

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

&

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

March 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

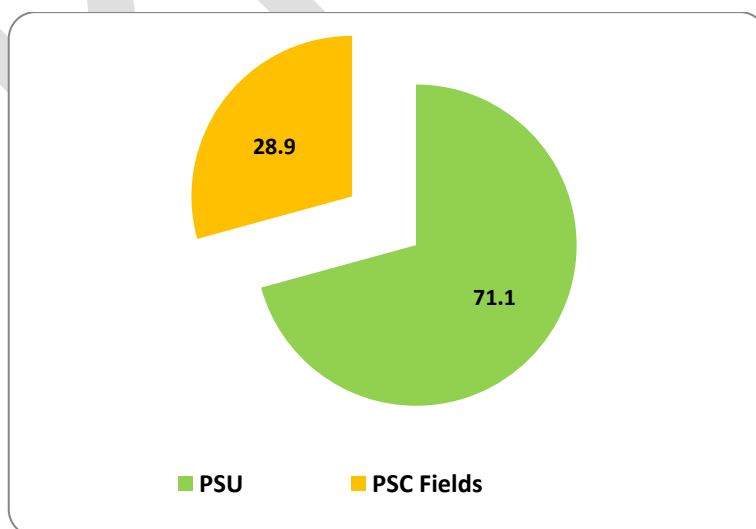
- Indigenous crude oil and condensate production during March 2019 was lower by 6.2% than that of March 2018. ONGC, OIL and PSC fields registered de-growth of 5.9%, 1.2% and 8.3% respectively during March 2019 as compared to March 2018. On cumulative basis de-growth of 4.2% was registered in total indigenous production during FY 2018-19 over FY 2017-18.
- Total crude oil processed during March 2019 was 22.5 MMT, which was 6.5% higher than March 2018. On cumulative basis an increase of 2.1% was registered in the total crude oil processed during FY 2018-19 over FY 2017-18.
- Production of petroleum products during March 2019 saw a growth of 4.5% over March 2018. On cumulative basis an increase of 3.2% was registered in the total production of petroleum products during FY 2018-19 over FY 2017-18.
- Crude oil imports increased by 5.0% and 2.8% during March 2019 and FY 2018-19 respectively as compared to the corresponding period of the previous year.
- POL products imports increased by 4.6% during March 2019 and decreased by 8.3% during FY 2018-19 over the corresponding period of the previous year. Decrease in POL products imports during FY 2018-19 was due to decrease in imports of naphtha, ATF, HSD, bitumen and pet-coke.
- Exports of POL products increased by 3.9% during March 2019 and decreased by 8.6% during FY 2018-19 over the corresponding period of the previous year. Decrease in POL exports during FY 2018-19 was mainly due to decrease in exports of MS, naphtha, HSD and FO.

2. Indigenous crude oil and condensate production

- Production of indigenous crude oil and condensate registered a de-growth of 6.2% during March 2019 as compared to March 2018. Cumulative de-growth of 4.2% was registered in total indigenous production during FY 2018-19 over FY 2017-18.
- OIL's crude oil production in March 2019 was lower by 1.2% as compared to the production during March 2018. OIL's crude oil production registered a de-growth of 2.5% during FY 2018-19 over FY 2017-18.
- In case of ONGC, crude oil and condensate production in March 2019 was lower by 5.9% as compared to March 2018. De-growth of 5.4% in production was recorded during FY 2018-19 over FY 2017-18.
- Indigenous crude oil and condensate production under PSC fields decreased by 8.3% during March 2019 as compared to March 2018. On cumulative basis production from PSC fields during FY 2018-19 was 1.9% lower than the crude oil and condensate production during FY 2017-18.

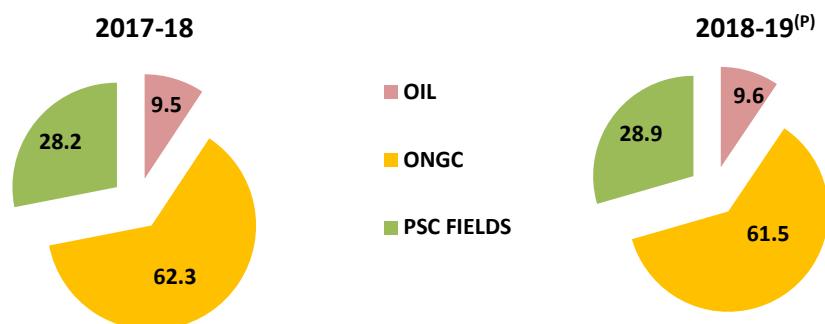
The percentage share of PSU upstream companies and PSC fields in overall crude oil and condensate production during FY 2018-19^(P) is shown in figure-1 below:

Figure-1; Percentage share in crude oil and condensate production; FY 2018 – 19^(P)



- The percentage share of ONGC in total crude oil and condensate production decreased during FY 2018-19 over the previous year while the share of OIL and PSC fields increased during FY 2018-19 over FY 2017-18. The comparison is shown in figure-2 below:

Figure-2; Percentage share in crude oil production; April - March



3. Crude oil processing by Oil Companies

- Total crude oil processed by Indian refineries was 22.5 MMT during March 2019 and 257.2 MMT during FY 2018-19.
- During March 2019 crude oil processed was higher by 6.5% over March 2018. During FY 2018-19 crude oil processed was higher by 2.1% over FY 2017-18.
- Refineries processed 74% of high sulphur crudes during March 2019 as compared to 73.2% in March 2018. During FY 2018-19, 75.4% high sulphur crudes were processed against 74.8% during FY 2017-18.
- Based on processing of indigenous crude oil/condensate and the country's domestic POL consumption, self-sufficiency of petroleum products was 15.5% in March 2019 against 17.1% during March 2018. During FY 2018-19 self-sufficiency was 16.3% against 17.1% during the corresponding period of the previous year.

4. Production of Petroleum Products

Details of production of petroleum products by refineries and fractionators are given in Table-1.

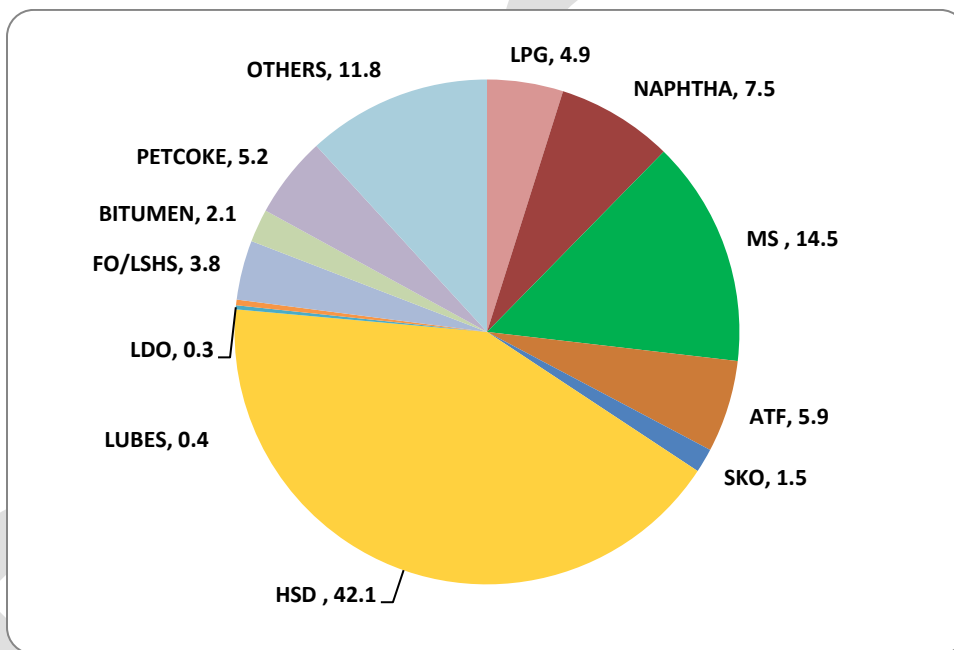
Table-1; Production of petroleum products		
<i>(Thousand Metric Tonnes)</i>		
PRODUCTS	March 2019 ^(P)	April 2018 – March 2019^(P)
LPG	1159	12786
NAPHTHA	1638	19600
MS BS-IV	2090	23702
MS BS-VI	68	656
MS Others	1164	13681
ATF	1348	15479
SKO	332	4056
HSD BS-IV	6589	71035
HSD BS-VI	142	963
HSD Others	3202	38558
LDO	61	681
LUBES	101	949
FO	539	9534
LSHS	49	434
BITUMEN	617	5564
RPC(Pet-coke)	1226	13668
Others	2690	31015
TOTAL	23016	262361

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 increased by 4.5% and 3.2% during in March 2019 and FY 2018-19 over the corresponding period of the previous year.
- LPG production registered a growth of 4.6% during March 2019 over March 2018 and 3.4% during FY 2018-19 over FY 2017-18.
- Naphtha production registered a de-growth of 2.4% and 2% respectively during March 2019 and FY 2018 - 2019 over the corresponding period of the previous year.
- FO production decreased by 14.4% during March 2019 over March 2018. A decrease of 2.4% was registered during FY 2018-19 over FY 2017-18.

- Bitumen production registered a growth of 1.1% during March 2019 and 5.6% during FY 2018-19 over FY 2017-18.
- Pet-coke production increased by 9.8% during March 2019 over March 2018. However, pet-coke production decreased by 1.5% during FY 2018-19 over FY 2017-18.
- The percentage share of various products in total POL production during FY 2018-19 is shown in figure-3 below:

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



LPG, MS, ATF, SKO and HSD accounted for 69% of total POL production during FY 2018-19.

5. Import of Crude oil and Petroleum Products

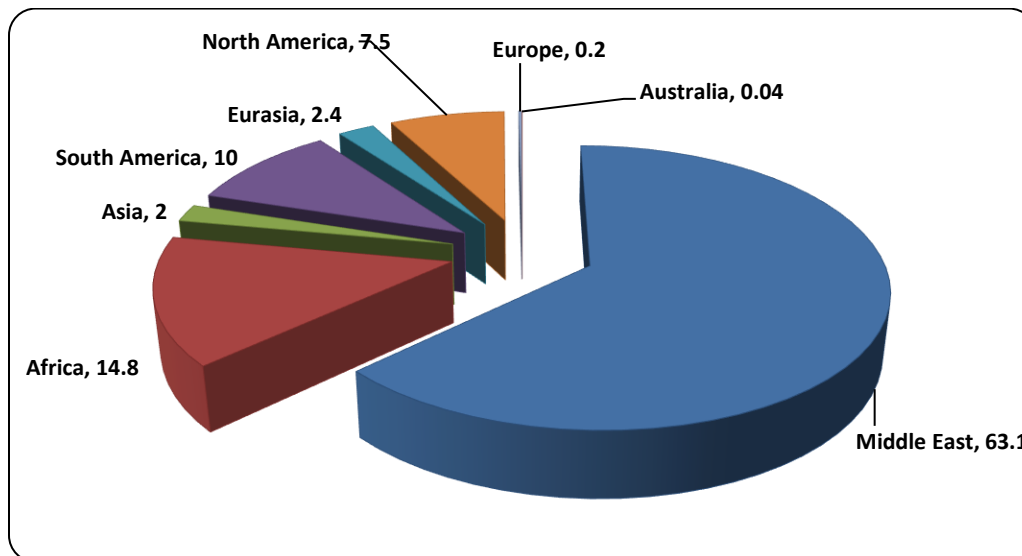
Details of import of crude oil and petroleum products are given in Table-2 below:

Table-2; Import of Crude oil and Petroleum Products		
<i>(Thousand Metric Tonnes)</i>		
IMPORT	March 2019 ^(P)	2018-19^(P)
Crude oil	19321	226642
PRODUCT #		
LPG	1398	13194
MS/ Petrol	148	670
Naphtha	157	2012
ATF	24	291
HSD	71	550
LOBS/Lube oil	232	2652
Fuel Oil	67	1379
Bitumen	73	786
Petcoke	604	7091
Others\$	247	3905
TOTAL	3020	32531
<i>"Notes: (P): Provisional. Source: Oil Companies & DGCIS</i>		
<i># February-March 2019 private import (POL) quantity prorated on the basis of February 2018-January 2019 actual data provided by DGCIS.</i>		
<i>\$ Others include SKO, Paraffin wax, Petroleum Jelly, Aviation Gas, MTBE, Reformate etc.</i>		

- Crude oil imports increased by 5% and 2.8% during March 2019 and FY 2018-19 respectively as compared to the corresponding period of the previous year.
- Crude oil imports from OPEC countries decreased to 82.2% of total imports during FY 2018-19 as compared to 83% during FY 2017-18.
- Crude oil imports by PSU/JV decreased by 0.1% and increased by 7.5% during March 2019 and FY 2018-19 respectively over the corresponding period of the previous year.
- Crude oil imports by private companies increased by 13% and decreased by 4.3% during March 2019 and FY 2018-19 respectively over the corresponding period of the previous year.

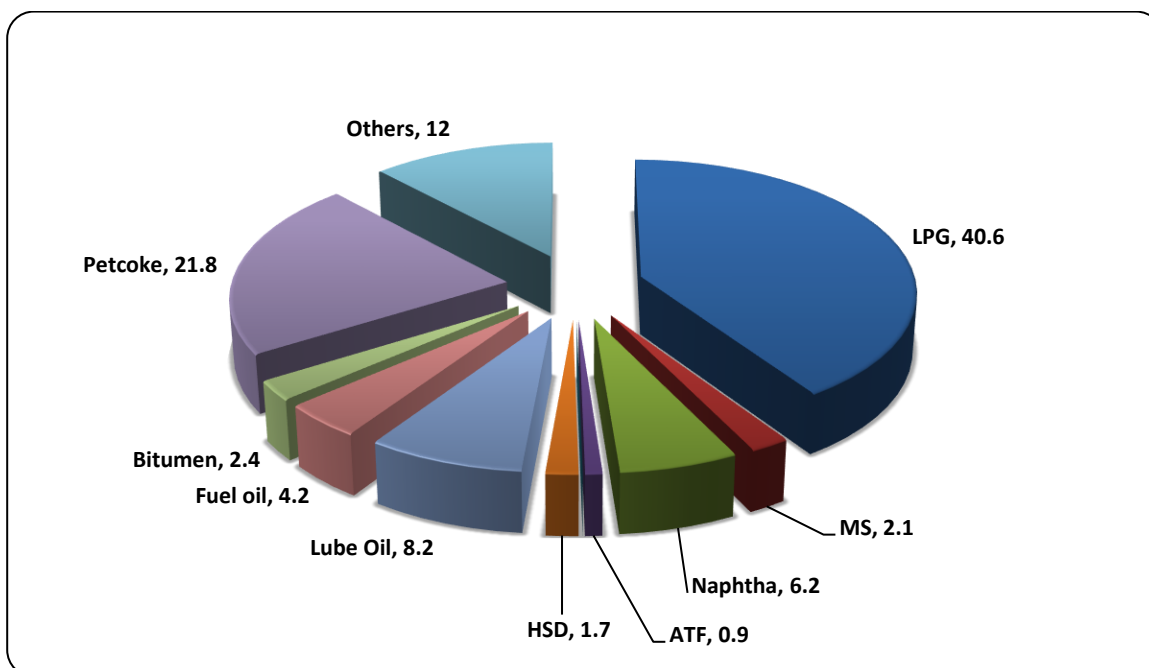
- Region wise crude oil import share during FY 2018-19 is given in figure-4.

Figure-4; Region wise percentage share of crude oil imports; FY 2018-19 ^(P)



- Product imports increased by 4.6% during March 2019 and decreased by 8.3% during FY 2018-19 over the corresponding historical period. Decrease in POL product imports during FY 2018-19 was due to decrease in imports of naphtha, ATF, HSD, bitumen and pet-coke.
- Imports of LPG and pet-coke accounted for 66.3% share of the total petroleum product imports during March 2019, while LPG alone accounted for 46.3% of total POL imports. Further, 98.1% of total LPG imports were from the Middle Eastern region during FY 2018-19.
- Imports of naphtha decreased by 35.5% during March 2019 as compared to March 2018.
- Imports of 71 TMT of HSD was done during March 2019 as compared to 72 TMT of HSD imports during March 2018.
- Imports of LOBS/lube oil decreased by 8.8% during March 2019 as compared to March 2018.
- Imports of fuel oil decreased by 65% during March 2019 as compared to March 2018.
- The percentage share of all major products in the imports of the country during FY 2018-19 is shown in figure-5.

Figure-5; Percentage share of petroleum products in imports; FY 2018-19 ^(P)



6. Export of Petroleum Products

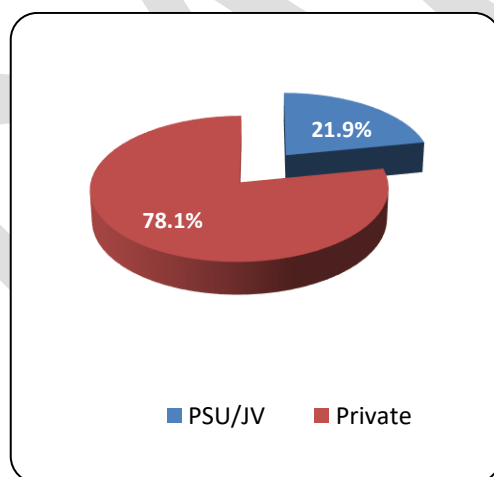
The details of export of petroleum products are given in Table-3 below:

PRODUCT	March 2019 ^(P)	2018-19 ^(P)
LPG	41	417
MS	1203	12885
Naphtha	459	6963
ATF	745	7389
SKO	2	19
HSD	2647	27833
LDO	0	99
LOBS/Lube oil	1	8
Fuel Oil	92	2197
Bitumen	0	23
Pet Coke	115	1124
VGO	75	489
Others [#]	134	1651
TOTAL EXPORT	5515	61096

Note: (P): Provisional. Source: Oil Companies
[#] Other include Benzene, Hexane, MTO, Paraffin wax, Polypropylene, Sulphur etc.

- Export of products increased by 3.9% during March 2019 and decreased by 8.6% during FY 2018-19 over the corresponding period of the previous year.
- Decrease in POL product exports during FY 2018-19 was mainly due to decrease in exports of MS, naphtha, HSD and FO.
- MS exports decreased by 12.2% and 8.2% during March 2019 and FY 2018-19 respectively over the corresponding period of the previous year.
- HSD exports increased by 29.8% and decreased by 6.3% during March 2019 and FY 2018-19 respectively over the corresponding period of the previous year.
- Percentage share of POL exports by PSU/JV and private oil companies during FY 2018-19 is given in figure -6.

Figure-6; Percentage share of PSU/JV and private oil companies in POL exports; FY 2018-19^(P)



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