

# Industry consumption Report

---

NOVEMBER 2020



**Petroleum Planning & Analysis Cell**  
Ministry of Petroleum & Natural Gas, Government of India



## Contents

<b>Highlights .....</b>	<b>3</b>
<b>Consumption .....</b>	<b>4</b>
<b>All Products: .....</b>	<b>4</b>
<b>Petrol/Motor Spirit (MS):.....</b>	<b>5</b>
<b>Other Factors impacting consumption of MS: .....</b>	<b>6</b>
<b>High Speed Diesel (HSD): .....</b>	<b>7</b>
<b>Other Factors impacting consumption of HSD:.....</b>	<b>9</b>
<b>Kerosene:.....</b>	<b>11</b>
<b>Bitumen: .....</b>	<b>12</b>
<b>LPG: .....</b>	<b>12</b>
<b>Naphtha: .....</b>	<b>14</b>
<b>ATF: .....</b>	<b>14</b>
<b>Furnace oil &amp; Low sulphur heavy stock (FO/LSHS): .....</b>	<b>15</b>
<b>Petcoke: .....</b>	<b>15</b>
<b>LDO: .....</b>	<b>15</b>
<b>Natural Gas:.....</b>	<b>15</b>

## Highlights

The month of November 2020 saw a surge in economic activities at the onset of festive and marriage season. Government of India rolled out 12 schemes to boost economy by releasing stimulus package under “Atmanirbhar Bharat 3.0”. All economic activities have been moving towards normalcy with compliance to social distancing, masks and other COVID 19 protocols.

**The summary of product-wise POL consumption pattern in the month of November 2020 is as follows.**

1. The consumption of petroleum products in November 2020 with a volume of 17.8 MMT recovered to 96.3% of the volume of 18.5 MMT in November 2019. Petroleum products consumption during the period April to November 2020 recovered 85.6% of the consumption during the same period previous year. The products which registered a growth in the month of November 2020 were LPG 4.1%, Petrol (MS) 5.1%, Naphtha 7.7%, Bitumen 18.4%, Furnace Oil & Low Sulphur Heavy Stock (FO/LSHS) 8.9%, Light Diesel Oil (LDO) 33.3% and products categorised under “Others” category 2.5%. The products which registered de-growth were Diesel (HSD) -6.9%, Aviation Turbine Fuel (ATF) -47.5%, Lubes & Greases -6.0% and Pet coke -16.2%. Kerosene (SKO) recorded a de-growth of -17.8% during the current month as compared to November 2019.
2. MS (Petrol) consumption during the month of November 2020 recorded a volume of 2.7 MMT with a growth of 5.1% over the volume of 2.5 MMT in the month of November 2019. MS consumption for the period of April - November 2020 recovered to 85.6% of the volume during the same period previous year. Festive season, advent of marriage season, robust demand in rural/small towns and preference for personal mobility have been the prime movers of MS demand during the month of November 2020.
3. HSD (Diesel) consumption during the month of November 2020 with a volume of 7.0 MMT recovered to 93.1% of the volume of 7.6 MMT in November 2019. HSD consumption for the period of April - November 2020 recovered to 81.0% of the volume during the same period previous year. Power deficit increased to -0.5% in November 2020 as compared to -0.4% in November 2019. Rainfall during the month was 4% below the normal. A growth of 2.8% was recorded in port traffic during November 2020 as compared to November 2019.
4. LPG consumption registered a growth of 4.1% during the month of November 2020 as compared to November 2019 mainly due to festive season. LPG consumption for the period of April - November 2020 registered a growth of 5.3% as compared to the same period in the previous year.
5. ATF consumption during November 2020 registered a growth of 4.8% as compared to October 2020 indicating increased mobility and air traffic on month to month basis. However as compared to same month last year, a de-growth of -47.5% was recorded in the month of November 2020.
6. Bitumen consumption during November 2020 recorded a growth of 18.4% as compared to November 2019, with both new road projects and repairs of existing roads gaining momentum with availability of manpower.

7. Kerosene (SKO) consumption registered a de-growth of -17.8% in November 2020 as compared to November 2019 mainly due to few States & all Union Territories (except UTs of Jammu & Kashmir and Ladakh) going Kerosene free. Also the states of Rajasthan, Uttar Pradesh & Uttarakhand saw nil upliftment of PDS SKO during the month of November 2020.

This report analyses the trend of consumption of petroleum products in the country during the month of November 2020. Data on product-wise monthly consumption of petroleum products for September 2020 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 November 2020 is given in Table-1.

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

Product Type	Share %	November-2019	November-2020	Growth (%)	Products included
Sensitive Products	14.1	2449	2507	2.4	SKO & LPG
Major Decontrolled Products	72.9	13488	13000	-3.6	HSD, MS, Naphtha, Lubes, LDO, FO/LSHS, Bitumen & ATF
Minor Decontrolled Products	13.0	2575	2326	-9.7	Petcoke & other minor products
Total	100	18513	17834	-3.7	

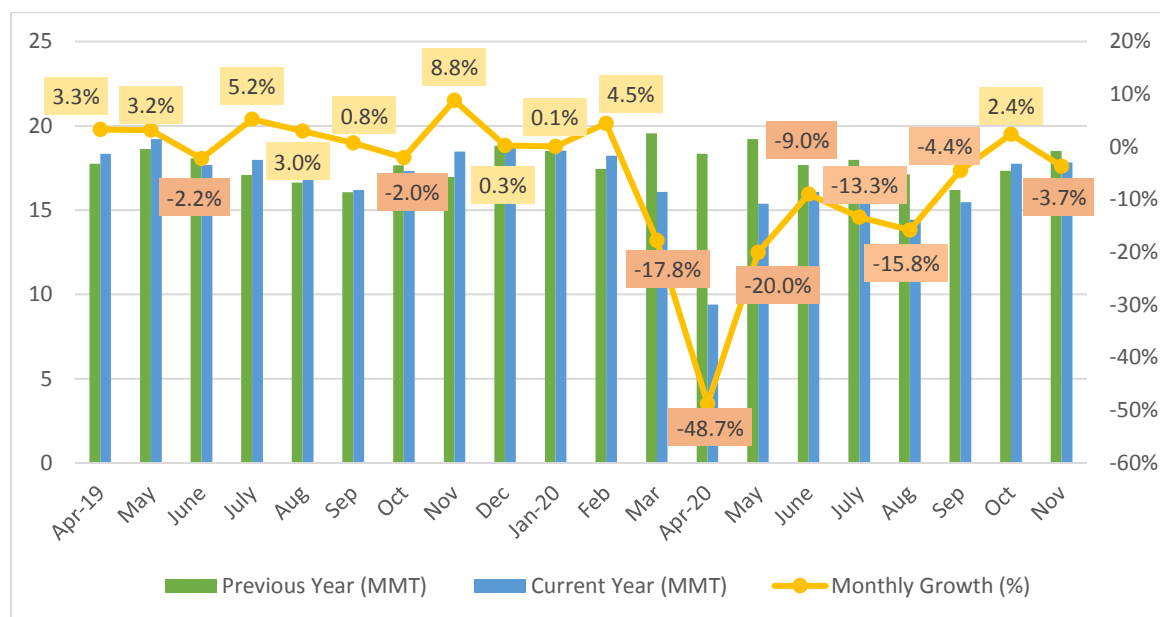
### All Products:

Overall consumption of all petroleum products in November 2020 with a volume of 17.8 MMT recovered to 96% of the volume of 18.5 MMT in November 2019. Petroleum products consumption during the period April to November 2020 recovered 86% of the consumption during the same period previous year. The month of November 2020 saw growth in consumption of LPG 4.1%, Petrol (MS) 5.1%, Naphtha 7.7%, Bitumen 18.4%, Furnace Oil & Low Sulphur Heavy Stock (FO/LSHS) 8.9%, Light Diesel Oil (LDO) 33.3% and products categorised under "Others" category 2.5% as compared to November 2019, while all other products recorded de-growth as compared to same period last year.

Although the total consumption dipped slightly in the month of November 2020 due to shift in festive season, Oct-Nov 2020 volume achieved 99.8% of the Oct-Nov 2019 volume.

Figure-1 gives a comparison of monthly POL consumption (MMT) and growth (%) since April 2019.

**Figure-1: Comparison of monthly POL consumption (MMT) and growth (%) since April 2019**



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 November 2020 are projected based on July 2019 to June 2020 actual data.

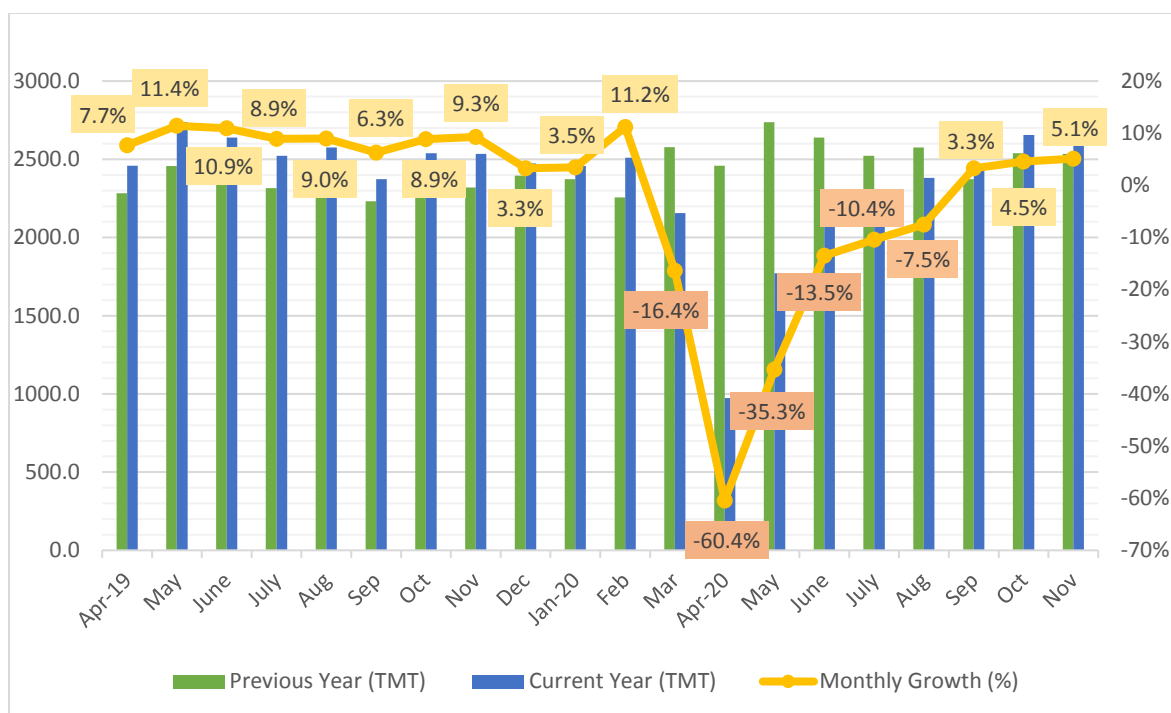
### Petrol/Motor Spirit (MS):

MS (Petrol) consumption during the month of November 2020 recorded a growth of 5.1% with a volume of 2.7 MMT as compared to 2.5 MMT in November 2019. On cumulative basis MS consumption recorded a volume of 17.4 MMT for the period April - November 2020 as compared to 20.4 MMT in the same period previous year and thus recovered 85.6% of its historical volume, especially due to following reasons:

- Festive & marriage season celebrations created a positive demand in consumption.
- Personal mobility still persists as a preferred mode of travel over public transport.
- Growth in sales of passenger vehicles & 2/3 wheelers at the back of fast recovering economy.
- Growth has been muted in traditionally tourism centric states/cities as discretionary travel remains affected due to precautionary measures taken in the pandemic.

Figure-2 gives month-wise MS consumption volume (TMT) and month-on-month growth (%) since April 2019.

**Figure-2: Month wise MS consumption (TMT) and growth (%) since April 2019**



### Other Factors impacting consumption of MS:

#### Passenger Vehicle Sales:

The passenger vehicle sales during the month of November 2020 with a sale of 2.6 Lac vehicles has clocked a growth of 4.6% over its historical sale of 2.5 Lac vehicles during the month of November 2019. The growth can be attributed to festive season, increased economic activities, strong rural demand and the need for personal mobility.

Passenger car recorded a minor de-growth of -2.8% while the Utility vehicles and van sales recorded growth of 17.2% and 8.2% respectively during the current month as compared to the same period previous year.

**Table-2: Passenger vehicle sales in the month of November 2020**

Vehicle Segment	November		
	2019-20	2020-21	Growth %age
Passenger Cars	154,223	149,949	-2.8
Utility Vehicles	88,361	103,525	17.2
Vans	10,555	11,424	8.2
Total PV	253,139	264,898	4.6



### Two Wheeler Sales:

The two-wheeler sales during the month of November 2020 with a sale of 16.0 Lac vehicles has clocked a growth of 13.4% over its historical sale of 14.1 Lac vehicles during the month of November 2019. The 2/3 wheelers sales that has marked three months of growth contributed to consolidating petrol sales.

Scooters, motor cycle and moped sales registered a growth of 9.3%, 14.9% and 22.9% respectively during the current month as compared to the same period previous year.

**Table-3: Two Wheelers vehicle sales in the month of November 2020**

Vehicle Segment	November		
	2019-20	2020-21	Growth %ge
Scooters/Scooterette	459,851	502,561	9.3
Motor Cycles	893,538	1,026,705	14.9
Mopeds	57,550	70,750	22.9
Electric Two Wheelers	-	363	-
<b>Total 2 Wheelers</b>	<b>1,410,939</b>	<b>1,600,379</b>	<b>13.4</b>

### High Speed Diesel (HSD):

HSD (Diesel) consumption during the month of November 2020 with a volume of 7.0 MMT recovered to 93% of the volume of 7.6 MMT in November 2019. HSD consumption for the period of April - November 2020 recovered to 81% of the volume during the same period previous year.

Due to shift in festive season, the sales of diesel dropped in the month of November 2020 after registering a positive growth in October 2020. However diesel consumption in Oct-Nov 2020 achieved 99.8% of its Oct-Nov 2019 volume.

Factors affecting diesel consumption during the current month:

- Festive season had an adverse effect on diesel sales as the Truck/Tanker crew goes on leave during the period.
- Rural and semi urban market remained the main propeller of consumption due to it agri based economy.
- Farmer's agitation adversely affected rail/road movement to some extent.
- Cyclone Nivar affected consumption adversely in the state of Tamil Nadu during the month.
- Consumption of diesel during the month in manufacturing activities reached to 86% of its level of November 2019, while on cumulative basis the consumption in April-November 2020 in the manufacturing sector has recovered to 66% of volume in April-November 2019.

Figure-3 gives month-wise HSD consumption volume (TMT) and month-on-month growth (%) since April 2019.

**Figure-3: Month-wise HSD consumption (TMT) and growth (%) since April 2019**

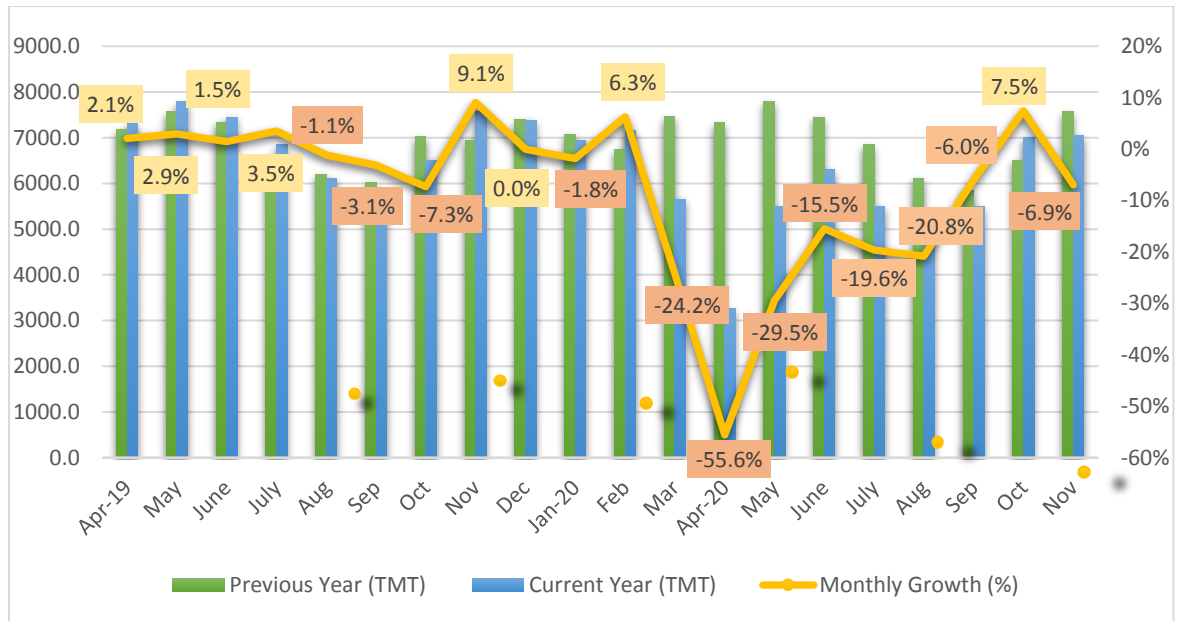
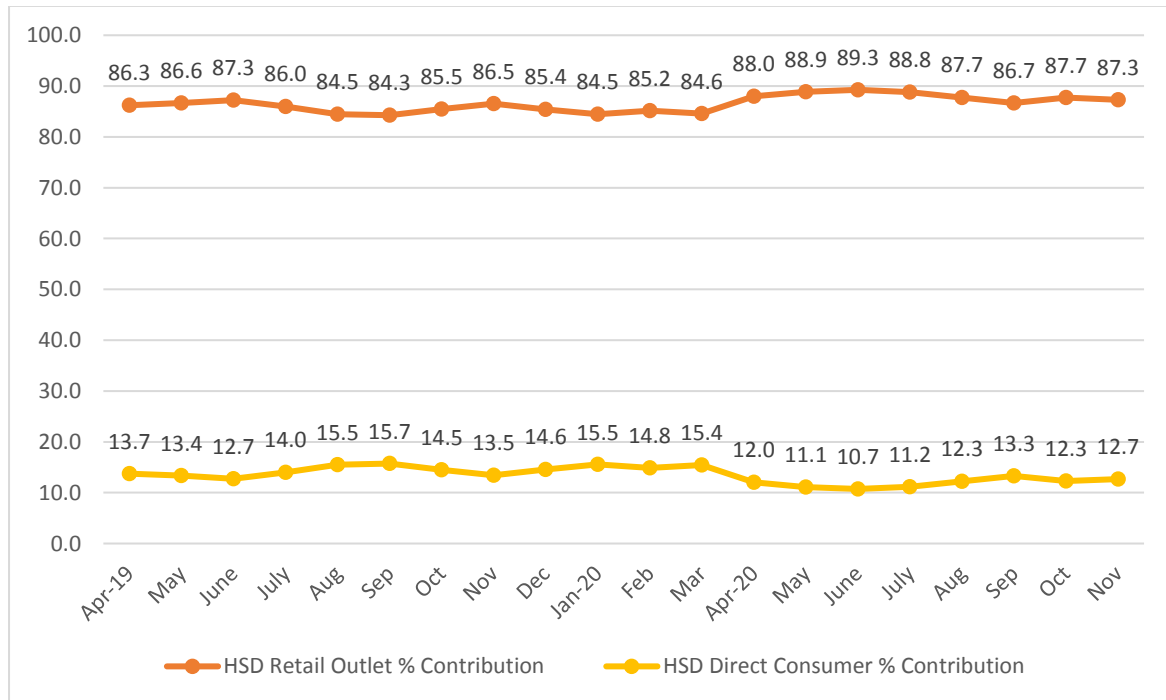


Figure-4 gives a comparison of month-wise percentage of HSD consumption through retail outlets and direct consumer business since April 2019.

**Figure-4: Share of Retail and Direct business (%) in Diesel consumption month-wise since April 2019**





## Other Factors impacting consumption of HSD:

### *Commercial Vehicle Sale:*

Commercial vehicle sales as reported by individual companies is still reeling in single digit negative territory in the month of November 2020. Major automobile companies have reported a sales ranging from 5% growth to -5% de-growth.

### *Tractor Sale:*

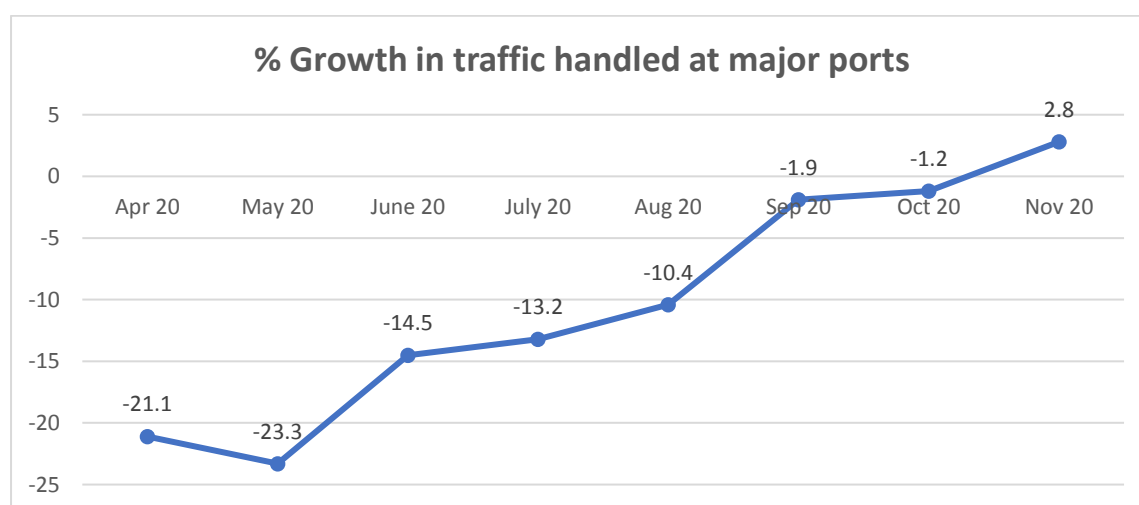
Tractor sales as reported by major individual companies have shown a double digit growth on account of strong rural economy and robust agricultural output.

### *Port Traffic:*

The traffic handled at major ports in India recorded a growth of 2.8% and together handled 59.5 MMT of cargo during November 2020 as against 57.9 MMT handled during the corresponding period of the previous year. This is the first month since February 2020 that the traffic handled at major ports in India has shown a positive growth indicating green shoots of economic recovery.

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 November 2020 in the port of Kolkata & Haldia 23.8%, Paradip 17.0%, Visakhapatnam 9.4%, Cochin 16.1%, Mormugao (Goa) 23.4% and JNPT 9.0%.

During the period April - November 2020, growth was registered in iron ore 31.0%, fertilizer finished 7.5% and fertilizer raw 15.1% while de-growth was observed in Petroleum Oil & lubricants (POL) -18.5%, other liquids -10.0%, thermal & steam coal -17.2%, coking & others coal -14.7%, containers -11.8% and miscellaneous cargo -4.8%. Commodity-wise, the percentage share of POL was maximum i.e. 31.1%, followed by container 20.8%, thermal & steam coal 11.6%, other miscellaneous cargo 10.8%, iron ore & pellets 10.7%, coking & other coal 7.6%, other liquids 4.3%, fertilizer finished 1.8% and raw fertilizer 1.2%.

**Table-4: Traffic handled at major ports in November 2020**

Ports	November 2019	November 2020	Growth (%)
Kolkata & Haldia	4,813	5,958	23.8
Paradip	8,786	10,277	17.0
Visakhapatnam	5,873	6,427	9.4
Kamarajar (Ennore)	2,518	1,936	-23.1
Chennai	3,552	3,415	-3.9
V.O. Chidambaranar	2,800	2,235	-20.2
Cochin	2,647	3,073	16.1
New Mangalore	3,592	2,856	-20.5
Mormugao	1,647	2,033	23.4
Mumbai	5,287	4,647	-12.1
JNPT	5,223	5,695	9.0
Deendayal	11,115	10,934	-1.6
<b>Total:</b>	<b>57,853</b>	<b>59,486</b>	<b>2.8</b>

Source: ipa.nic.in

#### *Power situation:*

The position of power supply for the month of November 2020 is given in Table-3. As per the data reported, power deficit position has increased to -0.5% in the month of November 2020 as compared to -0.4% in the month of November 2019. The deficit was mainly in the UT of J&K and Ladakh. Also the requirement of power in November 2020 at 97,912 MU has recorded a growth of 3.5% over requirement of power at 94,602 MU in the month of November 2019.

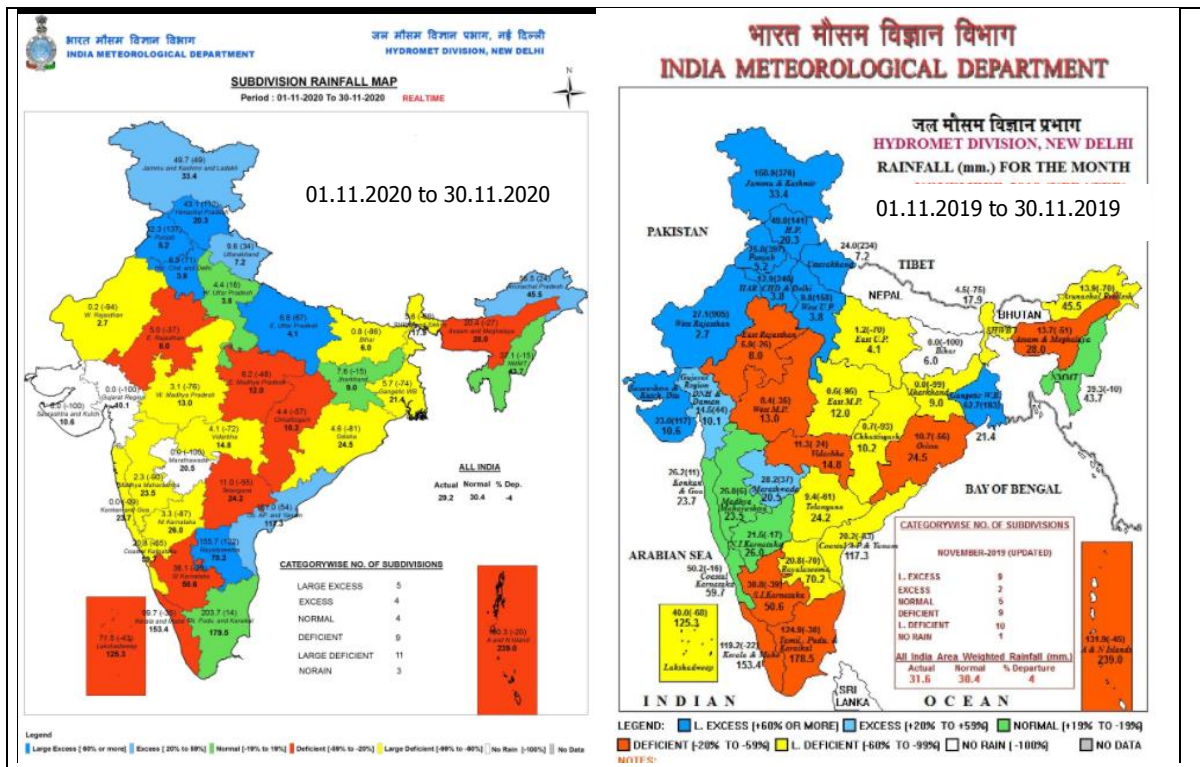
**Table-5: Power supplied and deficit: Region-wise position for November 2020**

Region	November 2020		
	Requirement	Supplied (MU)	Deficit %
North	27,004	26,544	-1.7%
West	34,297	34,297	0.0%
South	24,871	24,870	0.0%
East	10,431	10,431	0.0%
North-East	1,309	1290	-1.4%
<b>Total</b>	<b>97,912</b>	<b>97,433</b>	<b>-0.5%</b>

Source: Central Electricity Authority (CEA)

#### *Seasonal rainfall scenario:*

The rainfall in the country during November 2020 was almost 4% below normal precipitation. A rainfall of 29.2 mm was recorded in the month of November 2020 as against a normal reading of 30.4 mm. Out of total 36 sub divisions, 13 divisions received from normal to large excess rainfall whereas 23 divisions received deficient to no rainfall.



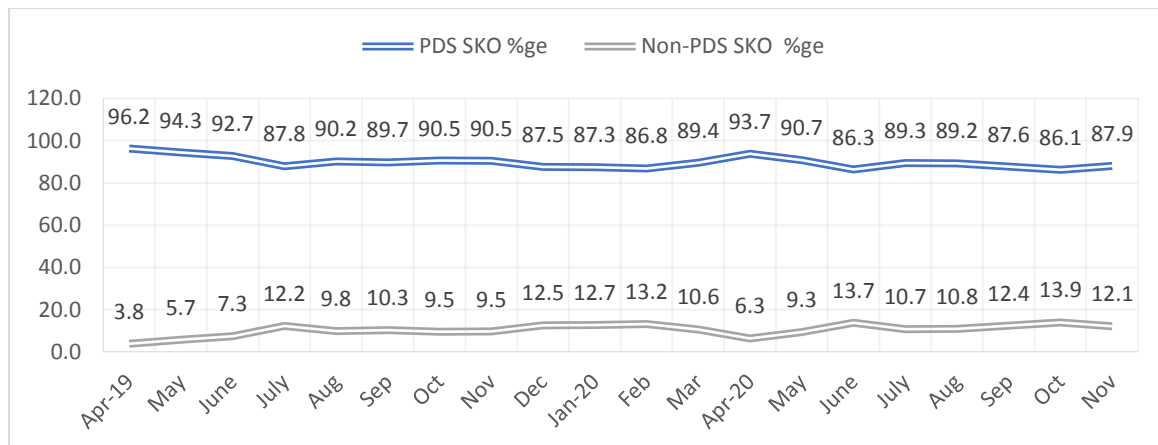
Source: India Meteorological Department (IMD)

### Kerosene:

Kerosene consumption registered a de-growth of -17.8% during the month of November 2020 as compared to November 2019. Consumption for the period of April - November 2020 has shown a de-growth of -29.9% as compared to corresponding period of the previous year. All UTs except the UT of J&K and Ladakh have been declared kerosene free. The states of Andhra Pradesh, Delhi, Haryana and Punjab have been declared kerosene free. States like Gujarat, Bihar, Uttar Pradesh and Maharashtra have also voluntarily surrendered a certain quantity of PDS SKO allocation. The states of Rajasthan, Uttar Pradesh & Uttarakhand saw nil upliftment of PDS SKO during the month.

Figure-5 gives a comparison of SKO sales in PDS system vis-à-vis Non-PDS system since April 2019.

Figure-5: Month-wise PDS & Non PDS SKO consumption in share (%) since April 2019

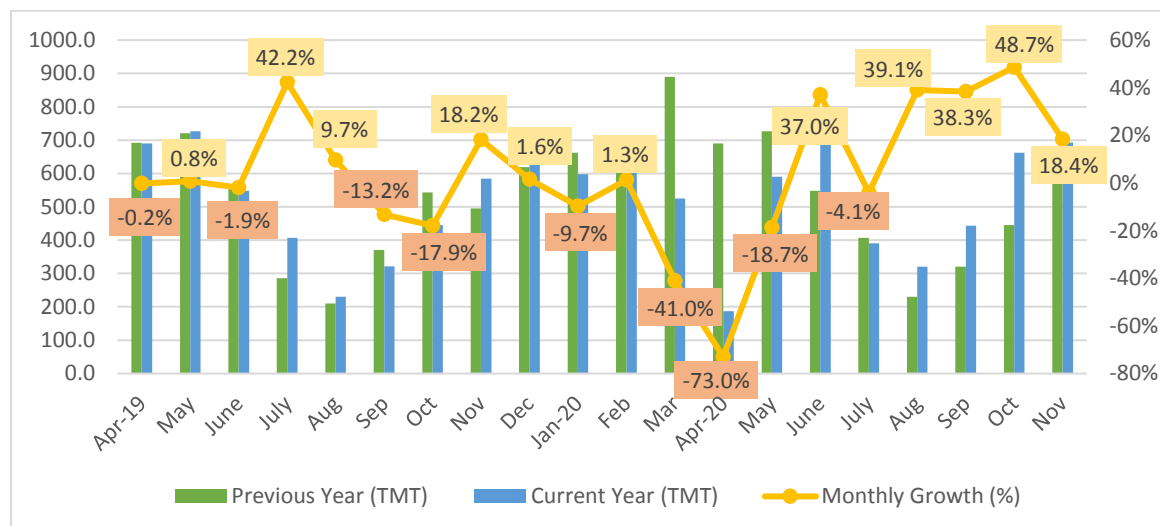


## Bitumen:

Bitumen consumption in November 2020 registered a growth of 18.4% as compared to November 2019 on account of both new projects and repair works at existing patches. Also growth for the period of April – November 2020 has shown a growth of 2.1% as compared to the same period in the previous year.

Figure-6 gives the month wise bitumen consumption and growth since April 2019.

**Figure-6: Month-wise Bitumen consumption (TMT) and growth (%) since April 2019**



## LPG:

Total LPG consumption recorded a growth of 4.1% during November 2020 and a cumulative growth of 5.3% during the period April - November 2020. Last year during November 2019, a growth of 22.8% was observed and the cumulative growth during April - November 2019 was 7.4%. During November 2020, out of the five regions, Northern region had the highest share in total PSU LPG sales of 32.7% followed by Southern region at 27.3%, Western region at 21.5%, Eastern region at 16.0% and North Eastern region at 2.5%.

**PSU LPG Packed Domestic** category recorded a growth of 6.0% during November 2020 and a cumulative growth of 11.4% during April - November 2020. Last year during November 2019, a growth of 22.5% was observed and the cumulative growth during April - November 2019 was 7.5%. During April - November 2020, around 60.4 lakh new connections and 44.1 lakh DBCs were released. A total of 8.01 crore BPL households have been covered under PMUY till 30.11.2020 since inception of the scheme. During November 2020, the region-wise share of LPG Packed Domestic consumption was highest in Northern region (33.7%) followed by Southern region (25.8%), Western region (20.8%), Eastern region (16.9%) and North-Eastern region (2.7%). During November 2020, the five states with the highest LPG-Packed domestic sales share were Uttar Pradesh (14.8%), Maharashtra (10.9%), Tamil Nadu (7.8%), West Bengal (7.1%) and Karnataka (6.1%). During November 2020, percentage share of LPG-Packed Domestic was 89.5% of total PSU LPG sales whereas it was 87.9% in November 2019.

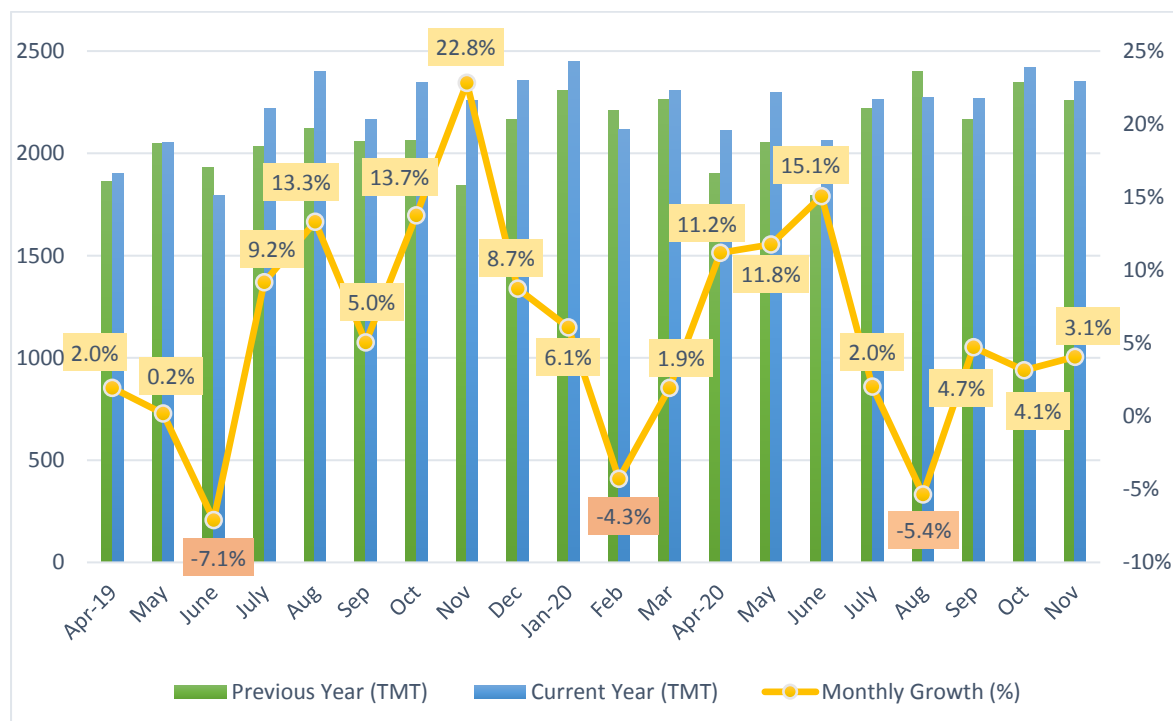
**PSU LPG Packed Non-Domestic** category recorded a de-growth of -15.0% in November 2020 and a cumulative de-growth of -39.5% during April - November 2020. Last year during November 2019, a growth of 41.3% was observed and the cumulative growth during April - November 2019 was 15.4%. Share of LPG Packed Non-Domestic in total PSU LPG Sales has decreased to 8.6% in November 2020 from 10.5% in November 2019. Region-wise share of LPG Packed Non-Domestic consumption was highest in Southern region (37.3%) followed by Western region (28.3%), Northern region (26.6%), Eastern region (6.7%) and North-Eastern region (1.0%) during November 2020.

**PSU Bulk LPG** category registered a growth of 53.2% during November 2020 and a cumulative growth of 11.1% during April - November 2020. Last year in the month of November 2019, there was a growth of 5.6% while for the period April - November 2019, a de-growth of -12.3% was witnessed. Percentage share of Bulk LPG in total PSU LPG sales was 1.4% during November 2020 whereas it was 0.9% in November 2019.

**PSU Auto LPG** category registered a de-growth of -21.5% in November 2020 and a cumulative de-growth of -42.5% during April - November 2020. The sales volume decrease was about 3.3 TMT in November 2020 as compared to November 2019. Last year in the month of November 2019 a growth of 9.5% was observed while there was a cumulative de-growth of -2.7% during April - November 2019. During November 2020, the percentage share of Auto LPG was 0.5% of total PSU LPG sales whereas it was 0.7% in November 2019.

Figure-7 gives the month-wise LPG consumption and growth since April 2019.

**Figure-7: Month-wise LPG consumption (TMT) and growth (%) since April 2019**



## Naphtha:

Naphtha consumption recorded a growth of 7.7% in November 2020 as compared to November 2019. The period April - November 2020 saw a growth of 2.0% as compared to same period last year. Petrochemical industries remain the main consumers of naphtha in addition to minor consumers like fertilizer and power. The growth in Naphtha consumption during the month of November 2020 has been due to a major rise in consumption of Naphtha by other miscellaneous sectors and a minor rise in petrochemical sector. Out of the total naphtha consumption of 1345.0 TMT during the month, petrochemical sector had consumed 1009.5 TMT.

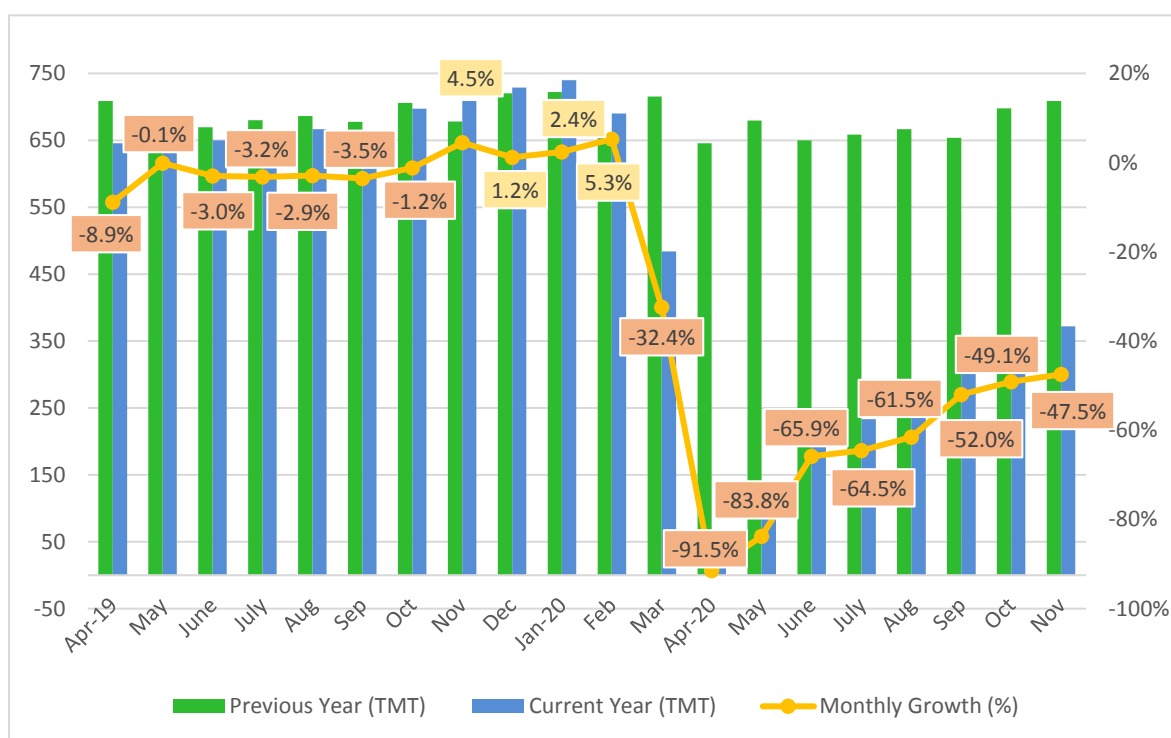
## ATF:

ATF consumption for the month of November 2020 has registered a growth of 4.8% as compared to October 2020 indicating increased mobility and air traffic on month to month basis. However, November 2020 recorded de-growth of -47.5% as compared to November 2019. International air traffic remains curtailed due to restricted movement as a precautionary measure by general public due to lockdowns imposed in certain countries in Europe and elsewhere. As per Platts report, India's flights were down by -39% in domestic sector and -62% in international sector in the month of November 2020.

Passengers carried by domestic airlines during the month of November 2020 stood at 63.5 lakhs as against 129.5 lakhs during November 2019. The total domestic passengers carried for the period of April - November 2020 stood at 227.7 lakhs against 957.0 lakhs during April – November 2019.

Figure-8 gives the month-wise ATF consumption and growth since April 2019.

**Figure-8: Month-wise ATF consumption (TMT) and growth (%) since April 2019**





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

FO/LSHS consumption during the month of November 2020 registered a growth of 8.9% as compared to November 2019. Consumption of FO/LSHS is largely driven by manufacturing and other miscellaneous sector in addition to shipping, power, iron & steel and others. FO/LSHS consumption saw a growth in shipping and other miscellaneous sectors during the month of November 2020. Shipping consumed 85.0 TMT, manufacturing 164.3 TMT and miscellaneous 184.6 TMT out of the total consumption of 501.5 TMT of FO/LSHS in the month of November 2020.

### **Petcoke:**

Petcoke consumption during the month of November 2020 reached 83.8% of volume in November 2019. 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.

### **LDO:**

LDO consumption recorded a growth of 33.3% during November 2020 as compared to November 2019. Consumption for the period of April - November 2020 has recorded a growth of 13.8% as compared to the same period previous year. LDO is extensively used in various types of furnaces. Consumption in power generation 14.7 TMT, civil engineering 7.7 TMT and Iron & Steel 6.4 TMT were the major sectors contributing to the total consumption of 67.4 TMT LDO during the month.

### **Natural Gas:**

Consumption of Natural Gas with a volume of 5.2 BCM during the month of November 2020 registered a growth of 2.0% on volume of 5.1 BCM in the month of November 2019. There has been a growth in consumption as the economic activities regain slow and steady growth. Also consumption during the period of April - November 2020 reached 94.6% of the volume in April - November 2019.

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. Approximate sector wise consumption of Natural gas during the month of October 2020 were fertilizer (31%), power (19%), City Gas Distribution (CGD) (18%), refinery (14%), petrochemicals (6%) and others (12%).

\*\*\*\*\*

Industry Consumption Trend Analysis 2020-21 (Provisional)						
('000 MT)						
Product	November			April-November		
	2019-20	2020-21	Growth (%)	2019-20	2020-21	Growth (%)
<b>(A) Sensitive Products</b>						
LPG	2260.7	2352.7	4.1	17141.3	18050.5	5.3
SKO	188.2	154.7	-17.8	1743.6	1222.2	-29.9
Sub Total	2449	2507	2.4	18885	19273	2.1
<b>(B) Major Decontrolled Product</b>						
HSD	7565.6	7042.2	-6.9	55436.5	44915.5	-19.0
MS	2534.7	2664.8	5.1	20379.4	17437.5	-14.4
Naphtha	1248.4	1345.0	7.7	9044.9	9223.3	2.0
ATF	708.7	372.0	-47.5	5359.3	1917.6	-64.2
Bitumen	584.8	692.5	18.4	3953.9	4037.7	2.1
FO/LSHS	460.5	501.5	8.9	4009.6	3824.1	-4.6
Lubes+Greases	335.1	315.0	-6.0	2555.2	2203.3	-13.8
LDO	50.6	67.4	33.3	421.6	479.6	13.8
Sub Total	13488	13000	-3.6	101160	84039	-16.9
Sub – Total (A + B)	15937	15508	-2.7	120045	103311	-13.9
<b>(C) Other Minor Decontrolled Products</b>						
Pet.Coke	1673.0	1401.6	-16.2	14659.6	11859.0	-19.1
Others*	902.2	924.4	2.5	7695.0	6776.2	-11.9
Sub Total	2575	2326	-9.7	22355	18635	-16.6
Total	18513	17834	-3.7	142400	121946	-14.4

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