

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

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

August 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 monthly to assess the domestic availability of petroleum products in the country for consumption.

Highlights

- Indigenous crude oil and condensate production during August 2019 and April - August 2019 was lower by 5.4% and 6.1% respectively as compared to the corresponding period of the previous year.
- Total crude oil processed during August 2019 was 22 MMT, which was 2.4% higher than August 2018. On cumulative basis de-growth of 1.4% was registered in the total crude oil processed during April - August 2019 over the corresponding period of the previous year.
- Production of petroleum products saw a growth of 2.6% and de-growth of 1.1% during August 2019 and April – August 2019 respectively over the corresponding period of the previous year.
- Crude oil imports increased by 5.5% during August 2019 and decreased by 0.5% during April – August 2019 as compared to the same period of the previous year.
- POL products imports increased by 23.2% and 22.1% during August 2019 and April – August 2019 respectively as compared to the same period of the previous year. Increase in POL products imports during April – August 2019 was due to increase in imports of all products except naphtha, ATF, LOBS/lube oil and fuel oil.
- Exports of POL products decreased by 5.2% during August 2019 and increased by 1.1% during April – August 2019 as compared to the same period of the previous year. Increase in POL products exports during April - August 2019 was due to increase in exports of all products except ATF, HSD, fuel oil and petcoke/CBFS.

2. Indigenous crude oil and condensate production

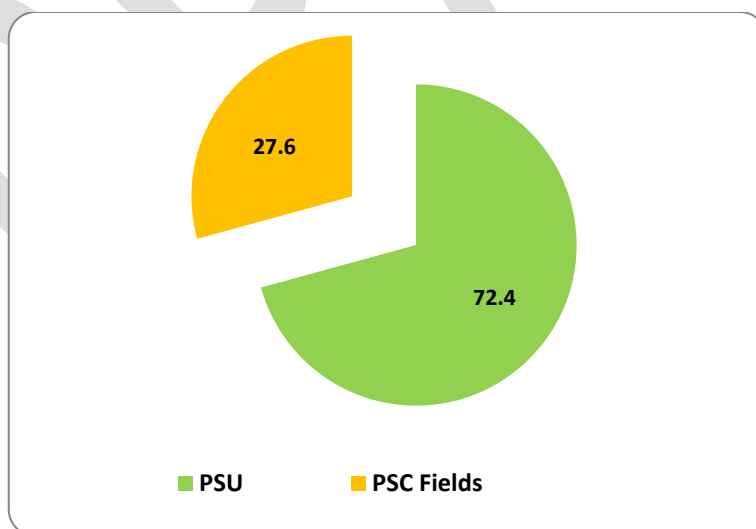
- Production of indigenous crude oil and condensate of 2750 TMT in August 2019 registered a de-growth of 5.4% as compared to August 2018. Total indigenous production

during April - August 2019 (13726 TMT) was a 6.1% degrowth over the corresponding period of the previous year.

- OIL's crude oil production in August 2019 (274 TMT) was lower by 4.2% as compared to the production during August 2018. OIL's crude oil production registered a de-growth of 4% during April - August 2019 over the corresponding period of the previous year.
- In case of ONGC, crude oil and condensate production in August 2019 (1717 TMT) was lower by 3.7% as compared to August 2018. De-growth of 4.2% in production was recorded during April - August 2019 over the corresponding period of the previous year.
- Indigenous crude oil and condensate production under PSC fields (759 TMT) decreased by 9.5% during August 2019 as compared to August 2018. On cumulative basis production from PSC fields during April - August 2019 was 10.6% lower than the crude oil and condensate production during April - August 2018.

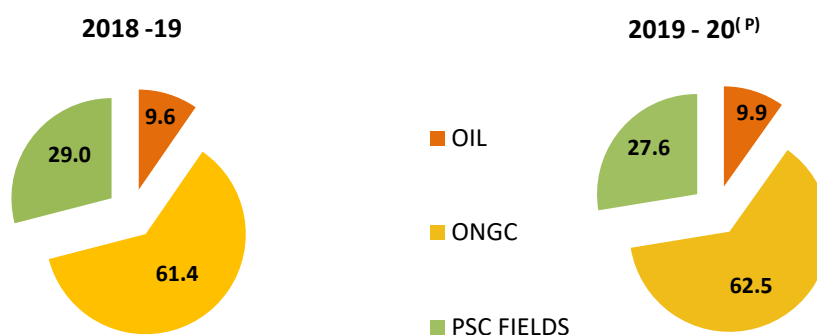
The percentage share of PSU upstream companies and PSC fields in overall crude oil and condensate production during April - August 2019 ^(P) is shown in figure-1 below:

Figure-1; Percentage share in crude oil and condensate production; April - August 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 - August 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 – July



3. Crude oil processing by Oil Companies

- Total crude oil processed by Indian refineries was 22 MMT during August 2019 and 106.3 MMT during April - August 2019.
- Crude oil processed was higher by 2.4% and lower by 1.4% respectively during August 2019 and April – August 2019 over the corresponding period of the previous year.
- Refineries processed 75.1% of high sulphur crudes during August 2019 as compared to 75.6% in August 2018. During April - August 2019, 74% high sulphur crudes were processed as compared to 76.4% during April - August 2018.
- Based on processing of indigenous crude oil/condensate and the country's domestic POL consumption, self-sufficiency of petroleum products was 15.8% in August 2019 against 17.3% during August 2018. During April - August 2019 self-sufficiency was 15.2% 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.

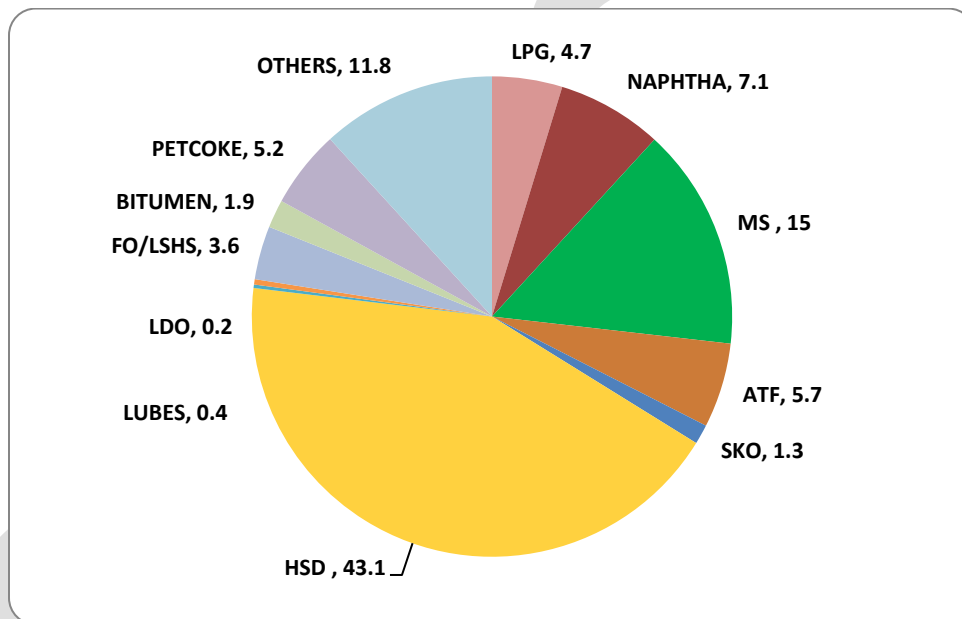
Table-1; Production of petroleum products		
<i>(Thousand Metric Tonnes)</i>		
Products	August 2019 ^(P)	April – August 2019^(P)
LPG	1062	5116
Naphtha	1739	7678
MS	3199	16214
ATF	1309	6177
SKO	267	1428
HSD	9319	46619
LDO	58	251
Lubes	99	386
FO	805	3730
LSHS	30	166
Bitumen	245	2054
RPC(Pet-coke)	1209	5673
Others	2844	12741
Total	22185	108233

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 2.6% and decreased by 1.1% respectively during August 2019 and April – August 2019 over the corresponding period of the previous year.
- LPG production registered a growth of 1.4% and de-growth of 3.4% respectively during August 2019 and April – August 2019 over the corresponding period of the previous year.
- Naphtha production registered a de-growth of 1.4% and 5.2% respectively during August 2019 and April – August 2019 over the corresponding period of the previous year.
- FO production decreased by 17% and 2.6% respectively during August 2019 and April – August 2019 over the corresponding period of the previous year.

- Bitumen production registered a growth of 13.6% and de-growth of 7.4% respectively during August 2019 and April – August 2019 over the corresponding period of the previous year.
- Pet-coke production decreased by 2.2% and 4.6% respectively during August 2019 and April – August 2019 over the corresponding period of the previous year.
- The percentage share of various products in total POL production during April – August 2019 is shown in figure-3 below:

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



LPG, MS, ATF, SKO and HSD accounted for 69.8% of total POL production during April – August 2019.

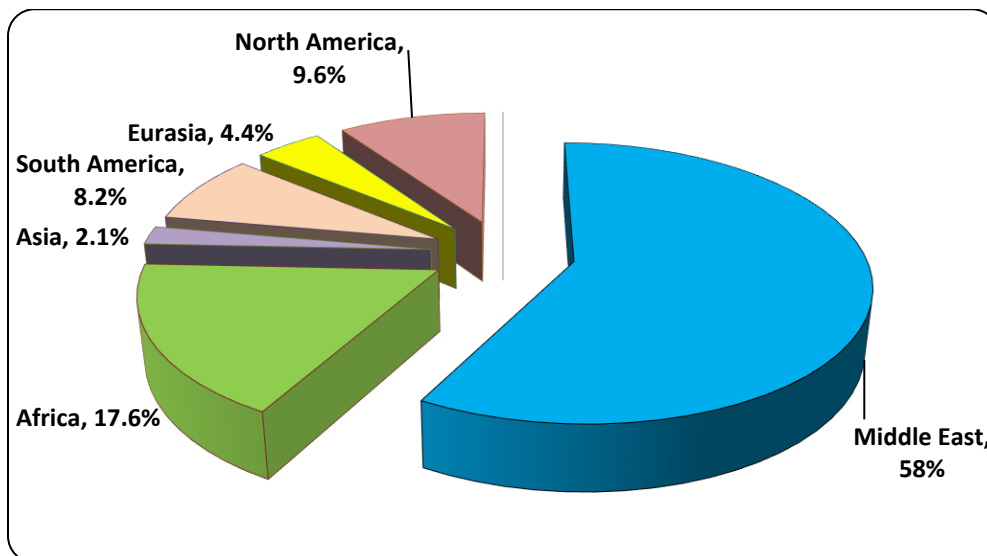
5. Import of Crude oil and Petroleum Products

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	August 2019 ^(P)	April – August 2019 ^(P)
Crude oil	19658	94450
Products #		
LPG	1216	5326
MS/ Petrol	174	847
Naphtha	225	661
ATF	16	96
HSD	51	944
LOBS/Lube oil	225	1118
Fuel Oil	306	820
Bitumen	82	540
Petcoke	760	4862
Others\$	283	1561
Total	3338	16775
<i>Notes: (P): Provisional. Source: Oil Companies & DGCIIS</i>		
<i># July-August 2019 private import (POL) quantity prorated on the basis of July 2018-June 2019 actual data provided by DGCIIS.</i>		
<i>\$ Others include SKO, Paraffin wax, Petroleum Jelly, Aviation Gas, MTBE, Reformate etc.</i>		

- Crude oil imports increased by 5.5% during August 2019 and decreased by 0.5% during April – August 2019 as compared to the same period of the previous year.
- Crude oil imports from OPEC countries decreased to 77.9% of total imports during April – August 2019 as compared to 83.2% during April – August 2018.
- Crude oil imports by PSU/JV increased by 10% during August 2019 and decreased by 1% during April – August 2019 over the corresponding period of the previous year.
- Crude oil imports by private companies decreased by 1.6% during August 2019 and increased by 0.3% during April – August 2019 over the corresponding period of the previous year.
- Region wise crude oil import share during April – August 2019 is given in figure-4.

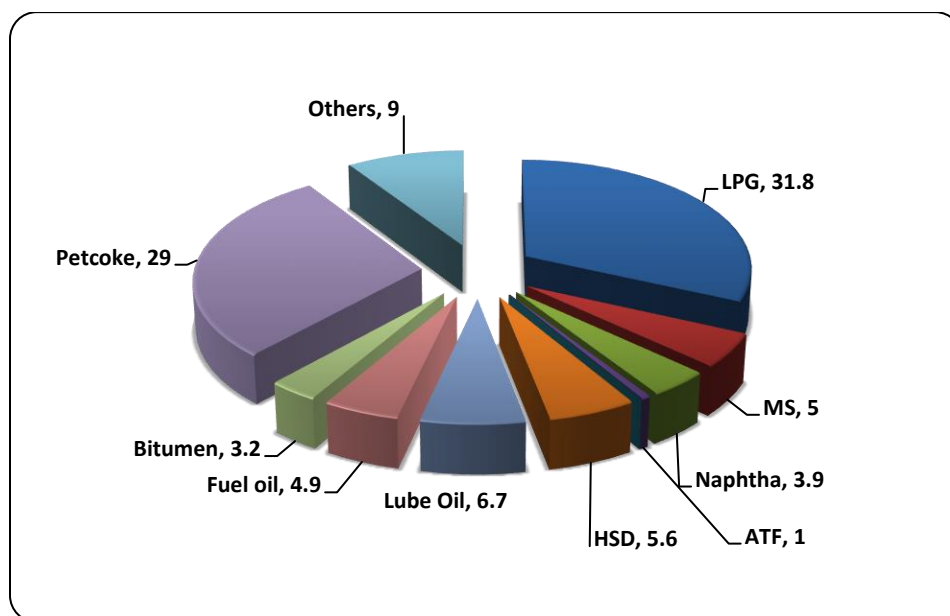
Figure-4; Region wise percentage share of crude oil imports; April – August 2019 ^(P)



- POL products imports increased by 23.2% and 22.1% during August 2019 and April – August 2019 respectively as compared to the same period of the previous year. Increase in POL products imports during April – August 2019 was due to increase in imports of all products except naphtha, ATF, LOBS/lube oil and fuel oil.
- Imports of LPG and pet-coke accounted for 59.2% share of the total petroleum product imports during August 2019, while LPG alone accounted for 36.4% of total POL imports. Further, 95.3% of total LPG imports were from the Middle Eastern region during April – August 2019.
- Imports of 174 TMT of MS was done by PSU companies during August 2019 as compared to 37 TMT during August 2018.
- Imports of naphtha increased by 45.4% during August 2019 as compared to August 2018.
- Import of 51 TMT of HSD was done during August 2019 as compared to 3 TMT of HSD import during August 2018.
- Imports of LOBS/lube oil decreased by 16.8% during August 2019 as compared to August 2018.
- Imports of fuel oil increased by 294.2% during August 2019 as compared to August 2018.

- The percentage share of all major products in the imports of the country during April – August 2019 is shown in figure-5.

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



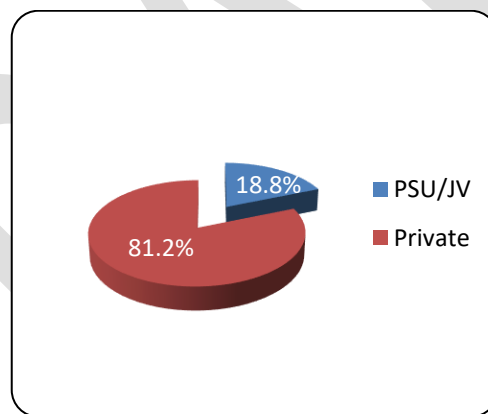
6. Export of Petroleum Products

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	August 2019 ^(P)	April – August 2019 ^(P)
LPG	32	176
MS	929	5331
Naphtha	681	3194
ATF	544	2689
SKO	2	9
HSD	2357	11310
LDO	0	0
LOBS/Lube oil	1	3
Fuel Oil	171	604
Bitumen	4	13
Pet Coke	251	442
VGO	95	202
Others [#]	238	933
Total Export	5305	24906
<i>Note: (P): Provisional. Source: Oil Companies</i>		
<i># Other include Benzene, Hexane, MTO, Paraffin wax, Polypropylene, Sulphur etc.</i>		

- Exports of POL products decreased by 5.2% during August 2019 and increased by 1.1% during April – August 2019 as compared to the same period of the previous year. Increase in POL products exports during April - August 2019 was due to increase in exports of all products except ATF, HSD, fuel oil and petcoke/CBFS.
- MS exports increased by 10.5% and 3.4% during August 2019 and April – August 2019 respectively over the corresponding period of the previous year.
- HSD exports decreased by 17.1% and 0.05% during August 2019 and April – August 2019 respectively over the corresponding period of the previous year.
- Percentage share of POL exports by PSU/JV and private oil companies during April – August 2019 is given in figure -6.

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



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