

DELHI TRANSCO LTD.

STATE LOAD DISPATCH CENTER

PROGRESS REPORT

JULY 2023

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SALIENT FEATURES OF DELHI POWER SYSTEM

Sr. No.	Features	JULY. 2022	JULY. 2023
1	Effective Generation Capacity within Delhi in MW		
	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	2181
2	Maximum Unrestricted Demand (MW)	7517	7398
	Date	08.07.2022	21.07.2023
	Time	15.33.37	15.10.37
3	Peak Demand met (MW)	7517	7398
	Date	08.07.2022	21.07.2023
	Time	15.33.37	15.10.37
4	Peak Availability (MW)	7374	7401
5	Shortage (-) / Surplus (+) in MW	(-) 143	(+)3
6	Percentage Shortage (-) / Surplus (+)	(-) 1.90	(+) 0.04
7	Maximum Energy Consume in a day (Mus)	152.309	149.573
8	Energy Consumed during the month	3906.240	3944.539
9	Load Shedding in Mus		
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
	Total due to Grid Restriction	0.000	0.000
B)	Due to Constraints in System in Mus		
	DTL	0.338	0.222
	TPDDL	0.028	0.034
	BRPL	0.017	0.223
	BYPL	0.000	0.000
	NDMC	0.000	0.000
	MES	0.000	0.000
	Other Agencies	0.005	0.000
	Total	0.388	0.479
10	Grand Total in Mus	0.388	0.479

2. PERFORMANCE OF GENERATING STATIONS WITHIN DELHI DURING JULY 2023

A) For the month of July 2023

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	0.124	-0.124	--	--
2.	GT	27.879	1.671	26.208	85.22	29.587
3.	PPCL	121.816	2.606	119.210	91.64	102.388
4.	Bawana	91.459	5.261	86.198	96.98	699.539
	TOTAL	241.154	9.662	231.492	--	831.514

WASTE TO ENERGY GENERATING PLANTS WITHIN DELHI

S. No	Stations	Gross Generation	Aux. Consumption	Net Generation
5.	Towmcl	16.267	2.131	14.136
6.	EDWPCL	3.089	1.059	2.030
7.	DMSWL	15.284	2.375	12.909
8.	TWEPL	17.253	1.767	15.486
	TOTAL	51.893	7.332	44.561

B) For the Year 2023-24 (Upto June 2023)

Power Station	Effective Capacity (MW)	Net Generation in MUs for June 2023	Availability (%) for June 2023	Cumulative Generation in MUs upto June 2023 for the year 2023-24	Cumulative Availability in % upto June 2023 or the year 2023-24
RPH	135	-0.124	--	-0.364	--
GT	90	26.208	85.22	75.322	92.77
PPCL	330	119.210	91.64	211.809	95.90
Bawana	1372	86.198	96.98	357.299	92.58
TOTAL	1927	231.492	--	644.066	--

WASTE TO ENERGY GENERATING PLANTS WITHIN DELHI

Power Station	Effective Capacity (MW)	Net Generation in MUs for June 2023	Cumulative Generation in MUs upto June 2023 for the year 2023-24
Towmcl	16	14.136	49.151
EDWPCL	10	2.030	14.647
DMSWL	24	12.909	49.185
TWEPL	25	15.486	67.287
TOTAL	75	44.561	180.27

3 DETAILS OF OUTAGES OF GENERATING STNS. WITHIN DELHI FOR JULY 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	01.07.23	00.00	02.07.23	18.40	Unit under shutdown due to low demand.
		10.07.23	07.20	24.07.23	08.30	Unit under shutdown due to low demand.
		24.07.23	12.30	31.07.23	23.59	Unit under shutdown due to low demand.
2	30	NIL				
3	30	NIL				
4	30	NIL				
5	30	NIL				
6	30	02.07.23	13.25	02.07.23	19.30	Unit under shutdown due to low demand.both 160MVA transformers triped at 220kV side.
		02.07.23	19.30	05.07.23	12.50	Unit under shutdown due to low demand.
		06.07.23	18.30	10.07.23	07.05	Unit under shutdown due to low demand.
STG-1	30	01.07.23	00.00	03.07.23	05.35	Unit under shutdown due to low demand.
		03.07.23	10.15	03.07.23	11.03	Unit under shutdown due to low demand.
		09.07.23	23.36	31.07.23	23.59	Unit out due to phase to phase flashover at Generator terminal.
STG-2	30	NIL				
STG-3	30	02.07.23	13.25	02.07.23	19.30	Unit under shutdown due to low demand.both 160MVA transformers triped at 220kV side.
		02.07.23	19.30	05.07.23	12.50	Unit under shutdown due to low demand.
		06.07.23	18.30	10.07.23	07.05	Unit under shutdown due to low demand.

(C) **PRAGATI**

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	104	01.07.23	00.00	04.07.23	11.36	Unit stopped due to less demand
		04.07.23	15.33	21.07.23	06.28	Unit stopped due to less demand
		29.07.23	16.01	30.07.23	23.45	Unit stopped due to less demand
		30.07.23	23.45	31.07.23	18.22	Unit stopped to attend fault.
2	104	22.07.23	06.03	24.07.23	11.46	Unit stopped to attend fault.
		29.07.23	00.00	31.07.23	05.42	Unit stopped due to less demand
STG	122	19.07.23	21.10	20.07.23	19.54	Unit stopped to attend fault.
		29.07.23	16.02	31.07.23	08.43	Unit stopped due to less demand

(D) **BAWANA CCGT POWER STATION**

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	216	NIL				
2	216	NIL				
3	216	NIL				
4	216	NIL				
STG -1	254	NIL				
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			
TOTAL	2020		1739.3	701.1	334.6	456.4	201.3	45.0	1.00	0.0
CENTRAL SECTOR GENERATION										
<u>NTPC STATIONS</u>										
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		
TOTAL NTPC	15722		3221.98	1581	602	914	125	0	0	0
<u>NHPC (HYDRO)</u>										
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		
Total NHPC	4065		478.61	234.81	121.6	122	0	0	0	0

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
Nathpa Jhakri HEP	1500	9	142.05	62	36	44	0	0		
Tehri Hydro	1000	6.30	63.00	44	0	19	0	0		
Koteshwar HEP	400	9.86	39.44	27	0	12	0	0		
Total THDC	1400		102.44	71.01	0	31.4	0	0	0	0
Singrauli Hyd	8	19.13	1.53	0	0	1.53				
<u>NPC (NUCLEAR)</u>										
Narora APS	440	10.68	46.99	33	0	14	0	0		
RAPP (C)	440	12.69	55.84	25	14	17	0	0		
TOTAL NPC	880		102.83	57	14	32	0	0	0	0
<u>Allocation from ER</u>										
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)			300.00	131.00	82.00	83.76				
DVC(Mejia6)			100.00	44	25	31	0	0		
TOTAL	4980		875.49	254	426	192	0	0	0	0
<u>Allocation from Long term Bilateral</u>										
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				
RUMS - DMRC			99.00	47.5	26.3	25.2				
Sun Edision (From 18.11.2019)			90.00			90				
Teranda (HYD)(From 08.1.2020)			12.65			12.65				
BRBCL (From 15.01.2020)			5.00							5
JIPTL			9.46							9.46
TOTAL	2870		875.81	117	166	579	0	0	0	14.46
Total in MW	33445		7540	3078	1700	2371	326	45	1	14.46

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
STATE GENERATING STATIONS										
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	
TOTAL	2020		1739.31	40.31	19.24	26.24	11.57	2.58	0.06	0.00
CENTRAL SECTOR GENERATION										
<u>NTPC STATIONS</u>										
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		
TOTAL NTPC	15722		3221.98	49.06	18.70	28.37	3.88	0.00	0.00	0.00
<u>NHPC (HYDRO)</u>										
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		
Total NHPC	4065		478.60734	49.06	25.40	25.54	0.00	0.00		

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
Nathpa Jhakri HEP	1500	9	142.05	43.92	25.40	30.68	0.00	0.00		
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		
Total THDC	1400		102.44	69.32	0.00	30.68	0.00	0.00		
Singrauli Hyd	8	19.13	1.53	0.00	0.00	100.00	0.00	0.00		
<u>NPC (NUCLEAR)</u>										
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		
TOTAL NPC	880		102.828	55.53	13.79	30.68	0.00	0.00	0.00	0.00
Allocation from ER										
Tala HEP	1020	2.94	29.99	43.92	25.40	30.68	0.00	0.00		
SASAN	3960	11.25	445.50	14.83	69.83	15.34	0.00	0.00		
DVC(CTPS7 &8)			300.00	44.14	27.63	28.22				
DVC(Mejia6)			100.00	43.92	25.40	30.68	0.00	0.00		
TOTAL	4980		875.488	29.03	48.67	21.93	0.00	0.00	0.00	0.00
Allocation from Long term Bilateral										
CLP Jhajjar(Th)	1320		124.00			100.00				
Mejia-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				
RUMS - DMRC			99.00	47.98	26.57	25.45				
Sun Edision (From 18.11.2019)			90.00			100.00				
Teranda (HYD) (From 08.1.2020)			12.65			100.00				
BRBCL (From 15.01.2020)			5.00							100
JIPTL			9.46							100
TOTAL	2870		875.81	13.39	18.90	66.06	0.00	0.00	0.00	200.0
Total	33445		7540	40.83	22.55	31.45	4.33	0.60	0.01	0.19

**POWER AVAILABILITY-DEMAND POSITION AT THE TIME OF PEAK DEMAND
MET DURING JULY 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	23.14.28	34	152	-6	16	0	11	11	218	5468	5612	-144	5686	0	5686
2	23.21.50	25	150	-2	17	6	17	11	224	5996	6034	-38	6220	0	6220
3	22.56.03	38	149	-3	19	3	19	11	236	6749	6842	-93	6985	0	6985
4	00.00.03	37	150	-4	18	4	20	26	251	6459	6574	-115	6710	0	6710
5	15.36.07	61	146	-2	18	6	18	26	273	6407	6189	218	6680	0	6680
6	00.00.43	72	152	-3	19	5	19	27	291	5714	5946	-232	6005	0	6005
7	15.27.26	36	147	-4	17	5	18	26	245	5957	5814	143	6202	0	6202
8	00.00.00	37	152	-3	19	6	16	27	254	5537	5552	-15	5791	0	5791
9	00.00.57	37	149	-4	19	4	15	27	247	4597	4555	42	4844	0	4844
10	12.03.40	36	149	-1	17	2	20	25	248	5122	5072	50	5370	0	5370
11	23.00.00	34	149	0	18	3	14	29	247	5010	5207	-197	5257	0	5257
12	15.34.11	34	149	-2	18	0	13	26	238	5481	5435	46	5719	0	5719
13	15.05.00	60	149	-2	10	0	17	26	260	5747	5683	64	6007	0	6007
14	15.01.00	34	149	-2	19	0	15	22	237	5665	5795	-130	5902	0	5902
15	00.00.32	36	152	-3	18	0	16	27	246	5367	5325	42	5613	0	5613
16	23.00.36	27	152	-2	18	6	4	24	229	5563	5653	-90	5792	0	5792
17	22.48.14	34	150	-2	17	3	10	25	237	5967	6182	-215	6204	0	6204
18	00.01.17	34	152	-2	17	6	12	26	245	5652	5941	-289	5897	0	5897
19	23.00.54	34	98	315	18	4	17	27	513	5965	5814	151	6478	0	6478
20	22.30.47	34	148	311	19	3	19	22	556	6486	6574	-88	7042	0	7042
21	15.10.37	32	265	279	18	5	17	26	642	6756	6759	-3	7398	0	7398
22	00.00.05	35	261	297	16	7	16	26	658	6270	6241	29	6928	0	6928
23	23.16.28	34	145	271	1	-1	18	26	494	6392	6362	30	6886	0	6886
24	15.23.17	33	269	271	17	-1	19	25	633	6587	6403	184	7220	0	7220
25	15.00.55	34	276	272	19	5	18	25	649	6630	6501	129	7279	0	7279
26	00.00.01	36	272	311	18	6	18	11	672	5999	6062	-63	6671	0	6671
27	14.56.47	34	264	271	17	6	17	11	620	5605	5716	-111	6225	0	6225
28	15.47.24	34	269	272	19	5	18	9	626	5529	5578	-49	6155	0	6155
29	23.06.33	36	-1	309	17	7	16	11	395	4896	4995	-99	5291	0	5291
30	23.15.33	36	-2	300	14	0	14	12	374	5636	5537	99	6010	0	6010
31	22.45.39	35	263	303	10	0	14	11	636	5946	6006	-60	6582	0	6582

POWER AVAILABILITY- DEMAND POSITION AT THE TIME OF MAXIMUM UNRESTRICTED DEMAND DURING JULY 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	23.14.28	34	152	-6	16	0	11	11	218	5468	5612	-144	5686	0	5686
2	23.21.50	25	150	-2	17	6	17	11	224	5996	6034	-38	6220	0	6220
3	22.56.03	38	149	-3	19	3	19	11	236	6749	6842	-93	6985	0	6985
4	00.00.03	37	150	-4	18	4	20	26	251	6459	6574	-115	6710	0	6710
5	15.36.07	61	146	-2	18	6	18	26	273	6407	6189	218	6680	0	6680
6	00.00.43	72	152	-3	19	5	19	27	291	5714	5946	-232	6005	0	6005
7	15.27.26	36	147	-4	17	5	18	26	245	5957	5814	143	6202	0	6202
8	00.00.00	37	152	-3	19	6	16	27	254	5537	5552	-15	5791	0	5791
9	00.00.57	37	149	-4	19	4	15	27	247	4597	4555	42	4844	0	4844
10	12.03.40	36	149	-1	17	2	20	25	248	5122	5072	50	5370	0	5370
11	23.00.00	34	149	0	18	3	14	29	247	5010	5207	-197	5257	0	5257
12	15.34.11	34	149	-2	18	0	13	26	238	5481	5435	46	5719	0	5719
13	15.05.00	60	149	-2	10	0	17	26	260	5747	5683	64	6007	0	6007
14	15.01.00	34	149	-2	19	0	15	22	237	5665	5795	-130	5902	0	5902
15	00.00.32	36	152	-3	18	0	16	27	246	5367	5325	42	5613	0	5613
16	23.00.36	27	152	-2	18	6	4	24	229	5563	5653	-90	5792	0	5792
17	22.48.14	34	150	-2	17	3	10	25	237	5967	6182	-215	6204	0	6204
18	00.01.17	34	152	-2	17	6	12	26	245	5652	5941	-289	5897	0	5897
19	23.00.54	34	98	315	18	4	17	27	513	5965	5814	151	6478	0	6478
20	22.30.47	34	148	311	19	3	19	22	556	6486	6574	-88	7042	0	7042
21	15.10.37	32	265	279	18	5	17	26	642	6756	6759	-3	7398	0	7398
22	00.00.05	35	261	297	16	7	16	26	658	6270	6241	29	6928	0	6928
23	23.16.28	34	145	271	1	-1	18	26	494	6392	6362	30	6886	0	6886
24	15.23.17	33	269	271	17	-1	19	25	633	6587	6403	184	7220	0	7220
25	15.00.55	34	276	272	19	5	18	25	649	6630	6501	129	7279	0	7279
26	00.00.01	36	272	311	18	6	18	11	672	5999	6062	-63	6671	0	6671
27	14.56.47	34	264	271	17	6	17	11	620	5605	5716	-111	6225	0	6225
28	15.47.24	34	269	272	19	5	18	9	626	5529	5578	-49	6155	0	6155
29	23.06.33	36	-1	309	17	7	16	11	395	4896	4995	-99	5291	0	5291
30	23.15.33	36	-2	300	14	0	14	12	374	5636	5537	99	6010	0	6010
31	22.45.39	35	263	303	10	0	14	11	636	5946	6006	-60	6582	0	6582

**SOURCEWISE SCHEDULED DRAWL FROM NORTHERN GRID AS WELL AS
AVAILABILITY WITHIN DELHI FOR JULY 2023
(ALL FIGURES IN MUS)**

GENERATION WITHIN DELHI	AVAILABILITY	SCHEDULE
Rajghat Power House	0.000	0.000
Gas Turbine	55.7805	26.19375
Pragati-I	221.938	119.54975
Pragati-III (Bawana)	769.7504	70.2115105
Rithala	0.000	0.000
Badarpur	0.000	0.000
Renewable (include WTE)	43.267388	43.267388
Total (i to vi)	1090.736288	259.2223985

NAME OF STATION	AVAILABILITY	SCHEDULE
Gas based station		
ANTA GPP-GF	30.224	0.000
ANTA GPP-LF	--	
ANTA GPP-RF	--	0.101
ANTA CRF	--	0.012
AURAIYA GPP-GF	49.453	0.000
AURAIYA GPP-LF	--	0.000
AURAIYA GPP-RF	--	1.126
AURAIYA CRF	--	0.058
DADRI GPP-GF	56.454	0.000
DADRI GPP-LF	--	0.000
DADRI GPP-RF	--	1.122
DADRI CRF	--	0.030
Coal Based Station	--	--
SINGRAULI STPS	0.667	0.667
RIHAND STPS	71.829	67.464
RIHAND-II STPS	92.280	67.464
RIHAND3	96.330	91.195
DADRI II	530.452	293.724
UNCHAHAHAR-I TPS	14.919	10.038
UNCHAHAHAR-II TPS	33.152	25.440
UNCHAHAHAR-III TPS	20.305	14.527
UNCHAHAHAR - IV TPS	0.000	0.000
JHAJJAR	507.400	265.468
Meja TPS	0.000	0.000
Tanda-II TPS	0.000	0.000
FARAKA	11.964	9.403
KAHALGAON1	24.367	19.985
KAHALGAON2	104.384	88.990
SASAN	290.994	291.331
Nabinagar STPS(BRBCL)	10.584	10.814

NAME OF STATION	AVAILABILITY	SCHEDULE
Hydro Station		
BAIRASIUL HEP	1.126	1.126
SALAL HEP	57.325	57.325
TANAKPUR HEP	7.755	7.755
CHAMERA HEP	31.711	31.711
CHAMERA HEP-II	16.516	16.516
CHAMERA III	16.516	16.516
URI HEP	35.507	35.507
URI 2 HEP	23.719	23.719
SEWA-II	9.957	9.957
DHAULIGANGA HEP	25.999	25.999
DULHASTI HEP	22.435	22.435
Parvati3	6.514	6.514
NATHPA JHAKRI HEP	100.803	100.803
TEHRI HEP	21.203	21.203
KOTESWAR	11.453	11.453
SINGRAULI SHEP	96.858	96.858
TALA	20.191	20.191
Kishan Ganag	0.000	0.000
Koldam	0.000	0.000
Rampur	0.000	0.000
Nuclear Station		
NAPP	28.895	28.895
RAPP C	37.880	37.880
RAPPB_4 C	0.000	0.000
Special Allocation from SR & WR		
Ramagundum STPS I&II	0.000	0.000
Ramagundum STPS III	0.000	0.000
TALCHER STPS-II	0.000	0.000
SIMHADRI STPS -II	0.000	0.000
KUDGI STPS -I	52.826	52.826
Total	2570.944	1884.146
LTA	888.914938	888.914938
TOTAL ISGS	3459.859	2773.061
TOTAL AVAILABILITY	4550.595	3032.284
Total Short Term Purchase	1182.90408	1182.90408

8. SHEDDING DETAILS DURING THE MONTH OF JULY 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
01.07.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
02.07.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
03.07.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
04.07.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
05.07.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
06.07.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
07.07.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
08.07.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
09.07.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10.07.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11.07.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12.07.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
13.07.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14.07.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15.07.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
16.07.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17.07.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
18.07.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
19.07.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20.07.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
21.07.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22.07.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
23.07.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
24.07.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25.07.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
26.07.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27.07.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
28.07.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
29.07.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30.07.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
31.07.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TOTAL	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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				
1	13	14	15	16	17	18	19	20	21	22	23	24=8 to 23	25=7+24
01.07.23	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
02.07.23	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
03.07.23	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
04.07.23	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
05.07.23	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
06.07.23	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
07.07.23	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
08.07.23	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
09.07.23	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
10.07.23	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
11.07.23	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
12.07.23	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
13.07.23	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
14.07.23	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
15.07.23	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
16.07.23	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
17.07.23	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
18.07.23	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
19.07.23	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
20.07.23	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
21.07.23	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
22.07.23	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
23.07.23	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
24.07.23	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
25.07.23	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
26.07.23	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
27.07.23	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
28.07.23	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
29.07.23	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
30.07.23	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
31.07.23	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
TOTAL	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		
1	26	27	28	29	30	31	32	33	34
01.07.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
02.07.23	0.000	0.000	0.000	0.000	0.000	0.000	0.013	0.000	0.000
03.07.23	0.000	0.000	0.027	0.000	0.000	0.000	0.000	0.000	0.000
04.07.23	0.000	0.022	0.000	0.000	0.000	0.000	0.010	0.000	0.000
05.07.23	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.000	0.000
06.07.23	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.000	0.000
07.07.23	0.000	0.000	0.000	0.000	0.000	0.000	0.006	0.000	0.000
08.07.23	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.020	0.000
09.07.23	0.000	0.011	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10.07.23	0.000	0.001	0.003	0.000	0.000	0.000	0.000	0.005	0.000
11.07.23	0.000	0.015	0.000	0.000	0.000	0.000	0.000	0.002	0.000
12.07.23	0.000	0.000	0.000	0.000	0.000	0.000	0.027	0.000	0.000
13.07.23	0.000	0.000	0.009	0.000	0.000	0.000	0.000	0.000	0.000
14.07.23	0.000	0.006	0.003	0.000	0.000	0.000	0.003	0.000	0.000
15.07.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
16.07.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.000
17.07.23	0.000	0.000	0.000	0.000	0.000	0.000	0.019	0.000	0.000
18.07.23	0.000	0.035	0.000	0.000	0.000	0.000	0.002	0.001	0.000
19.07.23	0.000	0.000	0.002	0.000	0.000	0.000	0.000	0.000	0.000
20.07.23	0.000	0.000	0.005	0.000	0.000	0.000	0.000	0.000	0.000
21.07.23	0.000	0.000	0.030	0.000	0.000	0.000	0.000	0.000	0.000
22.07.23	0.000	0.000	0.000	0.000	0.000	0.000	0.036	0.000	0.000
23.07.23	0.000	0.000	0.013	0.000	0.000	0.000	0.046	0.000	0.000
24.07.23	0.000	0.000	0.000	0.000	0.000	0.000	0.015	0.000	0.000
25.07.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
26.07.23	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.000	0.000
27.07.23	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.003	0.000
28.07.23	0.000	0.012	0.000	0.000	0.000	0.000	0.017	0.000	0.000
29.07.23	0.000	0.018	0.000	0.000	0.000	0.000	0.011	0.000	0.000
30.07.23	0.000	0.000	0.003	0.000	0.000	0.000	0.000	0.000	0.000
31.07.23	0.004	0.001	0.000	0.000	0.000	0.000	0.008	0.000	0.000
TOTAL	0.004	0.122	0.096	0.000	0.000	0.000	0.223	0.034	0.000

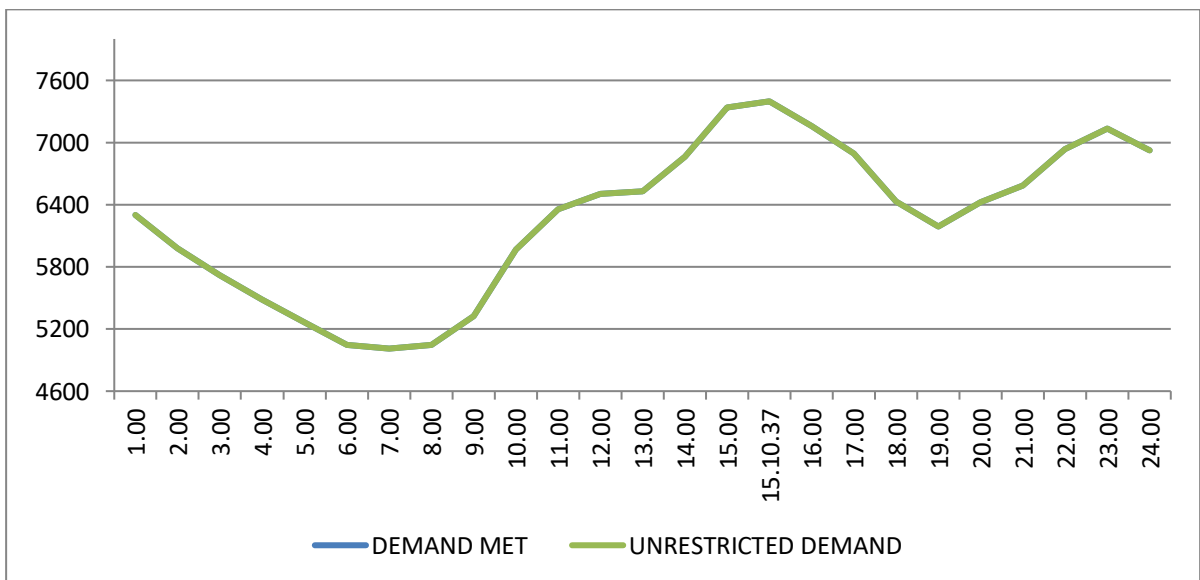
DATE	OTHER AGENCIES LIKE GENCO, BBMB, BTPS ETC.				THEFT PRONE SHEDDING			TOTAL SHEDDING DUE TO T&D CONSTS. & THEFT PRONE 42= 26 to 41	GRAND TOTAL 43 = 25 + 42
	BSES		TPDDL	NDMC	BSES		TPDDL		
	BYPL	BRPL			BYPL	BRPL			
1	35	36	37	38	39	40	41		
01.07.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
02.07.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.013	0.013
03.07.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.027	0.027
04.07.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.032	0.032
05.07.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.003
06.07.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.002
07.07.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.006	0.006
08.07.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.022	0.022
09.07.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.011	0.011
10.07.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.009	0.009
11.07.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.016	0.016
12.07.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.027	0.027
13.07.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.009	0.009
14.07.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.012	0.012
15.07.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
16.07.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.002
17.07.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.019	0.019
18.07.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.039	0.039
19.07.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.002
20.07.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.006	0.006
21.07.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.030	0.030
22.07.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.036	0.036
23.07.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.060	0.060
24.07.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.015	0.015
25.07.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
26.07.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.003
27.07.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.004
28.07.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.029	0.029
29.07.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.029	0.029
30.07.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.003
31.07.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.014	0.014
TOTAL	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.479	0.479

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
01.07.23	116.808	5686	23:14:28	0	5686	5686	23:14:28	5686	0
02.07.23	116.747	6220	23:21:50	0	6220	6220	23:21:50	6220	0
03.07.23	135.011	6983	22:56:03	0	6983	6983	22:56:03	6983	0
04.07.23	140.146	6693	0:00:03	0	6693	6693	0:00:03	6693	0
05.07.23	132.770	6680	15:36:07	0	6680	6680	15:36:07	6680	0
06.07.23	124.433	6006	0:00:43	0	6006	6006	0:00:43	6006	0
07.07.23	125.140	6202	15:27:26	0	6202	6202	15:27:26	6202	0
08.07.23	111.269	5790	0:00:00	0	5790	5790	0:00:00	5790	0
09.07.23	101.242	4843	0:00:57	0	4843	4843	0:00:57	4843	0
10.07.23	108.102	5369	12:03:40	0	5369	5369	12:03:40	5369	0
11.07.23	111.383	5257	23:00:00	0	5257	5257	23:00:00	5257	0
12.07.23	117.293	5719	15:34:11	0	5719	5719	15:34:11	5719	0
13.07.23	125.752	6007	15:05:00	0	6007	6007	15:05:00	6007	0
14.07.23	128.826	5902	15:01:00	0	5902	5902	15:01:00	5902	0
15.07.23	125.050	5613	0:00:32	0	5613	5613	0:00:32	5613	0
16.07.23	116.774	5792	23:00:36	0	5792	5792	23:00:36	5792	0
17.07.23	132.147	6204	22:48:14	0	6204	6204	22:48:14	6204	0
18.07.23	127.473	5896	00.01.17	0	6204	6204	00.01.17	5896	0
19.07.23	133.129	6478	23:00:54	0	6478	6478	23:00:54	6478	0
20.07.23	142.901	7042	22:30:47	0	7042	7042	22:30:47	7042	0
21.07.23	149.573	7398	15:10:37	0	7398	7398	15:10:37	7398	0
22.07.23	146.670	6928	0:00:05	0	6928	6928	0:00:05	6928	0
23.07.23	140.086	6886	23:16:28	0	6886	6886	23:16:28	6886	0
24.07.23	146.020	7220	15:23:37	0	7220	7220	15:23:37	7220	0
25.07.23	148.392	7279	15:00:55	0	7279	7279	15:00:55	7279	0
26.07.23	128.530	6671	0:00:01	0	6671	6671	0:00:01	6671	0
27.07.23	130.030	6225	14:56:47	0	6225	6225	14:56:47	6225	0
28.07.23	125.825	6155	15:47:24	0	6155	6155	15:47:24	6155	0
29.07.23	112.213	5290	23:06:33	0	5290	5290	23:06:33	5290	0
30.07.23	113.597	6011	23:15:33	0	6011	6011	23:15:33	6011	0
31.07.23	131.208	6591	22:45:39	0	6591	6591	22:45:39	6591	0
TOTAL	3944.540	7398	15.10.37						
		21.07.23							

9. **LOAD PATTERN OF DELHI ON THE DAY OF PEAK DEMAND MET DURING JULY 2023 ON 21.07.2023 - 7398MW AT 15.10.37HRS.**

All figures in MW

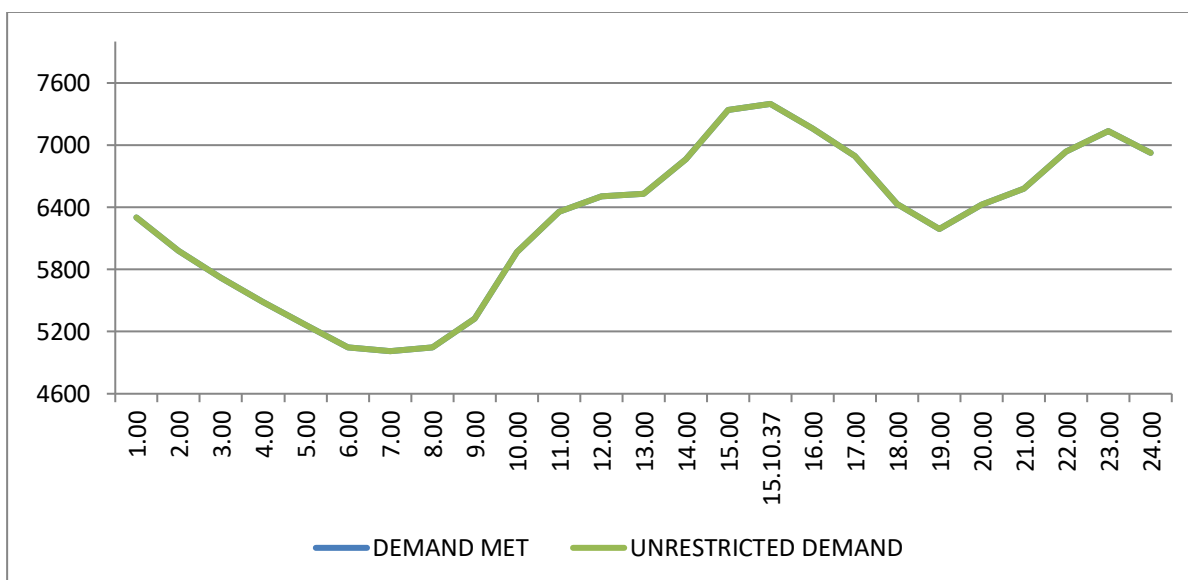
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	6303	0	6303
2.00	5982	0	5982
3.00	5722	0	5722
4.00	5488	0	5488
5.00	5263	0	5263
6.00	5046	0	5046
7.00	5011	0	5011
8.00	5049	0	5049
9.00	5324	0	5324
10.00	5969	0	5969
11.00	6359	0	6359
12.00	6505	0	6505
13.00	6528	0	6528
14.00	6862	0	6862
15.00	7340	0	7340
15.10.37	7398	0	7398
16.00	7159	0	7159
17.00	6895	0	6895
18.00	6430	0	6430
19.00	6191	0	6191
20.00	6426	0	6426
21.00	6582	0	6582
22.00	6939	0	6939
23.00	7135	0	7135
24.00	6924	0	6924
Total (IN MUS)	149.573	0.030	149.603



10 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UN-RESTRICTED DEMAND DURING JULY 2023 ON 21.07.2023-7398MW AT 15.10.37HRS.

All figures in MW

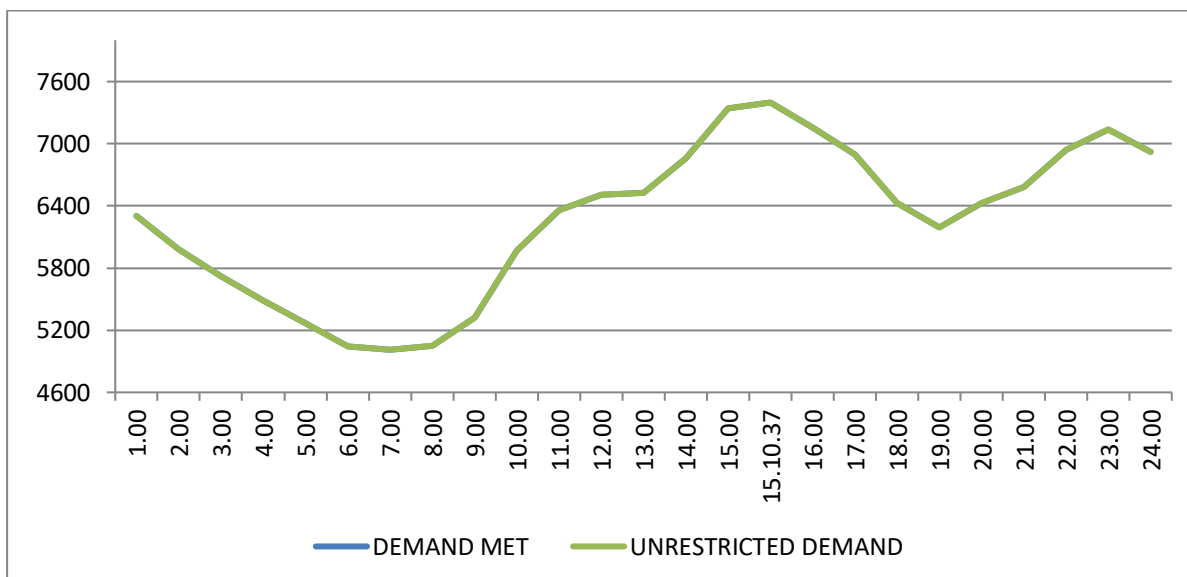
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	6303	0	6303
2.00	5982	0	5982
3.00	5722	0	5722
4.00	5488	0	5488
5.00	5263	0	5263
6.00	5046	0	5046
7.00	5011	0	5011
8.00	5049	0	5049
9.00	5324	0	5324
10.00	5969	0	5969
11.00	6359	0	6359
12.00	6505	0	6505
13.00	6528	0	6528
14.00	6862	0	6862
15.00	7340	0	7340
15.10.37	7398	0	7398
16.00	7159	0	7159
17.00	6895	0	6895
18.00	6430	0	6430
19.00	6191	0	6191
20.00	6426	0	6426
21.00	6582	0	6582
22.00	6939	0	6939
23.00	7135	0	7135
24.00	6924	0	6924
Total (IN MUS)	149.573	0.030	149.603



11 **LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM ENERGY CONSUMED DURING JULY 2023 – 21.07.2023 – 149.573Mus**

All figures in MW

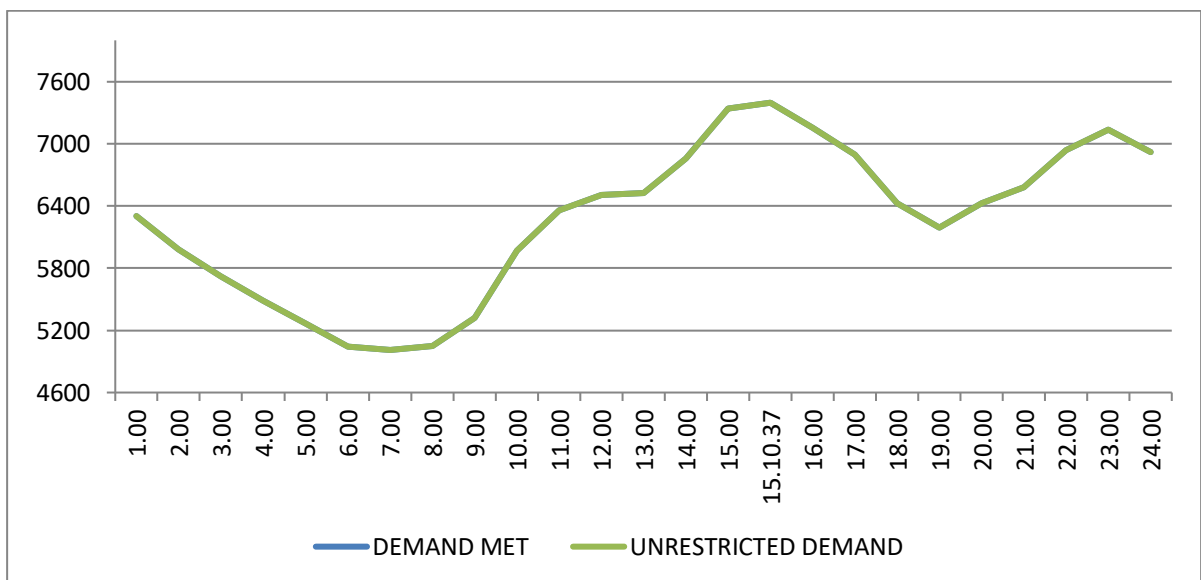
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	6303	0	6303
2.00	5982	0	5982
3.00	5722	0	5722
4.00	5488	0	5488
5.00	5263	0	5263
6.00	5046	0	5046
7.00	5011	0	5011
8.00	5049	0	5049
9.00	5324	0	5324
10.00	5969	0	5969
11.00	6359	0	6359
12.00	6505	0	6505
13.00	6528	0	6528
14.00	6862	0	6862
15.00	7340	0	7340
15.10.37	7398	0	7398
16.00	7159	0	7159
17.00	6895	0	6895
18.00	6430	0	6430
19.00	6191	0	6191
20.00	6426	0	6426
21.00	6582	0	6582
22.00	6939	0	6939
23.00	7135	0	7135
24.00	6924	0	6924
Total (IN MUS)	149.573	0.030	149.603



12 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UNRESTRICTED ENERGY DEMAND DURING JULY 2023 - ON 21.07.2023- 149.603MUs

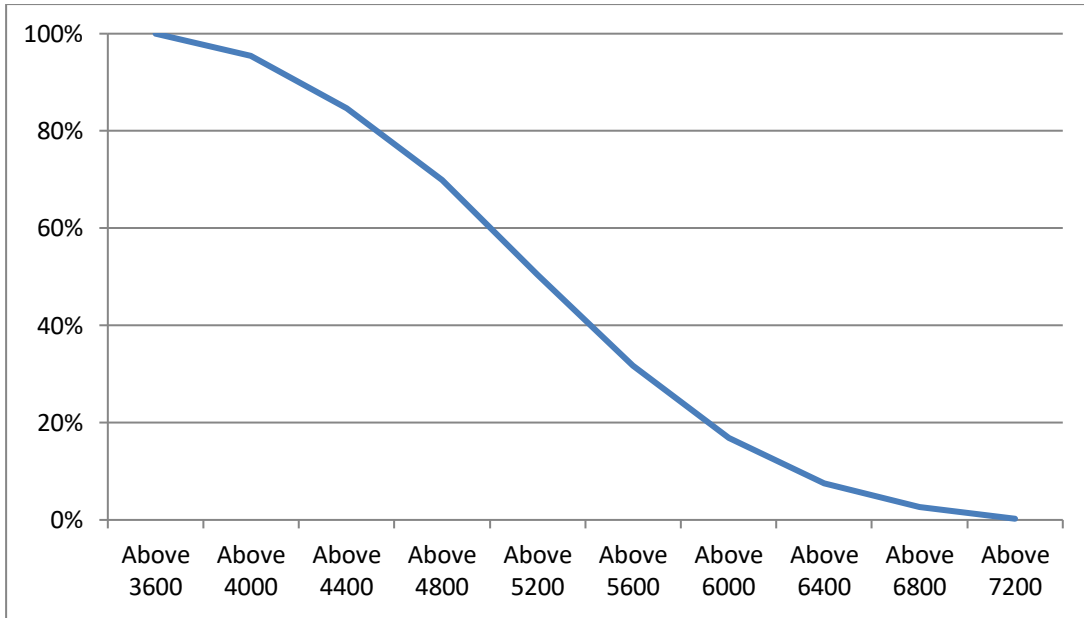
All figures in MW

Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	6303	0	6303
2.00	5982	0	5982
3.00	5722	0	5722
4.00	5488	0	5488
5.00	5263	0	5263
6.00	5046	0	5046
7.00	5011	0	5011
8.00	5049	0	5049
9.00	5324	0	5324
10.00	5969	0	5969
11.00	6359	0	6359
12.00	6505	0	6505
13.00	6528	0	6528
14.00	6862	0	6862
15.00	7340	0	7340
15.10.37	7398	0	7398
16.00	7159	0	7159
17.00	6895	0	6895
18.00	6430	0	6430
19.00	6191	0	6191
20.00	6426	0	6426
21.00	6582	0	6582
22.00	6939	0	6939
23.00	7135	0	7135
24.00	6924	0	6924
Total (IN MUS)	149.573	0.030	149.603



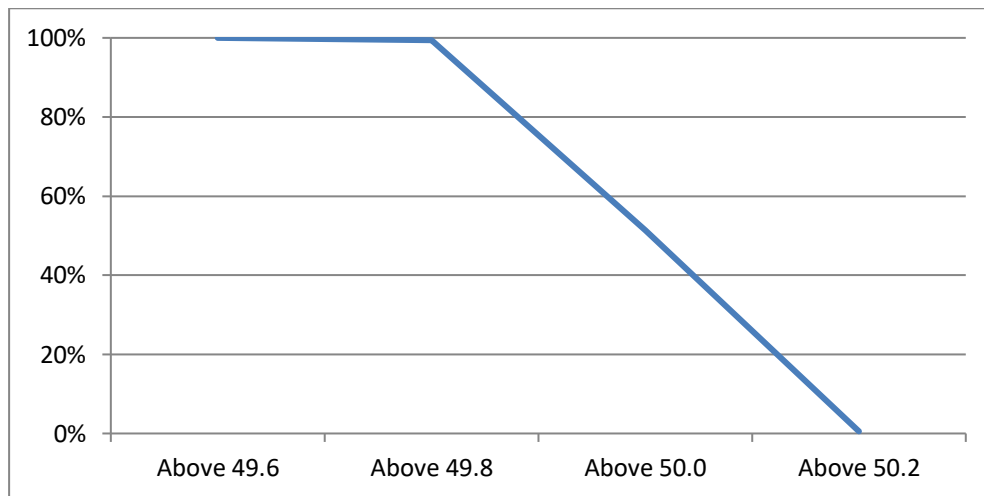
13 LOAD DURATION CURVE FOR JULY 2023

LOAD REMAINED ABOVE IN MW	(%) OF TIME
Above 3600	100%
Above 4000	95.40%
Above 4400	84.68%
Above 4800	69.93%
Above 5200	50.47%
Above 5600	31.69%
Above 6000	16.83%
Above 6400	7.53%
Above 6800	2.65%
Above 7200	0.24%



14 FREQUENCY ANALYSIS FOR THE MONTH OF JULY 2023

FREQUENCY REMAINED ABOVE IN HZ	(%) OF TIME
Above 49.6	100%
Above 49.8	99.35%
Above 50.0	51.43%
Above 50.2	0.54%



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

All figures in kV

Date	NARELA		GAZIPUR	
	Max	Min	Max	Min
01.07.23	226.70	216.32	231.39	217.35
02.07.23	227.11	216.59	228.55	217.75
03.07.23	226.09	209.49	227.88	209.83
04.07.23	225.52	215.94	227.65	215.97
05.07.23	225.57	214.83	226.91	214.42
06.07.23	226.63	217.22	228.05	219.43
07.07.23	225.38	217.40	226.40	218.50
08.07.23	227.80	219.46	230.54	221.88
09.07.23	230.69	220.13	232.98	222.30
10.07.23	228.21	216.75	230.12	218.22
11.07.23	230.02	218.65	232.40	218.67
12.07.23	227.58	217.99	228.76	217.68
13.07.23	227.95	217.10	229.74	217.28
14.07.23	224.74	216.14	232.26	222.38
15.07.23	225.76	214.78	234.61	220.60
16.07.23	228.28	218.58	232.42	222.31
17.07.23	226.79	217.59	231.30	220.67
18.07.23	226.42	217.29	231.31	219.99
19.07.23	226.43	215.61	230.44	216.88
20.07.23	225.05	212.67	227.89	214.77
21.07.23	224.95	211.85	227.90	214.46
22.07.23	224.77	214.43	227.33	216.65
23.07.23	225.48	209.65	228.36	217.10
24.07.23	224.56	210.57	227.77	214.64
25.07.23	224.69	210.84	228.67	213.85
26.07.23	227.02	219.10	230.01	221.64
27.07.23	226.02	216.38	229.35	219.44
28.07.23	225.05	217.51	227.79	220.06
29.07.23	227.43	217.49	233.05	219.85
30.07.23	227.00	217.49	229.55	219.37
31.07.23	225.72	214.55	228.92	216.53

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

All figures in kV

Date	400kV Bamnauli Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01.07.23	414.61	6:01:46	396.4	20:50:00	405.63
02.07.23	414.94	8:00:30	398.84	14:21:17	406.9
03.07.23	412.3	16:34:44	395.76	19:46:17	402.24
04.07.23	413.66	15:28:20	394.69	22:05:33	403.45
05.07.23	416.42	6:02:58	395.87	12:25:27	406.27
06.07.23	416.13	3:36:30	400.15	11:46:42	408.58
07.07.23	414.53	4:23:05	398.52	22:35:12	406.63
08.07.23	417.84	7:48:42	401.08	22:46:38	409.59
09.07.23	420.58	16:35:58	400.41	20:27:02	412.17
10.07.23	417.5	3:58:10	397.28	10:41:25	408.55
11.07.23	420.19	4:21:02	399.89	20:20:43	408.09
12.07.23	416.1	6:02:16	397.84	11:38:31	406.82
13.07.23	417.03	5:00:42	395.21	14:23:51	407.13
14.07.23	416.93	8:01:06	396.8	12:39:36	407.29
15.07.23	416.47	5:03:18	394.14	11:27:46	407.6
16.07.23	419.38	8:00:59	398.87	20:41:43	410.32
17.07.23	417.06	4:01:46	397.86	21:37:58	406.46
18.07.23	414.45	4:56:34	398.1	22:32:23	406.19
19.07.23	414.87	5:01:04	394.55	22:23:53	406.16
20.07.23	413.84	7:03:59	393.6	14:21:28	403.82
21.07.23	414.41	5:01:25	390.71	14:23:55	403.02
22.07.23	414.57	8:00:59	391.95	22:44:13	404.65
23.07.23	413.94	7:01:37	383.02	23:32:12	404.22
24.07.23	411.31	6:01:32	387.54	14:50:24	401.09
25.07.23	414.29	7:42:28	386.72	14:41:28	403.2
26.07.23	417.69	6:58:24	400.85	22:25:00	409.05
27.07.23	415.84	5:01:10	397.77	22:17:01	407.14
28.07.23	416.3	8:01:03	398.15	14:37:45	408.16
29.07.23	417.76	4:15:10	397.61	14:23:07	407.63
30.07.23	417.05	8:01:19	396.78	14:23:18	407.81
31.07.23	414.35	2:55:05	391.97	21:47:24	404.49

All figures in kV

Date	400kV Bawana Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01.07.23	412.07	6:01:49	394.64	14:51:34	403.86
02.07.23	411.88	8:00:34	387.8	20:44:23	403.02
03.07.23	411.14	4:03:01	382.79	14:17:23	400.6
04.07.23	409	18:02:16	392.58	12:26:06	400.6
05.07.23	411	6:03:03	393.33	12:39:06	402.08
06.07.23	412.66	6:57:53	396.11	20:06:32	404.49
07.07.23	410.16	7:03:00	395.12	14:55:34	401.15
08.07.23	413.39	6:30:34	399.34	0:04:38	407.03
09.07.23	418.88	7:01:39	400.71	20:27:10	410.31
10.07.23	415.72	3:58:12	394.11	10:48:55	405.86
11.07.23	416.34	4:20:48	395.97	11:43:24	404.35
12.07.23	413.34	6:04:18	395.17	11:42:14	403.74
13.07.23	414.01	5:00:42	392.76	14:24:10	404.33
14.07.23	411.9	8:01:46	394.66	12:16:03	404.24
15.07.23	413	6:01:46	391.77	11:26:30	404.68
16.07.23	414.98	8:00:46	398.33	22:14:40	406.9
17.07.23	412.33	4:01:48	396.27	22:02:12	403.43
18.07.23	411.59	4:56:32	395.76	11:55:27	403.35
19.07.23	412.19	7:04:40	394.05	14:26:42	402.84
20.07.23	410.15	7:01:04	389.21	11:35:49	400.56
21.07.23	409.44	6:02:47	390.46	14:24:28	400.39
22.07.23	410.82	7:57:26	392.07	22:37:02	402.06
23.07.23	410.71	7:01:38	390.31	22:16:28	401.88
24.07.23	408.57	7:51:37	387.03	14:50:48	398.96
25.07.23	410.05	7:41:13	385.66	14:36:56	399.64
26.07.23	414.78	6:27:54	399.76	14:39:04	406.05
27.07.23	411.93	5:01:17	395.63	14:53:46	404.02
28.07.23	412.17	8:00:30	400.05	10:14:57	406.1
29.07.23	415.29	7:10:08	393.74	14:24:07	406.01
30.07.23	412.56	8:01:30	392.7	14:21:18	404.25
31.07.23	410.36	5:01:16	385.73	10:30:47	400.9

DETAILS OF BREAK-DOWNS/TRIPPING DURING THE MONTH OF JULY 2023

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
1	01.07.23	14:59	DIAL 220/66kV 160MVA Tx-II	01.07.23	15:20	86, OSR.
2	02.07.23	13:23	PRAGATI 220/66kV 160MVA Tx-I	02.07.23	15:04	86, LBB, DIFFERENTIAL, RYB PHASE, HV REF.
3	02.07.23	13:23	PRAGATI 220/66kV 160MVA Tx-II	02.07.23	14:21	86, 96T, INTERTRIP.
4	03.07.23	12:28	220KV BAWANA-SHALIMARBAGH CKT-I	03.07.23	13:09	AT BAWANA : MASTER RELAY 86.
5	03.07.23	14:50	220KV BAWANA - KANJHAWALA CKT - 1	03.07.23	16:50	AT BAWANA : DIST PROT, ZONE-I, DIST 8.7KM, R&Y PHASE.
6	03.07.23	14:50	KANJHAWALA 220/66kV 100MVA Tx-II	03.07.23	16:08	86, E/F.
7	04.07.23	9:53	PAPPANKALAN-II 220/66kV 100MVA Tx-II	04.07.23	12:20	86, SPR, LBB.
8	04.07.23	14:53	MUNDKA 220/66kV 160MVA Tx-II	04.07.23	15:53	SPS PROTECTION RELAY.
9	04.07.23	14:53	MUNDKA 400/220kV 315MVA ICT-IV	04.07.23	20:57	86, I/C TRIPPED ON SPS.
10	05.07.23	7:45	220KV PRAGATI - SARITA VIHAR CKT - I	05.07.23	13:59	AT SARITA VIHAR : DIST PROT, ZONE-I, DIST 7.205KM, E/F, RYB PHASE, 86AB.
11	05.07.23	9:38	PAPPANKALAN-II 220/66kV 100MVA Tx-II	05.07.23	15:35	SPR, 86, LBB.
12	06.07.23	5:46	220KV BAWANA-DSIIDC BAWANA CKT-II	06.07.23	14:15	AT BAWANA : DIST PROT, DIST 5.44KM, ZONE-II, RYB PHASE.
13	06.07.23	17:49	220KV MAHARANI BAGH - SARITA VIHAR CKT	06.07.23	20:40	AT SARITA VIHAR : DIST PROT, ZONE-I, DIST 7.643KM, 86, AUTO RECLOSE, 186A&B
14	08.07.23	11:12	220KV BAMNAULI-PAPPANKALAN-III CKT-II	08.07.23	15:10	AT BAMNAULI : DIST PROT, C PHASE.
15	08.07.23	17:01	220KV GOPALPUR-SUBZI MANDI CKT-I	08.07.23	17:50	AT GOPALPUR :POLE DISCRIPANCY.
16	08.07.23	18:58	RAJGHAT 220/33kV 100MVA Tx-2	08.07.23	20:35	TRIPPED WITHOUT INDICATOIN.
17	09.07.23	3:05	NARAINA 33/11kV, 16MVA Tx-I	09.07.23	12:28	86, BUCHOLZ.
18	09.07.23	10:35	OKHLA 220/66kV 100MVA Tx-II	09.07.23	10:50	I/C TRIPPED ON O/C, Y & B PHASE.
19	09.07.23	10:35	OKHLA 220/66kV 100MVA Tx-I	09.07.23	11:05	I/C TRIPPED ON O/C, Y & B PHASE.
20	09.07.23	14:00	GOPALPUR 33/11kV, 16MVA Tx-I	09.07.23	21:00	DIFFERENTIAL, RYB PHASE, O/C, E/F
21	09.07.23	14:00	GOPALPUR 33/11kV, 16MVA Tx-II	10.07.23	15:26	I/C TRIPPED DUE TO FLASH IN 11KV BUS BAR.
22	09.07.23	21:46	MASJID MOTH 220/33kV 100MVA Tr-III	09.07.23	22:55	TRIPPED WITHOUT INDICATION.
23	10.07.23	3:45	DIAL 220/66kV 160MVA Tx-II	10.07.23	11:43	AT DIAL : GEN TRIP, DIFFERENTIAL, R PHASE, 86A&B, REF.
24	10.07.23	6:05	MASJID MOTH 220/33kV 100MVA Tr-III	10.07.23	6:45	TRIPPED WITHOUT INDICATION.
25	10.07.23	8:53	ROHINI 220/66kV 100MVA Tx-III	10.07.23	9:59	E/F, O/C, 86.
26	10.07.23	8:53	ROHINI 220/66kV 100MVA Tx-IV	10.07.23	9:59	I/C TRIPPED ON WITHOUT INDICATION.
27	10.07.23	22:30	MASJID MOTH 220/33kV 100MVA Tr-III	10.07.23	22:52	TRIPPED WITHOUT INDICATOIN.
28	11.07.23	14:00	220KV BAMNAULI-NAJAFGARH CKT-II	11.07.23	14:05	AT NAJAFGARH : DIST PROT, B PHASE. AT BAMNAULI : DIFFERENTIAL, B PHASE, POLE DISCRIPANCY, 86.
29	11.07.23	14:08	220KV GOPALPUR-MANDOLACKT-I	11.07.23	20:04	AT GOPALPUR : DIST PROT, ZONE-I, DIST PROT, R PHASE
30	11.07.23	16:49	MUNDKA 220/66kV 160MVA Tx-III	11.07.23	17:25	I/C TRIPPED ON 86
31	12.07.23	14:10	OKHLA 220/66kV 100MVA Tx-I	12.07.23	14:55	I/C TRIPPED ON O/C. Y PHASE.

SL N O	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
32	12.07.23	14:18	DIAL 220/66kV 160MVA Tx-I	12.07.23	19:56	GEN TRIP, RYB PHASE, 86A&B, DIFFERENTIAL.
33	13.07.23	16:18	SUBZI MANDI 220/33kV 100MVA Tx-II	13.07.23	18:37	TR. TRIPPED WITHOUT INDICATOIN.
34	13.07.23	16:54	SARITA VIHAR 220/66kV 100MVA Tx-II	13.07.23	17:58	O/C, 86, E/F.
35	13.07.23	22:38	GOPALPUR 220/66kV 160MVA Tx	13.07.23	22:56	E/F
36	14.07.23	17:30	MEHRAULI 66/11kV, 20MVA Tx-I	14.07.23	18:20	86
37	17.07.23	1:45	OKHLA 66/11kV, 20MVA Tx-II	17.07.23	10:50	O/C, ANY TRIP.
38	17.07.23	10:07	220kV KANJHAWALA-NAJAFGARH CKT	17.07.23	13:15	AT KHANJAWALA : B PHASE, E/F, DIST PROT, ZONE-II, DIST 16.6KM.
39	17.07.23	14:43	220kV BAMNAULI-PAPPANKALAN-II CKT-I	17.07.23	17:08	AT PAPANALAN-II : DIST PROT, ZONE-I, DIST 1.7KM, BC PHASE. AT BAMNAULI : DIST PROT, ZONE-I, DIST 8.2KM BC PHASE.
40	18.07.23	8:43	LODHI RD 33/11kV, 20MVA Tx-I	18.07.23	14:36	MASTER RELAY, 86, DIFFERENTIAL, R PHASE.
41	18.07.23	10:44	KASHMIRI GATE 220/33kV 100MVA Tx-II	18.07.23	16:52	86, B PHASE, O/C.
42	18.07.23	14:57	OKHLA 220/33kV 100MVA Tx-IV	18.07.23	15:35	O/C, ANY TRIP.
43	18.07.23	14:57	OKHLA 220/33kV 100MVA Tx-V	18.07.23	15:35	O/C, Y & B PHASE.
44	18.07.23	14:57	OKHLA 220/33kV 100MVA Tx-III	18.07.23	15:35	O/C, ANY TRIP.
45	19.07.23	10:06	220kV DEV NAGAR - PARK STREET CKT.	19.07.23	17:05	AT DEV NAGAR : O/C, Y PHASE, ABC PHASE.
46	19.07.23	12:15	NARAINA 33/11kV, 16MVA Tx-I	19.07.23	14:23	I/C TRIP ON SPR, 86.
47	20.07.23	11:36	220KV BAWANA-SHALIMARBAGH CKT-I	20.07.23	14:34	AT BAWANA : DIST PROT, DIST 10.67KM, MASTER 86, R PHASE.
48	20.07.23	12:28	GOPALPUR 220/33kV 100MVA Tx-I	20.07.23	15:30	30, OTI
49	20.07.23	14:45	220KV BAWANA-SHALIMARBAGH CKT-II	20.07.23	17:30	AT BAWANA : DIST PROT, ZONE-II, DIST 13.22KM, B PHASE.
50	21.07.23	6:01	PRAGATI 220/66kV 160MVA Tx-II	21.07.23	12:22	PRV, 96C, 86, 30.
51	21.07.23	11:09	220kV OKHLA - BTPS CKT. - II	21.07.23	16:10	AT OKHLA : B PHASE, DIST PROT, ZONE-I, AUTO RECLOSE. AT BTPS : GEN TRIP, ZONE-I, B PHASE, DIST PROT, DIST 5.43KM.
52	21.07.23	12:30	220kV NARELA - MANDOLA CKT-I	21.07.23	16:55	AT NARELA : DIST PROT, ZONE-I, R PHASE, 86ABC.
53	21.07.23	12:35	220kV NARELA - MANDOLA CKT-II	21.07.23	15:54	AT NARELA : DIST PROT, ZONE-I, 86B&C. Y PHASE.
54	21.07.23	14:08	220KV PEERAGARHI-WAZIRPUR CKT-I	21.07.23	14:24	AT PEERAGARHI : 86.
55	22.07.23	3:00	SUBZI MANDI 33/11kV, 16MVA Tx-II	22.07.23	18:53	DIFFERENTIAL, 86, TRIP ABC.
56	23.07.23	20:21	220kV NARELA - MANDOLA CKT-II	23.07.23	22:08	AT MANDOLA : 220kV Bus bar protection operated on 220kV Bus-I&II at 400kV Mandola
57	23.07.23	20:21	220kV GOPALPUR-MANDOLACKT-II	23.07.23	22:27	AT MANDOLA : 220kV Bus bar protection operated on 220kV Bus-I&II at 400kV Mandola
58	23.07.23	20:21	220kV GOPALPUR-MANDOLACKT-I	23.07.23	22:27	AT MANDOLA : 220kV Bus bar protection operated on 220kV Bus-I&II at 400kV Mandola
59	23.07.23	20:21	220kV NARELA - MANDOLA CKT-I	23.07.23	21:08	AT MANDOLA : 220kV Bus bar protection operated on 220kV Bus-I&II at 400kV Mandola
60	23.07.23	20:21	220kV GOPALPUR-SUBZI MANDI CKT-I	**		AT GOPALPUR : DIST PROT, ZONE-I, DIST 2.826KM.

SL N O	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
61	23.07.23	20:21	220kV GOPALPUR-SUBZI MANDI CKT-II	23.07.23	20:25	AT SUBZI MANDI : SUPPLY FAILED.
62	24.307.23	10:54	220kV SARITA VIHAR - BTPS CKT.- II	24.307.23	14:17	AT BTPS : CKT. TRIPPED WITHOUT INDICATION.
63	26.07.23	11:45	220kV WAZIRABAD - KASHMEREGATE CKT-I	26.07.23	12:00	AT KASHMIRI GATE : 186A&B
64	27.07.23	6:25	RAJGHAT 220/33kV 100MVA Tx-I	27.07.23	7:10	O/C, 86, E/F.
65	27.07.23	13:55	220KV MASJID MOTH - TUGLAKABAD CKT.-I	27.07.23	14:20	AT MASJID MOTH : CB TRIP.
66	27.07.23	18:15	220KV PRAGATI - SARITA VIHAR CKT - I	28.07.23	9:33	AT SARITA VIHAR : DIST PROT, ZONE-I, R &Y PHSE TRIP, 86A&B, DIST 4.474KM.
67	28.07.23	12:15	220KV BAMNAULI-NAJAFGARH CKT-I	28.07.23	12:28	AT NAJAFGARH : DIFFERENTIAL, R PAHSE, 86.
68	28.07.23	15:08	220KV PRAGATI - I.P.CKT - II	28.07.23	16:42	AT I.P. : DIST PROT, ZONE-I, DIST 1.28KM, E.F, 86.
69	29.07.23	12:26	220KV MAHARANI BAGH - LODHI ROAD CKT-II	29.07.23	21:19	AT MAHARANI BAGH : DIST PROT, ZONE-I, Y PHSAE.
70	29.07.23	12:26	220KV MAHARANI BAGH - LODHI ROAD CKT-I	29.07.23	12:50	AT LDOHI ROAD : 86.
71	29.07.23	12:28	220KV VASANT KUNJ - R.K.PURAM CKT.-II	29.07.23	13:46	AT VASANT KUNJ : DIST PROT, ZONE-I, Y PHASE, 86.
72	29.07.23	12:35	220KV GAZIPUR - MAHARANIBAGH CKT. -I	29.07.23	13:11	AT GAZIPUR : DIST PROT, ZONE-I,86RYB, DIST 397.4MTS.
73	30.07.023	14:11	220kV GOPALPUR- MANDOLACKT-I	30.07.023	20:44	AT MANDOLA : DIST PROT, ZONE-I, 86,
74	31.07.23	10:27	220/33KV 100MVA PR. TR. -IV AT GOPALPUR	31.07.23	11:15	I/C TRIPPED ON O/C
75	31.07.23	20:00	220/33KV 100MVA PR. TR. -II AT OKHLA	01.08.23	10:55	TR. TRIPPED ON PRV, 186

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

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