

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

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

February 2020



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

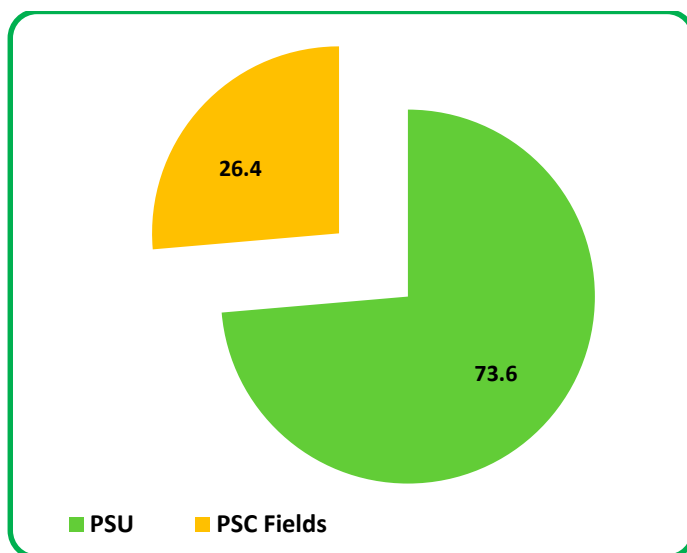
- Indigenous crude oil and condensate production during February 2020 and April 2019 – February 2020 was lower by 6.4% and 6% respectively as compared to the corresponding period of the previous year.
- Crude oil processed in refineries during February 2020 was 21.1 MMT, which was 5.2% higher than February 2019. On cumulative basis total crude oil processed was 233.2 MMT which was lower by 0.7% during April 2019 – February 2020 as compared to the corresponding period of the previous year.
- Production of petroleum products saw a growth of 7.4% during February 2020 over February 2019. On cumulative basis production of petroleum products saw a marginal growth of 0.2% during April 2019 – February 2020 as compared to the corresponding period of the previous year.
- As the country is progressing fast on the path of implementation of BSVI standards of MS and HSD across India by 1st April 2020, production of BS VI grade of MS and HSD has increased by 28 folds and 38.5 folds respectively during February 2020 as compared to February 2019. During April 2019 February 2020 production of BS VI grade MS and HSD has increased by more than 8 folds and 16 folds respectively as compared to the corresponding period of the previous year.
- Crude oil imports increased by 9% during February 2020 as compared to February 2019. However, crude oil imports decreased by 0.1% during April 2019 - February 2020 as compared to the corresponding period of the previous year.
- POL products imports increased by 9.6% and 32.7% during February 2020 and April 2019 - February 2020 respectively as compared to the corresponding period of the previous year. Increase in POL products imports during April 2019 -February 2020 was due to increase in imports of all products except naphtha and aviation turbine fuel (ATF).
- Exports of POL products increased by 21.4% and 7.5% during February 2020 and April 2019 - February 2020 respectively as compared to the corresponding period of the previous year. Increase in POL products exports during April 2019 - February 2020 was mainly due to increase in exports of naphtha and high-speed diesel (HSD).

Part A: Production

2. Indigenous crude oil and condensate production

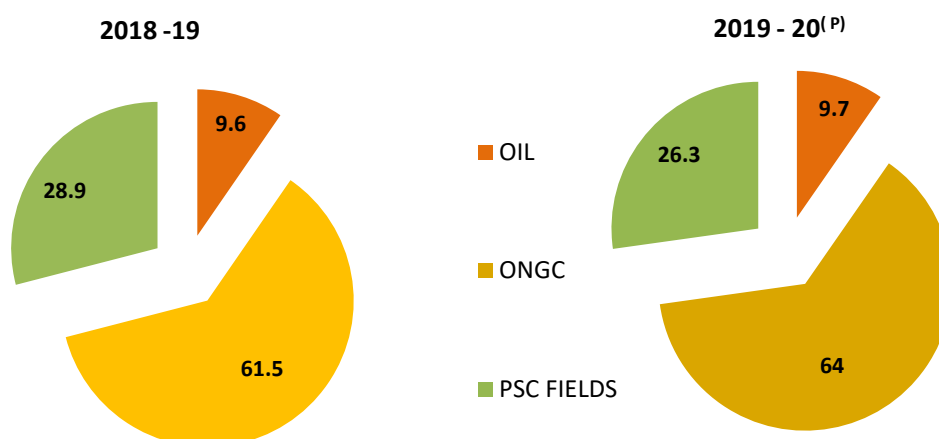
- The percentage share of PSU upstream companies and PSC fields in overall crude oil and condensate production during April 2019 – February 2020^(P) is shown in figure-1 below:

Figure-1; Percentage share in crude oil and condensate production; April 2019 - February 2020^(P)



- The comparison of percentage share of ONGC, OIL and PSC fields in total crude oil and condensate production during April 2019 – February 2020^(P) over the corresponding period of the previous year is shown in figure-2 below:

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



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 January 2020 and April 2019 – February 2020 is given below:

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

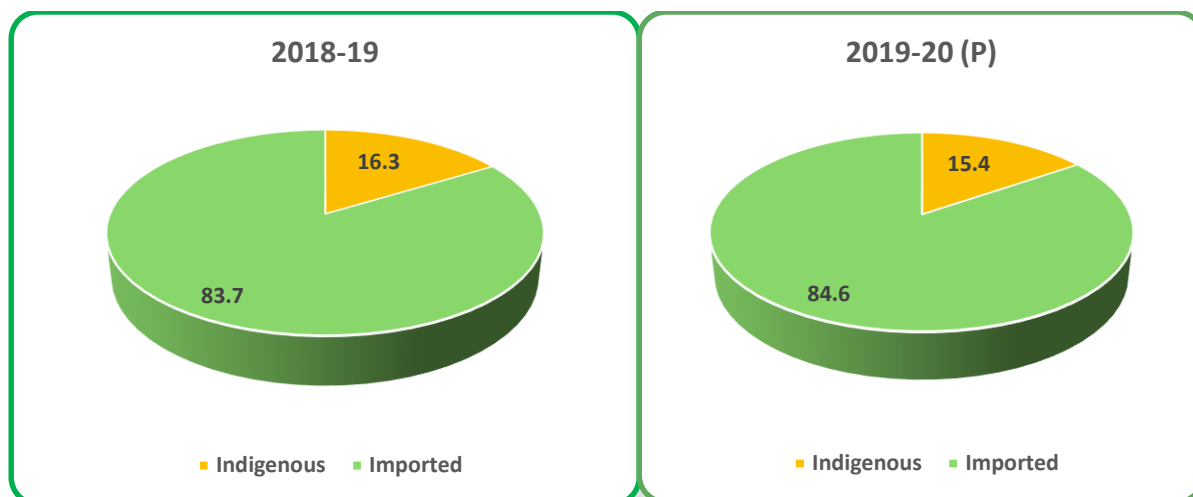


Figure-4; Percentage share of Indigenous/imported crude oil processed in private refineries in April – February

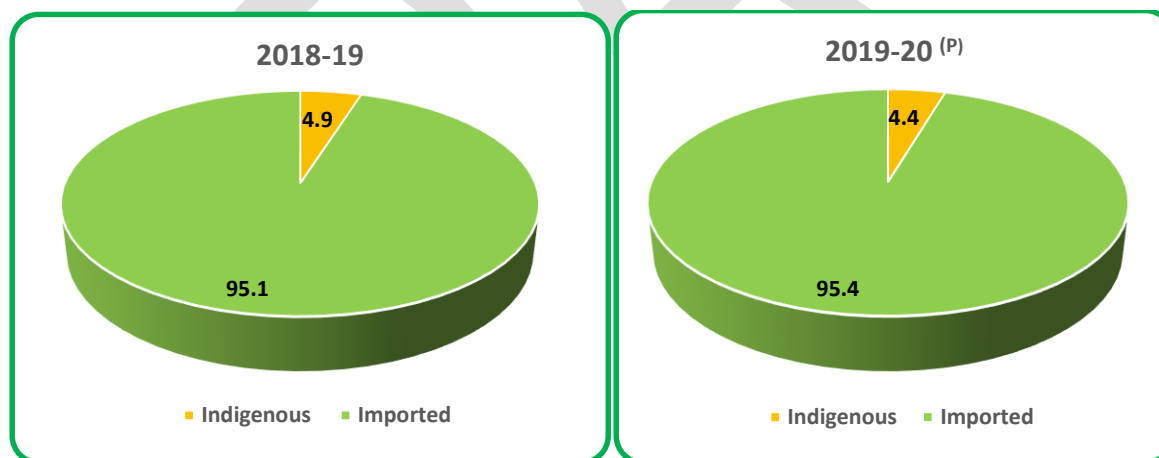


Table-1; High sulphur crude oil processed as percentage of total crude oil processed

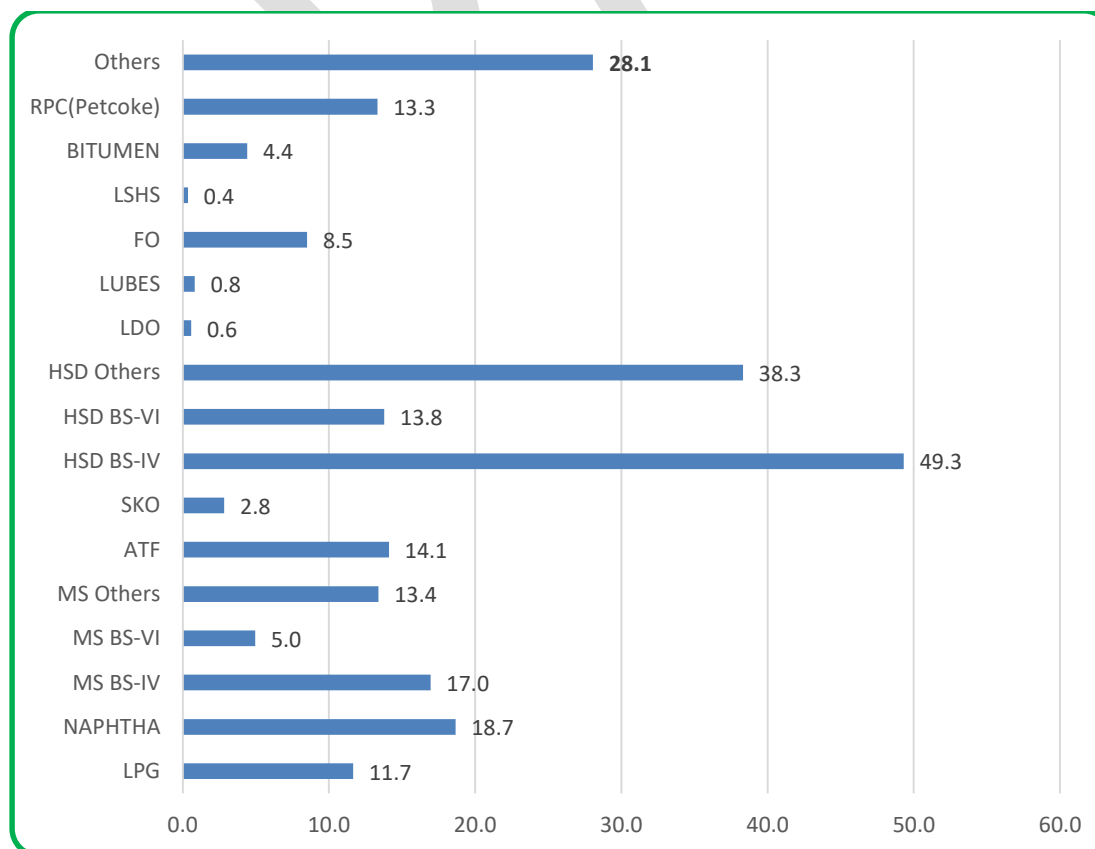
	February		April- February	
	2018-19	2019-20 (P)	2018-19	2019-20 (P)
	Qty. in TMT			
High sulphur crude (HS)	14958	16472	177408	175948
Low sulphur crude (LS)	5126	4646	57301	57234
Total crude processed	20083	21118	234709	233182
% share of HS crude in total crude	74.5%	78.0%	75.6%	75.5%

Details of production of petroleum products by refineries and fractionators during February 2020^(P) are given in Table-2.

Table-2; Production of petroleum products	
<i>(Thousand Metric Tonnes)</i>	
Products	February 2020 ^(P)
LPG	1119
Naphtha	1794
MS	3134
ATF	1270
SKO	276
HSD	8947
LDO	50
Lubes	73
FO	831
LSHS	36
Bitumen	536
RPC(Pet-coke)	1206
Others	2552
Total	21821

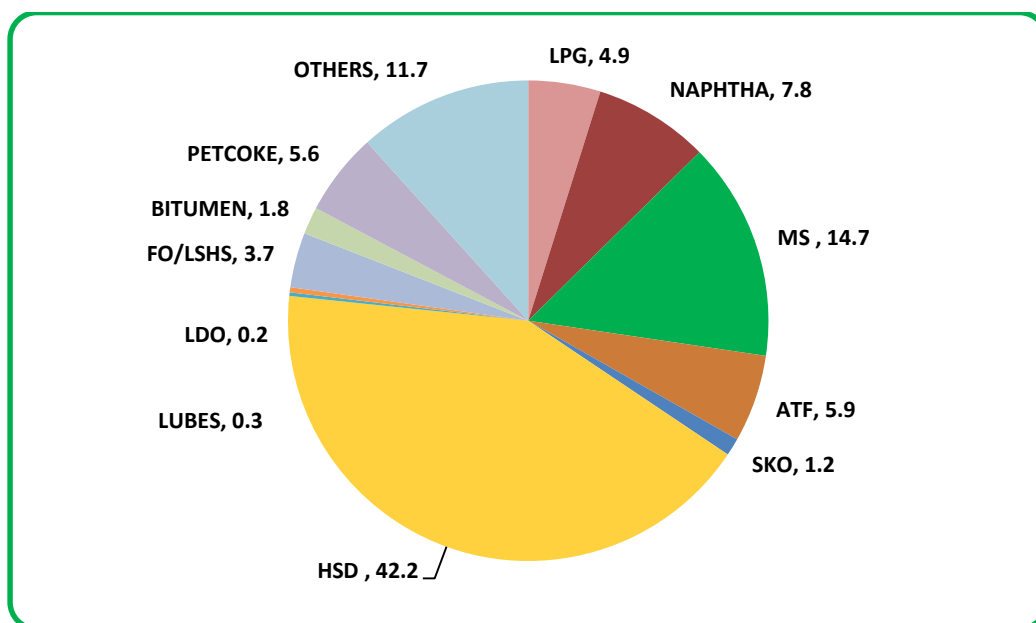
Note: (P): Provisional. Source: Oil Companies
** Others include products like Propylene, solvents (Hexane, Benzene, Toluene, Xylene and Specialty solvents), Reformate, Mineral Turpentine Oil, Carbon Black Feedstock, Waxes, Sulphur etc.*
LPG: Liquefied petroleum gas, MS: Motor spirit, ATF: Aviation turbine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

Figure-5; Product wise production of POL products by refineries and fractionators: April 2019 – February 2020^(P)



The percentage share of various products in total POL production during April 2019– February 2020 is shown in figure-6 below:

Figure-6; Percentage share of POL products in production; April 2019 – February 2020^(P)



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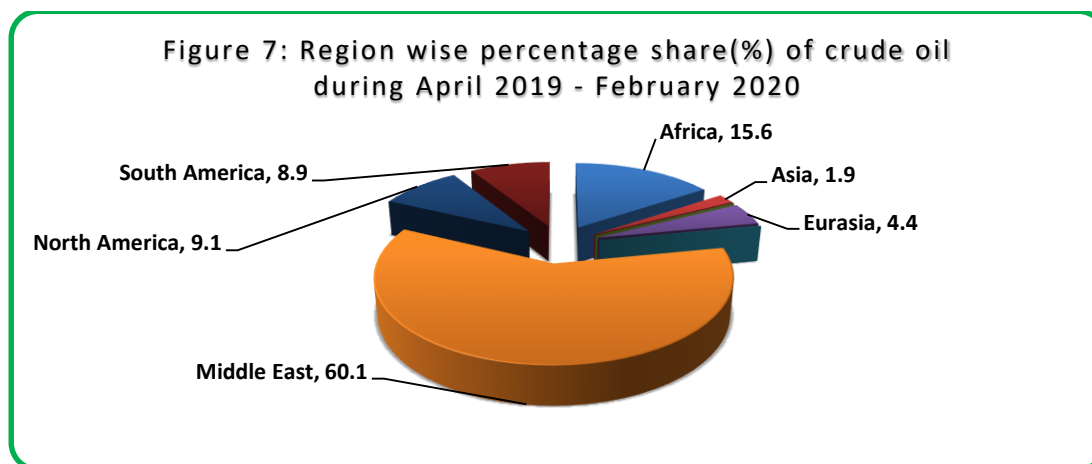
Part B: Import /Export

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	February 2020 (P)	April 2019 – February 2020 ^(P)
CRUDE OIL	18649	207095

Figure 7: Region wise percentage share of crude oil during April 2019 – February 2020



- Crude oil imports increased by 9% during February 2020 as compared to February 2019. However, crude oil imports decreased by 0.1% during April 2019 - February 2020 as compared to the corresponding period of the previous year.
- Crude oil imports from OPEC countries decreased to 79.6% of total imports during April 2019 – February 2020 as compared to 82.6% during April 2018 – February 2019.

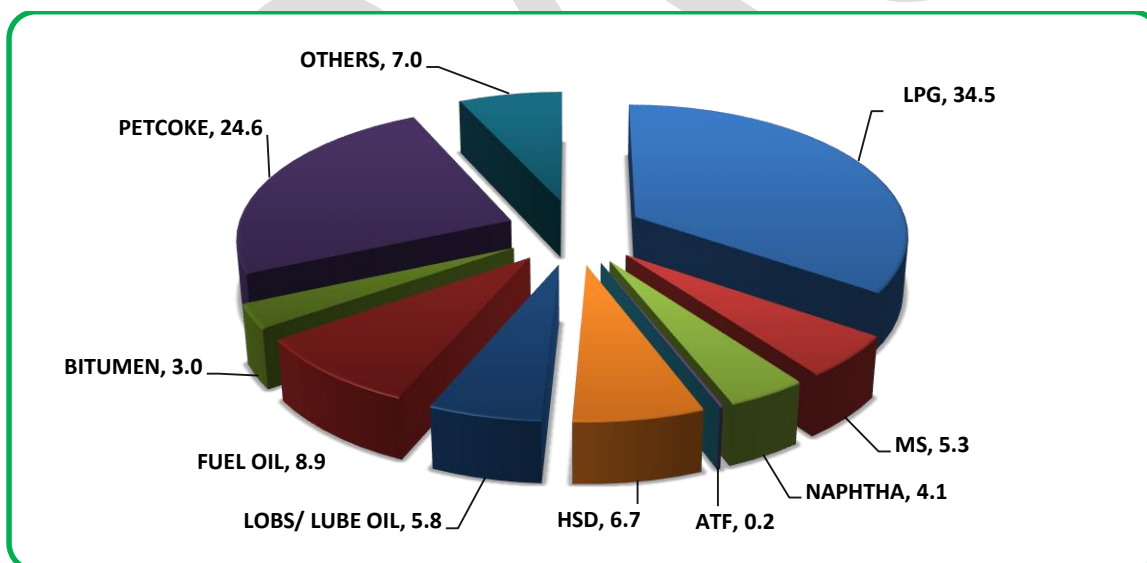
5.b Import Petroleum Products

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

Table-4; Import of Petroleum products		
(Thousand Metric Tonnes)		
Product	February 2020 ^(P)	April 2019 – February 2020 ^(P)
LPG	1339	13614
MS/ Petrol	61	2072
NAPHTHA	116	1624
ATF	1	67
HSD	276	2635
LOBS/LUBE OIL	212	2267
FUEL OIL	400	3514
BITUMEN	101	1184
PETCOKE	912	9693
OTHERS [§]	206	2743
TOTAL IMPORTS	3624	39414

Notes: (P): Provisional. Source: Oil Companies & DGCI
[#] January-February 2020 private import (POL) quantity prorated on the basis of January-December 2019 actual data provided by DGCI.
[§] Others include SKO, Paraffin wax, Petroleum Jelly, Aviation Gas, MTBE, Reformate etc.

Figure 8: Percentage share of petroleum products in imports: April 2019 – February 2020^(P)



Import of LPG and Lubes/LOBS was done due to deficit in production and accounted for 40.3% share of total POL products import during April 2019 – February 2020 as compared to 47.1% during April 2018 – February 2019. MS (2.1 MMT) and HSD (2.6 MMT) import was done during April 2019 – February 2020 due to shutdown of refineries for implementation of BS VI projects. Import of petcoke accounted for 24.6% of total POL imports during April 2019 – February 2020. The entire quantity was imported by private importers and mainly by cement industry.

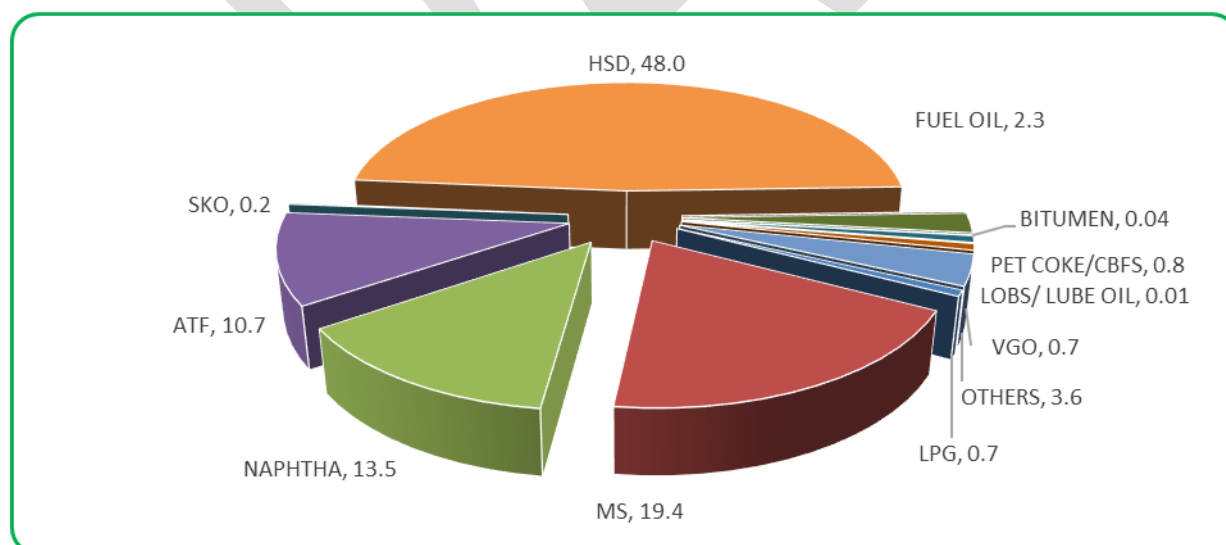
5.c Export of Petroleum Products

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

Table-5 Export of major Petroleum products		
(Thousand Metric Tonnes)		
Product	February 2020 ^(P)	April 2019 – February 2020 ^(P)
LPG	41	418
MS	1027	11569
Naphtha	701	8076
ATF	525	6418
SKO	21	96
HSD	2386	28691
LDO	0	0
LOBS/LUBE OIL	1	7
FUEL OIL	72	1382
BITUMEN	2	25
PETCOKE	0	454
VGO	84	440
OTHERS [#]	171	2159
TOTAL EXPORT	5031	59736

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 exports: April 2019 – February 2020 ^(P)



Exports of POL products increased by 21.4% and 7.5% during February 2020 and April 2019 - February 2020 respectively as compared to the corresponding period of the previous year. Increase in POL products exports during April 2019 - February 2020 was mainly due to increase in exports of naphtha and high-speed diesel (HSD).