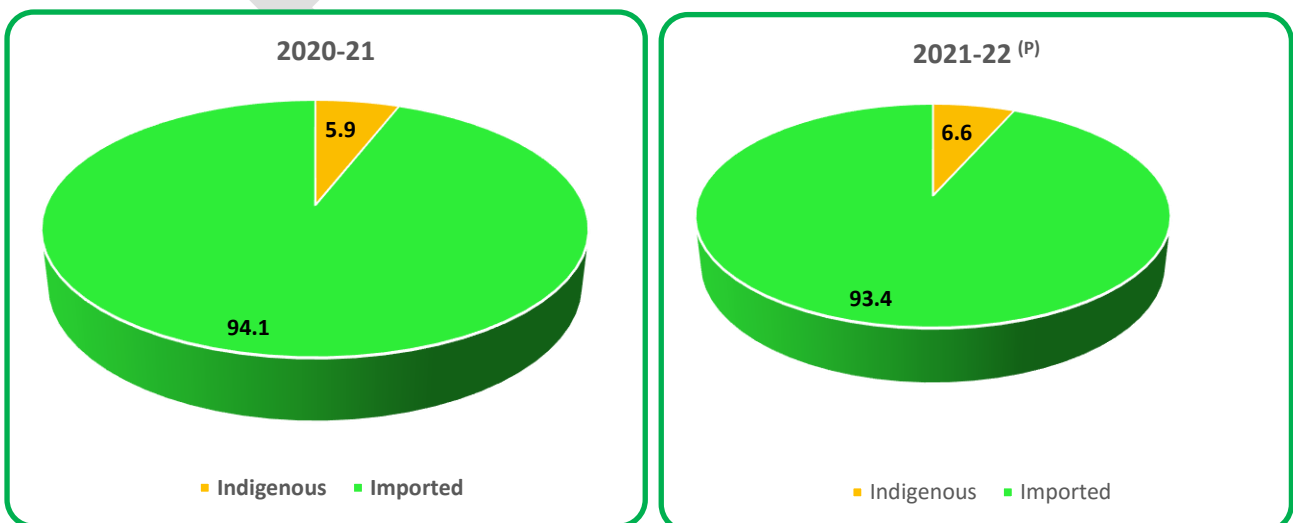


Table-1; High sulphur crude oil processed as percentage of total crude oil processed

	September		April – September	
	2020-21	2021-22 (P)	2020-21	2021-22 (P)
	Qty. in MMT			
High sulphur crude (HS)	13.2	13.9	73.1	85.2
Low sulphur crude (LS)	4.5	4.4	27.1	28.1
Total crude processed	17.7	18.2	100.2	113.3
% share of HS crude in total crude processed	74.4%	76.0%	73.0%	75.2%

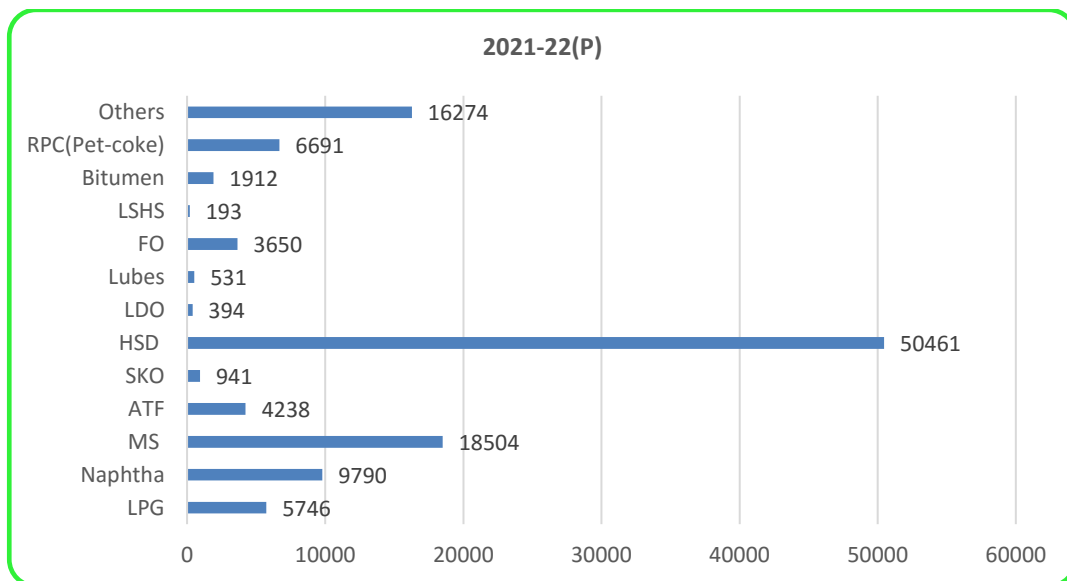
4. Production of Petroleum Products

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

Table-2; Production of petroleum products	
<i>(Thousand Metric Tonnes)</i>	
Products	September 2021^(P)
LPG	892
Naphtha	1617
MS	3080
ATF	744
SKO	159
HSD	7777
LDO	53
Lubes	94
FO	645
LSHS	26
Bitumen	206
RPC(Pet-coke)	1088
Others	2707
Total	19088

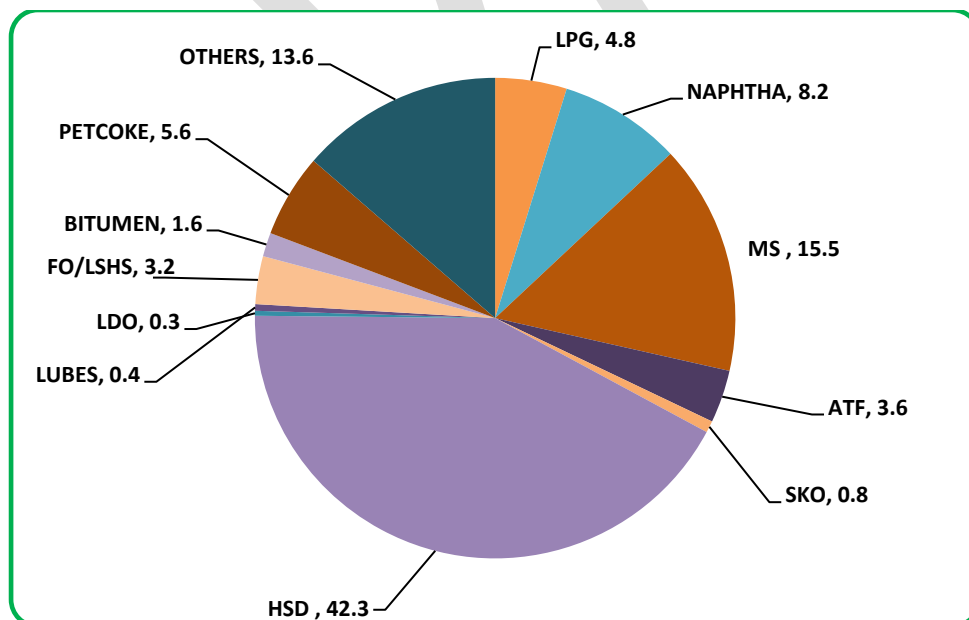
Note: (P): Provisional. Source: Oil Companies
 * Others include products like Propylene, solvents (Hexane, Benzene, Toluene, Xylene and Specialty solvents), Reformate, Mineral Turpentine Oil, Carbon Black Feedstock, Waxes, Sulphur etc.
 LPG: Liquefied petroleum gas, MS: Motor spirit, ATF: Aviation turbine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

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



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

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



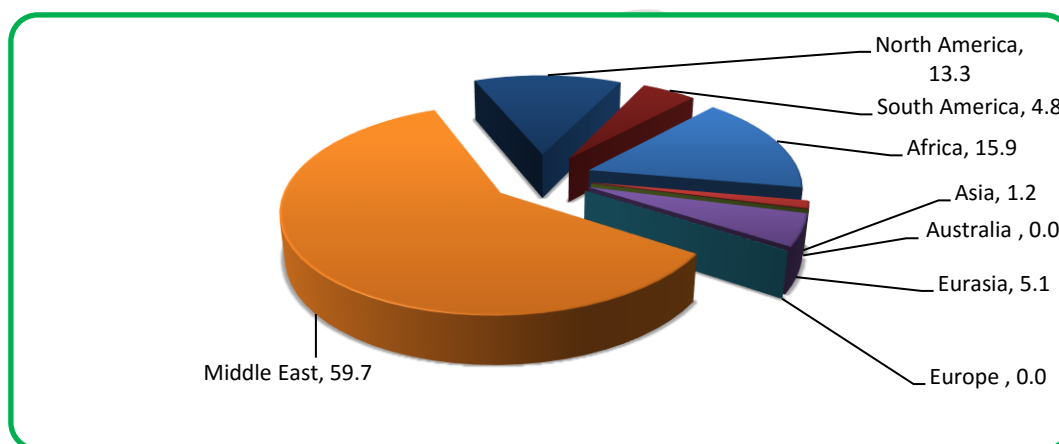
Part B: Import /Export

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	September 2021 ^(P)	April to September 2021 ^(P)
Crude Oil	17608	100911

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



- Crude oil imports increased by 16% and 13.1% during September 2021 and April-September 2021 respectively as compared to the corresponding period of the previous year.
- Crude oil imports from OPEC countries decreased to 69.7% of total imports during April-September 2021 as compared to 73.9% during April- September 2020.

5.b Import Petroleum Products

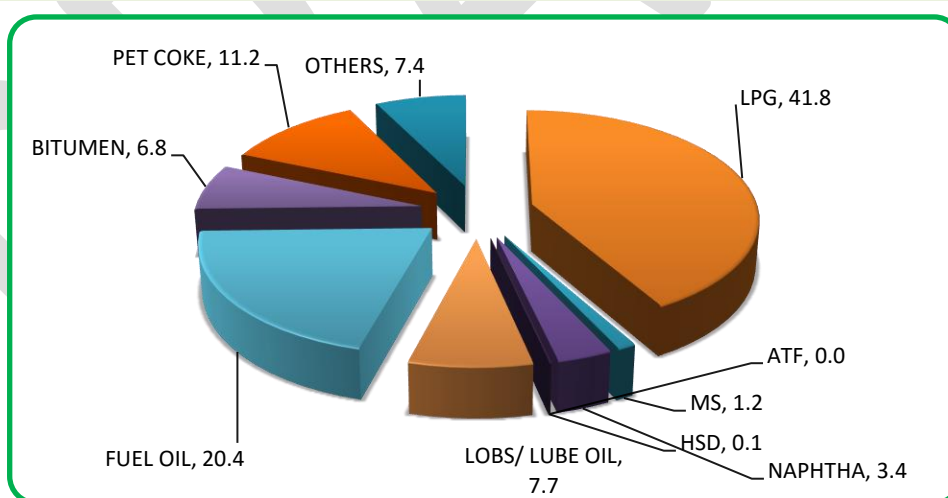
Details of import of petroleum products given in Table-4 below:

Table-4; Import of Petroleum products		
(Thousand Metric Tonnes)		
Product	September 2021 ^(P)	April to September 2021 ^(P)
LPG	1570	8182
MS/ Petrol	154	229
NAPHTHA	98	672
ATF	0	0
SKO	0	0
HSD	7	25
LOBS/LUBE OIL	262	1500
FUEL OIL	432	4004
BITUMEN	201	1337
PETCOKE	459	2194
OTHERS§	321	1442
TOTAL IMPORTS	3504	19587

Notes: (P): Provisional. Source: Oil Companies & DGCIIS
 # Private imports are prorated for the period Aug-2021 to Sep-2021 on the basis of actual data received from DGCIIS for the period Aug-2020 to Jul-2021

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

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



- Imports made due to deficit in production viz. LPG and Lubes/LOBS accounted for 49.4% share of total POL products import during April-September 2021 as compared to 42.9% during April-September 2020.
- Import of petcoke accounted for 11.2% of the total POL imports during April-September 2021. The entire quantity was imported by private importers and mainly by cement industry.

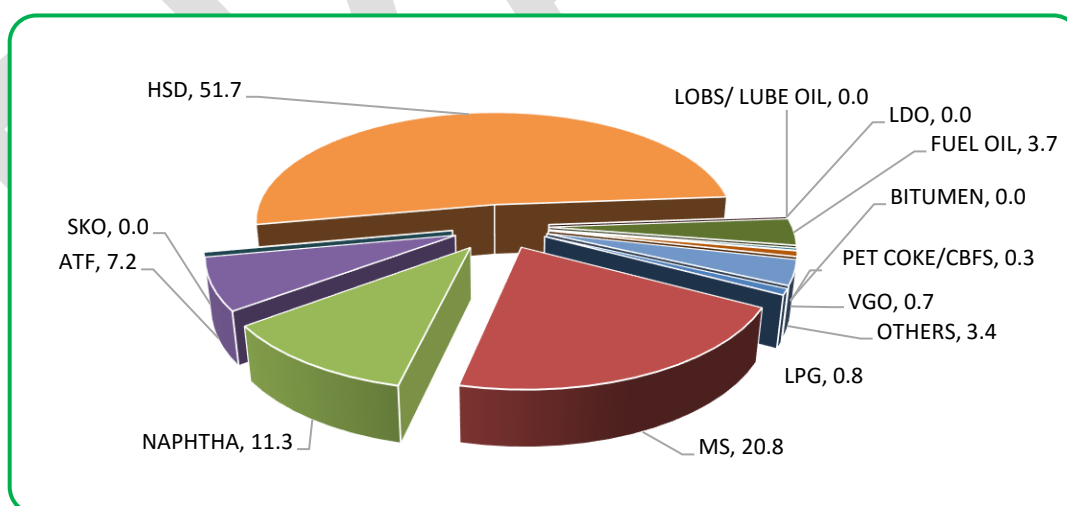
5.c Export of Petroleum Products

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

Table-5 Export of major Petroleum products		
<i>(Thousand Metric Tonnes)</i>		
Product	September 2021 ^(P)	April to September 2021 ^(P)
LPG	45	243
MS	851	6169
Naphtha	656	3332
ATF	292	2133
SKO	1	7
HSD	2795	15316
LDO	0	0
LOBS/LUBE OIL	0	2
FUEL OIL	127	1092
BITUMEN	2	2
PETCOKE	42	85
VGO	0	214
OTHERS [#]	131	1013
TOTAL EXPORT	4942	29609

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 2021 (P)



- Exports of POL products increased by 3% and 0.3% during September 2021 and April-September 2021 respectively as compared to the corresponding period of the previous year. Increase in POL products exports during April-September 2021 (P) was due to increase in exports of aviation turbine fuel (ATF), fuel oil (FO), motor spirit (MS), naphtha, liquefied petroleum gas (LPG), superior kerosene oil (SKO) and bitumen.



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