

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

&

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

December 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 December 2018 was lower by 4.3% than that of December 2017. PSC fields registered de-growth of 1.7% during the month over December 2017. PSU companies OIL and ONGC registered de-growth of 4.7% and 5.4% respectively during the month over December 2017. On cumulative basis de-growth of 3.7% was registered during April – December 2018 over the corresponding period of the previous year.
- Total crude oil processed during December 2018 was 21 MMT, which was a decrease of 5% over December 2017. On cumulative basis an increase of 2.5% was registered in the total crude oil processed during April – December 2018 over the corresponding period of the previous year.
- Production of petroleum products during December 2018 saw a de-growth of 4.8% over December 2017. During April – December 2018, an increase of 4.1% was registered in the total production of petroleum products over April – December 2017.
- Crude oil imports increased by 1.1% and 3.8% during December 2018 and April-December 2018 respectively as compared to the same period of the previous year.
- Product imports decreased by 9.4% and 11.0% during December 2018 and April-December 2018 respectively over the corresponding period of the previous year. Decrease in POL product imports during April-December 2018 was due to decrease in imports of HSD and petcoke.
- Exports of products decreased by 12.0% and 6.7% during December 2018 and April-December 2018 respectively over the corresponding period of the previous year. Exports decreased during April-December 2018, mainly due to increase in domestic consumption of all products except SKO, LDO, FO and petcoke.

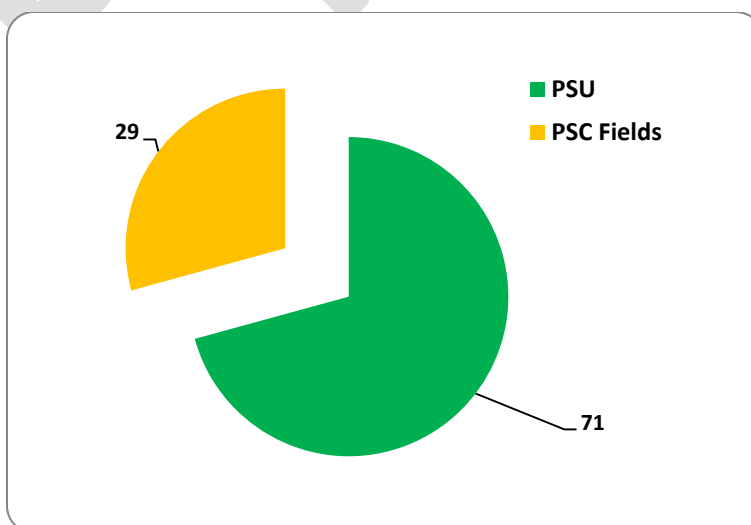
2. Indigenous crude oil and condensate production

2.1. Production of indigenous crude oil and condensate registered a de-growth of 4.3% during December 2018 as compared to December 2017 and a de-growth of 3.7% during April - December 2018 as compared to April - December 2017.

- OIL's crude oil production in December 2018 was lower by 4.7% as compared to the production during December 2017. OIL's crude oil production registered a de-growth of 1.3% during April - December 2018 as compared to the corresponding period of the previous year.
- In case of ONGC, crude oil and condensate production in December 2018 was lower by 5.4% as compared to December 2017. De-growth of 5.6% in production was recorded during April - December 2018 vis- a- vis April - December 2017.
- Indigenous crude oil and condensate production under PSC fields decreased by 1.7% during December 2018 as compared to December 2017. On cumulative basis the PSC field's production during April - December 2018 was 0.3% lower than the crude oil and condensate production during April - December 2017.

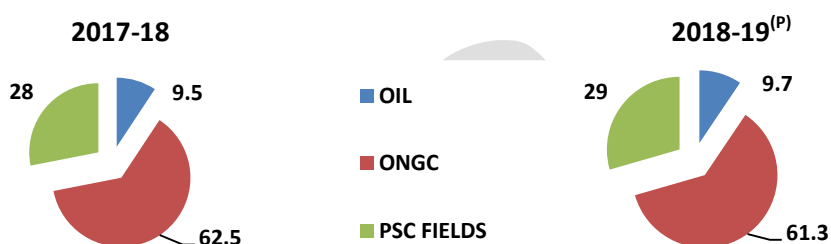
The percentage share of PSU upstream companies and PSC fields in overall crude oil and condensate production during April - December 2018^(P) is shown in figure-1 below:

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



The percentage share of ONGC in overall crude oil production including condensate decreased during April - December 2018 as compared to April - December 2017 while the share of OIL and PSC fields increased during April - December 2018 as compared to April - December 2017. 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

3.1. Total crude oil processed by Indian refineries was 21 MMT during December 2018 and 192.7 MMT during April - December 2018.

- During December 2018 crude oil processed was lower by 5% over December 2017. However during April - December 2018 crude oil processed was higher by 2.5% over the corresponding period of the previous year.
- Refineries processed 75.6% of high sulphur crudes during December 2018 as compared to 74.7% in December 2017. During April - December 2018, 75.8% high sulphur crudes were processed against 74.4% 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 15.5% in December 2018 against 16.6% during December 2017. During April - December 2018 self-sufficiency was 16.6% against 17.2% 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.

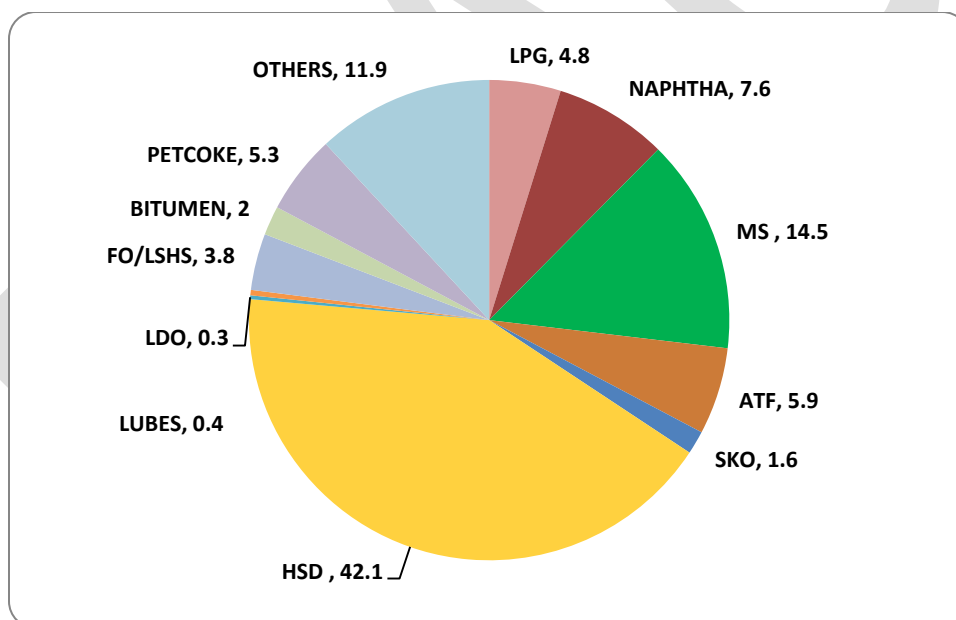
Table-1; Production of petroleum products		
<i>(Thousand Metric Tonnes)</i>		
PRODUCTS	December 2018 ^(P)	April – December 2018^(P)
LPG	1054	9474
NAPHTHA	1663	14962
MS BS-IV	1843	17700
MS BS-VI	37	468
MS Others	1115	10254
ATF	1337	11525
SKO	366	3081
HSD BS-IV	5692	52542
HSD BS-VI	56	638
HSD Others	3173	29613
LDO	40	504
LUBES	76	715
FO	848	7248
LSHS	30	305
BITUMEN	553	3861
RPC(Petcoke)	918	10451
Others	2641	23347
TOTAL	21443	196689

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 decreased by 4.8% in December 2018 and increased by 4.1% in April - December 2018 over the corresponding period of the previous year.
- LPG production registered a de-growth of 6.4% during December 2018 over December 2017. However growth of 4.1% was registered during April - December 2018 over the corresponding period of the previous year.
- Naphtha production registered a de-growth of 0.6% and 0.4% respectively during December 2018 and April – December 2018 over the corresponding period of the previous year.

- FO production increased by 18.6% during December 2018 over December 2017. However a decrease of 6.9% was registered during April - December 2018 over the corresponding period of the previous year.
- Bitumen production registered a growth of 5.5% during December 2018 and growth of 7.6% during April – December 2018 over the corresponding period of the previous year.
- Petcoke production decreased by 25.8% during December 2018 over December 2017. However a marginal increase of 0.7% was registered during April - December 2018 over the corresponding period of the previous year.
- The percentage share of various products in total POL production during April - December 2018 is shown in figure-3 below:

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



LPG, MS, ATF, SKO and HSD accounted for 68.8% of total POL production during April - December 2018.

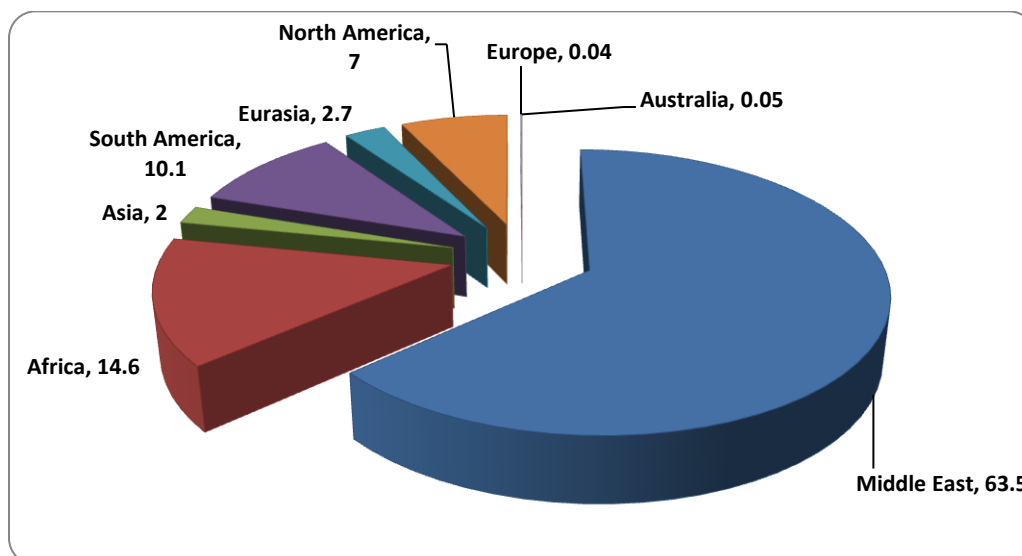
5. Import of Crude oil and Petroleum Products

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	December 2018 ^(P)	April – December 2018 ^(P)
Crude oil	19543	170526
PRODUCT #		
LPG	1187	9472
MS/ Petrol	37	355
Naphtha	182	1711
ATF	26	243
HSD	6	219
LOBS/Lube oil	231	2049
Fuel Oil	154	1147
Bitumen	79	623
Petcoke	775	5939
Others\$	311	2491
TOTAL	2989	24249
<i>"Notes: (P): Provisional. Source : Oil Companies</i>		
<i># DGCI October, November and December 2018 quantity prorated on the basis of October 2017-September 2018 actual data provided by DGCI.</i>		
<i>\$ Others include SKO, CBFS, Paraffin wax, Petroleum Jelly, LSWR , Aviation Gas etc.</i>		

- Crude oil imports increased by 1.1% and 3.8% during December 2018 and April-December 2018 respectively as compared to the same period of the previous year.
- Crude oil imports from OPEC countries decreased to 82.6% of total imports during April - December 2018 as compared to 82.8% during April - December 2017.
- Crude oil imports by PSU/JV increased by 1.0% and 8.7% during December 2018 and April - December 2018 respectively over the corresponding period of the previous year.
- Crude oil imports by private companies increased by 1.2% and decreased by 3.8% during December 2018 and April – December 2018 respectively over the corresponding period of the previous year.
- Region wise crude oil import share during April – December 2018 is given in figure-4.

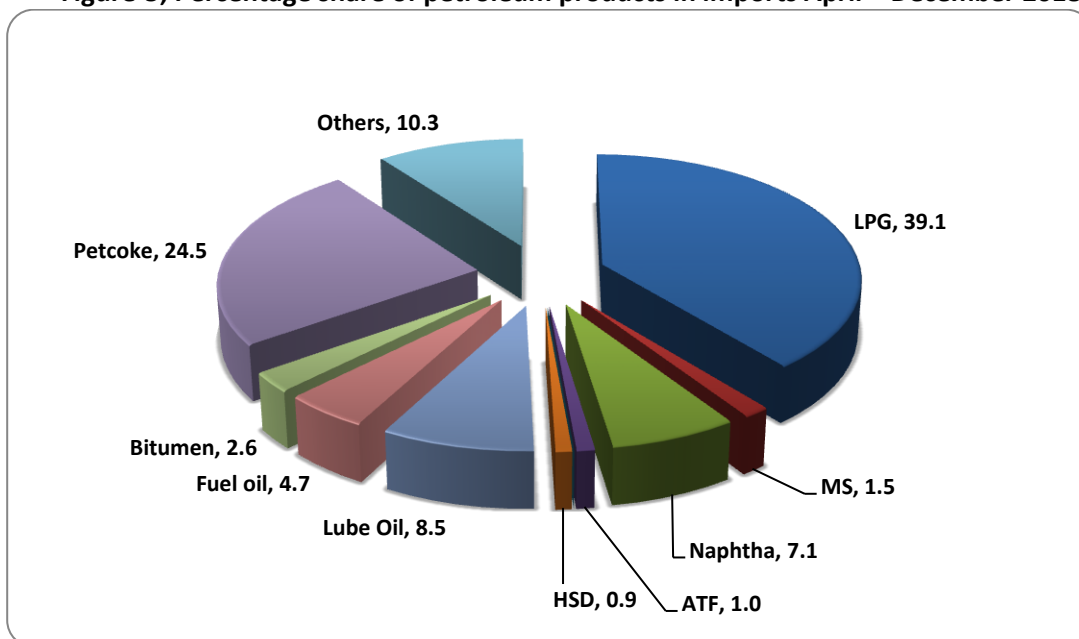
Figure-4; Region wise percentage share of crude oil imports: April - December 2018^(P)



- Product imports decreased by 9.4% and 11.0% during December 2018 and April-December 2018 respectively over the corresponding period of the previous year. Decrease in POL product imports during April-December 2018 was due to decrease in imports of HSD and petcoke.
- Imports of LPG and pet coke accounted for 65.6% share of the total petroleum product imports during December 2018, while LPG alone accounted for 39.7% of total POL imports. Further, 97.7% of total LPG imports were from the Middle Eastern region during December 2018.
- Petcoke imports, with a percentage share of 25.9% of total POL imports registered a de-growth of 42.6% during December 2018 as compared to December 2017.
- Imports of naphtha decreased by 0.9% during December 2018 as compared to December 2017. Private sector accounted for 92.4% of the total naphtha imports during April - December 2018.
- Imports of LOBS/Lube oil increased by 7.2% during December 2018 as compared to December 2017. Private sector accounted for 96.1% of the total LOBS/Lube oil imports during April - December 2018.

- The percentage share of all major products in the imports of the country during April – December 2018 is shown in figure-5.

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



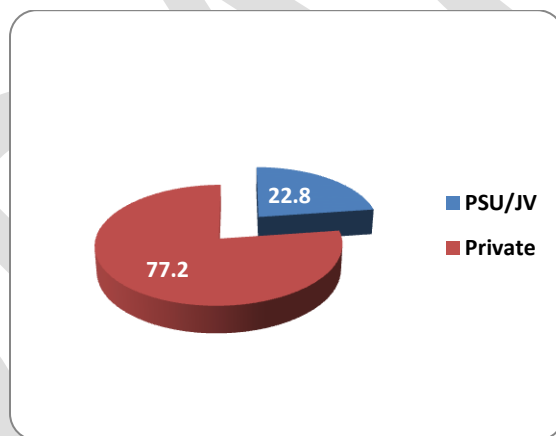
6. Export of Petroleum Products

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	December 2018 ^(P)	April – December 2018 ^(P)
LPG	41	300
MS	1047	9658
Naphtha	625	5621
ATF	647	5541
SKO	1	14
HSD	2265	21445
LDO	0	99
LOBS/Lube oil	1	5
Fuel Oil	394	1760
Bitumen	4	17
Pet Coke	0	798
VGO	42	272
Others [#]	127	1353
TOTAL EXPORT	5195	46883
<i>Note: (P): Provisional. Source : Oil Companies</i>		
<i># Others include CBFS, Hexane, Benzene, MTO, Paraffin wax, Polypropylene, Sulphur etc.</i>		

- Exports of products decreased by 12.0% and 6.7% during December 2018 and April-December 2018 respectively over the corresponding period of the previous year. Exports decreased during April-December 2018, mainly due to increase in domestic consumption of all products except SKO,LDO,FO and petcoke
- HSD exports decreased by 21.7% and 5.4% during December 2018 and April-December 2018 respectively over the corresponding period of the previous year.
- MS exports decreased by 10.3% and 7.2% during December 2018 and April- December 2018 respectively over the corresponding period of the previous year.
- Percentage share of POL exports by PSU/JV and private oil companies during April - December 2018 is given in figure -6.

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



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