

# **DELHI TRANSCO LTD.**

STATE LOAD DISPATCH CENTER

## **PROGRESS REPORT**

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**AUGUST 2023**

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## SALIENT FEATURES OF DELHI POWER SYSTEM

Sr. No.	Features	AUG. 2022	AUG. 2023
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
	TWEPL	--	25
	Total	2156	<b>2181</b>
2	<b>Maximum Unrestricted Demand (MW)</b>	<b>6446</b>	<b>7437</b>
	Date	10.08.2022	22.08.2023
	Time	23.26.35	15.16.34
3	<b>Peak Demand met (MW)</b>	<b>6446</b>	<b>7437</b>
	Date	10.08.2022	22.08.2023
	Time	23.26.35	15.16.34
4	Peak Availability (MW)	6183	7404
5	Shortage (-) / Surplus (+) in MW	(-) 263	(-) 33
6	Percentage Shortage (-) / Surplus (+)	(-) 4.08	(-) 0.44
7	Maximum Energy Consume in a day (Mus)	131.747	149.697
8	Energy Consumed during the month	<b>3699.366</b>	<b>4104.623</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		
	TPDDL	0.000	0.000
	BRPL	0.000	0.000
	BYPL	0.000	0.000
	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>0.000</b>
B)	Due to Constraints in System in Mus		
	DTL	0.545	0.403
	TPDDL	0.041	0.109
	BRPL	0.001	0.211
	BYPL	0.054	0.049
	NDMC	0.000	0.000
	MES	0.000	0.000
	Other Agencies	0.0002	.0005
	<b>Total</b>	<b>0.641</b>	<b>0.7725</b>
10	<b>Grand Total in Mus</b>	<b>0.641</b>	<b>0.7725</b>

**2. PERFORMANCE OF GENERATING STATIONS WITHIN DELHI DURING AUGUST 2023**

**A) For the month of August 2023**

**All Figures in MUs**

<b>S. No</b>	<b>Stations</b>	<b>Gross Generation</b>	<b>Aux. Consumption</b>	<b>Net Generation</b>	<b>Plant Availability factor for the month (%)</b>	<b>Backing Down</b>
<b>1.</b>	<b>RPH</b>	0.000	0.124	-0.124	--	--
<b>2.</b>	<b>GT</b>	26.260	1.618	24.642	81.56	28.910
<b>3.</b>	<b>PPCL</b>	196.158	3.057	193.101	96.82	38.142
<b>4.</b>	<b>Bawana</b>	306.433	9.215	297.218	95.03	459.424
	<b>TOTAL</b>	<b>528.851</b>	<b>14.014</b>	<b>514.837</b>	--	<b>526.476</b>

**WASTE TO ENERGY GENERATING PLANTS WITHIN DELHI**

<b>S. No</b>	<b>Stations</b>	<b>Gross Generation</b>	<b>Aux. Consumption</b>	<b>Net Generation</b>
<b>5.</b>	<b>Towmcl</b>	13.148	2.014	11.134
<b>6.</b>	<b>EDWPCL</b>	1.249	0.407	0.842
<b>7.</b>	<b>DMSWL</b>	13.660	2.319	11.341
<b>8.</b>	<b>TWEPL</b>	17.194	1.833	15.361
	<b>TOTAL</b>	<b>45.251</b>	<b>6.573</b>	<b>38.678</b>

**B) For the Year 2023-24 (Upto August 2023)**

Power Station	Effective Capacity (MW)	Net Generation in MUs for Aug. 2023	Availability (%) for Aug. 2023	Cumulative Generation in MUs upto Aug. 2023 for the year 2023-24	Cumulative Availability in % upto Aug. 2023 for the year 2023-24
<b>RPH</b>	135	-0.124	--	-0.488	--
<b>GT</b>	90	24.642	81.56	99.964	90.50
<b>PPCL</b>	330	193.101	96.82	404.91	95.82
<b>Bawana</b>	1372	297.218	95.03	654.517	93.07
<b>TOTAL</b>	1927	<b>514.837</b>	--	1158.903	--

**WASTE TO ENERGY GENERATING PLANTS WITHIN DELHI**

Power Station	Effective Capacity (MW)	Net Generation in MUs for Aug. 2023	Cumulative Generation in MUs upto Aug. 2023 for the year 2023-24
<b>Towmcl</b>	16	11.134	60.285
<b>EDWPCL</b>	10	0.842	15.489
<b>DMSWL</b>	24	11.341	60.526
<b>TWEPL</b>	25	15.361	82.648
<b>TOTAL</b>	<b>75</b>	<b>38.678</b>	<b>218.948</b>

### 3 DETAILS OF OUTAGES OF GENERATING STNS. WITHIN DELHI FOR AUGUST 2023

#### 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	01.08.23	00.00	31.08.23	23.59	Stopped due to low demand.
2	30	NIL				
3	30	NIL				
4	30	NIL				
5	30	NIL				
6	30	03.08.23	06.15	03.08.23	10.13	Unit stopped due to critical hot spot.
STG-1	30	NIL				
STG-2	30	NIL				
STG-3	30	03.08.23	06.15	03.08.23	11.55	Unit stopped due to critical hot spot.

#### (C) PRAGATI

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	104	02.08.23	03.11	02.08.23	04.07	Stopped due to internal fault
		02.08.23	04.50	02.08.23	10.24	Stopped due to internal fault
		14.08.23	18.55	16.08.23	06.42	Stopped due to low demand.
2	104	19.08.23	05.54	19.08.23	06.45	Tripped due to gird disturbance
STG	122	19.08.23	05.54	19.08.23	10.23	Tripped due to gird disturbance

**(D) BAWANA CCGT POWER STATION**

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	216	18.08.23	07.02	19.08.23	15.00	Due to oil leakage in hydraulic line and seize of Hydraulic pump of GT#1
2	216	18.08.23	08:38	18.08.23	09:42	Due to low gas fuel pressure reasoning valve malfunctioning at GAIL end.
3	216	NIL				
4	216	NIL				
STG -1	254	18.08.23	07.02	19.08.23	15.00	½ GT out due to outage of GT-1
		18.08.23	08:42	18.08.23	11.15	½ GT out due to outage of GT-2
		24.08.23	11.13	24.08.23	22.05	Due to fire in drier system of STG#1 near MOT tank.
STG -2	254	NIL				

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		
Kahalgaoon-I	840	6.07	50.99	43.92	25.40	30.68	0.00	0.00		
Kahalgaoon-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 AUGUST 2023**

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	TWE PL	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	15.17.52	33	263	273	17	3	15	11	615	6223	6082	141	6838	0	6838
2	15.14.23	33	265	273	17	4	16	19	627	6478	6463	15	7105	0	7105
3	16.11.32	34	263	271	19	4	15	21	627	6391	6189	202	7018	0	7018
4	15.27.29	34	264	274	14	3	21	27	637	5973	5780	193	6610	0	6610
5	23.21.07	35	264	271	18	5	17	23	633	5518	5476	42	6151	0	6151
6	23.08.14	34	263	270	18	8	19	24	636	5586	5543	43	6222	0	6222
7	15.23.15	33	263	272	19	0	18	20	625	5705	5668	37	6330	0	6330
8	15.15.02	34	265	273	9	0	18	9	608	5765	5731	34	6373	0	6373
9	15.13.44	34	262	273	17	0	16	17	619	5753	5857	-104	6372	0	6372
10	15.30.24	34	263	280	1	0	18	19	615	6034	5917	117	6649	0	6649
11	15.30.45	35	264	300	12	0	15	22	648	6022	6030	-8	6670	0	6670
12	00.02.42	35	262	340	13	0	19	23	692	5682	5629	53	6374	0	6374
13	23.17.00	35	264	472	14	0	18	13	816	5382	5331	51	6198	0	6198
14	15.30.59	34	263	474	15	0	16	18	820	5391	5316	75	6211	0	6211
15	00.00.58	36	152	474	15	0	18	20	715	5323	5104	219	6038	0	6038
16	23.00.07	35	304	634	10	0	19	19	1021	5784	5675	109	6805	0	6805
17	22.58.54	35	304	632	19	0	17	18	1025	5932	5955	-23	6957	0	6957
18	15.12.22	34	262	305	17	0	14	20	652	6508	6399	109	7160	0	7160
19	00.01.15	35	264	337	17	0	17	17	687	6223	6103	120	6910	0	6910
20	22.56.35	35	264	472	19	0	15	19	824	5957	5906	51	6781	0	6781
21	15.15.19	33	293	495	15	0	17	23	876	6411	6365	46	7287	0	7287
22	15.16.34	34	297	825	18	0	13	23	1210	6227	6194	33	7437	0	7437
23	00.01.34	36	293	911	18	0	16	23	1297	5049	5339	-290	6346	12	6358
24	15.37.13	33	266	241	18	0	-2	23	579	5409	5378	31	5988	0	5988
25	15.19.12	34	263	272	18	0	7	24	618	5634	5615	19	6252	0	6252
26	23.14.40	35	263	311	18	0	-1	23	649	5365	5415	-50	6014	0	6014
27	23.15.14	35	264	271	19	0	19	21	629	5244	5311	-67	5873	0	5873
28	23.18.34	36	264	312	19	0	18	22	671	5797	5803	-6	6468	0	6468
29	23.20.52	35	264	574	19	0	18	22	932	5557	5548	9	6489	0	6489
30	00.00.22	36	263	502	16	0	19	26	862	5491	5301	190	6353	0	6353
31	22.52.00	35	263	468	18	0	19	25	828	5876	5801	75	6704	0	6704

**POWER AVAILABILITY- DEMAND POSITION AT THE TIME OF MAXIMUM UNRESTRICTED DEMAND DURING AUGUST 2023**

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	TWE PL	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	15.17.52	33	263	273	17	3	15	11	615	6223	6082	141	6838	0	6838
2	15.14.23	33	265	273	17	4	16	19	627	6478	6463	15	7105	0	7105
3	16.11.32	34	263	271	19	4	15	21	627	6391	6189	202	7018	0	7018
4	15.27.29	34	264	274	14	3	21	27	637	5973	5780	193	6610	0	6610
5	23.21.07	35	264	271	18	5	17	23	633	5518	5476	42	6151	0	6151
6	23.08.14	34	263	270	18	8	19	24	636	5586	5543	43	6222	0	6222
7	15.23.15	33	263	272	19	0	18	20	625	5705	5668	37	6330	0	6330
8	15.15.02	34	265	273	9	0	18	9	608	5765	5731	34	6373	0	6373
9	15.13.44	34	262	273	17	0	16	17	619	5753	5857	-104	6372	0	6372
10	15.30.24	34	263	280	1	0	18	19	615	6034	5917	117	6649	0	6649
11	15.30.45	35	264	300	12	0	15	22	648	6022	6030	-8	6670	0	6670
12	00.02.42	35	262	340	13	0	19	23	692	5682	5629	53	6374	0	6374
13	23.17.00	35	264	472	14	0	18	13	816	5382	5331	51	6198	0	6198
14	15.30.59	34	263	474	15	0	16	18	820	5391	5316	75	6211	0	6211
15	00.00.58	36	152	474	15	0	18	20	715	5323	5104	219	6038	0	6038
16	23.00.07	35	304	634	10	0	19	19	1021	5784	5675	109	6805	0	6805
17	22.58.54	35	304	632	19	0	17	18	1025	5932	5955	-23	6957	0	6957
18	15.12.22	34	262	305	17	0	14	20	652	6508	6399	109	7160	0	7160
19	00.01.15	35	264	337	17	0	17	17	687	6223	6103	120	6910	0	6910
20	22.56.35	35	264	472	19	0	15	19	824	5957	5906	51	6781	0	6781
21	15.15.19	33	293	495	15	0	17	23	876	6411	6365	46	7287	0	7287
22	15.16.34	34	297	825	18	0	13	23	1210	6227	6194	33	7437	0	7437
23	00.01.34	36	293	911	18	0	16	23	1297	5049	5339	-290	6346	12	6358
24	15.37.13	33	266	241	18	0	-2	23	579	5409	5378	31	5988	0	5988
25	15.19.12	34	263	272	18	0	7	24	618	5634	5615	19	6252	0	6252
26	23.14.40	35	263	311	18	0	-1	23	649	5365	5415	-50	6014	0	6014
27	23.15.14	35	264	271	19	0	19	21	629	5244	5311	-67	5873	0	5873
28	23.18.34	36	264	312	19	0	18	22	671	5797	5803	-6	6468	0	6468
29	23.20.52	35	264	574	19	0	18	22	932	5557	5548	9	6489	0	6489
30	00.00.22	36	263	502	16	0	19	26	862	5491	5301	190	6353	0	6353
31	22.52.00	35	263	468	18	0	19	25	828	5876	5801	75	6704	0	6704

**SOURCEWISE SCHEDULED DRAWL FROM NORTHERN GRID AS WELL AS AVAILABILITY WITHIN DELHI FOR AUGUST 2023**

(ALL FIGURES IN MUS)

<b>GENERATION WITHIN DELHI</b>	<b>AVAILABILITY</b>	<b>SCHEDULE</b>
Rajghat Power House	0.000	0.000
Gas Turbine	53.510	24.600
Pragati-I	231.200	193.058
Pragati-III (Bawana)	754.290	294.866
Rithala	0.000	0.000
Badarpur	0.000	0.000
Renewable (include WTE)	38.330	38.330
<b>TOTAL DELHI GEN.</b>	<b>1077.330</b>	<b>550.854</b>

<b>NAME OF STATION</b>	<b>AVAILABILITY</b>	<b>SCHEDULE</b>
ANTA G-GF	26.040	0.000000
ANTA G-LF		0.000000
ANTA G-RF		1.896898
ANTA CRF		1.900399
AURIYA G-GF	45.430	0.000000
AURIYA G-LF		0.000000
AURIYA G-RF		3.929531
AURIYA CRF		2.846285
DADRI G -GF	57.680	0.000
DADRI G -LF		0.000
DADRI G -RF		6.455251
DADRI CRF		4.416510
SINGRAULI STPS	103.500	99.990886
RIHAND STPS	62.600	58.295639
RIHAND-II STPS	88.310	83.259999
RIHAND -III STPS	93.100	87.992101
DADRI-II	534.820	391.961674
UNCHAHAAR-I TPS	13.840	9.822800
UNCHAHAAR-II TPS	31.490	24.850469
UNCHAHAAR-III TPS	20.390	14.580166
UNCHAHAAR-IV TPS	0.000	0.000
JHAJJAR	383.880	383.880606
MEJA TPS	0.000	0.000
TRANDA-II TPS	0.000	0.000
FARAKA	10.490	8.330774
KAHALGAON-I	25.320	20.011261
KAHALGAON-II	110.330	90.024049

<b>NAME OF STATION</b>	<b>AVAILABILITY</b>	<b>SCHEDULE</b>
SASAN	304.690	304.605691
NABINAGAR STPS (BRBCL)	11.170	11.4495474
BAIRASIUL HEP	6.660	6.660612
SALAL HEP	61.620	61.617748
TANAKPUR HEP	8.310	8.309808
CHAMERA HEP	28.150	28.149156
CHAMERA HEP-II	28.270	28.267914
CHAMERA-III	19.980	19.982527
URI HEP	29.920	29.919780
URI-II HEP	20.480	20.479778
SEWA-II	5.730	5.730068
DHAULIGANGA HEP	27.120	27.123168
DULHASTI HEP	34.230	34.225346
PARVATI-III	1.410	1.413586
NATHPA JHAKRI HEP	113.710	113.707011
TEHRI HEP	41.650	41.6473153
KOTESWAR	22.620	22.6211283
SINGRAULI SHEP	0.600	0.6024666
TALA	19.140	19.137526
KISHAN GANGA	0.000	0.000
KOLDAM	0.000	0.000
RAMPUR	0.000	0.000
NAPP	26.430	26.426588
RAPP C	38.050	38.053705
RAPPPB-4 C	0.000	0.000
KUDGI STPS-I	46.730	46.730
<b>Total</b>	<b>2503.890</b>	<b>2191.306</b>
<b>LTA</b>	<b>1012.06</b>	<b>1012.06</b>
<b>Short Term (Purchase)</b>	<b>903.96</b>	<b>903.96</b>
<b>Short Term (Sale)</b>		<b>-470.492</b>
<b>TOTAL AVAILABILITY</b>	<b>5497.240</b>	<b>4187.688</b>

**8. SHEDDING DETAILS DURING THE MONTH OF AUGUST 2023**

**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
01.08.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
02.08.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
03.08.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
04.08.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
05.08.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
06.08.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
07.08.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
08.08.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
09.08.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10.08.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11.08.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12.08.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
13.08.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14.08.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15.08.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
16.08.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17.08.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
18.08.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
19.08.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20.08.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
21.08.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22.08.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
23.08.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
24.08.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25.08.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
26.08.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27.08.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
28.08.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
29.08.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30.08.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
31.08.23	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



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		TPDDL	BSES		TPDDL	NDMC		
	BYPL	BRPL			BYPL	BRPL		BYPL	BRPL				
<b>1</b>	13	14	15	16	17	18	19	20	21	22	23	24=8 to 23	25=7+24
01.08.23	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
02.08.23	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
03.08.23	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
04.08.23	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
05.08.23	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
06.08.23	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
07.08.23	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
08.08.23	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
09.08.23	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
10.08.23	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
11.08.23	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
12.08.23	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
13.08.23	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
14.08.23	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
15.08.23	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
16.08.23	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
17.08.23	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
18.08.23	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
19.08.23	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
20.08.23	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
21.08.23	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
22.08.23	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
23.08.23	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
24.08.23	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
25.08.23	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
26.08.23	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
27.08.23	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
28.08.23	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
29.08.23	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
30.08.23	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
31.08.23	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	0.000	0.000

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	<b>30</b>	31	32	33	34
01.08.23	0.022	0.022	0.000	0.000	0.000	0.000	0.011	0.000	0.000
02.08.23	0.000	0.000	0.000	0.000	0.000	0.000	0.034	0.000	0.000
03.08.23	0.000	0.028	0.000	0.000	0.000	0.000	0.000	0.000	0.000
04.08.23	0.000	0.004	0.010	0.000	0.000	0.000	0.000	0.008	0.000
05.08.23	0.000	0.000	0.000	0.000	0.000	0.000	0.005	0.000	0.000
06.08.23	0.000	0.011	0.000	0.000	0.000	0.000	0.000	0.000	0.000
07.08.23	0.000	0.000	0.000	0.000	0.000	0.000	0.005	0.000	0.000
08.08.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
09.08.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10.08.23	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000
11.08.23	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.000
12.08.23	0.009	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
13.08.23	0.000	0.000	0.004	0.000	0.000	0.000	0.005	0.000	0.000
14.08.23	0.001	0.000	0.004	0.000	0.000	0.000	0.000	0.002	0.000
15.08.23	0.000	0.001	0.008	0.000	0.000	0.000	0.000	0.001	0.000
16.08.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17.08.23	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.036	0.000
18.08.23	0.001	0.000	0.005	0.000	0.000	0.018	0.005	0.050	0.000
19.08.23	0.005	0.002	0.000	0.000	0.000	0.000	0.003	0.000	0.000
20.08.23	0.000	0.009	0.000	0.000	0.000	0.000	0.007	0.003	0.000
21.08.23	0.007	0.048	0.000	0.000	0.000	0.011	0.031	0.000	0.000
22.08.23	0.000	0.000	0.086	0.000	0.000	0.000	0.016	0.000	0.000
23.08.23	0.028	0.000	0.000	0.000	0.000	0.006	0.034	0.005	0.000
24.08.23	0.000	0.000	0.002	0.000	0.000	0.000	0.000	0.000	0.000
25.08.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.000
26.08.23	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.000	0.000
27.08.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
28.08.23	0.000	0.028	0.036	0.000	0.000	0.000	0.013	0.000	0.000
29.08.23	0.000	0.008	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30.08.23	0.000	0.010	0.003	0.000	0.000	0.013	0.006	0.000	0.000
31.08.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>TOTAL</b>	0.074	0.171	0.158	0.000	0.000	0.049	0.211	0.109	0.000

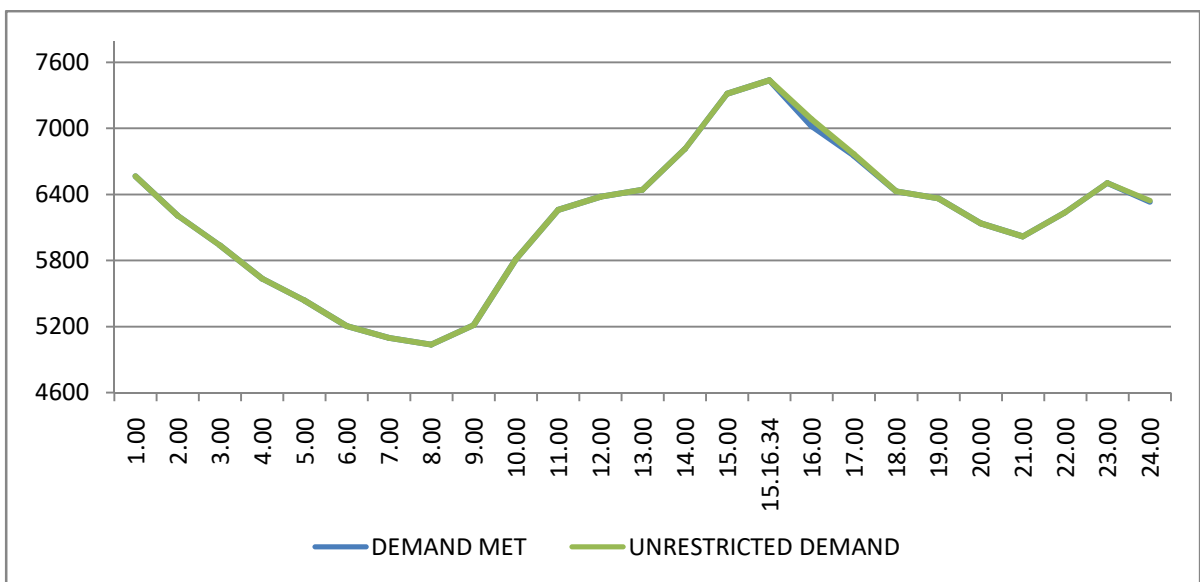
DATE	OTHER AGENCIES LIKE GENCO, BBMB, BTPS ETC.				THEFT PRONE SHEDDING			TOTAL SHEDDING DUE TO T&D CONSTS. & THEFT PRONE	GRAND TOTAL
	BSES		TPDDL	NDMC	BSES		TPDDL		
	BYPL	BRPL			BYPL	BRPL			
1	35	36	37	38	39	40	41	42= 26 to 41	43 = 25 + 42
01.08.23	0.000	0.000	0.0000	0.000	0.000	0.000	0.000	0.056	0.056
02.08.23	0.000	0.000	0.0000	0.000	0.000	0.000	0.000	0.034	0.034
03.08.23	0.000	0.000	0.0000	0.000	0.000	0.000	0.000	0.028	0.028
04.08.23	0.000	0.000	0.0000	0.000	0.000	0.000	0.000	0.022	0.022
05.08.23	0.000	0.000	0.0002	0.000	0.000	0.000	0.000	0.005	0.005
06.08.23	0.000	0.000	0.0000	0.000	0.000	0.000	0.000	0.011	0.011
07.08.23	0.000	0.000	0.0000	0.000	0.000	0.000	0.000	0.005	0.005
08.08.23	0.000	0.000	0.0000	0.000	0.000	0.000	0.000	0.000	0.000
09.08.23	0.000	0.000	0.0000	0.000	0.000	0.000	0.000	0.000	0.000
10.08.23	0.000	0.000	0.0000	0.000	0.000	0.000	0.000	0.010	0.010
11.08.23	0.000	0.000	0.0000	0.000	0.000	0.000	0.000	0.001	0.001
12.08.23	0.000	0.000	0.0000	0.000	0.000	0.000	0.000	0.010	0.010
13.08.23	0.000	0.000	0.0000	0.000	0.000	0.000	0.000	0.009	0.009
14.08.23	0.000	0.000	0.0004	0.000	0.000	0.000	0.000	0.007	0.007
15.08.23	0.000	0.000	0.0000	0.000	0.000	0.000	0.000	0.010	0.010
16.08.23	0.000	0.000	0.0000	0.000	0.000	0.000	0.000	0.000	0.000
17.08.23	0.000	0.000	0.0000	0.000	0.000	0.000	0.000	0.040	0.040
18.08.23	0.000	0.000	0.0000	0.000	0.000	0.000	0.000	0.080	0.080
19.08.23	0.000	0.000	0.0000	0.000	0.000	0.000	0.000	0.010	0.010
20.08.23	0.000	0.000	0.0000	0.000	0.000	0.000	0.000	0.019	0.019
21.08.23	0.000	0.000	0.0000	0.000	0.000	0.000	0.000	0.097	0.097
22.08.23	0.000	0.000	0.0000	0.000	0.000	0.000	0.000	0.102	0.102
23.08.23	0.000	0.000	0.0000	0.000	0.000	0.000	0.000	0.074	0.074
24.08.23	0.000	0.000	0.0000	0.000	0.000	0.000	0.000	0.002	0.002
25.08.23	0.000	0.000	0.0000	0.000	0.000	0.000	0.000	0.003	0.003
26.08.23	0.000	0.000	0.0000	0.000	0.000	0.000	0.000	0.020	0.020
27.08.23	0.000	0.000	0.0000	0.000	0.000	0.000	0.000	0.000	0.000
28.08.23	0.000	0.000	0.0000	0.000	0.000	0.000	0.000	0.076	0.076
29.08.23	0.000	0.000	0.0000	0.000	0.000	0.000	0.000	0.008	0.008
30.08.23	0.000	0.000	0.0000	0.000	0.000	0.000	0.000	0.033	0.033
31.08.23	0.000	0.000	0.0000	0.000	0.000	0.000	0.000	0.000	0.000
<b>TOTAL</b>	0.000	0.000	0.0005	0.000	0.000	0.000	0.000	0.772	0.772

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
01.08.23	137.902	6838	15:17:52	0	6838	6838	15:17:52	6838	0
02.08.23	139.880	7105	15:14:23	0	7105	7105	15:14:23	7105	0
03.08.23	140.176	7018	16:11:32	0	7018	7018	16:11:32	7018	0
04.08.23	134.879	6610	15:27:29	0	6610	6610	15:27:29	6610	0
05.08.23	127.861	6150	23:21:07	0	6150	6150	23:21:07	6150	0
06.08.23	123.883	6223	23:08:14	0	6222.52	6223	23:08:14	6223	0
07.08.23	129.619	6331	15:23:00	0	6331	6331	15:23:00	6331	0
08.08.23	131.241	6372	15:15:02	0	6372	6372	15:15:02	6372	0
09.08.23	134.221	6372	15:13:44	0	6372.3	6372	15:13:44	6372	0
10.08.23	132.685	6649	15:30:24	0	6649	6649	15:30:24	6649	0
11.08.23	136.838	6670	15:30:45	0	6670	6670	15:30:45	6670	0
12.08.23	129.581	6373	0:02:42	0	6373	6373	0:02:42	6373	0
13.08.23	123.180	6197	23:17:00	0	6197	6197	23:17:00	6197	0
14.08.23	129.874	6210	15:30:59	0	6210	6210	15:30:59	6210	0
15.08.23	113.680	6037	0:00:58	0	6037	6037	0:00:58	6037	0
16.08.23	133.040	6804	23:00:07	0	6804	6804	23:00:07	6804	0
17.08.23	141.511	6957	22:58:54	0	6957	6957	22:58:54	6957	0
18.08.23	147.824	7160	15:12:22	0	7160	7160	15:12:22	7160	0
19.08.23	140.933	6910	0:01:15	0	6910	6910	0:01:15	6910	0
20.08.23	129.822	6781	22:56:35	0	6781	6781	22:56:35	6781	0
21.08.23	147.712	7288	15:15:19	0	7288	7288	15:15:19	7288	0
22.08.23	149.697	7437	15:16:34	0	7437	7437	15:16:34	7437	0
23.08.23	129.309	6346	0:01:34	12	6358	6358	0:01:34	6346	12
24.08.23	124.027	5988	15:37:13	0	5988	5988	15:37:13	5988	0
25.08.23	126.579	6252	15:19:12	0	6252	6252	15:19:12	6252	0
26.08.23	122.766	6014	23:14:40	0	6014	6014	23:14:40	6014	0
27.08.23	119.011	5874	23:15:14	0	5874	5874	23:15:14	5874	0
28.08.23	131.065	6468	23:18:34	0	6468	6468	23:18:34	6468	0
29.08.23	134.704	6489	23:20:52	0	6489	6489	23:20:52	6489	0
30.08.23	129.063	6352	0:00:22	0	6352	6352	0:00:22	6352	0
31.08.23	132.060	6703	22:52:00	0	6703	6703	22:52:00	6703	0
<b>TOTAL</b>	<b>4104.623</b>	<b>7437</b>	15.16.34			<b>7437</b>	15.16.34		
		<b>22.08.23</b>							

9. **LOAD PATTERN OF DELHI ON THE DAY OF PEAK DEMAND MET DURING AUGUST 2023 ON 22.08.2023 - 7437MW AT 15.16.34HRS.**

All figures in MW

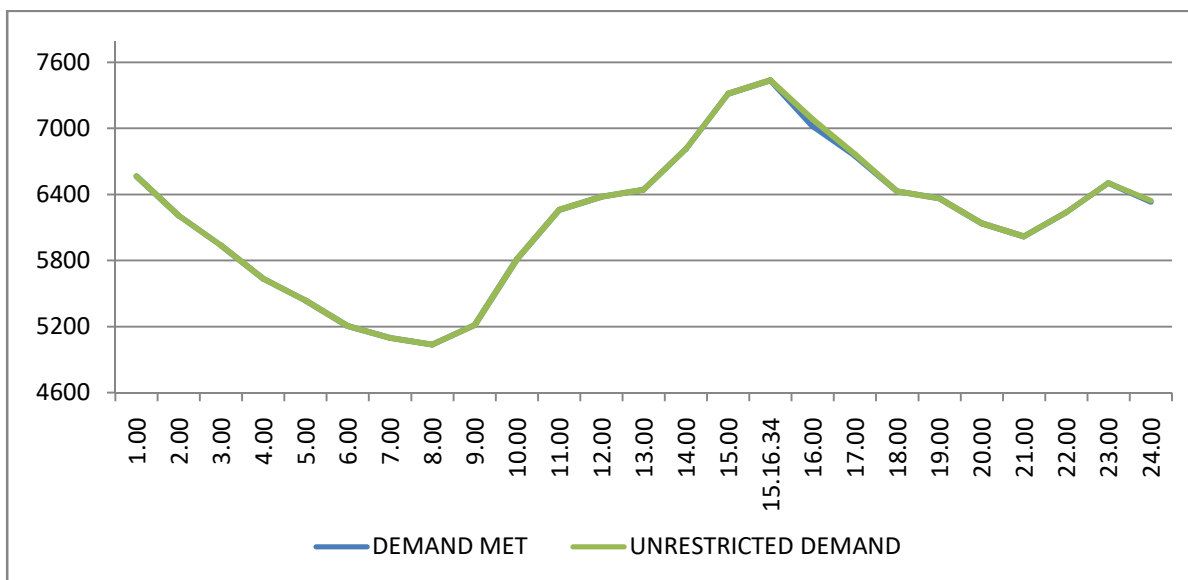
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	6565	0	6565
2.00	6208	0	6208
3.00	5939	0	5939
4.00	5636	0	5636
5.00	5439	0	5439
6.00	5204	0	5204
7.00	5097	0	5097
8.00	5035	0	5035
9.00	5213	0	5213
10.00	5812	0	5812
11.00	6260	0	6260
12.00	6381	0	6381
13.00	6443	0	6443
14.00	6813	0	6813
15.00	7315	0	7315
15.16.34	7437	0	7437
16.00	7020	64	7084
17.00	6751	16	6767
18.00	6428	0	6428
19.00	6365	0	6365
20.00	6139	0	6139
21.00	6019	0	6019
22.00	6238	0	6238
23.00	6505	0	6505
24.00	6332	12	6344
<b>Total (IN MUS)</b>	<b>149.697</b>	<b>0.102</b>	<b>149.799</b>



**10 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UN-RESTRICTED DEMAND DURING AUGUST 2023 ON 22.08.2023-7437MW AT 15.16.34HRS.**

**All figures in MW**

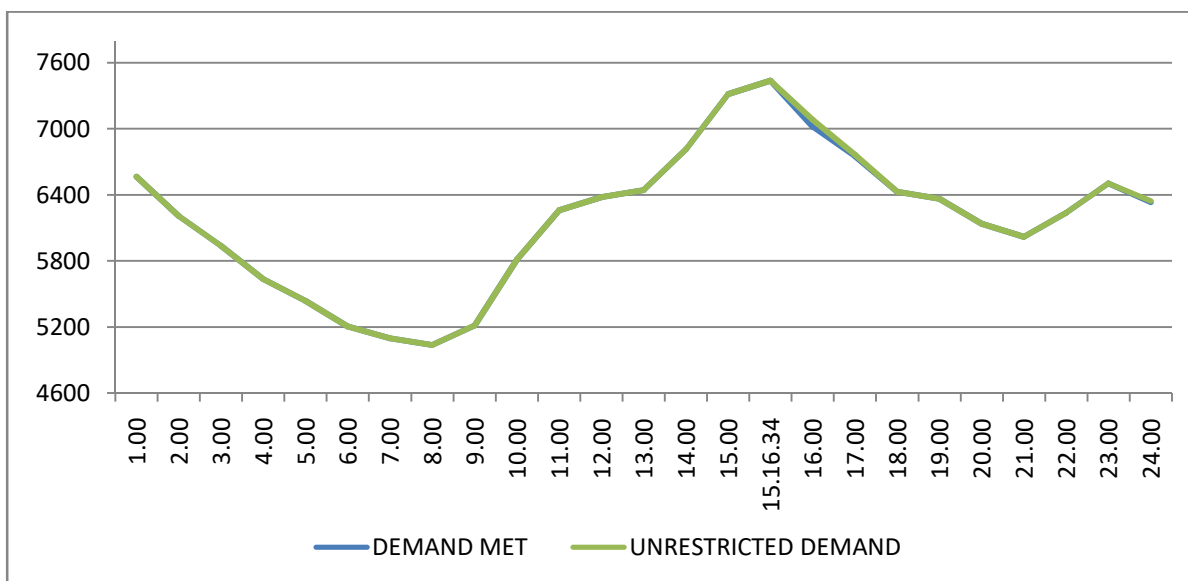
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	6565	0	6565
2.00	6208	0	6208
3.00	5939	0	5939
4.00	5636	0	5636
5.00	5439	0	5439
6.00	5204	0	5204
7.00	5097	0	5097
8.00	5035	0	5035
9.00	5213	0	5213
10.00	5812	0	5812
11.00	6260	0	6260
12.00	6381	0	6381
13.00	6443	0	6443
14.00	6813	0	6813
15.00	7315	0	7315
15.16.34	7437	0	7437
16.00	7020	64	7084
17.00	6751	16	6767
18.00	6428	0	6428
19.00	6365	0	6365
20.00	6139	0	6139
21.00	6019	0	6019
22.00	6238	0	6238
23.00	6505	0	6505
24.00	6332	12	6344
<b>Total (IN MUS)</b>	<b>149.697</b>	<b>0.102</b>	<b>149.799</b>



**11 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM ENERGY CONSUMED DURING AUGUST 2023 – 22.08.2023 – 149.697Mus**

All figures in MW

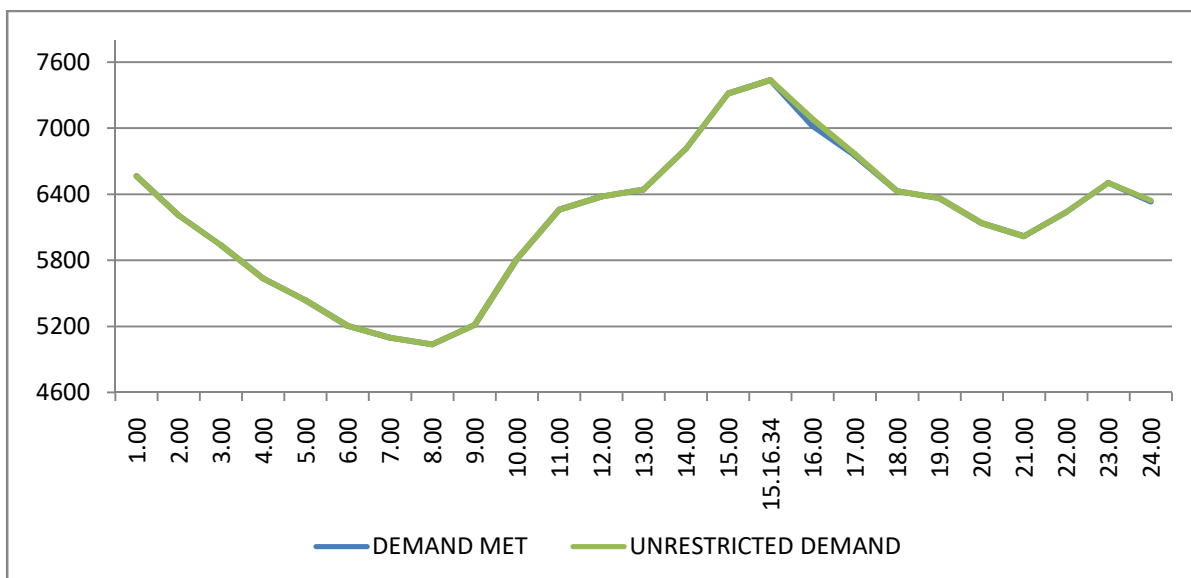
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	6565	0	6565
2.00	6208	0	6208
3.00	5939	0	5939
4.00	5636	0	5636
5.00	5439	0	5439
6.00	5204	0	5204
7.00	5097	0	5097
8.00	5035	0	5035
9.00	5213	0	5213
10.00	5812	0	5812
11.00	6260	0	6260
12.00	6381	0	6381
13.00	6443	0	6443
14.00	6813	0	6813
15.00	7315	0	7315
15.16.34	7437	0	7437
16.00	7020	64	7084
17.00	6751	16	6767
18.00	6428	0	6428
19.00	6365	0	6365
20.00	6139	0	6139
21.00	6019	0	6019
22.00	6238	0	6238
23.00	6505	0	6505
24.00	6332	12	6344
<b>Total (IN MUS)</b>	<b>149.697</b>	<b>0.102</b>	<b>149.799</b>



**12 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UNRESTRICTED ENERGY DEMAND DURING AUGUST 2023 - ON 22.08.2023- 149.799MUS**

All figures in MW

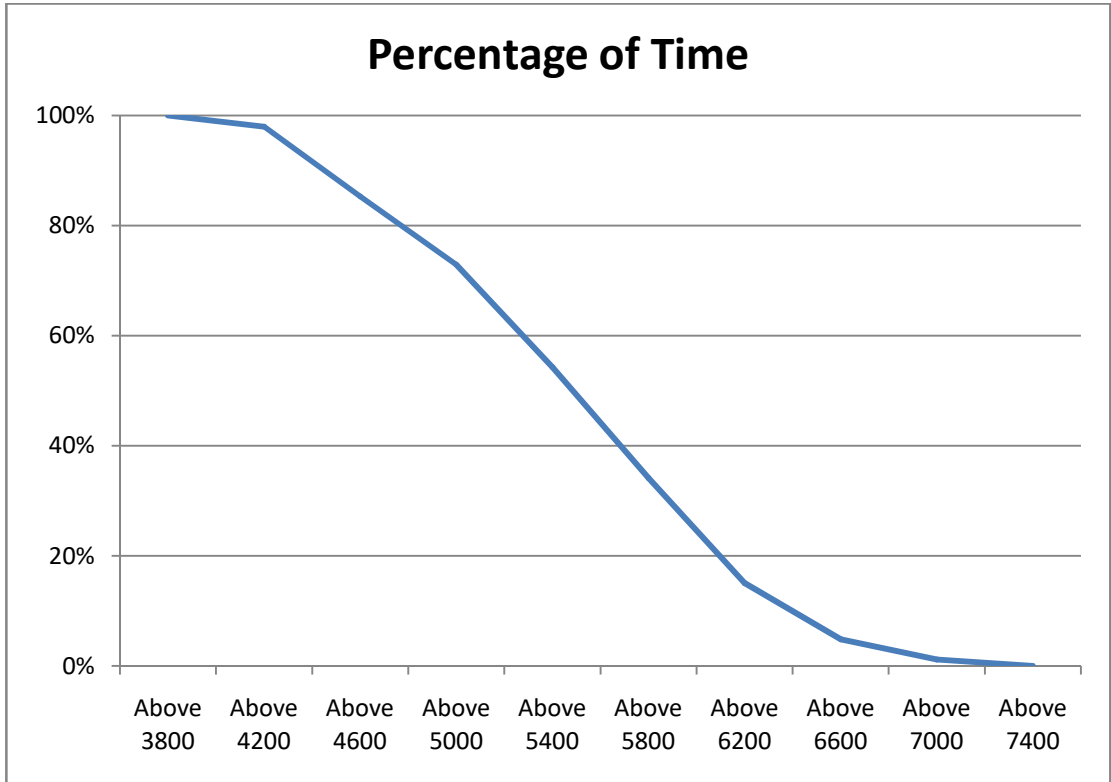
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	6565	0	6565
2.00	6208	0	6208
3.00	5939	0	5939
4.00	5636	0	5636
5.00	5439	0	5439
6.00	5204	0	5204
7.00	5097	0	5097
8.00	5035	0	5035
9.00	5213	0	5213
10.00	5812	0	5812
11.00	6260	0	6260
12.00	6381	0	6381
13.00	6443	0	6443
14.00	6813	0	6813
15.00	7315	0	7315
15.16.34	7437	0	7437
16.00	7020	64	7084
17.00	6751	16	6767
18.00	6428	0	6428
19.00	6365	0	6365
20.00	6139	0	6139
21.00	6019	0	6019
22.00	6238	0	6238
23.00	6505	0	6505
24.00	6332	12	6344
<b>Total (IN MUS)</b>	<b>149.697</b>	<b>0.102</b>	<b>149.799</b>





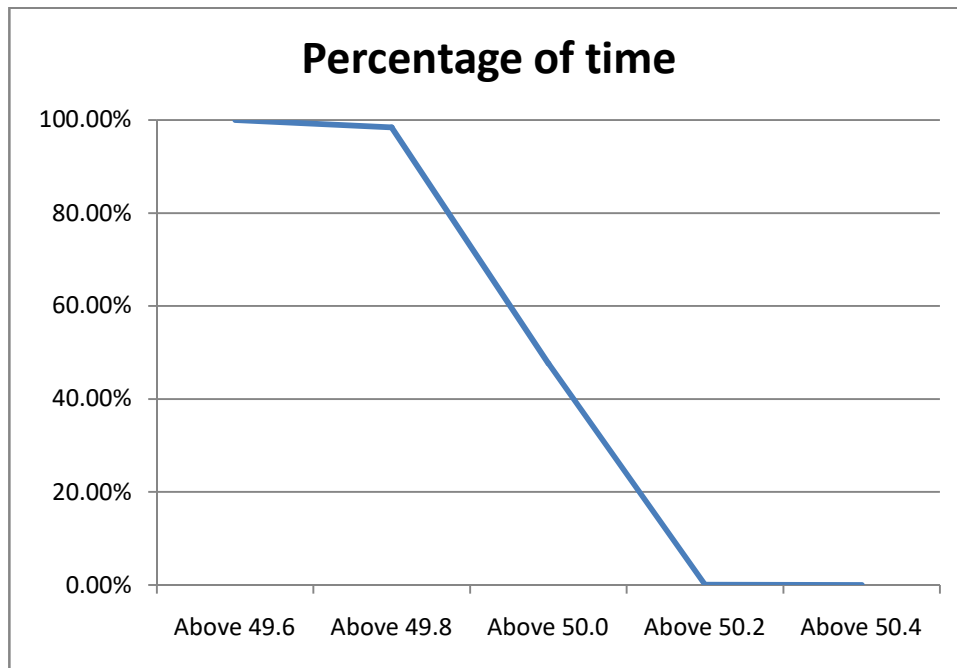
13 **LOAD DURATION CURVE FOR AUGUST 2023**

<b>LOAD REMAINED ABOVE IN MW</b>	<b>(%) OF TIME</b>
Above 3800	100%
Above 4200	97.95%
Above 4600	85.28%
Above 5000	72.88%
Above 5400	54.22%
Above 5800	34.11%
Above 6200	15.05%
Above 6600	4.84%
Above 7000	1.21%
Above 7400	0.00%



**14 FREQUENCY ANALYSIS FOR THE MONTH OF AUGUST 2023**

<b>FREQUENCY REMAINED ABOVE IN HZ</b>	<b>(%) OF TIME</b>
<b>50.4</b>	<b>0</b>
<b>50.2</b>	<b>0.10</b>
<b>50</b>	<b>47.62</b>
<b>49.8</b>	<b>98.37</b>
<b>49.6</b>	<b>100</b>



**15 VOLTAGE PROFILE OF 220 KV SUB-STATIONS IN DELHI DURING AUGUST 2023**

**All figures in kV**

Date	NARELA		GAZIPUR	
	Max	Min	Max	Min
01.08.23	224.10	213.06	228.89	216.50
02.08.23	224.79	213.43	229.20	216.80
03.08.23	224.99	213.05	228.52	214.21
04.08.23	227.05	216.34	227.40	216.02
05.08.23	226.69	217.09	227.59	217.61
06.08.23	227.02	218.27	228.39	219.28
07.08.23	225.81	214.79	226.19	215.58
08.08.23	226.25	214.65	227.95	215.00
09.08.23	224.93	214.64	229.37	216.16
10.08.23	226.74	214.77	228.35	216.04
11.08.23	225.94	215.14	228.62	218.94
12.08.23	226.10	215.69	231.07	220.91
13.08.23	226.72	217.07	231.69	222.31
14.08.23	226.48	217.00	231.16	220.34
15.08.23	229.36	217.77	229.82	217.90
16.08.23	224.86	215.25	229.13	218.15
17.08.23	226.31	214.69	227.54	213.88
18.08.23	226.58	208.12	228.49	216.06
19.08.23	228.34	215.72	227.41	214.70
20.08.23	226.68	214.46	231.45	210.67
21.08.23	225.22	210.57	228.56	209.24
22.08.23	225.15	213.99	227.71	0.00
23.08.23	227.28	218.71	224.17	212.66
24.08.23	226.24	217.30	226.50	219.02
25.08.23	225.85	216.95	231.16	220.14
26.08.23	225.99	216.88	231.31	219.81
27.08.23	225.91	218.68	229.91	221.83
28.08.23	225.79	214.67	229.07	218.08
29.08.23	225.86	212.43	228.48	215.60
30.08.23	226.07	215.56	230.28	219.18
31.08.23	225.67	215.10	228.96	216.49

**16 VOLTAGE PROFILE OF 400 KV SUB-STATIONS IN DELHI DURING AUGUST 2023**

**All figures in kV**

Date	400kV Bamnauli Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01.08.23	413.86	4:02:12	390.09	14:46:08	403.42
02.08.23	413.65	18:02:59	392.75	14:29:46	404.88
03.08.23	414.32	5:06:41	393.3	14:51:19	404.85
04.08.23	416.37	8:01:07	398.46	10:45:27	406.97
05.08.23	417.3	8:01:10	397.3	14:42:19	407.51
06.08.23	418.5	4:00:42	399.2	13:57:07	409.08
07.08.23	415.67	3:59:59	393.64	14:18:34	406.04
08.08.23	416.32	4:02:24	392.85	14:22:51	404.42
09.08.23	413.19	5:01:41	395.51	14:43:28	404.96
10.08.23	413.69	18:00:59	392.39	14:51:56	404.95
11.08.23	412.52	7:03:15	395.05	22:19:27	405.69
12.08.23	415.54	7:00:03	394.67	14:28:00	406.01
13.08.23	416.7	18:31:40	397.59	22:34:56	408.4
14.08.23	416.98	18:03:03	398.77	10:27:53	408.76
15.08.23	420.09	18:01:35	397.62	22:14:36	408.72
16.08.23	410.64	2:26:09	391.58	13:47:47	404.81
17.08.23	411.07	19:01:52	389.99	14:01:25	403.26
18.08.23	414.24	6:53:35	387.84	14:30:29	404.34
19.08.23	417.16	5:20:34	392.92	14:48:22	405.81
20.08.23	417.8	6:50:25	394.95	22:39:01	406.72
21.08.23	412.58	18:18:01	389.96	14:17:47	403.7
22.08.23	417.76	19:02:20	393.05	11:08:30	406.84
23.08.23	416.76	3:28:32	402.13	11:30:03	409.23
24.08.23	417.65	4:01:55	400.25	14:53:14	408.44
25.08.23	417.15	4:02:16	398.07	14:49:29	407.1
26.08.23	415.87	4:01:28	399.03	14:38:59	407.43
27.08.23	417.41	18:01:58	401.63	22:49:01	409.52
28.08.23	416.55	4:00:41	397.38	14:39:53	407.42
29.08.23	416.64	5:00:34	393.09	14:14:43	406.77
30.08.23	418.03	7:01:47	399.54	12:36:13	408.5
31.08.23	414.48	18:02:32	396.76	12:12:03	406.37

**All figures in kV**

Date	400kV Bawana Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01.08.23	409.01	5:02:03	388.99	14:33:13	400.15
02.08.23	408.85	5:01:44	390.82	14:51:49	401.29
03.08.23	410.24	7:03:28	390.15	14:39:07	401.41
04.08.23	412.1	8:01:18	394.29	11:07:37	402.98
05.08.23	411.33	8:00:53	396.54	14:43:52	403.97
06.08.23	412.67	7:02:23	397.26	12:43:53	405.54
07.08.23	410.89	4:00:03	390.11	14:28:53	401.79
08.08.23	411.68	4:01:23	390.61	14:44:42	401.37
09.08.23	409.18	4:02:14	392.52	12:37:30	401.49
10.08.23	410.54	18:01:17	392.71	14:46:35	403.19
11.08.23	410.05	7:01:46	394.68	11:50:03	403.66
12.08.23	412.42	7:01:01	394.22	12:45:57	404.2
13.08.23	413.21	18:02:31	398.4	12:49:56	406.31
14.08.23	413.18	6:01:06	397.37	10:27:45	405.64
15.08.23	416.42	18:02:08	396.65	22:14:29	405.56
16.08.23	410.14	4:00:51	394.06	14:42:37	402.9
17.08.23	410.04	7:02:29	391.5	14:47:11	402.21
18.08.23	410.71	7:00:03	388.71	14:31:03	402.71
19.08.23	413.35	8:01:22	395.54	14:48:53	405.48
20.08.23	415.04	6:50:38	399.36	12:21:16	406.06
21.08.23	411.44	7:01:45	394.62	14:18:07	405.2
22.08.23	411.13	19:02:25	394.33	12:41:12	405.11
23.08.23	412.31	7:44:55	400.97	22:31:39	406.12
24.08.23	412.84	4:32:07	398.72	14:53:17	405.82
25.08.23	414.39	4:00:50	398.14	14:51:13	406.15
26.08.23	413.91	4:01:44	398.62	14:49:47	406.1
27.08.23	413.82	18:02:48	402.49	13:56:36	407.91
28.08.23	413.7	4:01:10	397.15	14:39:48	405.8
29.08.23	412.66	7:20:22	391.12	14:14:41	404.64
30.08.23	414.49	7:02:05	396.28	11:29:08	406.64
31.08.23	411.67	7:01:17	393.13	12:12:03	404.22

## DETAILS OF BREAK-DOWNS/TRIPPING DURING THE MONTH OF AUGUST 2023

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
1	01.08.23	1:40	MASJID MOTH 220/33kV 100MVA Tx-I	01.08.23	2:10	O/C, E/F, 86
2	01.08.23	1:40	MASJID MOTH 220/33kV 100MVA Tr-III	01.08.23	2:25	O/C, E/F, 86
3	01.08.23	1:40	MASJID MOTH 220/33kV 100MVA Tx-II	01.08.23	2:10	O/C, E/F, 86
4	01.08.23	16:50	220kV BAMNAULI- PAPPANKALAN-II CKT-I	01.08.23	18:05	AT PAPPANKALAN-II : DIST PROT, ZONE-I, DIST 1.4KM, B PHASE, 86ABC.
5	04.08.23	3:25	WAZIRABAD 220/66kV 100MVA Tx-I	04.08.23	5:32	DIFFERENTIAL.
6	04.08.23	16:35	LODHI RD 33/11kV, 20MVA Tx-I	04.08.23	16:55	86B
7	04.08.23	16:35	LODHI RD 220/33kV 100MVA Tx-I	04.08.23	16:50	86B
8	04.08.23	16:35	LODHI RD 33/11kV, 16MVA Tx-III	04.08.23	16:55	86B
9	05.08.23	2:05	PAPPANKALAN-III 220/66kV 160MVA Tx-II	05.08.23	5:27	86
10	06.08.23	15:13	SARITA VIHAR 66/11kV, 20MVA Tx-I	06.08.23	17:40	86
11	08.08.23	9:16	220kV WAZIRABAD-GEETA COLONY CKT-II	08.08.23	13:14	AT WAZIRABAD : AUTO RECLOSE, AT GEETA COLONY : AUTO RECLOSE WITH SPARK.
12	08.08.23	16:22	220kV WAZIRABAD - KASHMEREGATE CKT-I	08.08.23	16:42	AT KASHMIRIGATE : RYB PHASE, 186.
13	08.08.23	18:40	220 KV PATPARGANJ - I.P. CKT-I	08.08.23	21:40	AT PATPARGANJ : DIST PROT, ZONE-I, Y PHASE.
14	08.08.23	19:40	220kV GAZIPUR- PATPARGANJ CKT	09.08.23	4:18	AT GAZIPUR : 86.
15	10.08.23	7:42	ROHINI 220/66kV 100MVA Tx-II	10.08.23	8:38	O/C, E/F
16	10.08.23	7:42	ROHINI 220/66kV 100MVA Tx-I	10.08.23	8:38	O/C, E/F
17	11.08.23	14:00	220kV BAMNAULI-NAJAFGARH CKT-II	11.08.23	14:05	AT NAJAFGARH : DIST PROT, B PHASE.
18	11.08.23	16:49	MUNDKA 220/66kV 160MVA Tx- III	11.08.23	17:25	86
19	11.08.23	14:08	220kV GOPALPUR- MANDOLACKT-I	11.08.23	20:04	AT GOPALPUR : DIST PROT, ZONE-I, R PHASE,
20	12.08.23	18:14	PATPARGANJ 220/33kV 100MVA Tx-I	12.08.23	18:33	O/C, R PHASE, E/F.
21	12.08.23	18:14	PATPARGANJ 220/33kV 100MVA Tx-III	12.08.23	18:34	86, R PHASE, E/F
22	12.08.23	18:14	PATPARGANJ 220/33kV 100MVA Tx-III	12.08.23	19:31	O/C, R PHASE, E/F
23	12.08.23	22:36	PATPARGANJ 33/11kV, 20MVA Tx	12.08.23	22:42	O/C, B PHASE.
24	12.08.23	22:43	PATPARGANJ 33/11kV, 20MVA Tx	13.08.23	0:46	OVERFLUX.
25	13.08.23	14:06	220kV GOPALPUR- MANDOLACKT-II	13.08.23	18:04	AT MANDOLA : DIST PROT, ZONE-II, 86AB, R PHASE.
26	13.08.23	14:24	220kV GEETA COLONY- PATPARGANJ CKT-I	13.08.23	15:01	AT PATPARGANJ : DIST PROT, ZONE-I, DIST 1.4KM, 186. AT GEETA COLONY : DIST PROT, DIST 3.214KM
27	13.08.23	19:17	220kV ROHINI-SHALIMARBAGH CKT-I	14.08.23	9:10	AT ROHINI : 86, DIST PROT, ZONE-I, B&C PHASE, DIFFERENTIAL.
28	14.08.23	13:06	NARAINA 220/33kV 100MVA Tx- III	14.08.23	16:55	O/C, E/F
29	14.08.23	14:11	220KV WAZIRABAD - MANDOLA CKT-II	14.08.23	17:47	AT MANDOLA : DIST PROT, DIST 1859KM, YB PHASE.
30	14.08.23	14:11	220kV WAZIRABAD - KASHMEREGATE CKT-I	14.08.23	14:54	AT WAZIRABAD : DIST PROT, ZONE-I, DIST 1.13KM, BY PHASE.

SL N O	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
31	14.08.23	16:50	220kV NARELA - MANDOLA CKT-I	14.08.23	17:52	DIST PROT, ZONE-I, DIST 2.6KM.
32	14.08.23	19:58	KASHMIRI GATE 33/11kV, 20MVA Tx	15.08.23	1:00	O/C, E/F.
33	15.08.23	10:53	220kV GOPALPUR-SUBZI MANDI CKT-I	15.08.23	11:28	AT GOPALPUR : Y&B PHASE, DIST PROT, ZONE-II, DIST 6.194KM.
34	15.08.23	12:02	220KV WAZIRABAD - MANDOLA CKT-IV	15.08.23	13:17	AT WAZIRAAD : RY PHASE, DIST PROT, ZONE-I, DIST 7.03KM.
35	15.08.23	12:34	220kV ROHINI-SHALIMARBAGH CKT-II	15.08.23	14:02	AT ROHINI : AB HASE, DIST PROT, ZONE-I, 86, DIFFERENTIAL.
36	15.08.23	12:46	220KV GAZIPUR - MAHARANIBAGH CKT. -I	15.08.23	13:06	AT GAZIUR : DIST PROT, ZONE-I, RYB PHASE, 86, DIST 2.9KM.
37	15.08.23	13:00	220kV ROHINI-SHALIMARBAGH CKT-I	15.08.23	13:31	AT SHALIMARBAGH : DIST PROT, ZONE-I, RY PHASE.
38	15.08.23	14:20	SHALIMAR BAGH 220/33kV 100MVA Tx-I	15.08.23	14:59	O/C, E/F, R PHASE.
39	15.08.23	14:23	220kV MAHARANI BAGH - LODHI ROAD CKT-II	15.08.23	15:06	AT MAHARANI BAGH : 86, RY PHASE.
40	15.08.23	16:14	GOPALPUR 33/11kV, 16MVA Tx-II	16.08.23	13:48	DIFFERENTIAL, RYB PHASE.
41	15.08.23	16:25	220 KV PATPARGANJ - I.P. CKT-II	15.08.23	16:47	AT I.P. : TRIPPED WITHOUT INDICATOIN.
42	15.08.23	20:22	NARELA 66/11kV, 20MVA Tx-I	15.08.23	20:45	TRIPPED WITHOUT INDICATION.
43	16.08.23	13:48	220kV BAMNAULI-PAPPANKALAN-II CKT-II	16.08.23	14:40	AT PAPANALAN-II : DIST PROT,ZONE-I, DIST 4.5KM, RYB PHASE.
44	17.08.23	15:32	220kV PRAGATI - SARITA VIHAR CKT - I	17.08.23	17:20	AT SARITA VIHAR : DIST PROT, DIST 4.6KM., RY PHASE
45	18.08.23	11:33	220kV BAWANA-DSIIDC BAWANA CKT-I	18.08.23	13:10	AT DSIDC BAWANA : CKT TRIPPED WITHOUT INDICATION.
46	18.08.23	12:32	SUBZI MANDI 220/33kV 100MVA Tx-II	18.08.23	13:18	DIFFERENTIAL, RYB PHASE, REF.
47	18.08.23	12:50	220kV DSIIDC BAWANA-NARELA CKT-I	18.08.23	15:28	AT NARELA : R PHASE, 86.
48	18.08.23	16:15	220kV GOPALPUR-MANDOLACKT-I	18.08.23	18:27	AT GOPALPUR : DIST PROT, ZONE-I, R PHASE, DIST 2.8KM.
49	18.08.23	16:15	220KV WAZIRABAD - MANDOLA CKT-I	18.08.23	20:14	AT WAZIRABAD : DIST PROT, ZONE-I, R PAHSE, DIST 5.7KM.
50	19.08.23	4:25	220kV BAMNAULI-PAPPANKALAN-II CKT-II	19.08.23	4:37	AT PAPANALAN-II : DIST PROT, ZONE-I, DIST 6.3KM, RYB PHASE,
51	19.08.23	5:05	KANJHAWALA 66/11kV, 20MVA Tx-I	19.08.23	8:45	O/C, E/F.
52	19.08.23	5:44	220kV Preet Vihar- Patparganj Ckt-I	19.08.23	6:16	AT PATPARGANJ : BUS BAR OPERATED.
53	19.08.23	5:44	220kV Preet Vihar- Patparganj Ckt-II	19.08.23	6:16	AT PATPARGANJ : BUS BAR OPERATED.
54	19.08.23	5:44	220 KV PATPARGANJ - I.P. CKT-II	19.08.23	6:18	AT PATPARGANJ : BUS BAR OPERATED.
55	19.08.23	5:44	220 KV PATPARGANJ - I.P. CKT-I	19.08.23	6:18	AT PATPARGANJ : BUS BAR OPERATED.
56	20.08.23	3:26	OKHLA 220/33kV 100MVA Tx-III	20.08.23	3:38	O/C, 86.
57	20.08.23	3:26	OKHLA 220/33kV 100MVA Tx-IV	20.08.23	3:38	O/C, 86.
58	21.08.23	9:50	220/66kV 160MVA PR. TR. -I AT GAZIPUR	21.08.23	9:55	O/C, E/F.
59	21.08.23	10:19	220kV NARAINA-RIDGE VALLEY CKT-I	21.08.23	10:25	AT NARAINA: 86. O/C
60	22.08.23	15:35	220KV BAWANA-SHALIMARBAGH CKT-II	22.08.23	16:00	AT SHALIMARBAGH : BUS BAR OPERATED.
61	22.08.23	15:35	220KVSHALIMARBAGH - ROHINI CKT-II	22.08.23	16:00	AT SHALIMARBAGH : BUS BAR OPERATED.
62	22.08.23	15:35	220kV SHALIMAR BAGH - DMRC CKT-II	22.08.23	16:02	AT SHALIMARBAGH : BUS BAR OPERATED.

SL N O	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
63	22.08.23	15:35	SHALIMAR BAGH 220/33kV 100MVA Tx-III	22.08.23	16:00	AT SHALIMARBAGH : BUS BAR OPERATED.
64	22.08.23	15:40	220KV BAWANA-SHALIMARBAGH CKT-I	22.08.23	16:00	AT SHALIMARBAGH : BUS BAR OPERATED.
65	22.08.23	15:40	220KVSHALIMARBAGH - ROHINI CKT-II	22.08.23	16:00	AT SHALIMARBAGH : BUS BAR OPERATED.
66	22.08.23	15:40	220kv SHALIMAR BAGH - DMRC CKT-I	22.08.23	16:02	AT SHALIMARBAGH : BUS BAR OPERATED.
67	22.08.23	15:40	220kv SHALIMAR BAGH - WAZIRPUR CKT-I	22.08.23	16:00	AT SHALIMARBAGH : BUS BAR OPERATED.
68	22.08.23	15:40	220kv SHALIMAR BAGH - WAZIRPUR CKT-II	22.08.23	16:00	AT SHALIMARBAGH : BUS BAR OPERATED.
69	22.08.23	15:40	220kv SHALIMAR BAGH - SGTN CKT-I	22.08.23	16:00	AT SHALIMARBAGH : BUS BAR OPERATED.
70	23.08.23	14:45	220kv MUNDKA-KANJHAWALA CKT	23.08.23	15:30	AT KHANJAWALA : TRIPPED WITHOUT INDICATION.
71	23.08.23	17:07	220kv WAZIRABAD-GEETA COLONY CKT-II	23.08.23	17:28	AT WAZIRABAD : DIST PROT, ZONE-I, Y&B PHASE.
72	24.08.23	9:59	220kv BAMNAULI- PAPPANKALAN-I CKT-I	24.08.23	13:13	AT BAMNAULI : DIST PROT, ZONEI&II, DIST 7.407KM, 86A&B.
73	28.08.23	11:30	PAPPANKALAN-I 220/66kv 100MVA Tx-II	28.08.23	12:30	O/C, Y PHASE.
74	28.08.23	13:58	220kv BAWANA - KANJHAWALA CKT - 1	28.08.23	16:19	AT KHANJAWALA : DIST PROT, DIST 28.73KM, B PHASE.
75	28.08.23	17:16	ROHINI 220/66kv 100MVA Tx-IV	29.08.23	0:05	E/F
76	28.08.23	17:16	ROHINI 220/66kv 100MVA Tx-I	28.08.23	17:56	R PHASE, Y PHASE TRIP.
77	28.08.23	17:16	ROHINI 220/66kv 100MVA Tx-III	28.08.23	17:56	E/F.
78	28.08.23	17:16	ROHINI 220/66kv 100MVA Tx-II	28.08.23	17:56	R&Y PHASE TRIP, O/C
79	29.08.23	23:34	VASANT KUNJ 220/66kv 160MVA Tx-I	29.08.23	23:58	O/C , E/F, R PHASE, Y PHASE.
80	29.08.23	23:34	VASANT KUNJ 220/66kv 100MVA Tx-II	29.08.23	23:58	RY PHASE, O/C, E/F.
81	30.08.23	14:11	220kv GOPALPUR- MANDOLACKT-I	30.08.23	20:44	AT GOPALPUR : DIST PROT, ZONE-I, 86A&B, B PHASE.
82	31.08.23	10:27	PARKSTREET 220/33kv 100MVA Tx-II	31.08.23	11:15	I/C TRIPPED ON O/C
83	31.08.23	20:00	OKHLA 220/66kv 100MVA Tx-II	01.09.23	10:55	186, PRV.



**18      DETAILS OF UNDER FREQUENCY RELAY OPERATIONS IN DELHI POWER SYSTEM DURING THE MONTH OF AUGUST 2023**

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