

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

**&**

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

**September 2018**



**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 on a monthly basis 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 2018 was lower by 4.2% than that of September 2017. PSC fields registered growth of 1.7% during September 2018 as compared to September 2017 while ONGC and OIL registered de-growth of 7.2 % and 0.9% respectively. During April-September 2018 de-growth of 3.4% was registered in indigenous crude oil and condensate production over April-September 2017.
- Total crude oil processed during September 2018 was 20.9 MMT, an increase of 1.3% over September 2017. Total crude processed during April-September 2018 was higher by 5% as compared to April-September 2017.
- Production of petroleum products during September 2018 saw a growth of 2.6% over September 2017. On cumulative basis an increase of 6.6% was registered in the total production of petroleum products during April-September 2018 over the corresponding period of the previous year.
- Crude oil imports during September 2018 and April-September 2018 increased by 2.1% and 5.8% respectively as compared to the same period of the previous year.
- Product imports increased by 17.8% and decreased by 5.5% during September 2018 and April-September 2018 respectively over the corresponding period of the previous year. Increase in POL product imports during September 2018 was due to increase in imports of LPG and MS. Decrease in POL product imports during April-September 2018 was due to decrease in imports of HSD and Petcoke.
- Exports of products decreased by 3% and 6.3% during September 2018 and April-September 2018 respectively over the corresponding period of the previous year. Decrease in exports during April-September 2018 was mainly due to decrease in exports of MS, naphtha, fuel oil and VGO.

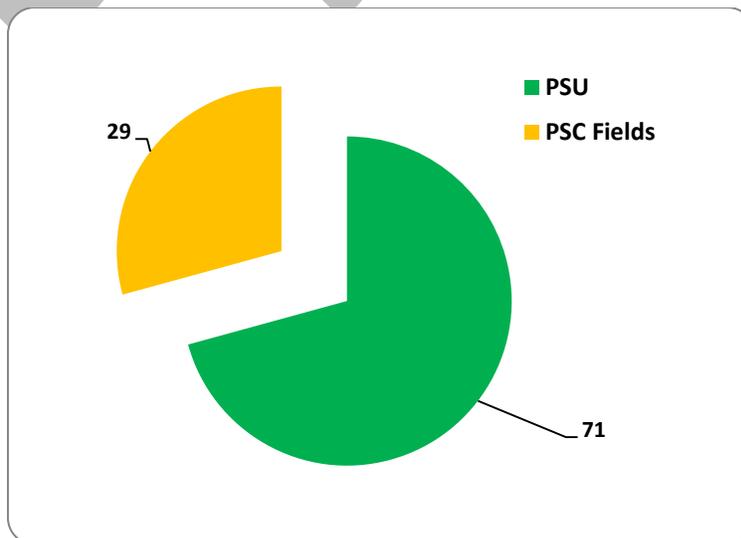
## 2. Indigenous crude oil and condensate production

2.1. Production of indigenous crude oil and condensate registered a de-growth of 4.2% during September 2018 as compared to September 2017 and a de-growth of 3.4% during April-September 2018 as compared to April-September 2017.

- OIL's crude oil production in September 2018 was lower by 0.9% as compared to the production during September 2017. OIL's crude oil production registered a de-growth of 0.5% during April-September 2018 as compared to the corresponding period of the previous year.
- In case of ONGC, crude oil and condensate production in September 2018 was lower by 7.2% as compared to September 2017. De-growth of 5.5% in production was recorded during April-September 2018 vis a vis April-September 2017.
- Indigenous crude oil and condensate production under PSC fields increased by 1.7% during September 2018 as compared to September 2017. On cumulative basis the PSC fields production during April-September 2018 was 0.4% higher than the crude oil and condensate production during April-September 2017.

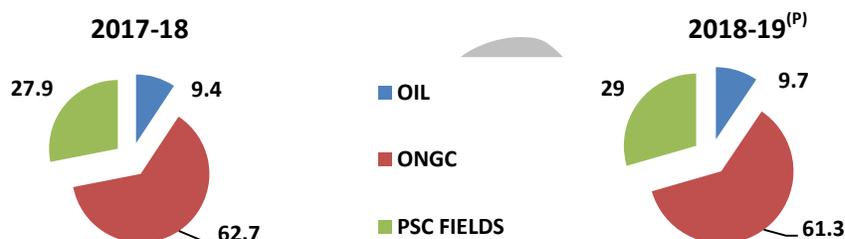
The percentage share of PSU upstream companies and PSC fields in overall crude oil and condensate production including condensate during April-September 2018<sup>(P)</sup> is shown in figure-1 below:

**Figure-1; Percentage share in crude oil and condensate production; April – September 2018<sup>(P)</sup>**



The percentage share of ONGC in overall crude oil production including condensate decreased during April-September 2018 as compared to April-September 2017 while the share of OIL marginally increased. PSC fields' share also increased during April-September 2018 as compared to April-September 2017. The comparison is shown in figure-2 below:

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



### 3. Crude oil processing by Oil Companies

3.1. Total crude oil processed by Indian refineries was 20.9 MMT during September 2018 and 128.7 MMT during April-September 2018.

- During September 2018 crude oil processed was higher by 1.3% over September 2017. During April-September 2018 crude oil processed was higher by 5% over the corresponding period of the previous year.
- Refineries processed 75.9% of high sulphur crudes during September 2018 as compared to 76.1% in September 2017. During April-September 2018, 76.3% high sulphur crudes were processed against 73.8% in the corresponding period of the previous year.
- Based on processing of indigenous crude oil/condensate and the country's domestic POL consumption, self-sufficiency of petroleum products was 16.3% in September 2018 against 16.7% during September 2017. During April-September 2018 self-sufficiency was 16.7% against 17.4% during the corresponding period of the previous year.

## 4. Production of Petroleum Products

4.1. Details of production of petroleum products are given in Table-1.

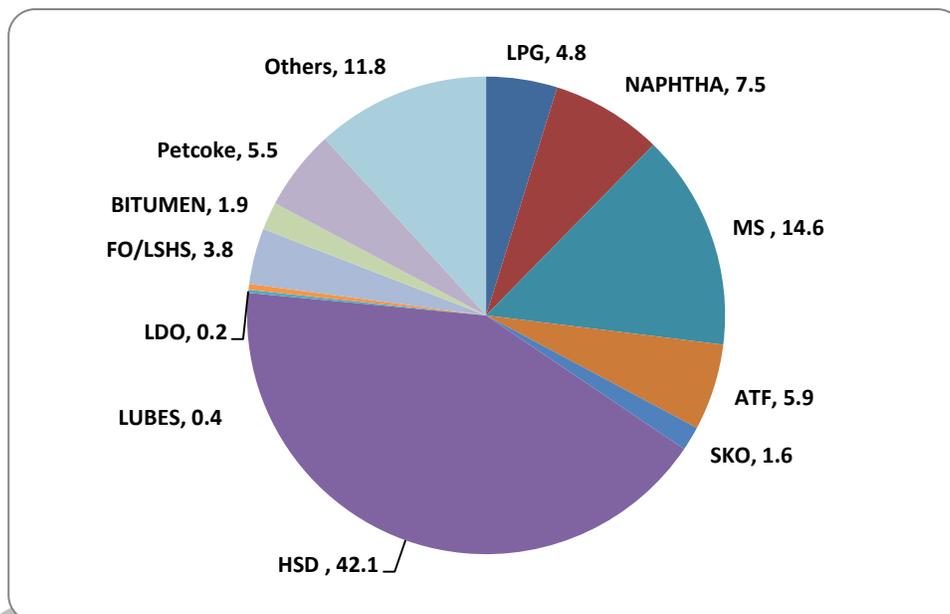
<b>Table-1; Production of petroleum products</b>		
<i>(Thousand Metric Tonnes)</i>		
<b>PRODUCTS</b>	<b>September 2018 <sup>(P)</sup></b>	<b>April – September 2018 <sup>(P)</sup></b>
LPG	996	6291
NAPHTHA	1750	9850
MS BS-IV	1879	11801
MS BS-VI	26	330
MS Others	1184	6983
ATF	1198	7651
SKO	362	2146
HSD BS-IV	5339	35063
HSD BS-VI	31	451
HSD Others	3307	19480
LDO	62	272
LUBES	70	514
FO	904	4735
LSHS	41	210
BITUMEN	250	2469
RPC(Petcoke)	1182	7131
Others	2725	15387
<b>TOTAL</b>	<b>21305</b>	<b>130763</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 increased by 2.6% in September 2018 and 6.6% in April-September 2018 over the corresponding period of the previous year.
- Naphtha and FO production registered a growth of 4.8% and 7.2% respectively during September 2018 as compared to September 2017. Naphtha production was almost at the same level whereas FO registered a de-growth of 10.8% during April – September 2018 over the corresponding period of the previous year.
- Bitumen registered a growth of 12.6% and 9.4 respectively during September 2018 and April – September 2018 over the corresponding period of the previous year.

- Petcoke production increased during September 2018 and April-September 2018 by 4.2% and 5.5% respectively over the corresponding period of the previous year as a result of operation of bottom upgradation units.
- The percentage share of various products in total POL production during April-September 2018 is shown in figure-3 below:

**Figure-3; Percentage share of POL products in production; April–September 2018<sup>(P)</sup>**



LPG, MS, ATF, SKO and HSD accounted for 69% of total POL production during April-September 2018.

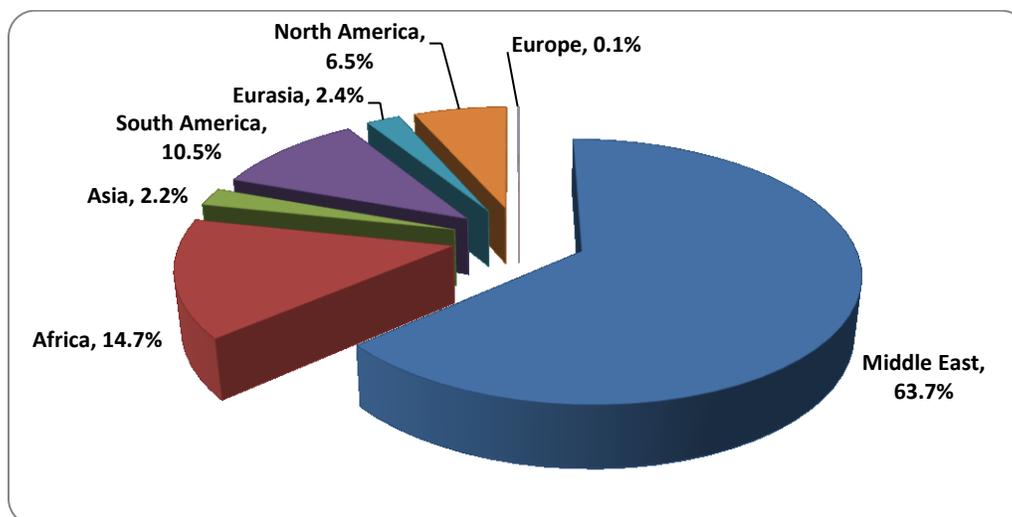
## 5. Import of Crude oil and Petroleum Products

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

Table-2; Import of Crude oil and Petroleum Products		
( Thousand Metric Tonnes )		
IMPORT	September 2018 <sup>(P)</sup>	April - September 2018 <sup>(P)</sup>
Crude oil	18019	112961
<b>PRODUCT #</b>		
LPG	1115	6230
MS/ Petrol	80	281
Naphtha	188	1208
ATF	24	138
HSD	7	207
LOBS/Lube oil	234	1357
Fuel Oil	71	875
Bitumen	80	456
Petcoke	902	4483
Others\$	187	1600
<b>TOTAL</b>	<b>2888</b>	<b>16835</b>
<i>"Notes: (P): Provisional. Source : Oil Companies</i>		
<i># DGCIS August and September 2018 quantity prorated on the basis of August 2017- July 2018 actual data provided by DGCIS."</i>		
<i>\$ Others include SKO, CBFS, Paraffin wax, Petroleum Jelly, LSWR , Aviation Gas etc.</i>		

- Crude oil imports during September 2018 and April–September 2018 increased by 2.1% and 5.8% respectively as compared to the same period of the previous year.
- Crude oil imports from OPEC countries decreased to 82.9% of total imports during April–September 2018 as compared to 84.0% during April- September 2017 with increased imports from non OPEC countries.
- Crude oil imports by PSU/JV increased by 10.5% and 11.1% during September 2018 and April- September 2018 respectively over the corresponding period of the previous year.
- Crude oil imports by private companies decreased by 9% and 2% during September 2018 and April–September 2018 respectively over the corresponding period of the previous year.
- Region wise crude oil import share during April–September 2018 is given in figure-4.

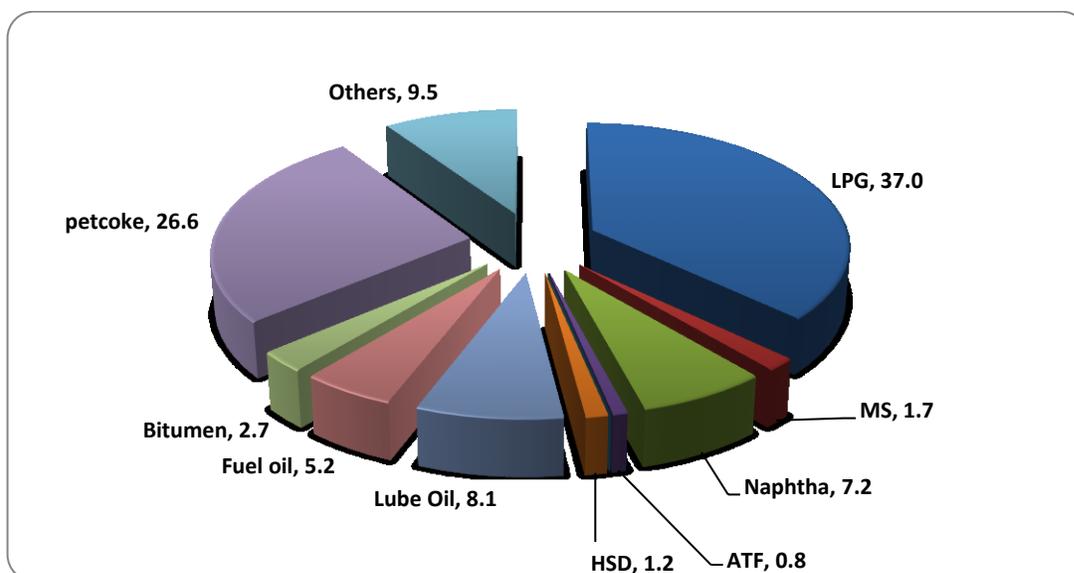
**Figure-4; Region wise percentage share of crude oil imports: April-September 2018<sup>(P)</sup>**



- Product imports increased by 17.8% and decreased by 5.5% during September 2018 and April-September 2018 respectively over the corresponding period of the previous year. Decrease in POL product imports during April-September 2018 was due to decrease in imports of HSD and Petcoke.
- Import of LPG and pet coke accounted for 69.9% share of the total petroleum product imports during September 2018, while LPG alone accounted for 38.6% of total POL imports. Further, 97.7% of total LPG imports were from the Middle Eastern region during September 2018.
- Petcoke imports, with a percentage share of 31.2% of total POL imports during September 2018, were mainly done by cement and steel industries as it is a cheap substitute for coal.
- Import of naphtha increased by 1.5% during September 2018 as compared to September 2017. Private sector accounted for 94.0% of the total naphtha imports during April- September 2018.

The percentage share of all major products in the imports of the country during April-September 2018 is shown in figure-5.

Figure-5; Percentage share of petroleum products in imports April- September 2018 <sup>(P)</sup>



## 6. Export of Petroleum Products

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

<i>( Thousand Metric Tonnes)</i>		
PRODUCT	September 2018 <sup>(P)</sup>	April - September 2018 <sup>(P)</sup>
LPG	33	196
MS	1168	6325
Naphtha	762	3772
ATF	651	3685
SKO	1	10
HSD	2813	14124
LDO	0	0
LOBS/Lube oil	1	3
Fuel Oil	325	981
Bitumen	5	10
Pet Coke	131	600
VGO	39	156
Others <sup>#</sup>	144	840
<b>TOTAL EXPORT</b>	<b>6072</b>	<b>30703</b>

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

- Exports of products decreased by 3.0% and 6.3% during September 2018 and April-September 2018 respectively over the corresponding period of the previous year. Decrease in exports during April-September 2018 was mainly due to decrease in exports of MS, naphtha, fuel oil and VGO.
- HSD exports decreased by 7.5% and 0.6% during September 2018 and April-September 2018 respectively over the corresponding period of the previous year.
- MS exports increased by 1.4% and decreased by 11.0% during September 2018 and April-September 2018 respectively over the corresponding period of the previous year.
- Percentage share of POL exports by PSU/JV and private oil companies during April- September 2018 is given in figure -6.

**Figure-6; Percentage share of PSU/JV and private oil companies in POL exports: April-September 2018<sup>(P)</sup>**

