

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

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

November 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

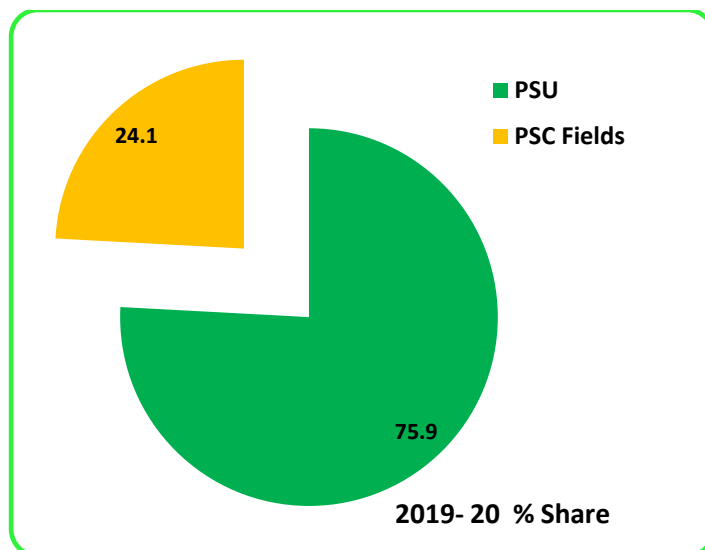
- Indigenous crude oil and condensate production during November 2020 and April – November 2020 was lower by 4.9 % and 6.0 % respectively as compared to the corresponding period of the previous year.
- Crude oil processed in refineries during November 2020 was 20.8 MMT, which was 5.1 % lower than November 2019. On cumulative basis total crude oil processed was 139.3 MMT which was lower by 17.8 % during April – November 2020 as compared to April – November 2019.
- Production of petroleum products saw a de-growth of 4.8 % and 14.9 % respectively during November 2020 and April – November 2020 over the corresponding period of the previous year.
- Crude oil imports decreased by 4.7% and 18.1% during November 2020 and April-November 2020 respectively as compared to the corresponding period of the previous year.
- POL products imports increased by 10.1% and 1.2% during November 2020 and April-November 2020 respectively as compared to the corresponding period of the previous year. Increase in POL products imports during April-November 2020 was due to increase in imports of fuel oil (FO), liquified petroleum gas (LPG), bitumen and petcoke.
- Exports of POL products decreased by 33.7% and 14.2% during November 2020 and April-November 2020 respectively as compared to the corresponding period of the previous year. Decrease in POL products exports during April-November 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), liquified petroleum gas (LPG), bitumen and superior kerosene oil (SKO).

Part A: Production

2. Indigenous crude oil and condensate production

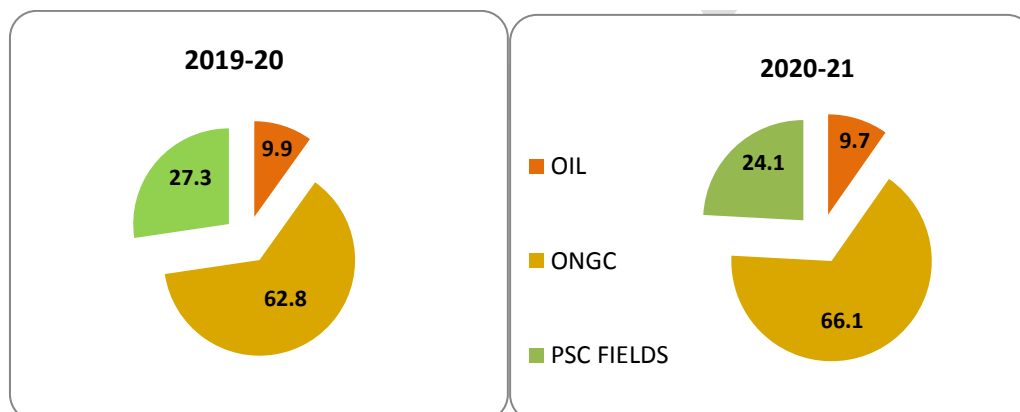
- The percentage share of PSU upstream companies and PSC fields in overall crude oil and condensate production during April – November 2020 ^(P) is shown in figure-1 below:

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



- The comparison of percentage share of ONGC, OIL and PSC fields in total crude oil and condensate production during April – November 2020 and April – November 2019 is shown in figure-2 below:

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



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 – November 2020 and April – November 2019 is given below:

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

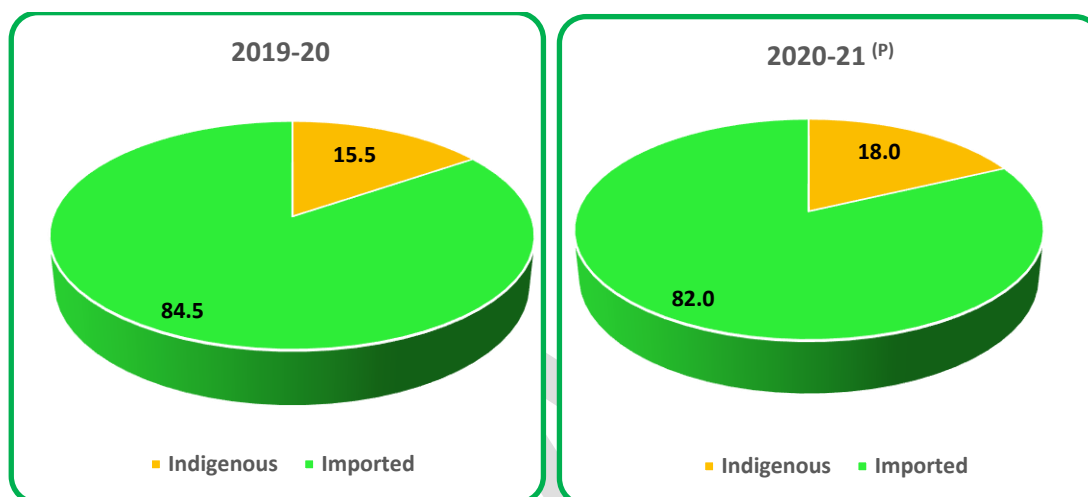


Figure-4; Percentage share of indigenous and imported crude oil processed by Private refineries: April-November

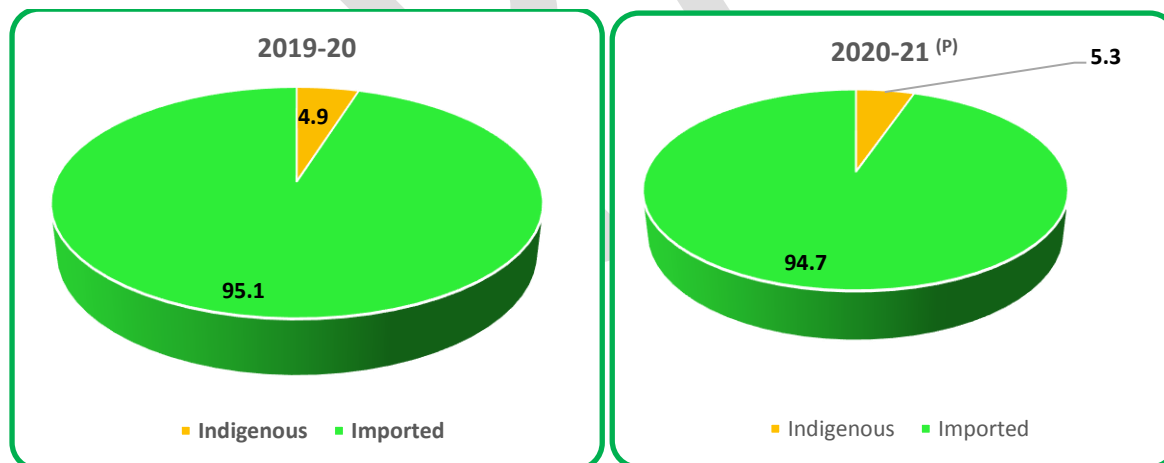


Table-1; High sulphur crude oil processed as percentage of total crude oil processed

	November		April – November	
	2019-20	2020-21 ^(P)	2019-20	2020-21 ^(P)
	Qty. in MMT			
High sulphur crude (HS)	16.7	15.3	126.5	101.8
Low sulphur crude (LS)	5.3	5.5	43.1	37.5
Total crude processed	21.9	20.8	169.6	139.3
% share of HS crude in total crude	5.35	5.07	5.09	4.18

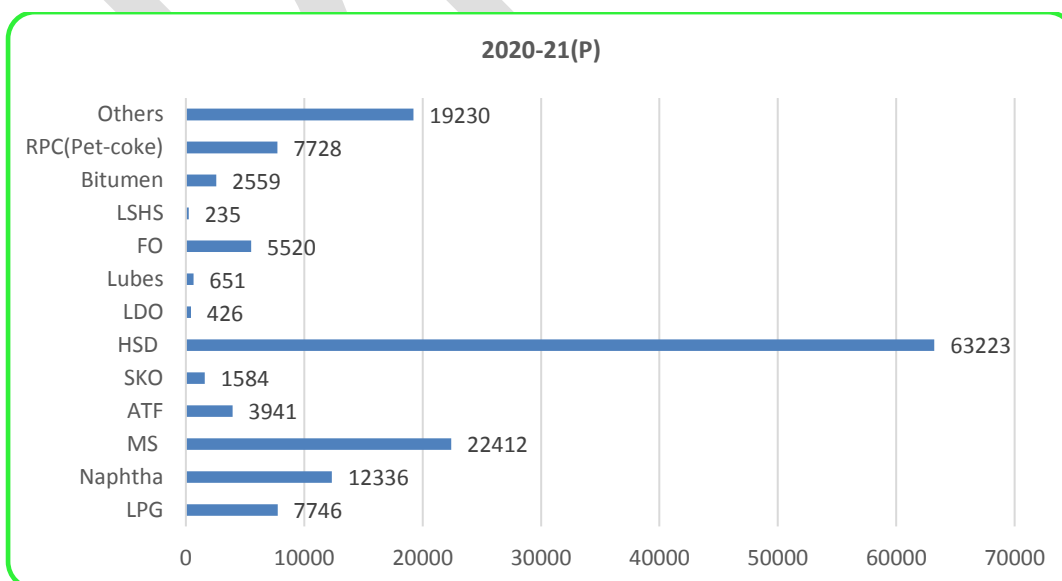
4. Production of Petroleum Products

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

Table-2; Production of petroleum products	
(Thousand Metric Tonnes)	
Products	November 2020 ^(P)
LPG	1093
Naphtha	1754
MS	3329
ATF	731
SKO	155
HSD	9515
LDO	65
Lubes	99
FO	573
LSHS	41
Bitumen	488
RPC (Pet-coke)	1082
Others	2497
Total	21425

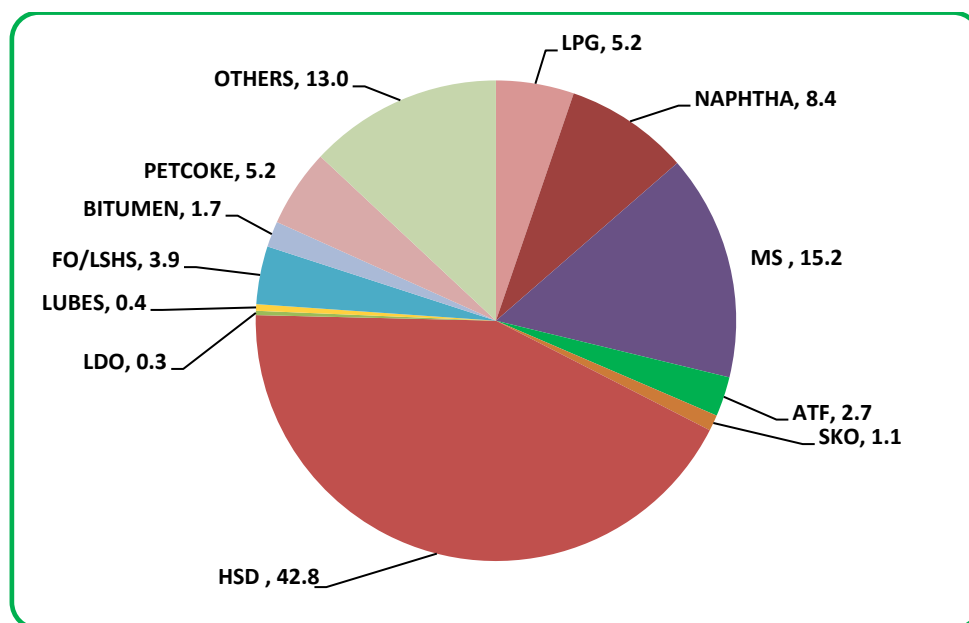
Note: (P): Provisional. Source: Oil Companies
 * Others include products like Propylene, solvents (Hexane, Benzene, Toluene, Xylene and Specialty solvents), Reformate, Mineral Turpentine Oil, Carbon Black Feedstock, Waxes, Sulphur etc.
 LPG: Liquefied petroleum gas, MS: Motor spirit, ATF: Aviation turbine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

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



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

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



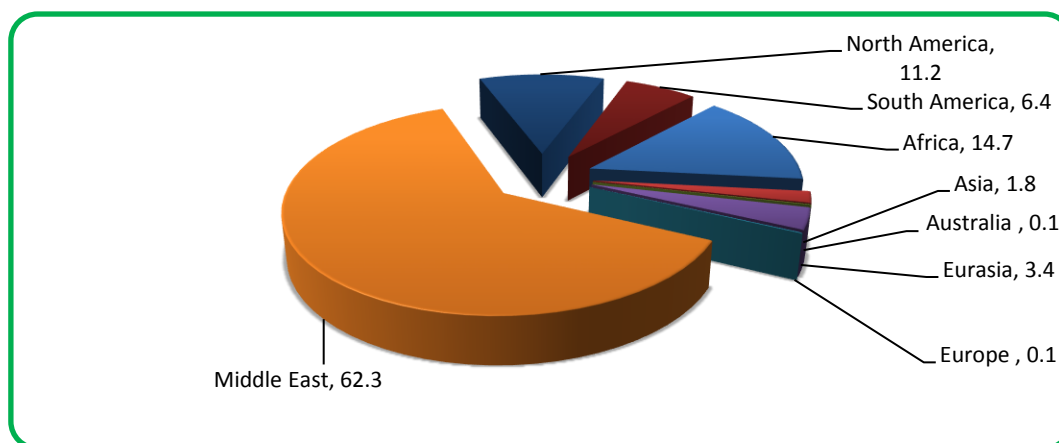
Part B: Import /Export

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	November 2020 ^(P)	April to November 2020 ^(P)
Crude Oil	18279	122748

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



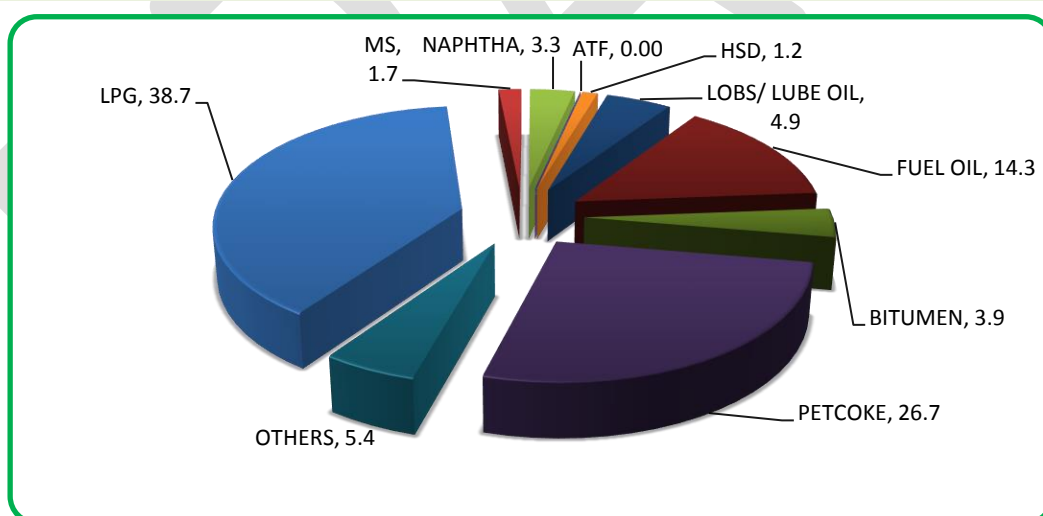
- Crude oil imports decreased by 4.7% and 18.1% during November 2020 and April-November 2020 respectively as compared to the corresponding period of the previous year.
- Crude oil imports from OPEC countries decreased to 76.6% of total imports during April to November 2020 as compared to 78.9% during April to November 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	November 2020 ^(P)	April to November 2020 ^(P)
LPG	1396	10764
MS/ Petrol	155	469
NAPHTHA	110	923
ATF	0	0
HSD	10	320
LOBS/LUBE OIL	201	1349
FUEL OIL	256	3975
BITUMEN	137	1079
PETCOKE	854	7425
OTHERS§	153	1491
TOTAL IMPORTS	3272	27796
Notes: (P): Provisional. Source: Oil Companies & DGCIS # July-November 2020 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 November 2020 (P)



- Imports made due to deficit in production viz. LPG and Lubes/LOBS accounted for 43.6% share of total POL products import during April-November 2020 as compared to 41.7% during April-November 2019.
- Import of petcoke accounted for 26.7% of the total POL imports during April-November 2020. The entire quantity was imported by private importers and mainly by cement industry.

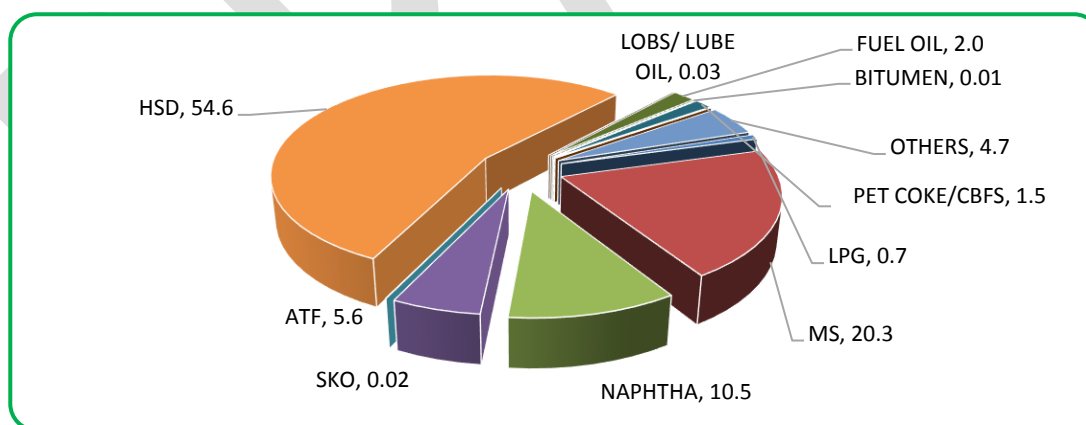
5.c Export of Petroleum Products

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

Table-5 Export of major Petroleum products		
<i>(Thousand Metric Tonnes)</i>		
Product	November 2020 ^(P)	April to November 2020 ^(P)
LPG	39	277
MS	895	7589
Naphtha	442	3945
ATF	273	2080
SKO	2	8
HSD	2244	20421
LDO	0	0
LOBS/LUBE OIL	0	13
FUEL OIL	28	743
BITUMEN	0	4
PETCOKE	0	575
VGO	0	0
OTHERS [#]	139	1760
TOTAL EXPORT	4062	37415

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 November 2020 (P)



- Exports of POL products decreased by 33.7% and 14.2% during November 2020 and April-November 2020 respectively as compared to the corresponding period of the previous year. Decrease in POL products exports during April-November 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), liquefied petroleum gas (LPG), bitumen and superior kerosene oil (SKO).