

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

**&**

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

**December 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 by oil companies are analyzed to assess the domestic availability of petroleum products in the country.

---

## Highlights

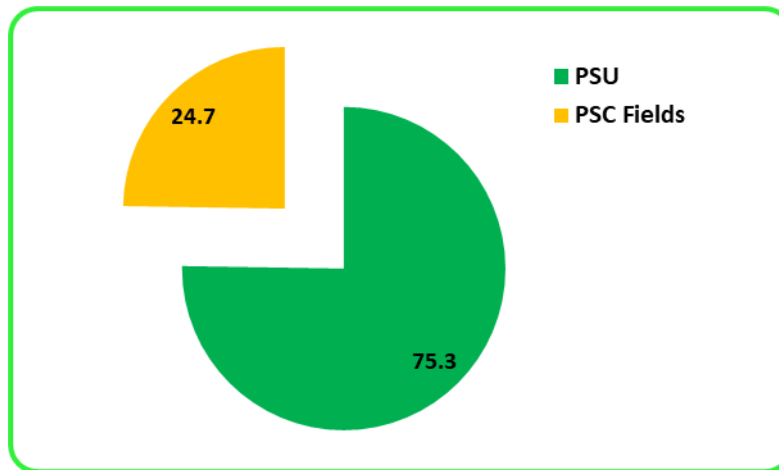
- Indigenous crude oil and condensate production during December 2021 and April – December 2021 was lower by 1.8 % and 2.6 % respectively as compared to the corresponding period of the previous year.
- Crude oil processed during December 2021 was 21.5 MMT, which was 2.2 % higher than December 2020. On cumulative basis total crude oil processed was 177.2 MMT which was higher by 10.5 % during April – December 2021 as compared to April – December 2020.
- Production of petroleum products saw a growth of 5.9 % and 9.4 % during December 2021 and April – December 2021 respectively over the corresponding period of the previous year.
- Crude oil imports decreased by 4.1% and increased by 9.2% during December 2021 and April-December 2021 respectively as compared to the corresponding period of the previous year.
- POL products imports decreased by 2.9% and 7.5% during December 2021 and April-December 2021 respectively as compared to the corresponding period of the previous year. Decrease in POL products imports during April-December 2021 was due to decrease in imports of petcoke, high speed diesel (HSD), motor sprit (MS), naphtha and superior kerosene oil (SKO).
- Exports of POL products increased by 30.6% and 9.7% during December 2021 and April-December 2021 respectively as compared to the corresponding period of the previous year. Increase in POL products exports during April-December 2021 (P) was due to increase in exports of all products except LOBS/Lubes oil, Bitumen and petcoke/CBFS.

## Part A: Production

## 2. Indigenous crude oil and condensate production

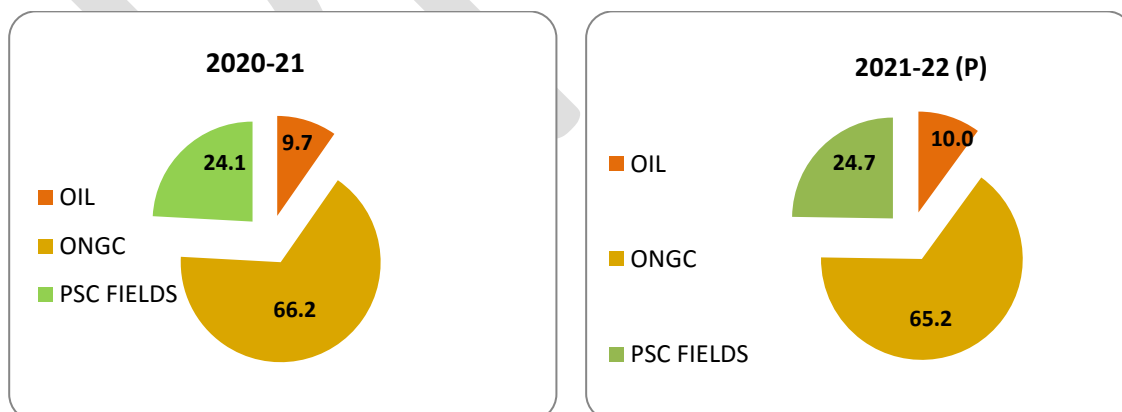
- The percentage share of PSU upstream companies and PSC fields in overall crude oil and condensate production during April – December <sup>(P)</sup> is shown in figure-1 below:

Figure-1; Percentage share in crude oil and condensate production; April – December 2021 <sup>(P)</sup>



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

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

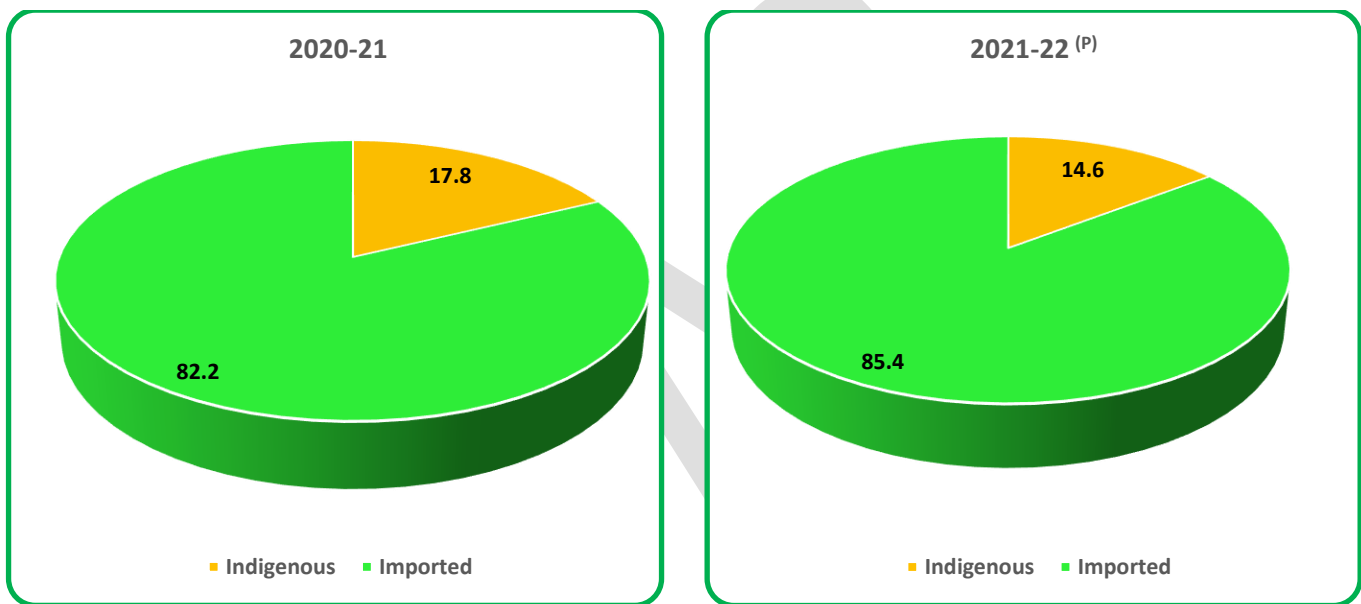


### 3. Crude oil processing by Oil Companies

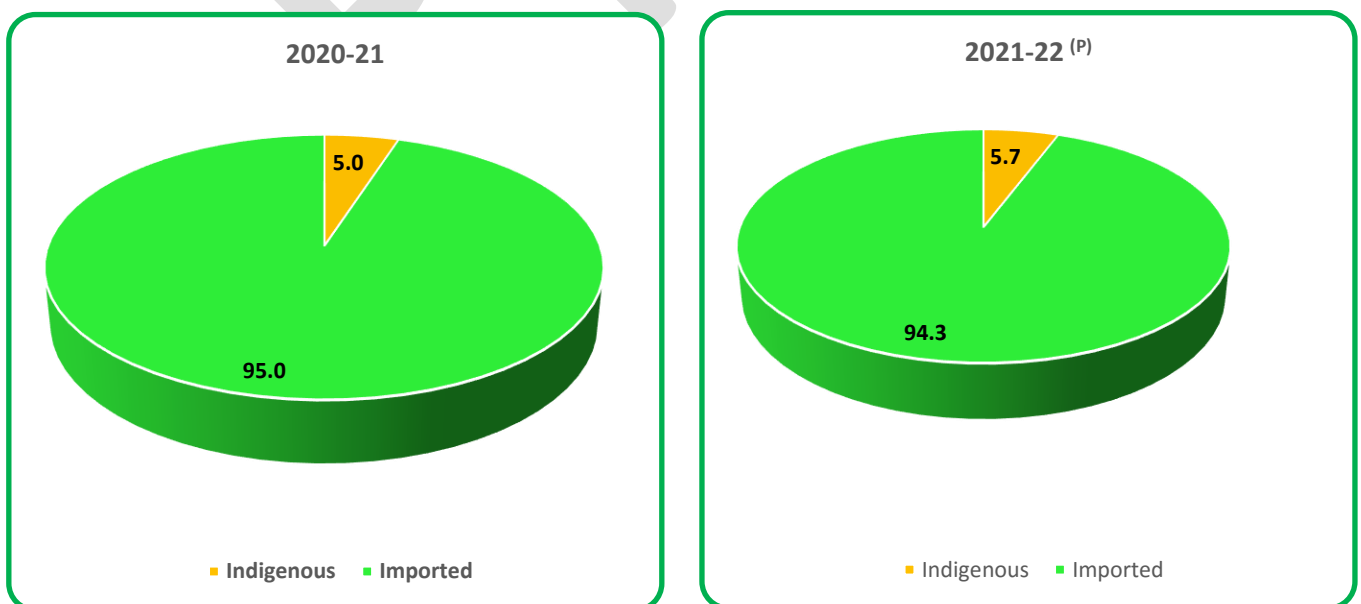
- Analysis of crude oil processing by refineries:

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

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



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



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

	December		April – December	
	2020-21	2021-22 (P)	2020-21	2021-22 (P)
	Qty. in MMT			
High Sulphur crude (HS)	15.3	17.1	117.3	134.8
Low Sulphur crude (LS)	5.7	4.4	43.0	42.4
Total crude processed	<b>21.0</b>	<b>21.5</b>	<b>160.4</b>	<b>177.2</b>
<b>% Share of HS crude in total crude processed</b>	<b>72.9%</b>	<b>79.5%</b>	<b>73.2%</b>	<b>76.1%</b>

#### 4. Production of Petroleum Products

Details of production of petroleum products by refineries and fractionators during December 2021<sup>(P)</sup> are given in Table-2.

**Table-2; Production of petroleum products**

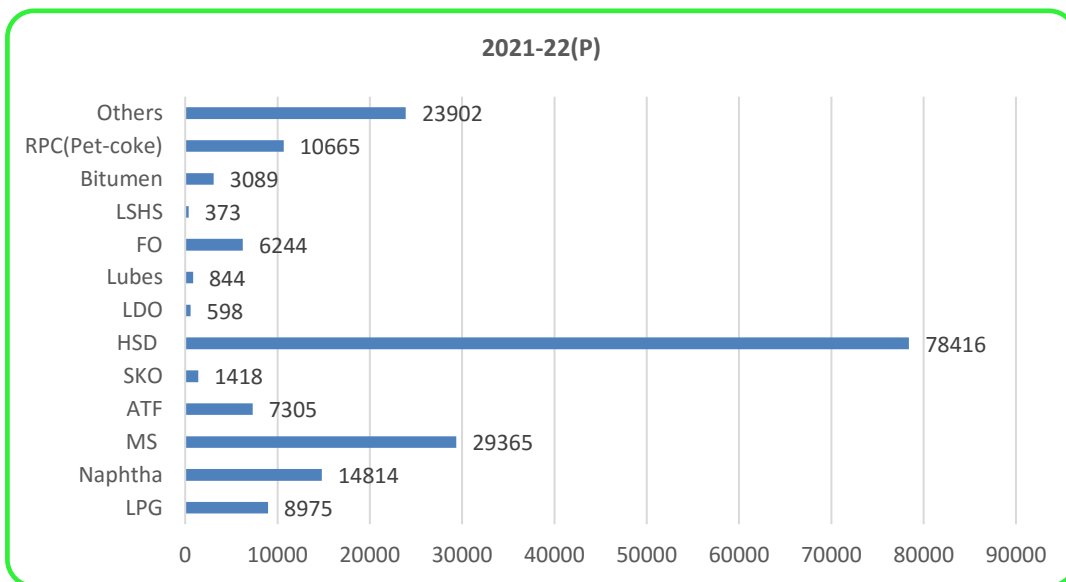
		(Thousand Metric Tonnes)
Products	December 2021 <sup>(P)</sup>	
LPG	1136	
Naphtha	1654	
MS	3723	
ATF	1066	
SKO	188	
HSD	9352	
LDO	63	
Lubes	104	
FO	837	
LSHS	53	
Bitumen	433	
RPC(Pet-coke)	1396	
Others	2749	
<b>Total</b>	<b>22755</b>	

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.

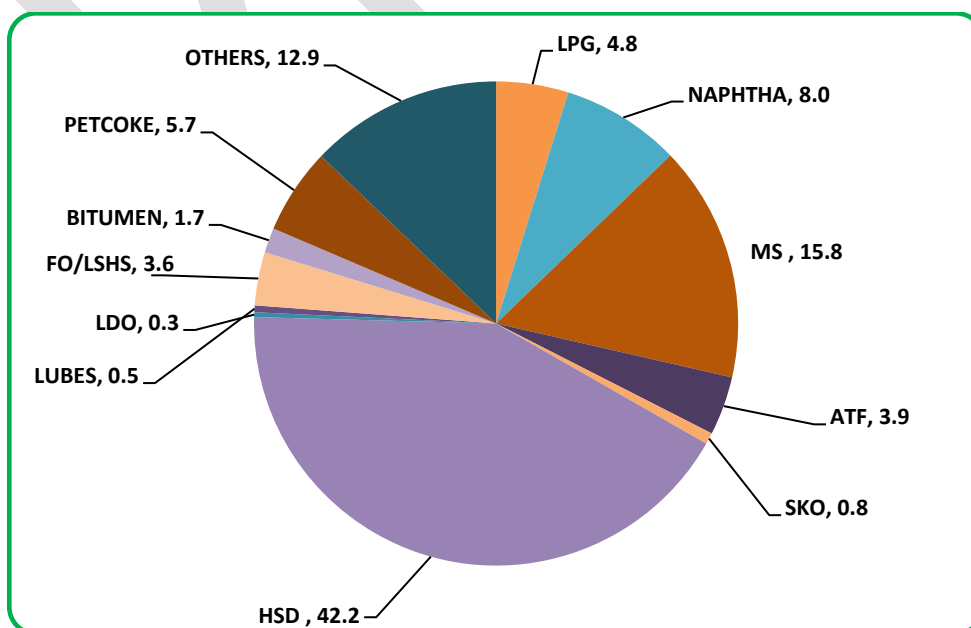
LPG: Liquefied petroleum gas, MS: Motor spirit, ATF: Aviation turbine fuel; SKO: Superior kerosene oil, HSD: High speed diesel;

**Figure-5; Product wise production of POL products by refineries and fractionators: April – December 2021 <sup>(P)</sup>**



The percentage share of various products in total POL production during April – December 2021 is shown below:

**Figure-6; Percentage share of products in total POL production: April – December 2021 <sup>(P)</sup>**



## Part B: Import /Export

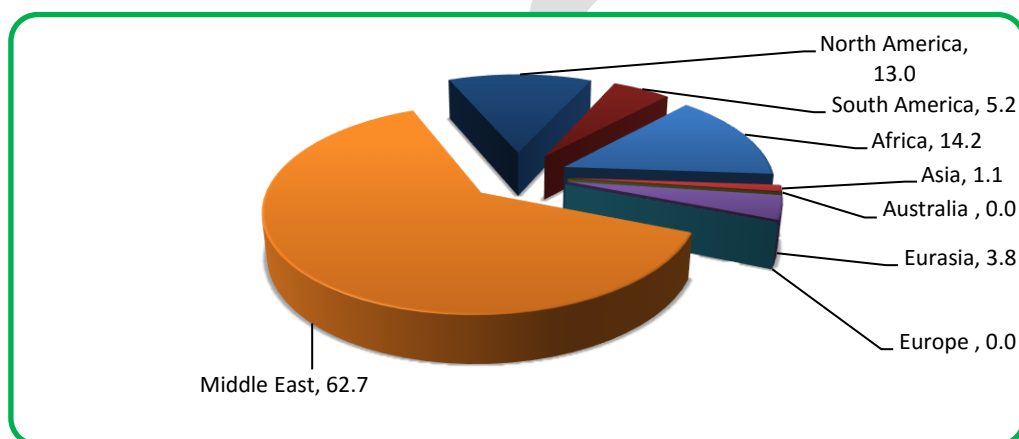


## 5.a Import of Crude oil

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

Table-3; Import of Crude oil		
<i>(Thousand Metric Tonnes)</i>		
Import	December 2021 <sup>(P)</sup>	April to December 2021 <sup>(P)</sup>
Crude Oil	19648	156509

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



- Crude oil imports decreased by 4.1% and increased by 9.2% during December 2021 and April-December 2021 respectively as compared to the corresponding period of the previous year.
- Crude oil imports from OPEC countries decreased to 71.1% of total imports during April-December 2021 as compared to 73.7% during April- December 2020.

## 5.b Import Petroleum Products

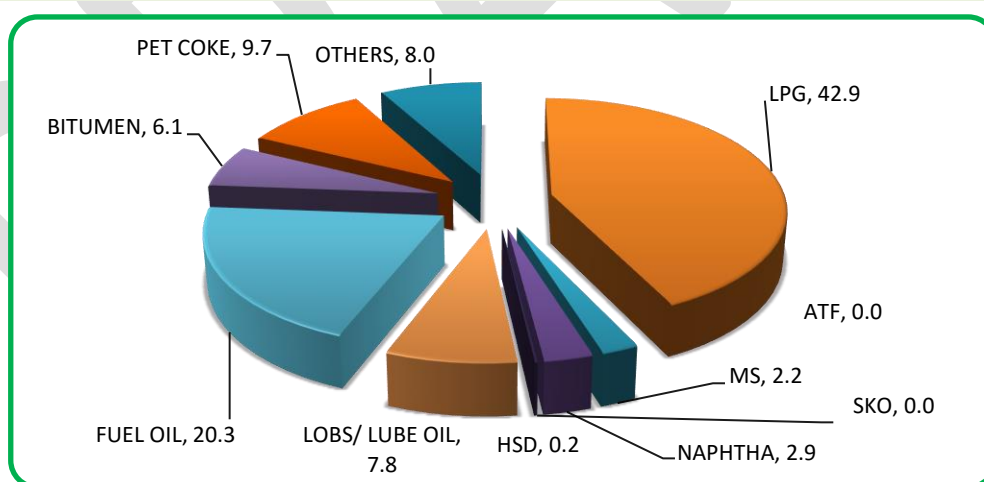
Details of import of petroleum products given in Table-4 below:

Table-4; Import of Petroleum products		
(Thousand Metric Tonnes)		
Product	December 2021 <sup>(P)</sup>	April to December 2021 <sup>(P)</sup>
LPG	1657	13026
MS/ Petrol	1	672
NAPHTHA	88	882
ATF	0	0
SKO	0.02	0.3
HSD	7	50
LOBS/LUBE OIL	282	2361
FUEL OIL	862	6166
BITUMEN	214	1839
PETCOKE	353	2943
OTHERS§	419	2444
<b>TOTAL IMPORTS</b>	<b>3884</b>	<b>30384</b>

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

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

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



- Imports made due to deficit in production viz. LPG and Lubes/LOBS accounted for 50.6% share of total POL products import during April-December 2021 as compared to 43.1% during April-December 2020.
- Import of petcoke accounted for 9.7% of the total POL imports during April-December 2021. The entire quantity was imported by private importers.

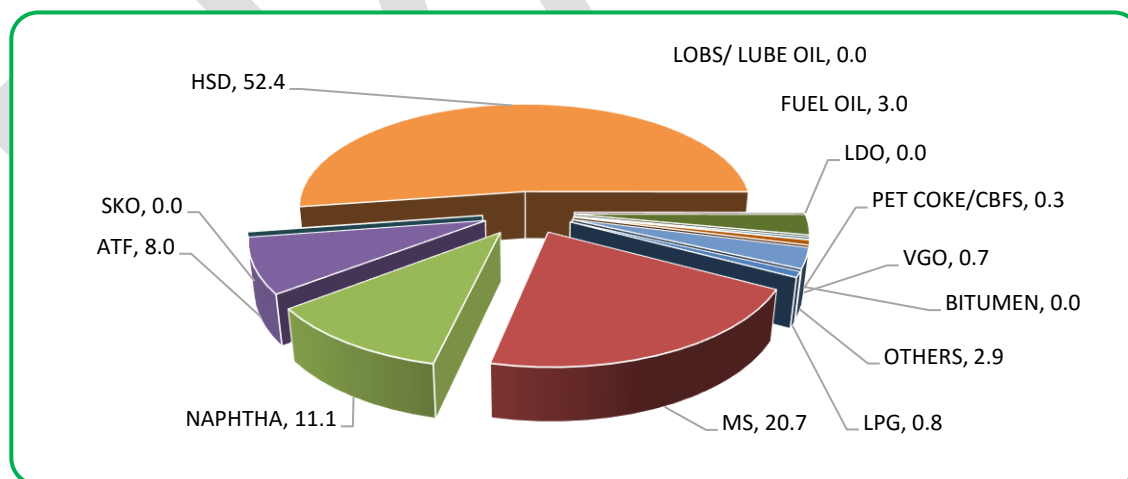
## 5.c Export of Petroleum Products

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

Table-5 Export of major Petroleum products		
(Thousand Metric Tonnes)		
Product	December 2021 <sup>(P)</sup>	April to December 2021 <sup>(P)</sup>
LPG	50	382
MS	1374	9583
Naphtha	642	5121
ATF	569	3706
SKO	1	11
HSD	3209	24200
LDO	0.02	0.02
LOBS/LUBE OIL	1	3
FUEL OIL	138	1368
BITUMEN	0	6
PETCOKE	0.1	138
VGO	26	319
OTHERS <sup>#</sup>	117	1357
<b>TOTAL EXPORT</b>	<b>6128</b>	<b>46194</b>

Note: (P): Provisional. Source: Oil Companies  
<sup>#</sup> 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 December 2021 (P)



- Exports of POL products increased by 30.6% and 9.7% during December 2021 and April-December 2021 respectively as compared to the corresponding period of the previous year. Increase in POL products exports during April-December 2021 (P) was due to increase in exports of all products except LOBS/Lubes oil, Bitumen and petcoke/CBFS.