

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

&

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

April 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 April 2018 was marginally lower by 0.8% as compared to April 2017. OIL registered a marginal growth of 0.2% while ONGC registered de-growth of 3.8% during April 2018 as compared to April 2017. PSC fields registered growth of 5.5% during the month over the corresponding month of the previous year.
- Total crude oil processed during April 2018 was 19853 TMT, a decrease of 0.9% over April 2017 during the month. There was a decrease of 1.7% in the indigenous crude oil processed over April 2017 due to lower crude oil production.
- Production of petroleum products during April 2018 saw a growth of 2.7% with growth of 12.4% in LPG production, 12.2% in FO and 13.0% in bitumen production over April 2017.
- Crude oil imports during April 2018 decreased by 5.4% as compared to April 2017.
- Product imports increased by 16.4% during April 2018 as compared to April 2017 due to increase in imports of naphtha , HSD and fuel oil
- Export of POL products decreased by 26.0% during April 2018 as compared to April 2017. All POL products (except Petcoke/CBFS) registered a de-growth in exports during April 2018 as compared to April 2017.

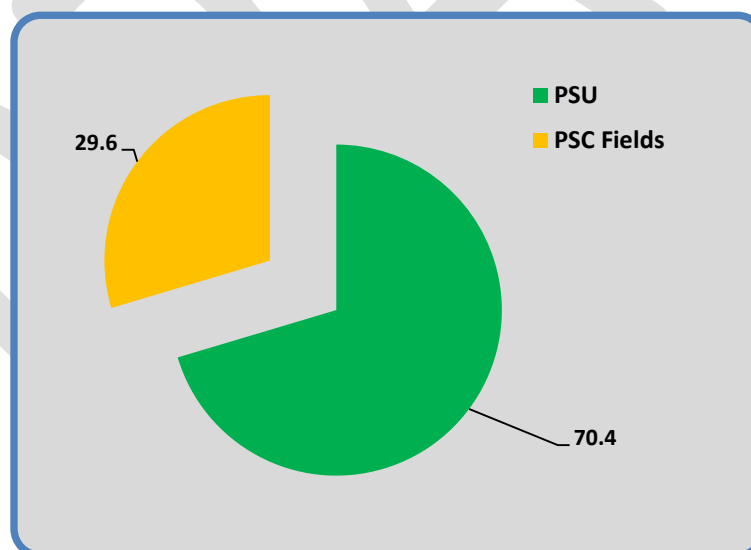
2. Indigenous crude oil and condensate production

2.1. Indigenous crude oil and condensate production marginally decreased by 0.8% during April 2018 as compared to April 2017.

- Indigenous crude oil production of OIL in April 2018 was marginally higher by 0.2% as compared to April 2017.
- Indigenous crude oil and condensate production of ONGC, in April 2018 was lower by 3.8% as compared to April 2017.
- Indigenous crude oil and condensate production under PSC fields was higher by 5.5% during April 2018 as compared to April 2017.

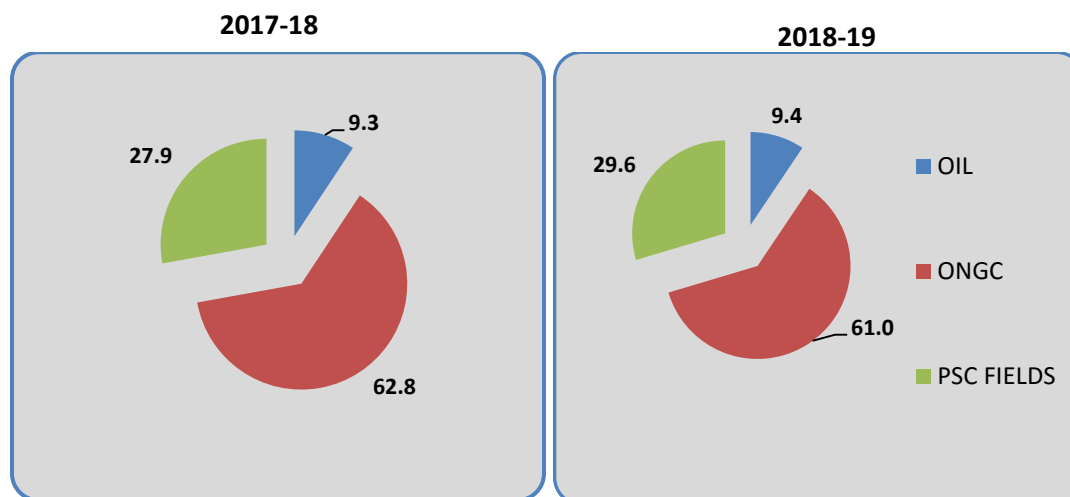
The percentage share of PSU upstream companies and PSC in overall crude oil production including condensate during April 2018^(P) is shown in figure-1 below:

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



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

Figure-2; Percentage share in crude oil production: (April ^(P))



3. Crude oil processing by Oil Companies

3.1. The total crude oil processed by Indian refineries was 19853 TMT during April 2018 which was 0.9% lower as compared to April 2017. During April 2018 indigenous crude oil processed decreased by 1.7% as compared to April 2017 due to lower indigenous crude oil production in the country. A decrease of 0.7% was observed in imported crude oil processed during April 2018 over April 2017 as overall crude oil processing was lower during the month owing to shutdown in a few refineries.

- Indian refineries processed 73.9% of high sulphur crude during April 2018 as compared to 73.7% in April 2017.
- Self-sufficiency of petroleum products on consumption basis was 16.3% in April 2018 against 17.0% during April 2017.

4. Production of Petroleum Products

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

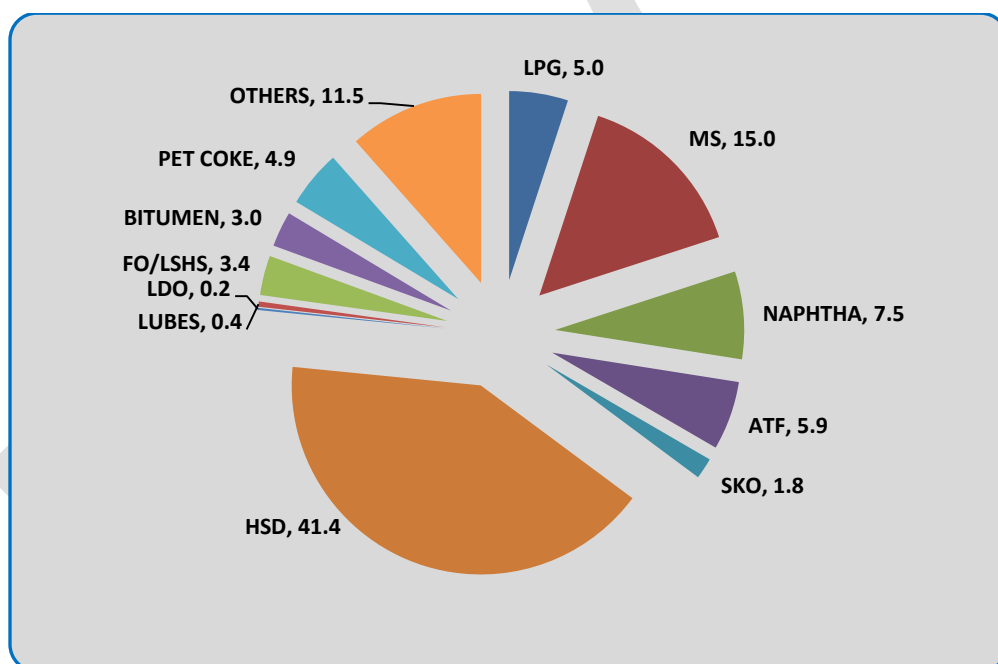
Table-1; Production of petroleum products	
<i>(Thousand Metric Tonnes)</i>	
PRODUCTS	April 2018 ^(P)
LPG	1015
NAPHTHA	1512
MS BS-III	0
MS BS-IV	1755
MS Others	1262
ATF	1187
SKO	362
HSD BS-III	-3
HSD BS-IV	5818
HSD Others	2534
LDO	38
LUBES	91
FO	663
LSHS	20
BITUMEN	609
RPC(Petcoke)	982
Others	2325
TOTAL	20171

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 2.7% in April 2018 as compared to April 2017. Fractionators' production registered growth of 13.6% during April 2018 over April 2017. An increase of 2.5% was registered in production of petroleum products from refineries during April 2018 over April 2017.
- LPG production registered growth of 12.4% during April 2018 as compared to the corresponding period of the previous year.
- ATF production registered growth of 3.3% during April 2018 as compared to the corresponding period of the previous year.
- SKO production registered de-growth of 8.7% during April 2018 as compared to the corresponding period of the previous year.

- FO production increased by 12.2% during April 2018 as compared to the corresponding period of the previous year.
- Bitumen production increased by 13.0% during April 2018 as compared to the corresponding period of the previous year.
- Petcoke production decreased by 7.3% during April 2018 as compared to the corresponding period of the previous year.
- The percentage share of various products in the total POL production during April 2018 is shown in figure-3 below:

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



LPG, MS, ATF, SKO and HSD accounted for 69.1% of total POL production during April 2018.

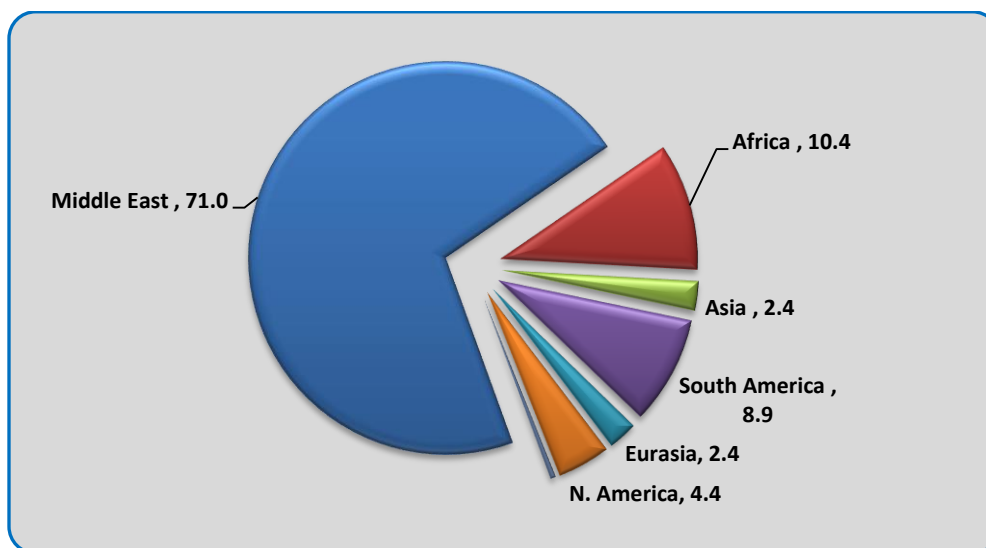
5. Import of Crude oil and Petroleum Products

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	
<i>(Thousand Metric Tonnes)</i>	
IMPORT	April 2018 ^(P)
Crude oil	17151
PRODUCT IMPORT #	
LPG	849
MS/ Petrol	0
Naphtha	271
ATF	22
HSD	72
LOBS/Lube oil	201
Fuel Oil	297
Bitumen	79
Petcoke	1066
Others\$	207
TOTAL	3066
<i>Notes: (P): Provisional. Source: Oil Companies # DGCIS April 2018 quantity prorated on the basis of March 2017-February 2018 actual data provided by DGCIS.</i>	
<i>\$ Others include SKO, CBFS, Paraffin wax, Petroleum Jelly, LSWR , Aviation Gas etc.</i>	

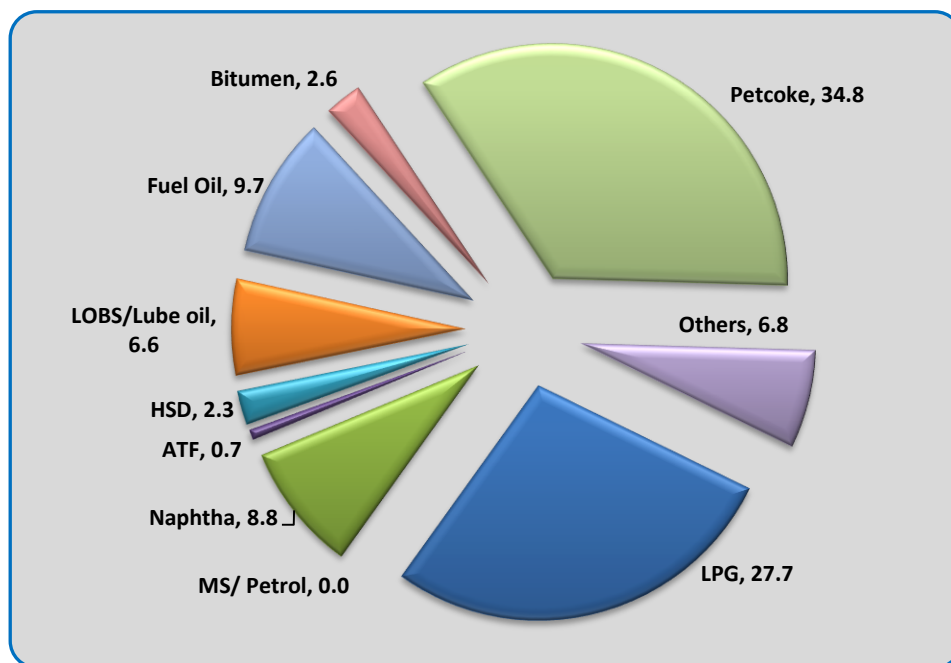
- Crude oil imports during April 2018 decreased by 5.4% as compared to April 2017.
- Crude oil imports from OPEC countries reduced to 84.3% of total imports during April 2018 as compared to 90.2% during April 2017 with increased imports from non-OPEC countries like Mexico, Malaysia, Egypt, Brazil and Sudan.
- Crude oil imports of PSU/JV oil companies during April 2018 decreased by 4.6% as compared to April 2017.
- Crude oil imports of private oil companies decreased by 6.7% during April 2018 as compared to April 2017.
- Region wise crude oil import share April 2018 is given in the following figure-4.

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



- Import of POL products increased by 16.4% during April 2018 as compared to April 2017 mainly due to increase in import of naphtha, HSD and FO.
- Import of LPG and petcoke accounted for 62.5% share of the total petroleum product imports during April 2018, while LPG alone accounted for 27.7% of total POL imports. Further, 96.3% of total LPG imports were from the Middle Eastern region during April 2018.
- Petcoke imports, with a percentage share of 34.8% of total POL imports during April 2018, were mainly done by cement and steel industries as a cheap substitute of coal.
- Import of naphtha increased by 198 TMT (268.5%) during April 2018 as compared to April 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 2018 is shown in figure-5.

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



6. Export of Petroleum Products

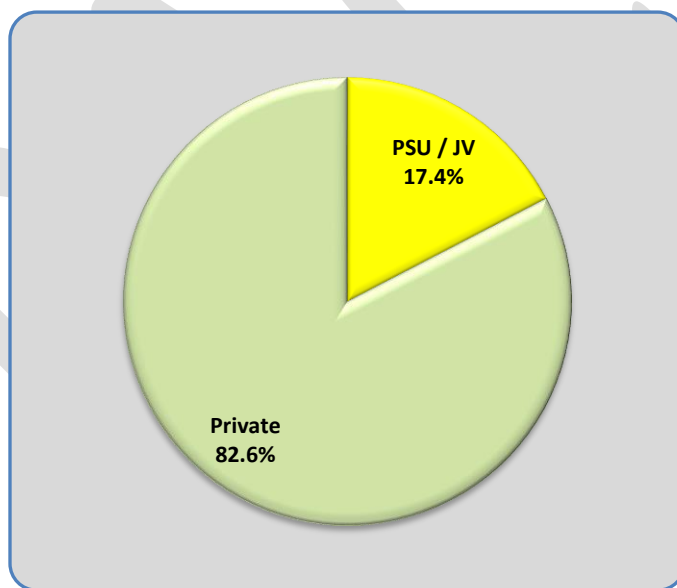
6.1 The details of export of petroleum products are given in Table-3 below:

Table-3 ; Export of major petroleum products	
(Thousand Metric Tonnes)	
PRODUCT EXPORT	April 2018 ^(P)
LPG	29
MS	915
NAPHTHA	546
ATF	492
SKO	1
HSD	1553
LDO	0
LOBS/ LUBE OIL	0
FUEL OIL	15
BITUMEN	0
PET COKE	103
VGO	40
OTHERS [#]	133
TOTAL	3827

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

- Export of petroleum products decreased by 26.0% during April 2018 as compared to April 2017 primarily due to decrease in exports of MS, HSD, Naphtha and VGO. MS, Naphtha, ATF and HSD constituted 91.6% of POL exports during April 2018.
- HSD exports decreased by 30.8% during April 2018 in comparison to April 2017. HSD share in exports of POL was 40.6% during April 2018 as compared to 43.4% during April 2017.
- MS exports showed de-growth of 16.4% during April 2018 as compared to April 2017.
- Percentage share of POL exports by PSU/JV and private oil companies during April 2018 is given in figure-6.

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



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