

# **DELHI TRANSCO LTD.**

STATE LOAD DISPATCH CENTER

## **PROGRESS REPORT**

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APRIL 2022

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## SALIENT FEATURES OF DELHI POWER SYSTEM

Sr. No.	Features	APR. 2021	APR. 2022
1	<b>Effective Generation Capacity within Delhi in MW</b>		
	Rajghat Power House	135	135
	Gas Turbine	270	270
	Pragati Power Corporation Ltd.	330	330
	Bawana CCGT	1371	1371
	TOWMCL (Waste to Energy Plant)	16	16
	EDWPCL (Waste to Energy Plant)	10	10
	DMSWL (Waste to Energy Plant)	24	24
	Total	2156	2156
2	<b>Maximum Unrestricted Demand (MW)</b>	<b>4372</b>	<b>6197</b>
	Date	16.04.21	29.04.22
	Time	15.10.54	15.31.57
3	<b>Peak Demand met (MW)</b>	<b>4372</b>	<b>6197</b>
	Date	16.04.21	29.04.22
	Time	15.10.54	15.31.57
4	Peak Availability (MW)	4312	6193
5	Shortage (-) / Surplus (+) in MW	(-)60	(-) 3
6	Percentage Shortage (-) / Surplus (+)	(-) 1.37	(-) 0.05
7	Maximum Energy Consume in a day (Mus)	90.6	126.145
8	Energy Consumed during the month	<b>2239.130</b>	<b>3101.370</b>
9	<b>Load Shedding in Mus</b>		
A)	Due to Grid Restrictions		
i)	Under Frequency Relay Operations	0.000	0.000
ii)	Manual Load shedding from DTL S/Stns.	0.000	0.000
iii)	Load Shedding due to low frequency / Low Voltage / TTC/ATC Violation	0.000	
	TPDDL	0.000	0.004
	BRPL	0.000	0.000
	BYPL	0.000	0.108
	NDMC	0.000	0.000
	MES	0.000	0.000
iv)	Due to transmission Constraints in Central Sector	0.000	0.000
	<b>Total due to Grid Restriction</b>	<b>0.000</b>	<b>0.112</b>
B)	Due to Constraints in System in Mus		
	DTL	0.211	0.463
	TPDDL	0.014	0.044
	BRPL	0.066	0.012
	BYPL	0.043	0.018
	NDMC	0.000	0.00
	MES	0.000	0.000
	Other Agencies	0.000	0.005
	<b>Total</b>	<b>0.335</b>	<b>0.542</b>
10	<b>Grand Total in Mus</b>	<b>0.335</b>	<b>0.654</b>

2. PERFORMANCE OF GENERATING STATIONS WITHIN DELHI DURING APRIL 2022

A) For the month of Apr 2022

All Figures in MUs

S. No	Stations	Gross Generation	Aux. Consumption	Net Generation	Plant Availability factor for the month (%)	Backing Down
1.	RPH	0.000	0.12	-0.120	--	--
2.	GT	33.836	2.587	31.249	52.54	26.24
3.	PPCL	153.250	3.468	149.782	65.39	69.34
4.	Bawana	368.941	12.624	356.317	36.98	559.10
5.	Towmcl	12.494	1.738	10.756	--	--
6.	EDWPCL	0.000	0.078	-0.078	--	--
7.	DMSWL	14.521	2.236	12.285	--	--
	<b>TOTAL</b>	<b>583.042</b>	<b>22.851</b>	<b>560.191</b>	<b>--</b>	<b>--</b>

B) For the Year 2022-23 (Upto Apr 2022)

Power Station	Effective Capacity (MW)	Net Generation in MUs for Apr 2022	Availability (%) for Apr 2022	PLF (%) For Apr 2022	Cumulative Generation in MUs upto Apr 2022 for the year 2022-23	Cumulative Availability in % upto Apr 2022 for the year 2022-23
RPH	135	-0.120	--	--	-0.120	--
GT	270	31.249	94.29	52.54	31.249	31.43
PPCL	330	149.782	95.47	65.39	149.782	95.47
Bawana	1372	356.317	95.31	36.98	356.317	95.31
Towmcl	16	10.756	--	--	10.756	--
EDWPCL	10	-0.078	--	--	-0.078	--
DMSWL	24	12.285	--	--	12.285	--
<b>TOTAL</b>	<b>2936</b>	<b>560.191</b>	<b>--</b>	<b>--</b>	<b>560.191</b>	<b>--</b>

### 3 DETAILS OF OUTAGES OF GENERATING STNS. WITHIN DELHI FOR APRIL 2022

#### RPH

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	67.5	08.05.15	13.40			Not in operation due to not meeting pollution norms.
2	67.5	21.05.15	10.20			Not in operation due to not meeting pollution norms.

#### (B) Gas Turbine

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	30	01.04.22	00.00	01.04.22	07.39	Unit is under shut down due to low demand
		02.04.22	01.55	08.04.22	12.50	
		09.04.22	00.00	09.04.22	15.19	
		13.04.22	01.37	13.04.22	02.31	Unit tripped due to AVR problem
2	30	NIL				
3	30	NIL				
4	30	NIL				
5	30	NIL				
6	30	01.04.22	07.20	01.04.22	07.59	unit tripped due to Electrical trouble normal shutdown
		01.04.22	07.59	02.04.22	01.40	Unit is under shut down due to low demand
		13.04.22	22.00	19.04.22	19.03	
		21.04.22	14.45	23.04.22	17.12	
		24.04.22	09.30	25.04.22	20.50	
		25.04.22	20.50	28.04.22	12.26	
STG-1	30	01.04.22	00.00	01.04.22	07.20	Unit is under shut down due to low demand
		01.04.22	07.30	01.04.22	15.33	Unit was not available due to AVR problem.
		01.04.22	22.30	01.04.22	23.55	Unit tripped due to condensor vacuum very low
		02.04.22	00.50	08.04.22	12.00	unit was not available due to non-availability of both CEP pumps.
		02.04.22	12.00	09.04.22	18.48	Unit is under shut down due to low demand
		13.04.22	01.40	13.04.22	03.17	Unit tripped due to tripping of GT # 1
STG-2	30	NIL				

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG-3	30	01.04.22	07.20	02.04.22	03.55	unit tripped due to tripping of GT# 6
		03.04.22	07.57	03.04.22	12.50	unit tripped due to failure of C&I processor
		08.04.22	11.27	08.04.22	12.15	Unit tripped due to ESV problem
		13.04.22	22.00	19.04.22	21.00	Unit is under shut down due to low demand
		19.04.22	21.00	19.04.22	23.45	Unit was delayed in synchronization due to problem of Turbine vibrations.
		19.04.22	23.56	20.04.22	01.40	Unit tripped due problem of main oil pump( MOP).
		21.04.22	14.45	23.04.22	19.46	Unit is under shut down due to low demand
		24.04.22	09.30	28.04.22	15.12	Unit is under shut down due to low demand

**(C) PRAGATI**

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	104	01.04.22	00.00	05.04.22	22.04	Unit stopped due to low demand.
		09.04.22	00.00	09.04.22	14.46	
		22.04.22	00.00	23.04.22	22.45	
		26.04.22	11.38	26.04.22	12.46	Unit tripped due to grid disturbance.
		26.04.22	12.46	26.04.22	16.58	Unit stopped due to low demand.
2	104	01.04.22	12.44	01.04.22	13.10	Unit tripped due to grid disturbance.
		06.04.22	03.35	07.04.22	17.33	Unit stopped due to low demand.
		08.04.22	08.29	08.04.22	16.20	
		13.04.22	19.46	19.04.22	16.23	
		22.04.22	06.25	22.04.22	07.35	Unit tripped due to grid disturbance.
		26.04.22	11.29	26.04.22	12.46	
STG	122	01.04.22	12.44	01.04.22	13.51	Unit tripped due to grid disturbance.
		07.04.22	22.36	08.04.22	01.13	Unit tripped on internal fault
		22.04.22	06.25	22.04.22	09.03	Unit tripped due to grid disturbance.
		26.04.22	11.29	26.04.22	13.53	

**(D) BAWANA CCGT POWER STATION**

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	216	28.04.22	18.00	29.04.22	04:00	Water supply constraint from DJB to PPCL
2	216	NIL				
3	216	NIL				
4	216	14.04.22	11:54	14.04.22	14:30	Unit tripped due to problem in Fuel gas supply system.
STG-1	254	28.04.22	18.00	29.04.22	04:00	DC of ½ STG taken out due to non availability of respective GT-4
STG-2	254	14.04.22	11:54	14.04.22	14:30	DC of ½ STG taken out due to non availability of respective GT-1

4 ALLOCATION OF POWER TO DISCOMS

A) ALLOCATION OF DELHI AND DISCOMS (IN MW) FROM VARIOUS CENTRAL SECTOR, STATE SECTOR GENERATING STATIONS ALONG WITH LTAs w.e.f. 01.05.2020

Name of the Stn	Installed capacity in MW	Capacity Allocation to Delhi In%	Capacity Allocation to Delhi in MW	DISCOMWISE CAPACITY ALLOCATION IN MW						
				BRPL	BYPL	TPDDL	NDM C	MES	RPH	NR
GAS TURBINE	270	100	270	164.39	23.13	81.48	0.00	0.00	1.00	
PRAGATI	330	100	330	93	53	64	100	20		
BAWANA CCGT	1371	80	1097	427	247	298	100	25		
EDWPCL(WEP)	12	49	6	0	5.9	0	0	0		
Bawana(WEP)	24	100	24	10	6	7	1	0		
TOWMCL(WEP)Exbus	13	97.15	12.63	6.5	0	6.1	0			
<b>TOTAL</b>	<b>2020</b>		<b>1739.3</b>	<b>701.1</b>	<b>334.6</b>	<b>456.4</b>	<b>201.3</b>	<b>45.0</b>	<b>1.00</b>	<b>0.0</b>
<b>CENTRAL SECTOR GENERATION</b>										
<b><u>NTPC STATIONS</u></b>										
Singrauli STPS	2000	7.50	150.00	30	74	46	0	0		
Rihand Stage-I	1000	10.00	100.00	69	0	31	0	0		
Rihand Stage -II	1000	12.60	126.00	55	32	39	0	0		
Rihand Stage-III	1000	13.19	131.91	78	54	0	0	0		
ANTA GPS	419	10.50	44.00	19	11	13	0	0		
Auriya GPS	663.36	10.86	72.04	32	18	22	0	0		
Dadri GPS	829.78	10.96	90.94	40	23	28	0	0		
Dadri (Th)-I	840	90.00	756.00	559	62	10	125	0		
Dadri (Th) -II	980	74.24	727.53	543	175	10	0	0		
Unchahaar-I TPS	420	5.71	23.98	11	6	7	0	0		
Unchahaar-II TPS	420	11.19	47.00	21	12	14	0	0		
Unchahaar-III TPS	210	13.81	29.00	13	7	9	0	0		
Unchahaar-IV TPS	500									
Jhajjar	1500	46.20	693.00	10	69	614	0	0		
Farakka(From ER)	1600	1.39	22.24	10	6	7	0	0		
Kahalgaon-I(From ER)	840	6.07	50.99	22	13	16	0	0		
Kahalgaon-II(From ER)	1500	10.49	157.35	69	40	48	0	0		
<b>TOTAL NTPC</b>	<b>15722</b>		<b>3221.98</b>	<b>1581</b>	<b>602</b>	<b>914</b>	<b>125</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b><u>NHPC (HYDRO)</u></b>										
Baira Suil HPS	180	11.00	19.80	8.7	5.0	6.1	0	0		
Salal HPS	690	11.62	80.18	59.8	20.4	0	0	0		
Tanakpur HEP	94	12.81	12.07	5.30	3.07	3.70	0	0		
Chamera HEP	540	7.90	42.66	18.7	10.8	13.1	0	0		
Chamera-II HEP	300	13.33	39.99	17.6	10.2	12.3	0	0		
Chamera-III HEP	231	12.73	29.42	12.9	7.5	9.0	0	0		
URI-I HEP	480	11.04	52.99	23.3	13.5	16.3	0	0		
URI -II HEP	240	13.45	32.28	14.2	8.2	9.9	0	0		
Sewa HEP	120	13.33	16.00	7.02	4.06	4.91	0	0		
Dhaulti Ganga HEP	280	13.21	36.99	16.2	9.4	11.3	0	0		
Dulhasti HEP	390	12.83	50.04	22.0	12.7	15.4	0	0		
Parbati-III HEP	520	12.73	66.20	29.1	16.8	20.3	0	0		
<b>Total NHPC</b>	<b>4065</b>		<b>478.61</b>	<b>234.81</b>	<b>121.6</b>	<b>122</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Name of the Stn	Installed capacity in MW	Capacity Allocation to Delhi In%	Capacity Allocation to Delhi in MW	DISCOMWISE CAPACITY ALLOCATION IN MW						
				BRPL	BYPL	TPDDL	NDM C	MES	RPH	NR
<b>Nathpa Jhakri HEP</b>	<b>1500</b>	<b>9</b>	<b>142.05</b>	<b>62</b>	<b>36</b>	<b>44</b>	<b>0</b>	<b>0</b>		
Tehri Hydro	1000	6.30	63.00	44	0	19	0	0		
Koteshwar HEP	400	9.86	39.44	27	0	12	0	0		
<b>Total THDC</b>	<b>1400</b>		<b>102.44</b>	<b>71.01</b>	<b>0</b>	<b>31.4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Singrauli Hyd	8	19.13	1.53	0	0	1.53				
<b><u>NPC (NUCLEAR)</u></b>										
Narora APS	440	10.68	46.99	33	0	14	0	0		
RAPP (C )	440	12.69	55.84	25	14	17	0	0		
<b>TOTAL NPC</b>	<b>880</b>		<b>102.83</b>	<b>57</b>	<b>14</b>	<b>32</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b><u>Allocation from ER</u></b>										
Tala HEP	1020	2.94	29.99	13	8	9	0	0		
SASAN	3960	11.25	445.50	66.08	311.08	68.34	0	0		
DVC(CTPS7 &8 )			<b>300.00</b>	<b>131.00</b>	<b>82.00</b>	<b>83.76</b>				
DVC(Mejia6)			100.00	44	25	31	0	0		
<b>TOTAL</b>	<b>4980</b>		<b>875.49</b>	<b>254</b>	<b>426</b>	<b>192</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b><u>Allocation from Long term Bilateral</u></b>										
CLP Jhajjar(Th)	1320		124.00			124				
Mejia-7(Th)	500		119.00		119					
Methan(Th)	1050		281.25			281				
Surya Kanta(Hyd)			14.00			14				
Nanti Hydro			11.45			11				
Tutikoren(LT-61)			50.00	50						
SECI			60.00	20	20	20				
<b>RUMS - DMRC</b>			<b>99.00</b>	<b>47.5</b>	<b>26.3</b>	<b>25.2</b>				
<b>Sun Edision (From 18.11.2019)</b>			<b>90.00</b>			<b>90</b>				
<b>Teranda (HYD)(From 08.1.2020)</b>			<b>12.65</b>			<b>12.65</b>				
<b>BRBCL (From 15.01.2020)</b>			<b>5.00</b>							5
JIPTL			9.46							9.46
<b>TOTAL</b>	<b>2870</b>		<b>875.81</b>	<b>117</b>	<b>166</b>	<b>579</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>14.46</b>
<b>Total in MW</b>	<b>33445</b>		<b>7540</b>	<b>3078</b>	<b>1700</b>	<b>2371</b>	<b>326</b>	<b>45</b>	<b>1</b>	<b>14.46</b>



**B) ALLOCATION OF DELHI AND DISCOMS (IN %AGE) FROM VARIOUS CENTRAL SECTOR, STATE SECTOR GENERATING STATIONS ALONG WITH LTAs w.e.f. 01.05.2020**

Name of the Stn	Installed capacity in MW	Capacity Allocation to Delhi In%	Capacity Allocation to Delhi in MW	DISCOMWISE CAPACITY ALLOCATION IN PERCENTAGE (%AGE)						
				BRPL	BYPL	TPDD L	NDMC	MES	RPH	NR
<b>STATE GENERATING STATIONS</b>										
GAS TURBINE	270	100	270	60.89	8.57	30.18	0.00	0.00	0.37	
PRAGATI	330	100	330	28.29	16.07	19.28	30.30	6.06		
BAWANA CCGT	1371	80	1097	38.91	22.50	27.19	9.13	2.28		
EDWPCL(WEP)	12	49	6	0.00	100.00	0.00	0.00	0.00		
Bawana(WEP)	24	100	24	41.81	23.90	29.20	5.09	0.00		
TOWMCL(WEP)	13	97	12.63	50.00	0.00	47.15	0.00	0.00	0.00	
<b>TOTAL</b>	<b>2020</b>		<b>1739.31</b>	<b>40.31</b>	<b>19.24</b>	<b>26.24</b>	<b>11.57</b>	<b>2.58</b>	<b>0.06</b>	<b>0.00</b>
<b>CENTRAL SECTOR GENERATION</b>										
<b>NTPC STATIONS</b>										
Singrauli STPS	2000	7.50	150.00	19.76	49.56	30.68	0.00	0.00		
Rihand Stage-I	1000	10.00	100.00	69.32	0.00	30.68	0.00	0.00		
Rihand Stage -II	1000	12.60	126.00	43.92	25.40	30.68	0.00	0.00		
Rihand Stage-III	1000	13.19	131.91	59.26	40.74	0.00	0.00	0.00		
ANTA GPS	419	10.50	44.00	43.92	25.40	30.68	0.00	0.00		
Auriya GPS	663.36	10.86	72.04	43.92	25.40	30.68	0.00	0.00		
Dadri GPS	829.78	10.96	90.94	43.92	25.39	30.68	0.00	0.00		
Dadri (Th)-I	840	90.00	756.00	73.98	8.17	1.32	16.53	0.00		
Dadri (Th) -II	980	74.24	727.53	74.60	24.03	1.37	0.00	0.00		
Unchahaar-I TPS	420	5.71	23.98	43.92	25.39	30.68	0.00	0.00		
Unchahaar-II TPS	420	11.19	47.00	43.92	25.40	30.68	0.00	0.00		
Unchahaar-III TPS	210	13.81	29.00	43.92	25.40	30.68	0.00	0.00		
Unchahaar-IV TPS	500									
Jhajjar	1500	46.20	693.00	1.44	9.99	88.57	0.00	0.00		
Farakka	1600	1.39	22.24	43.92	25.40	30.68	0.00	0.00		
Kahalgaon-I	840	6.07	50.99	43.92	25.40	30.68	0.00	0.00		
Kahalgaon-II	1500	10.49	157.35	43.92	25.40	30.68	0.00	0.00		
<b>TOTAL NTPC</b>	<b>15722</b>		<b>3221.98</b>	<b>49.06</b>	<b>18.70</b>	<b>28.37</b>	<b>3.88</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
<b>NHPC (HYDRO)</b>										
Baira Suil HPS	180	11.00	19.80	43.92	25.40	30.68	0.00	0.00		
Salal HPS	690	11.62	80.18	74.60	25.40	0.00	0.00	0.00		
Tanakpur HEP	94	12.81	12.07	43.92	25.40	30.68	0.00	0.00		
Chamera HEP	540	7.90	42.66	43.92	25.40	30.68	0.00	0.00		
Chamera-II HEP	300	13.33	39.99	43.92	25.40	30.68	0.00	0.00		
Chamera-III HEP	231	12.73	29.42	43.92	25.40	30.68	0.00	0.00		
URI-I HEP	480	11.04	52.99	43.92	25.40	30.68	0.00	0.00		
URI -II HEP	240	13.45	32.28	43.92	25.40	30.68	0.00	0.00		
Sewa HEP	120	13.33	16.00	43.92	25.40	30.68	0.00	0.00		
Dhaulti Ganga HEP	280	13.21	36.99	43.92	25.40	30.68	0.00	0.00		
Dulhasti HEP	390	12.83	50.04	43.92	25.40	30.68	0.00	0.00		
Parbati-III HEP	520	12.73	66.20	43.92	25.40	30.68	0.00	0.00		
<b>Total NHPC</b>	<b>4065</b>		<b>478.60734</b>	<b>49.06</b>	<b>25.40</b>	<b>25.54</b>	<b>0.00</b>	<b>0.00</b>		

Name of the Stn	Installed capacity in MW	Capacity Allocation to Delhi In%	Capacity Allocation to Delhi in MW	DISCOMWISE CAPACITY ALLOCATION IN PERCENTAGE (%AGE)						
				BRPL	BYPL	TPDDL	NDMC	MES	RPH	NR
<b>Nathpa Jhakri HEP</b>	<b>1500</b>	<b>9</b>	<b>142.05</b>	<b>43.92</b>	<b>25.40</b>	<b>30.68</b>	<b>0.00</b>	<b>0.00</b>		
Tehri Hydro	1000	6.30	63.00	69.32	0.00	30.68	0.00	0.00		
Koteshwar HEP	400	9.86	39.44	69.32	0.00	30.68	0.00	0.00		
<b>Total THDC</b>	<b>1400</b>		<b>102.44</b>	<b>69.32</b>	<b>0.00</b>	<b>30.68</b>	<b>0.00</b>	<b>0.00</b>		
Singrauli Hyd	8	19.13	1.53	0.00	0.00	100.00	0.00	0.00		
<b><u>NPC (NUCLEAR)</u></b>										
Narora APS	440	10.68	46.99	69.32	0.00	30.68	0.00	0.00		
RAPP (C )	440	12.69	55.84	43.92	25.40	30.68	0.00	0.00		
<b>TOTAL NPC</b>	<b>880</b>		<b>102.828</b>	<b>55.53</b>	<b>13.79</b>	<b>30.68</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
<b>Allocation from ER</b>										
Tala HEP	1020	2.94	29.99	43.92	25.40	30.68	0.00	0.00		
<b>SASAN</b>	<b>3960</b>	<b>11.25</b>	<b>445.50</b>	<b>14.83</b>	<b>69.83</b>	<b>15.34</b>	<b>0.00</b>	<b>0.00</b>		
DVC(CTPS7 & 8 )			<b>300.00</b>	<b>44.14</b>	<b>27.63</b>	<b>28.22</b>				
DVC(Meja6)			100.00	43.92	25.40	30.68	0.00	0.00		
<b>TOTAL</b>	<b>4980</b>		<b>875.488</b>	<b>29.03</b>	<b>48.67</b>	<b>21.93</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
<b>Allocation from Long term Bilateral</b>										
CLP Jhajjar(Th)	1320		124.00			100.00				
Meja-7(Th)	500		119.00		100.00					
Methan(Th)	1050		281.25			100.00				
Surya Kanta(Hyd)			14.00			100.00				
Nanti Hydro			11.45			100.00				
Tutikoren			50.00	100.00						
SECI			60.00	32.93	33.78	33.29				
<b>RUMS - DMRC</b>			99.00	47.98	26.57	25.45				
<b>Sun Edision (From 18.11.2019)</b>			90.00			100.00				
<b>Teranda (HYD) (From 08.1.2020)</b>			<b>12.65</b>			100.00				
<b>BRBCL (From 15.01.2020)</b>			<b>5.00</b>							100
JIPTL			9.46							100
<b>TOTAL</b>	<b>2870</b>		<b>875.81</b>	<b>13.39</b>	<b>18.90</b>	<b>66.06</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>200.0</b>
<b>Total</b>	<b>33445</b>		<b>7540</b>	<b>40.83</b>	<b>22.55</b>	<b>31.45</b>	<b>4.33</b>	<b>0.60</b>	<b>0.01</b>	<b>0.19</b>

**POWER AVAILABILITY-DEMAND POSITION AT THE TIME OF PEAK DEMAND  
MET DURING APRIL 2022**

Date	Time of peak demand	Generation within Delhi							Import from the Grid	Schedule from the Grid	OD(-) / UD(+)	Demand met	Shedding	Un-Restricted Demand
		GT	PPCL	Bawana	TOWMCL	EDW PCL	DMS WL	Total						
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9) = (3) to (8)	(10)	(11)	(12) = (11) - (10)	(13) = (11) + (12)	(14)	(15) = (13) + (14)
1	15.41.51	36	150	302	0	0	19	507	3962	4056	-94	4469	0	4469
2	15.45.06	31	149	300	13	0	17	510	3660	3666	-6	4170	0	4170
3	22.59.14	34	158	317	12	0	18	539	3680	3598	82	4219	0	4219
4	15.42.36	31	149	294	13	0	17	504	4033	4058	-25	4537	0	4537
5	15.47.34	31	150	300	14	0	17	512	4126	4131	-5	4638	0	4638
6	15.25.13	31	142	299	13	0	8	493	4269	4237	32	4762	0	4762
7	15.21.34	30	142	299	10	0	7	488	4414	4344	70	4902	0	4902
8	15.51.34	54	139	301	13	0	17	524	4512	4479	33	5036	0	5036
9	23.05.47	34	253	300	13	0	19	619	4130	4127	3	4749	0	4749
10	23.20.58	70	271	474	13	0	17	845	4124	4086	38	4969	0	4969
11	15.29.58	61	265	594	12	0	17	949	4511	4319	192	5460	0	5460
12	15.15.31	64	273	472	12	0	16	837	4394	4511	-117	5231	0	5231
13	15.15.29	61	272	481	12	0	19	845	4446	4452	-6	5291	0	5291
14	00.01.00	36	149	469	14	0	17	685	4373	4320	53	5058	0	5058
15	23.28.35	38	150	470	13	0	17	688	4381	4409	-28	5069	0	5069
16	23.42.09	37	145	506	14	0	17	719	4293	4282	11	5012	0	5012
17	23.36.52	39	146	470	17	0	16	688	4539	4518	21	5227	0	5227
18	23.29.14	38	145	535	19	0	19	756	4884	4870	14	5640	0	5640
19	15.30.57	33	135	477	15	0	18	678	5057	5030	27	5735	0	5735
20	15.36.47	59	271	504	17	0	18	869	4892	4873	19	5761	0	5761
21	00.00.15	67	260	541	19	0	19	906	4751	4677	74	5657	0	5657
22	16.06.04	36	149	519	18	0	18	740	4614	4636	-22	5354	0	5354
23	00.02.15	39	154	527	19	0	19	758	4333	4385	-52	5091	0	5091
24	23.44.31	37	298	471	11	0	19	836	4393	4400	-7	5229	0	5229
25	16.05.47	35	287	616	11	0	18	967	4622	4595	27	5589	0	5589
26	15.22.12	34	145	904	14	0	18	1115	4566	4459	107	5681	0	5681
27	23.27.25	38	296	868	19	0	18	1239	4547	4593	-46	5786	0	5786
28	23.17.24	67	296	924	16	0	19	1322	4728	4682	46	6050	12	6062
29	15.31.57	60	280	1220	15	0	19	1594	4753	4757	-4	6347	0	6347
30	23.24.19	65	297	978	17	0	19	1376	4660	4675	-15	6036	0	6036

**POWER AVAILABILITY- DEMAND POSITION AT THE TIME OF MAXIMUM UNRESTRICTED DEMAND DURING APRIL 2022**

Date	Time of peak demand	Generation within Delhi							Import from the Grid	Schedule from the Grid	OD(-) / UD(+)	Demand met	Shedding	Un-Restricted Demand
		GT	PPCL	Bawana	TOWMCL	EDW PCL	DMS WL	Total						
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9) = (3) to (8)	(10)	(11)	(12) = (11) - (10)	(13) = (11) + (12)	(14)	(15) = (13) + (14)
1	15.41.51	36	150	302	0	0	19	507	3962	4056	-94	4469	0	4469
2	15.45.06	31	149	300	13	0	17	510	3660	3666	-6	4170	0	4170
3	22.59.14	34	158	317	12	0	18	539	3680	3598	82	4219	0	4219
4	15.42.36	31	149	294	13	0	17	504	4033	4058	-25	4537	0	4537
5	15.47.34	31	150	300	14	0	17	512	4126	4131	-5	4638	0	4638
6	15.25.13	31	142	299	13	0	8	493	4269	4237	32	4762	0	4762
7	15.21.34	30	142	299	10	0	7	488	4414	4344	70	4902	0	4902
8	15.51.34	54	139	301	13	0	17	524	4512	4479	33	5036	0	5036
9	23.05.47	34	253	300	13	0	19	619	4130	4127	3	4749	0	4749
10	23.20.58	70	271	474	13	0	17	845	4124	4086	38	4969	0	4969
11	15.29.58	61	265	594	12	0	17	949	4511	4319	192	5460	0	5460
12	15.15.31	64	273	472	12	0	16	837	4394	4511	-117	5231	0	5231
13	15.15.29	61	272	481	12	0	19	845	4446	4452	-6	5291	0	5291
14	00.01.00	36	149	469	14	0	17	685	4373	4320	53	5058	0	5058
15	23.28.35	38	150	470	13	0	17	688	4381	4409	-28	5069	0	5069
16	23.42.09	37	145	506	14	0	17	719	4293	4282	11	5012	0	5012
17	23.36.52	39	146	470	17	0	16	688	4539	4518	21	5227	0	5227
18	23.29.14	38	145	535	19	0	19	756	4884	4870	14	5640	0	5640
19	15.30.57	33	135	477	15	0	18	678	5057	5030	27	5735	0	5735
20	15.36.47	59	271	504	17	0	18	869	4892	4873	19	5761	0	5761
21	00.00.15	67	260	541	19	0	19	906	4751	4677	74	5657	0	5657
22	16.06.04	36	149	519	18	0	18	740	4614	4636	-22	5354	0	5354
23	00.02.15	39	154	527	19	0	19	758	4333	4385	-52	5091	0	5091
24	23.44.31	37	298	471	11	0	19	836	4393	4400	-7	5229	0	5229
25	16.05.47	35	287	616	11	0	18	967	4622	4595	27	5589	0	5589
26	15.22.12	34	145	904	14	0	18	1115	4566	4459	107	5681	0	5681
27	23.27.25	38	296	868	19	0	18	1239	4547	4593	-46	5786	0	5786
28	23.17.24	67	296	924	16	0	19	1322	4728	4682	46	6050	12	6062
29	15.31.57	60	280	1220	15	0	19	1594	4753	4757	-4	6347	0	6347
30	23.24.19	65	297	978	17	0	19	1376	4660	4675	-15	6036	0	6036

**SOURCEWISE SCHEDULED DRAWL FROM NORTHERN GRID AS WELL AS  
AVAILABILITY WITHIN DELHI FOR APRIL 2022**

(ALL FIGURES IN MUS)

<b>GENERATION WITHIN DELHI</b>	<b>AVAILABILITY</b>	<b>SCHEDULE</b>
Rajghat Power House	0.000	0.000
Gas Turbine	59.269	33.027
Pragati-I	220.041	150.700
Pragati-III (Bawana)	915.083	355.982
Rithala	0.000	0.000
Badarpur	0.000	0.000
Renewable (include WTE)	21.815	21.815
<b>TOTAL DELHI GEN.</b>	<b>1216.206</b>	<b>561.525</b>

<b>NAME OF STATION</b>	<b>AVAILABILITY</b>	<b>SCHEDULE</b>
SINGRAULI STPS	87.309	87.502
RIHAND STPS	63.257	63.085
DADRI TPS	517.118	446.056
UNCHAHAHAR-I TPS	13.672	14.434
UNCHAHAHAR-II TPS	24.965	23.900
ANTA GPP-GF	10.137	0.000
ANTA GPP-LF	0.000	0.029
ANTA GPP-RF	0.000	0.024
ANTA CRF	0.000	0.000
AURAIYA GPP-GF	19.792	0.000
AURAIYA GPP-LF	0.000	0.033
AURAIYA GPP-RF	0.000	0.041
AURAIYA CRF	0.000	0.060
DADRI GPP-GF	13.174	0.000
DADRI GPP-LF	0.000	0.517
DADRI GPP-RF	0.000	0.000
DADRI CRF	0.000	1.251
BAIRASIUL HEP	7.919	7.919
SALAL HEP	26.659	26.659
TANAKPUR HEP	2.065	2.065
CHAMERA HEP	13.218	13.218
URI HEP	36.073	36.073
NATHPA JHAKRI HEP	38.400	38.400
CHAMERA HEP-II	16.197	16.197
RIHAND-II STPS	88.462	84.573
DHAULIGANGA HEP	11.612	11.612
TEHRI HEP	13.283	13.283
UNCHAHAHAR-III TPS	19.508	18.525
DULHASTI HEP	25.171	25.171

<b>NAME OF STATION</b>	<b>AVAILABILITY</b>	<b>SCHEDULE</b>
DADRI II	474.614	0.000
SEWA-II	6.980	6.980
jhajjar	224.000	437.358
NAPP	23.683	23.683
RAPP C	36.850	36.850
RAPPB_4 C	0.000	0.000
KOTESWAR	9.206	9.206
SASAN	286.841	286.841
CHAMERA III	11.783	11.783
RIHAND3	78.744	75.681
KAHALGAON1	33.280	31.539
KAHALGAON2	97.231	90.900
TALA	1.536	1.536
FARAKA	9.817	9.817
URI 2 HEP	22.350	22.350
Parvati3	4.145	4.145
Koldam	0.000	0.000
SINGRAULI SHEP	0.589	0.589
UNCHAHAR - IV TPS	0.000	0.000
TALCHER (BTPS)	12.080	0.000
Nabinagar STPS(BRBCL)	3.282	9.423
<b>TOTAL ISGS</b>	<b>2385.002</b>	<b>1989.309</b>
LTA	791.353	791.353
<b>TOTAL (ISGS+LTA)</b>	<b>3176.355</b>	<b>2780.661</b>
<b>TOTAL AVAILABILITY</b>	<b>4392.561</b>	<b>3342.186</b>
BILATERAL PURCHASE	300.476	300.476

**8. SHEDDING DETAILS DURING THE MONTH OF APRIL 2022.**

**ALL FIGURES IN MUs**

DATE	No. of Under Freq. Relay Operated	Shedding due to under frequency relay operation in MUs					Shedding due to Grid Restrictions (Over drawal / low freq.)				
		BSES		TPDDL	NDMC	TOTAL	BSES		TPDDL	NDMC	MES
		BYPL	BRPL				BYPL	BRPL			
1	2	3	4	5	6	7=3 to 6	8	9	10	11	12
01.04.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
02.04.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
03.04.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
04.04.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
05.04.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
06.04.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
07.04.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
08.04.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.000	0.000
09.04.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10.04.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11.04.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12.04.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
13.04.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14.04.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15.04.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
16.04.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17.04.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
18.04.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
19.04.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20.04.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
21.04.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22.04.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
23.04.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
24.04.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25.04.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
26.04.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27.04.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
28.04.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
29.04.22	0	0.000	0.000	0.000	0.000	0.000	0.1084	0.000	0.000	0.000	0.000
30.04.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>TOTAL</b>	<b>0</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.1084</b>	<b>0.000</b>	<b>0.004</b>	<b>0.000</b>	<b>0.000</b>

ALL FIGURES IN MUS

Date	Shedding due to Transmission/Grid Constraints in Central Sector Stations / TTC / ATC VOILATION				DUE TO NEW GRID CODE REGULATION DEVIATION			Shedding due to Transmission/Grid Constraints in Central sector stations				Total	Total shedding due to grid restrictions
	BSES		TPDDL	NDMC	BSES			BSES		TPDDL	NDMC		
	BYPL	BRPL			BYPL	BRPL	TPDDL	BYPL	BRPL				
<b>1</b>	13	14	15	16	17	18	19	20	21	22	23	24=8 to 23	25=7+24
01.04.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
02.04.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
03.04.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
04.04.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
05.04.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
06.04.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
07.04.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
08.04.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.004
09.04.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10.04.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11.04.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12.04.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
13.04.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14.04.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15.04.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
16.04.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17.04.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
18.04.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
19.04.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20.04.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
21.04.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22.04.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
23.04.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
24.04.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25.04.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
26.04.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27.04.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
28.04.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
29.04.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.1084	0.1084
30.04.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>TOTAL</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	<b>0.1124</b>	<b>0.1124</b>



ALL FIGURES IN MU<sub>s</sub>

Date	DUE TO T&D CONSTRAINTS IN DELHI SYSTEM								
	DTL					DISCOMS			
	BSES		TPDDL	NDMC	MES	BSES		TPDDL	NDMC
	BYPL	BRPL				BYPL	BRPL		
<b>1</b>	26	27	28	29	30	31	32	33	34
01.04.22	0.0544	0.0100	0.0000	0.0045	0.0000	0.0000	0.0001	0.0000	0.0000
02.04.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
03.04.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.0000
04.04.22	0.0000	0.0057	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
05.04.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
06.04.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0038	0.0000
07.04.22	0.0000	0.0193	0.0000	0.0000	0.0000	0.0000	0.0000	0.0067	0.0000
08.04.22	0.0000	0.0031	0.0000	0.0000	0.0000	0.0000	0.0047	0.0001	0.0000
09.04.22	0.0000	0.0087	0.0027	0.0000	0.0000	0.0065	0.0000	0.0001	0.0000
10.04.22	0.0000	0.0296	0.0073	0.0000	0.0000	0.0096	0.0000	0.0008	0.0000
11.04.22	0.0000	0.0080	0.0000	0.0000	0.0000	0.0000	0.0033	0.0002	0.0000
12.04.22	0.0000	0.0043	0.0000	0.0000	0.0000	0.0000	0.0000	0.0031	0.0000
13.04.22	0.0000	0.0032	0.0000	0.0000	0.0000	0.0000	0.0007	0.0001	0.0000
14.04.22	0.0004	0.0066	0.0000	0.0000	0.0000	0.0022	0.0000	0.0022	0.0000
15.04.22	0.0082	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
16.04.22	0.0000	0.0000	0.0078	0.0000	0.0000	0.0000	0.0000	0.0097	0.0000
17.04.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
18.04.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.0000
19.04.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
20.04.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0029	0.0000
21.04.22	0.0014	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
22.04.22	0.0069	0.0068	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0000
23.04.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
24.04.22	0.0000	0.1319	0.0000	0.0000	0.0000	0.0000	0.0000	0.0004	0.0000
25.04.22	0.0000	0.0288	0.0000	0.0000	0.0000	0.0000	0.0000	0.0035	0.0000
26.04.22	0.0509	0.0337	0.0012	0.0048	0.0000	0.0000	0.0000	0.0000	0.0000
27.04.22	0.0002	0.0013	0.0071	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
28.04.22	0.0000	0.0044	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0000
29.04.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0034	0.0075	0.0000
30.04.22	0.0000	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0000
<b>TOTAL</b>	<b>0.1225</b>	<b>0.3055</b>	<b>0.0261</b>	<b>0.0093</b>	<b>0.0000</b>	<b>0.0183</b>	<b>0.0122</b>	<b>0.0431</b>	<b>0.0000</b>

ALL FIGURES IN MUS

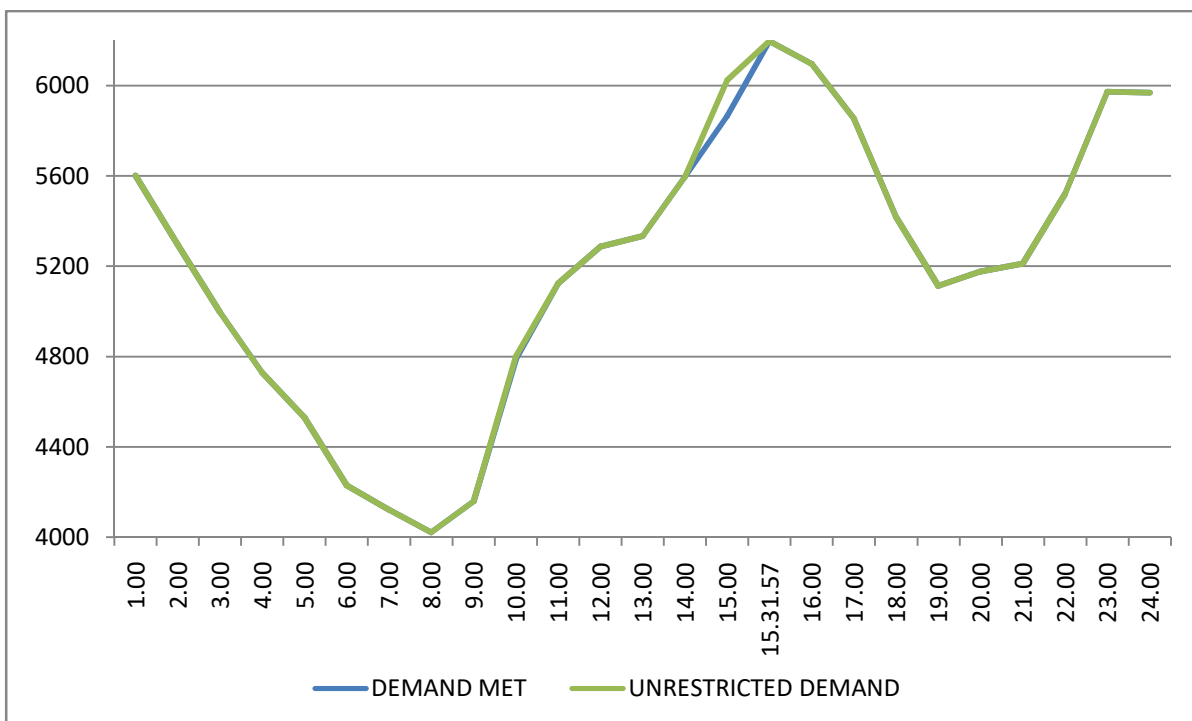
DATE	OTHER AGENCIES LIKE GENCO, BBMB, BTPS ETC.				THEFT PRONE SHEDDING			TOTAL SHEDDING DUE TO T&D CONSTS. & THEFT PRONE	GRAND TOTAL
	BSES		TPDDL	NDMC	BSES		TPDDL		
	BYPL	BRPL			BYPL	BRPL			
1	35	36	37	38	39	40	41	42= 26 to 41	43 = 25 + 42
01.04.22	0.0000	0.0000	0.0003	0.0000	0.0000	0.0000	0.0000	0.0694	0.0694
02.04.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
03.04.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.0006
04.04.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0057	0.0057
05.04.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
06.04.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0038	0.0038
07.04.22	0.0000	0.0000	0.0016	0.0000	0.0000	0.0000	0.0000	0.0276	0.0276
08.04.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0079	0.0119
09.04.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0180	0.0180
10.04.22	0.0000	0.0000	0.0019	0.0000	0.0000	0.0000	0.0000	0.0500	0.0500
11.04.22	0.0000	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000	0.0115	0.0115
12.04.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0075	0.0075
13.04.22	0.0000	0.0006	0.0007	0.0000	0.0000	0.0000	0.0000	0.0053	0.0053
14.04.22	0.0000	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0117	0.0117
15.04.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0082	0.0082
16.04.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0175	0.0175
17.04.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
18.04.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.0006
19.04.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
20.04.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0029	0.0029
21.04.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0014	0.0014
22.04.22	0.0000	0.0000	0.0002	0.0000	0.0000	0.0000	0.0000	0.0141	0.0141
23.04.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
24.04.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1323	0.1323
25.04.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0324	0.0324
26.04.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0907	0.0907
27.04.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0085	0.0085
28.04.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0047	0.0047
29.04.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0109	0.1193
30.04.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0005	0.0005
									0.6560
<b>TOTAL</b>	0.0000	0.0008	0.0048	0.0000	0.0000	0.0000	0.0000	0.5436	<b>0.6560</b>

DATE	(NET CONS.)	MAXI. DEMAND MET DURING THE DAY	TIME OF OCCURRENCE OF MAX DEMAND	SHEDDING AT THIS TIME	UN-RESTRICTED DEMAND	MAXIMUM UN-RESTRICTED DEMAND DURING THE DAY	TIME OF MAX. UN-REST. DEMAND	DEMAND AT THAT TIME	SHEDDING AT THAT TIME
	In Mus.	IN MW	IN HRS.	IN MW	IN MW	IN MW	HRS.	IN MW	IN MW
1	32	33	34	35	36=33+35	37=39+40	38	39	40
01.04.22	95.260	4469	15:41:51	0	4469	4469	15:41:51	4469	0
02.04.22	90.732	4170	15:45:06	0	4170	4170	15:45:06	4170	0
03.04.22	87.247	4219	22:59:14	0	4219	4219	22:59:14	4219	0
04.04.22	95.118	4537	15:42:36	0	4537	4537	15:42:36	4537	0
05.04.22	95.844	4638	15:47:34	0	4638	4638	15:47:34	4638	0
06.04.22	98.048	4762	15:25:13	0	4762	4762	15:25:13	4762	0
07.04.22	99.697	4902	15:21:34	0	4902	4902	15:21:34	4902	0
08.04.22	102.353	5036	15:51:34	0	5036	5036	15:51:34	5036	0
09.04.22	100.900	4832	23:05:47	0	4832	4832	23:05:47	4832	0
10.04.22	99.760	4969	23:20:58	0	4969	4969	23:20:58	4969	0
11.04.22	108.987	5460	15:29:58	0	5460	5460	15:29:58	5460	0
12.04.22	110.568	5231	15:15:31	0	5231	5231	15:15:31	5231	0
13.04.22	111.546	5291	15:15:29	0	5291	5291	15:15:29	5291	0
14.04.22	105.669	5058	0:01:00	0	5058	5058	0:01:00	5058	0
15.04.22	106.062	5069	23:28:35	0	5069	5069	23:28:35	5069	0
16.04.22	102.673	5012	23:42:09	0	5012	5012	23:42:09	5012	0
17.04.22	102.341	5227	23:36:52	0	5227	5227	23:36:52	5227	0
18.04.22	113.557	5640	23:29:14	0	5640	5640	23:29:14	5640	0
19.04.22	114.942	5735	15:30:57	0	5735	5735	15:30:57	5735	0
20.04.22	118.269	5761	15:36:47	0	5761	5761	15:36:47	5761	0
21.04.22	113.189	5657	0:00:15	0	5657	5657	0:00:15	5657	0
22.04.22	108.801	5354	16:06:04	0	5354	5354	16:06:04	5354	0
23.04.22	105.561	5091	0:02:15	0	5091	5091	0:02:15	5091	0
24.04.22	101.329	5229	23:44:31	0	5229	5229	23:44:31	5229	0
25.04.22	111.892	5589	16:05:47	0	5589	5589	16:05:47	5589	0
26.04.22	114.007	5681	15:22:12	0	5681	5681	15:22:12	5681	0
27.04.22	117.515	5786	23:27:25	0	5786	5786	23:27:25	5786	0
28.04.22	121.267	6050	23:17:24	12	6062	6062	23:17:24	6050	12
29.04.22	126.145	6197	15:31:57	0	6197	6197	15:31:57	6197	0
30.04.22	122.091	6036	23:24:19	0	6036	6036	23:24:19	6036	0
<b>TOTAL</b>	<b>3233.370</b>	<b>6197</b>	15.31.57			<b>6197</b>	15.31.57		
		<b>29.04.22</b>							

9. **LOAD PATTERN OF DELHI ON THE DAY OF PEAK DEMAND MET DURING APRIL 2022 ON 29.04.2022 - 6197 MW AT 15.31.57HRS.**

All figures in MW

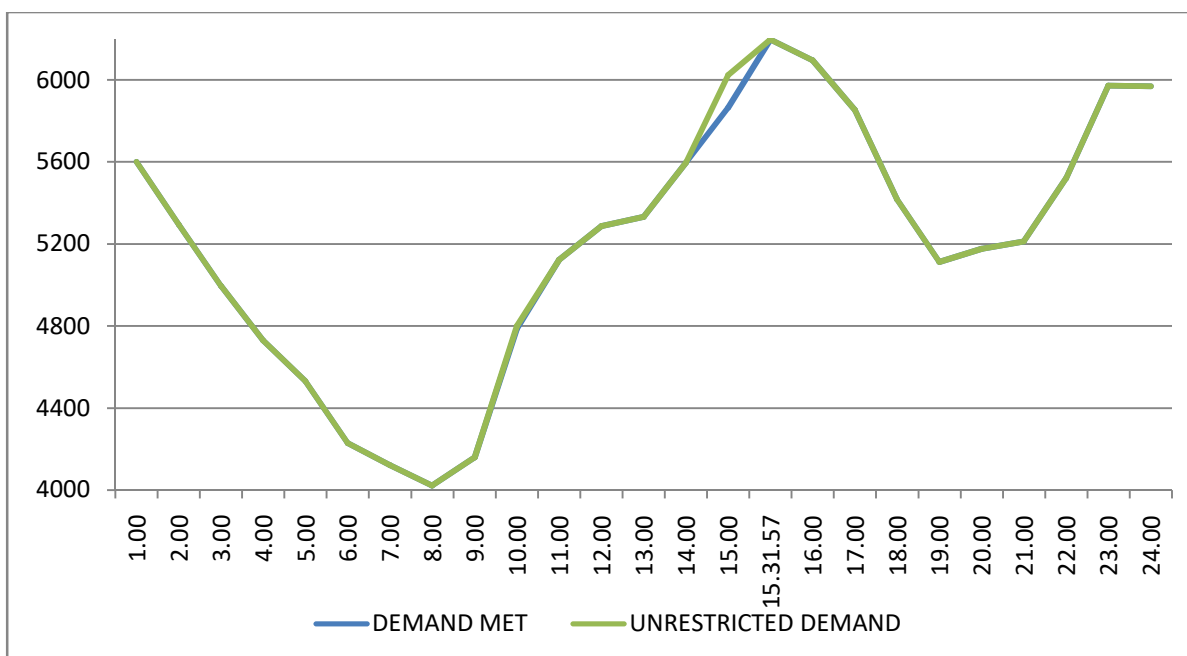
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	5601	0	5601
2.00	5295	0	5295
3.00	4996	0	4996
4.00	4728	0	4728
5.00	4530	0	4530
6.00	4230	0	4230
7.00	4122	0	4122
8.00	4021	0	4021
9.00	4159	0	4159
10.00	4788	13	4801
11.00	5124	0	5124
12.00	5287	0	5287
13.00	5333	0	5333
14.00	5596	0	5596
15.00	5865	159	6024
15.31.57	6197	0	6197
16.00	6096	0	6096
17.00	5854	0	5854
18.00	5417	0	5417
19.00	5112	0	5112
20.00	5176	0	5176
21.00	5212	0	5212
22.00	5520	0	5520
23.00	5972	0	5972
24.00	5969	0	5969
<b>Total (IN MUS)</b>	<b>126.145</b>	<b>0.119</b>	<b>126.264</b>



**10 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UN-RESTRICTED DEMAND DURING APRIL 2022 ON 29.04.2022-6197MW AT 15.31.57HRS.**

**All figures in MW**

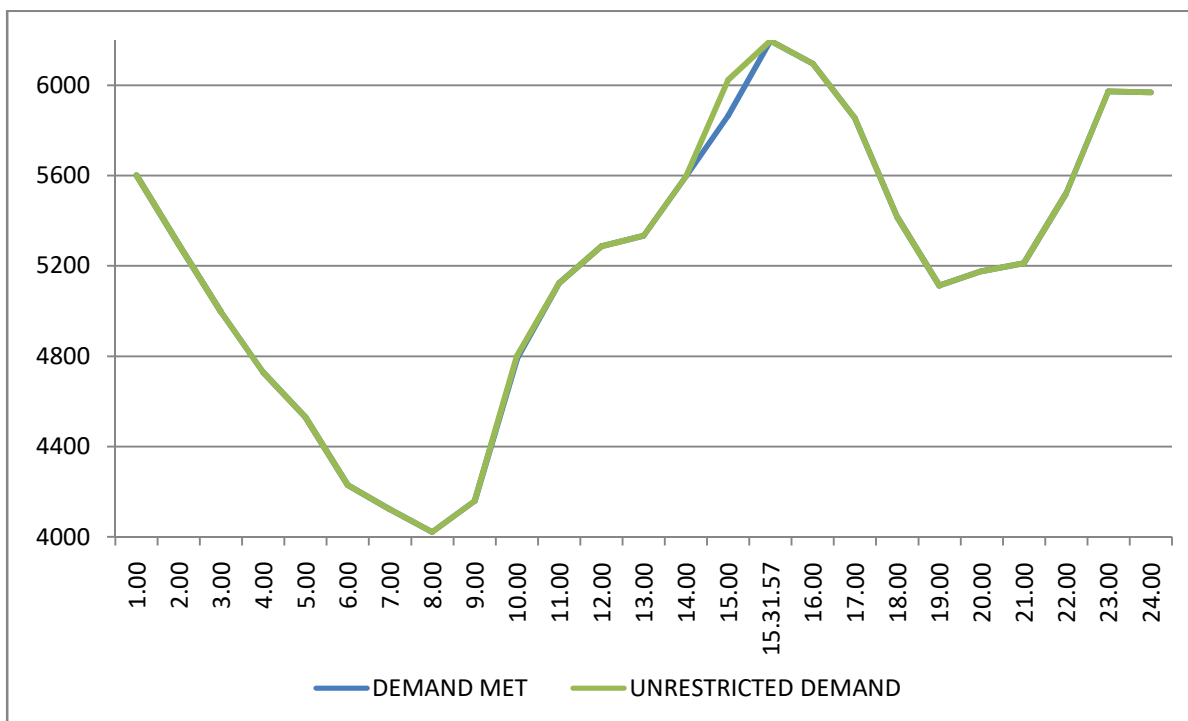
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	5601	0	5601
2.00	5295	0	5295
3.00	4996	0	4996
4.00	4728	0	4728
5.00	4530	0	4530
6.00	4230	0	4230
7.00	4122	0	4122
8.00	4021	0	4021
9.00	4159	0	4159
10.00	4788	13	4801
11.00	5124	0	5124
12.00	5287	0	5287
13.00	5333	0	5333
14.00	5596	0	5596
15.00	5865	159	6024
15.31.57	6197	0	6197
16.00	6096	0	6096
17.00	5854	0	5854
18.00	5417	0	5417
19.00	5112	0	5112
20.00	5176	0	5176
21.00	5212	0	5212
22.00	5520	0	5520
23.00	5972	0	5972
24.00	5969	0	5969
<b>Total (IN MUS)</b>	<b>126.145</b>	<b>0.119</b>	<b>126.264</b>



**11 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM ENERGY CONSUMED DURING APRIL 2022 – 29.04.2022 – 126.145 Mus**

All figures in MW

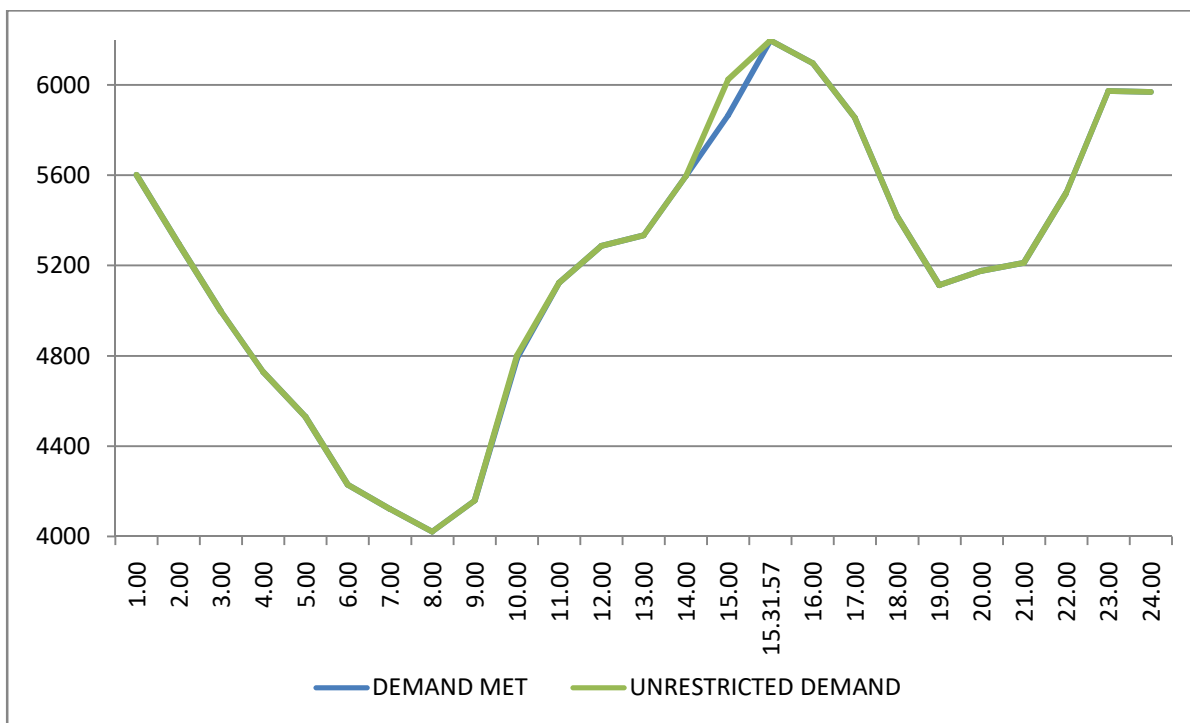
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	5601	0	5601
2.00	5295	0	5295
3.00	4996	0	4996
4.00	4728	0	4728
5.00	4530	0	4530
6.00	4230	0	4230
7.00	4122	0	4122
8.00	4021	0	4021
9.00	4159	0	4159
10.00	4788	13	4801
11.00	5124	0	5124
12.00	5287	0	5287
13.00	5333	0	5333
14.00	5596	0	5596
15.00	5865	159	6024
15.31.57	6197	0	6197
16.00	6096	0	6096
17.00	5854	0	5854
18.00	5417	0	5417
19.00	5112	0	5112
20.00	5176	0	5176
21.00	5212	0	5212
22.00	5520	0	5520
23.00	5972	0	5972
24.00	5969	0	5969
<b>Total (IN MUS)</b>	<b>126.145</b>	<b>0.119</b>	<b>126.264</b>



**12 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UNRESTRICTED ENERGY DEMAND DURING APRIL 2022 - ON 29.04.2022- 126.264-MUs**

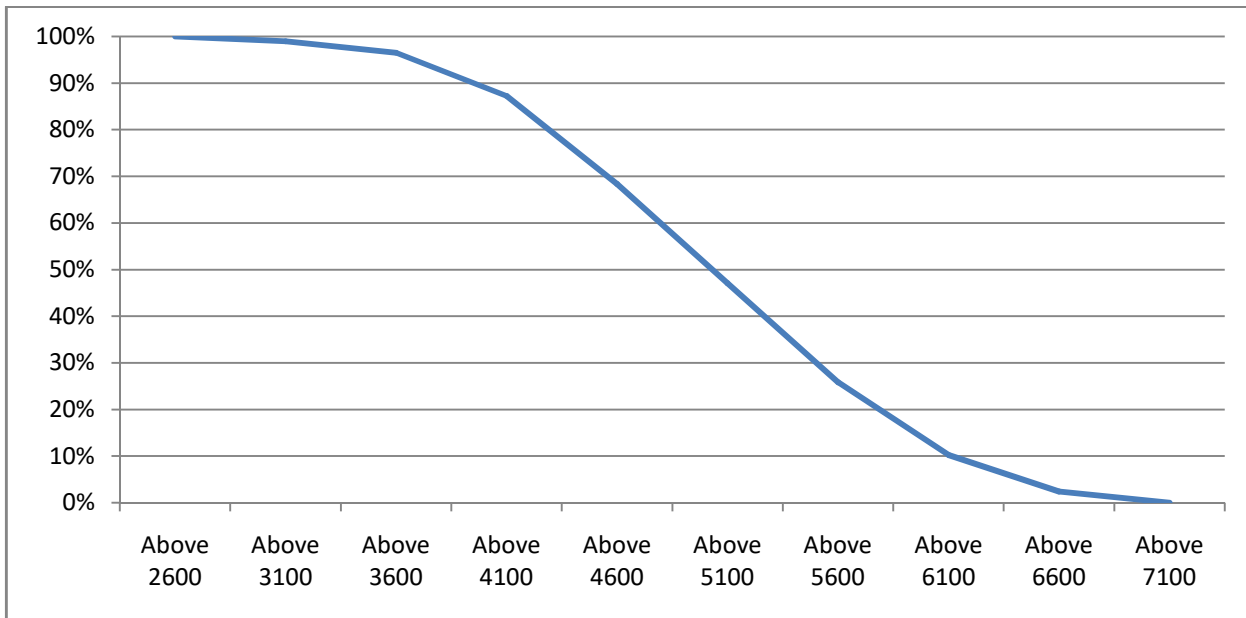
All figures in MW

Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	5601	0	5601
2.00	5295	0	5295
3.00	4996	0	4996
4.00	4728	0	4728
5.00	4530	0	4530
6.00	4230	0	4230
7.00	4122	0	4122
8.00	4021	0	4021
9.00	4159	0	4159
10.00	4788	13	4801
11.00	5124	0	5124
12.00	5287	0	5287
13.00	5333	0	5333
14.00	5596	0	5596
15.00	5865	159	6024
15.31.57	6197	0	6197
16.00	6096	0	6096
17.00	5854	0	5854
18.00	5417	0	5417
19.00	5112	0	5112
20.00	5176	0	5176
21.00	5212	0	5212
22.00	5520	0	5520
23.00	5972	0	5972
24.00	5969	0	5969
<b>Total (IN MUS)</b>	<b>126.145</b>	<b>0.119</b>	<b>126.264</b>



**13 LOAD DURATION CURVE FOR APRIL 2022**

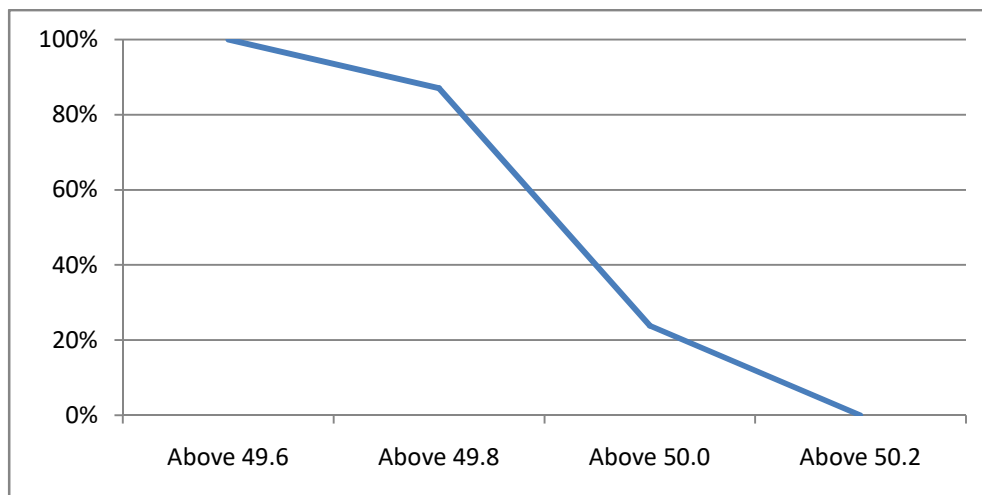
<b>LOAD REMAINED ABOVE IN MW</b>	<b>(%) OF TIME</b>
Above 2600	100%
Above 3100	98.95%
Above 3600	96.47%
Above 4100	87.19%
Above 4600	68.31%
Above 5100	47.07%
Above 5600	25.77%
Above 6100	10.21%
Above 6600	2.42%
Above 7100	0.00%





**14 FREQUENCY ANALYSIS FOR THE MONTH OF APRIL 2022**

<b>FREQUENCY REMAINED ABOVE IN HZ</b>	<b>(%) OF TIME</b>
Above 49.6	100%
Above 49.8	87.04%
Above 50.0	23.87%
Above 50.2	0.00%



**15 VOLTAGE PROFILE OF 220 KV SUB-STATIONS IN DELHI DURING APRIL 2022**

**All figures in kV**

Date	NARELA		GAZIPUR	
	Max	Min	Max	Min
01.04.22	228.3	220.0	233.2	221.3
02.04.22	232.1	221.8	236.5	224.8
03.04.22	230.4	220.5	237.6	224.4
04.04.22	228.7	219.9	236.5	221.6
05.04.22	228.6	218.7	234.4	220.6
06.04.22	228.2	219.6	231.1	220.4
07.04.22	228.3	219.6	233.4	223.1
08.04.22	228.7	219.1	231.7	223.0
09.04.22	226.9	218.3	230.7	222.2
10.04.22	227.2	218.2	231.9	222.8
11.04.22	225.2	217.6	229.6	221.4
12.04.22	227.3	217.8	231.3	223.4
13.04.22	226.8	217.9	233.2	222.6
14.04.22	227.1	220.1	233.5	227.1
15.04.22	225.8	217.9	233.4	225.8
16.04.22	227.3	217.5	234.2	223.3
17.04.22	226.4	216.9	233.4	224.5
18.04.22	224.4	217.5	231.2	222.5
19.04.22	224.3	214.9	230.6	221.6
20.04.22	226.3	215.6	231.4	220.9
21.04.22	226.3	218.1	233.0	224.3
22.04.22	228.3	216.3	234.7	223.4
23.04.22	226.1	217.7	233.6	223.8
24.04.22	226.9	220.3	233.6	226.9
25.04.22	229.0	216.7	235.1	222.2
26.04.22	225.3	214.7	232.0	218.7
27.04.22	226.0	214.4	233.0	218.8
28.04.22	226.7	214.7	232.4	218.7
29.04.22	226.9	215.2	234.3	220.6
30.04.22	226.3	214.7	232.9	219.5

**16 VOLTAGE PROFILE OF 400 KV SUB-STATIONS IN DELHI DURING APRIL 2022**

**All figures in kV**

Date	400kV Bamnauli Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01.04.22	418.3	13:05:31	404.2	19:15:37	411.9
02.04.22	419.0	4:00:14	402.4	10:51:54	410.8
03.04.22	420.0	8:01:07	404.2	22:21:36	412.4
04.04.22	416.8	4:01:01	399.4	19:15:26	408.7
05.04.22	417.1	8:01:31	402.7	19:20:31	410.0
06.04.22	418.6	2:35:42	404.0	22:19:34	411.4
07.04.22	420.1	3:23:06	402.0	22:30:23	411.2
08.04.22	420.2	13:07:54	400.4	22:32:19	409.9
09.04.22	415.8	6:02:43	403.1	0:07:23	409.4
10.04.22	408.6	0:15:27	408.6	0:15:27	408.6
11.04.22	413.9	13:03:10	402.1	19:20:48	408.2
12.04.22	417.1	7:14:50	400.3	23:08:36	408.3
13.04.22	417.3	8:01:51	397.6	22:33:04	408.3
14.04.22	414.8	13:17:54	399.9	23:24:44	408.3
15.04.22	413.3	5:01:56	395.9	22:24:35	406.8
16.04.22	414.0	7:11:51	391.2	23:04:05	404.8
17.04.22	416.6	17:03:36	395.0	23:07:50	407.3
18.04.22	412.0	17:59:16	396.9	14:18:22	403.3
19.04.22	412.1	17:00:19	394.4	10:58:35	403.7
20.04.22	412.6	18:02:10	393.6	10:26:29	404.1
21.04.22	412.5	23:59:59	397.8	11:07:38	404.3
22.04.22	414.3	3:01:52	398.2	11:42:18	407.0
23.04.22	415.0	17:00:49	397.6	11:12:35	406.4
24.04.22	414.7	14:01:52	399.6	23:28:20	407.4
25.04.22	422.2	22:00:42	395.7	11:15:47	406.2
26.04.22	410.8	18:02:07	394.7	9:13:46	404.2
27.04.22	413.2	18:01:31	394.1	10:10:30	404.1
28.04.22	415.9	6:16:52	394.3	12:15:36	404.4
29.04.22	416.3	4:29:31	392.6	9:12:39	404.5
30.04.22	415.0	18:04:30	391.2	9:15:35	404.8

All figures in kV

Date	400kV Bawana Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01.04.22	418.07	4:01:33	403.57	19:17:21	412.79
02.04.22	419.53	13:23:56	405.47	22:28:35	414.07
03.04.22	420.21	8:01:54	403.28	22:21:47	413.17
04.04.22	416.51	8:02:56	398.87	19:12:40	409.17
05.04.22	416.79	8:00:59	398.13	19:20:28	409.04
06.04.22	414.12	8:02:17	400.59	19:20:52	408.57
07.04.22	415.55	13:20:42	397.5	22:12:42	407.58
08.04.22	415.07	13:07:48	397.69	22:29:47	406.02
09.04.22	415.61	13:04:24	398.25	19:17:46	408.24
10.04.22	418.32	13:20:21	396.82	22:35:05	408.81
11.04.22	415.52	13:17:08	398.84	19:20:48	406.1
12.04.22	414.33	13:21:13	398.26	19:26:44	406.62
13.04.22	413.91	8:03:09	398.6	22:32:59	407.19
14.04.22	414.65	13:17:53	400.28	22:48:07	408
15.04.22	412.86	13:19:48	396.88	22:24:59	406.6
16.04.22	413.69	13:06:32	395.56	23:04:36	406.12
17.04.22	417.48	13:18:37	396.09	23:07:36	407.62
18.04.22	411.52	17:59:27	399.18	0:00:00	404.85
19.04.22	411.59	17:01:43	399.25	10:58:23	405.31
20.04.22	412.13	18:02:05	399.64	10:27:32	406.25
21.04.22	413.27	13:13:11	401.09	19:14:52	406.67
22.04.22	414.17	0:28:09	400.59	11:41:39	407.98
23.04.22	414.83	17:00:57	402.44	11:09:18	408.35
24.04.22	416.16	13:51:18	403.84	22:18:08	409.26
25.04.22	418.38	22:00:18	399.9	11:15:52	408.01
26.04.22	412.61	4:02:57	401.51	14:12:14	407.44
27.04.22	414.1	4:03:39	400.11	11:38:40	407.69
28.04.22	416.23	7:31:10	398.08	14:36:44	406.23
29.04.22	414.58	18:02:00	400.52	0:08:02	407.6
30.04.22	414.63	18:04:34	398.22	10:29:10	407.92

17 **DETAILS OF BREAK-DOWNS/TRIPPING DURING THE MONTH OF APRIL 2022**

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
1	1.4.22	12:34	220 KV PATPARGANJ - I.P. CKT-I	1.4.22	13:42	Tripped on Distance protection relay Z-4 RYB Phase, Kite thread/Manja found on 220kV Bus at IP.
2	1.4.22	12:34	220 KV PATPARGANJ - I.P. CKT-II	1.4.22	13:18	Tripped on Distance protection relay Z-4 RYB Phase, Kite thread/Manja found on 220kV Bus at IP.
3	4.4.22	14:50	MEHRAULI 220/66kV 100MVA Tx-I	4.4.22	15:00	Tr. Tripped on O/C, B phase
4	7.4.22	14:17	220kV BAMNAULI-NAJAFGARH CKT-I	7.4.22	16:52	Tripped on 86
5	8.4.22	7:55	INDRAPRASTHA POWER 220/33kV 100MVA Tx-III	8.4.22	8:15	Tripped without Indication
6	9.4.22	13:22	220kV BAMNAULI-PAPPANKALAN-II CKT-I	9.4.22	16:56	Tripped on below mentioned relay Indications PPK End :- YB phase, Z-I, differential. Bamnauli End :- YB Phase, Z-I, distance 5.09 KM.
7	10.4.22	13:24	220kV MEHRAULI - TUGLAKABAD CKT. -II	10.4.22	17:26	AT TUGLAKABAD : DIST PROT, ZONE-II, DIST 8.8KM.
8	10.4.22	20:48	MEHRAULI 220/66kV 100MVA Tx-I	10.4.22	22:04	Transformer tripped on O/C, R & B phase
9	10.4.22	21:38	MEHRAULI 220/66kV 160MVA Tx-I	10.4.22	22:00	Transformer tripped on O/C , Y Phase
10	11.04.22	13:37	220kV BAMNAULI-NAJAFGARH CKT-I	11.04.22	13:40	BCU tripped at Bamnauli
11	11.04.22	13:37	220kV BAMNAULI-NAJAFGARH CKT-I	11.04.22	13:40	BCU tripped at Bamnauli
12	12.04.22	17:55	33kV I/C-3 of 100MVA-III at Majid Moth	12.04.22	19:00	33kV I/C tripped on 86 & Y phase CT blast on 33kV Balaji ckt.
13	13.04.22	12:10	220kV panipat -narela ckt-II	13.04.22	16:40	Narela:Distance protection, Zone-I R Phase, 186, Dist 41.5kM.
14	13.04.22	15:00	33kV I/C-3 of 100MVA-III at Majid Moth	13.04.22	15:30	33kV I/C tripped on O/C ,E/F ,ABC Phase , 86.Disc insulators of 33kV busbar affected.
15	22.4.22	6:30	220kV GEETA COLONY-PATPARGANJ CKT -II	22.4.22	10:36	Tripped on below mentioned relay Indications Geeta Colony End :- ABC phase, O/C, E/F, SOTF, 27 RYB .
16	24.4.22	22:05	LODHI RD 220/33kV 100MVA Tx-I	25.4.22	13:22	Transformer tripped on Differential relay, RYB phase, REF, protection 86 B (LV REF)
17	24.4.22	10.42	MEHRAULI 220/66kV 160MVA Tx-IV	24.4.22	13.09	Tr. tripped on 86, Y –phase CT of 66kV Vasant Kunj C block ckt-II blasted and Fire reported in the Mehrauli yard
18	24.4.22	10.42	MEHRAULI 66kV I/C OF 220/66kV 100MVA Tx-II	24.4.22	14:30	66kV Incomer-II tripped on O/C , Y- phase, Y –phase CT of 66kV Vasant Kunj C block ckt-II blasted and Fire reported in the Mehrauli yard

**18      DETAILS OF UNDER FREQUENCY RELAY OPERATIONS IN DELHI POWER SYSTEM DURING THE MONTH OF APRIL 2022**

DATE	S. N.	TIME		Name of Grid	NAME OF AFFECTED FEEDERS	MODE	LOAD RELIEF IN MW
		OUT	IN				
				NIL			