

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

**&**

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

**September 2019**



**Petroleum Planning & Analysis Cell**

(Ministry of Petroleum & Natural Gas)

1. In this report, indigenous crude oil production, imports and processing as well as production and imports/exports of petroleum products by oil companies are analyzed monthly to assess the domestic availability of petroleum products in the country for consumption.

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### Highlights

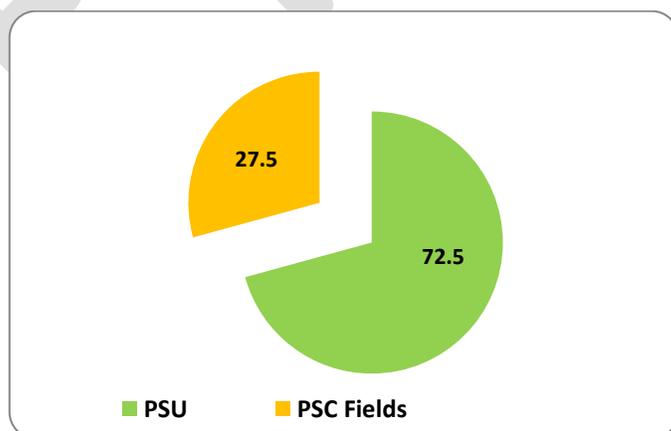
- Indigenous crude oil and condensate production during September 2019 and April – September 2019 was lower by 5.4% and 6% respectively as compared to the corresponding period of the previous year.
- Total crude oil processed during September 2019 was 19.4 MMT, which was 6.9% lower than September 2018. On cumulative basis total crude oil processed was 125.7 MMT which was lower by 2.3% during April – September 2019 as compared to the corresponding period of the previous year.
- Production of petroleum products saw a de-growth of 6.7% and 2% during September 2019 and April – September 2019 respectively over the corresponding period of the previous year.
- Crude oil imports decreased by 6.2% and 1.3% during September 2019 and April – September 2019 respectively as compared to the same period of the previous year.
- POL products imports increased by 76.2% and 30.8% during September 2019 and April – September 2019 respectively as compared to the same period of the previous year. Increase in POL products imports during April – September 2019 was due to increase in imports of all products except naphtha and ATF.
- Exports of POL products increased by 11% and 3% during September 2019 and April – September 2019 as compared to the same period of the previous year. Increase in POL products exports during April - September 2019 was due to increase in exports of all products except ATF, fuel oil and petcoke /CBFS.

## 2. Indigenous crude oil and condensate production

- Production of indigenous crude oil and condensate of 2647 TMT in September 2019 registered a de-growth of 5.4% as compared to September 2018. Total indigenous production during April - September 2019 (16372 TMT) was a 6% degrowth over the corresponding period of the previous year.
- OIL's crude oil production in September 2019 was lower by 5.4% as compared to the production during September 2018. OIL's crude oil production registered a de-growth of 4.2% during April - September 2019 over the corresponding period of the previous year.
- In case of ONGC, crude oil and condensate production in September 2019 was lower by 2.6% as compared to September 2018. De-growth of 4% in production was recorded during April - September 2019 over the corresponding period of the previous year.
- Indigenous crude oil and condensate production under PSC fields decreased by 11.4% during September 2019 as compared to September 2018. On cumulative basis production from PSC fields during April - September 2019 was 10.7% lower than the crude oil and condensate production during April - September 2018.

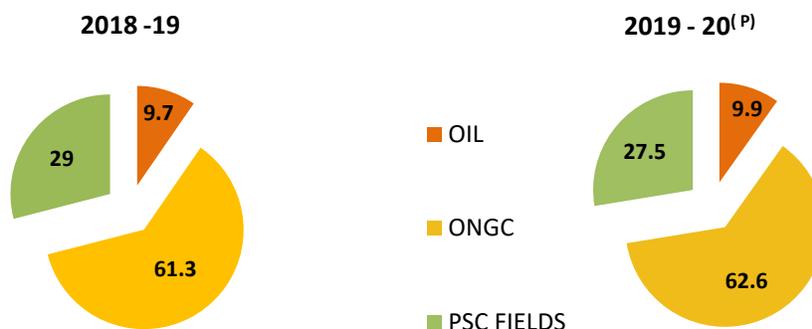
The percentage share of PSU upstream companies and PSC fields in overall crude oil and condensate production during April - September 2019 <sup>(P)</sup> is shown in figure-1 below:

**Figure-1; Percentage share in crude oil and condensate production; April - September 2019<sup>(P)</sup>**



- The percentage share of ONGC and OIL in total crude oil and condensate production increased while the share of PSC fields decreased during April - September 2019 over the corresponding period of the previous year. The comparison is shown in figure-2 below:

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



### 3. Crude oil processing by Oil Companies

- Total crude oil processed by Indian refineries was 19.4 MMT during September 2019 and 125.7 MMT during April - September 2019.
- Crude oil processed was lower by 6.9% and 2.3% respectively during September 2019 and April – September 2019 over the corresponding period of the previous year.
- Refineries processed 73.4% of high sulphur crudes during September 2019 as compared to 75.9% in September 2018. During April - September 2019, 73.9% high sulphur crudes were processed as compared to 76.3% during April - September 2018.
- Based on processing of indigenous crude oil/condensate and the country's domestic POL consumption, self-sufficiency of petroleum products was 16.9% in September 2019 against 16.8% during September 2018. During April - September 2019 self-sufficiency was 15.5% against 16.7% during the corresponding period of the previous year.

## 4. Production of Petroleum Products

Details of production of petroleum products by refineries and fractionators are given in Table-1.

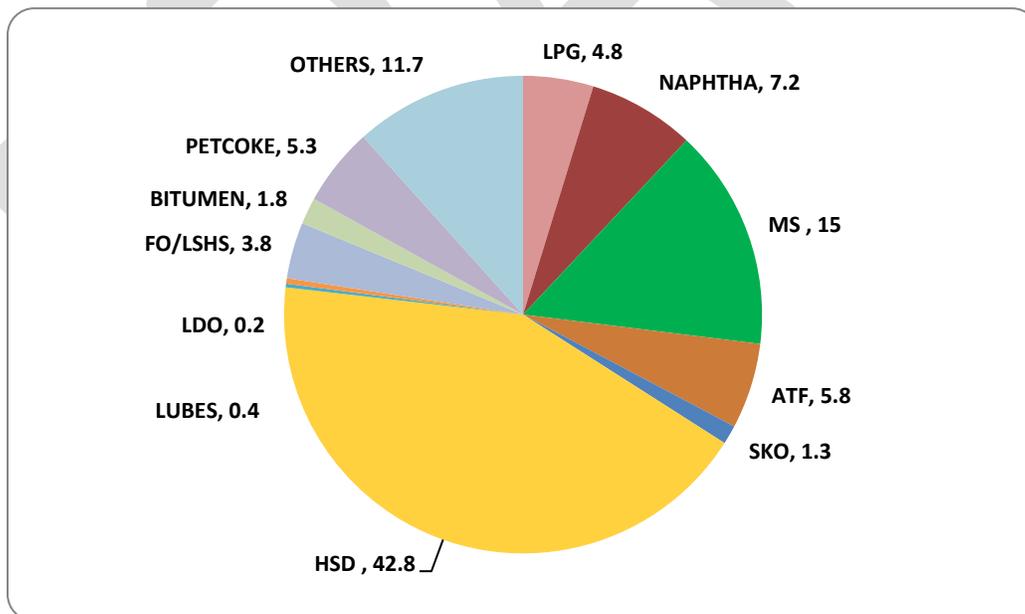
<b>Table-1; Production of petroleum products</b>		
<i>(Thousand Metric Tonnes)</i>		
<b>Products</b>	<b>September 2019 <sup>(P)</sup></b>	<b>April – September 2019<sup>(P)</sup></b>
LPG	976	6092
Naphtha	1590	9268
MS	2970	19184
ATF	1252	7429
SKO	210	1638
HSD	8199	54818
LDO	66	316
Lubes	86	472
FO	965	4695
LSHS	19	184
Bitumen	255	2309
RPC(Pet-coke)	1114	6787
Others	2187	14928
<b>Total</b>	<b>19889</b>	<b>128121</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.*

- Production of petroleum products from refineries and fractionators decreased by 6.7% and 2% respectively during September 2019 and April – September 2019 over the corresponding period of the previous year.
- LPG production registered a de-growth of 2% and 3.2% respectively during September 2019 and April – September 2019 over the corresponding period of the previous year.
- Naphtha production registered a de-growth of 9.1% and 5.9% respectively during September 2019 and April – September 2019 over the corresponding period of the previous year.
- MS BS-VI production increased to 130 TMT during September 2019 from 26 TMT in September 2018. The cumulative production during April - September 2019 also increased to 623 TMT from 330 TMT during April - September 2018.

- HSD BS-VI production increased to 255 TMT during September 2019 from 31 TMT in September 2018. The cumulative production during April - September 2019 also increased to 1230 TMT from 451TMT during April - September 2018.
- FO production increased by 6.8% during September 2019. However de-growth of 0.8% was registered during April – September 2019 over the corresponding period of the previous year.
- Bitumen production registered a growth of 1.8% during September 2019 over September 2018. However de-growth of 6.5% was registered during April – September 2019 over the corresponding period of the previous year.
- Pet-coke production decreased by 5.7% and 4.7% respectively during September 2019 and April – September 2019 over the corresponding period of the previous year.
- The percentage share of various products in total POL production during April – September 2019 is shown in figure-3 below:

**Figure-3; Percentage share of POL products in production; April – September 2019<sup>(P)</sup>**



LPG, MS, ATF, SKO and HSD accounted for 69.6% of total POL production during April – September 2019.

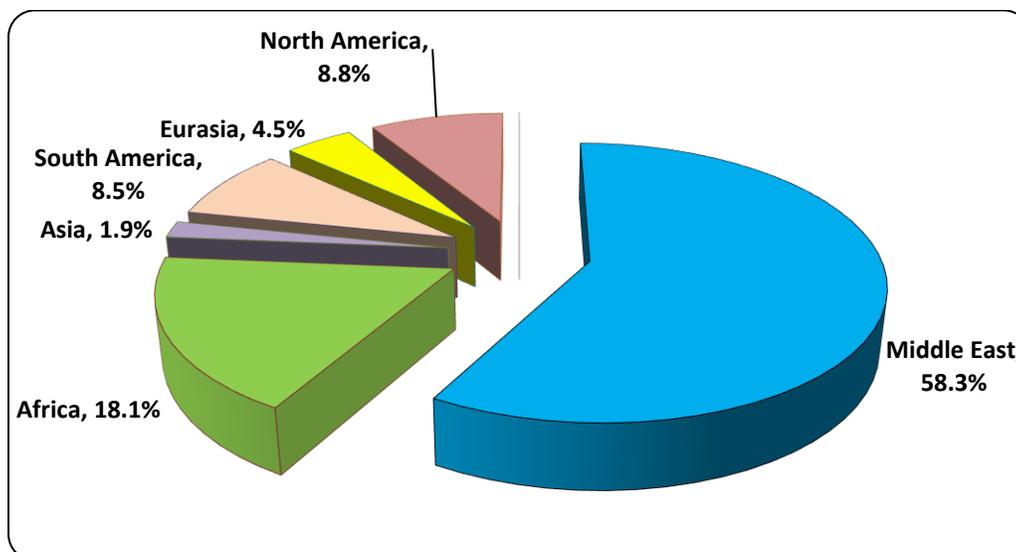
## 5. Import of Crude oil and Petroleum Products

Details of import of crude oil and petroleum products are given in Table-2 below:

<b>Table-2; Import of Crude oil and Petroleum products</b>		
<i>(Thousand Metric Tonnes)</i>		
<b>Import</b>	<b>September 2019<sup>(P)</sup></b>	<b>April – September 2019<sup>(P)</sup></b>
<b>Crude oil</b>	<b>16821</b>	<b>111400</b>
<b>Products #</b>		
LPG	1592	6922
MS/ Petrol	409	1256
Naphtha	169	898
ATF	13	91
HSD	138	1084
LOBS/Lube oil	209	1315
Fuel Oil	366	1218
Bitumen	86	641
Petcoke	775	5596
Others <sup>§</sup>	285	1778
<b>Total</b>	<b>4041</b>	<b>20799</b>
<i>Notes: (P): Provisional. Source: Oil Companies &amp; DGCIS</i>		
<i># August-September 2019 private import (POL) quantity prorated on the basis of August 2018-July 2019 actual data provided by DGCIS.</i>		
<i>§ Others include SKO, Paraffin wax, Petroleum Jelly, Aviation Gas, MTBE, Reformate etc.</i>		

- Crude oil imports decreased by 6.2% and 1.3% during September 2019 and April – September 2019 respectively as compared to the same period of the previous year.
- Crude oil imports from OPEC countries decreased to 79.4% of total imports during April – September 2019 as compared to 82.8% during April – September 2018.
- Crude oil imports by PSU/JV decreased by 14.2% and 2.9% during September 2019 and April – September 2019 respectively over the corresponding period of the previous year.
- Crude oil imports by private companies increased by 6.6% and 1.4% during September and April – September 2019 respectively over the corresponding period of the previous year.
- Region wise crude oil import share during April – September 2019 is given in figure-4.

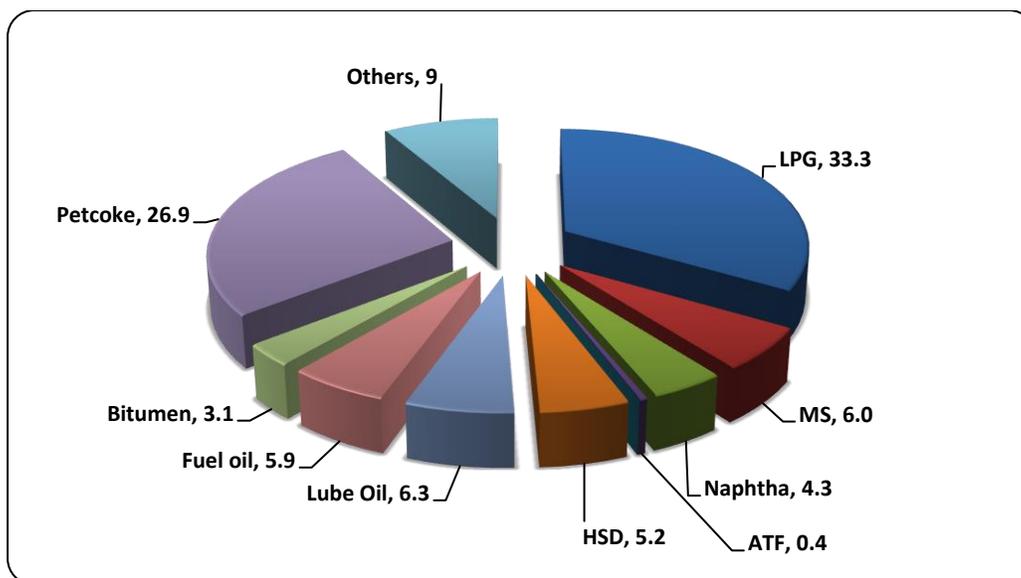
Figure-4; Region wise percentage share of crude oil imports; April – September 2019<sup>(P)</sup>



- POL products imports increased by 76.2% and 30.8% during September 2019 and April – September 2019 respectively as compared to the same period of the previous year. Increase in POL products imports during April – September 2019 was due to increase in imports of all products except naphtha, ATF and “others” category.
- Imports of LPG and pet-coke accounted for 58.6% share of the total petroleum product imports during September 2019, while LPG alone accounted for 39.4% of total POL imports. Further, 94.7% of total LPG imports were from the Middle Eastern region during April – September 2019.
- Imports of 409 TMT of MS was done during September 2019 as compared to 44 TMT during September 2018.
- Imports of naphtha increased by 5.4% during September 2019 as compared to September 2018.
- Import of 138 TMT of HSD was done during September 2019 as compared to 2 TMT of HSD import during September 2018.
- Imports of LOBS/lube oil increased by 28.8% during September 2019 as compared to September 2018.
- Imports of fuel oil increased to 366 TMT during September 2019 as compared to 55 TMT during September 2018.

- The percentage share of all major products in the imports of the country during April – September 2019 is shown in figure-5.

Figure-5; Percentage share of petroleum products in imports; April – September 2019<sup>(P)</sup>



## 6. Export of Petroleum Products

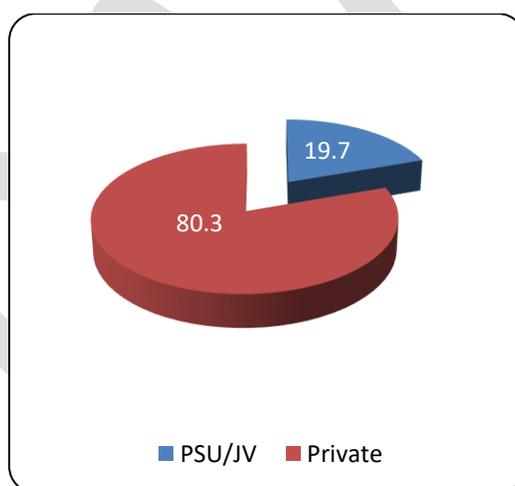
The details of export of petroleum products are given in Table-3 below:

Table-3; Export of major Petroleum products		
<i>(Thousand Metric Tonnes)</i>		
Product	September 2019 <sup>(P)</sup>	April – September 2019 <sup>(P)</sup>
LPG	40	217
MS	1133	6439
Naphtha	780	3973
ATF	720	3409
SKO	2	11
HSD	3476	14786
LDO	0	0
LOBS/Lube oil	1	4
Fuel Oil	365	968
Bitumen	2	15
Pet Coke	0	442
VGO	55	281
Others <sup>#</sup>	164	1097
<b>Total Export</b>	<b>6738</b>	<b>31643</b>

Note: (P): Provisional. Source: Oil Companies  
<sup>#</sup> Other include Benzene, Hexane, MTO, Paraffin wax, Polypropylene, Sulphur etc.

- Exports of POL products increased by 11% and 3% during September 2019 and April – September 2019 as compared to the same period of the previous year. Increase in POL products exports during April - September 2019 was due to increase in exports of all products except ATF, fuel oil and petcoke /CBFS.
- MS exports decreased by 3% during September 2019 but increased by 1.8% during April – September 2019 over the corresponding period of the previous year.
- HSD exports increased by 23.6% and 4.7% during September 2019 and April – September 2019 respectively over the corresponding period of the previous year.
- Percentage share of POL exports by PSU/JV and private oil companies during April – September 2019 is given in figure -6.

**Figure-6; Percentage share of PSU/JV and private oil companies in POL exports; April – September 2019<sup>(P)</sup>**



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