

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

&

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

January 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 January 2021 and April – January 2021 was lower by 4.6 % and 5.6 % respectively as compared to the corresponding period of the previous year.
- Crude oil processed in refineries during January 2021 was 21.8 MMT, which was 0.6 % higher than January 2020. On cumulative basis total crude oil processed was 182.2 MMT which was lower by 14.1 % during April – January 2021 as compared to April – January 2020.
- Production of petroleum products saw a de-growth of 2.5 % and 12.4 % respectively during January 2021 and April – January 2021 over the corresponding period of the previous year.
- Crude oil imports decreased by 2.7% and 13.7% during January 2021 and April-January 2021 respectively as compared to the corresponding period of the previous year.
- POL products imports decreased by 28.9% and 2.8% during January 2021 and April-January 2021 respectively as compared to the corresponding period of the previous year. Decrease in POL products imports during April-January 2021 was due to decrease in imports of high-speed diesel (HSD), motor sprit (MS), LOBS/Lube oil, naphtha and aviation turbine fuel (ATF).
- Exports of POL products decreased by 4.8% and 15% during January 2021 and April-January 2021 respectively as compared to the corresponding period of the previous year. Decrease in POL products exports during April-January 2021 (P) was due to decrease in exports of aviation turbine fuel (ATF), naphtha, motor sprit (MS), high speed diesel (HSD), fuel oil (FO), vacuum gas oil (VGO), superior kerosene oil (SKO), bitumen and liquified petroleum gas (LPG).

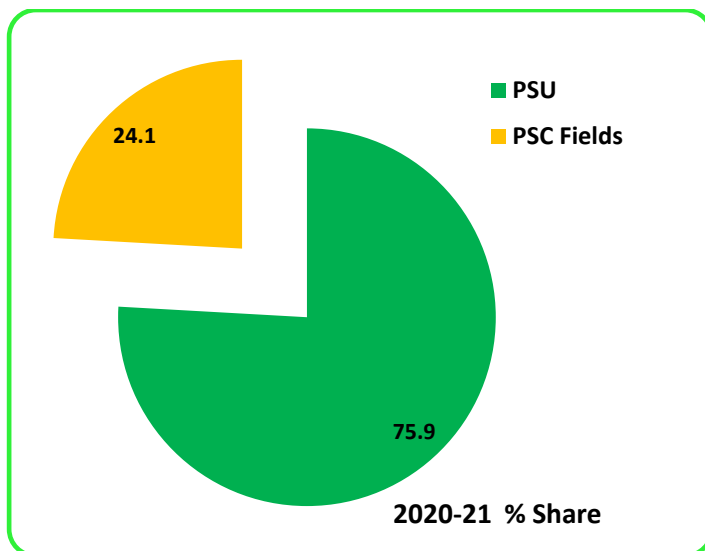
Part A: Production

PPAC

2. Indigenous crude oil and condensate production

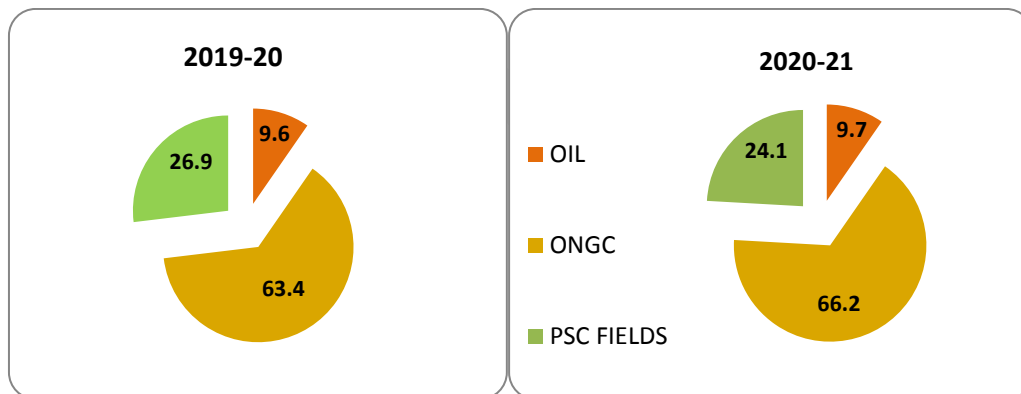
- The percentage share of PSU upstream companies and PSC fields in overall crude oil and condensate production during April – January 2021 ^(P) is shown in figure-1 below:

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



- The comparison of percentage share of ONGC, OIL and PSC fields in total crude oil and condensate production during April – January 2021 and April – January 2020 is shown in figure-2 below:

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



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 – January 2021 and April – January 2020 is given below:

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

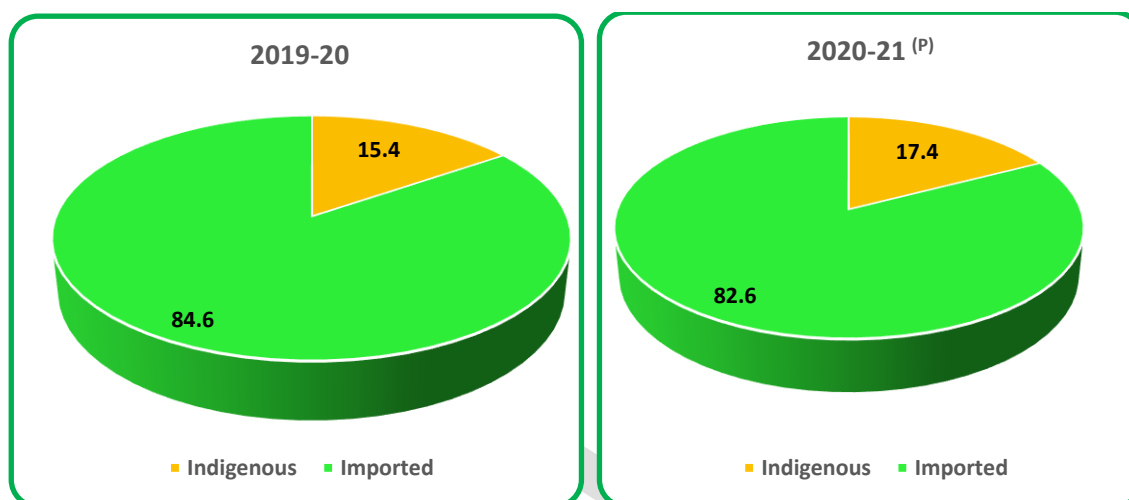


Figure-4; Percentage share of indigenous and imported crude oil processed by Private refineries: April-January

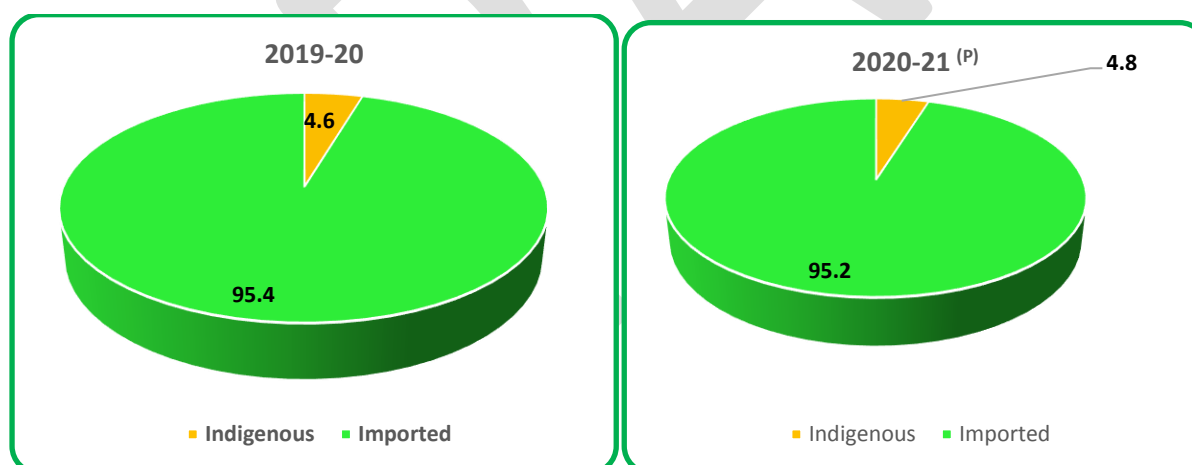


Table-1; High sulphur crude oil processed as percentage of total crude oil processed.

	January		April – January	
	2019-20	2020-21 ^(P)	2019-20	2020-21 ^(P)
	Qty. in MMT			
High sulphur crude (HS)	16.6	15.8	159.6	133.0
Low sulphur crude (LS)	5.1	6.0	52.4	49.2
Total crude processed	21.7	21.8	212.1	182.2
% share of HS crude in total crude	76.5%	72.5%	75.3%	73.0%

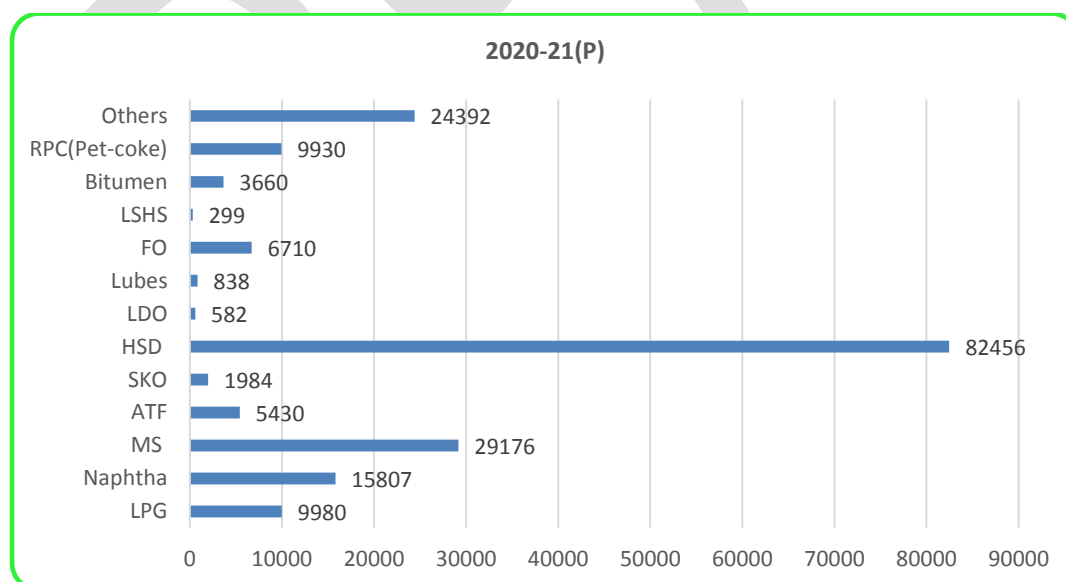
4. Production of Petroleum Products

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

Table-2; Production of petroleum products	
(Thousand Metric Tonnes)	
Products	January 2021 ^(P)
LPG	1118
Naphtha	1831
MS	3423
ATF	761
SKO	220
HSD	9761
LDO	81
Lubes	108
FO	603
LSHS	41
Bitumen	526
RPC (Pet-coke)	1112
Others	2589
Total	22173

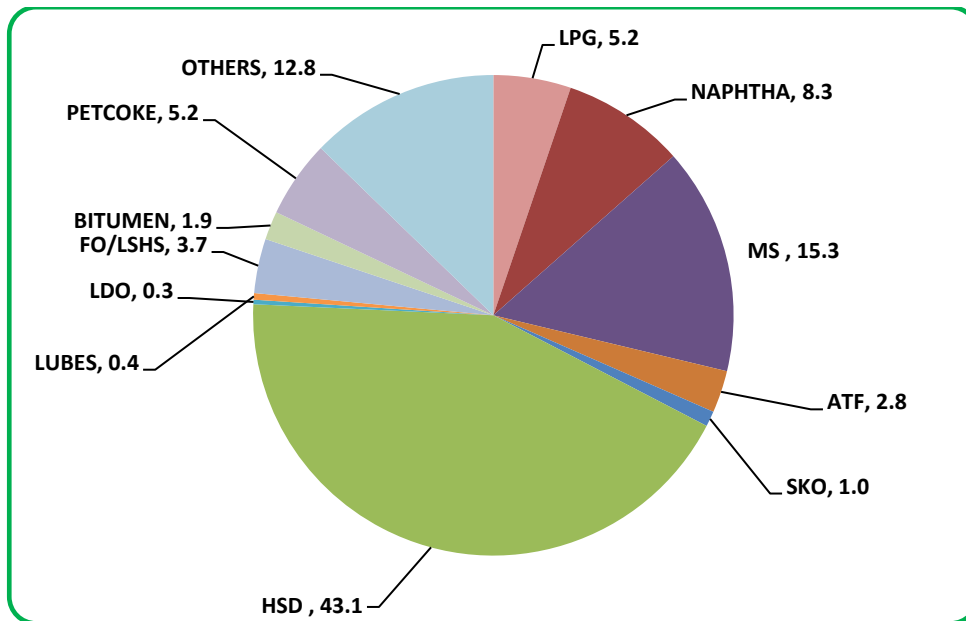
Note: (P): Provisional. Source: Oil Companies
 * Others include products like Propylene, solvents (Hexane, Benzene, Toluene, Xylene and Specialty solvents), Reformate, Mineral Turpentine Oil, Carbon Black Feedstock, Waxes, Sulphur etc.
 LPG: Liquefied petroleum gas, MS: Motor spirit, ATF: Aviation turbine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

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



The percentage share of various products in total POL production during April – January 2021 is shown in figure-6 below:

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



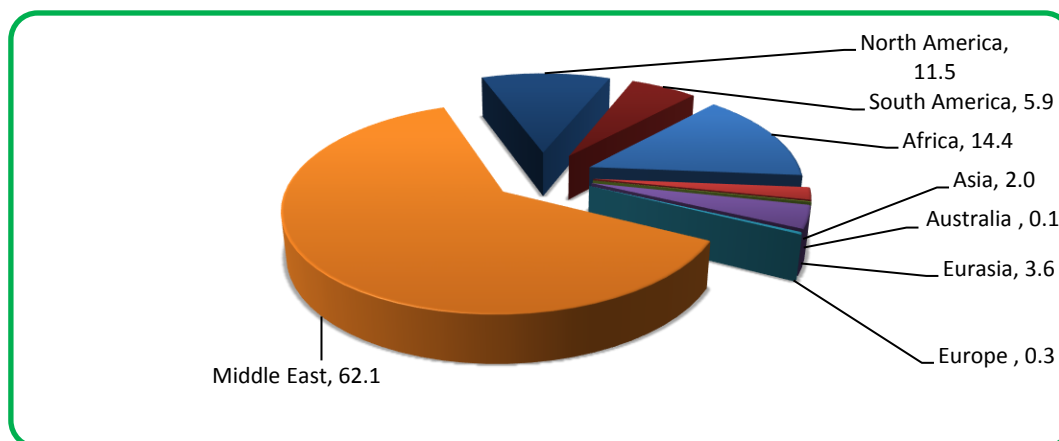
Part B: Import /Export

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	January 2021 ^(P)	April to January 2021 ^(P)
Crude Oil	19595	162844

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



- Crude oil imports decreased by 2.7% and 13.7% during January 2021 and April-January 2021 respectively as compared to the corresponding period of the previous year.
- Crude oil imports from OPEC countries decreased to 75.2% of total imports during April to January 2021 as compared to 79.7% during April to January 2020.

5.b Import Petroleum Products

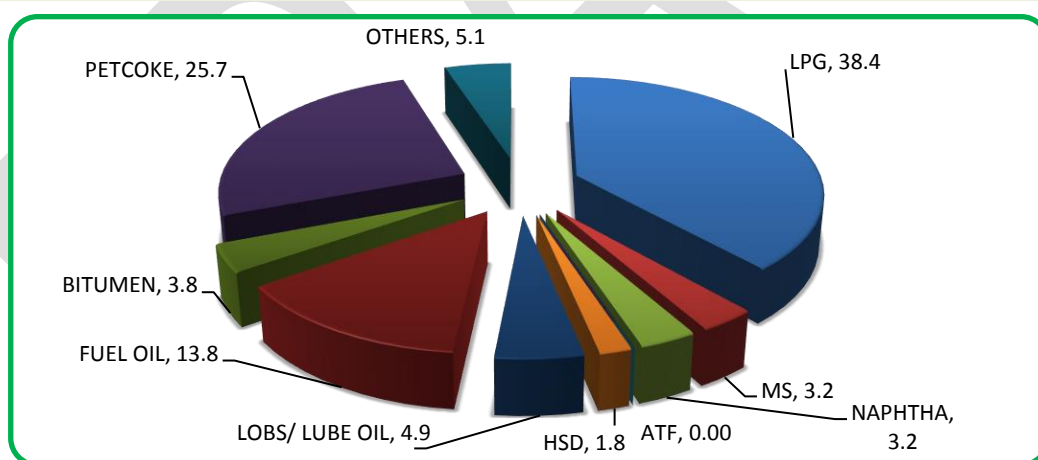
Details of import of petroleum products given in Table-4 below:

Table-4; Import of Petroleum products		
(Thousand Metric Tonnes)		
Product	January 2021 ^(P)	April to January 2021 ^(P)
LPG	1366	13640
MS/ Petrol	124	1136
NAPHTHA	110	1144
ATF	0	0
HSD	78	638
LOBS/LUBE OIL	205	1749
FUEL OIL	404	4888
BITUMEN	137	1352
PETCOKE	854	9134
OTHERS§	153	1797
TOTAL IMPORTS	3428	35478

Notes: (P): Provisional. Source: Oil Companies & DGCIS
July 2020 to January 2021 DGCIS data prorated on the basis of July 2019 - June 2020 actual data provided by DGCIS.

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

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



- Imports made due to deficit in production viz. LPG and Lubes/LOBS accounted for 43.4% share of total POL products import during April-January 2021 as compared to 39.8% during April-January 2020.
- Import of petcoke accounted for 25.7% of the total POL imports during April-January 2021. The entire quantity was imported by private importers and mainly by cement industry.

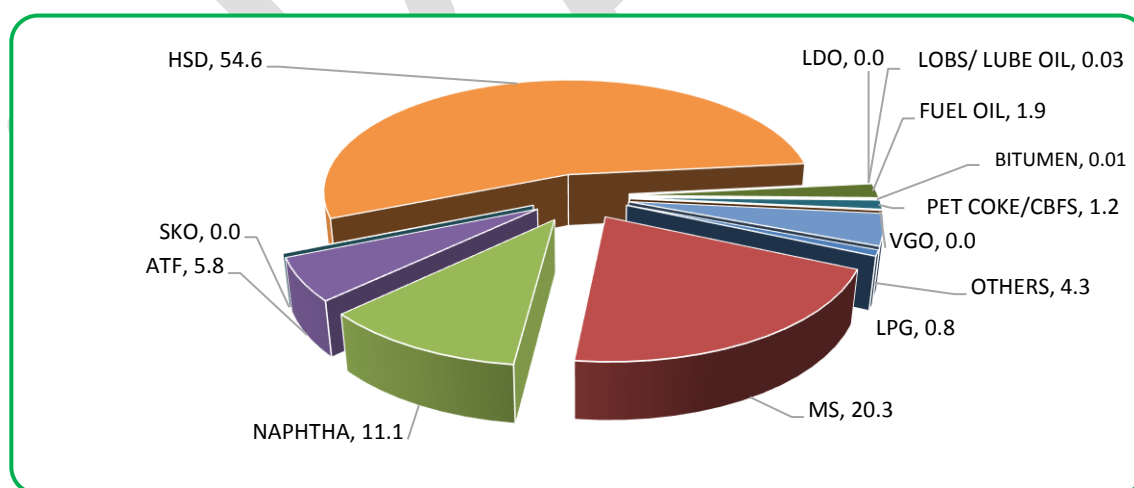
5.c Export of Petroleum Products

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

Table-5 Export of major Petroleum products		
(Thousand Metric Tonnes)		
Product	January 2021 ^(P)	April to January 2021 ^(P)
LPG	46	364
MS	890	9432
Naphtha	599	5155
ATF	304	2698
SKO	2	12
HSD	2324	25397
LDO	0	0
LOBS/LUBE OIL	0	14
FUEL OIL	112	902
BITUMEN	0	6
PETCOKE	1	576
VGO	0	0
OTHERS [#]	151	1979
TOTAL EXPORT	4429	46536

Note: (P): Provisional. Source: Oil Companies
[#] Other include Benzene, Hexane, MTO, Paraffin wax, Polypropylene, Sulphur etc.
 LPG: Liquified 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 January 2021 (P)



- Exports of POL products decreased by 4.8% and 15% during January 2021 and April-January 2021 respectively as compared to the corresponding period of the previous year. Decrease in POL products exports during April-January 2021 (P) was due to decrease in exports of aviation turbine fuel (ATF), naphtha, motor spirit (MS), high speed diesel (HSD), fuel oil (FO), vacuum gas oil (VGO), superior kerosene oil (SKO), bitumen and liquified petroleum gas (LPG).