

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

&

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

July 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 July 2018 was lower by 5.4% than that of July 2017. ONGC and OIL registered a de-growth of 6.7 % and 0.4% respectively during July 2018 as compared to July 2017. PSC fields registered 4.1% lower production compared to that of July 2017. During April-July 2018 a de-growth of 3.2% was registered in indigenous crude oil and condensate production over April - July 2017.
- Total crude oil processed during July 2018 was 22.4 MMT, an increase of 9% over July 2017. Total crude processed during April-July 2018 was higher by 6% as compared to April-July 2017.
- Production of petroleum products during July 2018 saw a growth of 12.4% over July 2017. All products except LDO and fuel oil registered growth in production during this period. On cumulative basis an increase of 8.1% was registered in the total production of petroleum products during April – July 2018 over the corresponding period of the previous year.
- Crude oil imports increased by 12.4% and 7.3% during July 2018 and April-July 2018 respectively as compared to the corresponding period of the previous year due to increase in crude oil processed by refineries.
- Product imports decreased by 12.3% during July 2018 as compared to July 2017. Product imports decreased by 3.6% during April-July 2018 as compared to the corresponding period of the previous year mainly due to decrease in imports of HSD and petcoke.
- Product exports decreased by 3% and 7.7% during July 2018 and April-July 2018 respectively as compared to the corresponding period of the previous year due to decrease in exports of naphtha, MS and fuel oil.

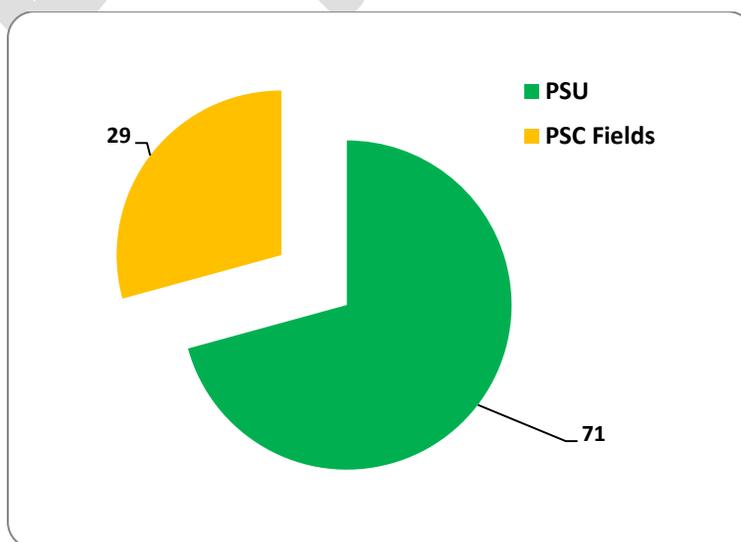
2. Indigenous crude oil and condensate production

2.1. Production of indigenous crude oil and condensate registered a de-growth of 5.4% during July 2018 as compared to July 2017 and a de-growth of 3.2% during April-July 2018 as compared to April-July 2017.

- OIL's crude oil production in July 2018 was 287 TMT which was marginally lower by 0.4% as compared to the production during July 2017. OIL's crude oil production registered a marginal de-growth of 0.3% during April-July 2018 as compared to the corresponding period of the previous year.
- In case of ONGC, crude oil and condensate production in July 2018 was lower by 6.7% as compared to July 2017. De-growth of 5% in production was recorded during April-July 2018 vis a vis April-July 2017.
- Indigenous crude oil and condensate production under PSC fields decreased by 4.1% during July 2018 as compared to July 2017. On cumulative basis the PSC fields reported production of 3397 TMT during April – July 2018 which was at the same level as during April–July 2017.

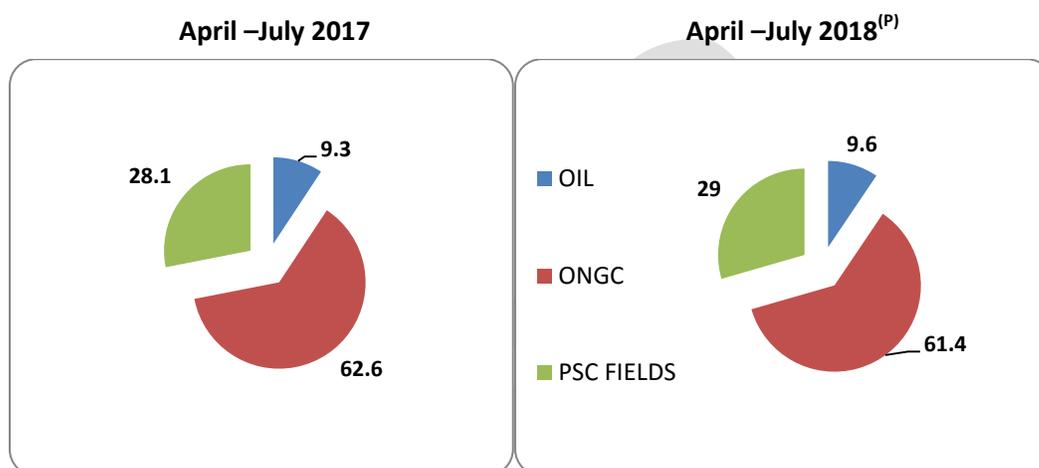
The percentage share of PSU upstream companies and PSC fields in overall crude oil and condensate production including condensate during April-July 2018^(P) is shown in figure-1 below:

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



The percentage share of ONGC in overall crude oil production including condensate decreased during April-July 2018 as compared to April-July 2017 while the share of OIL marginally increased. PSC fields' share also increased during April-July 2018 as compared to April-July 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 22.4 MMT during July 2018 and 86.4 MMT during April-July 2018.

- During July 2018 crude oil processed was higher by 9% over July 2017. During April-July 2018 crude oil processed was higher by 6% over the corresponding period of the previous year.
- Refineries processed 77.1% of high sulphur crude during July 2018 as compared to 73.1% in July 2017. During April-July 2018, 76.6% high sulphur crude was processed against 73.1% 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 17.7% in July 2018 against 19.2% during July 2017. During April-July 2018 self-sufficiency was 16.7% against 17.7% 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.

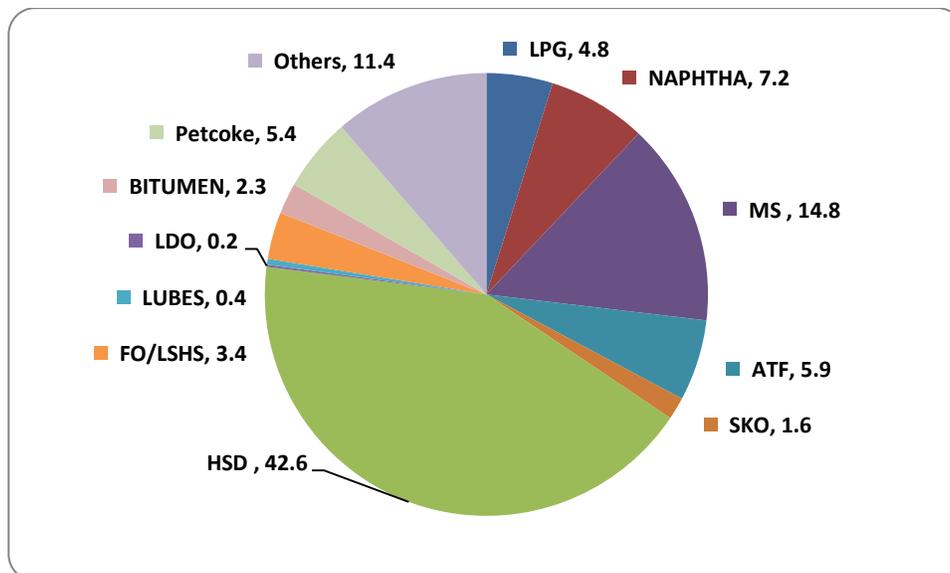
Table-1; Production of petroleum products		
<i>(Thousand Metric Tonnes)</i>		
PRODUCTS	July 2018^(P)	April - July 2018^(P)
LPG	1062	4248
NAPHTHA	1682	6336
MS BS-IV	2041	7906
MS Others	1259	5111
ATF	1408	5207
SKO	367	1429
HSD BS-III	6	26
HSD BS-IV	6006	24268
HSD Others	3567	13089
LDO	33	148
LUBES	100	370
FO	929	2861
LSHS	41	144
BITUMEN	319	2003
RPC(Petcoke)	1222	4713
Others*	2664	9969
TOTAL	22707	87828

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 12.4% in July 2018 and 8.1% in April-July 2018 over the corresponding period of the previous year.
- Production of LPG increased by 9%, MS by 7.2%, diesel by 10.8% and ATF by 15.9% during July 2018 as compared to July 2017.
- Naphtha and FO production registered a de-growth of 3.8% and 16.5% respectively during April -July 2018 as compared to the corresponding period of the previous year.
- Petcoke production increased during July 2018 and April-July 2018 by 5.2% and 4.7% 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-July 2018 is shown in figure-3 below:

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



LPG, MS, ATF, SKO and HSD accounted for 69.8% of total POL production during April-July 2018.

Import of Crude oil and Petroleum Products

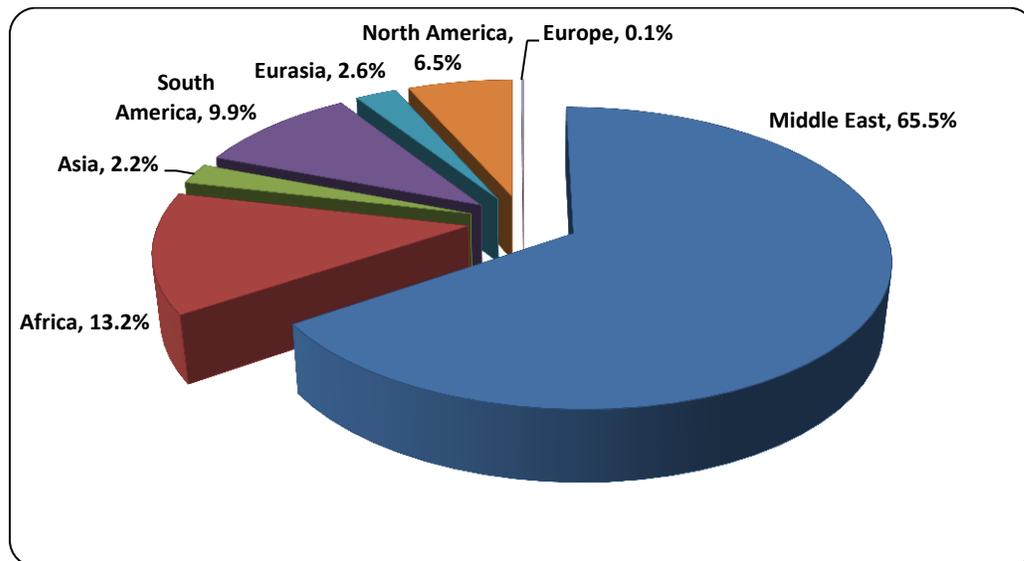
5.1 Details of import of crude oil and petroleum products are given in Table-2 below:

Table-2; Import of Crude oil and Petroleum Products		
<i>(Thousand Metric Tonnes)</i>		
IMPORT	July 2018 ^(P)	April - July 2018^(P)
Crude oil	19466	76186
PRODUCT #		
LPG	1045	3874
MS/ Petrol	0	116
Naphtha	184	912
ATF	23	91
HSD	6	199
LOBS/Lube oil	229	831
Fuel Oil	183	687
Bitumen	78	349
Petcoke	984	3396
Others\$	233	1012
TOTAL	2964	11466
<i>Notes: (P): Provisional. Source : Oil Companies</i>		
<i># DGCIS June and July 2018 quantity prorated on the basis of June – May 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 July 2018 and April-July 2018 increased by 12.4% and 7.3% respectively as compared to the corresponding period of the previous year.
- Crude oil imports from OPEC countries decreased to 83.2% of total imports during April-July 2018 as compared to 85.4% during April-July 2017 with increased imports from non-OPEC countries.
- Crude oil imports by PSU/JV increased by 15.3% and 13.6% during July 2018 and April-July 2018 respectively over the corresponding period of the previous year.
- Crude oil imports by private companies increased by 8% during July 2018 as compared to July 2017. Crude oil imports by private companies decreased by 2.1% during April- July 2018 over the corresponding period of the previous year.

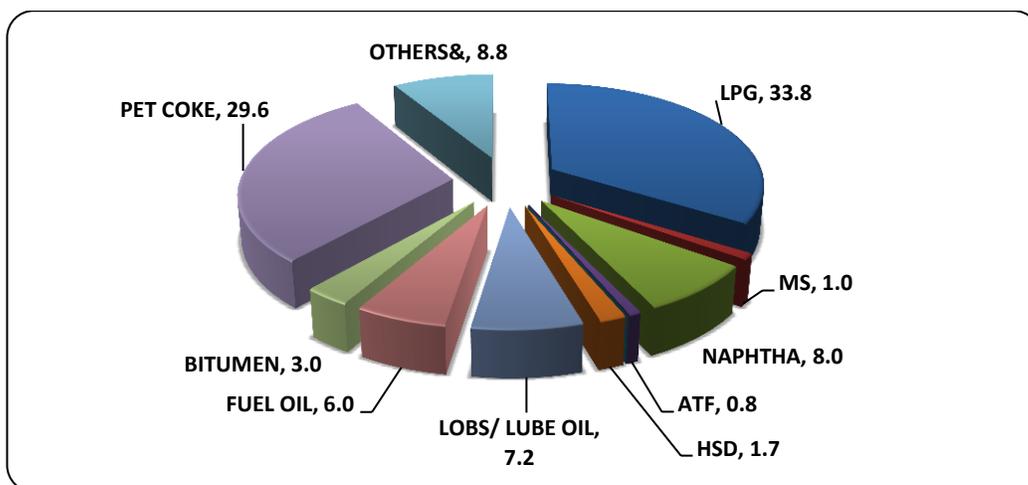
- Region wise crude oil import share during April – July 2018 is given in figure-4.

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



- Product imports decreased by 12.3% during July 2018 as compared to July 2017. Product imports decreased by 3.6% during April-July 2018 as compared to the corresponding period of the previous year mainly due to decrease in imports of HSD and petcoke.
- Import of LPG and Petcoke accounted for 68.4% share of the total petroleum product imports during July 2018, while LPG alone accounted for 35.3% of total POL imports. Further, 97.2% of total LPG imports were from the Middle Eastern region during July 2018.
- Petcoke imports, with a percentage share of 33.2% of total POL imports during July 2018, were mainly done by cement and steel industries as it is a cheap substitute of coal.
- Import of naphtha increased by 10.9% during July 2018 as compared to July 2017 due to increase in demand of naphtha in fertilizer and petrochemical sectors where it is used as a feedstock for production of urea and petrochemical products respectively. The private sector accounted for 95.2% of total naphtha imports during April-July 2018.
- The percentage share of all major products in the imports of the country during April-July 2018 is shown in figure-5.

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



6. Export of Petroleum Products

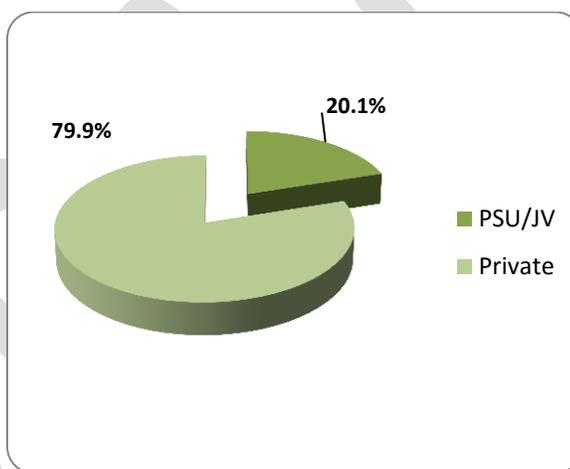
6.1 The details of export of petroleum products are given in Table-3 below:

PRODUCT	July 2018 ^(P)	April - July 2018 ^(P)
LPG	34	131
MS	1047	4316
NAPHTHA	621	2328
ATF	653	2423
SKO	2	6
HSD	2511	8496
LOBS/ LUBE OIL	1	2
FUEL OIL	194	318
BITUMEN	0	4
PET COKE	132	332
VGO	39	117
OTHERS [#]	139	570
TOTAL	5372	19042

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

- Product exports decreased by 3% during July 2018 as compared to July 2017. Product exports decreased by 7.7% in April-July 2018 as compared to the corresponding period of the previous year due to decrease in exports of naphtha, MS and fuel oil.
- HSD exports increased by 17% and 1.4% during July 2018 and April-July 2018 respectively over the corresponding period of the previous year.
- MS exports decreased by 16.9% and 11.8% during July 2018 and April-July 2018 respectively over the corresponding period of the previous year
- Percentage share of POL exports by PSU/JV and private oil companies during April-July 2017 and April-July 2018 is given in figure -6.

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



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