



**Petroleum Planning & Analysis Cell**

Ministry of Petroleum & Natural Gas, Government of India

# Industry POL and NG Consumption Report

*MAY 2021*



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## Highlights

The month of May 2021 took off with a peak in the second wave of COVID while new cases started declining from the second week of the month. Though the month saw implementation of containment measures and local restrictions imposed by State/UT governments to contain the pandemic. Vaccinations continued to be rolled out across the States/UTs during the month.

**The summary of product-wise POL consumption pattern during the month of May 2021 is as follows.**

1. The consumption of petroleum products in May 2021 with a volume of 15.1 MMT recovered to 98.5% of volume of 15.3 MMT in May 2020. Containment measures and local restrictions to contain the second wave of COVID-19 during the month restricted consumption. The products which registered a growth in the month of May 2021 were Diesel (HSD) 0.8%, Petrol (MS) 12.5%, Naphtha 25.7%, Aviation Turbine Fuel (ATF) 138.6%, Furnace Oil & Low Sulphur Heavy Stock (FO/LSHS) 0.2%, Lubes & Greases 67.3%, Light Diesel Oil (LDO) 9.0% and products categorised under "Others" category 23.1% while the products which registered de-growth during the month were LPG -5.5%, Bitumen -10.0% and Pet coke -38.0%. Kerosene (SKO) recorded a de-growth of -24.7% during the current month as compared to May 2020.
2. MS (Petrol) consumption during the month of May 2021 with a volume of 2.0 MMT registered a growth of 12.5% over the volume of 1.8 MMT in May 2020. The growth in consumption can be attributed to better mobility in the month of May 2021 as compared to the same period last year, since lockdowns during the month were restricted to highly affected districts and states.
3. HSD (Diesel) consumption during the month of May 2021 with a volume of 5.5 MMT registered a growth of 0.8% over the volume of 5.49 MMT in May 2020. Industries operated on restricted manpower in the districts and states/UTs which were not under complete lockdown. The power demand in May 2021 increased by 7.5% as compared to May 2020 and power deficit decreased to -0.2% as compared to -0.5% in the month of May 2020. Rainfall during the month was 74% above the normal. A growth of 33.0% was recorded in port traffic during May 2021 as compared to May 2020.
4. LPG consumption during the month of May 2021 with a volume of 2.2 MMT recovered to 94.5% of the volume of 2.3 MMT in the month of May 2020. LPG consumption for the period of May 2021 has registered a growth of 2.6% over the volume of the previous month of April 2021.
5. ATF consumption during May 2021 with a volume of 0.3 MMT registered a growth of 138.6% over a volume of 0.1 MMT during the month of May 2020. Domestic air travellers remained cautious while international air travel remained restricted during the month.
6. Bitumen consumption during May 2021 with a volume of 0.5 MMT recovered to 90.0% of volume of 0.6 MMT in the month of May 2020. The pandemic affected the pace of road construction activities with many projects operating with restricted manpower.
7. Kerosene (SKO) consumption registered a de-growth of -24.7% in May 2021 as compared to May 2020. Ten States/UTs have gone kerosene free while the states of Goa, Uttrakhand and the UTs of Jammu & Kashmir, Ladakh and Lakshadweep registered nil sales of PDS SKO during the month.

This report analyses the trend of consumption of petroleum products in the country during the month of May 2021. Data on product-wise monthly consumption of petroleum products for May 2021 is uploaded on the PPAC website ([www.ppac.gov.in](http://www.ppac.gov.in)) and on the mobile app “PPACE (PPAC-Easy)”.

## Consumption

The growth (%) in consumption of petroleum products, category-wise, for the month of May 2021 is given in Table-1.

**Table-1: Petroleum Products Consumption (Quantity in TMT)**

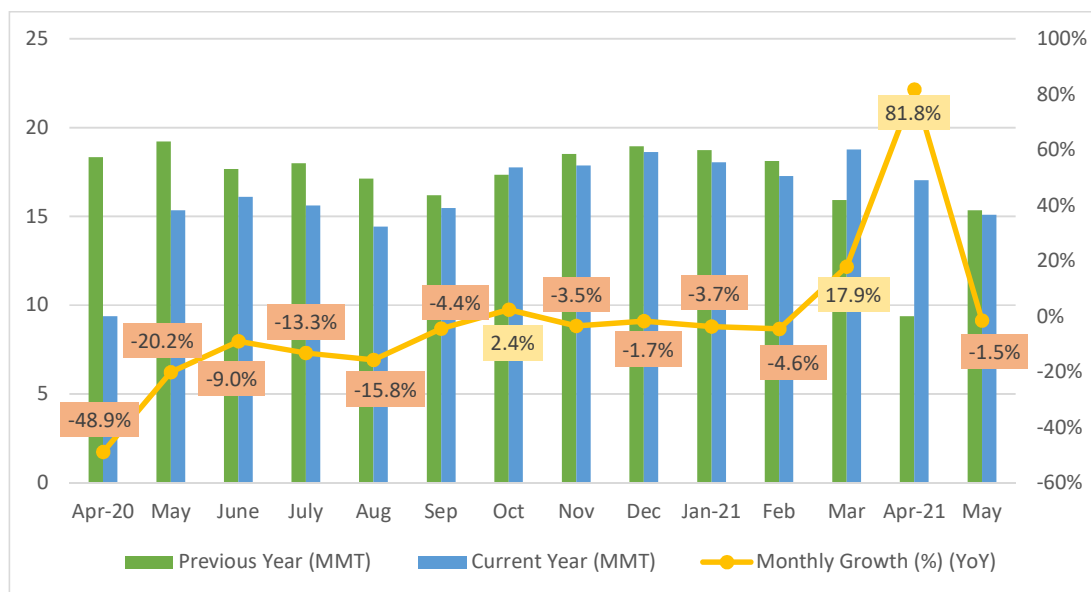
Product Type	Share %	May -2020	May - 2021	Growth (%)	Products included
Sensitive Products	15.3	2475	2304	-6.9	SKO & LPG
Major Decontrolled Products	68.6	9647	10369	7.5	HSD, MS, Naphtha, Lubes, LDO, FO/LSHS, Bitumen & ATF
Minor Decontrolled Products	16.1	3217	2433	-24.4	Petcoke & other minor products
<b>Total</b>	<b>100</b>	<b>15340</b>	<b>15106</b>	<b>-1.5</b>	

### All Products:

Overall consumption of all petroleum products in May 2021 with a volume of 15.1 MMT recovered to 98.5% of volume of 15.3 MMT in May 2020. The products which registered a growth in the month of May 2021 were Diesel (HSD) 0.8%, Petrol (MS) 12.5%, Naphtha 25.7%, Aviation Turbine Fuel (ATF) 138.6%, Furnace Oil & Low Sulphur Heavy Stock (FO/LSHS) 0.2%, Lubes & Greases 67.3%, Light Diesel Oil (LDO) 9.0% and products categorised under “Others” category 23.1% while all other products recorded de-growth during the month.

Figure-1 gives a comparison of monthly POL consumption (MMT) and growth (%) since April 2020.

**Figure-1: Comparison of monthly POL consumption (MMT) and growth (%) since April 2020**



PPAC analyzes the sales recorded by the Industry and domestic sales by SEZ units based on available data. Data on direct private imports is received from DGCIS, which is added to the final sales reported by oil companies and domestic sales by SEZ units, for estimation of consumption figures, are available up to June 2020. Private imports data for July 2020 to May 2021 are projected based on July 2019 to June 2020 actual data.

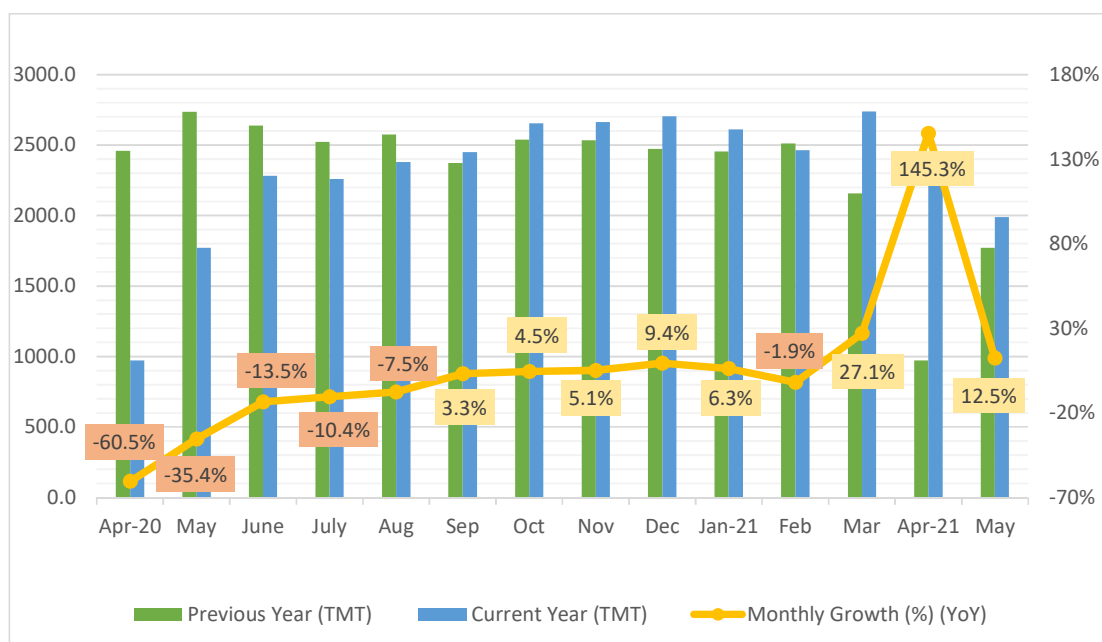
### **Petrol/Motor Spirit (MS):**

MS (Petrol) consumption during the month of May 2021 with a volume of 2.0 MMT recorded a growth of 12.5% over the volume of 1.8 MMT in May 2020. Major factors contributing to MS consumption during the month are as follows:

- Restrictions and lockdowns during May 2021 have been limited to districts and states/UTs with high number of COVID-19 cases while other places have seen considerable mobility during the month.
- Second wave have again shifted the preference towards personal mobility.

Figure-2 gives month-wise MS consumption volume (TMT) and month-on-month growth (%) since April 2020.

**Figure-2: Month wise MS consumption (TMT) and growth (%) since April 2020**



**Other Factors impacting consumption of MS:**

**Passenger Vehicle Sales:**

The passenger vehicle sales during the month of May 2021 with a sale of 0.9 Lac vehicles has clocked a growth of 162.5% over its historical sale of 0.3 Lac vehicles during the month of May 2020 due to low base during lockdown and impact of second wave. Utility vehicles have been the major growth drivers for the passenger vehicles during the month.

Passenger car and utility vehicles recorded a growth of 187.2% and 160.3% respectively, while Vans recorded a de-growth of -22.3% during the current month as compared to the same period previous year.

**Table-2: Passenger vehicle sales in the month of May 2021**

Vehicle Segment	May		
	2019-20	2020-21	Growth %age
Passenger Cars	14,460	41,536	187.2
Utility Vehicles	17,347	45,158	160.3
Vans	1,739	1,351	-22.3
Total PV	33,546	88,045	162.5

### *Two Wheeler Sales:*

The two-wheeler sales during the month of May 2021 with a sale of 3.5 Lac vehicles has clocked a growth of 26.1% over its historical sale of 2.8 Lac vehicles during the month of May 2020 due to low base during lockdown. Though there has been a growth in sales, absolute volumes are only slowly recovering from the second wave of COVID-19.

Motor cycle sales registered a growth of 49.6%, while Scooters/Scooterette and Mopeds registered a de-growth of -27.3% and -45.5% respectively during the current month as compared to the same period previous year.

**Table-3: Two Wheelers vehicle sales in the month of May 2021**

Vehicle Segment	May		
	2019-20	2020-21	Growth %ge
<b>Scooters/Scooterette</b>	69,196	50,294	-27.3
<b>Motor Cycles</b>	197,378	295,257	49.6
<b>Mopeds</b>	13,088	7,135	-45.5
<b>Electric Two Wheelers</b>	20	31	55.0
<b>Total 2 Wheelers</b>	<b>279,682</b>	<b>352,717</b>	<b>26.1</b>

### **High Speed Diesel (HSD):**

HSD (Diesel) consumption during the month of May 2021 with a volume of 5.5 MMT recorded a growth of 0.8% over the volume of 5.49 MMT in May 2020.

Factors affecting diesel consumption during the current month:

- Lockdowns and restrictions were limited to districts and states/UTs severely affected by the second wave of COVID-19.
- Industries outside complete lockdown areas continued to operate with restricted manpower.
- Cyclone Tauktae on the west coast and Yaas in the east coast disrupted normal economic activities.
- Agriculture season in several states have shifted to next month dampening consumption during the month.
- Sectoral analysis of direct consumer segment indicated that consumption of diesel during the May 2021 in manufacturing activities has grown by 4.0% of its level in the month of May 2020.

Figure-3 gives month-wise HSD consumption volume (TMT) and month-on-month growth (%) since April 2020.

**Figure-3: Month-wise HSD consumption (TMT) and growth (%) since April 2020**

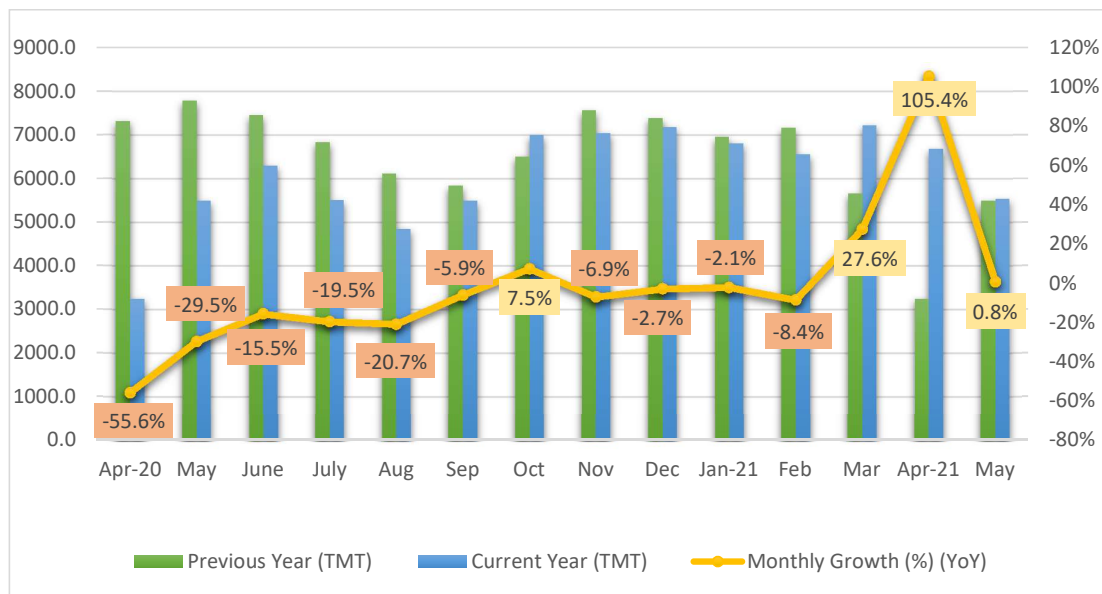
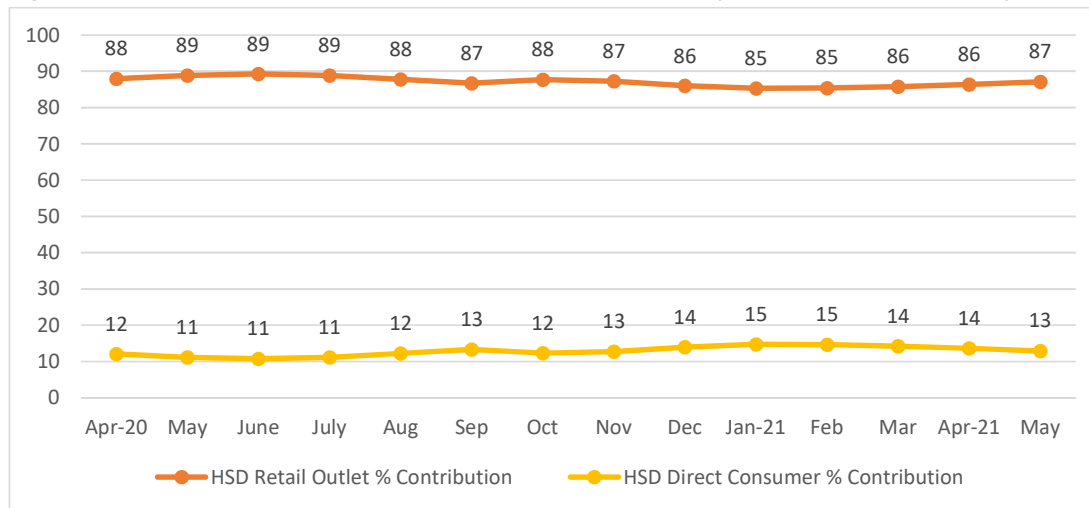


Figure-4 gives a comparison of month-wise percentage of HSD consumption through retail outlets and direct consumer business since April 2020.

**Figure-4: Share of Retail & Direct business (%) in Diesel consumption month-wise since April 2020**



**Other Factors impacting consumption of HSD:**

*Commercial Vehicle*

Based on data reported by individual companies, there has been growth in sales of commercial vehicles in the month of May 2021 as compared to May 2020. Though the absolute volumes are still recovering from the second wave of COVID-19.



### Tractor Sale:

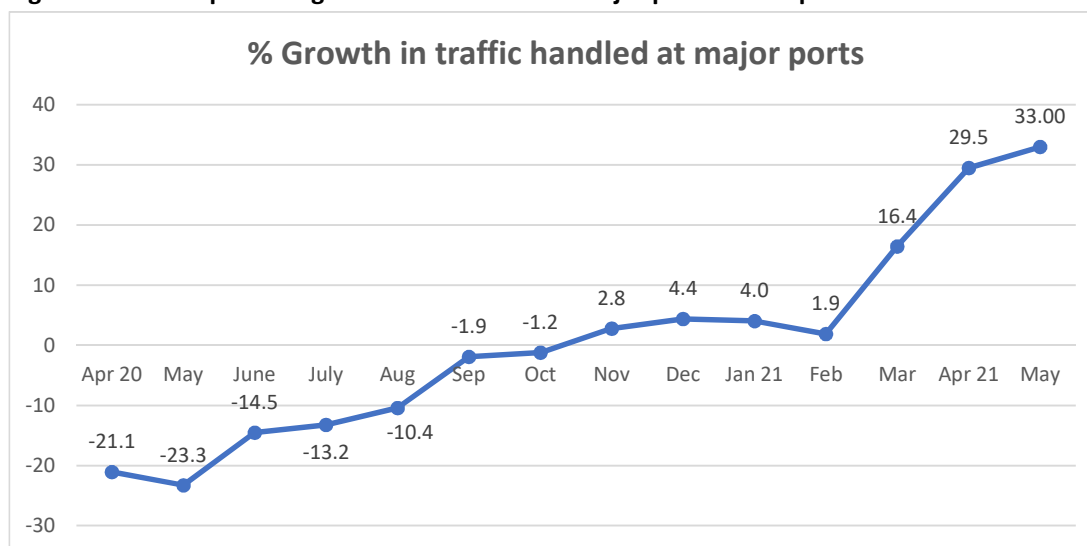
Similarly, tractor sales as reported by major individual companies in the month of May 2021 have been on a lower side as compared to the sales in the previous year May 2020. The demand for tractors have been impacted by the second wave of COVID-19 in the rural areas.

### Port Traffic:

The traffic handled at major ports in India recorded a growth of 33.0% and together handled 60.4 MMT of cargo during May 2021 as against 45.4 MMT handled during the corresponding period of the previous year. There has been a growth in traffic handled at major ports for seventh consecutive month.

Figure-5 gives a trend in % growth of traffic handled at major ports since April 2020.

**Figure-5: Growth percentage of traffic handled at major ports since April 2020.**



Growth was observed in cargo handled during the month of May 2021 in the port of Kolkata & Haldia 14.1%, Paradip 23.5%, Visakhapatnam 26.8%, Kamarajar (Ennore) 174.1%, Chennai 77.8%, V.O Chidambaranar (Tuticorin) 4.0%, Cochin 67.9%, Mumbai 31.3%, JNPT 51.9% and Deendayal (Kandla) 45.0%.

During the period April - May 2021, growth was registered in Petroleum Oil & lubricants (POL) 7.8%, other liquids 44.7%, iron ore 37.8%, fertilizer raw 51.3%, thermal & steam coal 52.2%, coking & others coal 13.2% and containers 64.3% and miscellaneous cargo 32.1%. Commodity-wise, the percentage share of POL was maximum i.e. 28.6%, followed by container 22.7%, thermal & steam coal 15.3%, other miscellaneous cargo 10.5%, iron ore & pellets 10.3%, coking & other coal 6.9%, other liquids 3.7%, raw fertilizer 1.1% and fertilizer finished 0.8%.

**Table-4: Traffic handled at major ports in May 2021**

Ports	May 2020	May 2021	Growth (%)
Kolkata & Haldia	3,697	4,219	14.1
Paradip	7,533	9,300	23.5
Visakhapatnam	4,938	6,262	26.8
Kamarajar (Ennore)	1,145	3,138	174.1
Chennai	2,120	3,770	77.8
V.O. Chidambaranar	2,420	2,517	4.0
Cochin	1,537	2,580	67.9
New Mangalore	3,596	3,468	-3.6
Mormugao	2,418	2,126	-12.1
Mumbai	3,453	4,533	31.3
JNPT	4,073	6,188	51.9
Deendayal	8,515	12,347	45.0
<b>Total:</b>	<b>45,445</b>	<b>60,448</b>	<b>33.0</b>

Source: ipa.nic.in

#### *Power situation:*

The position of power supply for the month of May 2021 is given in Table-5. As per the data reported, power deficit position had reduced to -0.2% in the month of May 2021 from -0.5% in the month of May 2020. The deficit was mainly in the UT of J&K and Ladakh and the state of Uttar Pradesh. Also the requirement of power in May 2021 at 110,400 MU has recorded a growth of 7.5% over requirement of power at 102,666 MU in the month of May 2020.

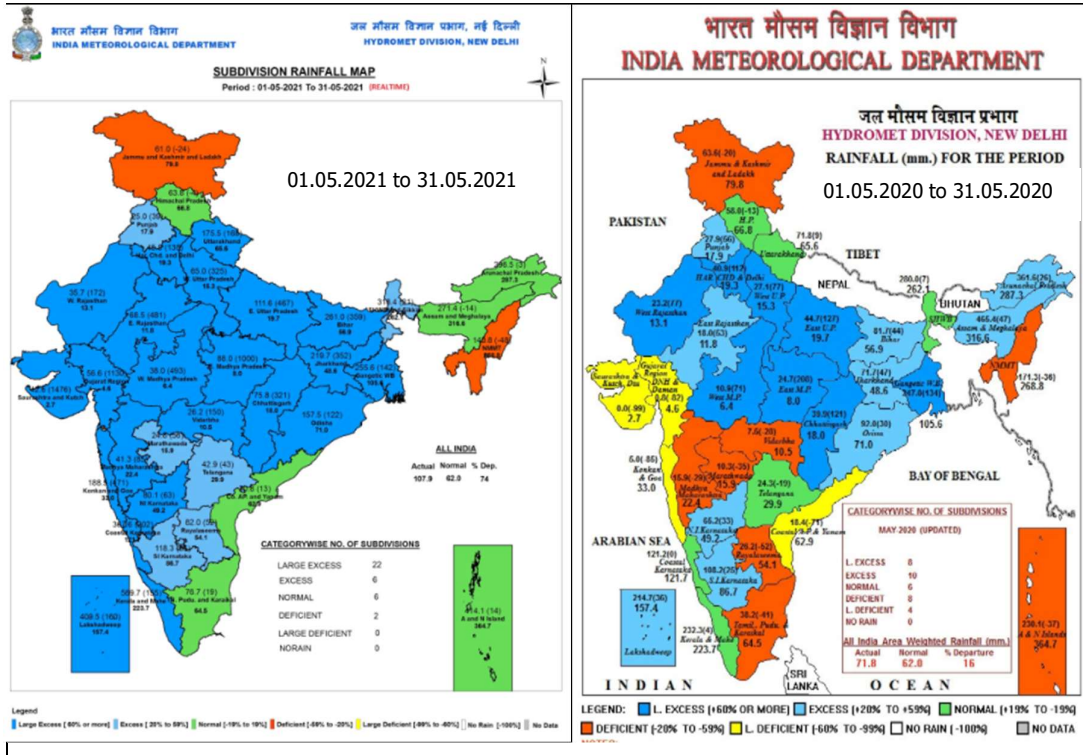
**Table-5: Power supplied and deficit for May 2021**

Region	May 2021		
	Requirement	Supplied (MU)	Deficit %
<b>North</b>	32,086	31,860	-0.7%
<b>West</b>	35,361	35,361	0.0%
<b>South</b>	28,040	28,037	0.0%
<b>East</b>	13,506	13,506	0.0%
<b>North-East</b>	1,407	1406	-0.1%
<b>Total</b>	<b>110,400</b>	<b>110,170</b>	<b>-0.2%</b>

Source: Central Electricity Authority (CEA)

#### *Seasonal rainfall scenario:*

The rainfall in the country during May 2021 was almost 74% above normal precipitation. A rainfall of 107.9 mm was recorded in the month of May 2021 as against a normal reading of 62.0 mm. Out of total 36 sub divisions, 34 divisions received from normal to large excess rainfall whereas 2 divisions received deficient to no rainfall.



### Kerosene:

Kerosene consumption registered a de-growth of -24.7% during the month of May 2021 as compared to May 2020. There are a total ten number of states/UTs who have voluntarily surrendered the PDS kerosene quota. All UTs except the UT of J&K and Ladakh and the states of Andhra Pradesh, Delhi, Haryana, Punjab, Uttar Pradesh and Rajasthan have been declared kerosene free. The states of Goa, Uttrakhand and the UTs of Jammu & Kashmir, Ladakh and Lakshadweep registered nil sales of PDS SKO during the month.

Figure-6 gives a comparison of SKO sales in PDS and Non-PDS since April 2020.

**Figure-6: Month-wise PDS & Non PDS SKO consumption in share (%) since April 2020**

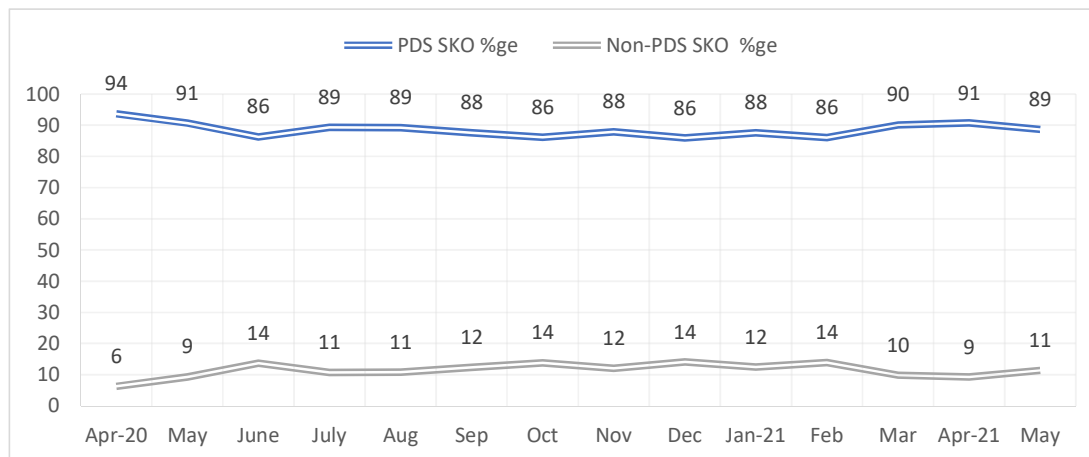
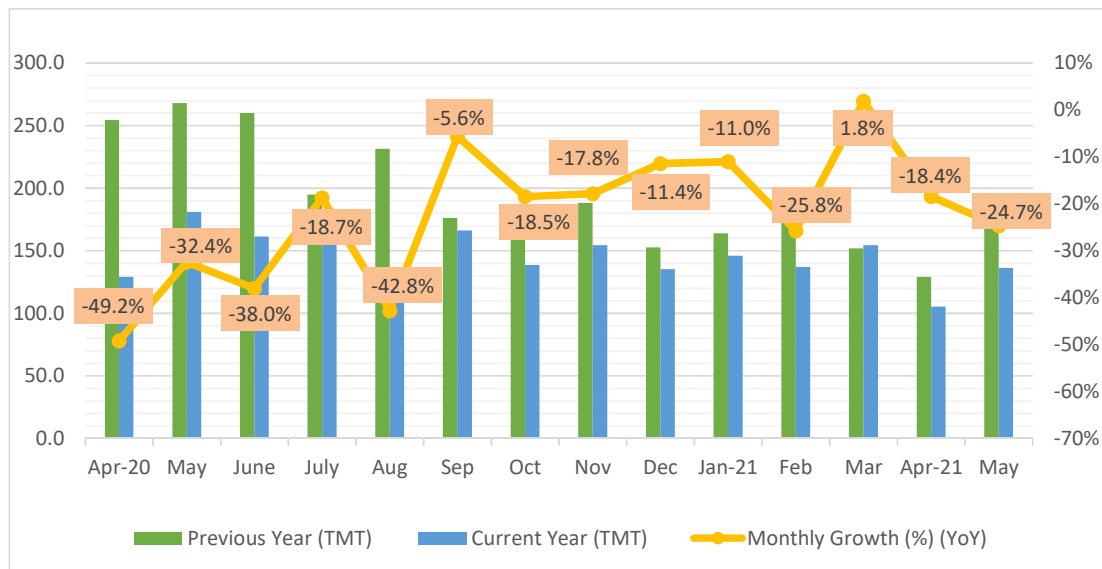


Figure-7 gives the month wise Kerosene consumption and growth since April 2020.

**Figure-7: Month-wise Kerosene consumption (TMT) and growth (%) since April 2020**

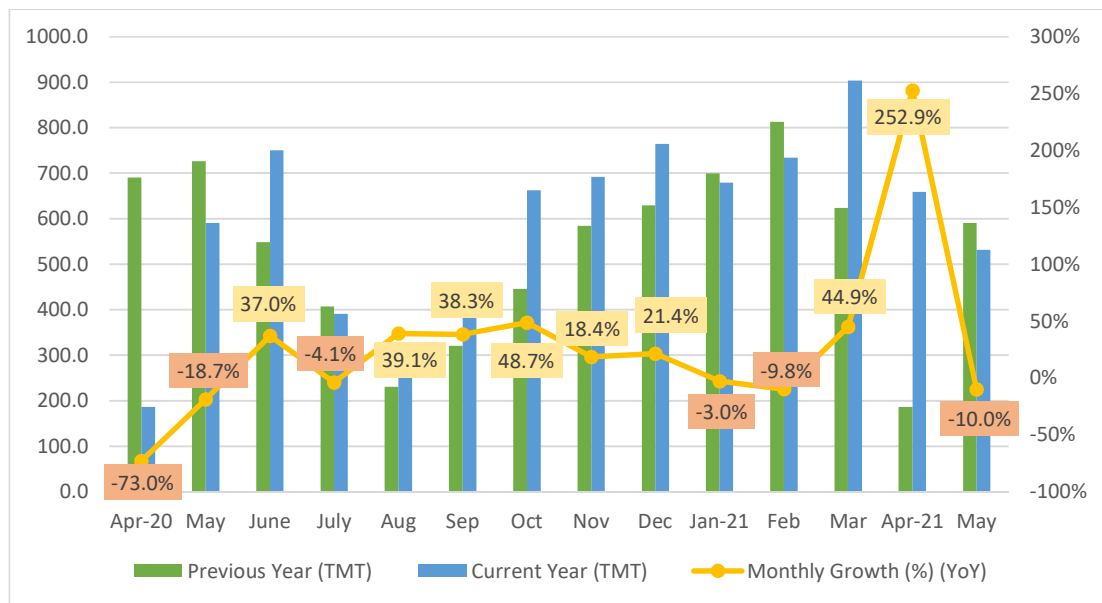


**Bitumen:**

Bitumen consumption during May 2021 with a volume of 0.5 MMT recovered to 90.0% of volume of 0.6 MMT in the month of May 2020. The pandemic affected the pace of road construction activities with many projects operating with restricted manpower.

Figure-8 gives the month wise bitumen consumption and growth since April 2020.

**Figure-8: Month-wise Bitumen consumption (TMT) and growth (%) since April 2020**



### **LPG:**

Total LPG consumption recorded a de-growth of -5.5% during May 2021 and a cumulative de-growth of -2.8% during the period April - May 2021. Last year during May 2020, a growth of 11.7% was observed and the cumulative growth during April - May 2020 was 11.4%. During May 2021, out of the five regions, Northern region had the highest share in total PSU LPG sales of 31.1% followed by Southern region at 28.2%, Western region at 20.2%, Eastern region at 17.8% and North Eastern region at 2.7%.

**PSU LPG Packed Domestic** category recorded a de-growth of -6.5% during May 2021 and a cumulative de-growth of -6.8% during April - May 2021. Last year during May 2020, a growth of 21.4% was observed and the cumulative growth during April - May 2020 was 23.2%. During April - May 2021, around 8.0 lakh new connections and 6.9 lakh DBCs were released. A total of 8.0 crore BPL households have been covered under PMUY till 31.5.2021 since inception of the scheme. During May 2021, the region-wise share of LPG Packed Domestic consumption was highest in Northern region (31.7%) followed by Southern region (27.7%), Western region (19.5%), Eastern region (18.3%) and North-Eastern region (2.8%). During May 2021, the five states with the highest LPG-Packed domestic sales share were Uttar Pradesh (15.5%), Maharashtra (10.2%), Tamil Nadu (8.7%) West Bengal (7.2%), and Bihar (7.1%). During May 2021, percentage share of LPG-Packed Domestic was 94.4% of total PSU LPG sales whereas it was 94.9% in May 2020.

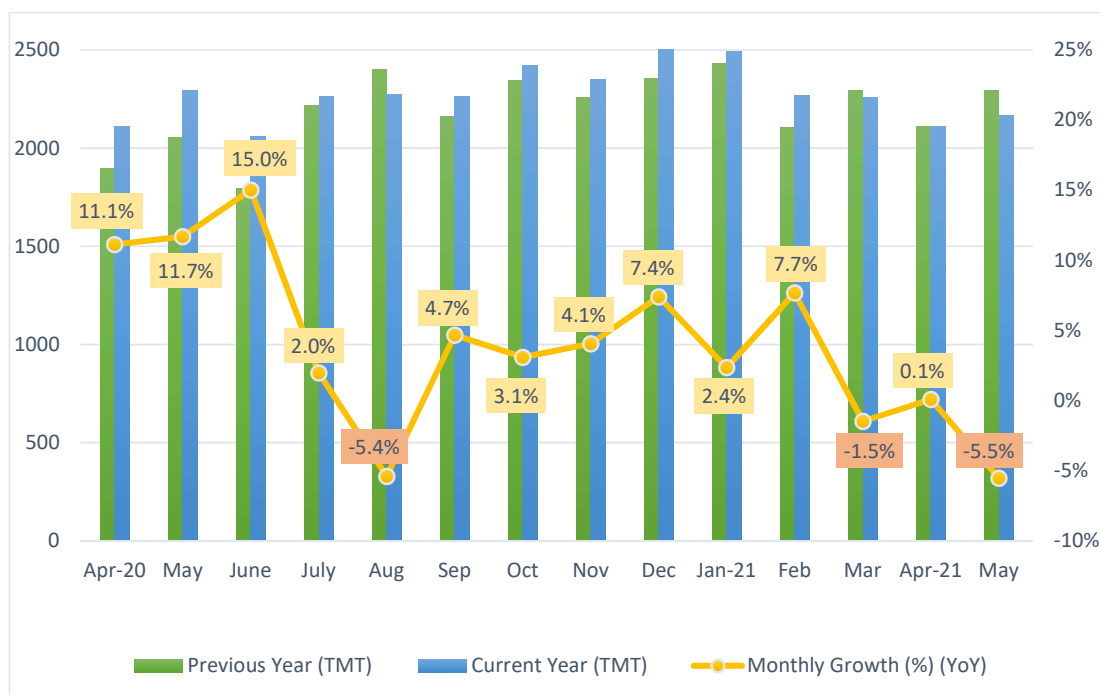
**PSU LPG Packed Non-Domestic** category recorded a de-growth of -0.5% in May 2021 and a cumulative growth of 90.3% during April - May 2021. Last year during May 2020, a de-growth of -53.4% was observed and the cumulative de-growth during April - May 2020 was -68.1%. Share of LPG Packed Non-Domestic in total PSU LPG Sales has increased to 4.3% in May 2021 from 4.1% in May 2020. Region-wise share of LPG Packed Non-Domestic consumption was highest in Southern region (36.1%) followed by Western region (32.4%), Northern region (23.1%), Eastern region (7.4%) and North-Eastern region (1.0%) during May 2021.

**PSU Bulk LPG** category registered a growth of 21.4% during May 2021 and a cumulative growth of 98.6% during April - May 2021. Last year in the month of May 2020, there was a de-growth of -17.0% while for the period April - May 2020, a de-growth of -45.1% was witnessed. Percentage share of Bulk LPG in total PSU LPG sales was 1.0% during May 2021 whereas it was 0.8% in May 2020.

**PSU Auto LPG** category registered a de-growth of -12.0% in May 2021 and a cumulative growth of 139.4% during April - May 2021. The sales volume decrease was about 0.6 TMT in May 2021 as compared to May 2020. Last year in the month of May 2020 a de-growth of -64.0% was observed while there was a cumulative de-growth of -79.6% during April - May 2020. During May 2021, the percentage share of Auto LPG was 0.2% of total PSU LPG sales which is the same as in May 2020.

Figure-9 gives the month-wise LPG consumption and growth since April 2020.

**Figure-9: Month-wise LPG consumption (TMT) and growth (%) since April 2020**



### Naphtha:

Naphtha consumption during the month of May 2021 with a volume of 1.2 MMT registered a growth of 25.7% as compared to the volume of 1.0 MMT in May 2020. Petrochemical industries remain the main consumers of naphtha. Out of the total naphtha consumption of 1247 TMT during the month, petrochemical sector had consumed 1022 TMT with a growth of 198 TMT.

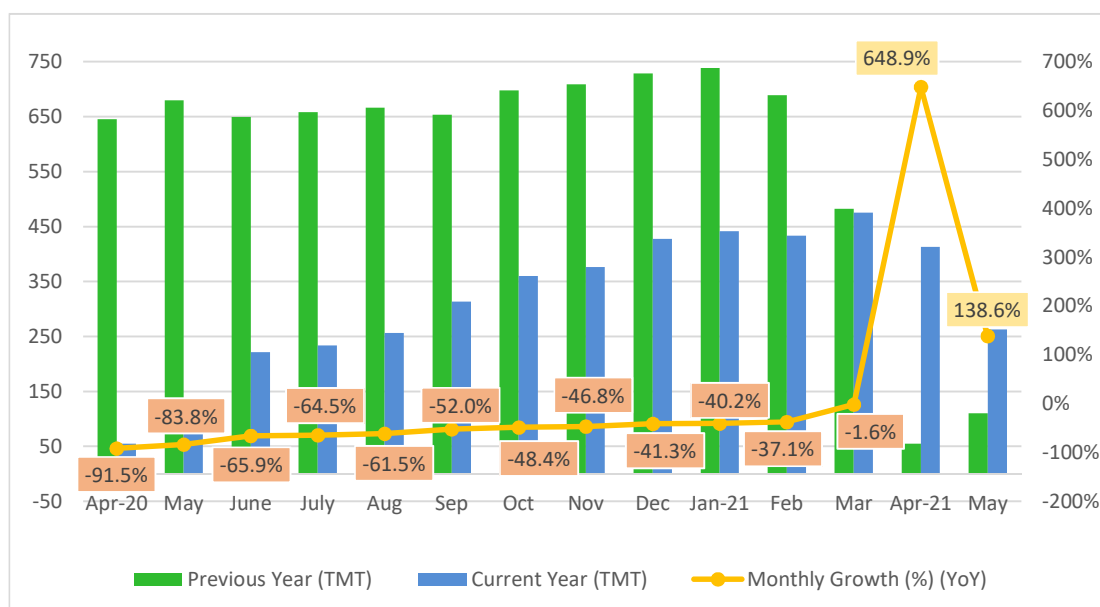
### ATF:

ATF consumption during May 2021 registered a growth of 138.6% over the volume of May 2020 due to low base in the previous year. The second wave of the pandemic has made the domestic traveller cautious to undertake any discretionary travel, while international travel remains restricted.

Passengers carried by domestic airlines during the month of May 2021 stood at 21.5 lakhs as against 2.8 lakhs during May 2020.

Figure-10 gives the month-wise ATF consumption and growth since April 2020.

**Figure-10: Month-wise ATF consumption (TMT) and growth (%) since April 2020**



### **Furnace oil & Low sulphur heavy stock (FO/LSHS):**

FO/LSHS consumption during the month of May 2021 recorded a growth of 0.2% over volume in May 2020. Consumption of FO/LSHS is largely driven by manufacturing and other miscellaneous sector in addition to shipping, power, road transport, agriculture, mining and others. Manufacturing consumed 162 TMT, miscellaneous 167 TMT and shipping 76 TMT out of the total consumption of 470 TMT of FO/LSHS in the month of May 2021.

### **Petcoke:**

Petcoke consumption during the month of May 2021 with a volume of 1.6 MMT recovered to 62.0% of volume of 2.5 MMT in the month of May 2020. Directorate General of Foreign Trade (DGFT) under Ministry of Commerce and Industry has banned import of petcoke for use as fuel but has allowed its import only for use as feedstock in some select industries such as cement, lime kiln, calcium carbide and gasification industries. Manufacturing sector consumed 398 TMT and miscellaneous industrial uses consumed 1019 TMT out of total 1552 TMT of petcoke consumed in the month of May 2021.

### **LDO:**

LDO is extensively used in various types of furnaces. LDO consumption recorded a growth of 9.0% during May 2021 as compared to May 2020. Consumption in power generation 20 TMT and manufacturing 21 TMT were the major sectors contributing to the total consumption of 77 TMT LDO during the month.

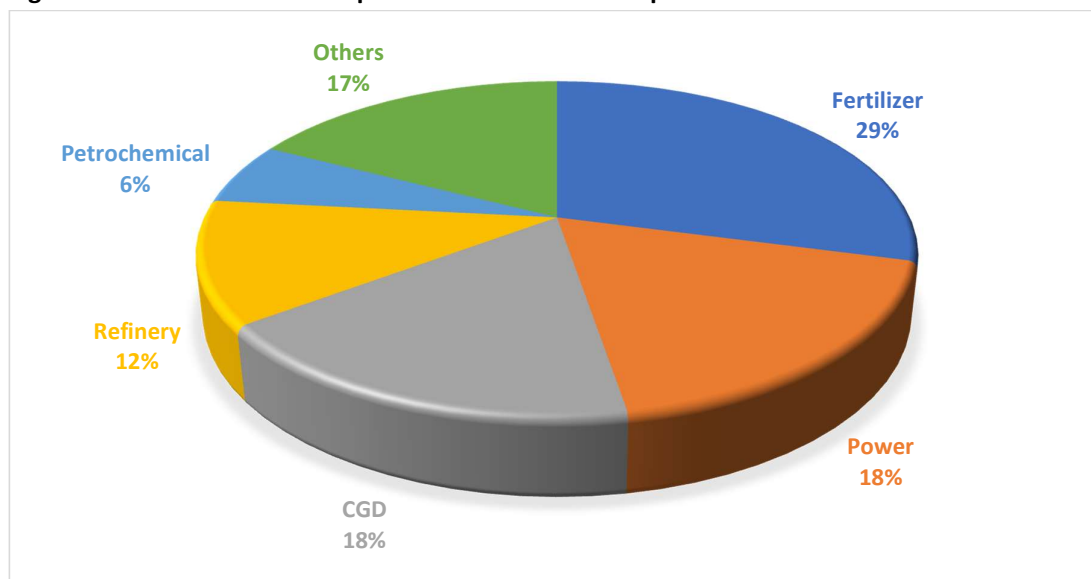
### Natural Gas:

Natural Gas is used as a feedstock in several industries like fertilizers, plastics and other commercially important organic chemicals and also used as a fuel for electricity generation, heating purpose in industrial and commercial units. Natural gas is also used for cooking in domestic households and as a transportation fuel for vehicles. Consumption of Natural Gas with a volume of 5.2 BCM during the month of May 2021 recorded a growth of 4.0% over the volume of 5.0 BCM in the month of May 2020.

Approximate sector wise consumption of Natural gas for the month of April 2021 were fertilizer (29%), power (18%), City Gas Distribution (CGD) (17%), refinery (12%), petrochemicals (6%) and others (17%).

Figure-11 gives the sector wise consumption of Natural Gas for April 2021.

**Figure-11: Sector wise consumption of Natural Gas for April 2021**



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## Industry Consumption Trend Analysis 2021-22 (Provisional)

('000 MT)

Product	May			April - May		
	2020-21	2021-22	Growth (%)	2020-21	2021-22	Growth (%)
<b>(A) Sensitive Products</b>						
LPG	2294	2168	-5.5	4406	4281	-2.8
SKO	181	136	-24.7	310	242	-22.1
<b>Sub Total</b>	<b>2475</b>	<b>2304</b>	<b>-6.9</b>	<b>4716</b>	<b>4523</b>	<b>-4.1</b>
<b>(B) Major Decontrolled Product</b>						
HSD	5493	5535	0.8	8746	12217	39.7
MS	1770	1990	12.5	2742	4376	59.6
Naphtha	991	1247	25.7	1783	2520	41.4
ATF	110	263	138.6	166	677	308.6
Bitumen	590	532	-10.0	777	1190	53.2
FO/LSHS	469	470	0.2	762	1013	32.9
Lubes+Greases	152	255	67.3	325	513	58.1
LDO	71	77	9.0	99	174	76.4
<b>Sub Total</b>	<b>9647</b>	<b>10369</b>	<b>7.5</b>	<b>15398</b>	<b>22681</b>	<b>47.3</b>
<b>Sub – Total (A + B)</b>	<b>12122</b>	<b>12673</b>	<b>4.5</b>	<b>20115</b>	<b>27204</b>	<b>35.2</b>
<b>(C) Other Minor Decontrolled Products</b>						
Pet.Coke	2502	1552	-38.0	3277	3176	-3.1
Others*	716	880	23.1	1317	1756	33.3
<b>Sub Total</b>	<b>3217</b>	<b>2433</b>	<b>-24.4</b>	<b>4595</b>	<b>4932</b>	<b>7.3</b>
<b>Total</b>	<b>15340</b>	<b>15106</b>	<b>-1.5</b>	<b>24709</b>	<b>32136</b>	<b>30.1</b>

\*Others include sulphur, propylene, propane, reformat, butane, MTO (Mineral Turpentine oil) etc