

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

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

October 2019



Petroleum Planning & Analysis Cell

(Ministry of Petroleum & Natural Gas)

1. In this monthly report, indigenous crude oil production, imports and processing as well as production and imports/exports of petroleum products by oil companies are analyzed to assess the domestic availability of petroleum products in the country.

Highlights

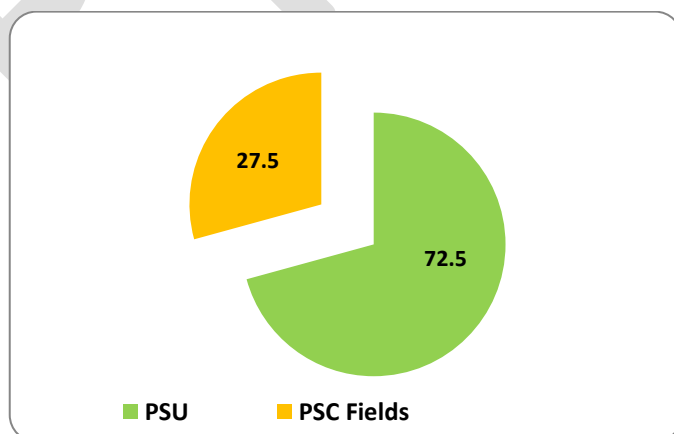
- Indigenous crude oil and condensate production during October 2019 and April – October 2019 was lower by 5.1% and 5.8% respectively as compared to the corresponding period of the previous year.
- Total crude oil processed during October 2019 was 21.9 MMT, which was 0.2% higher than October 2018. On cumulative basis total crude oil processed was 147.7 MMT which was lower by 1.9% during April – October 2019 as compared to the corresponding period of the previous year.
- Production of petroleum products saw a growth of 0.4% during October 2019. and de-growth of 1.7% during April – October 2019 over the corresponding period of the previous year.
- Crude oil imports decreased by 8.5% and 2.4% during October 2019 and April – October 2019 respectively as compared to the same period of the previous year.
- POL products imports increased by 67.2% and 34.2% during October 2019 and April – October 2019 respectively as compared to the same period of the previous year. Increase in POL products imports during April – October 2019 was due to increase in imports of all products except naphtha and aviation turbine fuel (ATF).
- Exports of POL products increased by 4% and 2.8% during October 2019 and April – October 2019 as compared to the same period of the previous year. Increase in POL products exports during April - October 2019 was due to increase in exports of naphtha and high-speed diesel (HSD).

2. Indigenous crude oil and condensate production

- Production of indigenous crude oil and condensate of 2738 TMT in October 2019 registered a de-growth of 5.1% as compared to October 2018 and as against a de-growth of 5.4% during September 2019. Total indigenous production during April - October 2019 (19110 TMT) was a 5.8% degrowth over the corresponding period of the previous year.
- OIL's crude oil production in October 2019 was lower by 3.7% as compared to the production during October 2018. OIL's crude oil production registered a de-growth of 4.2% during April - October 2019 over the corresponding period of the previous year.
- In case of ONGC, crude oil and condensate production in October 2019 was lower by 3% as compared to October 2018. De-growth of 3.8% in production was recorded during April - October 2019 over the corresponding period of the previous year.
- Indigenous crude oil and condensate production under PSC fields decreased by 10% during October 2019 as compared to October 2018. On cumulative basis production from PSC fields during April - October 2019 was 10.6% lower than the crude oil and condensate production during April - October 2018.

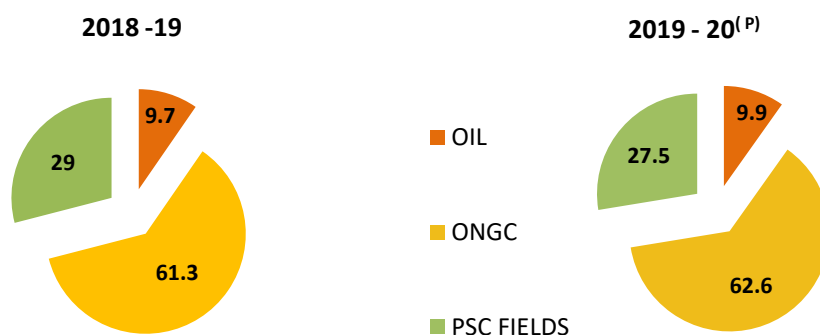
The percentage share of PSU upstream companies and PSC fields in overall crude oil and condensate production during April - October 2019 ^(P) is shown in figure-1 below:

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



- The percentage share of ONGC and OIL in total crude oil and condensate production increased while the share of PSC fields decreased during April - October 2019 over the corresponding period of the previous year. The comparison is shown in figure-2 below:

Figure-2; Percentage share in crude oil production; April – October



3. Crude oil processing by Oil Companies

- Total crude oil processed by Indian refineries was 21.9 MMT during October 2019 (as compared to 19.4MMT during September 2019) and 147.7 MMT during April - October 2019 as compared to 19.4MMT.
- Crude oil processed was higher by 0.2% during October 2019 as compared to October 2018. On cumulative basis crude oil processed was lower by 1.9% during April – October 2019 as compared to the corresponding period of the previous year.
- Refineries processed 76.4% of high sulphur crudes during October 2019 as compared to 74.1% in October 2018. During April - October 2019, 74.3% high sulphur crudes were processed as compared to 76% during April - October 2018.
- Based on processing of indigenous crude oil/condensate and the country's domestic POL consumption, self-sufficiency of petroleum products was 15.9% in October 2019 against 16.8% during October 2018. During April - October 2019 self-sufficiency was 15.5% against 16.7% 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.

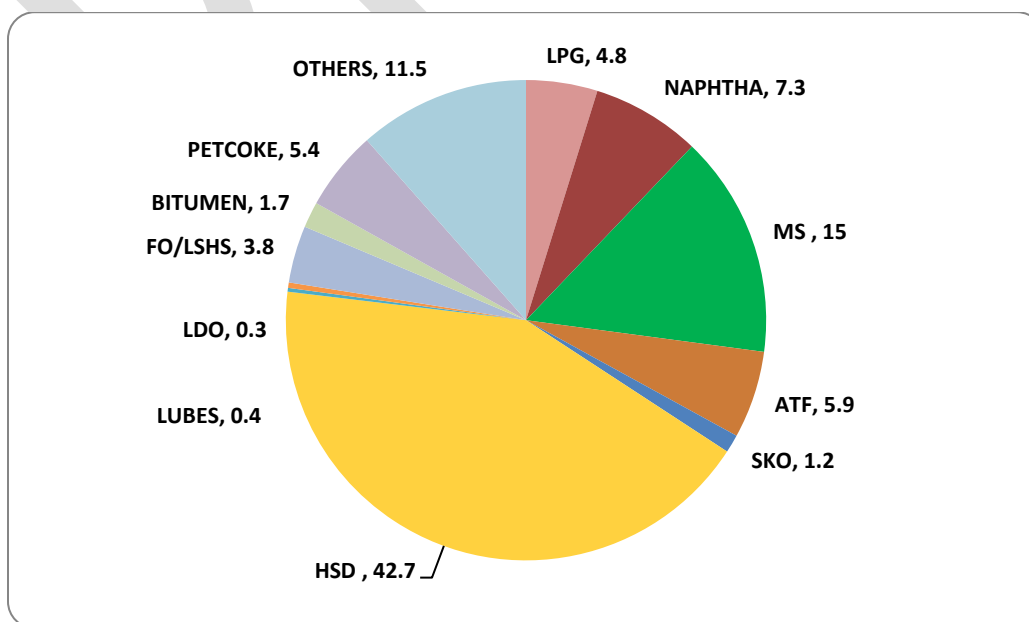
Table-1; Production of petroleum products		
<i>(Thousand Metric Tonnes)</i>		
Products	October 2019 ^(P)	April – October 2019^(P)
LPG	1159	7251
Naphtha	1796	11064
MS	3394	22578
ATF	1442	8871
SKO	204	1842
HSD	9580	64398
LDO	67	384
Lubes	78	550
FO	889	5585
LSHS	32	216
Bitumen	317	2626
RPC(Pet-coke)	1318	8105
Others	2457	17385
Total	22733	150855

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.*
LPG: Liquefied petroleum gas, MS: Motor spirit, ATF: Aviation turbine fuel; SKO: Superior kerosene oil, HSD: High speed diesel;

- Production of petroleum products from refineries and fractionators increased by 0.4% during October 2019 as compared to October 2018. However, on cumulative basis production of petroleum products was lower by 1.7% during April – October 2019 as compared to the corresponding period of the previous year.
- Liquefied petroleum gas (LPG) production registered a growth of 6.8% during October 2019 as compared to October 2018. However, on cumulative basis production of was lower by 1.7% during April – October 2019 as compared to the corresponding period of the previous year.
- Naphtha production registered a growth of 1.7% during October 2019 over October 2018. However, on cumulative basis production of was lower by 4.8% during April – October 2019 as compared to the corresponding period of the previous year.

- Motor spirit (MS) BS-VI production increased to 119 TMT during October 2019 from 45 TMT in October 2018. The cumulative production during April - October 2019 also increased to 742 TMT from 375 TMT during April - October 2018.
- High speed diesel (HSD) BS-VI production increased to 339 TMT during October 2019 from 71 TMT in October 2018. The cumulative production during April - October 2019 also increased to 1569 TMT from 521 TMT during April - October 2018.
- Furnace oil (FO) production increased by 4.4% during October 2019 over October 2018. However, the cumulative production during April – October 2019 was at the same level as in April – October 2018.
- Bitumen production registered a de-growth of 24% during October 2019 and 9% during October 2019 and April – October 2019 respectively over the corresponding period of the previous year.
- Pet-coke production increased by 4.7% during October 2019 over October 2018. However, the cumulative production during April – October 2019 decreased by 3.3% as compared to April – October 2018.
- The percentage share of various products in total POL production during April – October 2019 is shown in figure-3 below:

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



Liquefied petroleum gas (LPG), motor spirit (MS), aviation turbine fuel (ATF), superior kerosene oil (SKO) and high-speed diesel (HSD) accounted for 69.6% of total POL production during April – October 2019.

5. Import of Crude oil and Petroleum Products

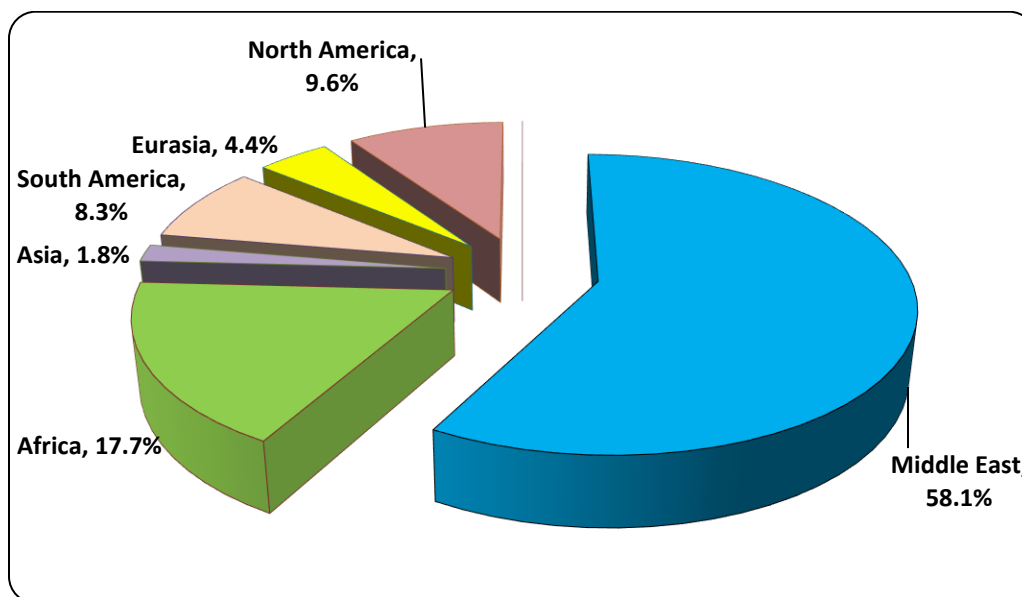
Details of import of crude oil and petroleum products are given in Table-2 below:

Table-2; Import of Crude oil and Petroleum products		
<i>(Thousand Metric Tonnes)</i>		
Import	October 2019^(P)	April – October 2019^(P)
Crude oil	19303	130703
Products #		
LPG	1287	8213
MS/ Petrol	193	1449
Naphtha	159	1089
ATF	10	85
HSD	72	1151
LOBS/Lube oil	232	1540
Fuel Oil	324	1513
Bitumen	87	696
Petcoke	791	6386
Others\$	362	2046
Total	3519	24168
<i>Notes: (P): Provisional. Source: Oil Companies & DGCIS</i>		
<i># September-October 2019 private import (POL) quantity prorated based on September 2018-August 2019 actual data provided by DGCIS.</i>		
<i>\$ Others include SKO, Paraffin wax, Petroleum Jelly, Aviation Gas, MTBE, Reformate etc. LPG: Liquefied petroleum gas, MS: Motor spirit, ATF: Aviation turbine fuel; SKO: Superior kerosene oil, HSD: High speed diesel; MTBE: Methyl tert-butyl ether</i>		

- Crude oil imports decreased by 8.5% and 2.4% during October 2019 and April – October 2019 respectively as compared to the same period of the previous year.
- Crude oil imports from OPEC countries decreased to 78.7% of total imports during April – October 2019 as compared to 82.2% during April – October 2018.
- Crude oil imports by PSU/JV decreased by 9.6% and 4% during October 2019 and April – October 2019 respectively over the corresponding period of the previous year.
- Crude oil imports by private companies decreased by 6.6% during October 2019 and increased by 0.2% during April – October 2019 over the corresponding period of the previous year.

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

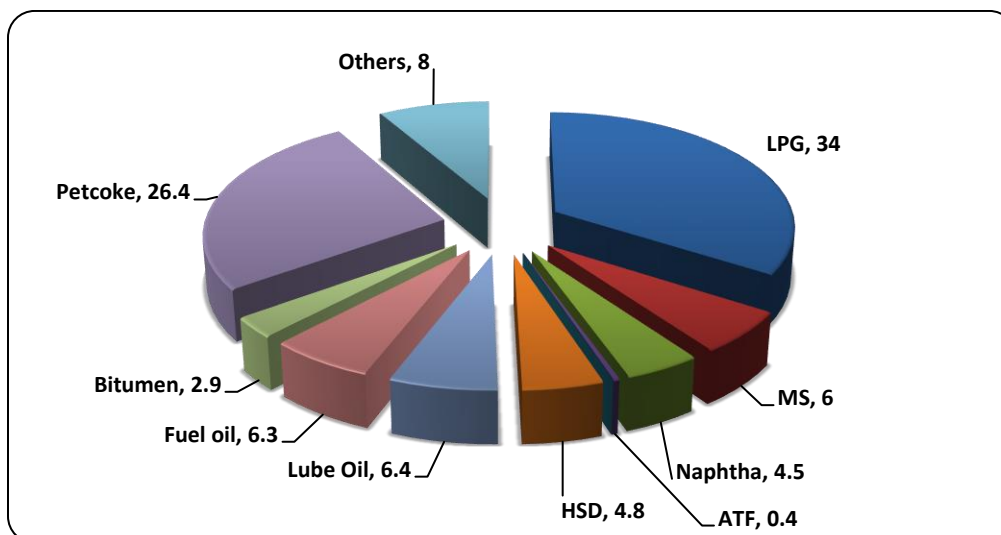
Figure-4; Region wise percentage share of crude oil imports; April – October 2019^(P)



- POL products imports increased by 67.2% and 34.2% during October 2019 and April – October 2019 respectively as compared to the same period of the previous year. Increase in POL products imports during April – October 2019 was due to increase in imports of all products except naphtha and aviation turbine fuel (ATF).
- Imports of Liquefied petroleum gas (LPG) and pet-coke accounted for 59.1% share of the total petroleum product imports during October 2019, while Liquefied petroleum gas (LPG) alone accounted for 36.6% of total POL imports. Further, 94.4% of total Liquefied petroleum gas (LPG) imports were from the Middle Eastern region during April – October 2019.
- Imports of 193 TMT of Motor spirit (MS) was done during October 2019 as compared to 36 TMT during October 2018.
- Imports of naphtha decreased by 34.2% during October 2019 as compared to October 2018.
- Import of 72 TMT of High-speed diesel (HSD) was done during October 2019 as compared to 19 TMT of HSD import during October 2018.
- Imports of LOBS/lube oil decreased by 6.2% during October 2019 as compared to October 2018.

- Imports of fuel oil increased to 324 TMT during October 2019 as compared to 50 TMT during October 2018.
- The percentage share of all major products in the imports of the country during April – October 2019 is shown in figure-5.

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



6. Export of Petroleum Products

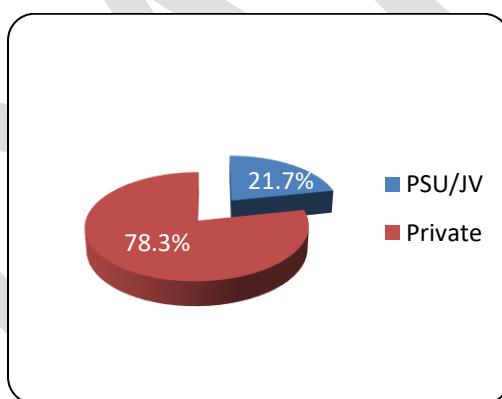
The details of export of petroleum products are given in Table-3 below:

Table-3; Export of major Petroleum products		
<i>(Thousand Metric Tonnes)</i>		
Product	October 2019^(P)	April – October 2019^(P)
LPG	37	254
MS	994	7433
Naphtha	880	4853
ATF	618	4027
SKO	1	12
HSD	3119	17751
LDO	0	0
LOBS/Lube oil	1	4
Fuel Oil	157	1125
Bitumen	2	17
Pet Coke	0	442
VGO	0	281
Others [#]	163	1260
Total Export	5971	37460

Note: (P): Provisional. Source: Oil Companies
Other include Benzene, Hexane, MTO, Paraffin wax, Polypropylene, Sulphur etc.
LPG: Liquefied petroleum gas, MS: Motor spirit, ATF: Aviation turbine fuel; SKO: Superior kerosene oil, HSD: High speed diesel, LDO : Light diesel oil, VGO : Vacuum gas oil, MTO : Mineral turpentine oil

- Exports of POL products increased by 4% and 2.8% during October 2019 and April – October 2019 as compared to the same period of the previous year. Increase in POL products exports during April - October 2019 was mainly due to increase in exports of naphtha and high-speed diesel (HSD).
- Motor Spirit (MS) exports decreased by 15.5% and 0.9% during October 2019 and April – October 2019 respectively over the corresponding period of the previous year.
- High speed diesel (HSD) exports increased by 13.8% and 5.2% during October 2019 and April – October 2019 respectively over the corresponding period of the previous year.
- Percentage share of POL exports by PSU/JV and private oil companies during April – October 2019 is given in figure -6.

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



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