

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

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

February 2019



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 2019 was lower by 6.1% than that of February 2018. ONGC, OIL and PSC fields registered de-growth of 5.1%, 6.5% and 8.3% respectively during February 2019 as compared to February 2018. On cumulative basis de-growth of 4% was registered in total indigenous production during April 2018 – February 2019 over the corresponding period of the previous year.
- Total crude oil processed during February 2019 was 20.1 MMT, which was at the same level as of February 2018. On cumulative basis an increase of 1.7% was registered in the total crude oil processed during April 2018 – February 2019 over the corresponding period of the previous year.
- Production of petroleum products during February 2019 saw a de-growth of 0.7% over February 2018. On cumulative basis an increase of 3.1% was registered in the total production of petroleum products during April 2018 – February 2019 over the corresponding period of the previous year.
- Crude oil imports decreased by 2.9% during February 2019 and increased by 2.6% during April 2018 - February 2019 as compared to the same period of the previous year.
- Product imports increased by 35.5% during February 2019 and decreased by 6.5% during April 2018 - February 2019 over the corresponding period of the previous year. Decrease in POL product imports during April 2018 - February 2019 was mainly due to decrease in imports of HSD and petcoke.
- Exports of products decreased by 21% and 9.7% during February 2019 and April 2018 – February 2019 respectively over the corresponding period of the previous year. Decrease in POL product exports during April 2018 – February 2019 was mainly due to decrease in exports of MS, naphtha, HSD, FO and VGO.

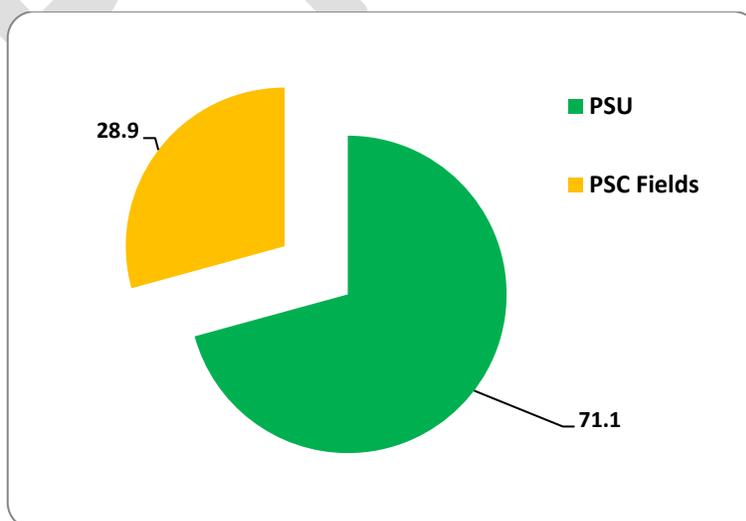
2. Indigenous crude oil and condensate production

Production of indigenous crude oil and condensate registered a de-growth of 6.1% during February 2019 as compared to February 2018 and a cumulative de-growth of 4% during April 2018 – February 2019 as compared to April 2017 – February 2018.

- OIL's crude oil production in February 2019 was lower by 6.5% as compared to the production during February 2018. OIL's crude oil production registered a de-growth of 2.6% during April 2018 - February 2019 as compared to the corresponding period of the previous year.
- In case of ONGC, crude oil and condensate production in February 2019 was lower by 5.1% as compared to February 2018. De-growth of 5.4% in production was recorded during April 2018 - February 2019 vis- a- vis April 2017- February 2018.
- Indigenous crude oil and condensate production under PSC fields decreased by 8.3% during February 2019 as compared to February 2018. On cumulative basis the PSC field's production during April 2018 - February 2019 was 1.3% lower than the crude oil and condensate production during April 2017 - February 2018.

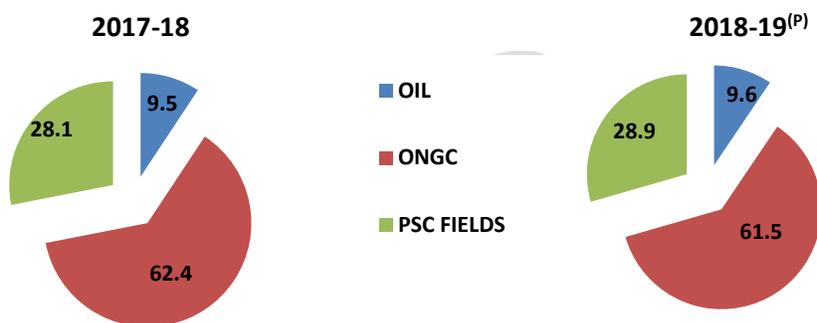
The percentage share of PSU upstream companies and PSC fields in overall crude oil and condensate production during April 2018 - February 2019 ^(P) is shown in figure-1 below:

Figure-1; Percentage share in crude oil and condensate production; April 2018 – February 2019^(P)



The percentage share of ONGC in overall crude oil production including condensate decreased during April 2018 - February 2019¹⁾ as compared to April 2017- February 2018 while the share of OIL and PSC fields increased during April 2018 - February 2019 as compared to April 2017 - February 2018. 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

Total crude oil processed by Indian refineries was 20.1 MMT during February 2019 and 234.7 MMT during April 2018 - February 2019.

- During February 2019 crude oil processed was at the same level as of February 2018. However, during April 2018 - February 2019 crude oil processed was higher by 1.7% over the corresponding period of the previous year.
- Refineries processed 73.9% of high sulphur crudes during February 2019 as compared to 77% in February 2018. During April 2018 - February 2019, 75.6% high sulphur crudes were processed against 74.9% 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 15.6% in February 2019 against 16.1% during February 2018. During April 2018 - February 2019 self-sufficiency was 16.2% against 17.1% during the corresponding period of the previous year.

4. Production of Petroleum Products

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

Table-1; Production of petroleum products		
<i>(Thousand Metric Tonnes)</i>		
PRODUCTS	February 2019 ^(P)	April 2018 – February 2019^(P)
LPG	1046	11627
NAPHTHA	1397	17962
MS BS-IV	1893	21612
MS BS-VI	69	588
MS Others	1070	12517
ATF	1232	14130
SKO	281	3724
HSD BS-IV	5666	64446
HSD BS-VI	143	821
HSD Others	2721	35356
LDO	57	619
LUBES	61	848
FO	738	8929
LSHS	44	385
BITUMEN	531	4947
RPC(Petcoke)	981	12443
Others	2389	28390
TOTAL	20321	239345

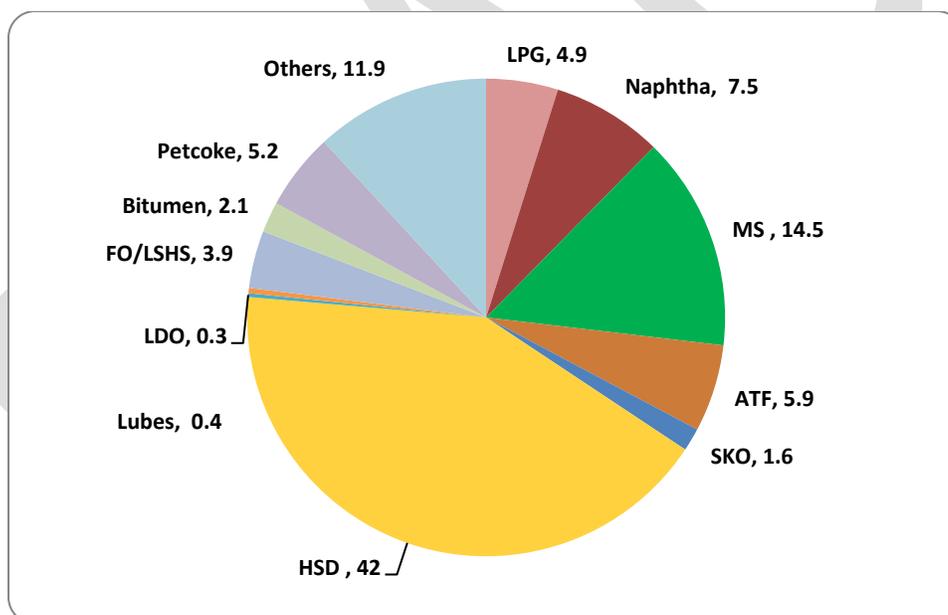
Note: (P): Provisional. Source : Oil Companies

* 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 0.7% in February 2019 and increased by 3.1% in April 2018 - February 2019 over the corresponding period of the previous year.
- LPG production registered a growth of 2% during February 2019 over February 2018 and 3.3% during April 2018 - February 2019 over the corresponding period of the previous year.
- Naptha production registered a de-growth of 7.2% and 1.9% respectively during February 2019 and April 2018 - February 2019 over the corresponding period of the previous year.

- FO production increased by 19.9% during February 2019 over February 2018. However, a decrease of 2.3% was registered during April 2018 - February 2019 over the corresponding period of the previous year.
- Bitumen production registered a de-growth of 2.7% during February 2019 and growth of 6.2% during April 2018 - February 2019 over the corresponding period of the previous year.
- Petcoke production decreased by 11.5% during February 2019 over February 2018 and by 2.5% during April 2018 - February 2019 over the corresponding period of the previous year.
- The percentage share of various products in total POL production during April 2018 - February 2019 is shown in figure-3 below:

Figure-3; Percentage share of POL products in production; April 2018 – February 2019^(P)



LPG, MS, ATF, SKO and HSD accounted for 68.9% of total POL production during April 2018 - February 2019.

5. Import of Crude oil and Petroleum Products

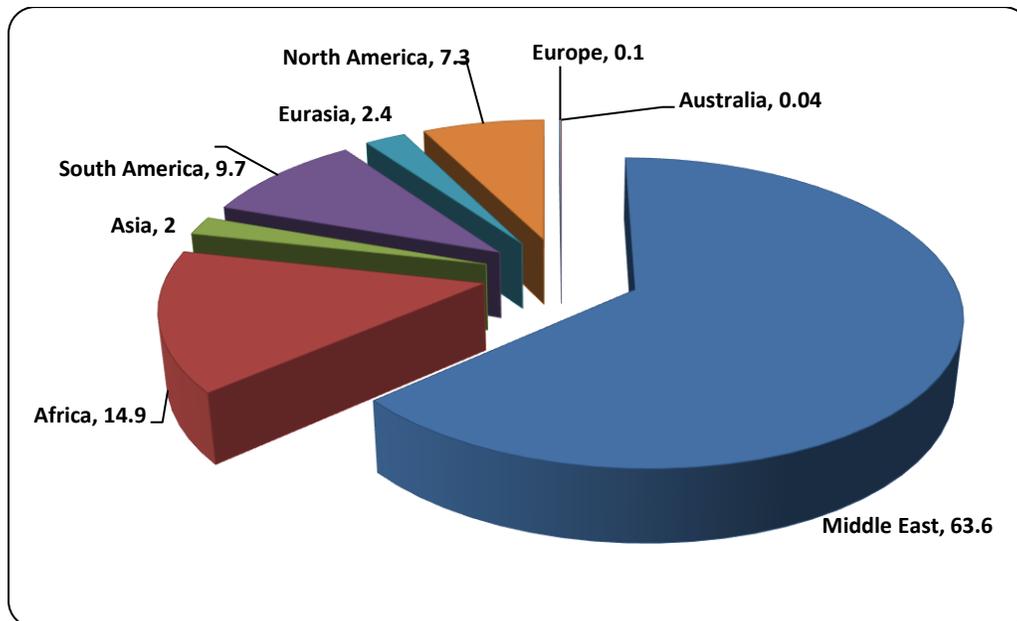
Details of import of crude oil and petroleum products are given in Table-2 below:

Table-2; Import of Crude oil and Petroleum Products		
<i>(Thousand Metric Tonnes)</i>		
IMPORT	February 2019 ^(P)	April 2018 – February 2019^(P)
Crude oil	17114	207323
PRODUCT #		
LPG	1191	11772
MS/ Petrol	138	559
Naphtha	199	2088
ATF	26	296
HSD	173	459
LOBS/Lube oil	236	2520
Fuel Oil	139	1337
Bitumen	79	780
Petcoke	775	7489
Others\$	366	3168
TOTAL	3321	30467
<i>""Notes: (P): Provisional. Source : Oil Companies & DGCI</i>		
<i># October 2018 to February 2019 private import (POL) quantity prorated on the basis of October 2017-September 2018 actual data provided by DGCI.</i>		
<i>\$ Others include SKO, Paraffin wax, Petroleum Jelly, Aviation Gas, MTBE, Reformate etc.</i>		

- Crude oil imports decreased by 2.9% during February 2019 and increased by 2.6% during April 2018 – February 2019 as compared to the same period of the previous year.
- Crude oil imports from OPEC countries decreased to 82.7% of total imports during April 2018 - February 2019 as compared to 82.9% during April 2017 - February 2018.
- Crude oil imports by PSU/JV increased by 9.3% and 8.2% during February 2019 and April 2018 - February 2019 respectively over the corresponding period of the previous year.
- Crude oil imports by private companies decreased by 20.5% and 5.8% during February 2019 and April 2018 - February 2019 respectively over the corresponding period of the previous year.

- Region wise crude oil import share during April 2018 - February 2019 is given in figure-4.

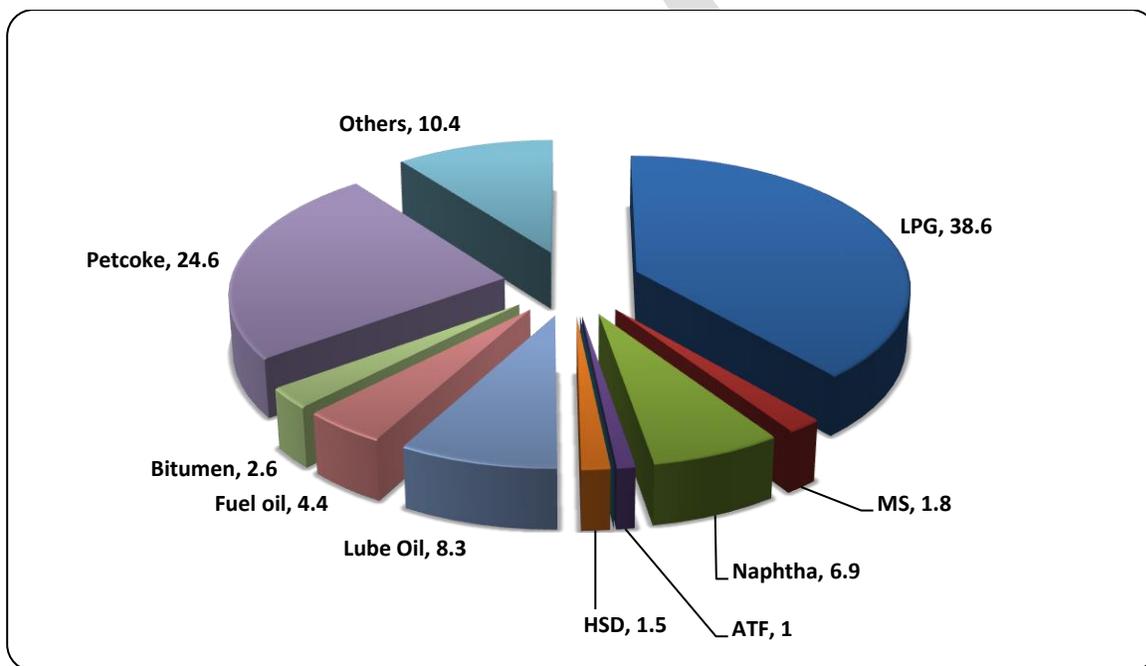
Figure-4; Region wise percentage share of crude oil imports: April 2018 – February 2019 ^(P)



- Product imports increased by 35.5% during February 2019 and decreased by 6.5% during April 2018 - February 2019 over the corresponding period of the previous year. Decrease in POL product imports during April 2018 - February 2019 was mainly due to decrease in imports of HSD and petcoke.
- Imports of LPG and petcoke accounted for 59.2% share of the total petroleum product imports during February 2019, while LPG alone accounted for 35.9% of total POL imports. Further, 98.4% of total LPG imports were from the Middle Eastern region during April 2018 – February 2019.
- Import of 138 TMT of MS was done by PSU/JV sector during February 2019 as compared to “Nil” import of MS during February 2018.
- Imports of naphtha decreased by 34.8% during February 2019 as compared to February 2018. Private sector accounted for 93.3% of the total naphtha imports during April 2018 - February 2019.

- Import of 173 TMT of HSD was done during February 2019 as compared to 7 TMT of HSD import during February 2018. PSU/JV sector accounted for 86.6% of the total HSD imports during April 2018 - February 2019.
- Imports of LOBS/lube oil decreased by 20.9% during February 2019 as compared to February 2018. Private sector accounted for 96.1% of the total LOBS/lube oil imports during April 2018 - February 2019.
- The percentage share of all major products in the imports of the country during April 2018-February 2019 is shown in figure-5.

Figure-5; Percentage share of petroleum products in imports April 2018-February 2019 ^(P)



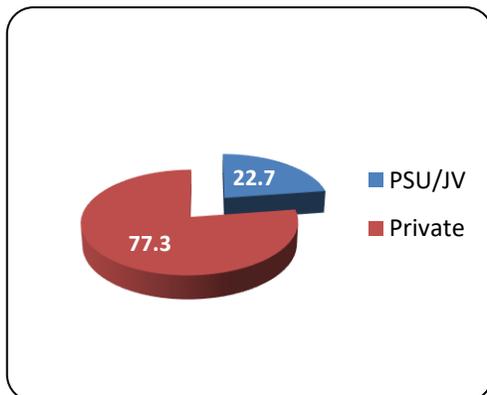
6. Export of Petroleum Products

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	February 2019 ^(P)	April 2018 – February 2019^(P)
LPG	36	376
MS	980	11681
Naphtha	428	6505
ATF	496	6644
SKO	2	17
HSD	1894	25185
LDO	0	99
LOBS/Lube oil	1	7
Fuel Oil	74	2104
Bitumen	5	22
Pet Coke	124	1007
VGO	50	414
Others [#]	52	1517
TOTAL EXPORT	4142	55578
<i>Note: (P): Provisional. Source: Oil Companies</i>		
<i># Other include Benzene, Hexane, MTO, Paraffin wax, Polypropylene, Sulphur etc.</i>		

- Exports of products decreased by 21% and 9.7% during February 2019 and April 2018 – February 2019 respectively over the corresponding period of the previous year. Decrease in POL product exports during April 2018 – February 2019 was mainly due to decrease in exports of MS, naphtha, HSD, FO and VGO.
- MS exports decreased by 7.8% each during February 2019 and April 2018- February 2019 over the corresponding period of the previous year.
- HSD exports decreased by 18.1% and 9% during February 2019 and April 2018- February 2019 respectively over the corresponding period of the previous year.
- Percentage share of POL exports by PSU/JV and private oil companies during April 2018 – February 2019 is given in figure -6.

Figure-6; Percentage share of PSU/JV and private oil companies in POL exports: April 2018 – February 2019^(P)



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