

## ALL INDIA POWER DEMAND TOUCHES ALL TIME HIGH IN DECEMBER 2020

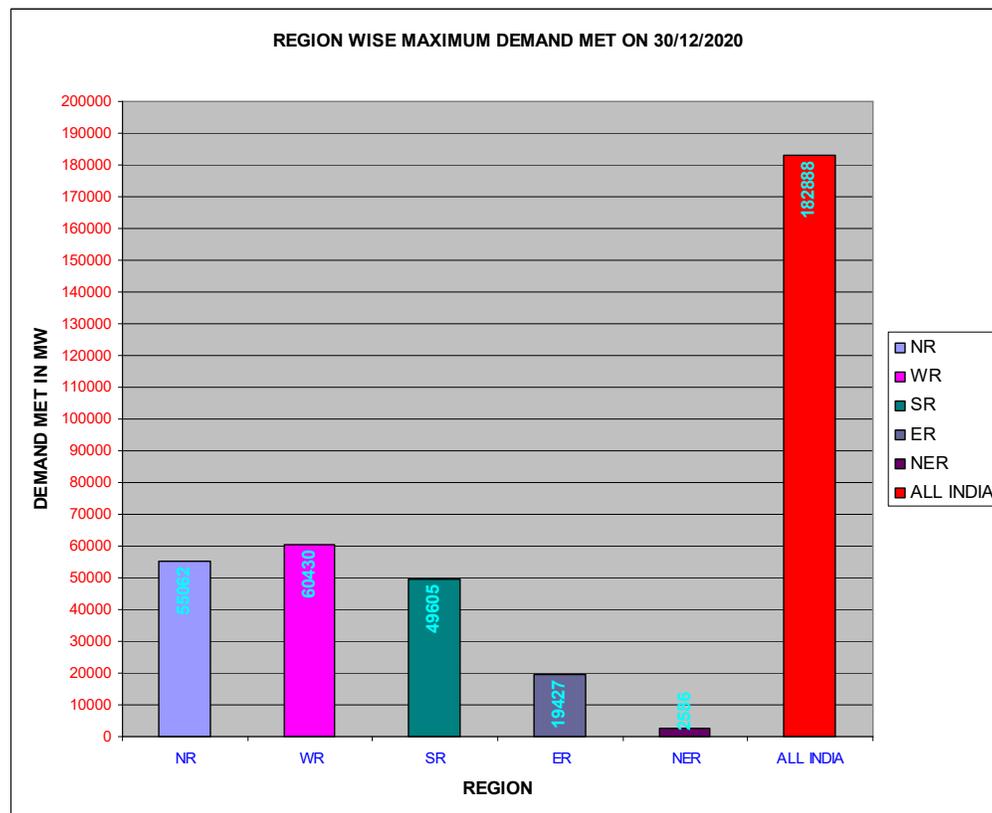
*Prepared by:*  
**K. Asokan, Director, InSDES, Shoranur**  
 &  
**P. Subhash, InSDES, Shoranur**

The All India Maximum Demand of Electricity crossed its earlier All Time Maximum Value on 30<sup>th</sup> December 2020 at 09:48 Hrs. The Maximum Demand of our country touched **182.888 GW** on that day which is **0.15%** higher than **182.610 GW** recorded on **30<sup>th</sup> May 2019 at 14:58 Hrs.**

Region wise Maximum Demand met on 30/12/2020 as per POSOCO daily report is as follows.

REGION WISE MAXIMUM DEMAND MET ON 30-12-2020						
REGION	NR	WR	SR	ER	NER	ALL INDIA
MD-MW	55062	60430	49605	19427	2586	182888
TIME	10:37	09:48	09:25	18:21	17:47	09:48

As seen from the table, when the All India demand is maximum at 09:48 Hrs, the Maximum Demand of Western Region recorded 60430 MW at the same instant. The other two main power consuming regions - Northern and Southern regions recorded 55062 MW and 49605 MW at 10:37 Hrs. and 09:25 Hrs



Source : InSDES compilation of Data available at [https://www. Posoco.in/Reports](https://www.Posoco.in/Reports)

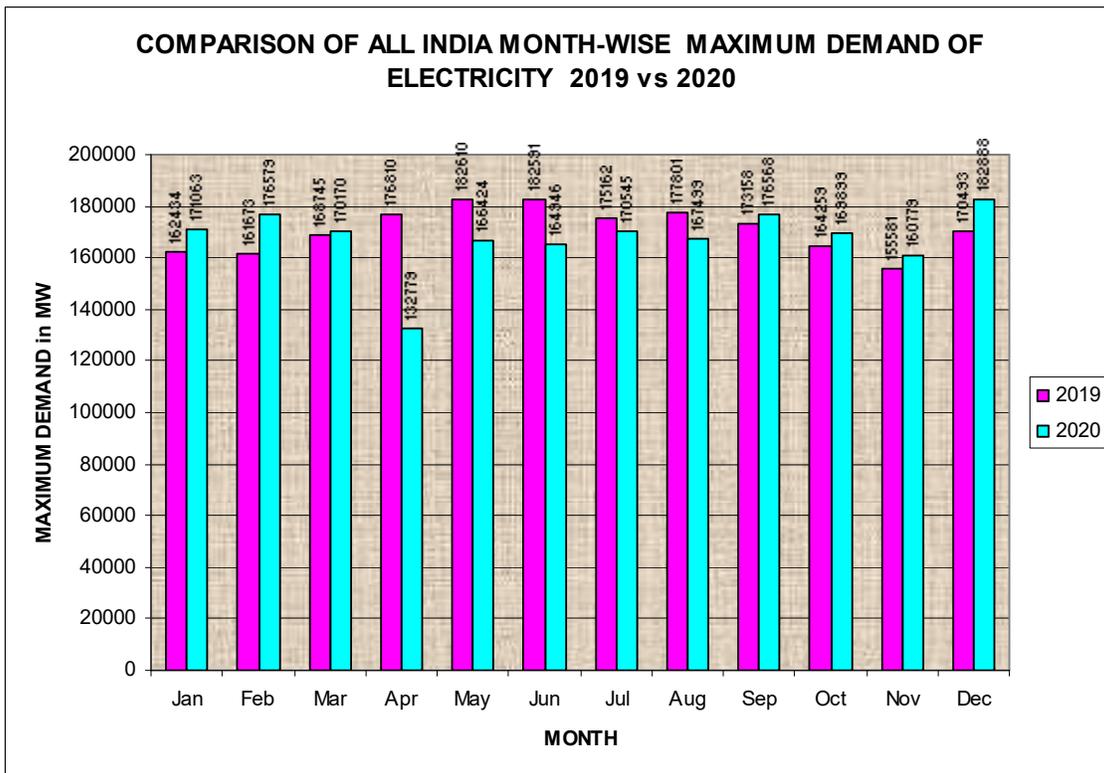
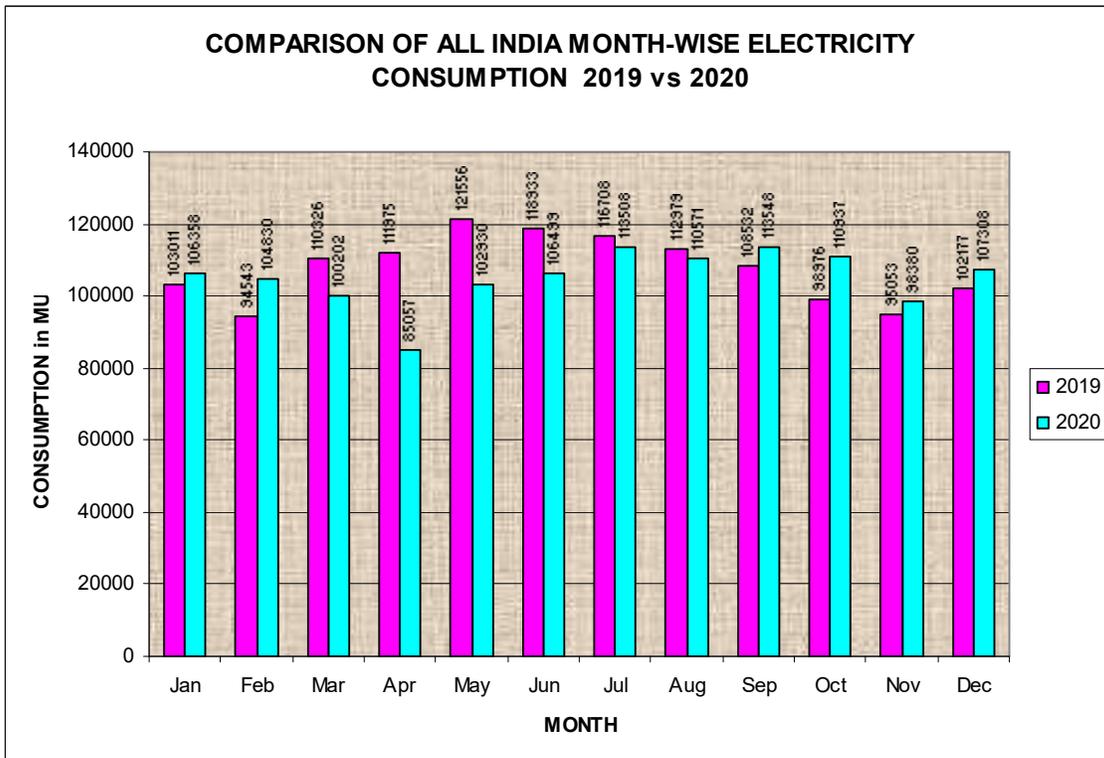
The Electricity consumption and maximum demand in our country during first two months of 2020 had registered normal increase. Electricity consumption in January and February 2020 increased by 3.25 and 10.88 percent of consumption in respective months in 2019. Maximum demand in these months in 2020 registered an increase of 5.31 and 9.22 percent compared to previous year. Meanwhile the **Total Electricity Consumption during 2020 is 2.68% less** than that of 2019. The maximum Demand during 2020 is 0.15% more than that of 2019.

Tables showing All India Consumption and Maximum Demand for 2019 & 2020 are given below.

COMPARISON OF MONTH-WISE ELECTRICITY CONSUMPTION 2019 VS 2020				COMPARISON OF MONTH-WISE ELECTRICITY MAXIMUM DEMAND 2019 VS 2020			
Month	2019	2020	%Change	Month	2019	2020	%Change
Jan	103011	106358	3.25	Jan	162434	171063	5.31
Feb	94543	104830	10.88	Feb	161673	176579	9.22
Mar	110326	100202	-9.18	Mar	168745	170170	0.84
Apr	111975	85057	-24.04	Apr	176810	132779	-24.90
May	121556	102930	-15.32	May	182610	166424	-8.86
Jun	118933	106499	-10.45	Jun	182591	164946	-9.66
Jul	116708	113508	-2.74	Jul	175162	170545	-2.64
Aug	112979	110571	-2.13	Aug	177801	167499	-5.79
Sep	108532	113548	4.62	Sep	173158	176568	1.97
Oct	98976	110937	12.08	Oct	164259	169899	3.43
Nov	95053	98380	3.50	Nov	155581	160779	3.34
Dec	102177	107308	5.02	Dec	170493	182888	7.27
Total for Year	1294769	1260128	-2.68	Maximum of Year	182610	182888	0.15

Source : InSDES compilation of Data available at <https://www.Posoco.in/Reports>

The decrease in Electricity consumption and power demand was due to the nation wide lock down declared on 25<sup>th</sup> March 2020 to check the spread of Covid-19 pandemic. The unlock process was started from 1<sup>st</sup> June 2020. Consumption and Maximum Demand registered Negative growth from March 2020 upto the end of August 2020. During April and May 2020 the consumption registered a decrease of 24.04% and 15.32% whereas the maximum demand dropped by 24.9% and 8.86% . Though Unlock process was started in June 2020, Consumption & Maximum Demand registered negative growth till August 2020. From September 2020 onwards, the consumption and maximum demand started moving in positive direction and reached almost normal by the year end.



Source : InSDES compilation of Data available at [https://www. Posoco.in/Reports](https://www.Posoco.in/Reports)

## **Power scenario in Kerala**

According to the details available at Kerala State Load Despatch Centre Web site the Total Electricity Consumption of our state during 2020 has registered a 3.44% reduction compared to that of the previous year. The maximum demand of 4182 MW in 2020 was met on 18-03-2020 (prior to Lock-down period). The All Time Maximum Power Demand of the state is 4316 MW which was registered on 13<sup>th</sup> April 2019. The reduction in Maximum Demand during 2020 compared to 2019 is 3.1%. The Maximum power demand recorded in our state after declaring the Covid-19 lock down is 3787 MW (on 03-04-2020). A comparison of the Monthly Power consumption and Maximum Demand during 2019 and 2020 are shown in the Table below.

COMPARISON OF MONTH-WISE ELECTRICITY CONSUMPTION OF KERALA 2019 VS 2020				COMPARISON OF MONTH-WISE ELECTRICITY MAXIMUM DEMAND OF KERALA 2019 VS 2020			
Month	2019	2020	%Change	Month	2019	2020	%Change
Jan	2003.5	2239.5	11.78	Jan	3712	3796	2.26
Feb	2050.1	2190.4	6.85	Feb	3845	3964	3.09
Mar	2484.8	2377.7	-4.31	Mar	4242	4182	-1.41
Apr	2429.9	2049.5	-15.66	Apr	4316	3787	-12.26
May	2559.5	2192.0	-14.36	May	4219	3713	-11.99
Jun	2176.4	1921.9	-11.69	Jun	4084	3299	-19.22
Jul	2092.7	1935.4	-7.51	Jul	3831	3199	-16.50
Aug	1913.6	1940.7	1.42	Aug	3601	3538	-1.75
Sep	1993.8	1908.9	-4.26	Sep	3567	3368	-5.58
Oct	2057.9	2078.2	0.99	Oct	3582	3525	-1.59
Nov	2091.8	2118.5	1.28	Nov	3705	3716	0.30
Dec	2165.4	2172.8	0.34	Dec	3716	3653	-1.70
<b>Total for Year</b>	<b>26019.25</b>	<b>25125.39</b>	<b>-3.44</b>	<b>Maximum of Year</b>	<b>4316</b>	<b>4182</b>	<b>-3.10</b>

Source : InSDES compilation of Data available at <https://www.sldckerala.com>

Monthly power consumption recorded negative growth from March to September this year (Except August-because of exceptional low consumption in August 2019 due to flood and natural calamity in some parts of the state)The Maximum decline of 15.66% in monthly power consumption compared to 2019 occurred in April 2020.

The monthly power consumption started recovery and showed positive growth from October 2020 onwards. The growth has not come upto normal level. This may be due to the prevailing climate conditions in the state and also due to the fact that the economic activity in the state has not fully returned to the pre Covid-19 status.