

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

**&**

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

**May 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 May 2018 was lower by 2.9% than that of May 2017. The reduction in production was primarily due to lower production by PSU companies. During April-May 2018 indigenous crude oil and condensate production was lower by 1.9% over the corresponding period
- Total crude oil processed during May 2018 was 22241 TMT, an increase of 6.8% over May 2017. During April-May 2018 crude oil processed was higher by 3.0% over the corresponding period of the previous year mainly due to increase in crude oil processed by PSU/JV refineries.
- Production of petroleum products during May 2018 saw a growth of 4.9% with growth of 13.5% in LPG production, 14.9 % in ATF production, 8.6% in HSD production and 11.8% in petcoke production over May 2017. During April-May 2018 a growth of 3.9% was recorded in petroleum products production over the corresponding period of the previous year. Fractionators achieved 14.0% growth in production during May 2018 as compared to May 2017.
- Crude oil imports increased by 10.9% during May 2018 as compared to May 2017. On cumulative basis, crude oil imports increased by 3.1% during April-May 2018 as compared to the corresponding period of the previous year.
- Product imports decreased by 3.3% during May 2018 as compared to May 2017. On cumulative basis, product imports increased by 6.2% during April-May 2018 as compared to the corresponding period of the previous year.
- Exports of POL products decreased by 8.4% during May 2018 as compared to May 2017. On cumulative basis, a decrease of 17.6% was recorded in product exports during April-May 2018 as compared to the corresponding period of the previous year.

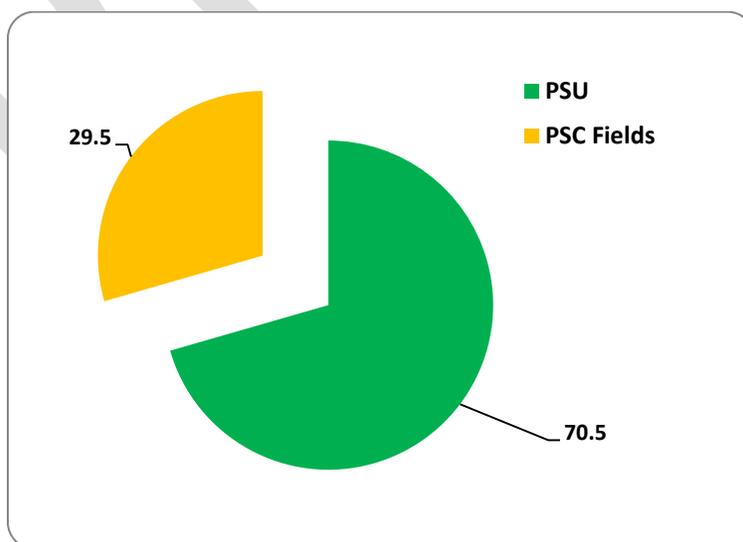
## 2. Indigenous crude oil and condensate production

2.1. Indigenous crude oil and condensate production decreased by 2.9% during May 2018 as compared to May 2017. On cumulative basis indigenous crude oil and condensate production decreased by 1.9% during April-May 2018 as compared to April-May 2017.

- OIL's crude oil production in May 2018 was lower by 1.0% as compared to May 2017. The cumulative production was marginally lower by 0.4% during April-May 2018 as compared to April-May 2017.
- In case of ONGC, crude oil and condensate production in May 2018 was lower by 4.8% as compared to May 2017. The cumulative production was lower by 4.3% during April-May 2018 as compared to April-May 2017.
- Indigenous crude oil and condensate production under PSC fields increased by 0.6% during May 2018 as compared to May 2017. The cumulative production under PSC fields was higher by 2.9% during April-May 2018 as compared to April-May 2017.

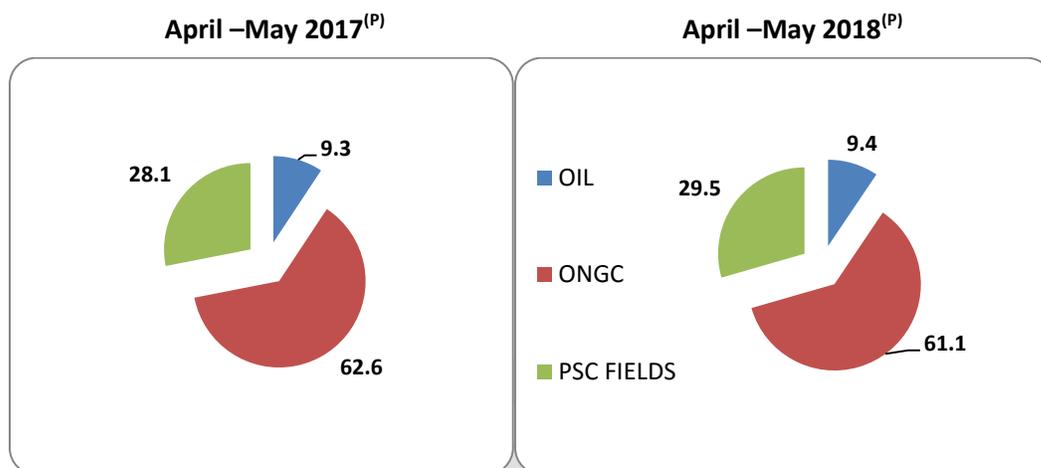
The percentage share of PSU upstream companies and PSC in overall crude oil production including condensate during April -May 2018<sup>(P)</sup> is shown in figure-1 below:

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



The percentage share of ONGC in overall crude oil production including condensate decreased during April-May 2018 as compared to April-May 2017 while share of OIL marginally increased. PSC fields' share also increased during April-May 2018 as compared to April-May 2017. The comparison is shown in figure-1 below:

**Figure-2; Percentage share in crude oil production**



### 3. Crude oil processing by Oil Companies

3.1. Total crude oil processed by Indian refineries was 22241 TMT during May 2018 and 42094 TMT during April-May 2018.

- During May 2018 indigenous crude oil processed increased by 1.8% as against May 2017 while an increase of 7.6% was observed in imported crude oil processed during May 2018 over May 2017. On cumulative basis during April-May 2018 indigenous crude oil processed marginally increased by 0.1%. There was an increase of 3.5% in imported crude oil processed during April-May 2018 over the corresponding period of the previous year mainly due to higher crude oil processing by PSU/ JV refineries.
- Indian refineries processed 76.2% of high sulphur crude during May 2018 as compared to 74.2% in May 2017. During April-May 2018, 75.1% high sulphur crude was processed against 74.0% 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 16.1% in May 2018 which

was at the same level as during May 2017. During April-May 2018 self-sufficiency was 16.2% as against 16.5% 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.

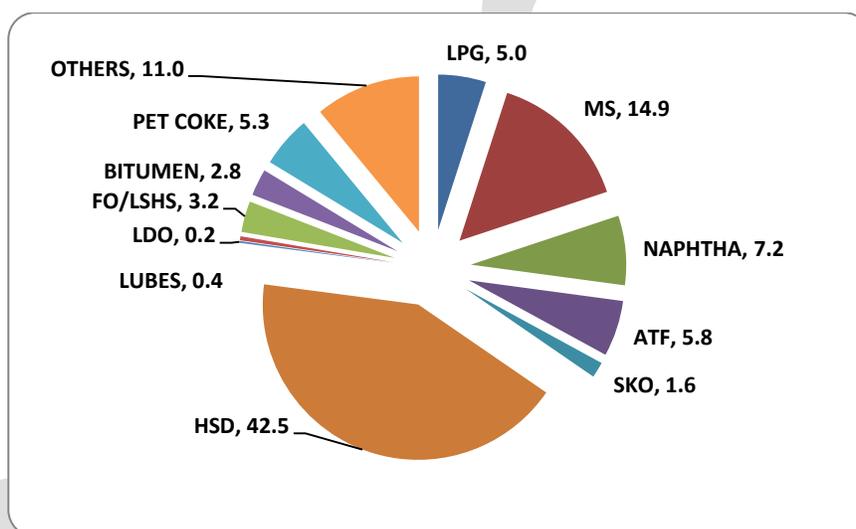
<b>Table-1; Production of petroleum products</b>		
<i>(Thousand Metric Tonnes)</i>		
<b>PRODUCTS</b>	<b>May 2018 <sup>(P)</sup></b>	<b>April - May 2018 <sup>(P)</sup></b>
LPG	1093	2108
NAPHTHA	1555	3068
MS BS-III	0	0
MS BS-IV	2038	3792
MS Others	1286	2550
ATF	1286	2473
SKO	333	695
HSD BS-III	4	0
HSD BS-IV	6341	12158
HSD Others	3344	5879
LDO	40	78
LUBES	88	179
FO	621	1286
LSHS	64	84
BITUMEN	573	1182
RPC(Petcoke)	1282	2264
Others*	2335	4660
<b>TOTAL</b>	<b>22283</b>	<b>42456</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 Feed Stock, Waxes, Sulphur etc.*

- Production of petroleum products from refineries and fractionators increased by 4.9% in May 2018 as compared to May 2017. During April-May 2018 an increase of 3.9% was registered over the corresponding period of the previous year.
- LPG production registered a growth of 13.5% during May 2018 and 13.0% during April -May 2018 as compared to the corresponding period of the previous year.
- ATF production registered a growth of 14.9% during May 2018 and 9.0% during April -May 2018 as compared to the corresponding period of the previous year.

- SKO production registered a de-growth of 11.3% during May 2018 and 10.0% during April -May 2018 as compared to the corresponding period of the previous year.
- During April -May 2018 production of FO decreased by 18.8% and petcoke increased by 2.6% as a result of operation of bottom upgradation units.
- The percentage share of various products in the total POL production during April-May 2018 is shown in figure-3 below:

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



LPG, MS, ATF, SKO and HSD accounted for 69.9% of total POL production during April 2017 to May 2018.

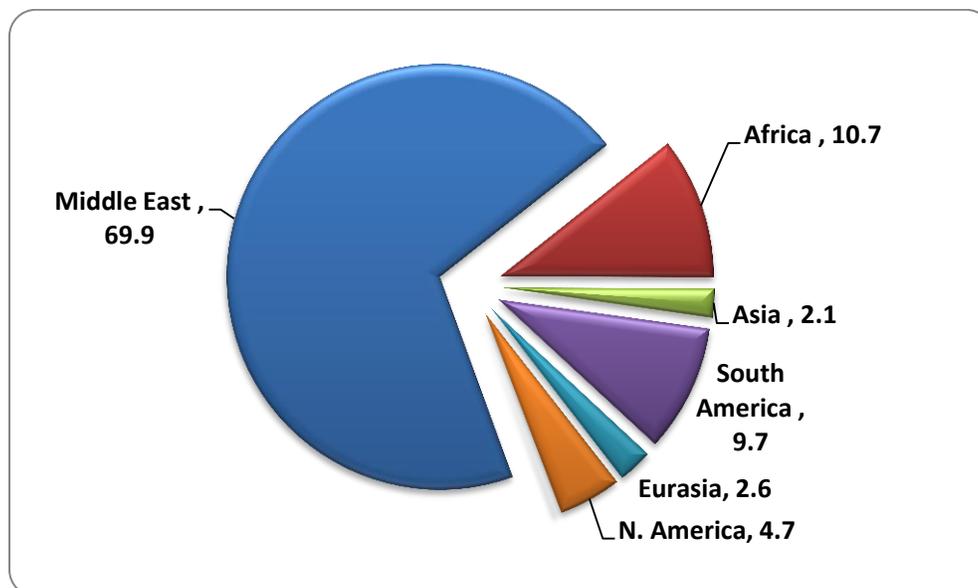
## 5. Import of Crude oil and Petroleum Products

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

<b>Table-2; Import of Crude oil and Petroleum Products</b>		
<i>( Thousand Metric Tonnes )</i>		
<b>IMPORT</b>	<b>May 2018 <sup>(P)</sup></b>	<b>April - May 2018 <sup>(P)</sup></b>
<b>Crude oil</b>	<b>19851</b>	<b>37132</b>
<b>PRODUCT IMPORT #</b>		
LPG	864	1734
MS/ Petrol	116	116
Naphtha	211	487
ATF	24	48
HSD	72	145
LOBS/Lube oil	231	447
Fuel Oil	109	401
Bitumen	79	157
Petcoke	1050	2101
Others\$	212	421
<b>TOTAL</b>	<b>2967</b>	<b>6056</b>
<i>Notes: (P): Provisional. Source : Oil Companies</i>		
<i># DGCIS April and May 2018 quantity prorated on the basis of April 2017-March 2018 actual data provided by DGCIS.</i>		
<i>\$ Others include SKO, CBFS, Paraffin wax, Petroleum Jelly, LSWR , Aviation Gas etc.</i>		

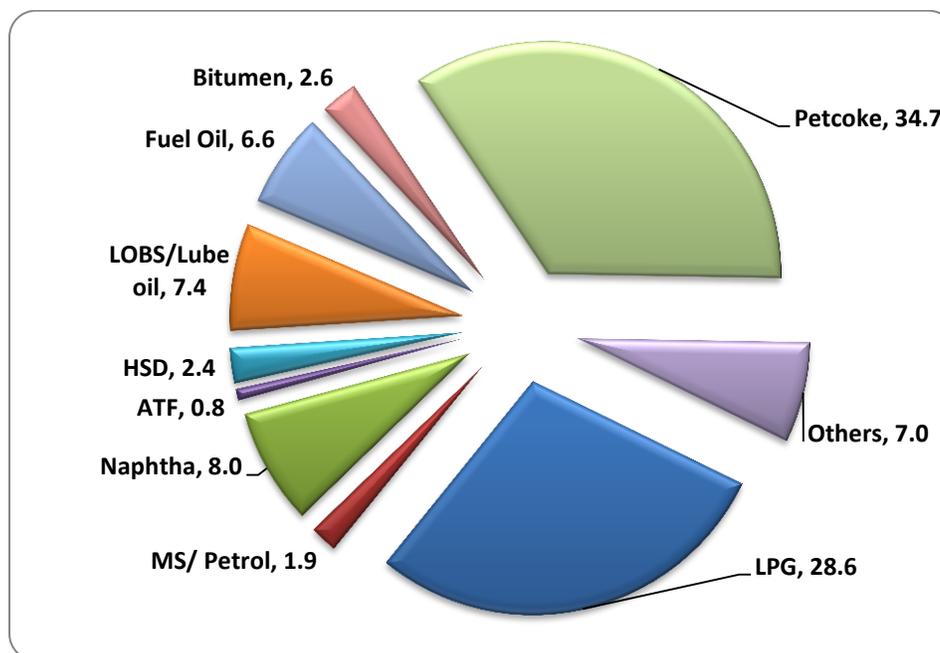
- Crude oil imports during May 2018 increased by 10.9% as compared to May 2017. During April-May 2018, crude oil imports increased by 3.1% as compared to April-May 2017.
- Crude oil imports from OPEC countries reduced to 85.5% of total imports during April-May 2018 as compared to 86.5% during April-May 2017 with increased imports from non-OPEC countries like Mexico, Malaysia, Egypt and Brazil.
- Crude oil imports of PSU/JV oil companies increased by 22.4% during May 2018 as compared to May 2017 and registered an increase of 8.9% during April-May 2018 as compared to April-May 2017.
- Crude oil imports of private oil companies decreased by 4.9% during May 2018 as compared to May 2017 and 5.7% during April-May 2018 as compared to April-May 2017.
- Region wise crude oil import share during April-May 2018 is given in figure-4.

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



- Import of POL products decreased by 3.3% during May 2018 as compared to May 2017. On cumulative basis, product imports increased by 6.2% during April-May 2018 as compared to April-May 2017. Increase in POL product imports during April-May 2018 was mainly due to increase in imports of LPG, naphtha, lube oil, fuel oil and MS.
- Import of LPG and petcoke accounted for 64.5% share of the total petroleum product imports during May 2018, while LPG alone accounted for 29.1% of total POL imports. Further, 96.4% of total LPG imports were from the Middle Eastern region during May 2018.
- Petcoke imports, with a percentage share of 35.4% of total POL imports during May 2018, were mainly done by cement and steel industries as a cheap substitute of coal.
- Import of naphtha increased by 105.4% during May 2018 as compared to May 2017 due to increase in demand of naphtha in fertilizer and petrochemical sectors where it is used as a feedstock for production of urea and petrochemical products respectively.
- The percentage share of all major products in the cumulative imports of the country during April-May 2018 is shown in figure-5.

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



## 6. Export of Petroleum Products

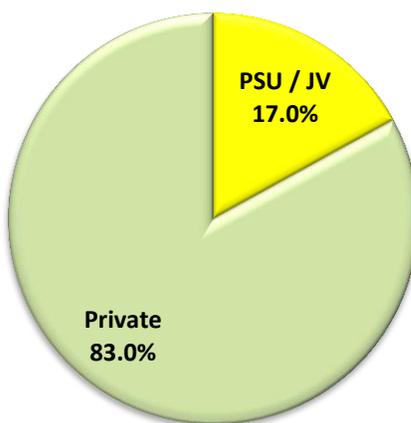
6.1 The details of export of petroleum products are given in Table-3 below:

Table-3; Export of major petroleum products		
<i>( Thousand Metric Tonnes)</i>		
PRODUCT EXPORT	May 2018 <sup>(P)</sup>	April - May 2018 <sup>(P)</sup>
LPG	34	63
MS	1148	2063
NAPHTHA	542	1073
ATF	547	1040
SKO	2	3
HSD	1988	3541
LDO	0	0
LOBS/ LUBE OIL	0	1
FUEL OIL	35	50
BITUMEN	0	0
PET COKE	6	109
VGO	38	78
OTHERS <sup>#</sup>	182	315
<b>TOTAL</b>	<b>4523</b>	<b>8334</b>

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

- Export of petroleum products decreased by 8.4% and 17.6% during May 2018 and April-May 2018 respectively as compared to May 2017 and April-May 2017. There was a decrease in exports of all products except LPG, SKO and pet coke during April-May 2018.
- HSD exports increased by 1.7% during May 2018 in comparison to May 2017. HSD share in total exports of POL was 44.0% during May 2018 as compared to 39.6% during May 2017. HSD exports decreased by 15.7% during April-May 2018 as compared to April-May 2017.
- MS exports showed de-growth of 13.9% and 15.0% during May 2018 and April-May 2018 respectively as compared to May 2017 and April-May 2017.
- Percentage share of POL exports by PSU/JV and private oil companies during April-May 2018 is given in figure-6.

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



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