

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

&

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

March 2021



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 are analyzed to assess the domestic availability of petroleum products in the country.

Highlights

- Indigenous crude oil and condensate production during March 2021 and April – March 2021 was lower by 3.1 % and 5.2 % respectively as compared to the corresponding period of the previous year.
- Crude oil imports decreased by 6.4% and 12.7% during March 2021 and April-March 2021 respectively as compared to the corresponding period of the previous year.
- Crude oil processed in refineries during March 2021 was 21.0 MMT, which was 1.0% lower than March 2020. On cumulative basis total crude oil processed was 221.8 MMT which was lower by 12.8 % during April – March 2021 as compared to April – March 2020.
- Production of petroleum products saw a de-growth of 0.7 % and 11.2 % respectively during March 2021 and April – March 2021 over the corresponding period of the previous year.
- POL products imports increased by 8.6% and decreased by 0.7% during March 2021 and April-March 2021 respectively as compared to the corresponding period of the previous year. Decrease in POL products imports during April-March 2021 was mainly due to decrease in imports of high speed diesel (HSD), motor sprit (MS), LOBS/Lube oil, naphtha and aviation turbine fuel (ATF).
- Exports of POL products increased by 2.6% and decreased by 13.6% during March 2021 and April-March 2021 respectively as compared to the corresponding period of the previous year. Decrease in POL products exports during April-March 2021 (P) was due to decrease in exports of all products except petcoke/CBFS and LOBS/Lube oil.

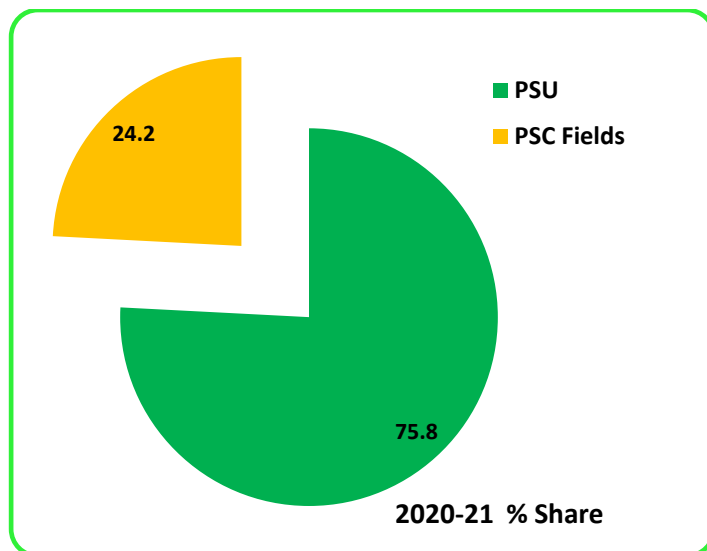
Part A: Production

PPAC

2. Indigenous crude oil and condensate production

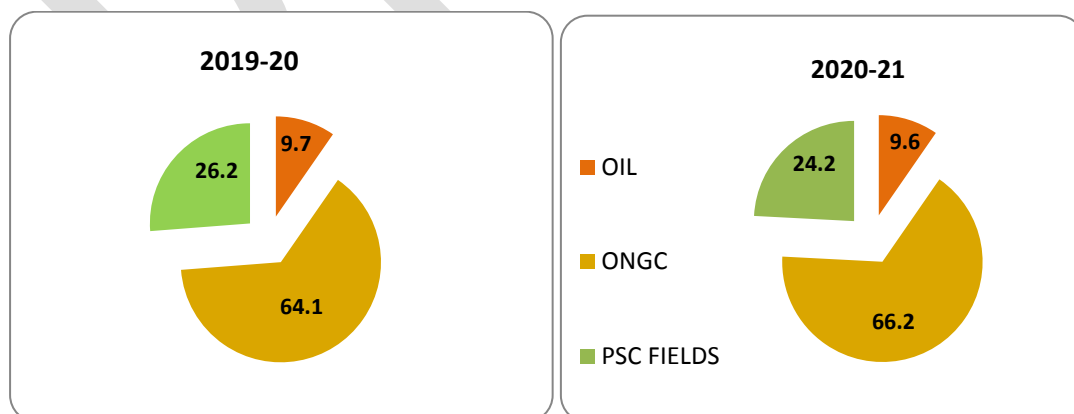
- The percentage share of PSU upstream companies and PSC fields in overall crude oil and condensate production during April – March 2021 ^(P) is shown in figure-1 below:

Figure-1; Percentage share in crude oil and condensate production; April – March 2021 ^(P)



- The comparison of percentage share of ONGC, OIL and PSC fields in total crude oil and condensate production during April – March 2021 and April – March 2020 is shown in figure-2 below:

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



3. Crude oil processing by Oil Companies

- Analysis of crude oil processing by refineries:

Analysis of type of crude oil processed (i.e. indigenous, imported and low sulphur & high sulphur) in Indian refineries during April – March 2021 and April – March 2020 is given below:

Figure-3; Percentage share of Indigenous/imported crude oil processed in PSU/JV refineries in April -March

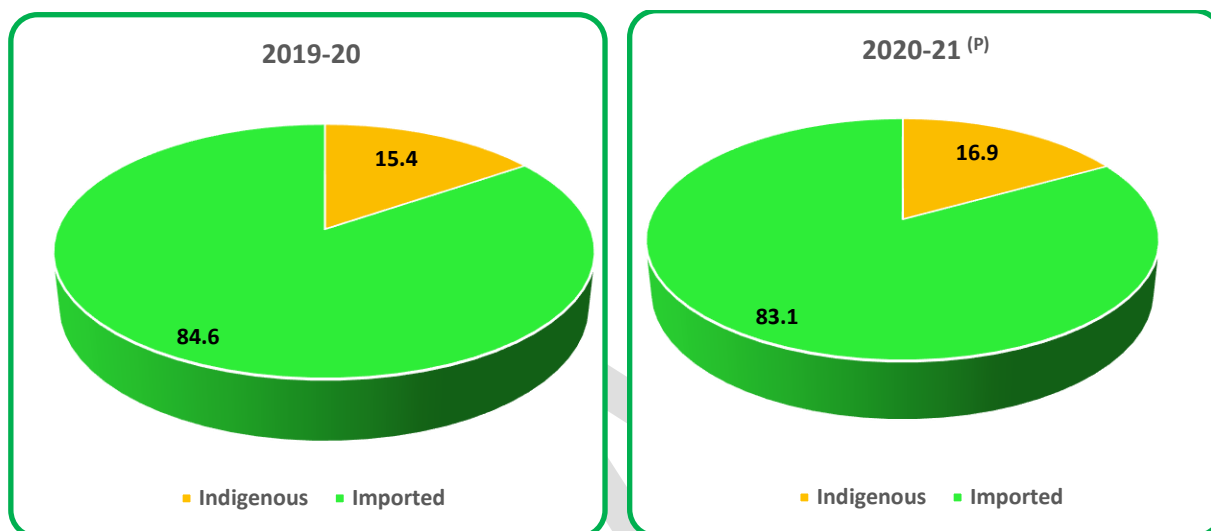


Figure-4; Percentage share of indigenous and imported crude oil processed by Private refineries: April-March

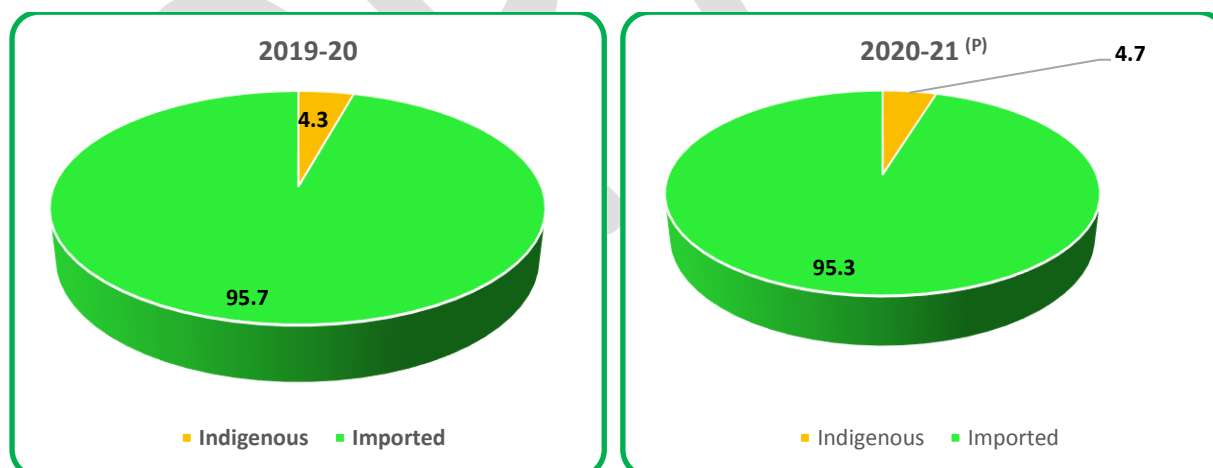


Table-3; High sulphur crude oil processed as percentage of total crude oil processed.

| | March | | April – March | |
|--|-------------|------------------------|---------------|------------------------|
| | 2019-20 | 2020-21 ^(P) | 2019-20 | 2020-21 ^(P) |
| | Qty. in MMT | | | |
| High sulphur crude (HS) | 16.3 | 15.3 | 192.4 | 161.3 |
| Low sulphur crude (LS) | 4.9 | 5.7 | 62.0 | 60.5 |
| Total crude processed | 21.2 | 21.0 | 254.4 | 221.8 |
| % share of HS crude in total crude processed | 76.7% | 72.9% | 75.6% | 72.7% |

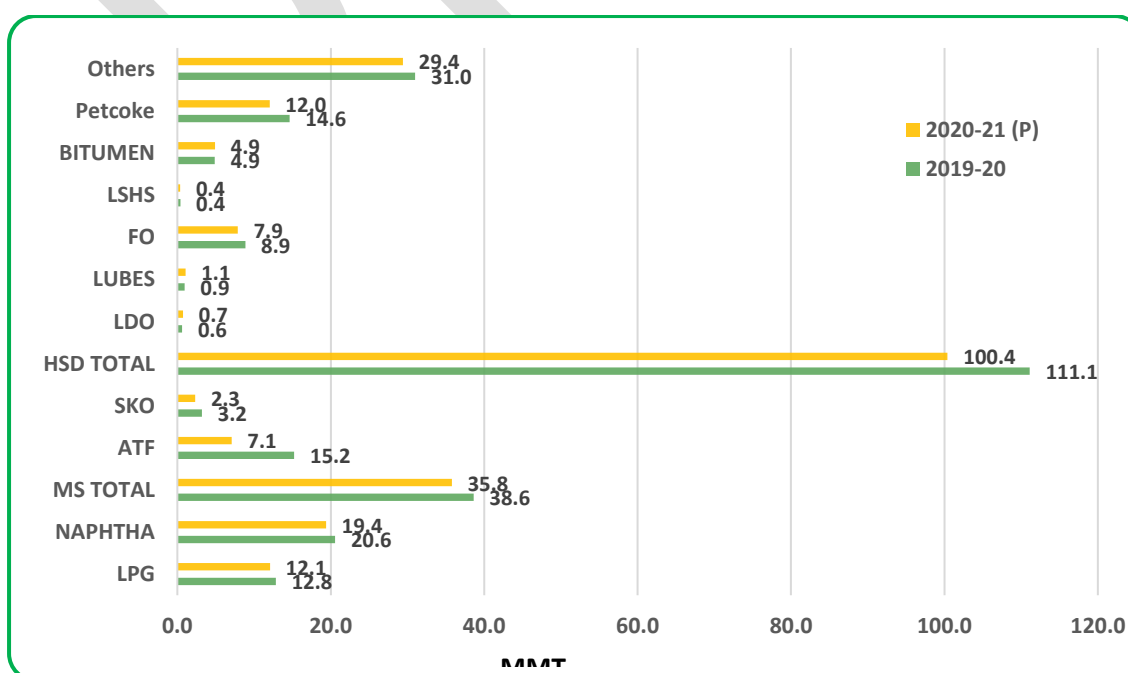
4. Production of Petroleum Products

Details of production of petroleum products by refineries and fractionators during March 2021^(P) are given in Table-2.

| Table-2; Production of petroleum products | |
|---|---------------------------|
| (Thousand Metric Tonnes) | |
| Products | March 2021 ^(P) |
| LPG | 1107 |
| Naphtha | 1922 |
| MS | 3583 |
| ATF | 875 |
| SKO | 197 |
| HSD | 9555 |
| LDO | 83 |
| Lubes | 120 |
| FO | 606 |
| LSHS | 22 |
| Bitumen | 668 |
| RPC (Pet-coke) | 1119 |
| Others | 2897 |
| Total | 22753 |

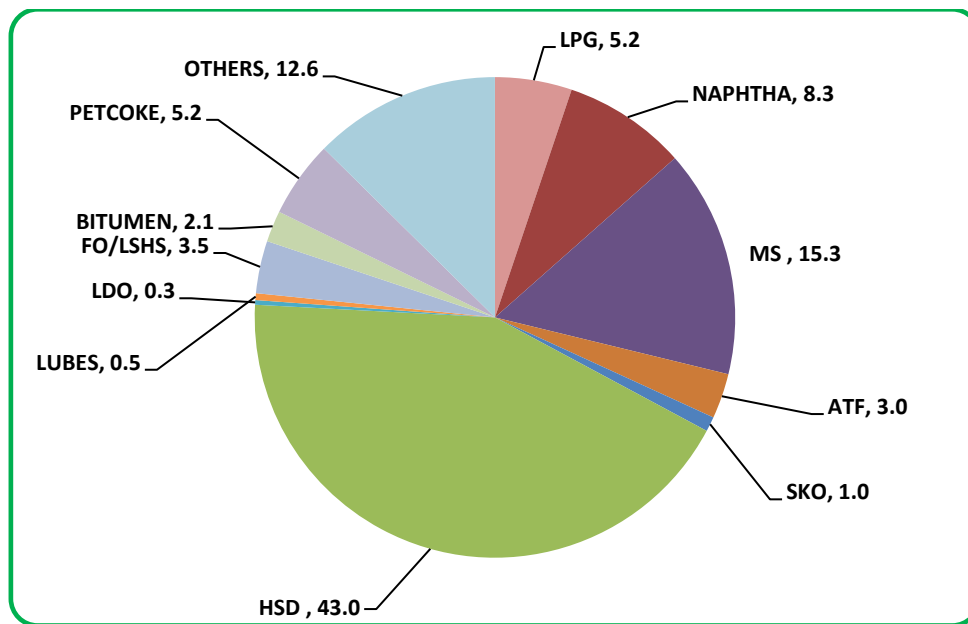
Note: (P): Provisional. Source: Oil Companies
 * Others include products like Propylene, solvents (Hexane, Benzene, Toluene, Xylene and Specialty solvents), Reformate, Mineral Turpentine Oil, Carbon Black Feedstock, Waxes, Sulphur etc.
 LPG: Liquefied petroleum gas, MS: Motor spirit, ATF: Aviation turbine fuel; SKO: Superior kerosene oil, HSD: High speed diesel;

Figure-5; Product wise production of POL products by refineries and fractionators: April – March 2021^(P)



The percentage share of various products in total POL production during April – March 2021 is shown in figure-6 below:

Figure-6; Percentage share of POL products in production; April – March 2021 ^(P)



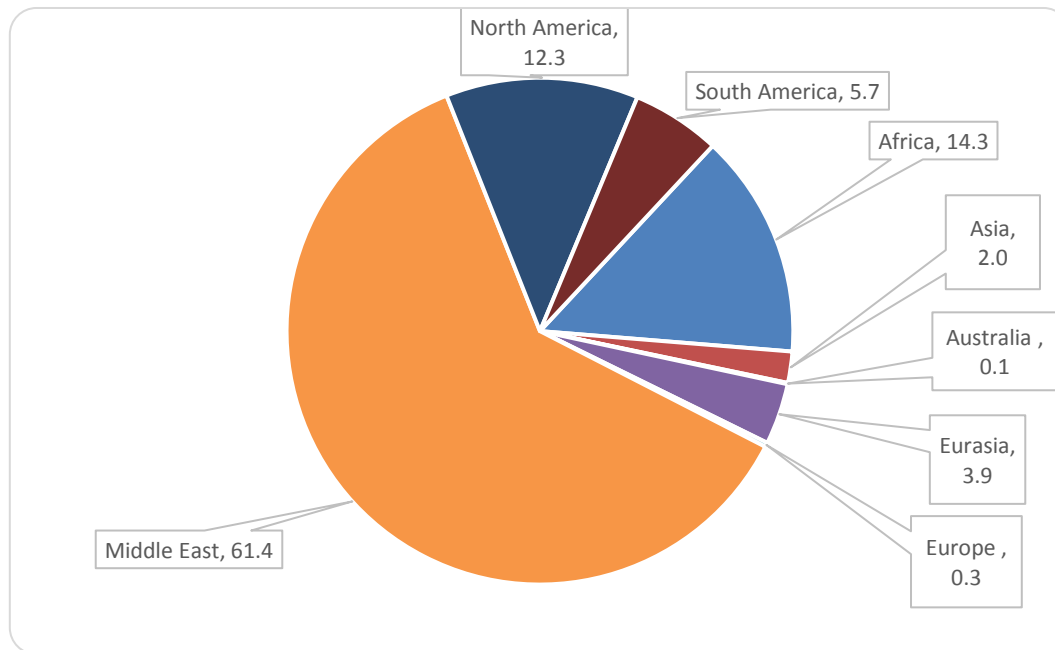
Part B: Import /Export

5.a Import of Crude oil

Details of import of crude oil given in Table-3 below:

| Table-3; Import of Crude oil | | |
|---------------------------------|---------------------------|------------------------------------|
| <i>(Thousand Metric Tonnes)</i> | | |
| Import | March 2021 ^(P) | April to March 2021 ^(P) |
| Crude Oil | 18261 | 198111 |

Figure 7: Region wise percentage share (%) of crude oil during April to March 2021 (P)



- Crude oil imports decreased by 6.4% and 12.7% during March 2021 and April-March 2021 respectively as compared to the corresponding period of the previous year.
- Crude oil imports from OPEC countries decreased to 74.0% of total imports during April to March 2021 as compared to 79.6% during April to March 2020.

5.b Import Petroleum Products

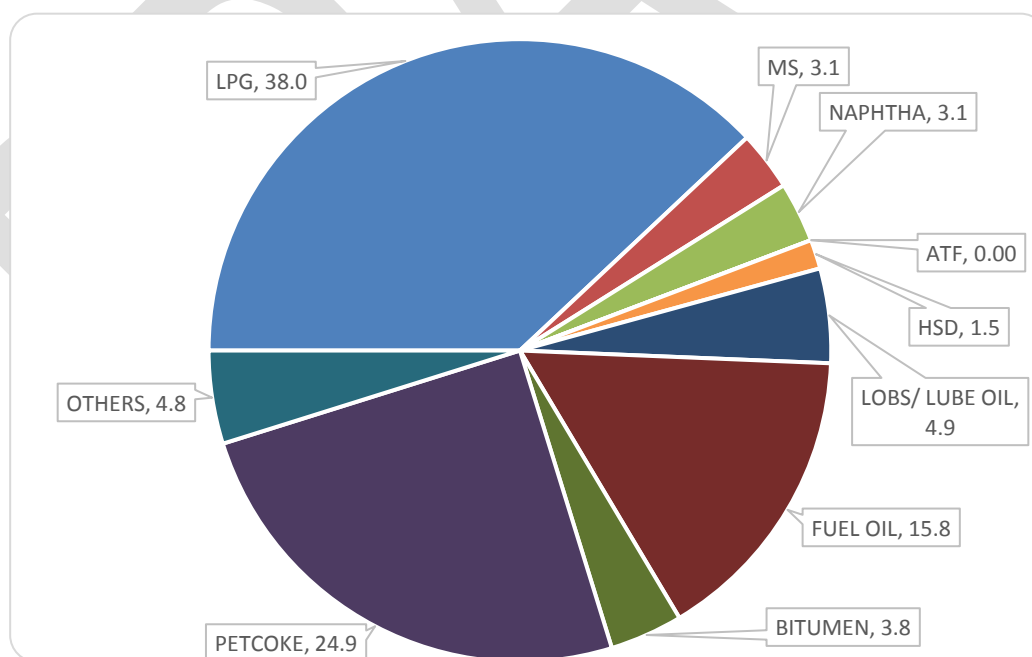
Details of import of petroleum products given in Table-4 below:

| Table-4; Import of Petroleum products | | |
|---------------------------------------|---------------------------|------------------------------------|
| (Thousand Metric Tonnes) | | |
| Product | March 2021 ^(P) | April to March 2021 ^(P) |
| LPG | 1359 | 16527 |
| MS/ Petrol | 133 | 1343 |
| NAPHTHA | 110 | 1364 |
| ATF | 0 | 0 |
| HSD | 10 | 658 |
| LOBS/LUBE OIL | 195 | 2134 |
| FUEL OIL | 1130 | 6863 |
| BITUMEN | 151 | 1649 |
| PETCOKE | 854 | 10842 |
| OTHERS§ | 153 | 2102 |
| TOTAL IMPORTS | 4096 | 43481 |

Notes: (P): Provisional. Source: Oil Companies & DGCIS
July 2020 to March 2021 DGCIS data prorated on the basis of July 2019 - June 2020 actual data provided by DGCIS.

§ Others include SKO, Paraffin wax, Petroleum Jelly, Aviation Gas, MTBE, Reformate etc.

Figure 8: Percentage share of petroleum products in imports: April to March 2021 (P)



- Imports made due to deficit in production viz. LPG and Lubes/LOBS accounted for 42.9% share of total POL products import during April-March 2021 as compared to 39.9% during April-March 2020.
- Import of petcoke accounted for 24.9% of the total POL imports during April-March 2021. The entire quantity was imported by private importers and mainly by cement industry.

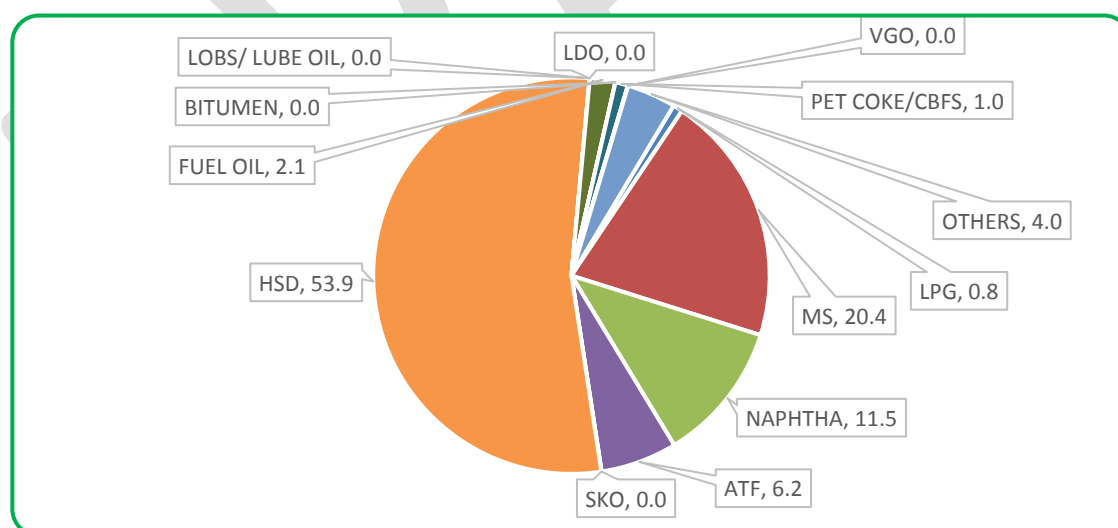
5.c Export of Petroleum Products

Details of export of petroleum products given in Table-5 below:

| Table-5 Export of major Petroleum products | | |
|--|---------------------------|------------------------------------|
| (Thousand Metric Tonnes) | | |
| Product | March 2021 ^(P) | April to March 2021 ^(P) |
| LPG | 47 | 452 |
| MS | 1290 | 11606 |
| Naphtha | 801 | 6509 |
| ATF | 413 | 3544 |
| SKO | 2 | 15 |
| HSD | 3069 | 30576 |
| LDO | 0 | 0 |
| LOBS/LUBE OIL | 1 | 15 |
| FUEL OIL | 200 | 1177 |
| BITUMEN | 0 | 7 |
| PETCOKE | 0 | 577 |
| VGO | 24 | 24 |
| OTHERS# | 232 | 2261 |
| TOTAL EXPORT | 6080 | 56764 |

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

Figure 9: Percentage share of petroleum products in export: April to March 2021 (P)



- Exports of POL products increased by 2.6% and decreased by 13.6% during March 2021 and April-March 2021 respectively as compared to the corresponding period of the previous year. Decrease in POL products exports during April-March 2021 (P) was due to decrease in exports of all products except petcoke/CBFS and LOBS/Lube oil.