

**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.

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.

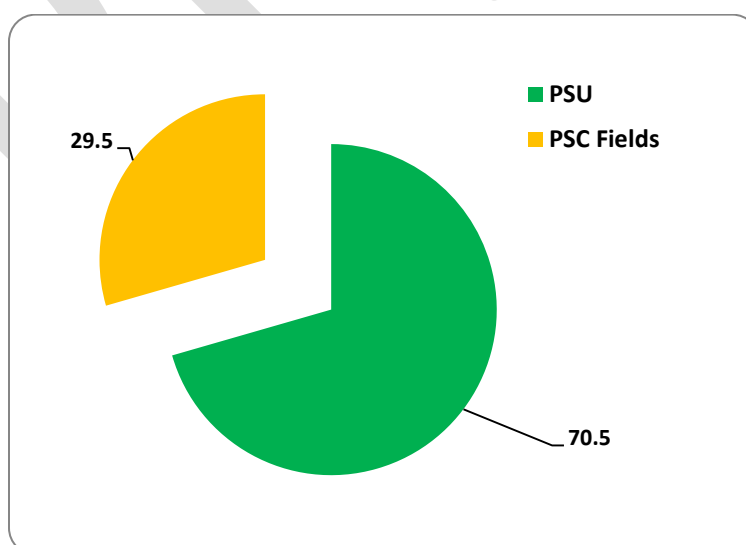
2. Indigenous crude oil and condensate production

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.

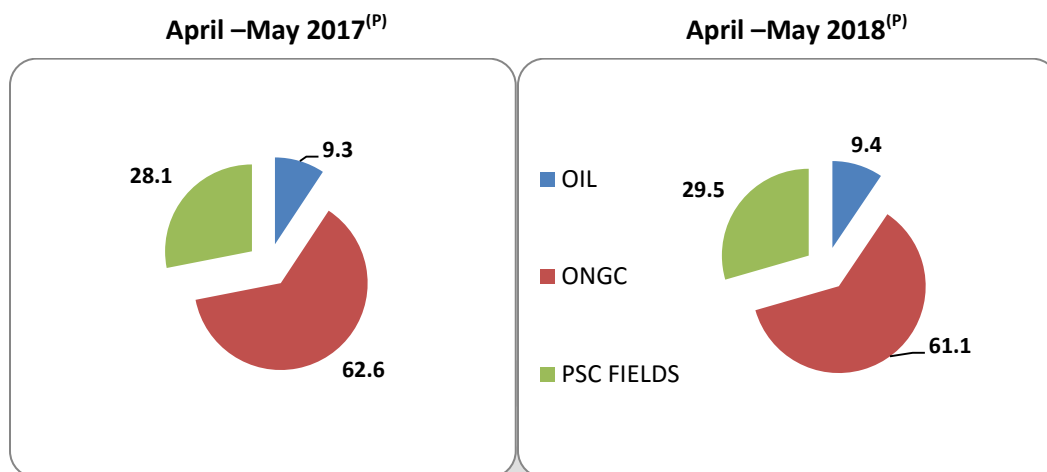
The percentage share of PSU upstream companies and PSC in overall crude oil production including condensate during April -May 2018^(P) is shown in figure-1 below:

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



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.

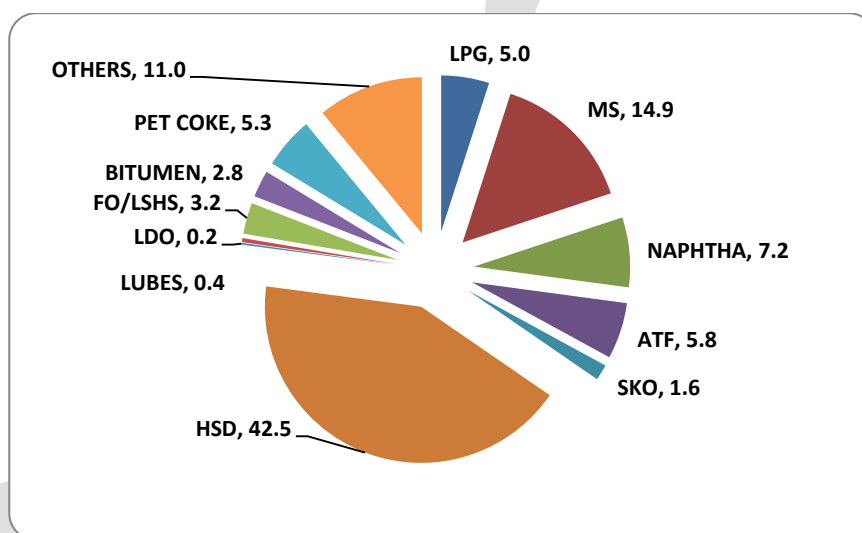
Table-1; Production of petroleum products		
<i>(Thousand Metric Tonnes)</i>		
PRODUCTS	May 2018 ^(P)	April - May 2018 ^(P)
LPG	1093	2108
NAPHTHA	1555	3068
MS BS-III	0	0
MS BS-IV	2038	3792
MS Others	1286	2550
ATF	1286	2473
SKO	333	695
HSD BS-III	4	0
HSD BS-IV	6341	12158
HSD Others	3344	5879
LDO	40	78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

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^(P)



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

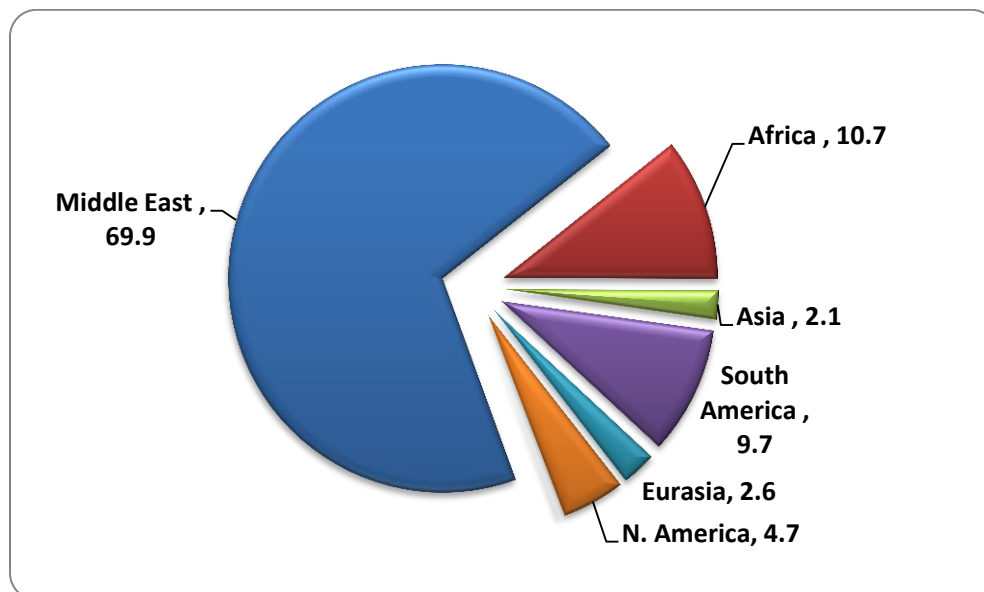
5. Import of Crude oil and Petroleum Products

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

Table-2; Import of Crude oil and Petroleum Products		
<i>(Thousand Metric Tonnes)</i>		
IMPORT	May 2018 ^(P)	April - May 2018 ^(P)
Crude oil	19851	37132
PRODUCT IMPORT #		
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
TOTAL	2967	6056
<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>		

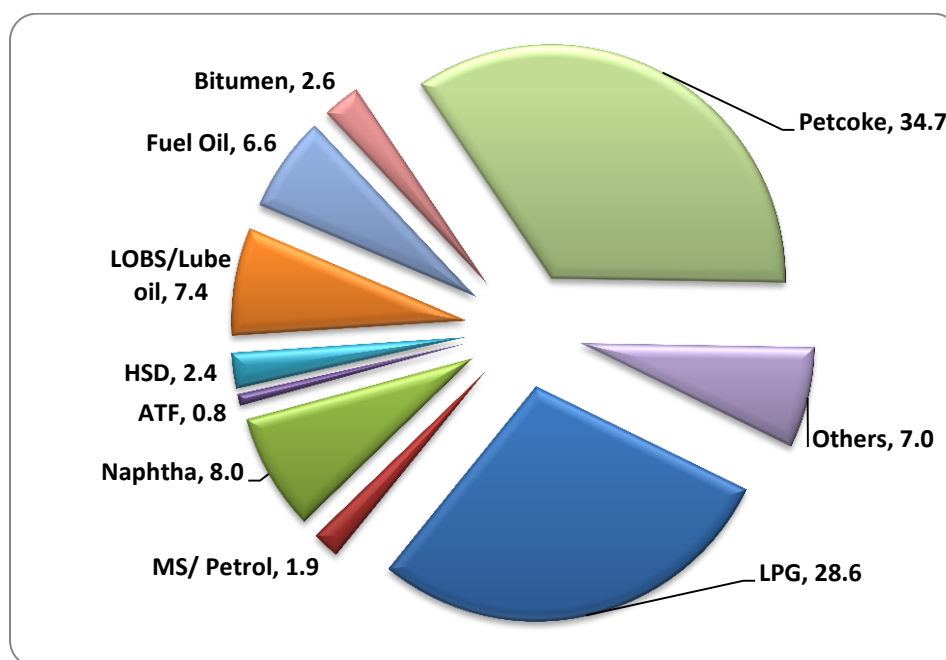
- Crude oil imports during May 2018 increased by 10.9% as compared to May 2017. During April-May 2018, crude oil imports increased by 3.1% as compared to April-May 2017.
- Crude oil imports from OPEC countries reduced to 85.5% of total imports during April-May 2018 as compared to 86.5% during April-May 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^(P)



- 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 ^(P)



6. Export of Petroleum Products

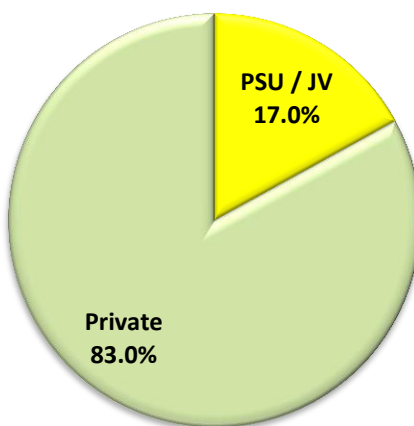
6.1 The details of export of petroleum products are given in Table-3 below:

Table-3; Export of major petroleum products		
<i>(Thousand Metric Tonnes)</i>		
PRODUCT EXPORT	May 2018 ^(P)	April - May 2018 ^(P)
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 [#]	182	315
TOTAL	4523	8334

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 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 ^(P)



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