

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

&

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

June 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.

Highlights

- Indigenous crude oil and condensate production during June 2018 was lower by 3.4% than that of June 2017 due to lower production by ONGC and PSC fields. During April-June 2018 a de-growth of 2.4% was registered in indigenous crude oil and condensate production over April - June 2017.
- Total crude oil processed during June 2018 was 21.9 MMT, an increase of 9.1% over June 2017. Total crude processed during April-June 2018 was higher by 5% as compared to April-June 2017.
- Production of petroleum products during June 2018 saw a growth of 12% over June 2017. Production of LPG and MS increased by around 10% each, diesel by 16% and ATF by 18% during June 2018 as compared to June 2017. An increase of 6.6% was registered in the total production of petroleum products during April-June 2018 over the corresponding period of the previous year.
- Crude oil imports during June 2018 were 19.5 MMT which was an increase of 10.3% as compared to June 2017. Crude oil imports increased by 5.6% during April-June 2018 as compared to April-June 2017.
- Product imports increased by 7.3% and 5.5% during June 2018 and April-June 2018 respectively as compared to the corresponding period of the previous year. Increase in POL product imports during April-June 2018 was mainly due to increase in imports of LPG, naphtha and fuel oil.
- Product exports increased by 7.2 % during June 2018 as compared to June 2017. During April-June 2018 product exports decreased by 9.4% as compared to April-June 2017 mainly due to decrease in exports of MS and HSD.

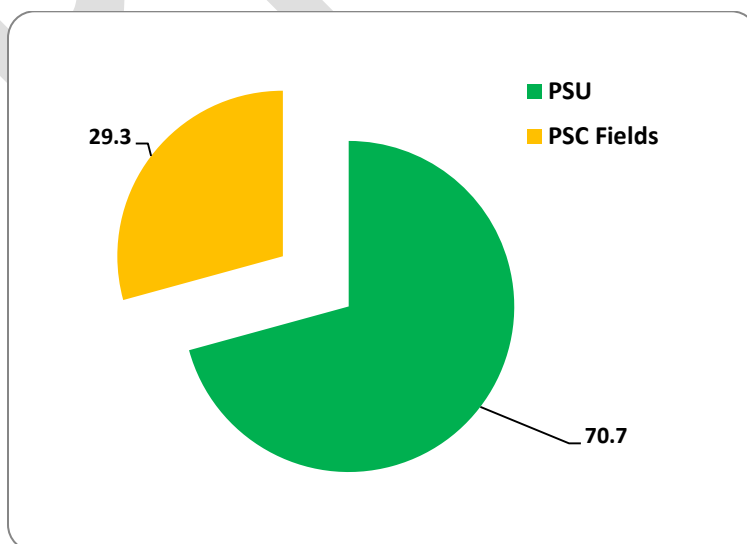
2. Indigenous crude oil and condensate production

2.1. Production of indigenous crude oil and condensate registered a de-growth of 3.4% during June 2018 as compared to June 2017 and a de-growth of 2.4% during April-June 2018 as compared to April-June 2017.

- OIL's crude oil production in June 2018 was 279 TMT which was at the same level as during June 2017. Production registered a marginal de-growth of 0.3% during April-June 2018 as compared to the corresponding period of the previous year.
- In case of ONGC, crude oil and condensate production in June 2018 was lower by 4.6% as compared to June 2017. De-growth of 4.4% in production was recorded during April-June 2018 vis a vis April-June 2017.
- Indigenous crude oil and condensate production under PSC fields decreased by 1.7% during June 2018 as compared to June 2017. An increase of 1.4% was registered during April – June 2018 as compared to the corresponding period of the previous year.

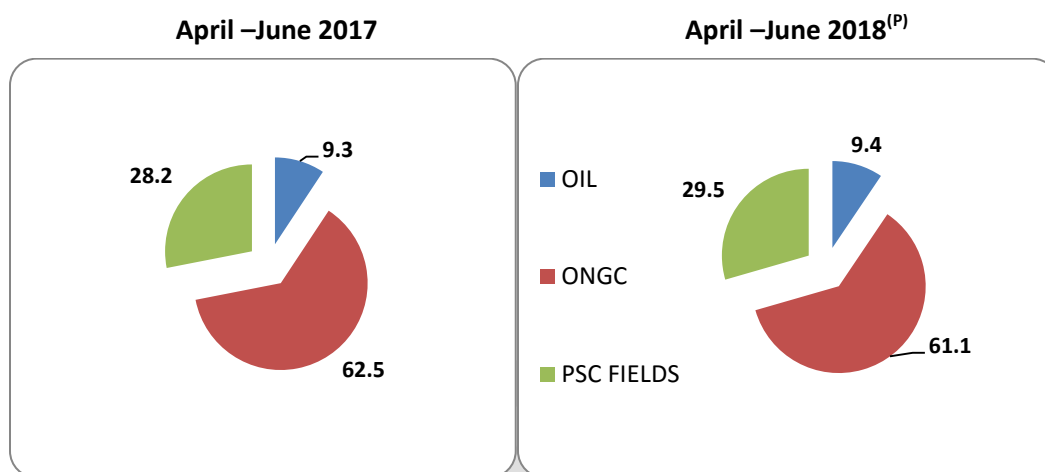
The percentage share of PSU upstream companies and PSC fields in overall crude oil and condensate production during April-June 2018^(P) is shown in figure-1 below:

Figure-1; Percentage share in crude oil and condensate production; April –June 2018^(P)



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

Figure-2; Percentage share in crude oil and condensate production



3. Crude oil processing by Oil Companies

3.1. Total crude oil processed by Indian refineries was 21.9 MMT during June 2018 and 64.0 MMT during April-June 2018.

- During June 2018 crude oil processed was higher by 9.1% over June 2017. During April-June 2018 crude oil processed was higher by 5% over the corresponding period of the previous year.
- Refineries processed 79% of high sulphur crude during June 2018 as compared to 71.3% in June 2017. During April-June 2018, 76.5% high sulphur crude was processed against 73.1% 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 16.2% in June 2018 against 18.9% during June 2017. During April-June 2018 self-sufficiency was 16.2% against 17.3% 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.

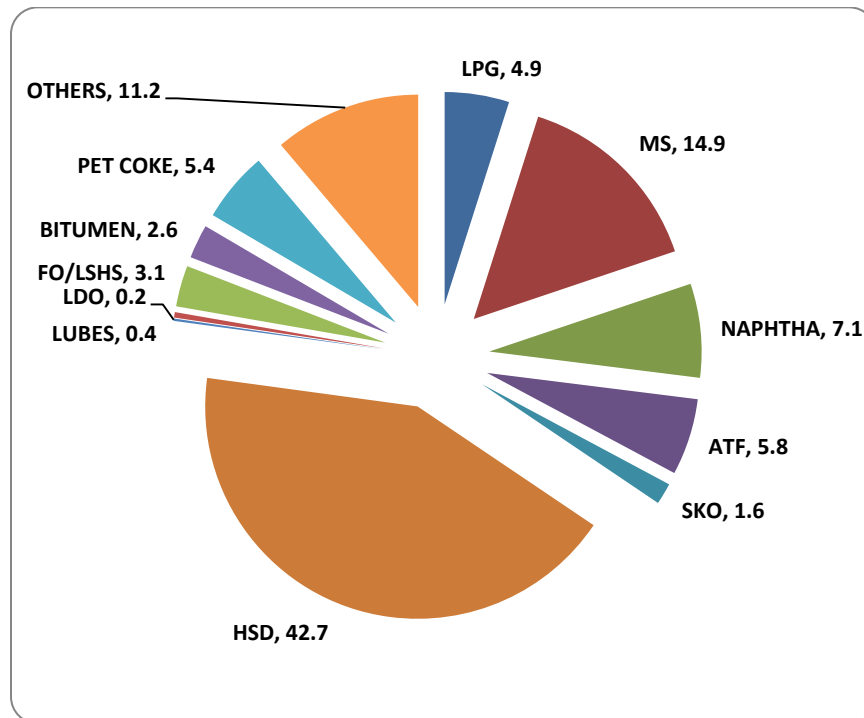
| Table-1; Production of petroleum products | | |
|--|---------------------------------|---|
| <i>(Thousand Metric Tonnes)</i> | | |
| PRODUCTS | June 2018 ^(P) | April - June 2018 ^(P) |
| LPG | 1088 | 3196 |
| NAPHTHA | 1586 | 4653 |
| MS BS-IV | 2073 | 5865 |
| MS Others | 1303 | 3852 |
| ATF | 1326 | 3799 |
| SKO | 366 | 1061 |
| HSD BS-III | 20 | 20 |
| HSD BS-IV | 6103 | 18261 |
| HSD Others | 3643 | 9522 |
| LDO | 37 | 115 |
| LUBES | 91 | 270 |
| FO | 646 | 1933 |
| LSHS | 19 | 103 |
| BITUMEN | 502 | 1684 |
| RPC(Petcoke) | 1227 | 3491 |
| Others* | 2624 | 7284 |
| TOTAL | 22654 | 65110 |

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 12% in June 2018 and 6.6% in April-June 2018 over the corresponding period of the previous year.
- LPG and MS production increased by 10% each, diesel by 16% and ATF by 18% during June 2018 as compared to June 2017.
- Naphtha and FO production registered a de-growth during April -June 2018 as compared to the corresponding period of the previous year.
- Petcoke production increased during June 2018 and April-June 2018 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-June 2018 is shown in figure-3 below:

Figure-3; Percentage share of POL products in production; April-June 2018^(P)



LPG, MS, ATF, SKO and HSD accounted for 70% of total POL production during April-June 2018.

Import of Crude oil and Petroleum Products

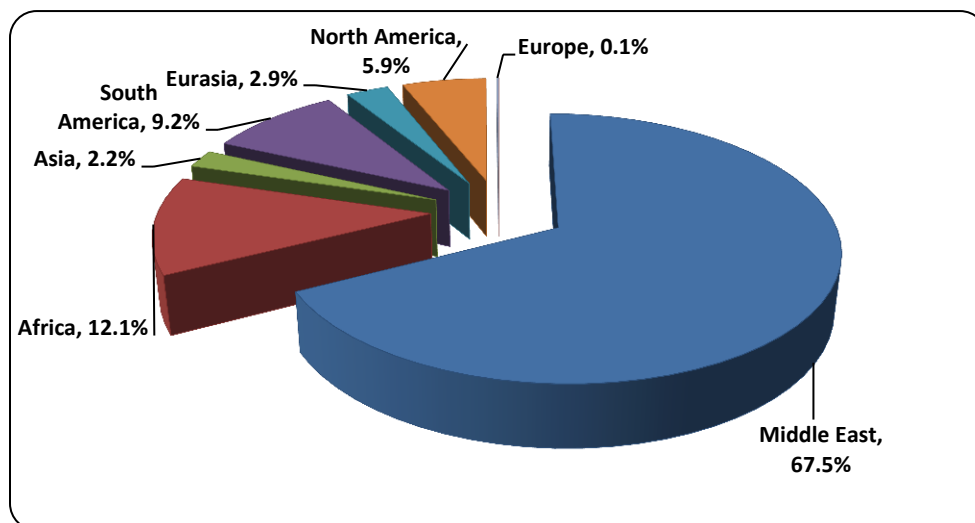
5.1 Details of import of crude oil and petroleum products are given in Table-2 below:

| Table-2; Import of Crude oil and Petroleum Products | | |
|--|---------------------------------|---|
| <i>(Thousand Metric Tonnes)</i> | | |
| IMPORT | June 2018 ^(P) | April - June 2018 ^(P) |
| Crude oil | 19478 | 56721 |
| PRODUCT # | | |
| LPG | 1089 | 2813 |
| MS/ Petrol | 0 | 116 |
| Naphtha | 181 | 794 |
| ATF | 24 | 86 |
| HSD | 6 | 187 |
| LOBS/Lube oil | 211 | 585 |
| Fuel Oil | 153 | 530 |
| Bitumen | 81 | 263 |
| Petcoke | 1025 | 2875 |
| Others\$ | 251 | 739 |
| TOTAL | 3020 | 8987 |
| <i>Notes: (P): Provisional. Source : Oil Companies</i> | | |
| <i># DGCIS May 2018 and June 2018 quantity prorated on the basis of May 2017-April 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 June 2018 and April-June 2018 increased by 10.3% and 5.6% respectively as compared to June 2017 and April-June 2017.
- Crude oil imports from OPEC countries decreased to 82.9% of total imports during April-June 2018 as compared to 85.5% during April-June 2017 with increased imports from non-OPEC countries.
- Crude oil imports of PSU/JV oil companies increased by 20.4% and 13% during June 2018 and April-June 2018 respectively over the corresponding period of the previous year.
- Crude oil imports of private oil companies decreased by 4.5% and 5.3% during June 2018 and April-June 2018 respectively over the corresponding period of the previous year.

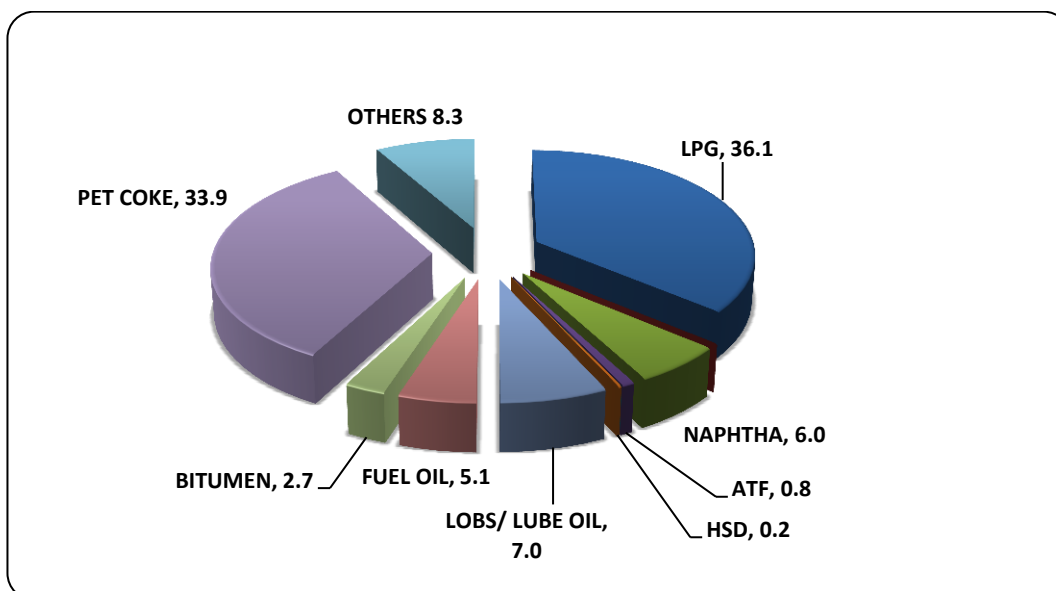
- Region wise crude oil import share during April-June 2018 is given in figure-4.

Figure-4; Region wise percentage share of crude oil imports: April-June 2018 ^(P)



- Product imports increased by 7.3% during June 2018 as compared to June 2017. Product imports increased by 5.5% during April-June 2018 as compared to April-June 2017. Increase in POL product imports during April-June 2018 was mainly due to increase in imports of LPG, naphtha, lube oil, fuel oil and bitumen.
- Import of LPG and pet coke accounted for 70% share of total petroleum product imports during June 2018, while LPG alone accounted for 36.1% of total POL imports. Further, 97.3% of total LPG imports were from the Middle Eastern region during June 2018.
- Petcoke imports, with a percentage share of 33.9% of total POL imports during June 2018, were mainly done by cement and steel industries as it is a cheap substitute of coal.
- Import of naphtha increased by 167.4% during June 2018 as compared to June 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 imports of the country during April-June 2018 is shown in figure -5.

Figure-5; Percentage share of petroleum products in imports April-June 2018 ^(P)



5. Export of Petroleum Products

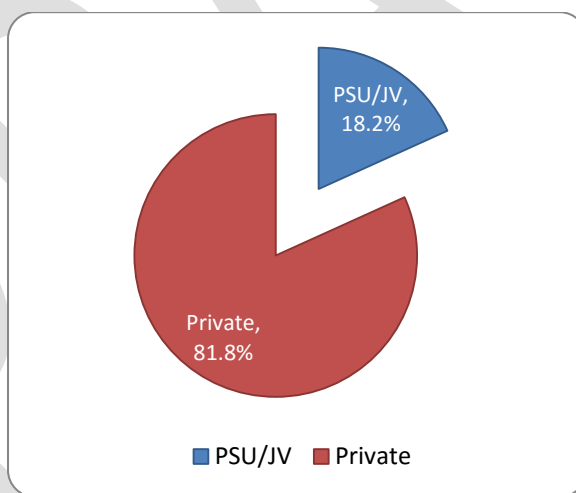
6.1 The details of export of petroleum products are given in Table-3 below:

| PRODUCT | June 2018 ^(P) | April - June 2018 ^(P) |
|---------------------|--------------------------|----------------------------------|
| LPG | 34 | 97 |
| MS | 1206 | 3269 |
| NAPHTHA | 635 | 1707 |
| ATF | 730 | 1770 |
| SKO | 2 | 5 |
| HSD | 2445 | 5985 |
| LOBS/ LUBE OIL | 1 | 1 |
| FUEL OIL | 74 | 124 |
| BITUMEN | 3 | 4 |
| PET COKE | 92 | 201 |
| VGO | 0 | 78 |
| OTHERS [#] | 115 | 431 |
| TOTAL | 5336 | 13670 |

Note: (P): Provisional. Source : Oil Companies
[#] Others include CBFS, Hexane, Benzene, MTO, Paraffin wax, Polypropylene, Sulphur etc.

- Export of petroleum products increased by 7.2 % during June 2018 as compared to June 2017 while there was a decrease of 9.4% for the period April-June 2018 as compared to April-June 2017. There was a decrease in exports of all products except LPG, ATF, pet coke and SKO during April-June 2018.
- HSD exports increased by 20.1% during June 2018 in comparison to June 2017. HSD share in total exports of POL was 45.8% during June 2018 as compared to 40.9% during June 2017. HSD exports decreased by 4% during April-June 2018 as compared to April-June 2017.
- MS exports showed de-growth of 0.1% and 10.1% during June 2018 and April-June 2018 respectively over the corresponding period of the previous year.
- Percentage share of POL exports by PSU/JV and private oil companies during April-June 2017 and April-June 2018 is given in figure -6.

Figure-6; Percentage share of POL exports by PSU/JV and private oil companies; April-June 2018 ^(P)



-----X-----