

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

&

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

March 2022



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

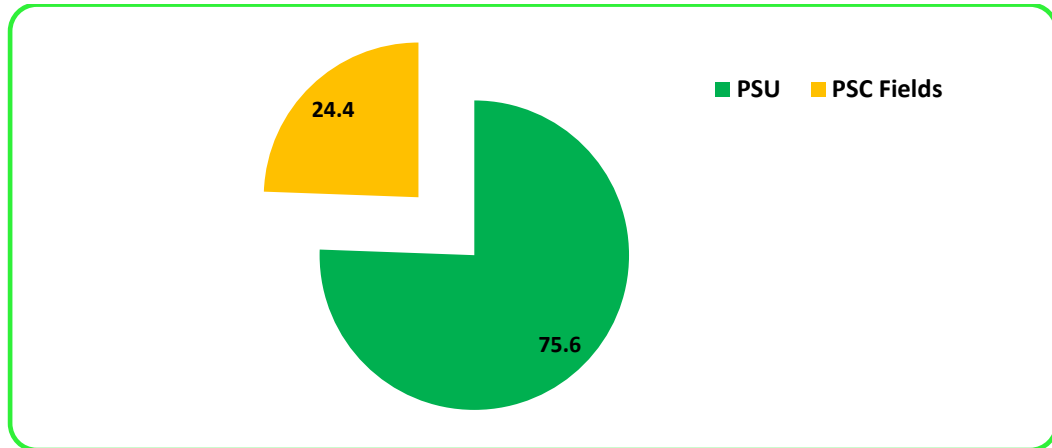
- Indigenous crude oil and condensate production during March 2022 and April – March 2022 was lower by 3.4 % and 2.6 % respectively as compared to the corresponding period of the previous year.
- Crude oil processed during March 2022 was 22.3 MMT, which was 6.4 % higher than March 2021. On cumulative basis total crude oil processed was 241.7 MMT which was higher by 9.0 % during April – March 2022 as compared to April – March 2021.
- Production of petroleum products saw a growth of 5.8 % and 8.9 % during March 2022 and April – March 2022 respectively over the corresponding period of the previous year.
- Crude oil imports increased by 4.2% and 7.9% during March 2022 and April-March 2022 respectively as compared to the corresponding period of the previous year.
- POL products imports decreased by 9.7% and 6.3% during March 2022 and April-March 2022 respectively as compared to the corresponding period of the previous year. Decrease in POL products imports during April-March 2022 were due to decrease in imports of petcoke, motor sprit (MS), high speed diesel (HSD) and superior kerosene oil (SKO) etc.
- Exports of POL products increased by 10.9% and 10.5% during March 2022 and April-March 2022 respectively as compared to the corresponding period of the previous year. Increase in POL products exports during April-March 2022 (P) were due to increase in exports of all products except LOBS/Lubes oil, bitumen, petcoke/CBFS and superior kerosene oil (SKO) etc

Part A: Production

2. Indigenous crude oil and condensate production

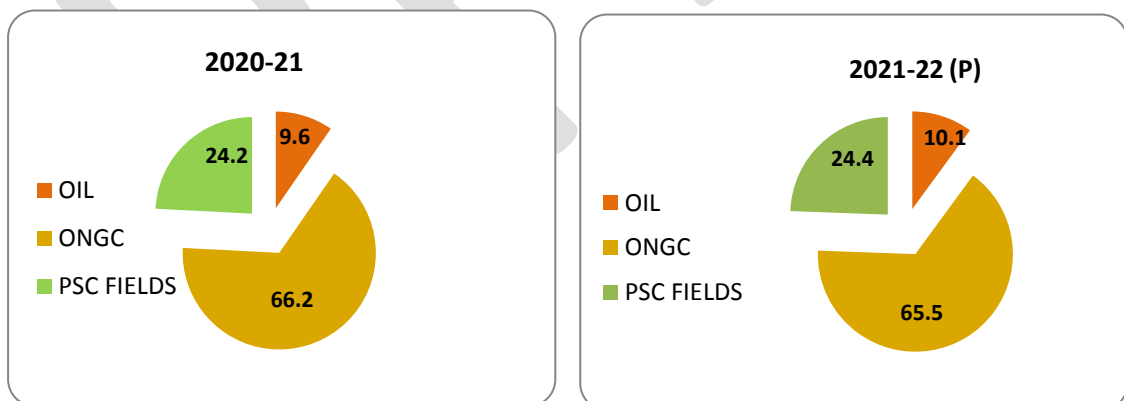
- The percentage share of PSU upstream companies and PSC fields in overall crude oil and condensate production during April – March ^(P) is shown in figure-1 below:

Figure-1; Percentage share in crude oil and condensate production; April – March 2022 ^(P)



- The comparison of percentage share of ONGC, OIL and PSC fields in total crude oil and condensate production during April – March 2022 and April – March 2021 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 2022 and April – March 2021 is given below:

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

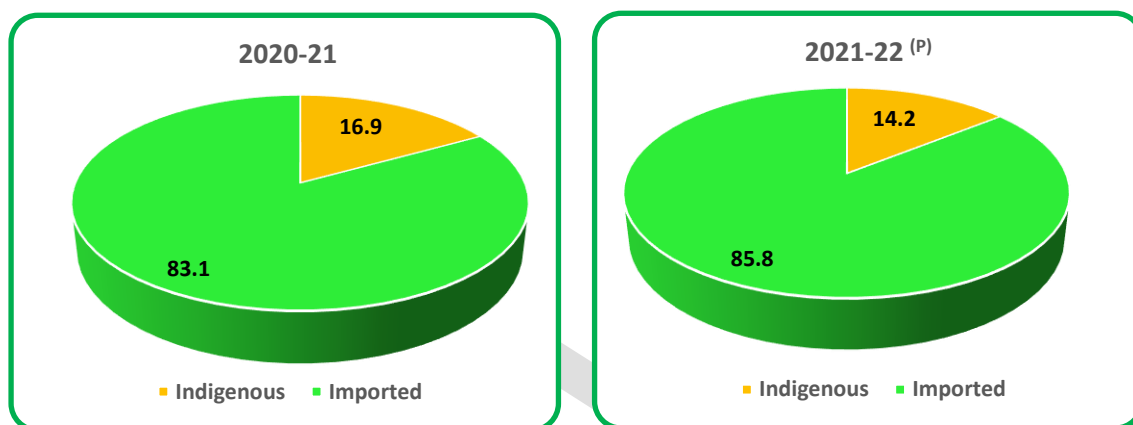


Figure-4; Percentage share of indigenous and imported crude oil processed by Private refineries: April- March

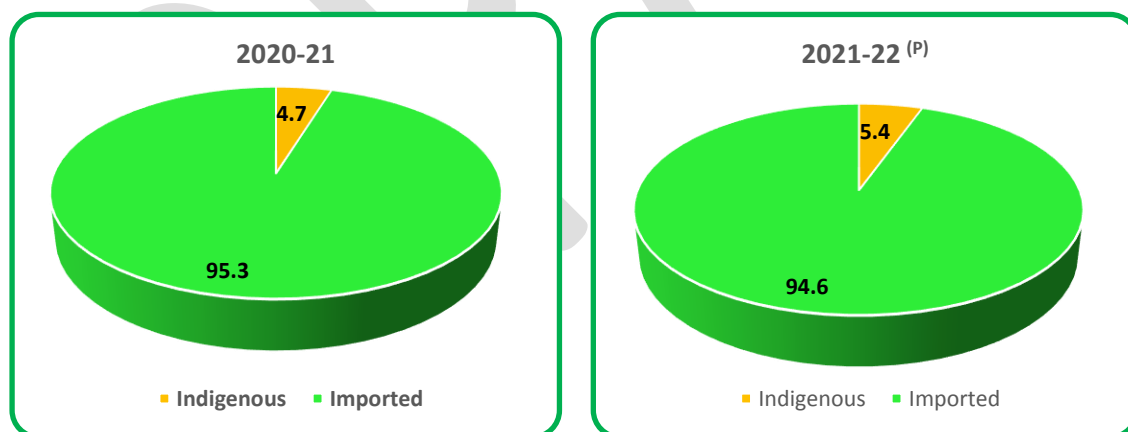


Table-1; High Sulphur crude oil processed as percentage of total crude oil processed

| | March | | April – March | |
|---|--------------|--------------|---------------|--------------|
| | 2020-21 | 2021-22 (P) | 2020-21 | 2021-22 (P) |
| | Qty. in MMT | | | |
| High Sulphur crude (HS) | 15.3 | 17.3 | 161.4 | 185.0 |
| Low Sulphur crude (LS) | 5.7 | 5.1 | 60.3 | 56.7 |
| Total crude processed | 21.0 | 22.3 | 221.8 | 241.7 |
| % Share of HS crude in total crude processed | 72.9% | 77.4% | 72.8% | 76.6% |

4. Production of Petroleum Products

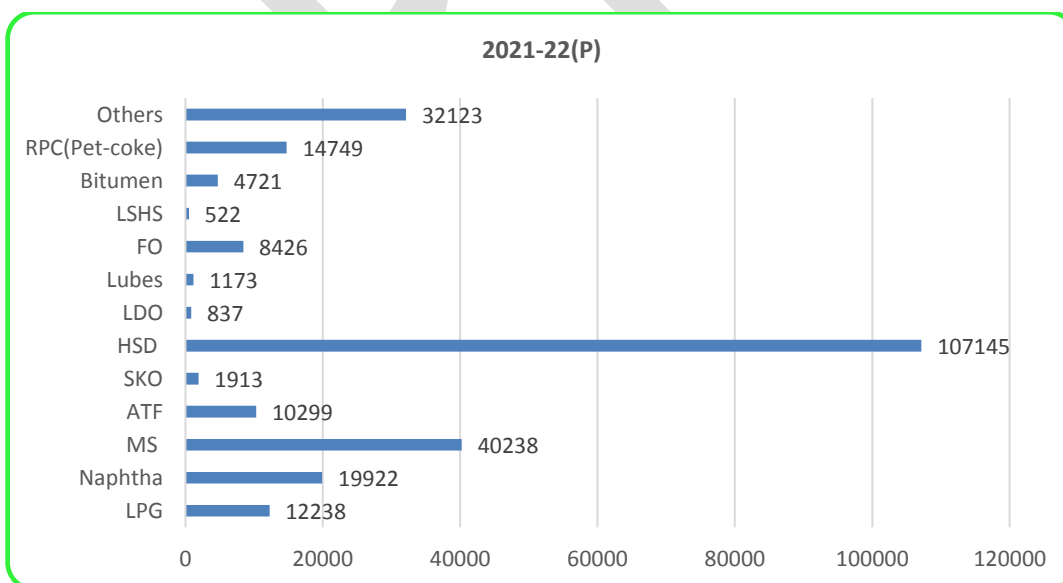
Details of production of petroleum products by refineries and fractionators during March 2022^(P) are given in Table-2.

| Table-2; Production of petroleum products | |
|---|---------------------------|
| (Thousand Metric Tonnes) | |
| Products | March 2022 ^(P) |
| LPG | 1089 |
| Naphtha | 1800 |
| MS | 3876 |
| ATF | 1028 |
| SKO | 146 |
| HSD | 10472 |
| LDO | 97 |
| Lubes | 120 |
| FO | 747 |
| LSHS | 43 |
| Bitumen | 599 |
| RPC(Pet-coke) | 1412 |
| Others | 2720 |
| Total | 24148 |

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;

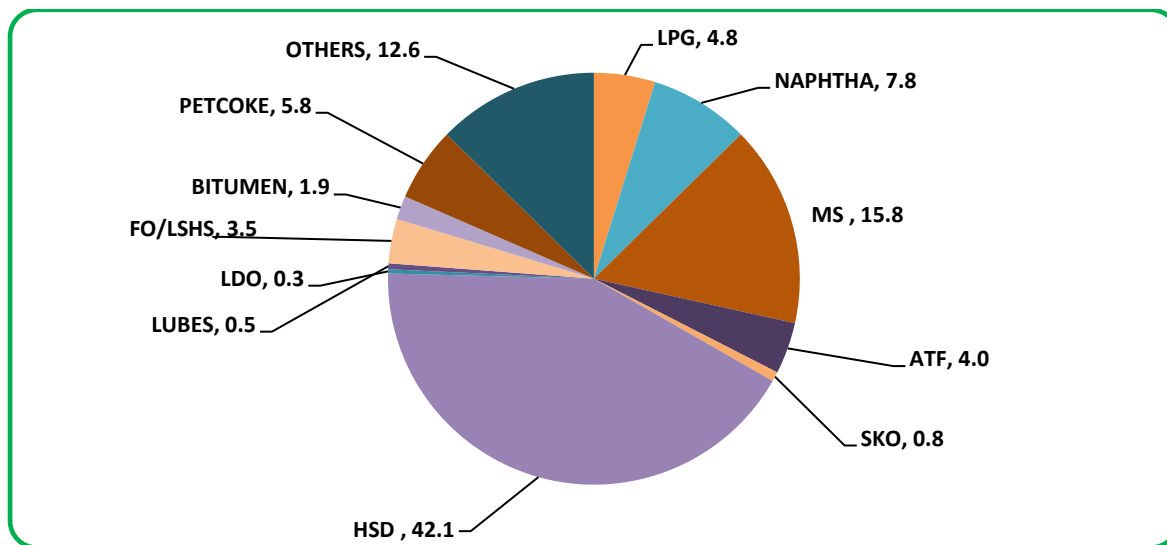
Figure-5; Product wise production of POL products by refineries and fractionators: April – March 2022

(P)



The percentage share of various products in total POL production during April – March 2022 is shown below:

Figure-6; Percentage share of products in total POL production: April – March 2022 ^(P)



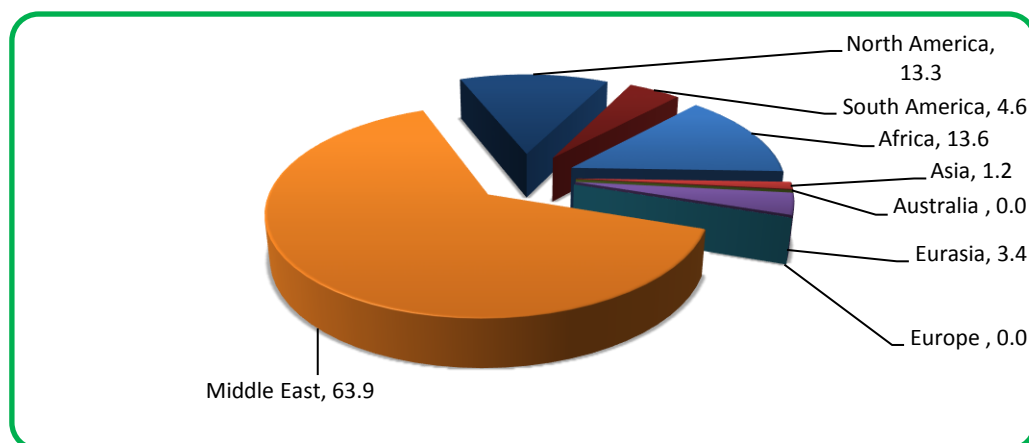
Part B: Import /Export

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 2022 ^(P) | April to March 2022 ^(P) |
| Crude Oil | 19031 | 211980 |

Figure 7: Region wise percentage share (%) of crude oil during April to March 2022 (P)



- Crude oil imports increased by 4.2% and 7.9% during March 2022 and April-March 2022 respectively as compared to the corresponding period of the previous year.
- Crude oil imports from OPEC countries decreased to 71.5% of total imports during April-March 2022 as compared to 71.9% during April- March 2021.

5.b Import Petroleum Products

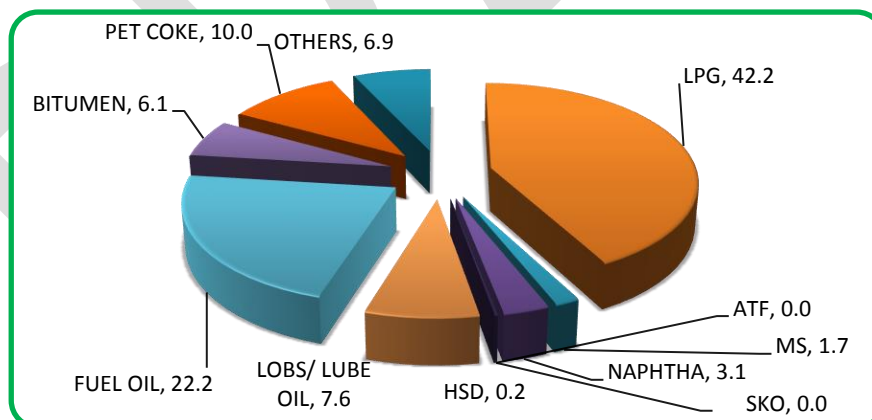
Details of import of petroleum products given in Table-4 below:

| Table-4; Import of Petroleum products | | |
|---------------------------------------|---------------------------|------------------------------------|
| (Thousand Metric Tonnes) | | |
| Product | March 2022 ^(P) | April to March 2022 ^(P) |
| LPG | 1445 | 17125 |
| MS/ Petrol | 1 | 674 |
| NAPHTHA | 90 | 1246 |
| ATF | 0 | 0 |
| SKO | 0 | 0 |
| HSD | 8 | 81 |
| LOBS/LUBE OIL | 252 | 3076 |
| FUEL OIL | 1048 | 8985 |
| BITUMEN | 218 | 2479 |
| PETCOKE | 342 | 4065 |
| OTHERS\$ | 212 | 2805 |
| TOTAL IMPORTS | 3615 | 40538 |

Notes: (P): Provisional. Source: Oil Companies & DGCIS
Private imports are prorated for the period Dec-2021 to Mar-2022 on the basis of actual data received from DGCIS for the period Dec-2020 to Nov-2021

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

Figure 8: Percentage share of petroleum products in imports: April to March 2022 (P)



- Imports made due to deficit in production viz. LPG and Lubes/LOBS accounted for 49.8% share of total POL products import during April-March 2022 as compared to 44.3% during April-March 2021.
- Import of petcoke accounted for 10.0% of the total POL imports during April-March 2022. The entire quantity was imported by private importers.

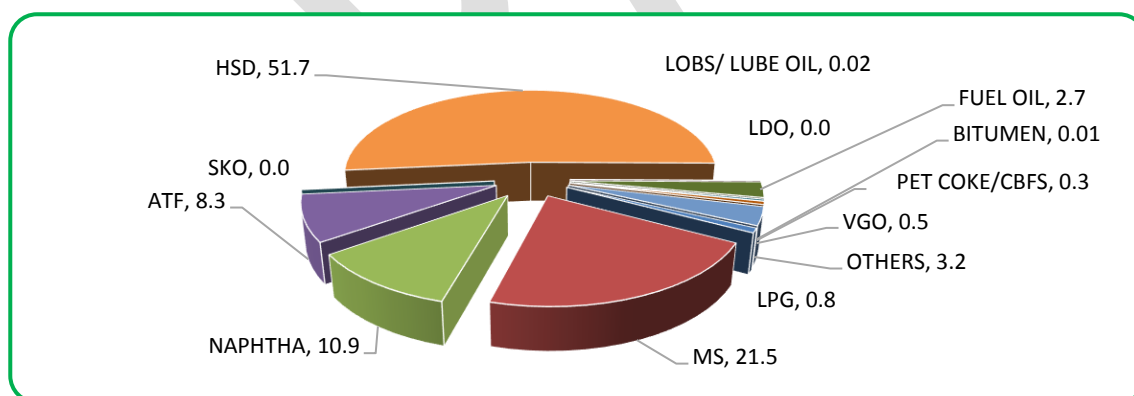
5.c Export of Petroleum Products

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

| Table-5 Export of major Petroleum products | | |
|--|---------------------------|------------------------------------|
| (Thousand Metric Tonnes) | | |
| Product | March 2022 ^(P) | April to March 2022 ^(P) |
| LPG | 37 | 513 |
| MS | 1600 | 13482 |
| Naphtha | 791 | 6861 |
| ATF | 617 | 5186 |
| SKO | 1 | 14 |
| HSD | 3365 | 32407 |
| LDO | 0 | 0 |
| LOBS/LUBE OIL | 1 | 10 |
| FUEL OIL | 92 | 1716 |
| BITUMEN | 0 | 6 |
| PETCOKE | 6 | 187 |
| VGO | 0 | 319 |
| OTHERS [#] | 232 | 2012 |
| TOTAL EXPORT | 6742 | 62713 |

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

Figure 9: Percentage share of petroleum products in export: April to March 2022 (P)



- Exports of POL products increased by 10.9% and 10.5% during March 2022 and April-March 2022 respectively as compared to the corresponding period of the previous year. Increase in POL products exports during April-March 2022 (P) were due to increase in exports of all products except LOBS/Lubes oil, bitumen, petcoke/CBFS and superior kerosene oil (SKO) etc.