

DELHI TRANSCO LTD.

STATE LOAD DISPATCH CENTER

PROGRESS REPORT

SEPTEMBER 2023

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SALIENT FEATURES OF DELHI POWER SYSTEM

Sr. No.	Features	SEPT. 2022	SEPT. 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)	6687	6993
	Date	09.09.22	05.09.23
	Time	23.07.18	22.48.35
3	Peak Demand met (MW)	6687	6993
	Date	09.09.22	05.09.23
	Time	23.07.18	22.48.35
4	Peak Availability (MW)	6646	7006
5	Shortage (-) / Surplus (+) in MW	(-) 41	(+) 13
6	Percentage Shortage (-) / Surplus (+)	(-) 0.61	(+) 0.19
7	Maximum Energy Consume in a day (Mus)	138.868	140.602
8	Energy Consumed during the month	3445.536	3744.197
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	0.193	0.295
	TPDDL	0.077	0.009
	BRPL	0.007	0.155
	BYPL	0.004	0.050
	NDMC	0.000	0.000
	MES	0.000	0.000
	Other Agencies	0.000	0.000
	Total	0.281	0.509
10	Grand Total in Mus	0.281	0.509

2. PERFORMANCE OF GENERATING STATIONS WITHIN DELHI DURING SEPTEMBER 2023

A) For the month of September 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	0.120	-0.120	--	--
2.	GT	18.987	1.866	17.121	69.29	26.097
3.	PPCL	152.823	3.318	149.505	89.91	64.822
4.	Bawana	297.056	10.365	286.691	97.01	501.230
	TOTAL	468.866	15.669	453.197	--	592.149

WASTE TO ENERGY GENERATING PLANTS WITHIN DELHI

S. No	Stations	Gross Generation	Aux. Consumption	Net Generation
5.	Towmcl	15.444	2.002	13.442
6.	EDWPCL	5.730	1.161	4.569
7.	DMSWL	14.445	2.315	12.130
8.	TWEPL	18.495	1.844	16.651
	TOTAL	54.114	7.322	46.792

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

Power Station	Effective Capacity (MW)	Net Generation in MUs for Sept 2023	Availability (%) for Sept 2023	Cumulative Generation in MUs upto Sept 2023 for the year 2023-24	Cumulative Availability in % upto Sept 2023 for the year 2023-24
RPH	135	-0.120	--	-0.608	--
GT	90	17.121	69.29	117.085	87.02
PPCL	330	149.505	89.91	554.415	94.85
Bawana	1372	286.691	97.01	941.208	93.72
TOTAL	1927	453.197	--	1612.1	--

WASTE TO ENERGY GENERATING PLANTS WITHIN DELHI

Power Station	Effective Capacity (MW)	Net Generation in MUs for Sept 2023	Cumulative Generation in MUs upto Sept 2023 for the year 2023-24
Towmcl	16	13.442	73.727
EDWPCL	10	4.569	20.058
DMSWL	24	12.130	72.656
TWEPL	25	16.651	99.199
TOTAL	75	46.792	265.64

3 DETAILS OF OUTAGES OF GENERATING STNS. WITHIN DELHI FOR SEPTEMBER 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	01.09.23	00.00	17.09.23	23.59	GT #1 is standby as there is no demand from SLDC
		18.09.23	00.01	21.09.23	07.15	GT #1 is out from DC to attend the underground ACW line leakage
		21.09.23	07.15	30.09.23	23.59	GT #1 is standby as there is no demand from SLDC
2	30	NIL				
3	30	NIL				
4	30	NIL				
5	30	NIL				
6	30	18.09.23	00.01	21.09.23	07.15	GT #6 stopped to attend the underground ACW line leakage
		21.09.23	07.15	25.09.23	09.40	GT #6 is standby as there is no demand from SLDC
STG-1	30	NIL				
STG-2	30	NIL				
STG-3	30	14.09.23	19.50	25.09.23	14.03	Tripped on Axial shift high alarm (relay operated)

(C) PRAGATI

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	104	22.09.23	15.05	22.09.23	15.45	Tripped due to grid disturbance
		22.09.23	15.45	23.09.23	16.00	Tripped due to internal fault
		23.09.23	16.00	25.09.23	12.00	Stopped due to low demand
		25.09.23	12.00	26.09.23	14.45	Tripped due to internal fault
		26.09.23	14.45	30.09.23	23.59	Stopped due to low demand
2	104	12.09.23	00.00	14.09.23	14.09	Stopped due to low demand
		14.09.23	14.09	15.09.23	18.30	Tripped due to internal fault
		15.09.23	18.30	18.09.23	12.06	Stopped due to low demand
STG	122	25.09.23	13.30	25.09.23	14.50	Tripped due to grid disturbance

(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						NR
				BRPL	BYPL	TPDDL	NDM C	MES	RPH	
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										
NTPC STATIONS										
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
NHPC (HYDRO)										
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(Meja6)			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				
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				
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 SEPTEMBER 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	EDWPCL	DMSWL	TWEPL	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	15.48.28	33	264	477	17	7	15	21	834	5958	5777	181	6792	4	6796
2	00.01.14	35	266	625	18	9	16	25	994	5585	5813	-228	6579	0	6579
3	23.16.30	35	267	871	19	9	18	24	1243	5501	5386	115	6744	0	6744
4	23.10.07	36	260	812	18	8	18	23	1175	5471	5517	-46	6646	0	6646
5	22.48.35	36	262	924	19	7	14	26	1287	5706	5719	-13	6993	0	6993
6	00.00.36 0	35	263	772	19	10	19	24	1142	5518	5597	-79	6660	0	6660
7	00.01.00	36	264	665	18	10	18	24	1035	5375	5423	-48	6410	0	6410
8	15.17.00	34	265	560	17	9	19	26	930	5118	5217	-99	6048	0	6048
9	00.00.15	36	265	489	19	8	19	23	859	5072	5039	33	5931	0	5931
10	00.00.15	39	268	475	19	8	17	24	850	3686	3710	-24	4536	0	4536
11	15.24.00	35	263	271	19	7	17	24	636	4666	4706	-40	5302	0	5302
12	14.55.00	34	145	273	16	10	14	21	513	5183	5203	-20	5696	0	5696
13	15.18.00	33	143	275	19	9	14	24	517	5729	5635	94	6246	0	6246
14	22.51.46	26	147	638	19	8	12	23	873	5880	5863	17	6753	12	6765
15	.00.00.49	26	146	602	19	6	15	21	835	5593	5654	-61	6428	0	6428
16	00.00.49	28	149	515	17	6	18	26	759	5190	5237	-47	5949	39.5	5989
17	23.17.00	28	150	272	18	10	18	10	506	4702	4710	-8	5208	0	5208
18	15.23.22	0	263	271	17	1	19	24	595	4975	4997	-22	5570	0	5570
19	23.15.31	0	264	271	17	5	17	24	598	5439	5435	4	6037	0	6037
20	23.18.28	0	265	312	16	7	18	24	642	5731	5763	-32	6373	0	6373
21	15.43.00	0	263	305	16	0	17	23	624	6036	5984	52	6660	0	6660
22	15.02.31	0	265	275	16	0	18	22	596	5960	5815	145	6556	0	6556
23	00.00.03	0	151	300	16	0	19	21	507	5834	5752	82	6341	0	6341
24	00.00.14	0	153	274	16	9	16	24	492	4894	4798	96	5386	0	5386
25	15.22.00	34	148	273	16	6	17	24	518	5194	5247	-53	5712	8	5720
26	15.40.00	33	148	273	16	7	16	23	516	5281	5220	61	5797	0	5797
27	15.31.00	34	148	274	16	7	16	25	520	5203	5148	55	5723	0	5723
28	00.00.45	36	153	273	16	3	17	26	524	4799	4731	68	5323	0	5323
29	15.31.00	34	150	275	16	8	17	23	523	4989	4982	7	5512	0	5512
30	23.15.13	36	153	274	19	7	16	22	527	4672	4697	-25	5199	0	5199

POWER AVAILABILITY- DEMAND POSITION AT THE TIME OF MAXIMUM UNRESTRICTED DEMAND DURING SEPTEMBER 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	15.48.28	33	264	477	17	7	15	21	834	5958	5777	181	6792	4	6796
2	00.01.14	35	266	625	18	9	16	25	994	5585	5813	-228	6579	0	6579
3	23.16.30	35	267	871	19	9	18	24	1243	5501	5386	115	6744	0	6744
4	23.10.07	36	260	812	18	8	18	23	1175	5471	5517	-46	6646	0	6646
5	22.48.35	36	262	924	19	7	14	26	1287	5706	5719	-13	6993	0	6993
6	00.00.36 0	35	263	772	19	10	19	24	1142	5518	5597	-79	6660	0	6660
7	00.01.00	36	264	665	18	10	18	24	1035	5375	5423	-48	6410	0	6410
8	15.17.00	34	265	560	17	9	19	26	930	5118	5217	-99	6048	0	6048
9	00.00.15	36	265	489	19	8	19	23	859	5072	5039	33	5931	0	5931
10	00.00.15	39	268	475	19	8	17	24	850	3686	3710	-24	4536	0	4536
11	15.24.00	35	263	271	19	7	17	24	636	4666	4706	-40	5302	0	5302
12	14.55.00	34	145	273	16	10	14	21	513	5183	5203	-20	5696	0	5696
13	15.18.00	33	143	275	19	9	14	24	517	5729	5635	94	6246	0	6246
14	22.51.46	26	147	638	19	8	12	23	873	5880	5863	17	6753	12	6765
15	.00.00.49	26	146	602	19	6	15	21	835	5593	5654	-61	6428	0	6428
16	00.00.49	28	149	515	17	6	18	26	759	5190	5237	-47	5949	39.5	5989
17	23.17.00	28	150	272	18	10	18	10	506	4702	4710	-8	5208	0	5208
18	15.23.22	0	263	271	17	1	19	24	595	4975	4997	-22	5570	0	5570
19	23.15.31	0	264	271	17	5	17	24	598	5439	5435	4	6037	0	6037
20	23.18.28	0	265	312	16	7	18	24	642	5731	5763	-32	6373	0	6373
21	15.43.00	0	263	305	16	0	17	23	624	6036	5984	52	6660	0	6660
22	15.02.31	0	265	275	16	0	18	22	596	5960	5815	145	6556	0	6556
23	00.00.03	0	151	300	16	0	19	21	507	5834	5752	82	6341	0	6341
24	00.00.14	0	153	274	16	9	16	24	492	4894	4798	96	5386	0	5386
25	15.22.00	34	148	273	16	6	17	24	518	5194	5247	-53	5712	8	5720
26	15.40.00	33	148	273	16	7	16	23	516	5281	5220	61	5797	0	5797
27	15.31.00	34	148	274	16	7	16	25	520	5203	5148	55	5723	0	5723
28	00.00.45	36	153	273	16	3	17	26	524	4799	4731	68	5323	0	5323
29	15.31.00	34	150	275	16	8	17	23	523	4989	4982	7	5512	0	5512
30	23.15.13	36	153	274	19	7	16	22	527	4672	4697	-25	5199	0	5199

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

(ALL FIGURES IN MUS)

GENERATION WITHIN DELHI	AVAILABILITY	SCHEDULE
Rajghat Power House	0.000	0.000
Gas Turbine	44.070	17.973
Pragati-I	214.670	149.848
Pragati-III (Bawana)	745.140	243.910
Rithala	0.000	0.000
Badarpur	0.000	0.000
Renewable (include WTE)	46.490	46.490
TOTAL DELHI GEN.	1050.370	458.221

NAME OF STATION	AVAILABILITY	SCHEDULE
ANTA G-GF	24.900	0.000
ANTA G-LF		0.000000
ANTA G-RF		0.392818
ANTA CRF		0.978675
AURIYA G-GF	45.070	0.000
AURIYA G-LF		0.000
AURIYA G-RF		5.059656
AURIYA CRF		0.000
DADRI G -GF	56.810	0.000
DADRI G -LF		0.000
DADRI G -RF		7.543530
DADRI CRF		0.000
SINGRAULI STPS	89.750	86.570396
RIHAND STPS	69.430	63.133711
RIHAND-II STPS	78.170	72.473692
RIHAND -III STPS	93.490	85.828440
DADRI-II	515.360	393.681835
UNCHAHAR-I TPS	14.140	10.104933
UNCHAHAR-II TPS	28.730	23.012858
UNCHAHAR-III TPS	19.250	12.825767
UNCHAHAR-IV TPS	0.000	0.000
JHAJJAR	370.990	370.986196
MEJA TPS	0.000	0.000
TRANDA-II TPS	0.000	0.000
FARAKA	12.320	9.593788
KAHALGAON-I	28.710	25.140965
KAHALGAON-II	99.060	86.878189
SASAN	271.830	272.847851
NABINAGAR STPS (BRBCL)	12.460	12.7913066

NAME OF STATION	AVAILABILITY	SCHEDULE
BAIRASIUL HEP	4.360	4.357925
SALAL HEP	51.930	51.930517
TANAKPUR HEP	7.970	7.969889
CHAMERA HEP	13.770	13.768394
CHAMERA HEP-II	21.000	21.003153
CHAMERA-III	12.380	12.377297
URI HEP	14.050	14.045916
URI-II HEP	10.250	10.252305
SEWA-II	2.280	2.278018
DHAULIGANGA HEP	14.560	14.558082
DULHASTI HEP	35.140	35.137939
PARVATI-III	0.790	0.792567
NATHPA JHAKRI HEP	87.370	87.372721
TEHRI HEP	16.570	16.5652558
KOTESWAR	8.640	8.6419914
SINGRAULI SHEP	0.680	0.6812938
TALA	0.000	0.000
KISHAN GANGA	0.000	0.000
KOLDAM	0.000	0.000
RAMPUR	0.000	0.000
NAPP	28.260	28.262484
RAPP C	34.120	34.119231
RAPPPB-4 C	0.000	0.000
KUDGI STPS-I	50.610	50.610
Total	2245.200	1954.570
LTA	900.5033	900.5033
Short Term (Purchase)	834.3321	834.3321
Short Term (Sale)		-380.3181
TOTAL AVAILABILITY	5030.4054	3767.3079

8. SHEDDING DETAILS DURING THE MONTH OF SEPTEMBER 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
01.09.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
02.09.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
03.09.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
04.09.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
05.09.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
06.09.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
07.09.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
08.09.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
09.09.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10.09.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11.09.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12.09.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
13.09.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14.09.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15.09.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
16.09.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17.09.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
18.09.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
19.09.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20.09.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
21.09.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22.09.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
23.09.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
24.09.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25.09.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
26.09.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27.09.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
28.09.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
29.09.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30.09.23	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

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		NDMC		
	BYPL	BRPL			BYPL	BRPL	TPDDL		BYPL	BRPL			
1	13	14	15	16	17	18	19	20	21	22	23	24=8 to 23	25=7+24
01.09.23	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
02.09.23	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
03.09.23	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
04.09.23	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
05.09.23	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
06.09.23	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
07.09.23	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
08.09.23	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
09.09.23	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
10.09.23	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
11.09.23	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
12.09.23	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
13.09.23	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
14.09.23	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
15.09.23	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
16.09.23	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
17.09.23	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
18.09.23	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
19.09.23	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
20.09.23	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
21.09.23	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
22.09.23	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
23.09.23	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
24.09.23	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
25.09.23	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
26.09.23	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
27.09.23	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
28.09.23	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
29.09.23	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
30.09.23	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

ALL FIGURES IN MUS

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
01.09.23	0.000	0.000	0.000	0.000	0.000	0.000	0.012	0.000	0.000
02.09.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
03.09.23	0.052	0.009	0.000	0.000	0.000	0.000	0.021	0.001	0.000
04.09.23	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000
05.09.23	0.000	0.009	0.000	0.000	0.000	0.000	0.000	0.000	0.000
06.09.23	0.000	0.002	0.000	0.000	0.000	0.000	0.000	0.001	0.000
07.09.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
08.09.23	0.000	0.000	0.000	0.000	0.000	0.000	0.011	0.000	0.000
09.09.23	0.011	0.000	0.000	0.000	0.000	0.000	0.003	0.001	0.000
10.09.23	0.000	0.014	0.001	0.000	0.000	0.001	0.004	0.001	0.000
11.09.23	0.000	0.000	0.000	0.000	0.000	0.000	0.008	0.000	0.000
12.09.23	0.002	0.000	0.000	0.000	0.000	0.012	0.000	0.000	0.000
13.09.23	0.000	0.002	0.006	0.000	0.000	0.000	0.000	0.000	0.000
14.09.23	0.000	0.044	0.000	0.000	0.000	0.000	0.000	0.003	0.000
15.09.23	0.049	0.000	0.000	0.000	0.000	0.001	0.021	0.000	0.000
16.09.23	0.000	0.000	0.000	0.000	0.000	0.019	0.000	0.000	0.000
17.09.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
18.09.23	0.002	0.002	0.000	0.000	0.000	0.000	0.000	0.000	0.000
19.09.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20.09.23	0.000	0.000	0.001	0.000	0.000	0.000	0.005	0.000	0.000
21.09.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22.09.23	0.005	0.000	0.008	0.000	0.000	0.000	0.000	0.000	0.000
23.09.23	0.000	0.003	0.000	0.000	0.000	0.006	0.024	0.001	0.000
24.09.23	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25.09.23	0.013	0.004	0.033	0.000	0.000	0.011	0.010	0.000	0.000
26.09.23	0.000	0.000	0.000	0.000	0.000	0.000	0.024	0.000	0.000
27.09.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
28.09.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
29.09.23	0.000	0.012	0.000	0.000	0.000	0.000	0.013	0.002	0.000
30.09.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TOTAL	0.133	0.112	0.050	0.000	0.000	0.050	0.155	0.009	0.000

ALL FIGURES IN MUS

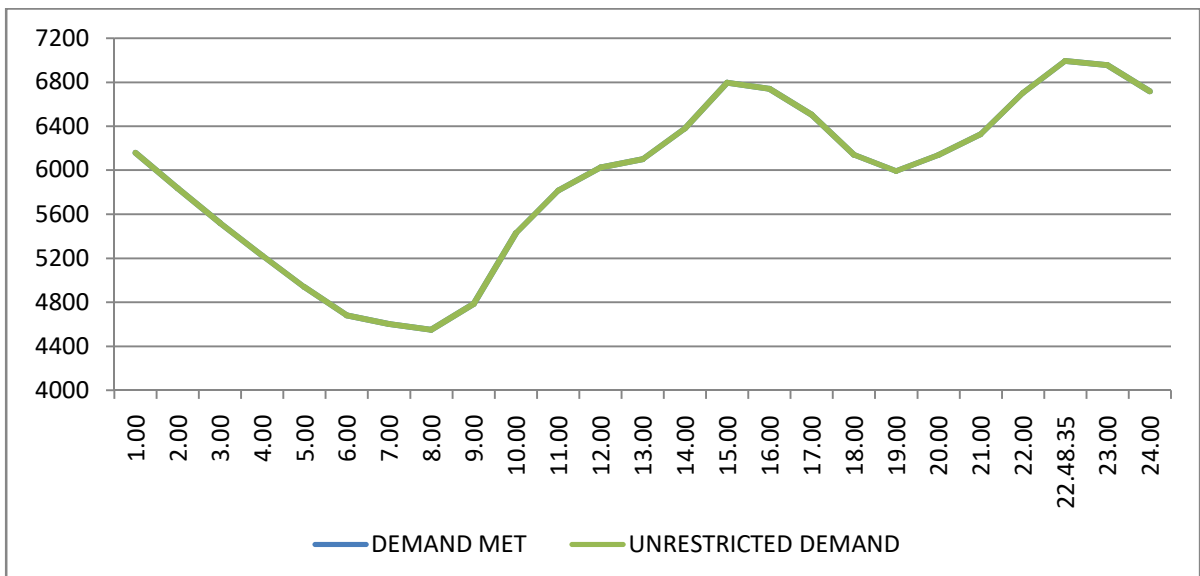
DATE	OTHER AGENCIES LIKE GENCO, BBMB, BTPS ETC.				THEFT PRONE SHEDDING			TOTAL SHEDDING DUE TO T&D CONSTS. & THEFT PRONE	GRAND TOTAL
	BSES		TPDDL	NDMC	BSES		TPDDL		
	BYPL	BRPL			BYPL	BRPL			
1	35	36	37	38	39	40	41	42= 26 to 41	43 = 25 + 42
01.09.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.012	0.012
02.09.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
03.09.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.084	0.084
04.09.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001
05.09.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.009	0.009
06.09.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.003
07.09.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
08.09.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.011	0.011
09.09.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.016	0.016
10.09.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.020
11.09.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.008	0.008
12.09.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.014	0.014
13.09.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.008	0.008
14.09.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.047	0.047
15.09.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.070	0.070
16.09.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.020
17.09.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
18.09.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.004
19.09.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20.09.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.006	0.006
21.09.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22.09.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.013	0.013
23.09.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.034	0.034
24.09.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010
25.09.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.071	0.071
26.09.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.024	0.024
27.09.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
28.09.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
29.09.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.027	0.027
30.09.23	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	0.509	0.509

DATE	(NET CONS.)	MAXI. DEMAND MET DURING THE DAY	TIME OF OCCUR- RENCE OF MAX DEMAND	SHEDDING AT THIS TIME	UN-REST- RICTED DEMAND	MAXIMUM UN-REST- RICTED 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
01.09.23	140.469	6792	15:48:28	4	6796	6796	15:48:28	6792	4
02.09.23	134.965	6579	0:01:14	0	6579	6579	0:01:14	6579	0
03.09.23	128.940	6744	12/30/1899	0	6744	6744	12/30/1899	6744	0
04.09.23	135.914	6646	12/30/1899	0	6646	6646	12/30/1899	6646	0
05.09.23	140.602	6993	22:48:35	0	6993	6993	22:48:35	6993	0
06.09.23	139.255	6725	0:00:30	0	6725	6725	0:00:30	6725	0
07.09.23	131.606	6409	0:01:00	0	6409	6409	0:01:00	6409	0
08.09.23	126.337	6049	15:17:00	0	6049	6049	15:17:00	6049	0
09.09.23	115.068	5930	0:00:15	0	5930	5930	0:00:15	5930	0
10.09.23	97.243	4536	0:00:15	0	4536	4536	0:00:15	4536	0
11.09.23	112.379	5302	15:24:00	0	5302	5302	15:24:00	5302	0
12.09.23	115.991	5696	14:55:00	0	5696	5696	14:55:00	5696	0
13.09.23	126.021	6246	15:18:00	0	6246	6246	15:18:00	6246	0
14.09.23	138.855	6754	22:51:46	12	6766	6766	22:51:46	6754	12
15.09.23	130.887	6429	0:00:49	0	6429	6429	0:00:49	6429	0
16.09.23	121.342	5949	0:00:49	40	5989	5989	0:00:49	5949	40
17.09.23	121.140	5208	23:17:00	0	5208	5208	23:17:00	5208	0
18.09.23	118.192	5570	15:23:22	0	5570	5570	15:23:22	5570	0
19.09.23	124.273	6037	23:15:31	0	6037	6037	23:15:31	6037	0
20.09.23	127.997	6373	23:18:28	0	6373	6373	23:18:28	6373	0
21.09.23	137.783	6660	15:43:31	0	6660	6660	15:43:31	6660	0
22.09.23	134.707	6556	15:02:31	0	6556	6556	15:02:31	6556	0
23.09.23	125.754	6341	0:00:03	0	6341	6341	0:00:03	6341	0
24.09.23	112.121	5386	0:00:14	0	5386	5386	0:00:14	5386	0
25.09.23	120.161	5712	15:22:00	8	5720	5720	15:22:00	5712	8
26.09.23	123.868	5797	15:40:00	0	5797	5797	15:40:00	5797	0
27.09.23	120.713	5723	15:31:00	0	5723	5723	15:31:00	5723	0
28.09.23	114.525	5322	0:00:45	0	5322	5322	0:00:45	5322	0
29.09.23	113.970	5511	15:31:00	0	5511	5511	15:31:00	5511	0
30.09.23	113.120	5199	23:15:13	0	5199	5199	23:15:13	5199	0
TOTAL	3744.197	6993	22.48.35						
		05.09.23							

9. **LOAD PATTERN OF DELHI ON THE DAY OF PEAK DEMAND MET DURING SEPTEMBER 2023 ON 05.09.2023 - 6993MW AT 22.48.35HRS.**

All figures in MW

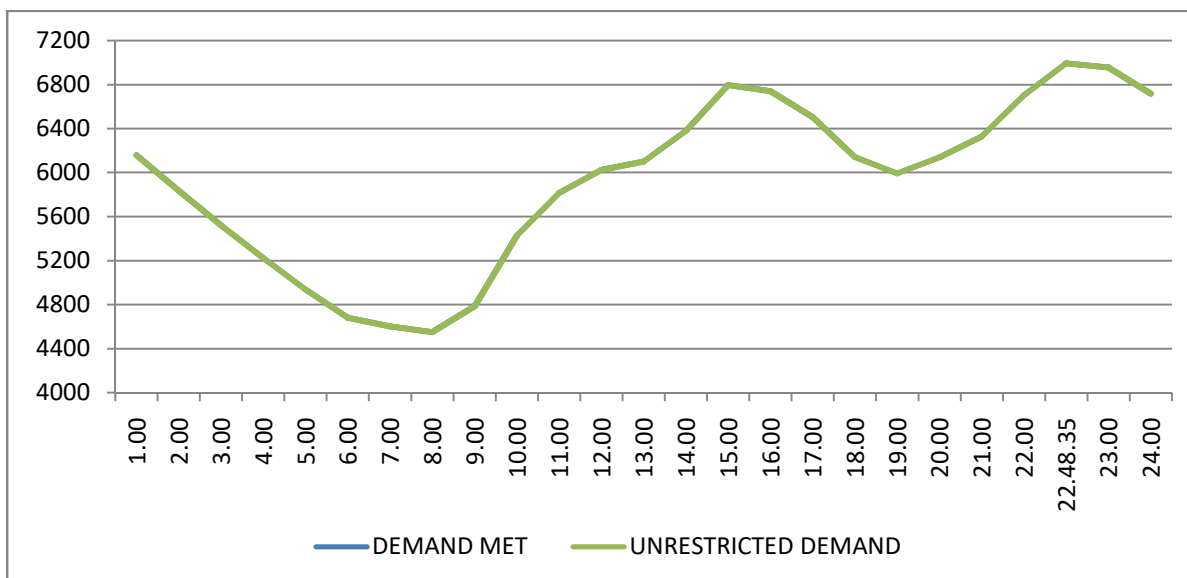
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	6157	0	6157
2.00	5834	0	5834
3.00	5522	0	5522
4.00	5224	0	5224
5.00	4936	0	4936
6.00	4681	0	4681
7.00	4601	0	4601
8.00	4551	0	4551
9.00	4786	0	4786
10.00	5427	0	5427
11.00	5816	0	5816
12.00	6025	0	6025
13.00	6100	0	6100
14.00	6379	0	6379
15.00	6795	0	6795
16.00	6740	0	6740
17.00	6505	0	6505
18.00	6141	0	6141
19.00	5993	0	5993
20.00	6138	0	6138
21.00	6325	0	6325
22.00	6700	0	6700
22.48.35	6993	0	6993
23.00	6954	0	6954
24.00	6715	0	6715
Total (IN MUS)	140.602	0.0088	140.611



10 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UN-RESTRICTED DEMAND DURING SEPTEMBER 2023 ON 05.09.2023-6993MW AT 22.48.35HRS.

All figures in MW

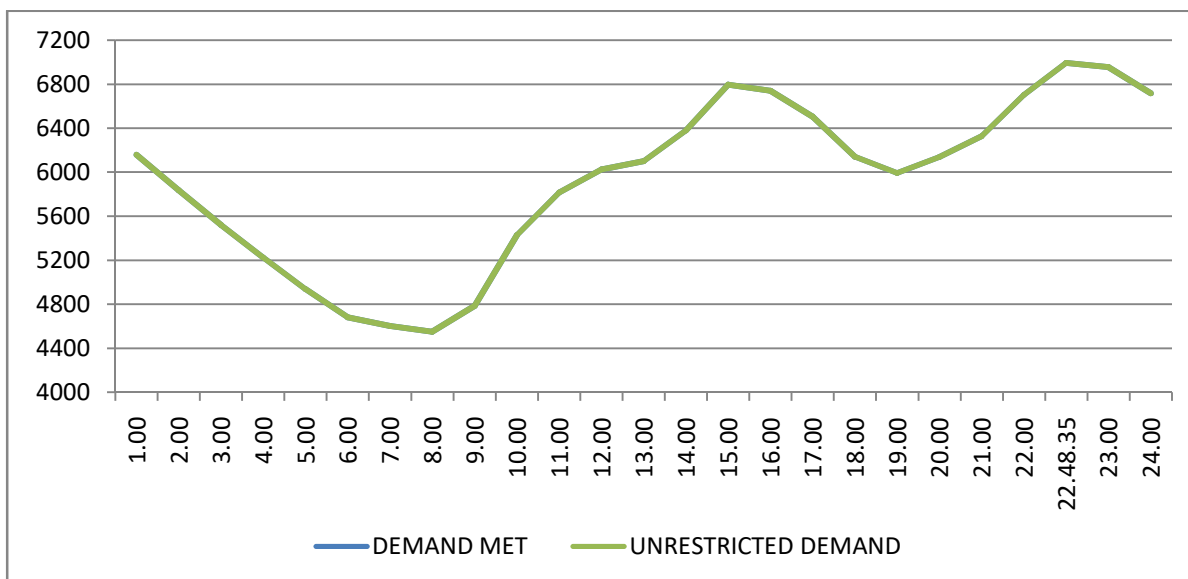
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	6157	0	6157
2.00	5834	0	5834
3.00	5522	0	5522
4.00	5224	0	5224
5.00	4936	0	4936
6.00	4681	0	4681
7.00	4601	0	4601
8.00	4551	0	4551
9.00	4786	0	4786
10.00	5427	0	5427
11.00	5816	0	5816
12.00	6025	0	6025
13.00	6100	0	6100
14.00	6379	0	6379
15.00	6795	0	6795
16.00	6740	0	6740
17.00	6505	0	6505
18.00	6141	0	6141
19.00	5993	0	5993
20.00	6138	0	6138
21.00	6325	0	6325
22.00	6700	0	6700
22.48.35	6993	0	6993
23.00	6954	0	6954
24.00	6715	0	6715
Total (IN MUS)	140.602	0.0088	140.611



11 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM ENERGY CONSUMED DURING SEPTEMBER 2023 – 18.04.2023 – 109.818Mus

All figures in MW

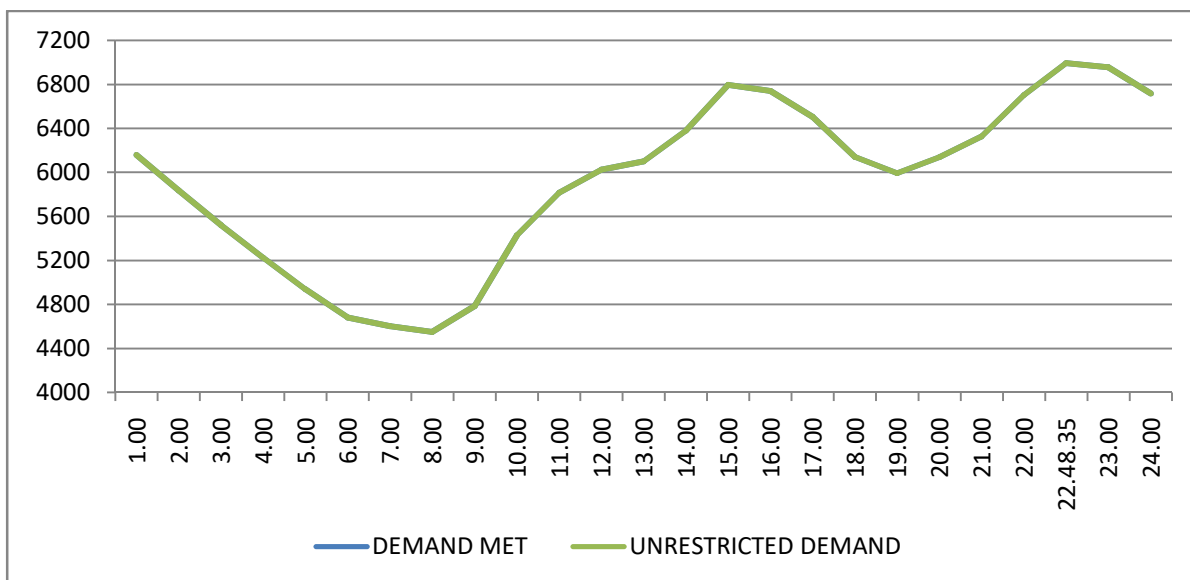
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	6157	0	6157
2.00	5834	0	5834
3.00	5522	0	5522
4.00	5224	0	5224
5.00	4936	0	4936
6.00	4681	0	4681
7.00	4601	0	4601
8.00	4551	0	4551
9.00	4786	0	4786
10.00	5427	0	5427
11.00	5816	0	5816
12.00	6025	0	6025
13.00	6100	0	6100
14.00	6379	0	6379
15.00	6795	0	6795
16.00	6740	0	6740
17.00	6505	0	6505
18.00	6141	0	6141
19.00	5993	0	5993
20.00	6138	0	6138
21.00	6325	0	6325
22.00	6700	0	6700
22.48.35	6993	0	6993
23.00	6954	0	6954
24.00	6715	0	6715
Total (IN MUS)	140.602	0.0088	140.611



12 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UNRESTRICTED ENERGY DEMAND DURING SEPTEMBER 2023 - ON 18.04.2023- 109.818MUs

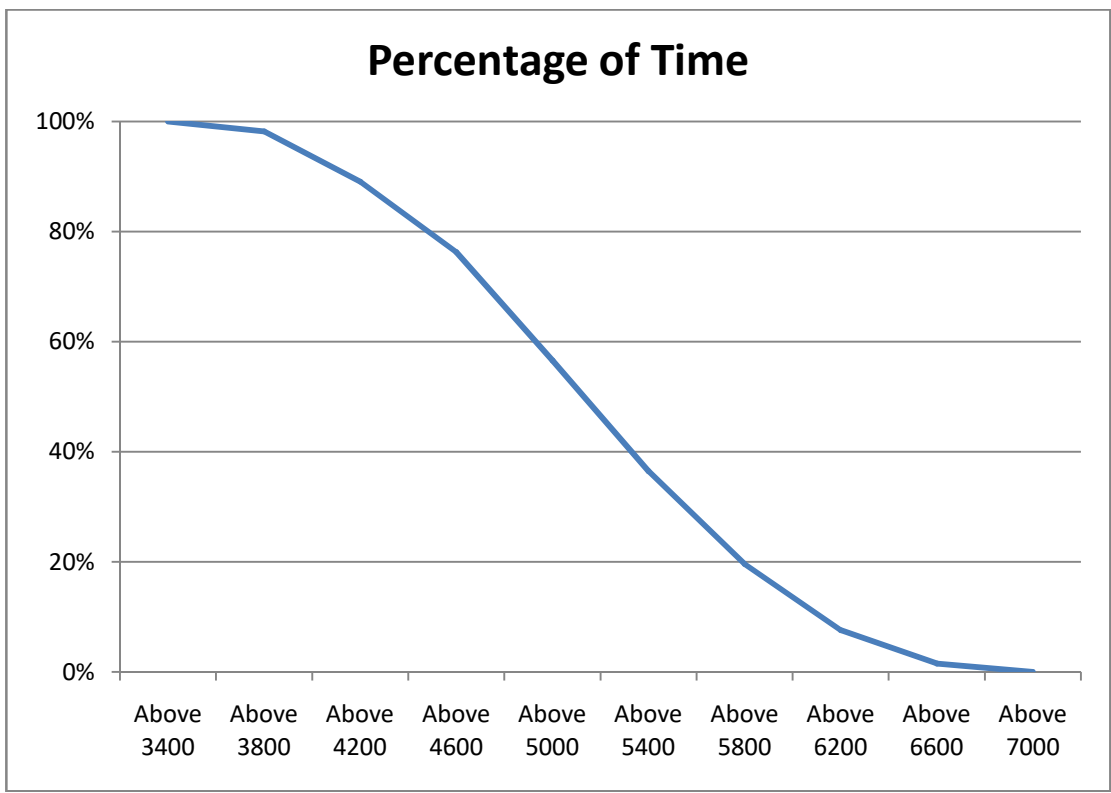
All figures in MW

Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	6157	0	6157
2.00	5834	0	5834
3.00	5522	0	5522
4.00	5224	0	5224
5.00	4936	0	4936
6.00	4681	0	4681
7.00	4601	0	4601
8.00	4551	0	4551
9.00	4786	0	4786
10.00	5427	0	5427
11.00	5816	0	5816
12.00	6025	0	6025
13.00	6100	0	6100
14.00	6379	0	6379
15.00	6795	0	6795
16.00	6740	0	6740
17.00	6505	0	6505
18.00	6141	0	6141
19.00	5993	0	5993
20.00	6138	0	6138
21.00	6325	0	6325
22.00	6700	0	6700
22.48.35	6993	0	6993
23.00	6954	0	6954
24.00	6715	0	6715
Total (IN MUS)	140.602	0.0088	140.611



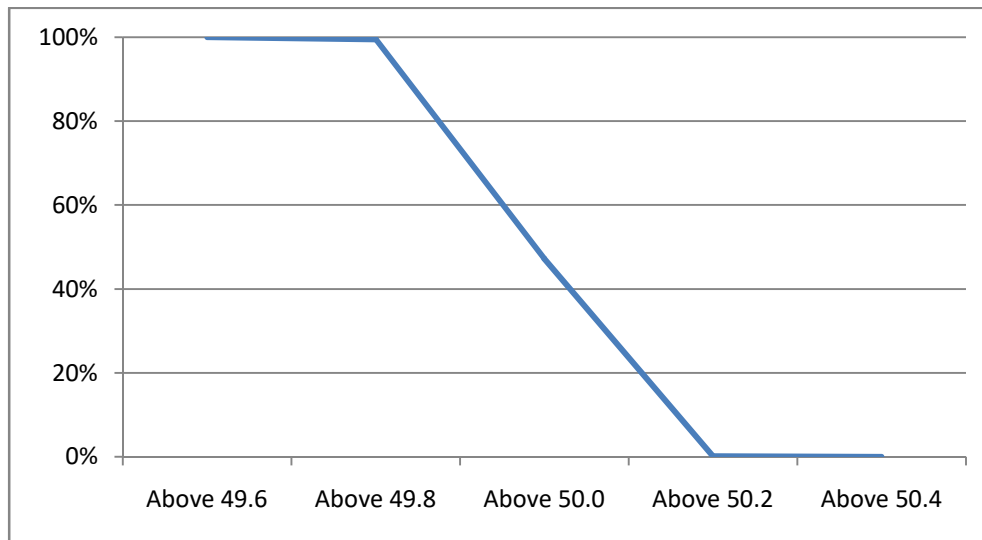
13 **LOAD DURATION CURVE FOR SEPTEMBER 2023**

LOAD REMAINED ABOVE IN MW	(%) OF TIME
Above 3400	100%
Above 3800	98.16%
Above 4200	89.03%
Above 4600	76.25%
Above 5000	56.56%
Above 5400	36.46%
Above 5800	19.62%
Above 6200	7.60%
Above 6600	1.56%
Above 7000	0.00%



14 FREQUENCY ANALYSIS FOR THE MONTH OF SEPTEMBER 2023

FREQUENCY REMAINED ABOVE IN HZ	(%) OF TIME
Above 49.6	100%
Above 49.8	99.44%
Above 50.0	47.24%
Above 50.2	0.14%
Above 50.4	0.03%



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

All figures in kV

Date	NARELA		GAZIPUR	
	Max	Min	Max	Min
01.09.23	225.85	212.84	227.63	215.82
02.09.23	226.18	215.45	229.5	218.75
03.09.23	226.75	215.8	231.15	0
04.09.23	226.41	212.19	233.44	218.17
05.09.23	225.87	213.49	232.53	217.49
06.09.23	225.55	213.53	231.1	218.15
07.09.23	226.4	212.13	231.42	214.36
08.09.23	225.35	213.97	230.35	216.84
09.09.23	227	217.21	231.95	222.25
10.09.23	228.51	216.97	233.13	221.9
11.09.23	225.01	216.02	230.35	220.24
12.09.23	224.04	214.56	230.17	219.11
13.09.23	223.42	212.8	229.68	215.76
14.09.23	222.34	210.14	227.34	214.95
15.09.23	225.96	214.88	230.5	221.35
16.09.23	224.33	215.63	230.25	220.86
17.09.23	225.82	216.26	232.73	222.4
18.09.23	225.03	214.05	231.62	219.7
19.09.23	225.96	215.9	231.27	219.68
20.09.23	226.1	214.14	232.08	0
21.09.23	224.04	212.81	231.45	216.82
22.09.23	224.81	213.07	231.18	217.73
23.09.23	225.46	215.84	231.77	222.06
24.09.23	226.91	218.29	235.62	227.61
25.09.23	226.75	214.42	235.15	222.02
26.09.23	225.72	214.25	234.28	221.23
27.09.23	225.92	215.15	233.52	222.05
28.09.23	227.09	213.87	234.38	222
29.09.23	226.09	213.32	234.3	220.54
30.09.23	226.74	214.54	234.01	221.33

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

All figures in kV

Date	400kV Bamnauli Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01.09.23	414.41	6:02:28	395.81	11:49:10	406.43
02.09.23	416.02	18:01:10	398.17	11:44:42	407.48
03.09.23	417.83	18:30:30	398.40	12:47:59	408.99
04.09.23	415.19	18:24:53	390.89	14:42:18	406.20
05.09.23	415.42	7:26:22	392.38	13:39:55	405.21
06.09.23	415.09	18:01:45	393.61	14:42:12	405.11
07.09.23	416.62	18:15:56	392.99	12:42:23	406.45
08.09.23	415.56	8:00:09	395.00	11:35:20	405.64
09.09.23	418.82	4:01:25	403.92	10:35:14	411.29
10.09.23	423.15	3:44:20	401.60	19:18:42	411.50
11.09.23	417.48	4:00:09	398.33	9:20:55	406.03
12.09.23	413.61	4:00:12	395.91	12:48:28	404.15
13.09.23	413.70	4:00:29	391.33	14:25:30	403.42
14.09.23	409.63	8:01:02	386.35	14:21:15	401.25
15.09.23	414.72	7:50:18	396.34	14:42:16	405.00
16.09.23	413.19	16:48:04	398.55	10:47:50	406.46
17.09.23	415.05	7:59:17	401.04	19:06:20	408.68
18.09.23	415.93	4:01:20	393.83	19:13:10	405.27
19.09.23	413.78	6:02:13	397.27	14:56:10	405.30
20.09.23	414.75	4:01:09	395.19	14:37:17	404.70
21.09.23	411.08	5:02:11	392.01	14:51:41	403.41
22.09.23	414.02	4:01:44	392.85	14:18:46	403.38
23.09.23	417.12	13:29:27	398.90	10:24:32	407.03
24.09.23	417.25	16:02:39	403.41	19:04:49	409.50
25.09.23	415.73	3:28:54	393.26	19:11:02	405.00
26.09.23	414.12	5:01:12	396.37	11:10:39	404.43
27.09.23	413.98	4:01:32	396.75	11:11:54	405.13
28.09.23	415.97	6:01:33	397.29	12:39:03	406.74
29.09.23	415.24	4:00:29	396.07	11:27:51	406.72
30.09.23	417.26	4:01:23	397.68	11:15:16	408.30

All figures in kV

Date	400kV Bawana Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01.09.23	411.53	6:02:18	392.76	11:48:46	403.66
02.09.23	413.02	18:00:47	394.57	13:41:45	405.48
03.09.23	414.61	18:32:45	395.57	12:42:11	405.36
04.09.23	413.66	4:00:05	389.09	14:20:16	404.08
05.09.23	412.77	6:02:54	390.59	22:10:58	402.40
06.09.23	410.74	18:02:57	392.22	14:42:08	402.17
07.09.23	412.00	17:00:45	388.15	12:41:52	402.23
08.09.23	414.16	7:00:34	390.47	10:54:05	403.66
09.09.23	416.20	4:00:45	401.21	10:41:14	408.79
10.09.23	418.68	3:44:22	396.30	17:08:15	409.42
11.09.23	414.99	4:00:31	395.75	11:44:35	404.41
12.09.23	411.78	4:01:26	393.10	12:44:51	402.71
13.09.23	411.45	4:00:18	390.85	14:22:59	402.14
14.09.23	408.15	6:01:15	386.94	14:21:22	400.69
15.09.23	413.11	7:40:45	397.71	14:42:05	404.96
16.09.23	412.41	6:02:21	397.28	10:12:34	406.10
17.09.23	415.94	3:54:59	401.19	19:06:15	409.40
18.09.23	415.43	4:00:46	394.32	19:13:06	405.59
19.09.23	414.89	6:01:39	398.09	14:56:24	405.87
20.09.23	416.04	4:01:15	393.71	14:34:37	404.88
21.09.23	411.22	4:01:10	391.15	14:51:41	402.83
22.09.23	412.74	4:02:58	389.97	14:55:02	402.16
23.09.23	413.63	7:26:41	399.69	10:22:10	406.71
24.09.23	416.85	16:02:50	405.11	19:04:59	410.46
25.09.23	416.75	4:01:07	395.60	19:10:18	406.26
26.09.23	414.98	5:01:20	394.12	11:04:39	403.34
27.09.23	414.23	4:01:48	395.45	11:15:10	405.04
28.09.23	415.94	6:01:57	395.15	12:41:17	406.45
29.09.23	415.50	4:00:14	392.52	12:26:28	405.74
30.09.23	414.74	4:01:21	395.68	11:32:04	406.69

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

SL N O	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
1	01.09.23	6:26	OKHLA 220/33kv 100MVA Tx-V	01.09.23	6:36	O/C, 86, RYB PHASE.
2	01.09.23	10:54	220kv DSIIDC BAWANA-NARELA CKT-I	01.09.23	13:53	AT NARELA : DIST PROT, ZONE-I, DIST 8.354KM, R PAHSE.
3	01.09.23	14:32	220kv MAHARANI BAGH - PRAGATI CKT	01.09.23	15:55	AT MAHARANI BAGH : DIST PROT, DIST 97.87MTS, DIFFERENTIA, R PAHSE, 86. AT PRAGATI : DIST PROT, ZONE-II & III, O/C, E/F., DIST 71.71MTS.
4	03.09.23	13:16	PAPPANKALAN-II 220/66kv 160MVA Tx-IV	03.09.23	13:50	B PHJASE, DIFFERENTIAL, 86.
5	03.09.23	13:16	220kv BAMNAULI-PAPPANKALAN- II CKT-I	03.09.23	15:03	AT PAPANALAN-II : 86A&B, 186A&B, RYB PAHASE, DIST PROT, DIST 23.76KM.
6	04.09.23	3:50	NAJAFGARH 66/11kv, 20MVA Tx- III	04.09.23	3:58	E/F.
7	05.09.23	7:40	LODHI RD 220/33kv 100MVA TR. - III	05.09.23	7:43	86
8	05.09.23	13:05	220kv BAMNAULI-PAPPANKALAN- II CKT-II	05.09.23	13:25	AT PAPANALAN-II : DIST PROT, ZONE-II, RYB PHASE, 86ABC.
9	05.09.23	15:51	WAZIRABAD 220/66kv 100MVA Tx-II	05.09.23	16:01	TKRIPPED WITHOUT INDICATION.
10	05.09.23	16:30	GAZIPUR 220/66kv 160MVA Tx-I	05.09.23	17:11	HOT POINT.
11	06.09.23	11:56	220kv GOPALPUR- MANDOLACKT-I	06.09.23	16:20	AT GOPALPUR : DIST PROT, ZONE-I, 86, R PHASE, DIST 10.253JN,
12	06.09.23	12:21	220kv BAMNAULI-PAPPANKALAN- II CKT-II	06.09.23	12:26	AT PAPANALAN -II : DIST PROT, ZONE-I, DIST 5.2KM.
13	06.09.23	15:24	220kv MAHARANI BAGH - PRAGATI CKT	06.09.23	18:28	AT PRAGATI : DIST PROT, ZONE-II & III, DIST 1.185KM. AT MAHARANI BAGH : DIST PROT, ZONE-I, DIST 3.9KM, R&B PHSE.
14	08.09.23	2:55	GEETA COLONY 220/33kv 100MVA Tx-II	08.09.23	3:26	O/C
15	08.09.23	11:35	220kv DSIIDC BAWANA-NARELA CKT-I	08.09.23	15:58	AT NARELA : DIST PROT, ZONE-I, R PHSE,
16	09.09.23	2:55	GEETA COLONY 220/33kv 100MVA Tx-I	09.09.23	3:25	O/C
17	09.09.23	2:55	GEETA COLONY 220/33kv 100MVA Tx-II	09.09.23	3:26	O/C
18	09.09.23	16:27	KANJHAWALA 66/11kv, 20MVA Tx-II	09.09.23	17:04	SPR, 86, B PHASE.
19	10.09.23	8:08	LODHI RD 220/33kv 100MVA TR. - III	10.09.23	16:30	TRIPPED WITHOUT INDICATION.
20	10.09.23	17:09	220kv SARITA VIHAR - BTPS CKT.-I	10.09.23	20:56	AT BTPS : TRIPPED WITHOUT INDICATION.
21	10.09.23	17:09	220kv OKHLA - BTPS CKT. - II	10.09.23	18:48	AT BTPS : E/F
22	10.09.23	17:09	220kv OKHLA - BTPS CKT.- I	10.09.23	20:56	AT BTPS : E/F
23	10.09.23	17:09	220kv SARITA VIHAR - BTPS CKT.-II	10.09.23	18:49	AT BTPS : TRIPPED WITHOUT INDICATION.
24	10.09.23	17:33	220kv GEETA COLONY- PATPARGANJ CKT-I	10.09.23	17:56	AT PATPARGANJ : RYB PHASE. DIST PROT, ZONE-I, DIST 2.507KM. AT GEETA COLONY : DIST PROT, ZONE-I, RY PHASE, DIST 2.93KM.
25	10.09.23	18:11	GOPALPUR 220/33kv 100MVA Tx-I	10.09.23	18:43	E/F

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
26	11.09.23	8:02	GOPALPUR 220/33kV 100MVA Tx-I	11.09.23	18:08	TRIPPED WITHOUT INDICATOIN.
27	11.09.23	8:05	MASJID MOTH 220/33kV 100MVA Tr-III	11.09.23	8:15	TRIP RELAY.
28	12.09.23	13:32	RAJGHAT 220/33kV 100MVA Tx-I	12.09.23	13:52	E/F
29	12.09.23	13:32	RAJGHAT 220/33kV 100MVA Tx-2	12.09.23	13:52	E/F
30	13.09.23	11:30	220kV BAWANA-DSIIDC BAWANA CKT-I	13.09.23	13:15	AT DSIDC BAWANA : DIST PROT, ZONE-I.
31	14.09.23	15:30	220kV GEETA COLONY-PATPARGANJ CKT -II	14.09.23	15:42	AT PATPARGANJ : RYB PHASE. AT GEETA COLONY : RYB , 86ABC, DIST PROT, DIST 2.1KM, E/F.
32	14.09.23	20:18	MEHRAULI 220/66kV 100MVA Tx-III	15.09.23	1:18	E/F
33	14.09.23	20:18	MEHRAULI 220/66kV 100MVA Tx-I	14.09.23	21:12	E/F
34	15.09.23	9:30	RAJGHAT 220/33kV 100MVA Tx-I	15.09.23	9:55	O/C, E/F
35	15.09.23	15:20	NAJAFGARH 66/11kV, 20MVA Tx-I	15.09.23	18:30	BUCHOLZ.
36	15.09.23	21:34	WAZIRABAD 220/66kV 160MVA Tx-I	15.09.23	22:50	O/C
37	16.09.23	12:02	220kV GEETA COLONY-PATPARGANJ CKT -II	16.09.23	13:07	AT GEETA COLONY : YB PHASE, 86, DIFFERENTIAL.
38	17.09.23	8:15	VASANT KUNJ 220/66kV 100MVA Tx-II	18.09.23	17:05	86, BUCHOLZ.
39	18.09.23	17:36	VASANT KUNJ 220/66kV 160MVA Tx-I	18.09.23	18:28	O/C, R PHASE, 86.
40	19.09.23	13:15	SUBZI MANDI 33/11kV, 16MVA Tx-I	19.09.23	13:30	DIFFERENTIAL.
41	19.09.23	13:55	OKHLA 33kV TUGLAKABAD CKT	19.09.23	15:45	HOT POINT.
42	20.09.23	11:25	220KV BAWANA-SHALIMARBAGH CKT-I	20.09.23	13:02	AT BAWANA : DIST PROT., ZONE-II, R PHASE, DIST 10.3KM, 86.
43	20.09.23	14:54	220kV DSIIDC BAWANA-NARELA CKT-II	20.09.23	17:18	AT NARELA : DIST PROT, ZONE-I.
44	21.09.23	9:31	220kV DSIIDC BAWANA-NARELA CKT-II	21.09.23	14:08	AT NARELA : DIST PROT, ZONE-I, PHASE C, DIST 1.305KM.
45	22.09.23	13:27	220kV NARELA - MANDOLA CKT-I	22.09.23	18:00	AT NARELA : A/R OPERATED.
46	22.09.23	15:05	RAJGHAT 220/33kV 100MVA Tx-2	22.09.23	16:00	E/F, O/C
47	23.09.23	12:59	HARSH VIHAR 400/220kV 315MVA ICT-III	23.09.23	15:32	86
48	24.09.23	18:06	LODHI RD 33/11kV, 16MVA Tx-IV	24.09.23	18:18	86B.
49	24.09.23	18:06	LODHI RD 220/33kV 100MVA TR. - III	24.09.23	18:18	BUS BAR PROT. OPERATED.
50	24.09.23	18:06	LODHI RD 220/33kV 100MVA Tx-II	24.09.23	18:18	BUS BAR PROT. OPERATED.
51	25.09.23	13:27	PREETVIHAR 220/33kV 100MVA Tx-I	25.09.23	13:39	BUS BAR OPERATED.
52	25.09.23	13:27	PREETVIHAR 220/33kV 100MVA Tx-II	25.09.23	13:40	BUS BAR OPERATED.
53	25.09.23	13:27	220kV Preet Vihar- Patparganj Ckt-I	25.09.23	13:41	AT PREET VIHAR : BUS BAR OPERATED.
54	25.09.23	13:27	220kV Preet Vihar- Patparganj Ckt-II	25.09.23	13:41	AT PREET VIHAR : BUS BAR OPERATED.
55	25.09.23	13:27	220kV Harsh Vihar - Preet Vihar Ckt-II	25.09.23	13:38	AT PREET VIHAR : BUS BAR OPERATED.
56	25.09.23	13:27	220kV Harsh Vihar - Preet Vihar Ckt-I	25.09.23	13:37	AT PREET VIHAR : BUS BAR OPERATED.
57	25.09.23	13:56	220kV MUNDKA-KANJHAWALA CKT	25.09.23	23:48	AT MUNDKA : DIST PROT, ZONE-I, II & III, Y&B PHSE, DIST 6.384KM.
58	25.09.23	14:00	220kV KANJHAWALA-NAJAFGARH CKT	25.09.23	14:38	AT KHANJAWALA : DIT PROT, ZONE-II, B&Y PHASE, DIST 12.94KM.

SL N O	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
59	25.09.23	15:00	220kv KANJHAWALA-NAJAFGARH CKT	25.09.23	21:37	AT NAJAFGARH : RYB PHASE DIST PROT, ZONE-II & III, DIST 14.49KM.
60	29.09.23	14:24	OKHLA 220/33kv 100MVA Tx-III	02.10.23	17:17	O/C, RYB PHASE, 86.
61	29.09.23	14:24	OKHLA 220/33kv 100MVA Tx-IV	02.10.23	17:17	O/C, RYB PHASE, 86.
62	29.09.23	22:09	220kv BAWANA - KANJHAWALA CKT-2	30.09.23	18:22	AT BAWANA : 86.
63	30.09.23	0:55	220 KV PATPARGANJ - I.P. CKT-I	30.09.23	1:27	AT I.P. : TRIPPED WITHOUT INDICATION.
64	30.09.23	13:25	TRAUMA CENTER 220/33kv 100MVA Tx-I	30.09.23	18:00	86
65	30.09.23	18:12	220kv PRAGATI - SARITA VIHAR CKT - I	30.09.23	18:48	AT PRAGATI : DIST PROT, ZONEI, DIST 5.27KM, BC PHASE.

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

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