

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

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

December 2017



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 December 2017 was lower by 2.1% than December 2016. ONGC registered a de-growth of 2.2% while OIL registered a growth of 2.8%. during December 2017 as compared to December 2016 PSC fields registered de-growth of 3.4% during the month as compared to December 2016.
- Total crude oil processed during December 2017 increased by 3.2% over December 2016, mainly due to increase in crude oil processed by PSU refineries. On cumulative basis crude oil processed was higher by 2.2% over the period April - December 2016.
- Production of petroleum products during December 2017 saw a growth of 6.4% over December 2016. On cumulative basis a growth of 3.8% was recorded in production over the period April - December 2016.
- Crude oil imports increased by 9.1% during December 2017 as compared to December 2016. On cumulative basis crude oil imports increased by 1.6% over the corresponding period of the previous year.
- Product imports increased by 7.3% during December 2017 as compared to December 2016 mainly due to increase in LPG imports for domestic consumption. On cumulative basis, product imports decreased by 2.9% over the corresponding period of previous year.
- Export of POL products increased by 10.9% during December 2017 as compared to December 2016 primarily due to surplus availability of MS and HSD. On cumulative basis, an increase of 2.3% was recorded in product exports over the period April - December 2016.

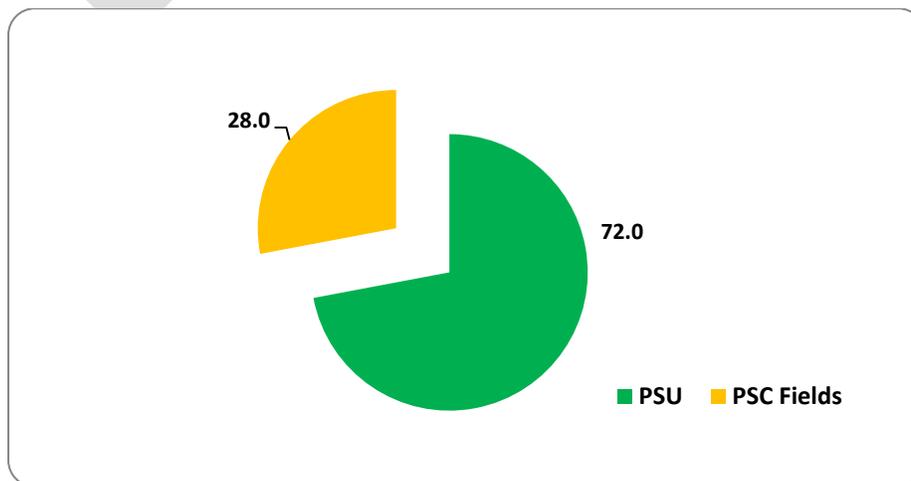
2. Indigenous crude oil and condensate production

2.1. Indigenous crude oil and condensate production decreased by 2.1% during December 2017 as compared to December 2016. On cumulative basis it marginally decreased by 0.4% as compared to April - December 2016.

- OIL's crude oil production in December 2017 was higher by 2.8% as compared to December 2016. On cumulative basis growth of 4.9% was recorded during April – December 2017 as compared to the corresponding period in 2016-17.
- In case of ONGC, crude oil and condensate production in December 2017 saw a de-growth of 2.2% as compared to December 2016. However on cumulative basis a growth of 1.3% was recorded in total crude oil and condensate production during April – December 2017 as compared to April – December 2016.
- Indigenous crude oil and condensate production under PSC fields recorded a de-growth of 3.4% during December 2017 and 5.6% during April - December 2017 as compared to the corresponding period of the previous year.

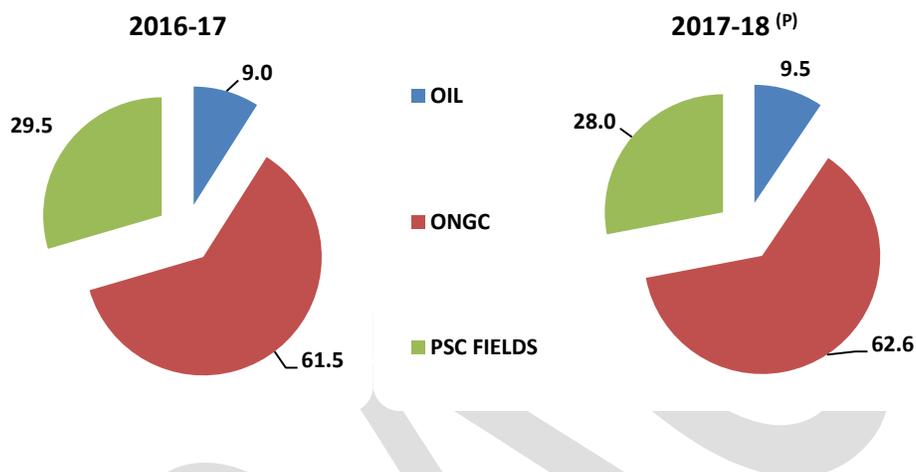
The percentage share of PSU upstream companies and PSC in overall crude oil production including condensate during April – December 2017 is shown in figure-1 below:

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



The percentage share of ONGC and OIL in overall crude oil production including condensate during April – December 2017 has increased as compared to April – December 2016, while PSC field’s share has declined. The comparison is shown in figure-2 below:

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



3. Crude oil processing by Oil Companies

The total crude oil processed by Indian refineries was 22129 TMT during December 2017 and 187964 TMT during April - December 2017.

- Indigenous crude oil processed during April - December 2017 decreased by 1.4% over April - December 2016. However, an increase of 2.8% was observed in imported crude oil processed during April - December 2017 over the corresponding period of last year.
- Indian refineries processed 74.4% of high sulphur crude during December 2017 as compared to 73.8% in December 2016. On cumulative basis 74.4% of high sulphur crude was processed during April - December 2017 as against 72.6% in the corresponding period of 2016-17.
- Self-sufficiency of petroleum products on consumption basis was 17.2% in December 2017 as against 19.1% during December 2016. On cumulative basis self-sufficiency was 17.3% during April - December 2017 as against 18.1% during April - December 2016.

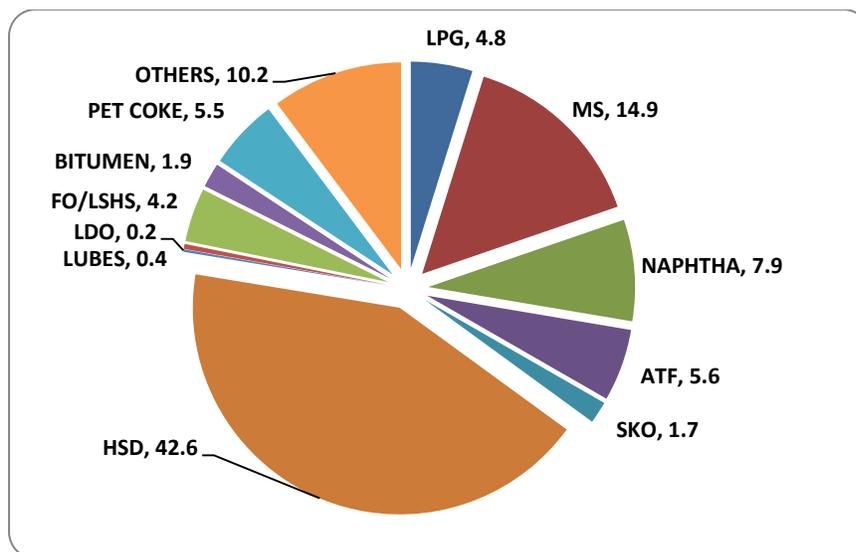
4. Production of Petroleum Products

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	December 2017 ^(P)	April-December 2017 ^(P)
LPG	1127	9103
NAPHTHA	1673	14976
MS BS-III	0	0
MS BS-IV	2039	17854
MS Others	1299	10319
ATF	1270	10672
SKO	340	3259
HSD BS-III	3	13
HSD BS-IV	6052	51518
HSD Others	3671	28882
LDO	64	367
LUBES	89	743
FO	715	7804
LSHS	17	208
BITUMEN	524	3587
RPC(Petcoke)	1237	10378
Others	2414	19254
TOTAL	22535	188935
<i>Note: All figures are provisional. Source : Oil Companies</i>		
<i>* Others include products like Propylene, solvents (Hexane, Benzene, Toluene, Xylene and Specialty solvents), Reformate, Mineral Turpentine Oil, Carbon Black Feeds Sock, Waxes, Sulphur etc.</i>		

- Production of petroleum products from refineries and fractionators increased by 6.4% in December 2017 as compared to December 2016. On cumulative basis an increase of 3.8% was registered during April - December 2017 over April - December 2016.
- SKO production registered de-growth of 14.8% during December, 2017 and 29.3% during April - December 2017 as compared to the corresponding period of the previous year.
- On cumulative basis production of FO decreased by 16.2% and petcoke increased by 7.3% as a result of operation of bottom upgradation units.
- The percentage share contribution of various products in the total POL production during April – December 2017 is shown in figure-3 below:

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



LPG, MS, ATF, SKO and HSD accounted for 69.7% of total POL production during April – December 2017.

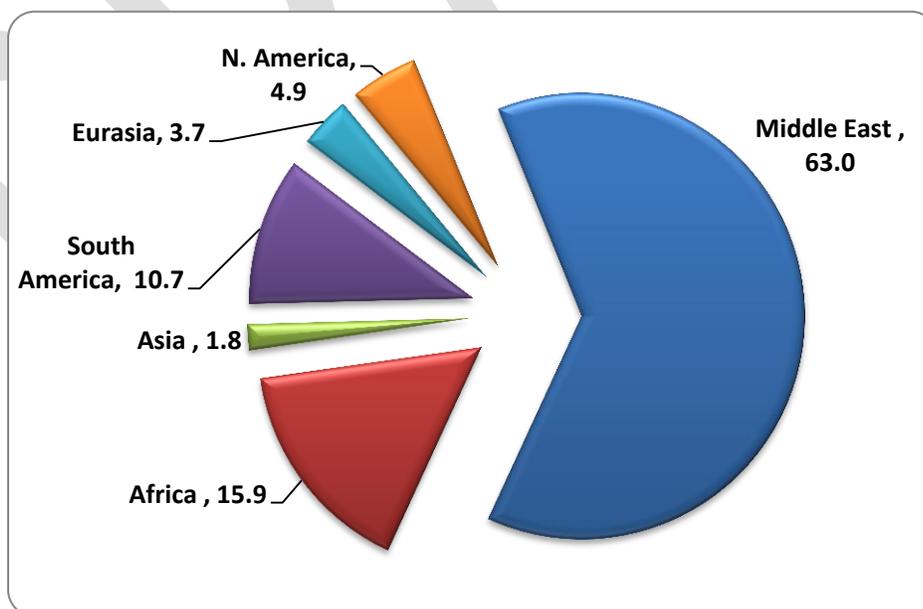
5. Import of Crude oil and Petroleum Products

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

(Thousand Metric Tonnes)		
IMPORT	December 2017 ^(P)	April - December 2017 ^(P)
Crude oil	19641	164362
PRODUCT IMPORT		
LPG	1133	8757
MS/ Petrol	0	174
Naphtha	174	1378
ATF	26	212
HSD	5	1253
LOBS/Lube oil	180	1758
Fuel Oil	75	730
Bitumen	76	600
Petcoke	1026	10125
Others [§]	323	1998
TOTAL	3018	26983
<i>Note: All figures are provisional. Source : Oil Companies</i>		
<i>§ Others include SKO, CBFS, Paraffin wax, Petroleum Jelly, LSWR , Aviation Gas etc.</i>		

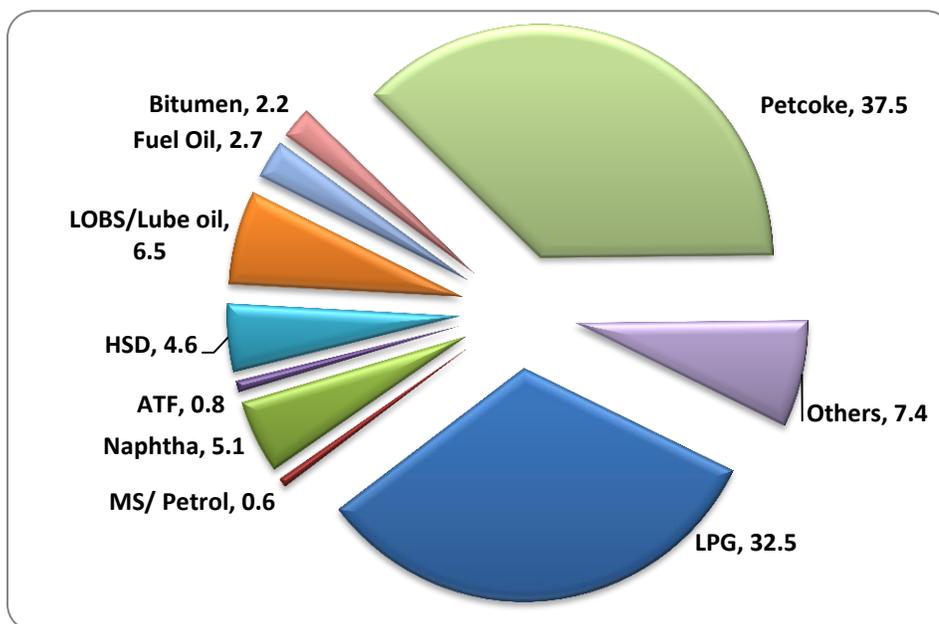
- Crude oil imports during December 2017 increased by 9.1% as compared to December 2016. On cumulative basis crude oil imports increased by 1.6% during April - December 2017 as against April - December 2016.
- Crude oil imports from OPEC countries reduced to 82.6% of total imports during April- December 2017 as compared to 87.4% of total imports during April- December 2016 with increased imports from non-OPEC countries like US, Canada, Russia, Kazakhstan and Sudan.
- Crude oil imports of PSU/JV oil companies increased by 23.2% during December 2017 and 1.6% during April - December 2017 as compared to the corresponding period of the previous year.
- Crude oil imports of private oil companies decreased by 9.3% during December 2017 as compared to December 2016 and registered an increase of 1.6% in April - December 2017 as compared to the corresponding period of the previous year.
- Region wise crude oil import share during April- December 2017 is given in figure-4.

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



- Import of POL products increased by 7.3% during December 2017 mainly due to the increase in import of petcoke. However, POL imports decreased by 2.9% during April - December 2017 as compared to the corresponding period of the previous year
- Saudi Arabia, UAE, USA, Kuwait and Qatar were the top five countries from where 70.8% of total POL products were imported during April - December 2017. LPG was mainly imported from Saudi Arabia, UAE, Qatar and Kuwait during April - December 2017. Petcoke and CBFS were major components of import of POL from USA and Saudi Arabia.
- Import of LPG and petcoke accounted for 71.5% share of the total petroleum product imports during December 2017, while LPG alone accounted for 37.5% of total POL imports. Further, 97.2% of total LPG imports were from Middle Eastern region during the month.
- Petcoke imports, with a percentage share of 34.0% of total POL imports during December 2017, were mainly done by cement and steel industries as a cheap substitute of coal. However, the percentage share of import of petcoke is lower than its cumulative share of 37.5% during April - December 2017. Saudi Arabia and USA were the main supply source for petcoke.
- Import of naphtha reduced by 26.4% during December 2017 as compared to December 2016. On cumulative basis naphtha imports decreased by 38.6% during April - December 2017 as compared to the same period of last 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 - December 2017 is shown in figure-5.

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



6. Export of Petroleum Products

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

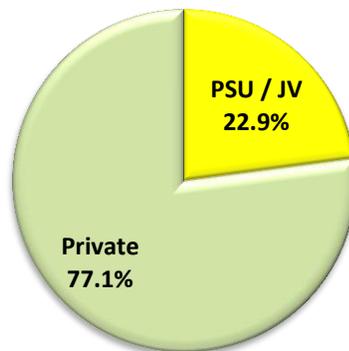
EXPORT	December 2017 ^(P)	April - December 2017 ^(P)
LPG	32	263
MS	1167	10464
NAPHTHA	658	6656
ATF	685	5197
SKO	1	13
HSD	2894	22660
LDO	0	18
LOBS/ LUBE OIL	1	11
FUEL OIL	85	1998
BITUMEN	2	57
PET COKE	58	435
VGO	40	528
OTHERS [#]	280	1998
PRODUCT EXPORT	5903	50299

Note: All figures are provisional. Source : Oil Companies

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

- Export of petroleum products increased by 10.9% during December 2017 as compared to December 2016 primarily due to surplus availability of POL products like MS and HSD which constituted 68.8% of total POL exports. On cumulative basis export of petroleum products increased by 2.3% during April - December 2017 as compared to April - December 2016. MS, Naphtha, ATF and HSD constituted 89.4% of POL exports during April - December 2017.
- HSD exports increased by 31.6% during December 2017 in comparison to December 2016. HSD share in exports of POL was 49.0% during December 2017 as compared to 41.3% during December 2016. On cumulative basis HSD exports increased by 7.4% during April - December 2017 as compared to April - December 2016.
- MS exports showed a growth of 15.0% due to surplus availability of MS during December 2017. On cumulative basis MS exports dropped by 9.5% during April - December 2017 as compared to the corresponding period of the previous year.
- Percentage share of POL exports by PSU/JV and private oil companies during April - December 2017 are given in figure-6.

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



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