

## **ELECTRICITY CONSUMPTION IN UTTAR PRADESH INCREASES DURING COVID-19 LOCK DOWN PERIOD**

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A preliminary analysis of the Electricity consumption data published in the website of the National Load Despatch Centre shows that the consumption in Uttar Pradesh has increased during the COVID-19 lock down period compared to the consumption during the week before lock down. Electricity consumption at All India level has shown a decrease of 21% during this period. Gujrath has registered a 32.5% reduction in electricity consumption followed by Tamil Nadu (28.59%) and Rajasthan (28.5%).

A comparison of average electricity consumption of ten top consuming states in India prior to COVID-19 Lock-down period (15/03/2020 to 21/03/2020) and during Lock-down period (25/03/2020 to 18/04/2020) is given in the Table below:

Table

STATES	Average consumption from 15 <sup>th</sup> to 21 <sup>st</sup> March 2020 in MU	Average consumption from 25 <sup>th</sup> March to 18 <sup>th</sup> April 2020 in MU	Difference in MU	% Difference	Remarks
MAHARASHTRA	480.21	373.68	-106.53	-22.18	
GUJRATH	349.93	236.20	-113.73	-32.50	
<b>UTTAR PRADESH</b>	<b>244.77</b>	<b>252.45</b>	<b>7.68</b>	<b>3.14</b>	<b>Consumption increased</b>
TAMIL NADU	339.49	242.41	-97.07	-28.59	
RAJASTHAN	209.96	150.12	-59.84	-28.50	
MADHYA PRADESH	199.81	166.83	-32.98	-16.51	
KARNATAKA	251.71	209.76	-41.96	-16.67	
TELENGANA	242.87	181.98	-60.89	-25.07	
ANDHRA PRADESH	199.91	159.58	-40.33	-20.18	
PUNJAB	99.80	71.71	-28.09	-28.15	

Source : InSDES compilation based on details available at <https://www.posoco.in/Reports/Weekly reports/Daily Reports>

Note : In connection with COVID-19 pandemic All India Lock-down was declared for 21 days with effect from 00:00 Hrs on 25/03/2020 and subsequently extended to 03/05/2020 with certain relaxations from 20/04/2020.

Daily average consumption of Uttar Pradesh during the lock down period (25/03/2020 to 18/04/2020) is 252.45 MU. During the one week period (15/03/2020 to 21/03/2020) before the lock down, the daily average consumption was 244.77 MU. There

is an increase of **3.14%** in consumption during the lock down period. This is contrary to the situation prevailing at All India and Regional Levels in Electricity sector during the lock down period. This deserves a detailed study.

Tables showing details of daily electricity consumption of the ten top consuming states in India **before** and **during** lock-down are appended.

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## Appendix-1

ELECTRICITY CONSUMPTION OF 10 TOP CONSUMING STATES IN INDIA PRIOR TO COVID-19 LOCK DOWN PERIOD (15 <sup>th</sup> MARCH 2020 to 21 <sup>st</sup> MARCH 2020)								
DAILY CONSUMPTION in MU								
STATES	15-03-20	16-03-20	17-03-20	18-03-20	19-03-20	20-03-20	21-03-20	AVERAGE
MAHARASHTRA	466.70	490.50	499.30	479.60	479.00	478.20	468.20	480.21
GUJRATH	321.00	338.00	349.90	355.90	364.50	362.30	357.90	349.93
UTTAR PRADESH	214.40	232.80	240.90	249.90	256.70	263.00	255.70	244.77
TAMIL NADU	311.70	337.60	346.20	347.20	345.60	348.30	339.80	339.49
RAJASTHAN	205.80	205.60	213.60	215.20	216.80	210.30	202.40	209.96
MADHYA PRADESH	200.10	202.70	205.40	203.40	200.50	195.10	191.50	199.81
KARNATAKA	239.00	255.60	256.90	256.00	258.60	251.10	244.80	251.71
TELENGANA	234.40	241.20	247.40	256.20	247.40	236.70	236.80	242.87
ANDHRA PRADESH	196.10	201.20	205.10	204.30	201.30	198.50	192.90	199.91
PUNJAB	89.20	95.30	96.50	102.40	103.90	105.60	105.70	99.80

## Appendix-2

ELECTRICITY CONSUMPTION OF 10 TOP CONSUMING STATES IN INDIA DURING COVID-19 LOCK DOWN PERIOD (25 <sup>th</sup> MARCH 2020 to 18 <sup>th</sup> APRIL 2020)																										
DAILY CONSUMPTION in MU																										
STATES	25/3	26/3	27/3	28/3	29/3	30/3	31/3	01/4	02/4	03/4	04/4	05/4	06/4	07/4	08/4	09/4	10/4	11/4	12/4	13/4	14/4	15/4	16/4	17/4	18/4	Average
MAHARASHTRA	357.9	328.0	348.2	351.0	348.4	345.2	344.3	353.3	369.8	376.0	378.0	376.6	377.2	381.2	378.2	383.2	383.1	387.1	392.2	391.7	392.2	395.0	402.2	401.9	400.2	373.68
GUJRATH	238.2	207.5	192.3	201.7	203.5	212.0	217.1	221.5	224.0	229.7	232.2	231.4	240.2	242.8	241.1	243.8	246.0	247.4	249.5	260.7	263.5	261.7	264.5	269.0	263.7	236.20
UTTAR PRADESH	239.9	238.9	217.3	219.4	220.4	220.8	234.8	241.2	246.2	241.2	241.3	236.8	241.4	249.0	248.0	252.4	260.3	265.9	271.0	282.3	290.0	289.0	293.3	290.0	280.4	252.45
TAMIL NADU	256.3	245.9	244.7	244.5	242.7	244.1	245.2	243.9	246.5	250.2	250.6	245.5	247.0	235.1	237.5	224.4	207.8	222.7	228.2	239.1	243.8	248.2	252.5	254.9	259.0	242.41
RAJASTHAN	161.2	127.9	105.8	123.5	131.8	141.4	141.3	145.1	147.7	149.0	148.9	146.2	149.5	148.6	150.1	150.6	155.5	158.3	159.5	162.7	168.6	170.4	169.7	169.2	170.4	150.12
MADHYA PRADESH	160.0	150.3	131.8	142.8	150.4	155.6	158.9	162.7	165.5	165.4	165.8	164.4	166.2	169.0	168.2	171.8	174.0	176.4	177.2	179.9	180.8	180.7	182.2	188.7	182.1	166.83
KARNATAKA	214.9	213.6	217.4	214.6	215.7	218.2	221.6	220.7	226.7	226.2	228.8	214.5	199.8	182.0	187.8	186.6	184.1	197.1	198.4	206.6	208.4	217.0	219.8	219.0	204.4	209.76
TELENGANA	207.4	202.5	202.7	208.6	206.5	203.2	204.8	200.5	202.4	194.0	189.8	188.2	179.5	164.2	165.4	167.8	165.5	168.9	167.8	164.6	167.4	159.7	157.8	157.7	152.7	181.98
ANDHRA PRADESH	162.1	159.7	160.4	161.0	160.4	162.7	164.2	163.7	165.8	165.2	163.2	162.0	164.1	160.3	155.6	130.6	139.7	148.7	154.9	158.7	160.9	163.0	165.0	166.6	171.0	159.58
PUNJAB	63.1	66.9	57.6	56.1	60.0	62.7	63.6	63.5	68.0	72.1	70.5	73.9	75.8	69.6	72.4	74.0	75.9	77.7	78.2	82.0	88.1	84.5	85.4	83.3	67.8	71.71

Source :InSDES compilation based on details available at <https://www.posoco.in/Reports/Weekly reports/Daily Reports>

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