

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

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

March 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

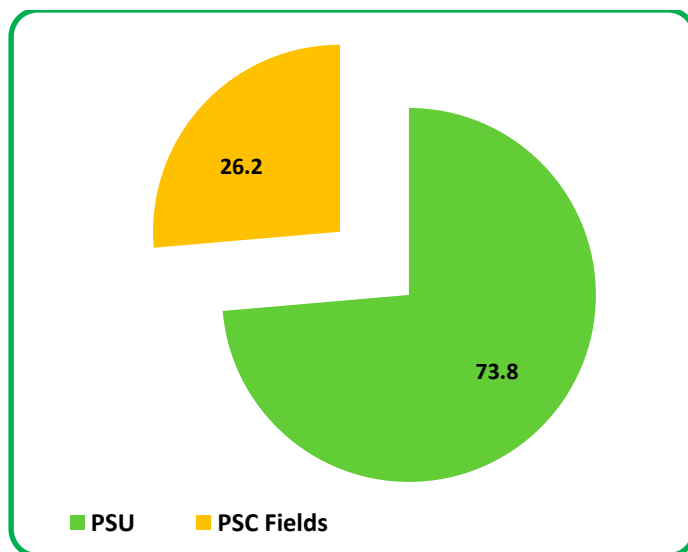
- Indigenous crude oil and condensate production during March 2020 and 2019 –20 was lower by 5.5% and 5.9% respectively as compared to the corresponding period of the previous year.
- Crude oil processed in refineries during March 2020 was 21.2 MMT, which was 5.7% higher than March 2019. On cumulative basis total crude oil processed was 254.4 MMT which was lower by 1.1% during 2019 –20 as compared to 2018-19.
- Production of petroleum products saw a de-growth of 0.5% during March 2020 over March 2019. On cumulative basis production of petroleum products saw a marginal growth of 0.2% during 2019 – 20 as compared to as compared to 2018-19.
- Production of BS VI grade of MS and HSD have increased by 29 folds and 39 folds respectively during March 2020 as compared to March 2019. During 2019 – 20 production of BS VI grade MS and HSD have increased by almost 11 folds and 20 folds approximately respectively as compared to the corresponding period of the previous year.
- Crude oil imports increased by 1.8% and 0.2% during March 2020 and 2019-20 respectively as compared to the corresponding period of the previous year.
- POL products imports increased by 7.1% and 29.9% during March 2020 and 2019-20 respectively as compared to the corresponding period of the previous year. Increase in POL products imports during 2019-20 was due to increase in imports of all products except naphtha and aviation turbine fuel (ATF).
- Exports of POL products increased by 7.4% and 7.5% during March 2020 and 2019-20 respectively as compared to the corresponding period of the previous year. Increase in POL products exports during 2019 - 20 was mainly due to increase in exports of naphtha and high-speed diesel (HSD).

Part A: Production

2. Indigenous crude oil and condensate production

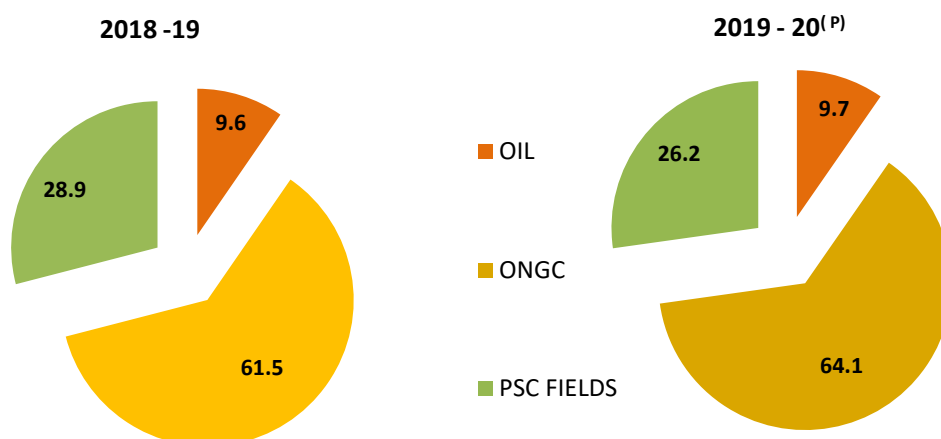
- The percentage share of PSU upstream companies and PSC fields in overall crude oil and condensate production during 2019 – 2020^(P) is shown in figure-1 below:

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



- The comparison of percentage share of ONGC, OIL and PSC fields in total crude oil and condensate production during 2019 –2020^(P) over 2018-19 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 2018-19 and 2019 –20 is given below:

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

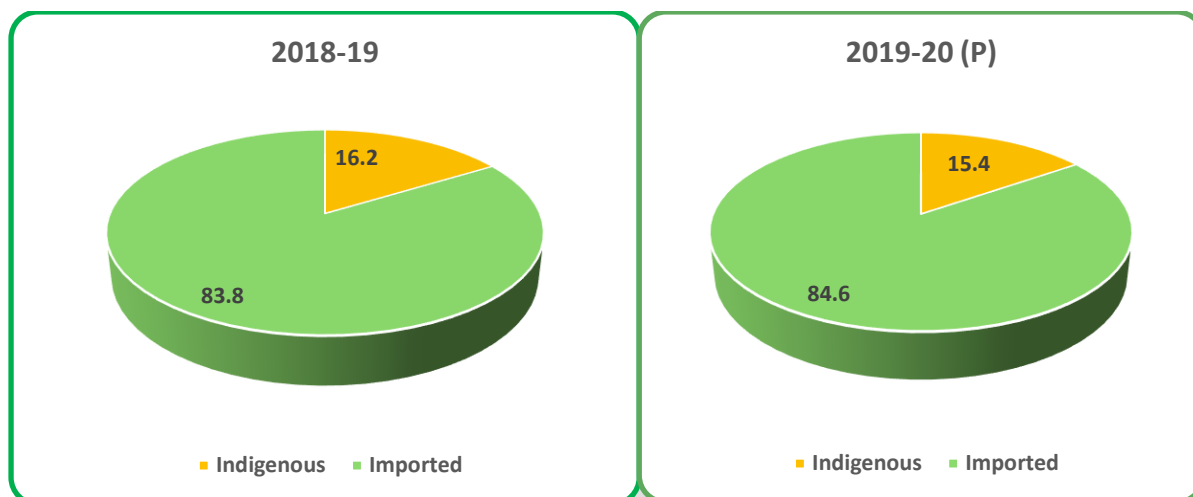


Figure-4; Percentage share of Indigenous/imported crude oil processed in private refineries in April – March

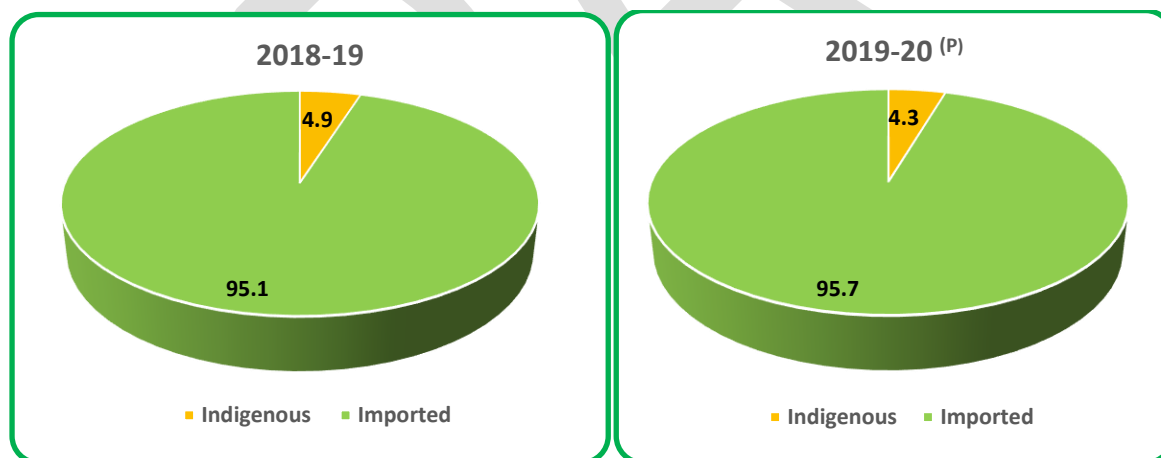


Table-1; High sulphur crude oil processed as percentage of total crude oil processed

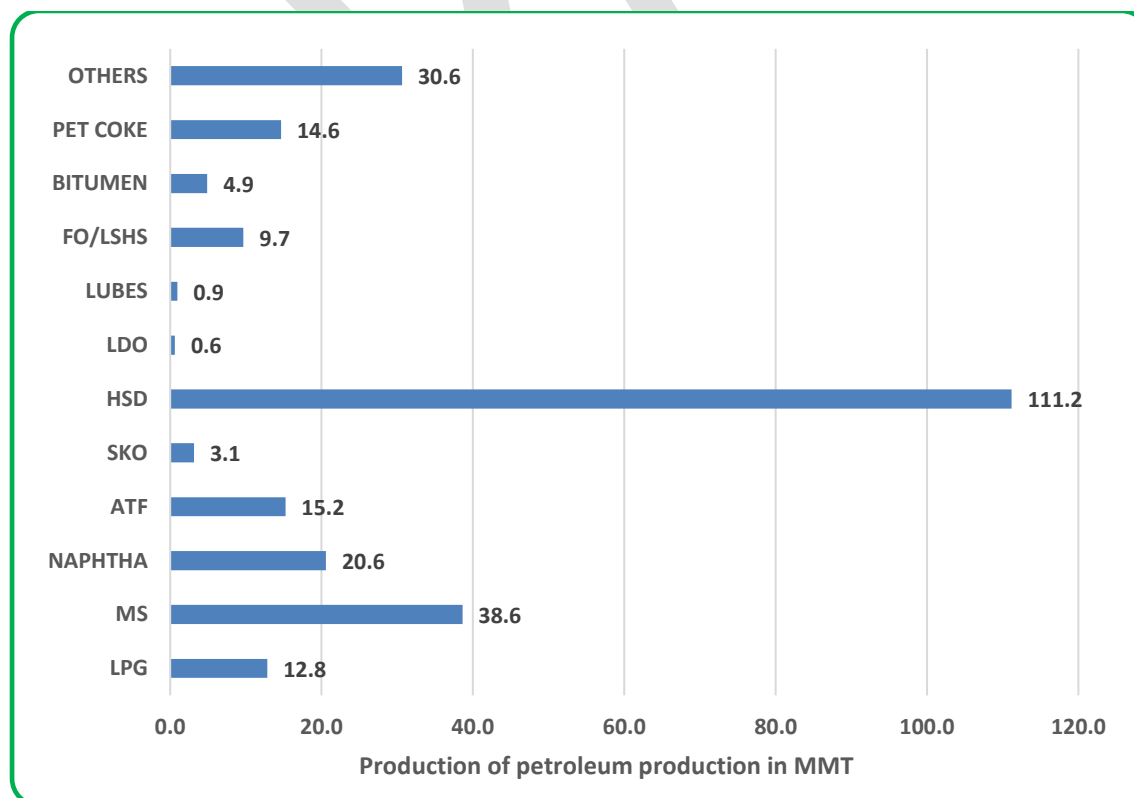
	March		April- March	
	2018-19	2019-20 (P)	2018-19	2019-20 (P)
	Qty. in TMT			
High sulphur crude (HS)	16.8	16.2	194.2	192.2
Low sulphur crude (LS)	5.7	5.0	63.0	62.2
Total crude processed	22.5	21.2	257.2	254.4
% share of HS crude in total crude	74.6%	76.5%	75.5%	75.5%

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

Table-2; Production of petroleum products	
<i>(Thousand Metric Tonnes)</i>	
Products	March 2020^(P)
LPG	1163
Naphtha	1923
MS	3309
ATF	1131
SKO	301
HSD	9748
LDO	44
Lubes	107
FO	761
LSHS	40
Bitumen	488
RPC(Pet-coke)	1327
Others	2562
Total	22904

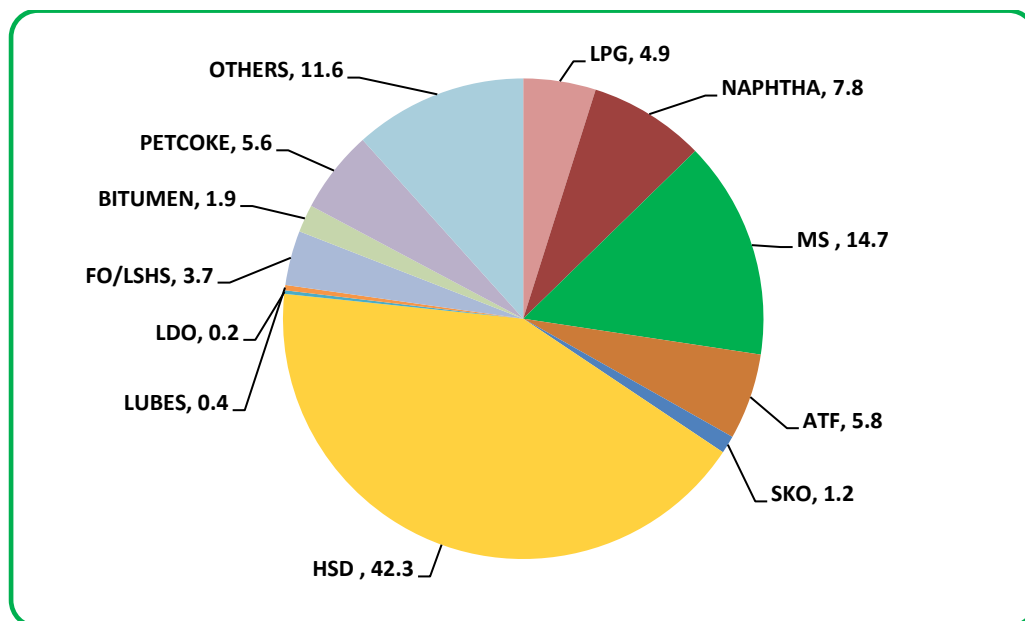
Note: (P): Provisional. Source: Oil Companies
 * Others include products like Propylene, solvents (Hexane, Benzene, Toluene, Xylene and Specialty solvents), Reformate, Mineral Turpentine Oil, Carbon Black Feedstock, Waxes, Sulphur etc.
 LPG: Liquefied petroleum gas, MS: Motor spirit, ATF: Aviation turbine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

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



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

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



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Part B: Import /Export

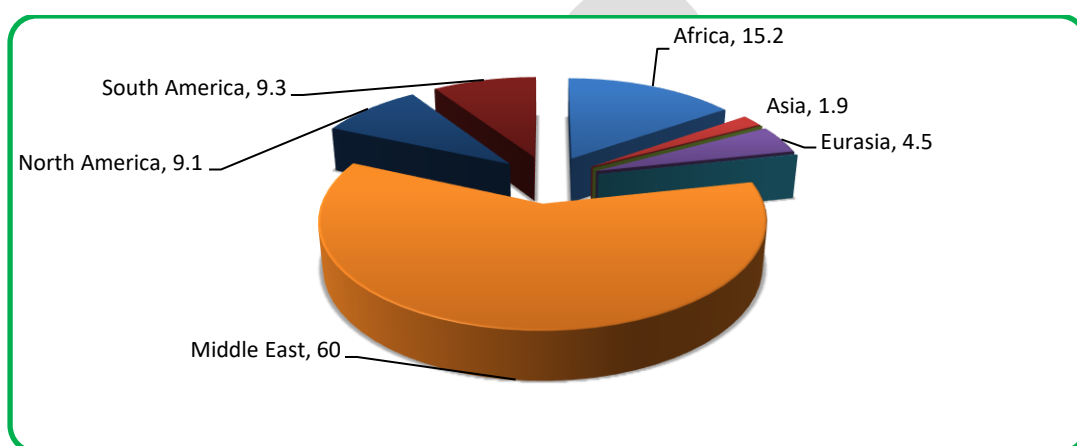
PPAC

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 2020 (P)	2019 - 20 (P)
CRUDE OIL	19515	226955

Figure 7: Region wise percentage share of crude oil during 2019 - 20 (P)



- Crude oil imports increased by 1.8% and 0.2% during March 2020 and 2019 - 20 respectively as compared to the corresponding period of the previous year.
- Crude oil imports from OPEC countries decreased to 79.6% of total imports during 2019 - 20 as compared to 82.2% during 2018 - 19.

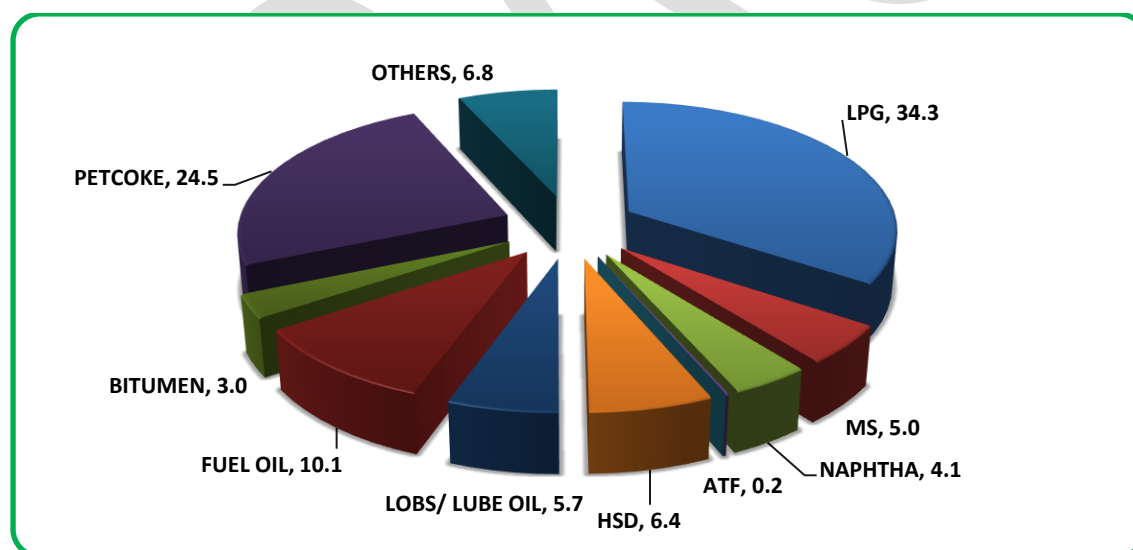
5.b Import Petroleum Products

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

Table-4; Import of Petroleum products		
(Thousand Metric Tonnes)		
Product	March 2020 ^(P)	2019 - 20 ^(P)
LPG	1230	14845
MS/ Petrol	74	2146
NAPHTHA	151	1775
ATF	1	68
HSD	139	2775
LOBS/LUBE OIL	215	2481
FUEL OIL	881	4395
BITUMEN	101	1286
PETCOKE	912	10605
OTHERS§	210	2953
TOTAL IMPORTS	3916	43330

Notes: (P): Provisional. Source: Oil Companies & DGCIS
 # January- March 2020 private import (POL) quantity prorated on the basis of January-December 2019 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: 2019 - 20^(P)



Import of LPG and Lubes/LOBS was done due to deficit in production and accounted for 40% share of total POL products import during 2019 - 20 as compared to 47.1% during 2018 - 19. MS (2.1 MMT) and HSD (2.8 MMT) import was done during 2019 - 20 due to shutdown of refineries for implementation of BS VI projects. Import of petcoke accounted for 24.5% of total POL imports during 2019 - 20. The entire quantity was imported by private importers and mainly by cement industry.

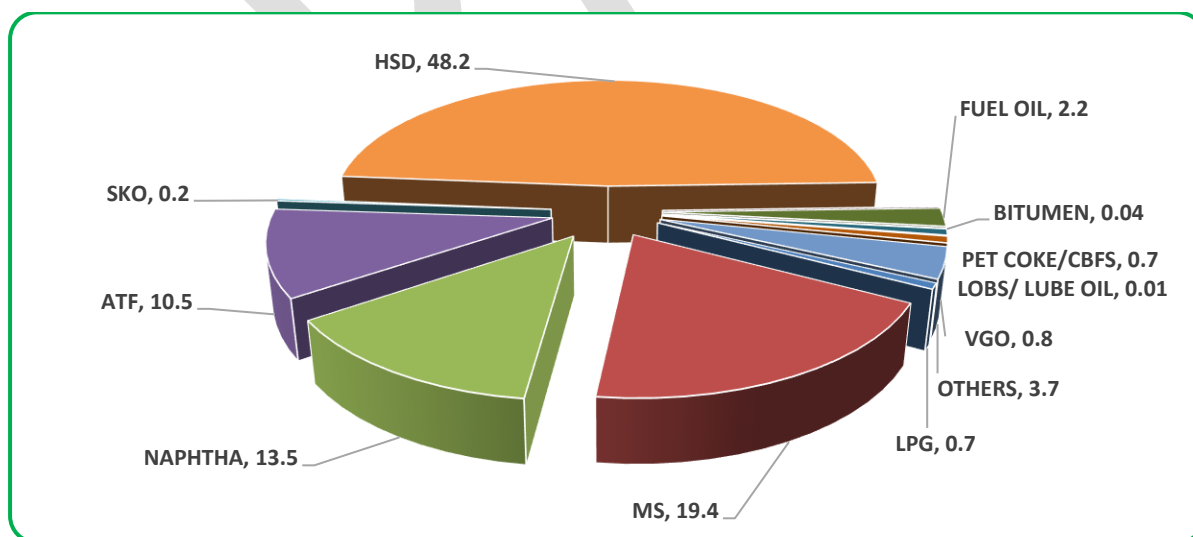
5.c Export of Petroleum Products

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

Table-5 Export of major Petroleum products			
(Thousand Metric Tonnes)			
Product	March 2020 ^(P)	2019 - 20 ^(P)	
LPG	45	463	
MS	1141	12710	
Naphtha	820	8897	
ATF	488	6906	
SKO	61	157	
HSD	2958	31649	
LDO	0	0	
LOBS/LUBE OIL	0	8	
FUEL OIL	52	1434	
BITUMEN	0	25	
PETCOKE	11	465	
VGO	62	502	
OTHERS [#]	286	2445	
TOTAL EXPORT	5926	65662	

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 exports: 2019 - 20^(P)



Exports of POL products increased by 7.4% and 7.5% during March 2020 and 2019-20 respectively as compared to the corresponding period of the previous year. Increase in POL products exports during 2019 - 20 was mainly due to increase in exports of naphtha and high-speed diesel (HSD).