

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

&

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

September 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

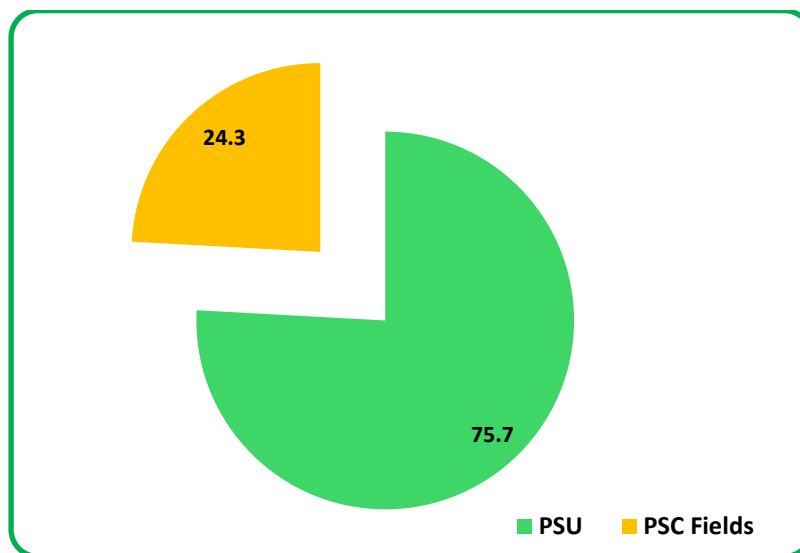
- Indigenous crude oil and condensate production during September 2020 and April – September 2020 was lower by 6% and 6.1% respectively as compared to the corresponding period of the previous year.
- Crude oil processed in refineries during September 2020 was 17.7 MMT, which was 8.8% lower than September 2019. On cumulative basis total crude oil processed was 100.2 MMT which was lower by 20.3% during April – September 2020 as compared to April – September 2019.
- Production of petroleum products saw a de-growth of 9.5% and 16.3% respectively during September 2020 and April – September 2020 over the corresponding period of the previous year.
- Crude oil imports decreased by 9.8% and 20.0% during September 2020 and April - September 2020 respectively as compared to the corresponding period of the previous year.
- POL products imports decreased 14.5% during September 2020 and increased by 1.4% during April - September 2020 respectively as compared to the corresponding period of the previous year. Increase in POL products imports during April - September 2020 was due to increase in imports of Fuel Oil (FO), liquified petroleum gas (LPG) and bitumen.
- Exports of POL products decreased by 27.1% and 6.3% during September 2020 and April - September 2020 respectively as compared to the corresponding period of the previous year. Decrease in POL products exports during April - September 2020 was due to decrease in exports of motor spirit (MS), naphtha, aviation turbine fuel (ATF), fuel oil (FO), liquified petroleum gas (LPG), vacuum gas oil (VGO), superior kerosene oil (SKO) and bitumen.

Part A: Production

2. Indigenous crude oil and condensate production

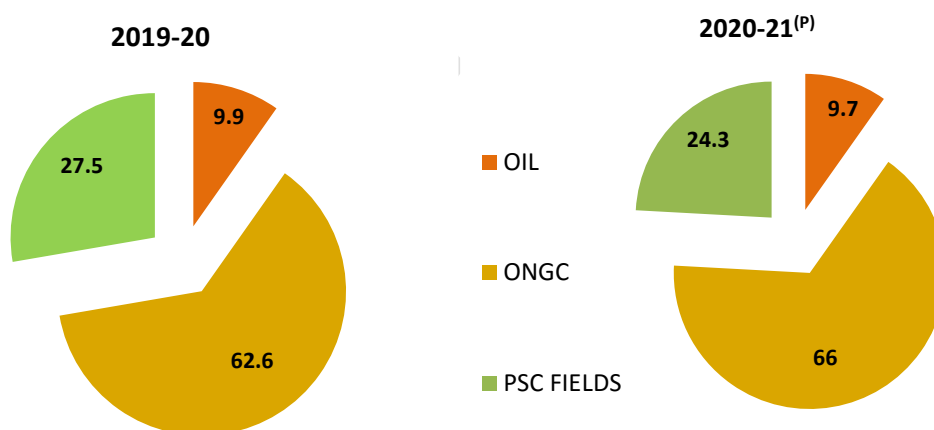
- The percentage share of PSU upstream companies and PSC fields in overall crude oil and condensate production during April – September 2020 ^(P) is shown in figure-1 below:

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



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

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

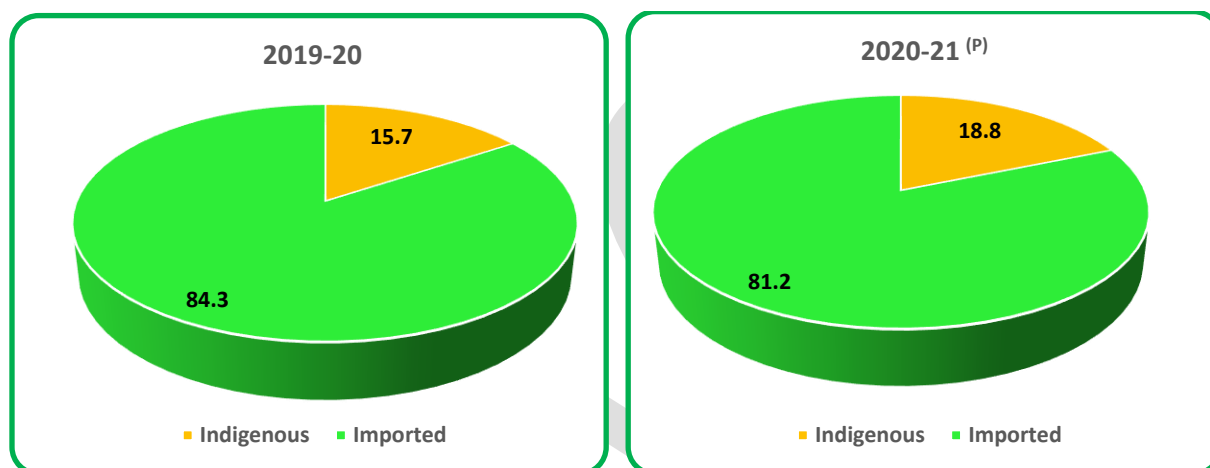


Figure-4; Percentage share of indigenous and imported crude oil processed by Private refineries: April- September

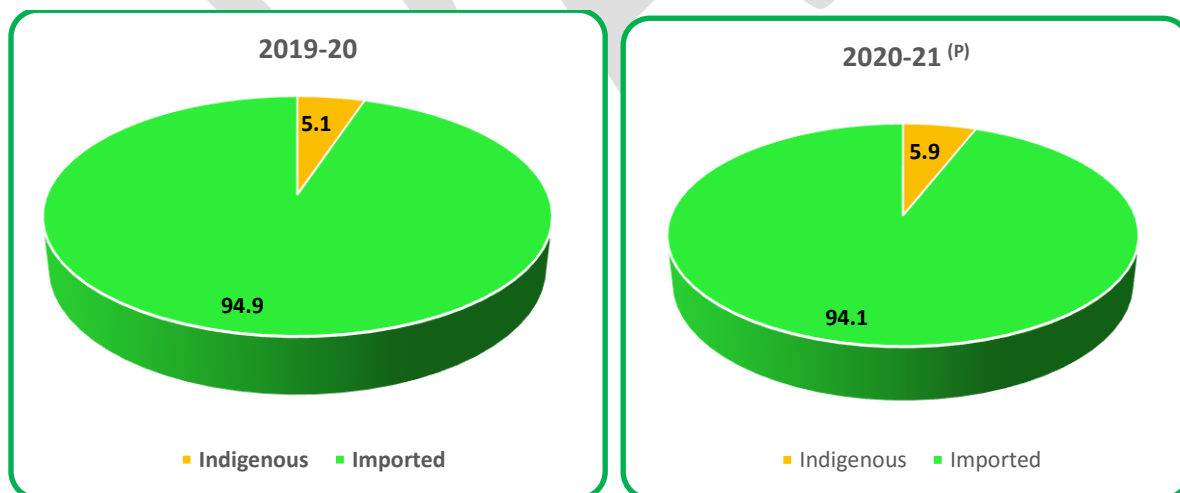


Table-1; High sulphur crude oil processed as percentage of total crude oil processed

	September		April – September	
	2019-20	2020-21 ^(P)	2019-20	2020-21 ^(P)
	Qty. in MMT			
High sulphur crude (HS)	14.3	13.2	93.1	73.0
Low sulphur crude (LS)	5.2	4.5	32.7	27.2
Total crude processed	19.4	17.7	125.7	100.2
% share of HS crude in total crude	73.4%	74.4%	74.0%	72.9%

Note: RIL DTA indigenous crude processing in Sep'2020 is prorated average of April-September 2020

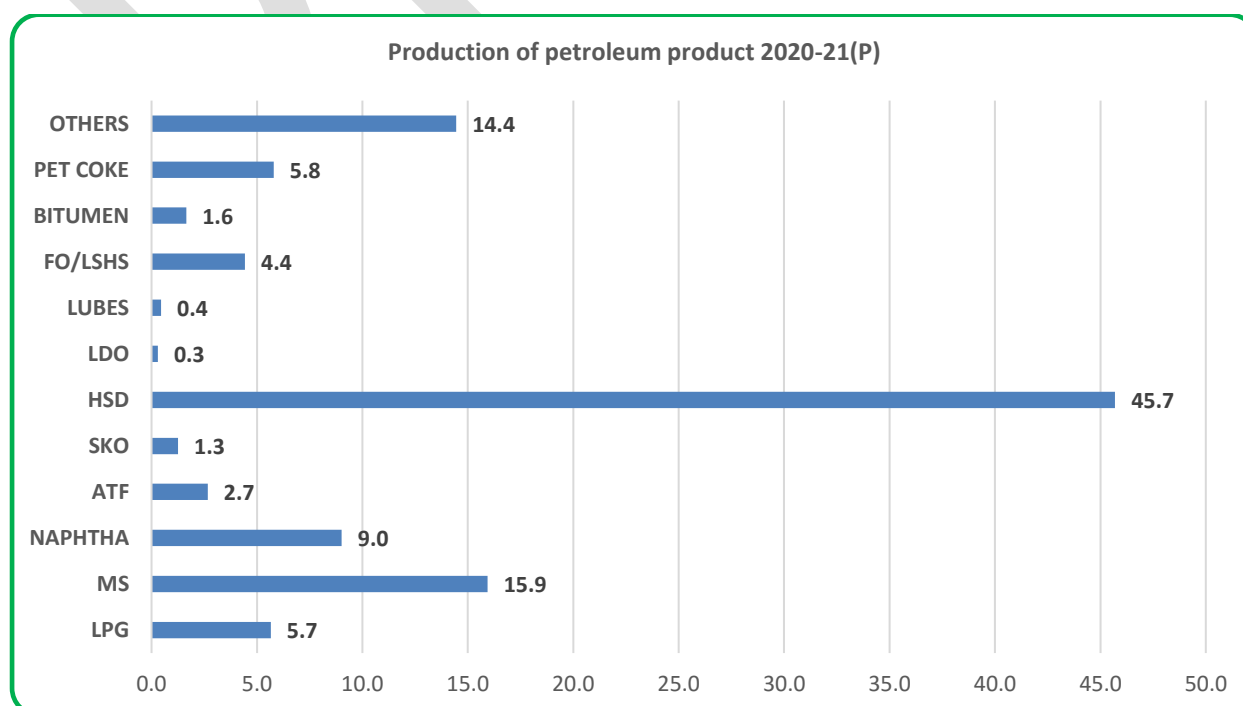
4. Production of Petroleum Products

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

Table-2; Production of petroleum products	
(Thousand Metric Tonnes)	
Products	September 2020 ^(P)
LPG	923
Naphtha	1511
MS	2989
ATF	501
SKO	184
HSD	7598
LDO	47
Lubes	100
FO	663
LSHS	28
Bitumen	276
RPC(Pet-coke)	911
Others	2270
Total	18001

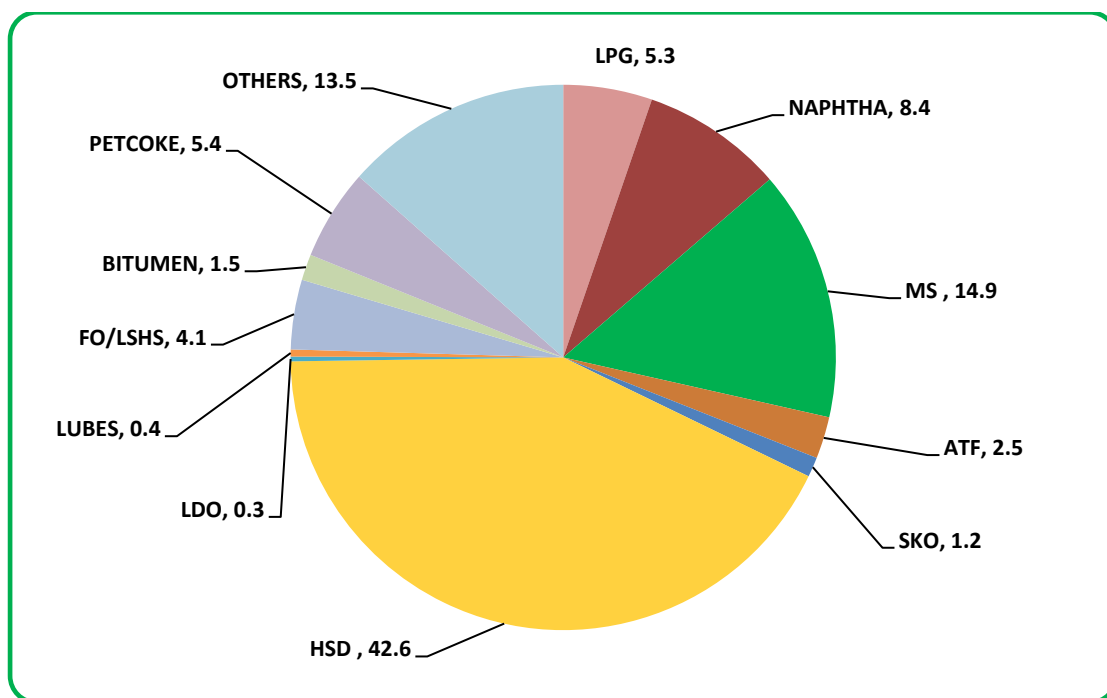
Note: (P): Provisional. Source: Oil Companies
 * Others include products like Propylene, solvents (Hexane, Benzene, Toluene, Xylene and Specialty solvents), Reformate, Mineral Turpentine Oil, Carbon Black Feedstock, Waxes, Sulphur etc.
 LPG: Liquefied petroleum gas, MS: Motor spirit, ATF: Aviation turbine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

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



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

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



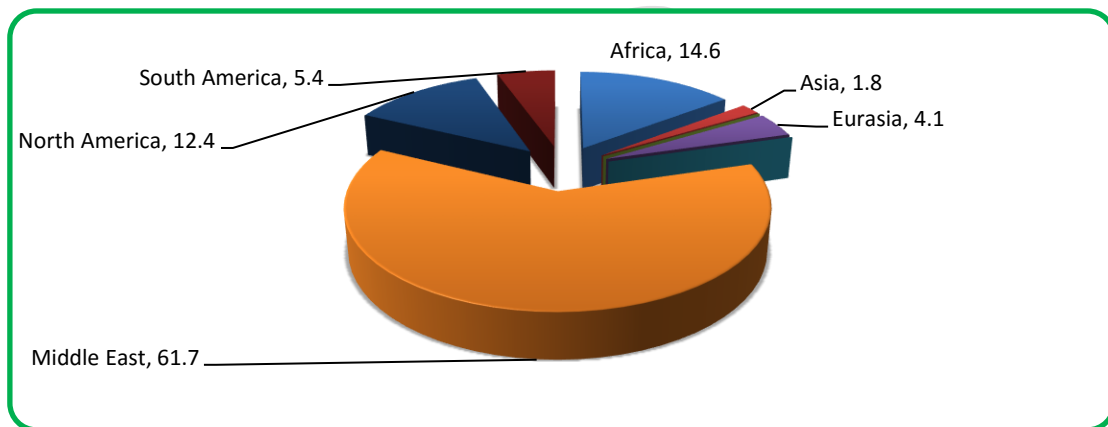
Part B: Import /Export

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	September 2020 (P)	April to September 2020 (P)
Crude Oil	15180	89210

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



- Crude oil imports decreased by 9.8% and 20.0% during September 2020 and April - September 2020 respectively as compared to the corresponding period of the previous year.
- Crude oil imports from OPEC countries decreased to 76.0% of total imports during April to September 2020 as compared to 79.4% during April to September 2019.

5.b Import Petroleum Products

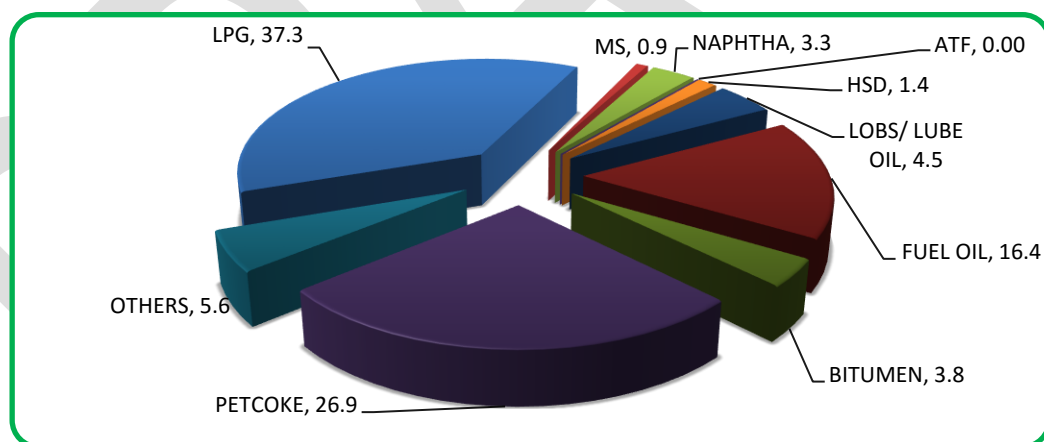
Details of import of petroleum products given in Table-4 below:

Table-4; Import of Petroleum products		
(Thousand Metric Tonnes)		
Product	September 2020 (P)	April to September 2020 (P)
LPG	1643	7939
MS/ Petrol	75	183
NAPHTHA	110	703
ATF	0	0
HSD	10	301
LOBS/LUBE OIL	187	953
FUEL OIL	276	3500
BITUMEN	137	805
PETCOKE	854	5716
OTHERS\$	156	1182
TOTAL IMPORTS	3449	21282

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



- Imports made due to deficit in production viz. LPG and Lubes/LOBS accounted for 41.8% share of total POL products import during April-September 2020 as compared to 39.3% during April-September 2019.
- Import of petcoke accounted for 26.9% of the total POL imports during April-September 2020. The entire quantity was imported by private importers and mainly by cement industry.

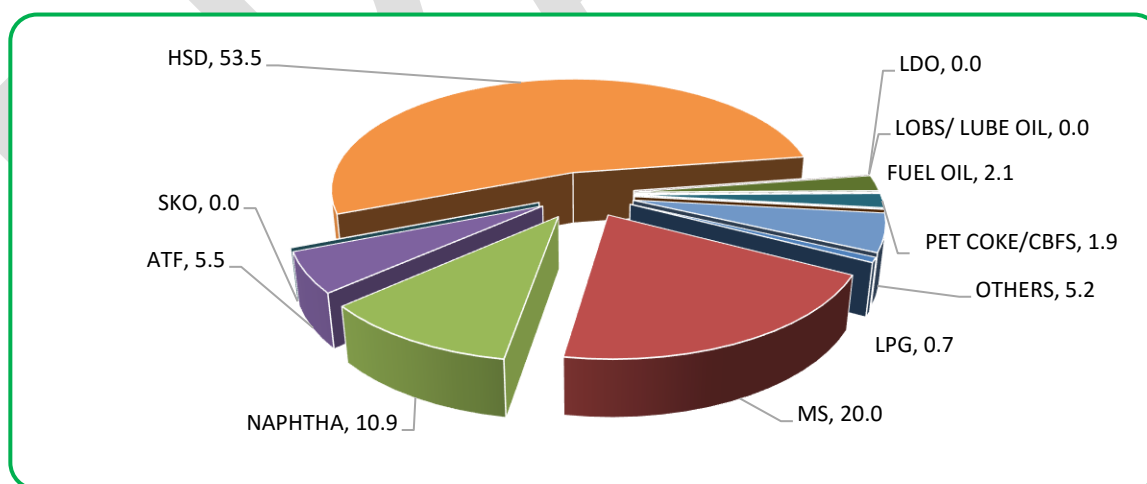
5.c Export of Petroleum Products

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	39	202
MS	984	5897
Naphtha	609	3220
ATF	267	1631
SKO	1	4
HSD	2673	15804
LDO	0	0
LOBS/LUBE OIL	1	12
FUEL OIL	21	633
BITUMEN	2	2
PETCOKE	6	575
VGO	0	0
OTHERS#	198	1534
TOTAL EXPORT	4799	29513

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 2020 (P)



- Exports of POL products decreased by 27.1% and 6.3% during September 2020 and April - September 2020 respectively as compared to the corresponding period of the previous year. Decrease in POL products exports during April - September 2020 was due to decrease in exports of motor spirit (MS), naphtha, aviation turbine fuel (ATF), fuel oil (FO), liquefied petroleum gas (LPG), vacuum gas oil (VGO), superior kerosene oil (SKO) and bitumen.

PPAC