

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

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

October 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

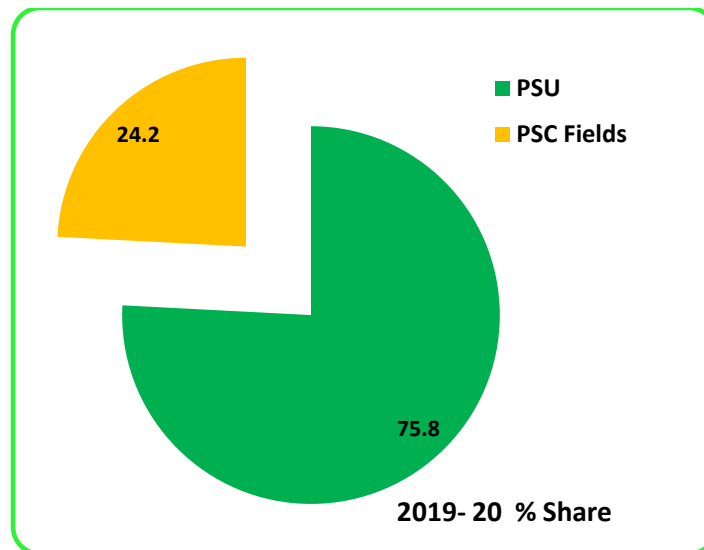
- Indigenous crude oil and condensate production during October 2020 and April – October 2020 was lower by 6.2 % and 6.1% respectively as compared to the corresponding period of the previous year.
- Crude oil processed in refineries during October 2020 was 18.4 MMT, which was 16.1 % lower than October 2019. On cumulative basis total crude oil processed was 118.6 MMT which was lower by 19.7 % during April – October 2020 as compared to April – October 2019.
- Production of petroleum products saw a de-growth of 17.0 % and 16.4 % respectively during October 2020 and April – October 2020 over the corresponding period of the previous year.
- Crude oil imports decreased by 21.6 % and 20.2 % during October 2020 and April - October 2020 respectively as compared to the corresponding period of the previous year.
- POL products imports decreased by 53.1% and 6.4% during October 2020 and April - October 2020 respectively as compared to the corresponding period of the previous year. Decrease in POL products imports during April - October 2020 was due to decrease in imports of Motor Spirit (MS), Naphtha, High Speed Diesel (HSD), LOBS/ Lube Oil and Pet Coke.
- Exports of POL products decreased by 35.7% and 11% during October 2020 and April - October 2020 respectively as compared to the corresponding period of the previous year. Decrease in POL products exports during April - October 2020 was due to decrease in exports of all major POL products except HSD and LOBS/Lube Oil.

Part A: Production

2. Indigenous crude oil and condensate production

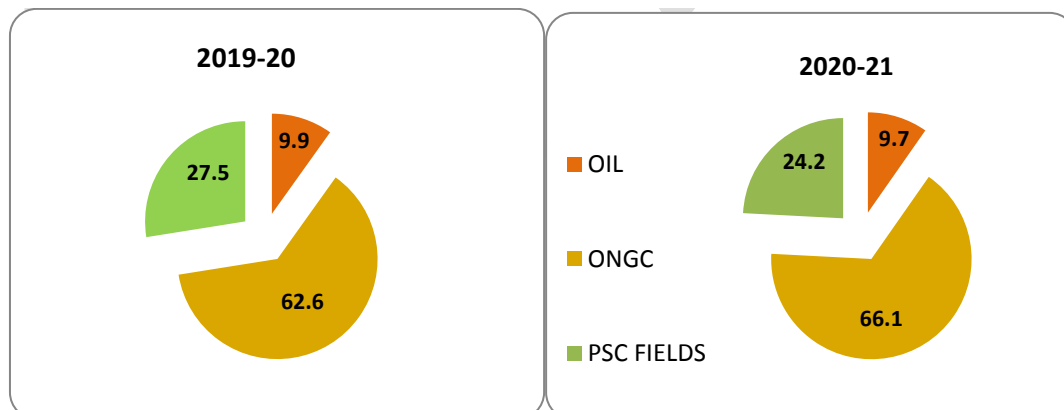
- The percentage share of PSU upstream companies and PSC fields in overall crude oil and condensate production during April – October 2020 ^(P) is shown in figure-1 below:

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



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

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



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

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

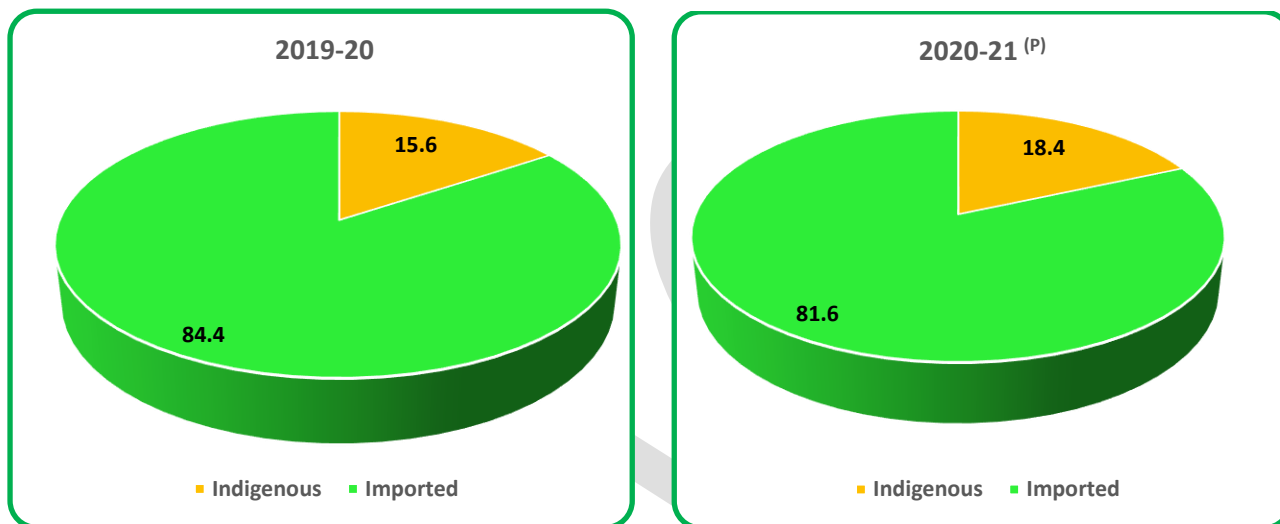


Figure-4; Percentage share of indigenous and imported crude oil processed by Private refineries: April-October

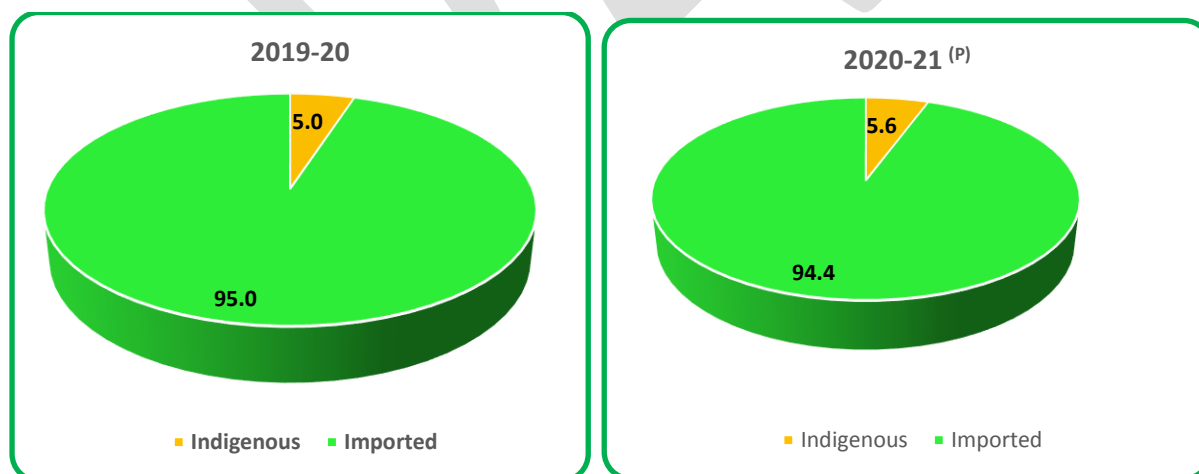


Table-1; High sulphur crude oil processed as percentage of total crude oil processed

	October		April – October	
	2019-20	2020-21 ^(P)	2019-20	2020-21 ^(P)
	Qty. in MMT			
High sulphur crude (HS)	16.7	13.5	109.8	86.5
Low sulphur crude (LS)	5.2	4.8	37.8	32.0
Total crude processed	21.9	18.4	147.7	118.6
% share of HS crude in total crude	76.4%	73.6%	74.4%	73.0%

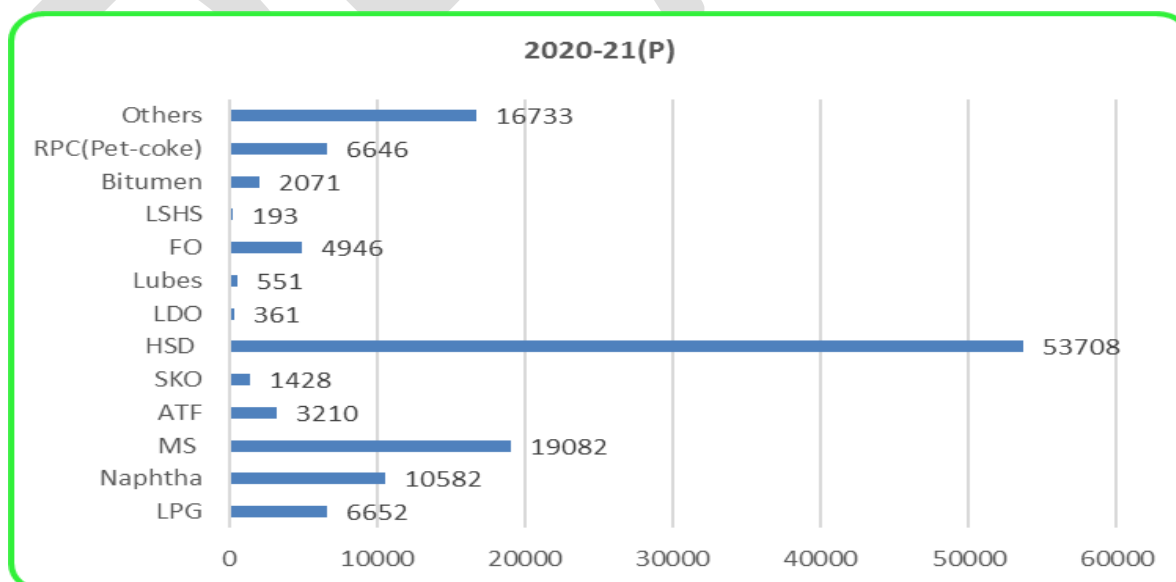
4. Production of Petroleum Products

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

Table-2; Production of petroleum products	
(Thousand Metric Tonnes)	
Products	October 2020 ^(P)
LPG	997
Naphtha	1566
MS	3147
ATF	548
SKO	173
HSD	8013
LDO	62
Lubes	102
FO	671
LSHS	37
Bitumen	421
RPC (Pet-coke)	852
Others	2287
Total	18877

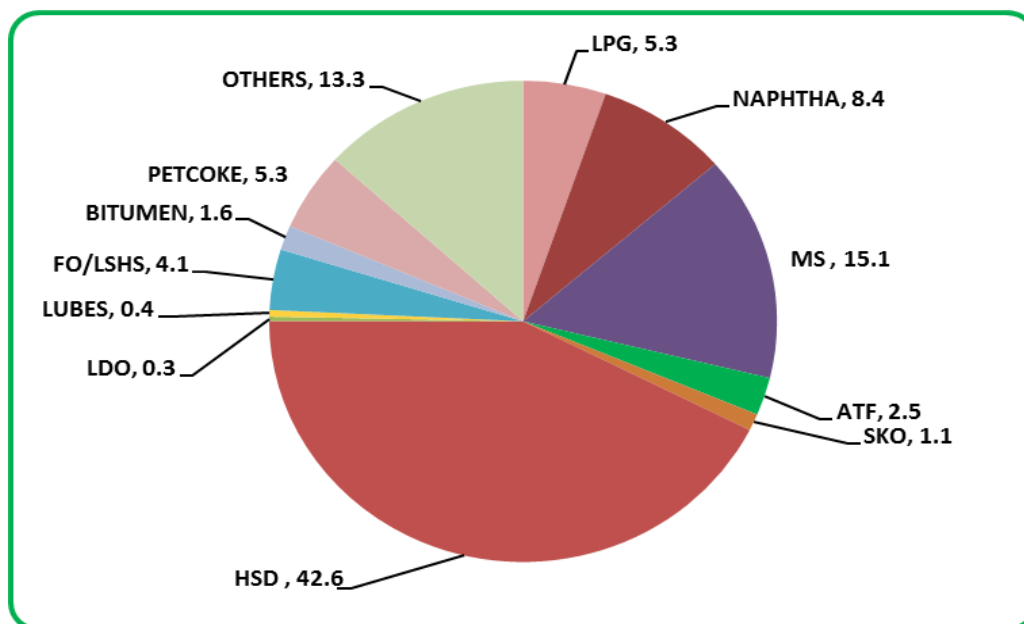
Note: (P): Provisional. Source: Oil Companies
 * Others include products like Propylene, solvents (Hexane, Benzene, Toluene, Xylene and Specialty solvents), Reformate, Mineral Turpentine Oil, Carbon Black Feedstock, Waxes, Sulphur etc.
 LPG: Liquefied petroleum gas, MS: Motor spirit, ATF: Aviation turbine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

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



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

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



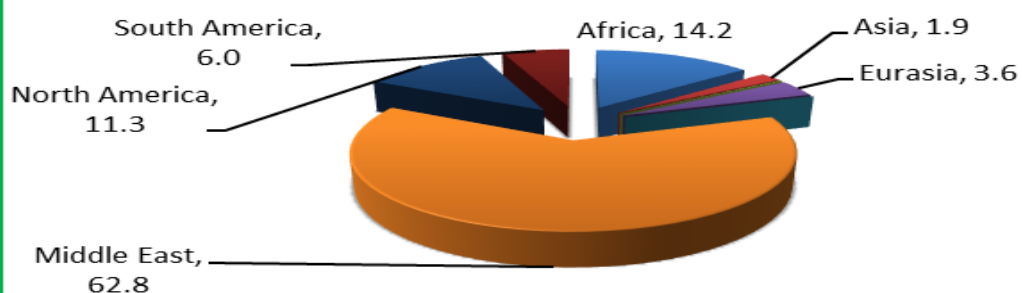
Part B: Import /Export

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	October ^(P)	April - October ^(P)
CRUDE OIL	15138	104349

Figure 7: Region wise percentage share(%) of crude oil during April - October 2020



- Crude oil imports decreased by 21.6 % and 20.2% during October 2020 and April - October 2020 respectively as compared to the corresponding period of the previous year.
- Crude oil imports from OPEC countries decreased to 77.1 % of total imports during April to October 2020 as compared to 78.7% during April to October 2019.

5.b Import Petroleum Products

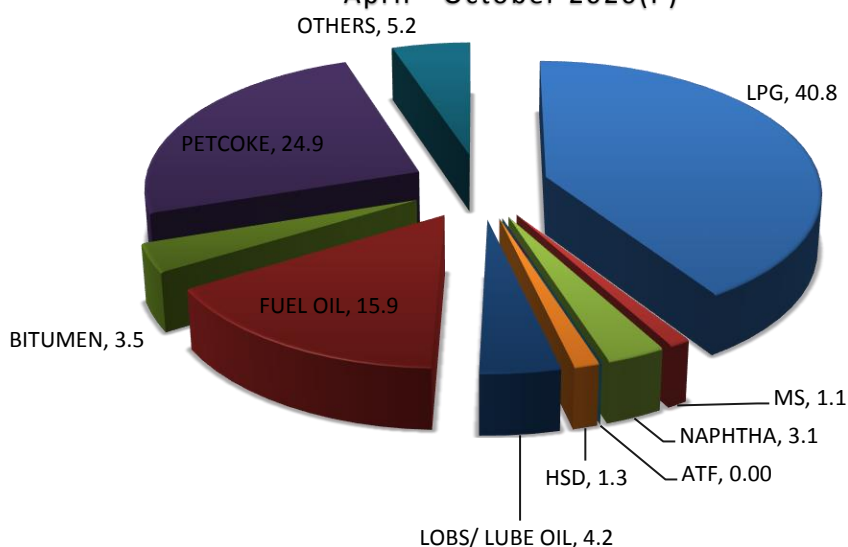
Details of import of petroleum products given in Table-4 below:

Table-4; Import of Petroleum products		
(Thousand Metric Tonnes)		
Product	October ^(P)	April - October ^(P)
LPG	1416	9355
MS/ Petrol	71	254
NAPHTHA	0	703
ATF	0	0
HSD	0	301
LOBS/LUBE OIL	9	961
FUEL OIL	154	3654
BITUMEN	0	805
PETCOKE	0	5716
OTHERS [§]	4	1186
TOTAL IMPORTS	1653	22935

*"Notes: (P): Provisional. Source: Oil Companies & DGCIS
July – October 2020 private import (POL) quantity prorated based on 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 - October 2020(P)



- Imports made due to deficit in production viz. LPG and Lubes/LOBS accounted for 45.0% share of total POL products import during April – October 2020 as compared to 41.0 % during April – October 2019.
- Import of petcoke accounted for 24.9 % of the total POL imports during April – October 2020. The entire quantity was imported by private importers and mainly by cement industry.

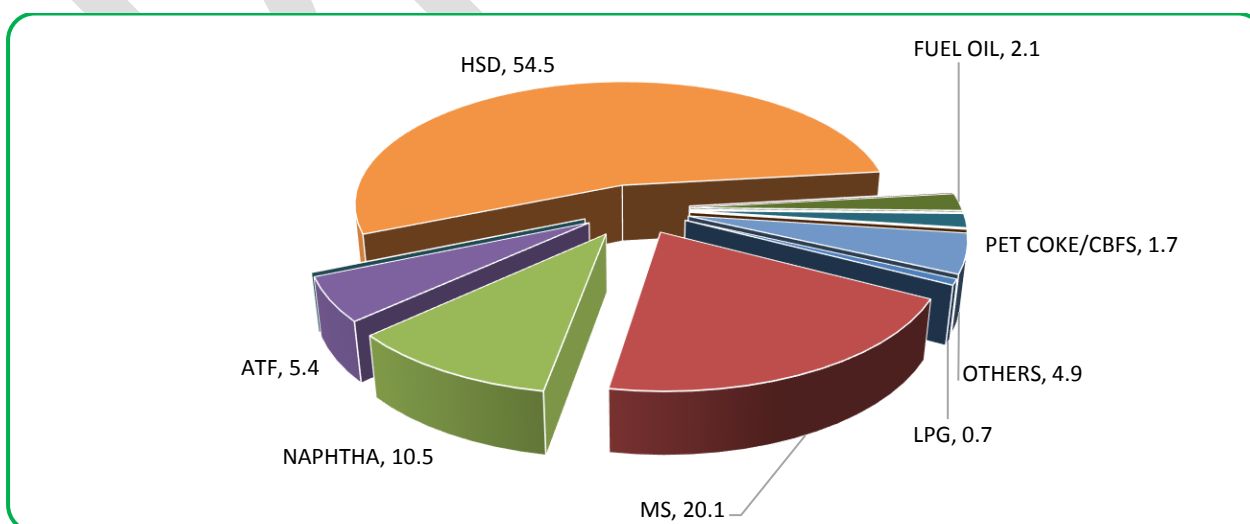
5.c Export of Petroleum Products

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

Table-5 Export of major Petroleum products		
<i>(Thousand Metric Tonnes)</i>		
Product	October ^(P)	April - October ^(P)
LPG	36	238
MS	797	6694
Naphtha	284	3503
ATF	176	1807
SKO	2	6
HSD	2373	18177
LDO	0	0
LOBS/LUBE OIL	1	12
FUEL OIL	82	714
BITUMEN	2	4
PETCOKE	0	575
VGO	0	0
OTHERS [#]	87	1622
TOTAL EXPORT	3840	33353

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 October 2020 (P)



- Exports of POL products decreased by 35.7% and 11% during October 2020 and April - October 2020 respectively as compared to the corresponding period of the previous year. Decrease in POL products exports during April - October 2020 was due to decrease in exports of all major POL products except HSD and LOBS/Lube Oil.

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