

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

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

August 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 August 2018 was lower by 3.7% than that of August 2017. PSC fields registered marginal growth of 0.7% during August 2018 as compared to August 2017 while ONGC and OIL registered de-growth of 6.1 % and 0.7% respectively. During April-August 2018 de-growth of 3.3% was registered in indigenous crude oil and condensate production over April - August 2017.
- Total crude oil processed during August 2018 was 21.4 MMT, an increase of 4.8% over August 2017. Total crude processed during April- August 2018 was higher by 5.8% as compared to April- August 2017.
- Production of petroleum products during August 2018 saw a growth of 5.1% over August 2017. On cumulative basis an increase of 7.5% was registered in the total production of petroleum products during April-August 2018 over the corresponding period of the previous year.
- Crude oil imports during August 2018 and April-August 2018 increased by 2.9% and 6.5% respectively as compared to the same period of the previous year.
- Product imports decreased by 10.3% and 5.7% during August 2018 and April-August 2018 respectively over the corresponding period of the previous year. Decrease in POL product imports during April-August 2018 was mainly due to decrease in imports of MS, HSD and petcoke.
- Exports of products decreased by 4.4% and 7.1% during August 2018 and April-August 2018 respectively over the corresponding period of the previous year. Decrease in exports during April-August 2018 was mainly due to decrease in exports of MS, naphtha and fuel oil.

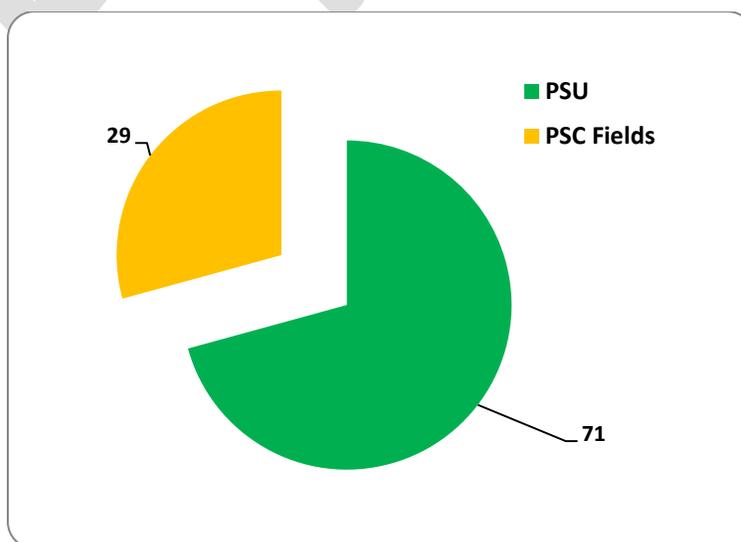
2. Indigenous crude oil and condensate production

2.1. Production of indigenous crude oil and condensate registered a de-growth of 3.7% during August 2018 as compared to August 2017 and a de-growth of 3.3% during April-August 2018 as compared to April-August 2017.

- OIL's crude oil production in August 2018 was marginally lower by 0.7% as compared to the production during August 2017. OIL's crude oil production registered a marginal de-growth of 0.4% during April-August 2018 as compared to the corresponding period of the previous year.
- In case of ONGC, crude oil and condensate production in August 2018 was lower by 6.1% as compared to August 2017. De-growth of 5.2% in production was recorded during April-August 2018 vis a vis April-August 2017.
- Indigenous crude oil and condensate production under PSC fields marginally increased by 0.7% during August 2018 as compared to August 2017. On cumulative basis the PSC fields production during April-August 2018 was 0.1% higher than the crude oil and condensate production during April-August 2017.

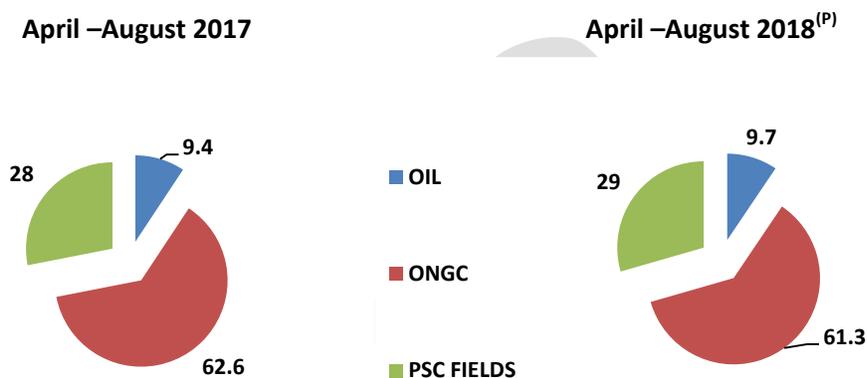
The percentage share of PSU upstream companies and PSC fields in overall crude oil and condensate production during April-August 2018^(P) is shown in figure-1 below:

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



The percentage share of ONGC in overall crude oil production including condensate decreased during April-August 2018 as compared to April-August 2017 while the share of OIL marginally increased. PSC fields' share also increased during April-August 2018 as compared to April-August 2017. The comparison is shown in figure-2 below:

Figure-2; Percentage share in crude oil and condensate production



3. Crude oil processing by Oil Companies

3.1. Total crude oil processed by Indian refineries was 21.4 MMT during August 2018 and 107.8 MMT during April-August 2018.

- During August 2018 crude oil processed was higher by 4.8% over August 2017. During April-August 2018 crude oil processed was higher by 5.8% over the corresponding period of the previous year.
- Refineries processed 75.6% of high sulphur crudes during August 2018 as compared to 74.8% in August 2017. During April-August 2018, 76.4% high sulphur crudes were processed against 73.4% 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 17.3% in August 2018 against 17% during August 2017. During April-August 2018 self-sufficiency was 16.8% against 17.6% 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.

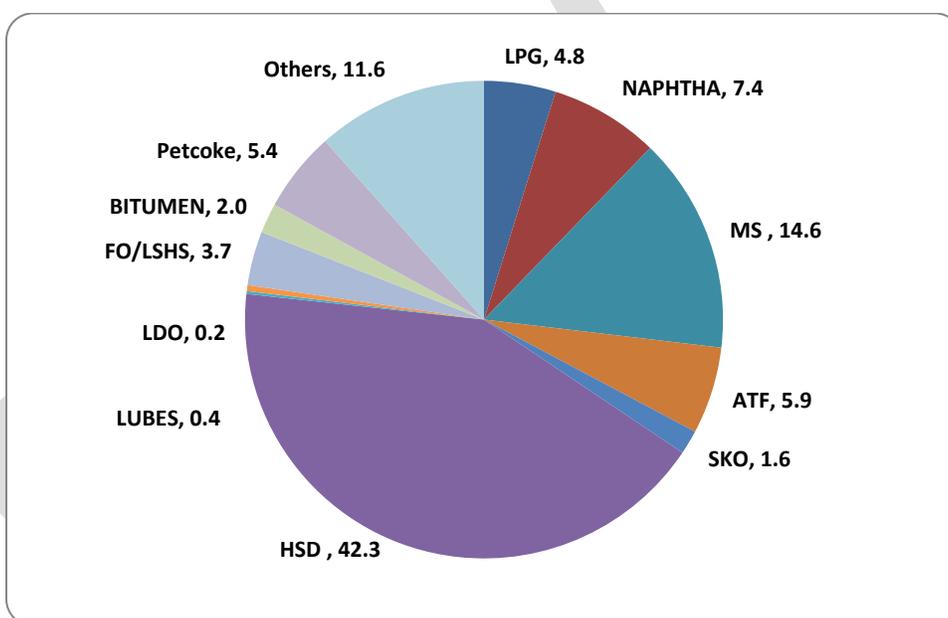
Table-1; Production of petroleum products		
<i>(Thousand Metric Tonnes)</i>		
PRODUCTS	August 2018 ^(P)	April - August 2018 ^(P)
LPG	1047	5295
NAPHTHA	1764	8100
MS BS-IV	2016	9922
MS BS-VI	58	304
MS Others	933	5798
ATF	1247	6453
SKO	358	1784
HSD BS-IV	5456	29724
HSD BS-VI	86	419
HSD Others	3391	16173
LDO	62	211
LUBES	73	443
FO	970	3831
LSHS	25	169
BITUMEN	216	2219
RPC(Petcoke)	1236	5949
Others	2691	12662
TOTAL, of which	21630	109458
<i>Note: (P): Provisional. Source : Oil Companies</i>		
<i>* Others include products like Propylene, solvents (Hexane, Benzene, Toluene, Xylene and Specialty solvents), Reformate, Mineral Turpentine Oil, Carbon Black Feedstock, Waxes, Sulphur etc.</i>		

- Production of petroleum products from refineries and fractionators increased by 5.1% in August 2018 and 7.5% in April-August 2018 over the corresponding period of the previous year.
- Production of LPG increased by 5.8%, MS by 1.6% and ATF by 13.1% during August 2018 as compared to August 2017. On cumulative basis, production of LPG increased by 9.9%, MS by 4.2% and ATF by 13.1% during April-August 2018 over April-August 2017.
- Production of naphtha increased by 11.3% during August 2018 and decreased by 0.9% during April-August 2018 over the corresponding period of the previous year.

- FO production registered de-growth of 6.4% and 14.2% respectively during August 2018 and April-August 2018 as compared to the corresponding period of the previous year.
- Petcoke production increased during August 2018 and April-August 2018 by 10% and 5.8% respectively over the corresponding period of the previous year as a result of operation of bottom upgradation units.

The percentage share of various products in total POL production during April-August 2018 is shown in figure-3 below:

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



LPG, MS, ATF, SKO and HSD accounted for 69.3% of total POL production during April-August 2018.

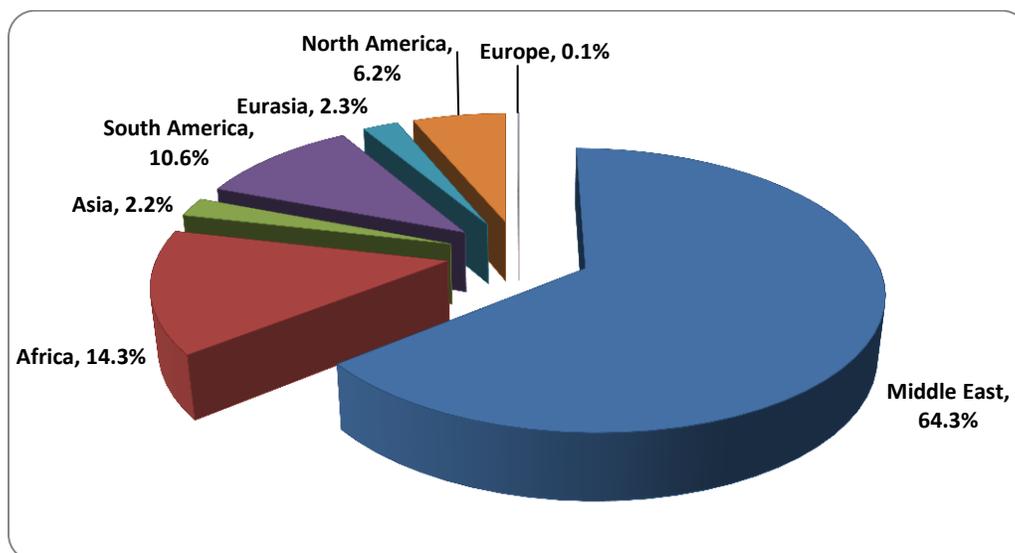
Import of Crude oil and Petroleum Products

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		
(Thousand Metric Tonnes)		
IMPORT	August 2018 ^(P)	April - August 2018 ^(P)
Crude oil	18641	94944
PRODUCT #		
LPG	1210	5125
MS/ Petrol	37	153
Naphtha	191	1071
ATF	22	104
HSD	6	205
LOBS/Lube oil	241	1135
Fuel Oil	50	789
Bitumen	79	406
Petcoke	959	4066
Others\$	174	1282
TOTAL	2971	14338
<i>"Notes: (P): Provisional. Source : Oil Companies</i>		
<i># DGCIS July and August 2018 quantity prorated on the basis of July 2017 - June 2018 actual data provided by DGCIS."</i>		
<i>\$ Others include SKO, CBFS, Paraffin wax, Petroleum Jelly, LSWR , Aviation Gas etc.</i>		

- Crude oil imports during August 2018 and April-August 2018 increased by 2.9% and 6.5% respectively as compared to August 2017 and April-August 2017.
- Crude oil imports from OPEC countries decreased to 83.3% of total imports during April-August 2018 as compared to 85% during April-August 2017 with increased imports from non OPEC countries.
- Crude oil imports by PSU/JV increased by 1% and 11.2% during August 2018 and April-August 2018 respectively over the corresponding period of the previous year.
- Crude oil imports by private companies increased by 6% during August 2018 as compared to August 2017. Crude oil imports by private companies decreased by 0.5% during April-August 2018 over the corresponding period of the previous year.
- Region wise crude oil import share during April – August 2018 is given in figure-4.

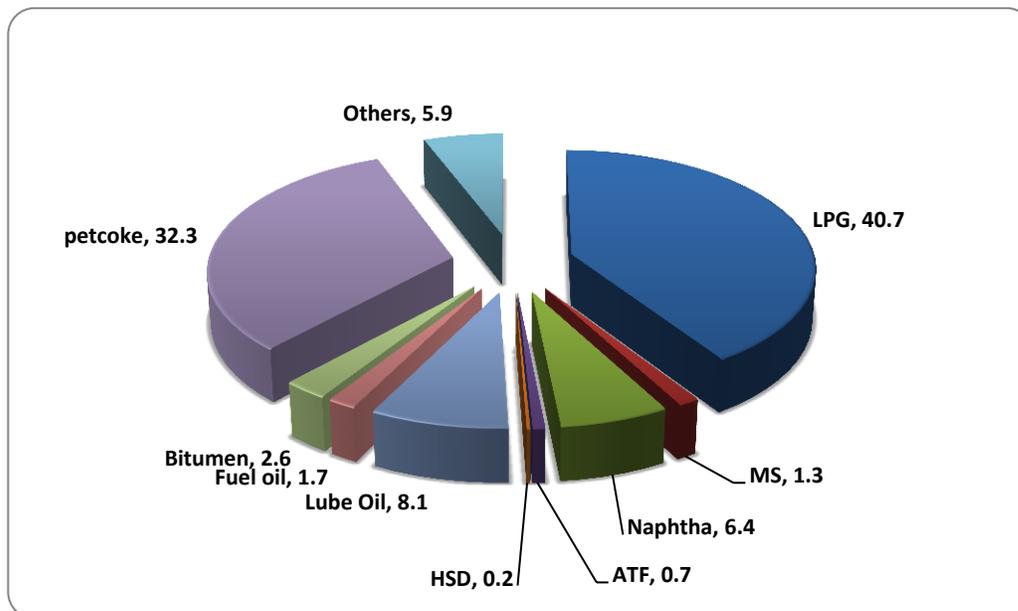
Figure-4; Region wise percentage share of crude oil imports: April-August 2018^(P)



- Product imports decreased by 10.3% and 5.7% during August 2018 and April-August 2018 respectively over the corresponding period of the previous year. Decrease in POL product imports during April-August 2018 was mainly due to decrease in imports of MS, HSD and petcoke.
- Import of LPG and petcoke accounted for 73% share of the total petroleum product imports during August 2018, while LPG alone accounted for 40.7% of total POL imports. Further, 97.7% of total LPG imports were from the Middle Eastern region during August 2018.
- Petcoke imports, with a percentage share of 32.3% of total POL imports during August 2018, were mainly done by cement and steel industries as it is a cheap substitute for coal.
- Import of naphtha increased by 13.9% during August 2018 as compared to August 2017. Private sector accounted for 94.6% of the total naphtha imports during April-August 2018.

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

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



6. Export of Petroleum Products

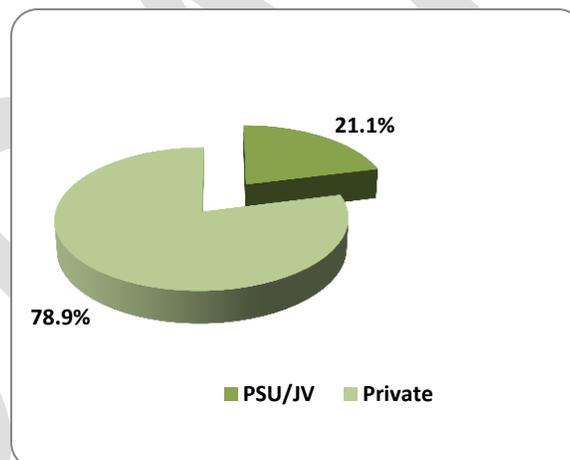
6.1 The details of export of petroleum products are given in Table-3 below:

Table-3; Export of major petroleum products		
<i>(Thousand Metric Tonnes)</i>		
PRODUCT	August 2018 ^(P)	April - August 2018 ^(P)
LPG	32	163
MS	840	5156
NAPHTHA	683	3010
ATF	611	3034
SKO	2	8
HSD	2844	11311
LOBS/ LUBE OIL	1	3
FUEL OIL	359	677
BITUMEN	2	5
PET COKE	137	469
VGO	0	117
OTHERS [#]	105	675
TOTAL	5616	24629

Note: (P): Provisional. Source : Oil Companies
Others include CBFS, Hexane, Benzene, MTO, Paraffin wax, Polypropylene, Sulphur etc.

- Exports decreased by 4.4% and 7.1% during August 2018 and April-August 2018 respectively over the corresponding period of the previous year. There was a decrease in exports of MS, naphtha, and fuel oil during April-August 2018.
- HSD exports increased by 1.8% and 1.2% during August 2018 and April-August 2018 respectively over the corresponding period of the previous year.
- MS exports decreased by 20.7% and 13.4% during August 2018 and April-August 2018 respectively over the corresponding period of the previous year.
- Percentage share of POL exports by PSU/JV and private oil companies during April-August 2018 is given in figure -6.

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



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