

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

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

December 2020



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 December 2020 and April – December 2020 was lower by 3.6 % and 5.7 % respectively as compared to the corresponding period of the previous year.
- Crude oil processed in refineries during December 2020 was 21.0 MMT, which was 0.9 % higher than December 2019. On cumulative basis total crude oil processed was 160.4 MMT which was lower by 15.8 % during April – December 2020 as compared to April – December 2019.
- Production of petroleum products saw a de-growth of 2.8 % and 13.5 % respectively during December 2020 and April – December 2020 over the corresponding period of the previous year.
- Crude oil imports increased by 9.5% and decreased by 15.1% during December 2020 and April-December 2020 respectively as compared to the corresponding period of the previous year.
- POL products imports increased by 1% and 1.1% during December 2020 and April-December 2020 respectively as compared to the corresponding period of the previous year. Increase in POL products imports during April-December 2020 was due to increase in imports of fuel oil (FO), liquified petroleum gas (LPG) and bitumen.
- Exports of POL products decreased by 27.6% and 15.9% during December 2020 and April-December 2020 respectively as compared to the corresponding period of the previous year. Decrease in POL products exports during April-December 2020 (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), liquified petroleum gas (LPG) and bitumen.

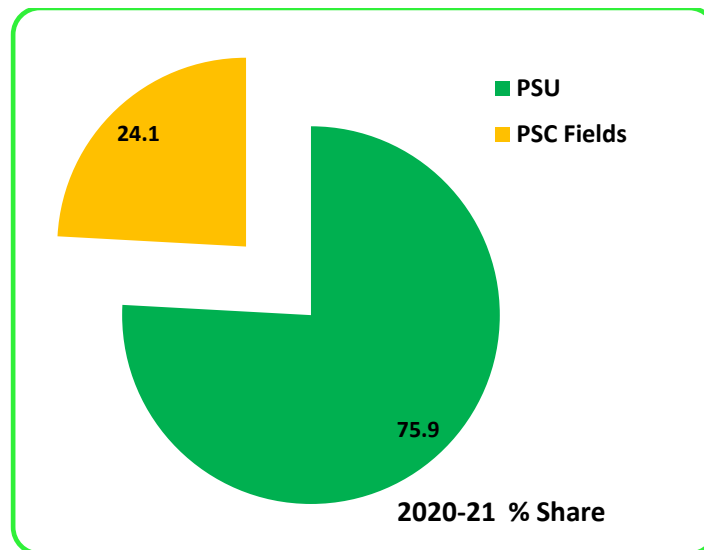
Part A: Production

PPAC

2. Indigenous crude oil and condensate production

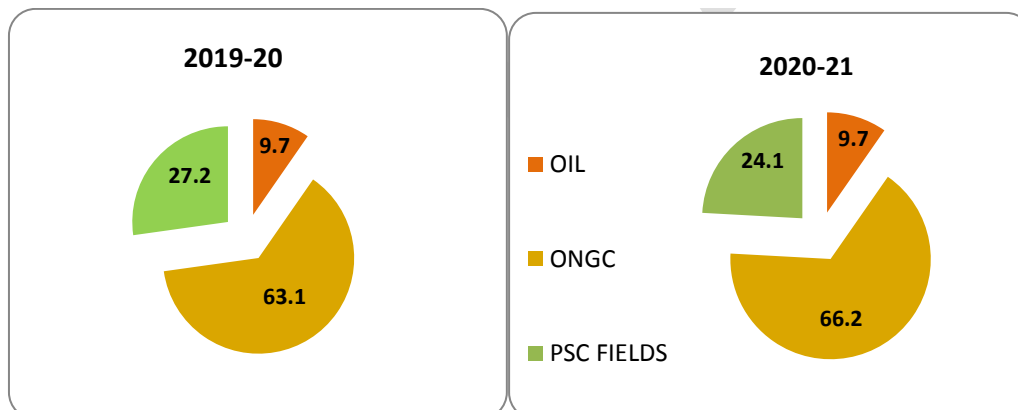
- The percentage share of PSU upstream companies and PSC fields in overall crude oil and condensate production during April – December 2020 ^(P) is shown in figure-1 below:

Figure-1; Percentage share in crude oil and condensate production; April – December 2020 ^(P)



- The comparison of percentage share of ONGC, OIL and PSC fields in total crude oil and condensate production during April – December 2020 and April – December 2019 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 2020 and April – December 2019 is given below:

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

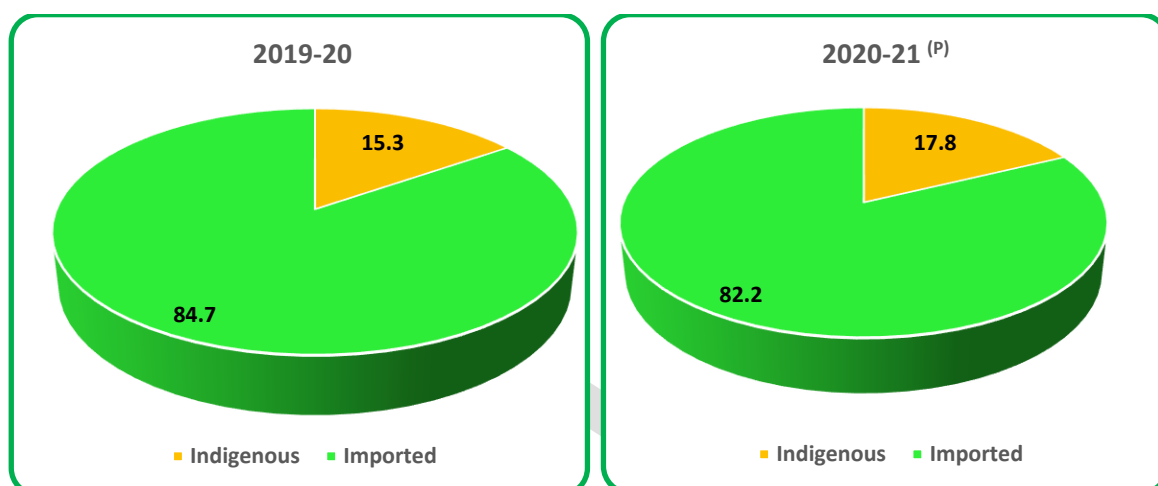


Figure-4; Percentage share of indigenous and imported crude oil processed by Private refineries: April-November

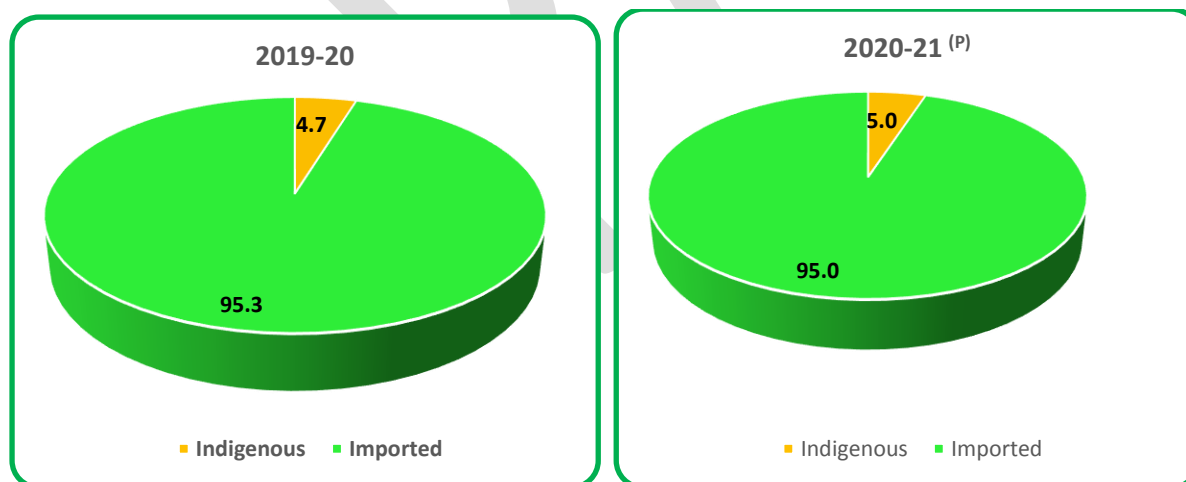


Table-1; High sulphur crude oil processed as percentage of total crude oil processed

	December		April – December	
	2019-20	2020-21 ^(P)	2019-20	2020-21 ^(P)
	Qty. in MMT			
High sulphur crude (HS)	16.6	15.3	143.0	117.2
Low sulphur crude (LS)	4.3	5.7	47.3	43.2
Total crude processed	20.8	21.0	190.4	160.4
% share of HS crude in total crude	79.5%	72.9%	75.1%	73.1%

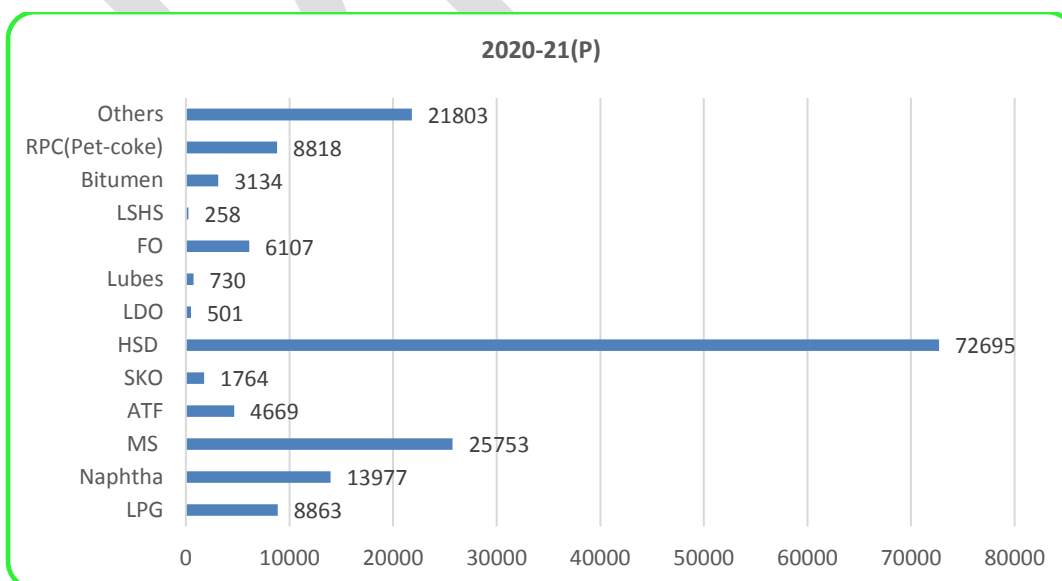
4. Production of Petroleum Products

Details of production of petroleum products by refineries and fractionators during December 2020^(P) are given in Table-2.

Table-2; Production of petroleum products	
(Thousand Metric Tonnes)	
Products	December 2020 ^(P)
LPG	1117
Naphtha	1640
MS	3341
ATF	728
SKO	180
HSD	9471
LDO	75
Lubes	79
FO	588
LSHS	24
Bitumen	574
RPC (Pet-coke)	1089
Others	2573
Total	21480

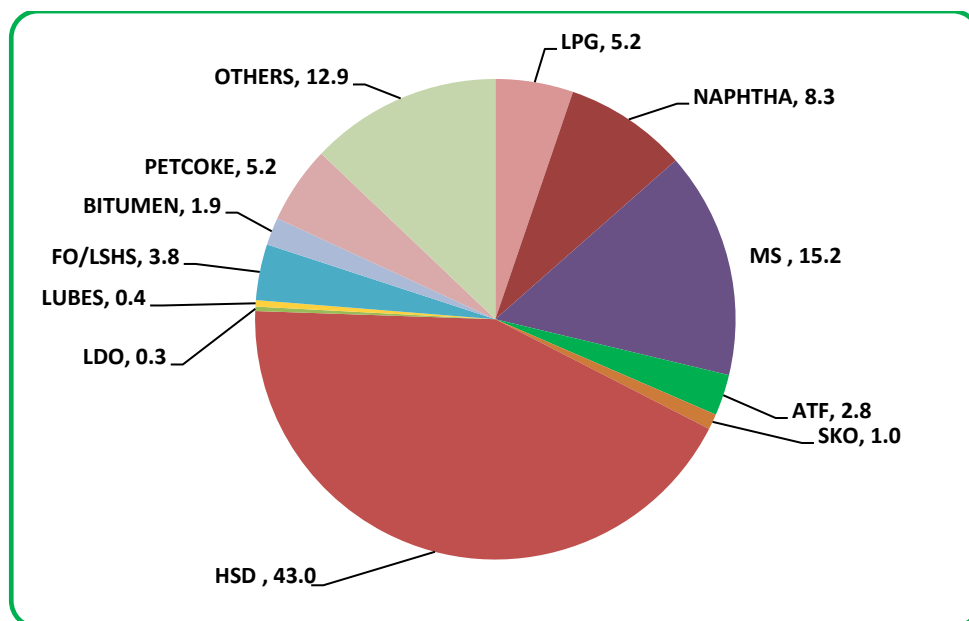
Note: (P): Provisional. Source: Oil Companies
 * Others include products like Propylene, solvents (Hexane, Benzene, Toluene, Xylene and Specialty solvents), Reformate, Mineral Turpentine Oil, Carbon Black Feedstock, Waxes, Sulphur etc.
 LPG: Liquefied petroleum gas, MS: Motor spirit, ATF: Aviation turbine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

Figure-5; Product wise production of POL products by refineries and fractionators: April – December 2020 ^(P)



The percentage share of various products in total POL production during April – December 2020 is shown in figure-6 below:

Figure-6; Percentage share of POL products in production; April - December 2020 ^(P)



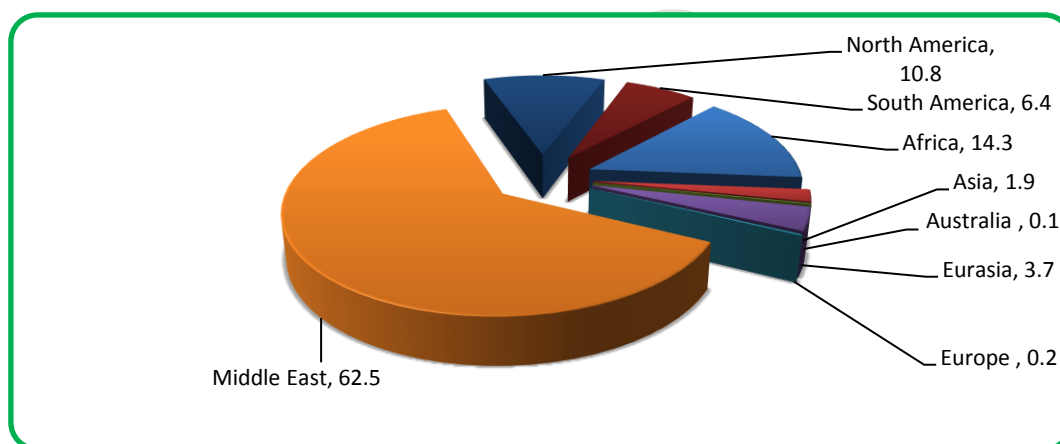
Part B: Import /Export

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 2020 ^(P)	April to December 2020 ^(P)
Crude Oil	20489	143232

Figure 7: Region wise percentage share (%) of crude oil during April to December 2020 (P)



- Crude oil imports increased by 9.5% and decreased by 15.1% during December 2020 and April-December 2020 respectively as compared to the corresponding period of the previous year.
- Crude oil imports from OPEC countries decreased to 75.9% of total imports during April to December 2020 as compared to 79.5% during April to December 2019.

5.b Import Petroleum Products

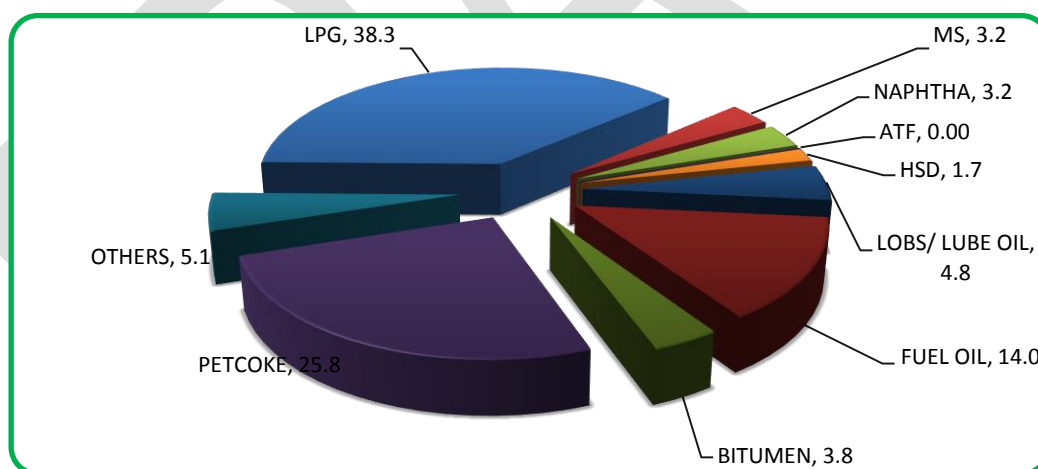
Details of import of petroleum products given in Table-4 below:

Table-4; Import of Petroleum products		
(Thousand Metric Tonnes)		
Product	December 2020 ^(P)	April to December 2020 ^(P)
LPG	1510	12274
MS/ Petrol	544	1013
NAPHTHA	110	1034
ATF	0	0
HSD	241	561
LOBS/LUBE OIL	195	1545
FUEL OIL	509	4485
BITUMEN	137	1216
PETCOKE	854	8279
OTHERS§	153	1644
TOTAL IMPORTS	4254	32050

Notes: (P): Provisional. Source: Oil Companies & DGCIS
July-December 2020 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 December 2020 (P)



- Imports made due to deficit in production viz. LPG and Lubes/LOBS accounted for 43.1% share of total POL products import during April-December 2020 as compared to 40.6% during April-December 2019.
- Import of petcoke accounted for 25.8% of the total POL imports during April-December 2020. The entire quantity was imported by private importers and mainly by cement industry.

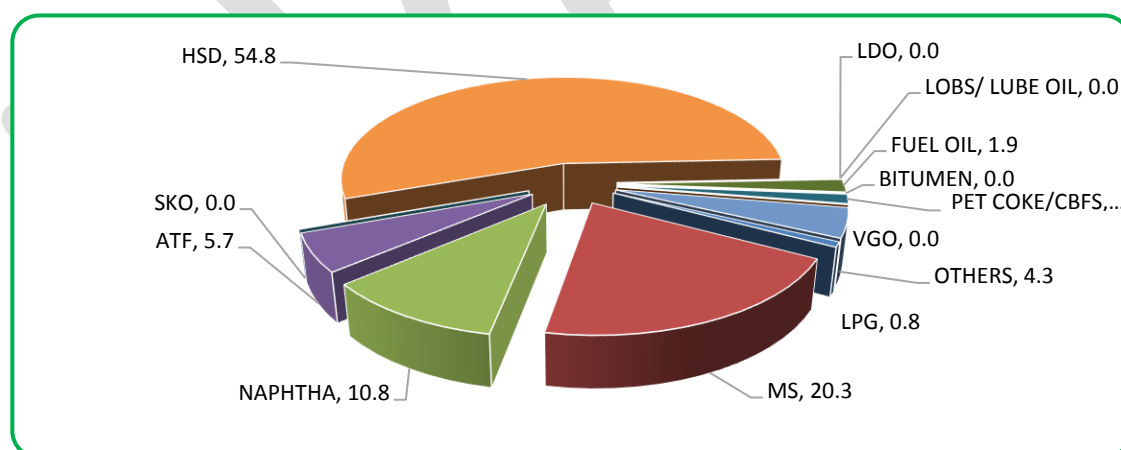
5.c Export of Petroleum Products

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

Table-5 Export of major Petroleum products		
(Thousand Metric Tonnes)		
Product	2020-21	2020-21
LPG	41	318
MS	954	8542
Naphtha	611	4556
ATF	314	2394
SKO	2	10
HSD	2653	23074
LDO	0	0
LOBS/LUBE OIL	0	13
FUEL OIL	48	791
BITUMEN	2	6
PETCOKE	0	576
VGO	0	0
OTHERS#	67	1828
TOTAL EXPORT	4693	42108

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 December 2020 (P)



- Exports of POL products decreased by 27.6% and 15.9% during December 2020 and April-December 2020 respectively as compared to the corresponding period of the previous year. Decrease in POL products exports during April-December 2020 (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), liquefied petroleum gas (LPG) and bitumen.