

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

**&**

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

**October 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.

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## Highlights

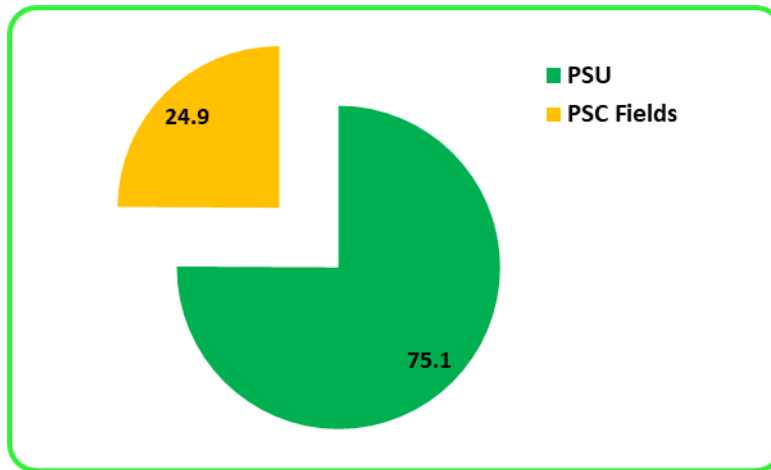
- Indigenous crude oil and condensate production during October 2021 and April – October 2021 was lower by 2.2 % and 2.8 % respectively as compared to the corresponding period of the previous year.
- Crude oil processed during October 2021 was 21.0 MMT, which was 14.0 % higher than October 2020. On cumulative basis total crude oil processed was 134.24 MMT which was higher by 13.2 % during April – October 2021 as compared to April – October 2020.
- Production of petroleum products saw a growth of 14.4 % and 11.7 % during October 2021 and April – October 2021 respectively over the corresponding period of the previous year.
- Crude oil imports increased by 11.1% and 13.3% during October 2021 and April-October 2021 respectively as compared to the corresponding period of the previous year.
- POL products imports increased by 28% and decreased by 1.2% during October 2021 and April-October 2021 respectively as compared to the corresponding period of the previous year. Decrease in POL products imports during April-October 2021 was due to decrease in imports of petcoke, high speed diesel (HSD), superior kerosene oil (SKO) and aviation turbine fuel (ATF).
- Exports of POL products increased by 37.9% and 4.6% during October 2021 and April-October 2021 respectively as compared to the corresponding period of the previous year. Increase in POL products exports during April-October 2021 was due to increase in exports of all products except LOBS/Lube oil and petcoke/CBFS.

## Part A: Production

## 2. Indigenous crude oil and condensate production

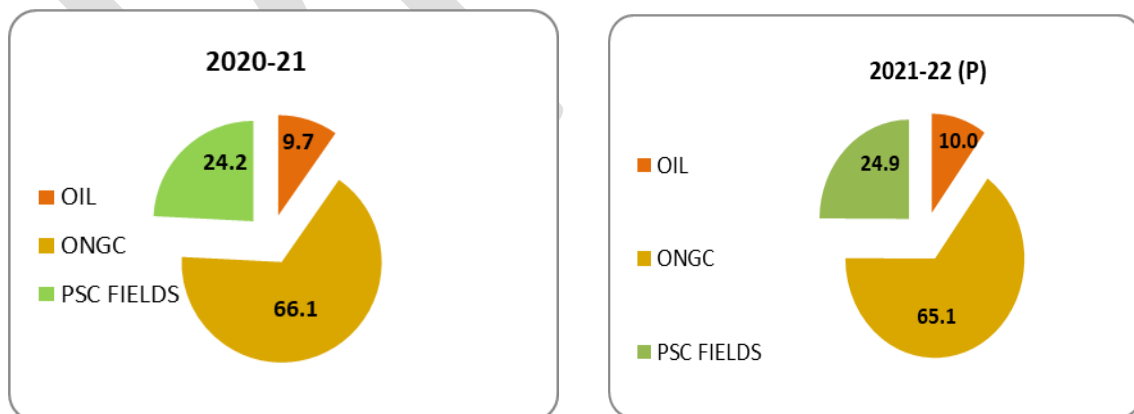
- The percentage share of PSU upstream companies and PSC fields in overall crude oil and condensate production during April – October 2021 <sup>(P)</sup> is shown in figure-1 below:

Figure-1; Percentage share in crude oil and condensate production; April – October 2021 <sup>(P)</sup>



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

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

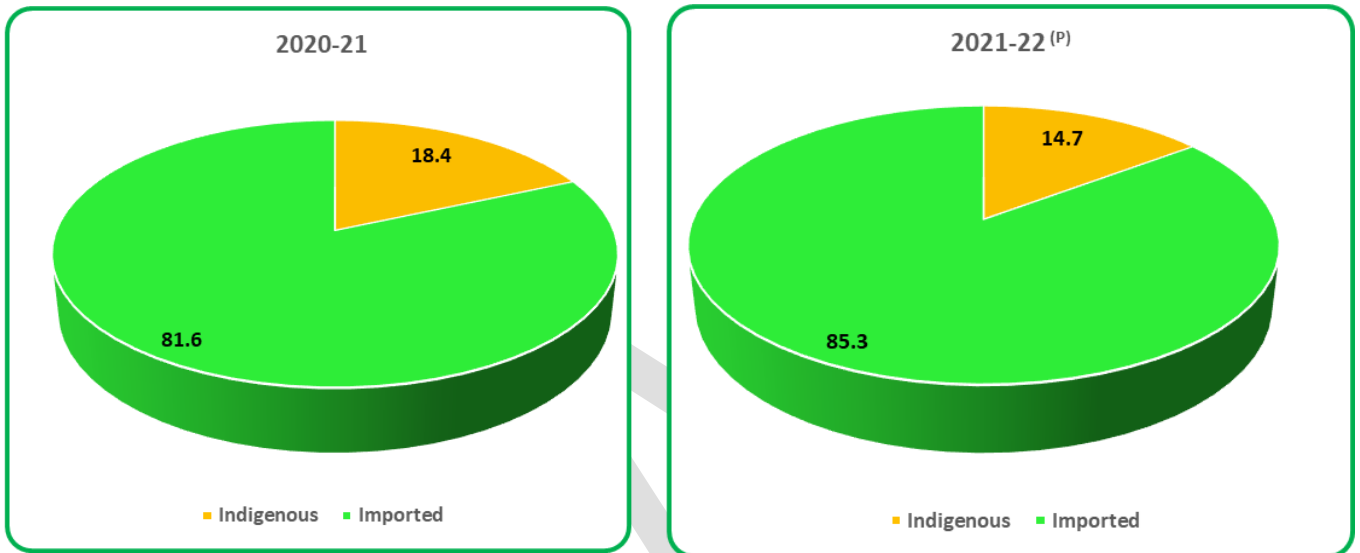


### 3. Crude oil processing by Oil Companies

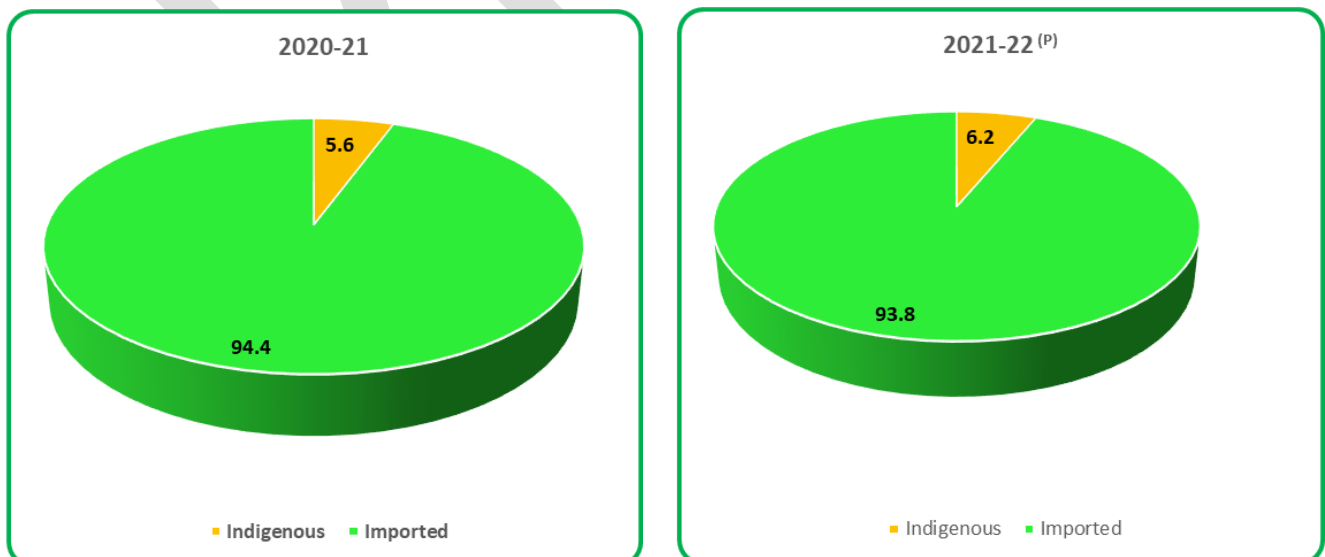
- **Analysis of crude oil processing by refineries:**

Analysis of type of crude oil processed (i.e. indigenous, imported and low sulphur & high sulphur) in Indian refineries during April – October 2021 and April – October 2020 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	
	2020-21	2021-22 (P)	2020-21	2021-22 (P)
	Qty. in MMT			
High sulphur crude (HS)	13.6	16.1	86.6	101.2
Low sulphur crude (LS)	4.8	4.9	31.9	33.0
Total crude processed	<b>18.4</b>	<b>21.0</b>	<b>118.4</b>	<b>134.2</b>
% share of HS crude in total crude processed	<b>73.9%</b>	<b>76.8%</b>	<b>73.1%</b>	<b>75.4%</b>

#### 4. Production of Petroleum Products

Details of production of petroleum products by refineries and fractionators during October 2021<sup>(P)</sup> are given in Table-2.

**Table-2; Production of petroleum products**

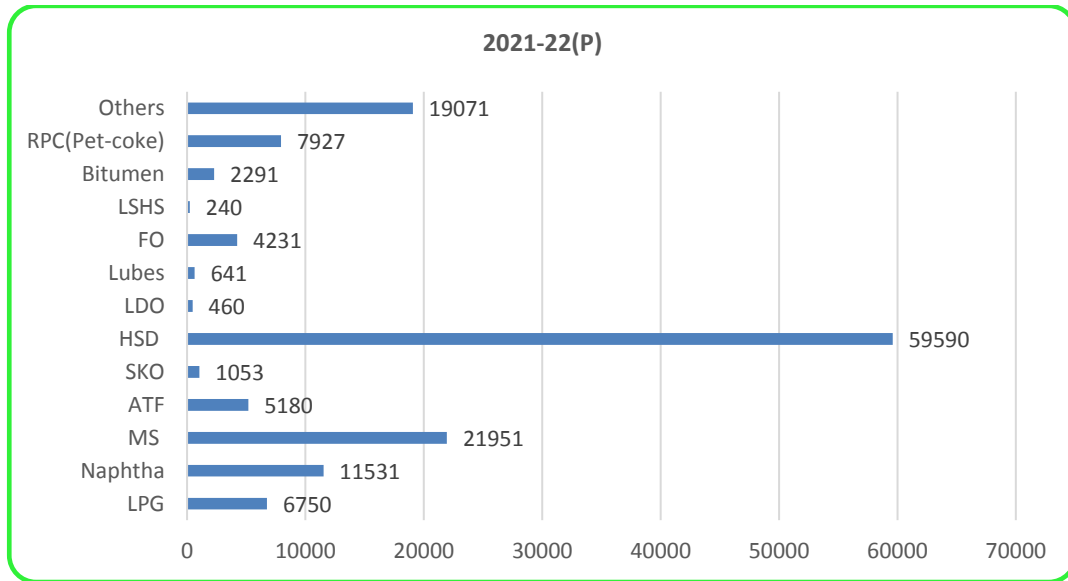
		(Thousand Metric Tonnes)
Products		October 2021 <sup>(P)</sup>
LPG		1004
Naphtha		1741
MS		3447
ATF		942
SKO		112
HSD		9129
LDO		66
Lubes		110
FO		581
LSHS		47
Bitumen		378
RPC(Pet-coke)		1236
Others		2797
<b>Total</b>		<b>21590</b>

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.

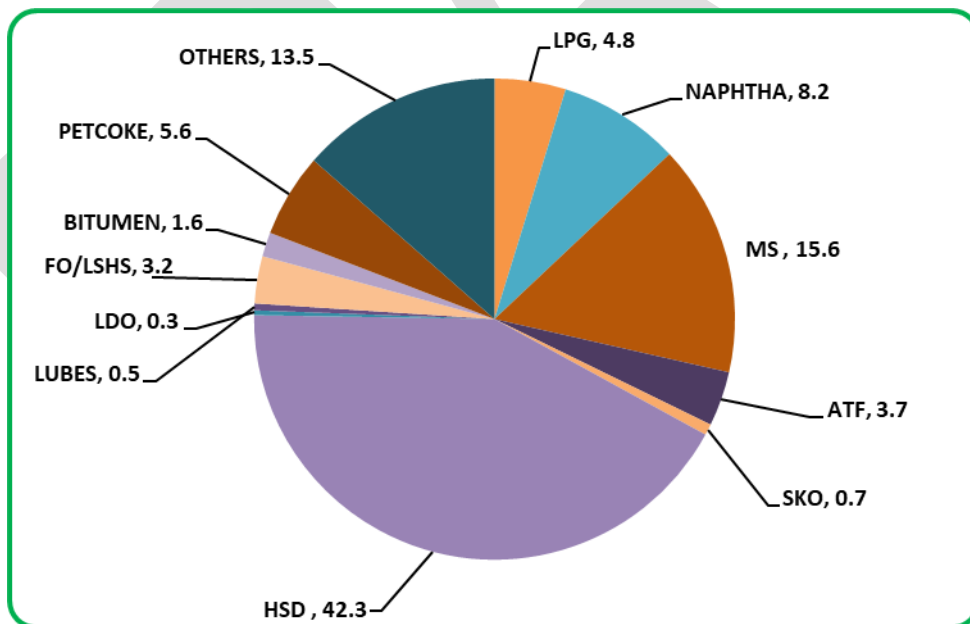
LPG: Liquefied petroleum gas, MS: Motor spirit, ATF: Aviation turbine fuel; SKO: Superior kerosene oil, HSD: High speed diesel;

**Figure-5; Product wise production of POL products by refineries and fractionators: April – October 2021 <sup>(P)</sup>**



The percentage share of various products in total POL production during April – October 2021 is shown below:

**Figure-6; Percentage share of products in total POL production: April – October 2021 <sup>(P)</sup>**



## Part B: Import /Export

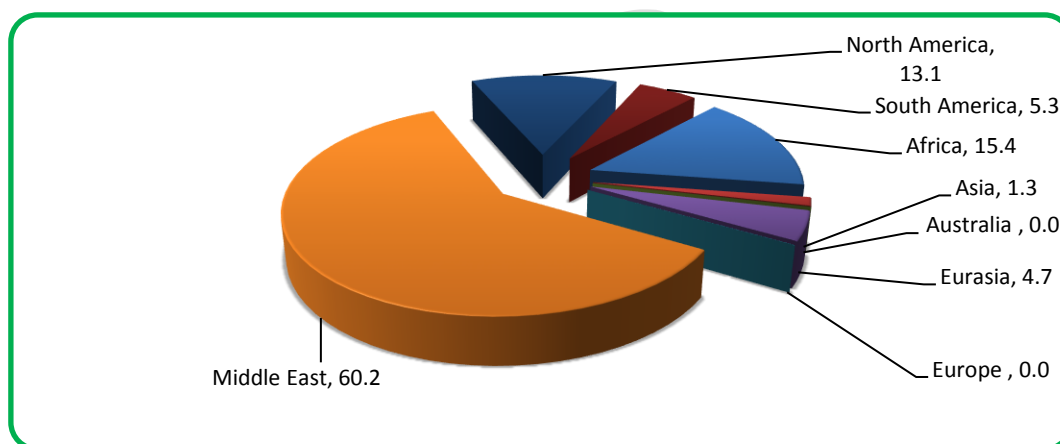


## 5.a Import of Crude oil

Details of import of crude oil given in Table-3 below:

Table-3; Import of Crude oil		
<i>(Thousand Metric Tonnes)</i>		
Import	October 2021 <sup>(P)</sup>	April to October 2021 <sup>(P)</sup>
Crude Oil	17085	118520

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



- Crude oil imports increased by 11.1% and 13.3% during October 2021 and April-October 2021 respectively as compared to the corresponding period of the previous year.
- Crude oil imports from OPEC countries decreased to 69.8% of total imports during April-October 2021 as compared to 75.1% during April- October 2020.

## 5.b Import Petroleum Products

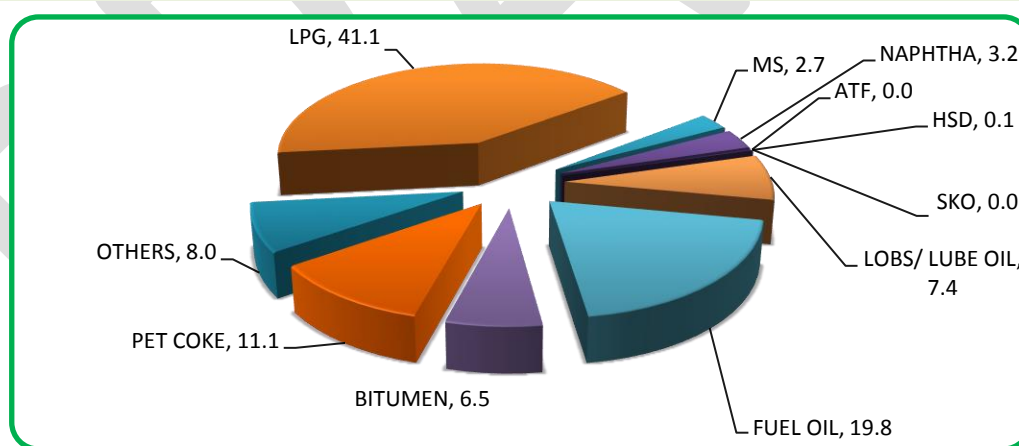
Details of import of petroleum products given in Table-4 below:

Table-4; Import of Petroleum products		
(Thousand Metric Tonnes)		
Product	October 2021 <sup>(P)</sup>	April to October 2021 <sup>(P)</sup>
LPG	1606	9788
MS/ Petrol	413	642
NAPHTHA	98	771
ATF	0	0
SKO	0	0
HSD	7	32
LOBS/LUBE OIL	262	1762
FUEL OIL	714	4718
BITUMEN	201	1538
PETCOKE	459	2653
OTHERS§	336	1897
<b>TOTAL IMPORTS</b>	<b>4095</b>	<b>23801</b>

Notes: (P): Provisional. Source: Oil Companies & DGCIS  
 # Private imports are prorated for the period Aug-2021 to Oct-2021 on the basis of actual data received from DGCIS for the period Aug-2020 to Jul-2021

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

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



- Imports made due to deficit in production viz. LPG and Lubes/LOBS accounted for 48.5% share of total POL products import during April-October 2021 as compared to 44.3% during April-October 2020.
- Import of petcoke accounted for 11.1% of the total POL imports during April-October 2021. The entire quantity was imported by private importers and mainly by cement industry.

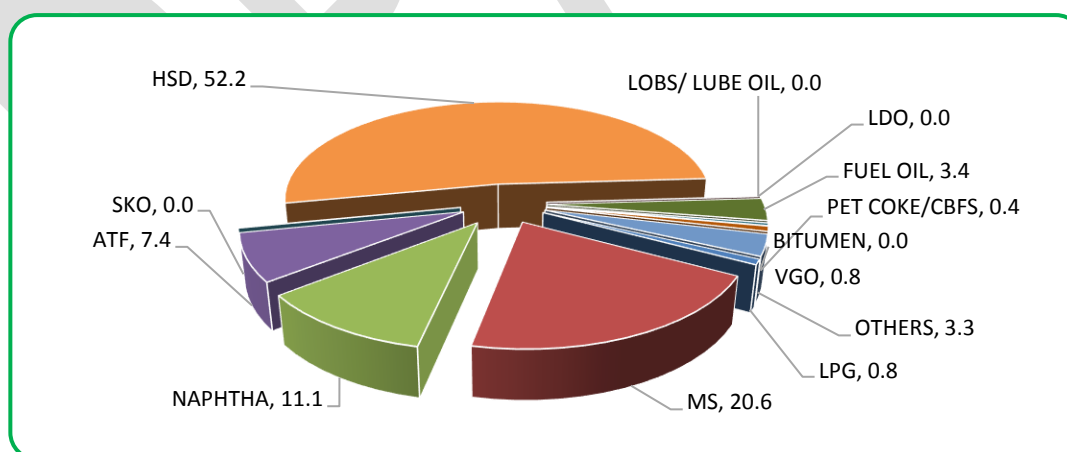
## 5.c Export of Petroleum Products

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

Table-5 Export of major Petroleum products		
<i>(Thousand Metric Tonnes)</i>		
Product	October 2021 <sup>(P)</sup>	April to October 2021 <sup>(P)</sup>
LPG	44	287
MS	1005	7174
Naphtha	551	3883
ATF	453	2585
SKO	1	8
HSD	2894	18210
LDO	0	0
LOBS/LUBE OIL	0	2
FUEL OIL	111	1204
BITUMEN	4	6
PETCOKE	42	127
VGO	52	266
OTHERS <sup>#</sup>	138	1151
<b>TOTAL EXPORT</b>	<b>5296</b>	<b>34905</b>

Note: (P): Provisional. Source: Oil Companies  
<sup>#</sup> 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 October 2021 (P)



- Exports of POL products increased by 37.9% and 4.6% during October 2021 and April-October 2021 respectively as compared to the corresponding period of the previous year. Increase in POL products exports during April-October 2021 was due to increase in exports of all products except LOBS/Lube oil and petcoke/CBFS.