

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

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

February 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 February 2018 was lower by 2.4% than February 2017. OIL registered a marginal growth of 0.1% while ONGC registered de-growth of 3.3% during February 2018 as compared to February 2017. PSC fields registered de-growth of 1.1% during the month.
- Total crude oil processed during February 2018 was 20086 TMT, an increase of 5.4% over February 2017. During April 2017 to February 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 refineries.
- Production of petroleum products during February 2018 saw a growth of 7.8% with growth of 8.2% in LPG production, 12.6 % in ATF production and 10.1% in HSD production over February 2017. During April 2017 to February 2018 a growth of 4.8% was recorded over the corresponding period of the previous year.
- Crude oil imports increased by 6.5% during February 2018 as compared to February 2017. During April 2017 to February 2018 crude oil imports increased by 3.2% over the corresponding period of the previous year.
- Product imports increased by 6.2% during February 2018 as compared to February 2017 mainly due to increase in naphtha and FO imports for domestic consumption. During April 2017 to February 2018, product imports marginally decreased by 0.5% over the corresponding period of the previous year.
- Export of POL products increased by 14.9% during February 2018 as compared to February 2017 primarily due to higher surplus availability of naphtha, ATF, fuel oil and HSD. During April 2017 to February 2018, an increase of 4.3% was recorded in product exports over the corresponding period of the previous year.

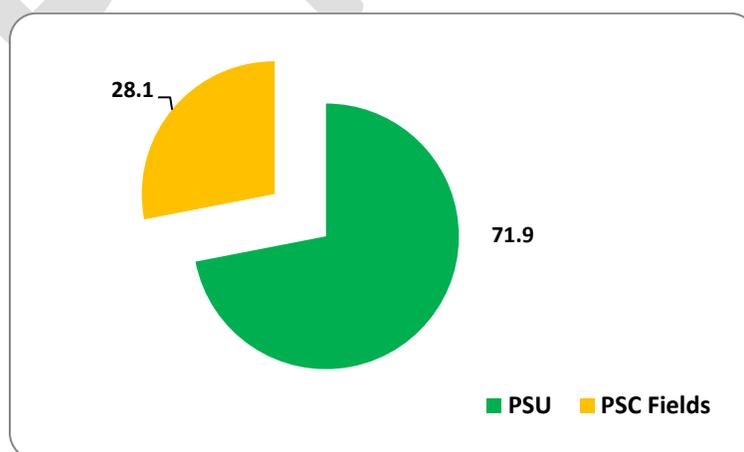
2. Indigenous crude oil and condensate production

2.1. Indigenous crude oil and condensate production decreased by 2.4% during February 2018 as compared to February 2017. During April 2017 to February 2018 there was a marginal decrease by 0.8% as compared to corresponding period in 2016 - 17 with a decrease of 276 TMT.

- OIL's crude oil production in February 2018 was marginally higher by 0.1% as compared to February 2017. During April 2017 to February 2018 growth of 4.4% was recorded as compared to the corresponding period in 2016-17.
- In case of ONGC, crude oil and condensate production in February 2018 was lower by 3.3% as compared to February 2017. However during April 2017 to February 2018 marginal growth of 0.4% was recorded in total crude oil and condensate production.
- Indigenous crude oil and condensate production under PSC fields decreased by 1.1% during February 2018 as compared to February 2017. During April 2017 to February 2018 crude oil and condensate production under PSC fields decreased by 5.1% as compared to the corresponding period in 2016-17.

The percentage share of PSU upstream companies and PSC in overall crude oil production including condensate during April 2017 to February 2018^(P) is shown in figure-1 below:

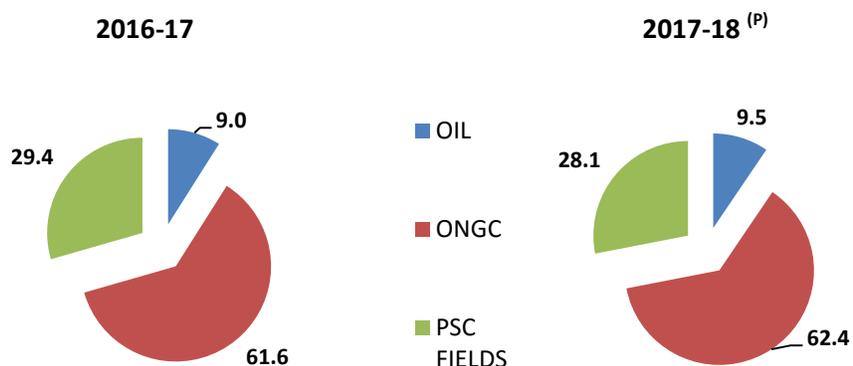
Figure-1; Percentage share in crude oil production: (April 2017 – February 2018^(P))



The percentage share of ONGC and OIL in overall crude oil production including condensate during April 2017 to February 2018 has increased as compared to April 2016

to February 2017 while PSC fields' share has declined. The comparison is shown in figure-2 below:

Figure-2; Percentage share in crude oil production: (April – February)



3. Crude oil processing by Oil Companies

3.1. The total crude oil processed by Indian refineries was 20086 TMT during February 2018 and 230820 TMT during April 2017 to February 2018.

- During February 2018 indigenous crude oil processed decreased by 3% due to lower indigenous crude oil production as against February 2017 while an increase of 6.7% was observed in imported crude oil processed during February 2018 over the corresponding of the previous year. On cumulative basis during April 2017 to February 2018 indigenous crude oil processed decreased by 2.6% and an increase of 3.9% in imported crude oil processed during the period over the corresponding period of the previous year.
 - Indian refineries processed 77% of high sulphur crude during February 2018 as compared to 71.8% in February 2017. During April 2017 to February 2018, 74.9% high sulphur crude was processed against 72.4% in the corresponding period of the previous year.
 - Self-sufficiency of petroleum products on consumption basis was 16.1% in February 2018 against 17.8% during February 2017. During April 2017 to February 2018 self-sufficiency was 17.2% against 18.3% in 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.

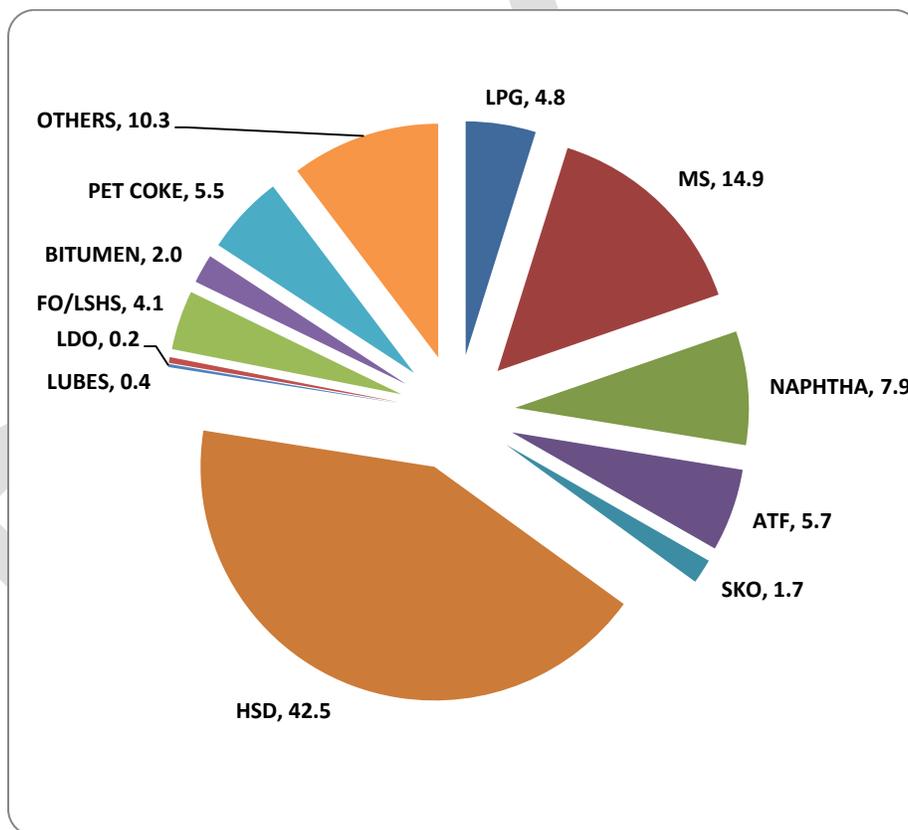
Table-1; Production of petroleum products		
<i>(Thousand Metric Tonnes)</i>		
PRODUCTS	February 2018 ^(P)	April 2017 - February 2018 ^(P)
LPG	1026	11255
NAPHTHA	1506	18271
MS BS-III	0	0
MS BS-IV	1849	21810
MS Others	1130	12707
ATF	1234	13281
SKO	387	3961
HSD BS-III	2	24
HSD BS-IV	5667	63569
HSD Others	2933	35149
LDO	64	489
LUBES	86	930
FO	615	9138
LSHS	128	411
BITUMEN	546	4658
RPC (Petcoke)	1108	12757
Others	2187	23925
TOTAL	20470	232335

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 7.8% in February 2018 as compared to February 2017. During April 2017 to February 2018 an increase of 4.8% was registered over in the corresponding period of the previous year.
- LPG production registered growth of 8.2% during February 2018 and 10.5% during April 2017 to February 2018 as compared to the corresponding period of the previous year.
- ATF production registered growth of 12.6% during February 2018 and 6.0% during April 2017 to February 2018 as compared to the corresponding period of the previous year.

- SKO production registered de-growth of 9.9% during February 2018 and 28.5% during April 2017 to February 2018 as compared to the corresponding period of the previous year.
- During April 2017 to February 2018 production of FO decreased by 17.3% and petcoke increased by 8.5% as a result of operation of bottom upgradation units.
- The percentage share contribution of various products in the total POL production during April 2017 to February 2018 is shown in figure-3 below:

Figure-3; Percentage share of POL products in production: (April 2017 – February 2018^(P))



LPG, MS, ATF, SKO and HSD accounted for 69.6% of total POL production during April 2017 to February 2018.

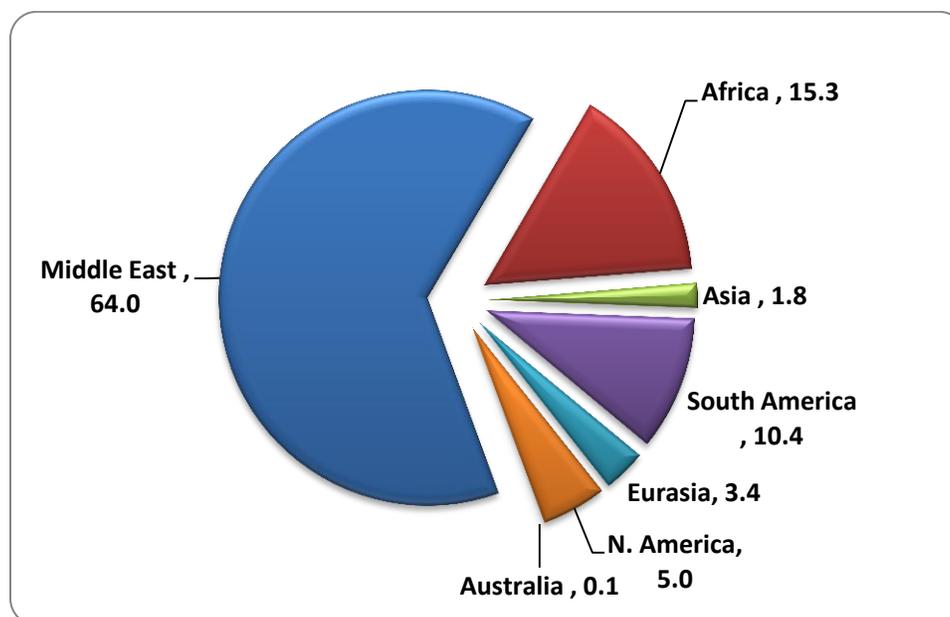
5. Import of Crude oil and Petroleum Products

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	February 2018 ^(P)	April 2017- February 2018 ^(P)
Crude oil	17531	201979
PRODUCT IMPORT #		
LPG	787	10525
MS/ Petrol	0	174
Naphtha	257	1800
ATF	23	252
HSD	6	1279
LOBS/Lube oil	185	2190
Fuel Oil	165	1022
Bitumen	78	780
Petcoke	1084	12598
Others\$	167	2274
TOTAL	2750	32893
<i>Note: (P): Provisional.. Source : Oil Companies</i>		
<i># DGCI&S data is actual upto December 2017 and prorated for January 2018 and February 2018.</i>		
<i>\$ Others include SKO, CBFS, Paraffin wax, Petroleum Jelly, LSWR , Aviation Gas etc.</i>		

- Crude oil imports during February 2018 increased by 6.5% as compared to February 2017. During April 2017 to February 2018 crude oil imports increased by 3.2% as compared to the corresponding period of the previous year.
- Crude oil imports from OPEC countries reduced to 82.6% of total imports during April 2017 to February 2018 as compared to 87.3% of total imports during the corresponding period of the previous year with increased imports from non-OPEC countries like Mexico, Brazil, US, Canada, Russia, Kazakhstan and Sudan.
- Crude oil imports of PSU/JV oil companies increased by 3.1% during February 2018 as compared to February 2017 as well as during the period April 2017 to February 2018 as compared to the corresponding period of the previous year.
- Crude oil imports of private oil companies increased by 11.9% during February 2018 as compared to February 2017 and registered an increase of 3.4% in April 2017 - February 2018 as compared to the corresponding period of the previous year.
- Region wise crude oil import share during April 2017 - February 2018^(P) is given in figure-4.

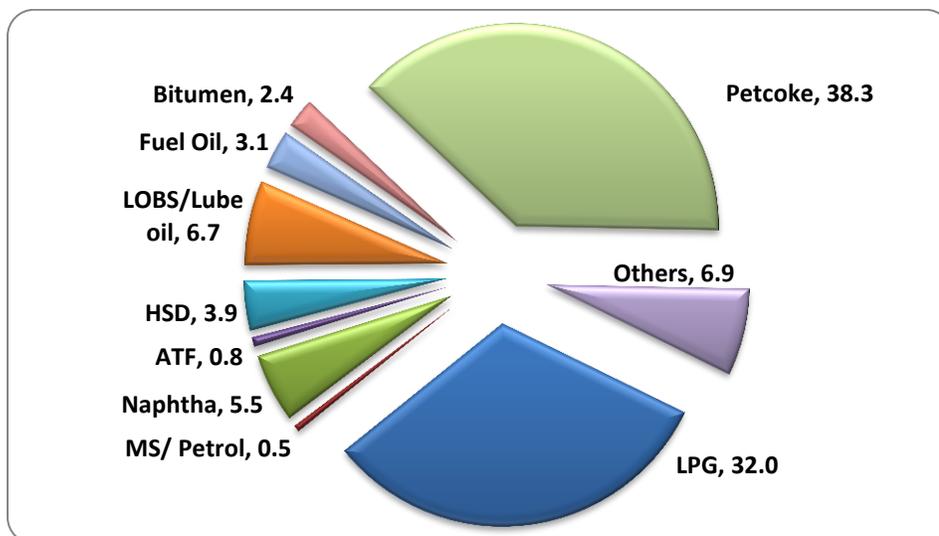
Figure-4; Region wise percentage share of crude oil imports (April 2017 – February 2018^(P))



Import of POL products increased by 6.2% during February 2018 as compared to February 2017, mainly due to increase in import of naphtha, fuel oil and petcoke. However POL imports marginally decreased by 0.5% during April 2017 to February 2018 as compared to the corresponding period of the previous year.

- LPG and petcoke imports accounted for 68.0% share of the total petroleum product imports during February 2018, while LPG alone accounted for 28.6% of total POL imports. Further, 96.0% of total LPG imports were from the Middle Eastern region during the month.
- Petcoke imports, with a percentage share of 39.4% of total POL imports during February 2018, were mainly done by cement and steel industries as a cheap substitute of coal. The percentage share of import of petcoke was higher than its cumulative share of 38.3% during April 2017 to February 2018.
- Import of naphtha increased by 23% during February 2018 as compared to February 2017. Naphtha imports decreased by 29.2% during April 2017 to February 2018 as compared to the corresponding period of the previous year due to decrease in demand of naphtha in fertilizer and petrochemical sectors.
- The percentage share of all major products in the cumulative imports of the country during April 2017 to February 2018 is shown in figure-5.

Figure-5; Percentage share of petroleum products in imports (April 2017 – February 2018^(P))



6. Export of Petroleum Products

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

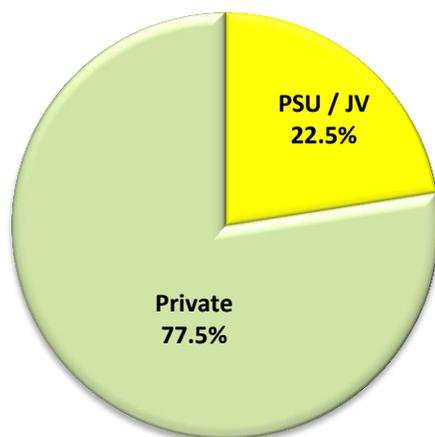
Table-3 ; Export of major petroleum products		
(Thousand Metric Tonnes)		
PRODUCT EXPORT	February 2018 ^(P)	April 2017 - February 2018 ^(P)
LPG	26	325
MS	1063	12722
NAPHTHA	824	8242
ATF	621	6458
SKO	1	16
HSD	2312	27666
LDO	0	18
LOBS/ LUBE OIL	1	12
FUEL OIL	145	2302
BITUMEN	0	60
PET COKE	55	546
VGO	0	556
OTHERS [#]	188	2570
TOTAL	5236	61492

Note: (P):Provisional. Source : Oil Companies

[#] Others in export include CBFS, Hexane, Benzene, MTO, Paraffin wax, Sulphur etc.

- Export of petroleum products increased by 14.9% during February 2018 as compared to February 2017 primarily due to surplus availability of POL products like naphtha, ATF, fuel oil and HSD which constituted 74.5% of total POL exports. Export of petroleum products increased by 4.3% during April 2017 to February 2018 as compared to April 2016 to February 2017. MS, naphtha, ATF and HSD constituted 92.1% of POL exports during April 2017 to February 2018.
- HSD exports increased by 32.0% during February 2018 in comparison to February 2017. HSD share in exports of POL was 44.2% during February 2018 as compared to 38.4% during February 2017. HSD exports grew by 12.1% during April 2017 to February 2018 as compared to the corresponding period of the previous year.
- MS exports showed de-growth of 11.7% due to increase in domestic consumption of MS during February 2018 as compared to February 2017. MS exports dropped by 7.8% during April 2017 to February 2018 as compared to the corresponding period of the previous year due to sustained demand.
- Percentage share of POL exports by PSU/JV and private oil companies during April 2017 to February 2018^(P) are given in figure-6.

Figure-6; Percentage share of PSU/JV and private oil companies in POL exports: (April 2017 – February 2018^(P))



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