

DELHI TRANSCO LTD.

STATE LOAD DISPATCH CENTER

PROGRESS REPORT

SEPTEMBER 2022

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SALIENT FEATURES OF DELHI POWER SYSTEM

Sr. No.	Features	SEPT. 2021	SEPT. 2022
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	1372	1371
	TOWMCL (Waste to Energy Plant)	16	16
	EDWPCL (Waste to Energy Plant)	10	10
	DMSWL (Waste to Energy Plant)	24	24
	Total	2156	2156
2	Maximum Unrestricted Demand (MW)	5548	6687
	Date	07.09.21	09.09.22
	Time	15.37.55	23.07.18
3	Peak Demand met (MW)	5548	6687
	Date	07.09.21	09.09.22
	Time	15.37.55	23.07.18
4	Peak Availability (MW)	5437	6646
5	Shortage (-) / Surplus (+) in MW	(-)111	(-) 41
6	Percentage Shortage (-) / Surplus (+)	(-) 2.00	(-) 0.61
7	Maximum Energy Consume in a day (Mus)	114.355	138.868
8	Energy Consumed during the month	3024.735	3445.536
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	0.108	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	0.108	0.000
B)	Due to Constraints in System in Mus		
	DTL	0.217	0.193
	TPDDL	0.034	0.077
	BRPL	0.114	0.007
	BYPL	0.016	0.004
	NDMC	0.000	0.000
	MES	0.000	0.000
	Other Agencies	0.005	0.000
	Total	0.387	0.281
10	Grand Total in Mus	0.494	0.281

2. **PERFORMANCE OF GENERATING STATIONS WITHIN DELHI DURING SEPTEMBER 2022**

A) For the month of Sep 2022

All Figures in MUs

S. No	Stations	Gross Generation	Aux. Consumption	Net Generation	Plant Availability factor for the month (%)	Backing Down
1.	RPH	0.000	0.120	-0.120	--	--
2.	GT	27.113	1.634	25.479	32.06	34.95
3.	PPCL	83.804	2.302	81.502	99.33	146.83
4.	Bawana	221.196	9.344	211.852	94.71	700.01
5.	Towmcl	14.315	2.563	11.752	--	--
6.	EDWPCL	3.544	0.741	2.803	--	--
7.	DMSWL	13.682	2.202	11.480	--	--
	TOTAL	363.654	18.906	344.748	--	881.79

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

Power Station	Effective Capacity (MW)	Net Generation in MUs for Sep 2022	Availability (%) for Sep 2022	PLF (%) For Sep 2022	Cumulative Generation in MUs upto Sep 2022 for the year 2022-23	Cumulative Availability in % upto Sep 2022 for the year 2022-23
RPH	135	-0.120	--	--	-0.732	--
GT	270	25.479	32.06	13.52	158.262	31.40
PPCL	330	81.502	99.33	35.62	746.529	95.92
Bawana	1372	211.852	94.71	21.69	1494.957	93.34
Towmcl	16	11.752	--	--	70.609	--
EDWPCL	10	2.803	--	--	5.405	--
DMSWL	24	11.480	--	--	68.691	--
TOTAL	2936	344.748	--	--	2543.717	--

3 DETAILS OF OUTAGES OF GENERATING STNS. WITHIN DELHI FOR SEPTEMBER-2022

RPH

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

(B) Gas Turbine

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	30	01.09.22	00.00	30.09.22	23.59	Unit stopped due to low demand
2	30	01.09.22	00.00	30.09.22	23.59	Unit out due to generator rotor problem.
3	30	NIL				
4	30	NIL				
5	30	01.09.22	00.00	05.09.22	12.00	Unit stopped due to low demand.
		10.09.22	09.17	30.09.22	23.59	Unit stopped due to low demand
6	30	05.09.22	10.45	05.09.22	12.00	Unit was stopped in emergency due to air leakage in automizing cooler
		05.09.22	12.00	10.09.22	09.17	Unit stopped due to low demand
STG-1	30	01.09.22	00.00	30.09.22	23.59	Unit stopped due to low demand
STG-2	30	NIL				
STG-3	30	05.09.22	10.45	05.09.22	13.45	Unit was stopped in emergency due to air leakage in automizing cooler in Unit 6

(C) PRAGATI

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	104	01.09.22	00.00	05.09.22	08.12	LOW DEMAND
		09.09.22	19.24	30.09.22	24.00	
2	104	05.09.22	03.17	05.09.22	08.12	INTERNAL FAULT
		05.09.22	08.12	09.09.22	17.50	LOW DEMAND
		23.09.22	17.00	30.09.22	24.00	LOW DEMAND
STG	122	05.09.22	03.17	05.09.22	10.44	INTERNAL FAULT
		23.09.22	17.00	30.09.22	24.00	

(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 2022**

Date	Time of peak demand	Generation within Delhi							Import from the Grid	Schedule from the Grid	OD(-) / UD(+)	Demand met	Shedding	Un-Restricted Demand
		GT	PPCL	Bawana	TOWMCL	EDW PCL	DMSWL	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	23.14.00	36	152	306	19	6	17	536	5972	6044	-72	6508	0	6508
2	23.09.46	36	152	306	18	5	15	532	5939	5958	-19	6471	0	6471
3	23.30.49	36	152	300	18	0	18	524	5822	5673	149	6346	0	6346
4	23.40.49	36	151	307	18	5	18	535	5851	5849	2	6386	0	6386
5	23.27.10	35	147	305	19	8	17	531	5941	5963	-22	6472	0	6472
6	22.58.22	35	149	315	18	8	17	542	5964	5972	-8	6506	0	6506
7	23.15.48	35	149	311	18	7	7	527	6005	5954	51	6532	0	6532
8	23.00.21	35	149	315	17	1	19	536	6116	6097	19	6652	0	6652
9	23.07.18	36	151	312	18	0	16	533	6154	6113	41	6687	0	6687
10	00.00.03	36	151	314	19	0	17	537	6008	6064	-56	6545	0	6545
11	23.07.47	36	152	313	19	1	16	537	5801	5871	-70	6338	0	6338
12	23.21.15	37	152	314	19	7	6	535	5950	5901	49	6485	0	6485
13	00.00.03	37	152	285	19	8	7	508	5776	5742	34	6284	0	6284
14	0:00:00	37	153	318	19	5	7	538	5410	5382	28	5948	0	5948
15	00.00.07	37	155	299	19	5	17	533	4704	4717	-13	5237	0	5237
16	10.49.12	39	156	270	18	4	17	504	4171	4278	-107	4675	0	4675
17	15.02.33	36	150	273	18	7	17	501	4264	4260	4	4765	0	4765
18	23.02.17	37	154	315	19	6	18	549	4570	4590	-20	5119	0	5119
19	15.01.57	36	151	305	19	7	18	536	4805	4925	-120	5341	0	5341
20	14.28.08	35	148	296	10	8	17	514	4913	4744	169	5427	0	5427
21	12.00.53	35	151	294	12	4	18	514	4752	4613	139	5266	0	5266
22	11.46.57	36	155	273	18	6	17	505	4271	4215	56	4776	0	4776
23	12.30.44	37	154	272	19	0	17	499	4148	4116	32	4647	0	4647
24	11.30.47	38	-2	269	18	3	20	346	3849	3813	36	4195	0	4195
25	19.25.09	37	-2	271	15	5	17	344	3684	3604	80	4028	0	4028
26	15.27.21	36	-2	270	19	0	18	341	4385	4303	82	4726	0	4726
27	15.16.00	35	-2	273	17	1	10	334	4471	4443	28	4805	0	4805
28	15.04.30	35	-1	274	17	0	10	335	4625	4497	128	4960	0	4960
29	14.57.32	35	-1	286	16	0	18	354	4697	4577	120	5051	0	5051
30	15.28.50	36	0	270	19	0	19	344	4756	4746	10	5100	0	5100

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

Date	Time of peak demand	Generation within Delhi							Import from the Grid	Schedule from the Grid	OD(-) / UD(+)	Demand met	Shedding	Un-Restricted Demand
		GT	PPCL	Bawana	TOWMCL	EDW PCL	DMS WL	Total						
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9) = (3) to (8)	(10)	(11)	(12)= (11) - (10)	(13)= (11)+ (12)	(14)	(15)= (13)+ (14)
1	23.14.00	36	152	306	19	6	17	536	5972	6044	-72	6508	0	6508
2	23.09.46	36	152	306	18	5	15	532	5939	5958	-19	6471	0	6471
3	23.30.49	36	152	300	18	0	18	524	5822	5673	149	6346	0	6346
4	23.40.49	36	151	307	18	5	18	535	5851	5849	2	6386	0	6386
5	23.27.10	35	147	305	19	8	17	531	5941	5963	-22	6472	0	6472
6	22.58.22	35	149	315	18	8	17	542	5964	5972	-8	6506	0	6506
7	23.15.48	35	149	311	18	7	7	527	6005	5954	51	6532	0	6532
8	23.00.21	35	149	315	17	1	19	536	6116	6097	19	6652	0	6652
9	23.07.18	36	151	312	18	0	16	533	6154	6113	41	6687	0	6687
10	00.00.03	36	151	314	19	0	17	537	6008	6064	-56	6545	0	6545
11	23.07.47	36	152	313	19	1	16	537	5801	5871	-70	6338	0	6338
12	23.21.15	37	152	314	19	7	6	535	5950	5901	49	6485	0	6485
13	00.00.03	37	152	285	19	8	7	508	5776	5742	34	6284	0	6284
14	0:00:00	37	153	318	19	5	7	538	5410	5382	28	5948	0	5948
15	00.00.07	37	155	299	19	5	17	533	4704	4717	-13	5237	0	5237
16	10.49.12	39	156	270	18	4	17	504	4171	4278	-107	4675	0	4675
17	15.02.33	36	150	273	18	7	17	501	4264	4260	4	4765	0	4765
18	23.02.17	37	154	315	19	6	18	549	4570	4590	-20	5119	0	5119
19	15.01.57	36	151	305	19	7	18	536	4805	4925	-120	5341	0	5341
20	14.28.08	35	148	296	10	8	17	514	4913	4744	169	5427	0	5427
21	12.00.53	35	151	294	12	4	18	514	4752	4613	139	5266	0	5266
22	11.46.57	36	155	273	18	6	17	505	4271	4215	56	4776	0	4776
23	12.30.44	37	154	272	19	0	17	499	4148	4116	32	4647	0	4647
24	11.30.47	38	-2	269	18	3	20	346	3849	3813	36	4195	0	4195
25	19.25.09	37	-2	271	15	5	17	344	3684	3604	80	4028	0	4028
26	15.27.21	36	-2	270	19	0	18	341	4385	4303	82	4726	0	4726
27	15.16.00	35	-2	273	17	1	10	334	4471	4443	28	4805	0	4805
28	15.04.30	35	-1	274	17	0	10	335	4625	4497	128	4960	0	4960
29	14.57.32	35	-1	286	16	0	18	354	4697	4577	120	5051	0	5051
30	15.28.50	36	0	270	19	0	19	344	4756	4746	10	5100	0	5100

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

(ALL FIGURES IN MUS)

GENERATION WITHIN DELHI	AVAILABILITY	SCHEDULE
Rajghat Power House	0.000	0.000
Gas Turbine	60.453	25.498
Pragati-I	228.921	82.089
Pragati-III (Bawana)	909.360	208.751
Rithala	0.000	0.000
Badarpur	0.000	0.000
Renewable (include WTE)	22.231	22.231
TOTAL DELHI GEN.	1220.964	338.569

NAME OF STATION	AVAILABILITY	SCHEDULE
SINGRAULI STPS	99.236	93.124
RIHAND STPS	35.780	31.540
DADRI TPS	436.932	--
UNCHAHAHAR-I TPS	17.121	11.965
UNCHAHAHAR-II TPS	34.158	24.843
ANTA GPP-GF	31.585	--
ANTA GPP-LF	0.000	0.178
ANTA GPP-RF	0.000	0.007
ANTA CRF	--	--
AURAIYA GPP-GF	51.608	--
AURAIYA GPP-LF	0.000	0.059
AURAIYA GPP-RF	0.000	0.051
AURAIYA CRF	--	--
DADRI GPP-GF	45.500	--
DADRI GPP-LF	0.000	--
DADRI GPP-RF	0.000	0.094
DADRI CRF	--	--
BAIRASIUL HEP	6.753	6.753
SALAL HEP	49.556	49.556
TANAKPUR HEP	7.410	7.410
CHAMERA HEP	17.415	17.415
URI HEP	22.356	22.356
NATHPA JHAKRI HEP	96.241	96.241
CHAMERA HEP-II	21.443	21.443
RIHAND-II STPS	92.034	83.469
DHAULIGANGA HEP	24.903	24.903
TEHRI HEP	30.222	30.222
UNCHAHAHAR-III TPS	20.996	15.616
DULHASTI HEP	34.264	34.264

NAME OF STATION	AVAILABILITY	SCHEDULE
DADRI II	536.257	122.808
SEWA-II	4.632	4.632
jhajjar	508.937	373.138
NAPP	24.968	24.968
RAPP C	26.313	26.313
RAPPB_4 C	0.000	--
KOTESWAR	15.654	15.654
SASAN	242.064	241.823
CHAMERA III	15.548	15.548
RIHAND3	92.650	84.486
KAHALGAON1	23.959	20.475
KAHALGAON2	110.516	92.572
TALA	19.815	19.815
FARAKA	11.355	11.355
URI 2 HEP	16.022	16.022
Parvati3	9.814	9.814
Koldam	0.000	--
SINGRAULI SHEP	0.607	0.607
UNCHAHAR - IV TPS	0.000	--
TALCHER (BTPS)	6.322	--
Nabinagar STPS(BRBCL)	3.108	9.156
TOTAL	2844.053	1660.696

8. SHEDDING DETAILS DURING THE MONTH OF SEPTEMBER 2022.

ALL FIGURES IN MUS

DATE	No. of Under Freq. Relay Operated	Shedding due to under frequency relay operation in MUs					Shedding due to Grid Restrictions (Over drawal / low freq.)				
		BSES		TPDDL	NDMC	TOTAL	BSES		TPDDL	NDMC	MES
		BYPL	BRPL				BYPL	BRPL			
1	2	3	4	5	6	7=3 to 6	8	9	10	11	12
01.09.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
02.09.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
03.09.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
04.09.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
05.09.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
06.09.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
07.09.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
08.09.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
09.09.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10.09.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11.09.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12.09.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
13.09.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14.09.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15.09.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
16.09.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17.09.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
18.09.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
19.09.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20.09.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
21.09.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22.09.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
23.09.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
24.09.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25.09.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
26.09.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27.09.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
28.09.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
29.09.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30.09.22	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
01.09.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
02.09.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
03.09.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
04.09.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
05.09.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
06.09.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
07.09.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
08.09.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
09.09.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10.09.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11.09.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12.09.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
13.09.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14.09.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15.09.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
16.09.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17.09.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
18.09.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
19.09.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20.09.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
21.09.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22.09.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
23.09.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
24.09.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25.09.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
26.09.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27.09.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
28.09.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
29.09.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30.09.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
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
01.09.22	0.000	0.035	0.000	0.000	0.000	0.000	0.001	0.006	0.000
02.09.22	0.000	0.002	0.000	0.000	0.000	0.003	0.000	0.002	0.000
03.09.22	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.000	0.000
04.09.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
05.09.22	0.000	0.030	0.011	0.000	0.000	0.000	0.000	0.000	0.000
06.09.22	0.000	0.000	0.046	0.000	0.000	0.000	0.000	0.000	0.000
07.09.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
08.09.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000
09.09.22	0.000	0.000	0.006	0.000	0.000	0.000	0.000	0.000	0.000
10.09.22	0.000	0.000	0.003	0.000	0.000	0.000	0.000	0.001	0.000
11.09.22	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.000	0.000
12.09.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
13.09.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000
14.09.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15.09.22	0.000	0.003	0.000	0.000	0.000	0.000	0.000	0.008	0.000
16.09.22	0.000	0.002	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17.09.22	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.000
18.09.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
19.09.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20.09.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
21.09.22	0.000	0.000	0.002	0.000	0.000	0.000	0.000	0.006	0.000
22.09.22	0.000	0.018	0.000	0.000	0.000	0.000	0.000	0.000	0.000
23.09.22	0.000	0.007	0.000	0.000	0.000	0.000	0.000	0.000	0.000
24.09.22	0.000	0.000	0.002	0.000	0.000	0.001	0.000	0.001	0.000
25.09.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
26.09.22	0.000	0.007	0.001	0.000	0.000	0.000	0.000	0.051	0.000
27.09.22	0.000	0.015	0.000	0.000	0.000	0.000	0.001	0.000	0.000
28.09.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
29.09.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000
30.09.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TOTAL	0.000	0.119	0.074	0.000	0.000	0.004	0.007	0.077	0.000

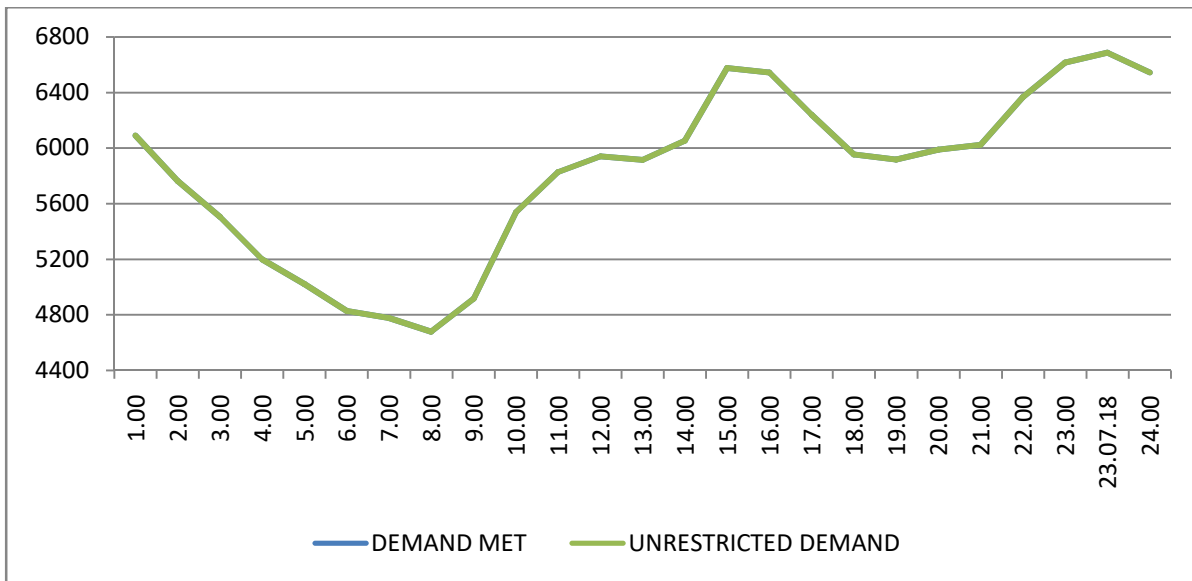
DATE	OTHER AGENCIES LIKE GENCO, BBMB, BTPS ETC.				THEFT PRONE SHEDDING			TOTAL SHEDDING DUE TO T&D CONSTS. & THEFT PRONE	GRAND TOTAL
	BSES		TPDDL	NDMC	BSES		TPDDL		
	BYPL	BRPL			BYPL	BRPL			
1	35	36	37	38	39	40	41	42= 26 to 41	43 = 25 + 42
01.09.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.042	0.042
02.09.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.007	0.007
03.09.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.002
04.09.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
05.09.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.041	0.041
06.09.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.046	0.046
07.09.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
08.09.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001
09.09.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.006	0.006
10.09.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.004
11.09.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.004
12.09.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
13.09.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001
14.09.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15.09.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.012	0.012
16.09.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.002
17.09.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001
18.09.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001
19.09.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20.09.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
21.09.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.008	0.008
22.09.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.018	0.018
23.09.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.007	0.007
24.09.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.004
25.09.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
26.09.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.059	0.059
27.09.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.016	0.016
28.09.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
29.09.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001
30.09.22	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	0.281	0.281

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
01.09.22	133.494	6508	23:14:00	0	6508	6508	23:14:00	6508	0
02.09.22	133.345	6471	23:09:46	0	6471	6471	23:09:46	6471	0
03.09.22	129.479	6346	23:30:49	0	6346	6346	23:30:49	6346	0
04.09.22	124.796	6386	23:40:49	0	6386	6386	23:40:49	6386	0
05.09.22	132.410	6472	23:27:10	0	6472	6472	23:27:10	6472	0
06.09.22	134.021	6506	22:58:22	0	6506	6506	22:58:22	6506	0
07.09.22	134.294	6532	23:15:48	0	6532	6532	23:15:48	6532	0
08.09.22	134.411	6652	23:00:21	0	6652	6652	23:00:21	6652	0
09.09.22	138.868	6687	23:07:18	0	6687	6687	23:07:18	6687	0
10.09.22	135.388	6545	0:00:03	0	6545	6545	0:00:03	6545	0
11.09.22	124.938	6338	23:07:47	0	6338	6338	23:07:47	6338	0
12.09.22	133.057	6485	23:21:15	0	6485	6485	23:21:15	6485	0
13.09.22	129.044	6284	0:00:03	0	6284	6284	0:00:03	6284	0
14.09.22	121.897	5948	0:00:00	0	5948	5948	0:00:00	5948	0
15.09.22	110.327	5237	0:00:07	0	5237	5237	0:00:07	5237	0
16.09.22	98.975	4675	10:49:12	0	4675	4675	10:49:12	4675	0
17.09.22	98.510	4765	15:02:33	0	4765	4765	15:02:33	4765	0
18.09.22	99.249	5119	23:02:17	0	5119	5119	23:02:17	5119	0
19.09.22	112.117	5341	15:01:57	0	5341	5341	15:01:57	5341	0
20.09.22	110.692	5427	14:28:08	0	5427	5427	14:28:08	5427	0
21.09.22	106.924	5266	12:00:53	0	5266	5266	12:00:53	5266	0
22.09.22	98.259	4776	11:46:57	0	4776	4776	11:46:57	4776	0
23.09.22	92.391	4647	12:30:44	0	4647	4647	12:30:44	4647	0
24.09.22	86.569	4193	11:30:47	0	4193	4193	11:30:47	4193	0
25.09.22	83.468	4028	19:25:09	0	4028	4028	19:25:09	4028	0
26.09.22	95.677	4726	15:27:21	0	4726	4726	15:27:21	4726	0
27.09.22	98.801	4805	15:16:00	0	4805	4805	15:16:00	4805	0
28.09.22	105.230	4959	15:04:30	0	4959	4959	15:04:30	4959	0
29.09.22	103.993	5051	14:57:32	0	5051	5051	14:57:32	5051	0
30.09.22	104.912	5100	15:28:50	0	5100	5100	15:28:50	5100	0
TOTAL	3445.536	6687	23.07.18			6687	23.07.18		
		09.09.22				09			

9. **LOAD PATTERN OF DELHI ON THE DAY OF PEAK DEMAND MET DURING SEPTEMBER 2022 ON 09.09.2022 - 6687MW AT 23.07.18HRS.**

All figures in MW

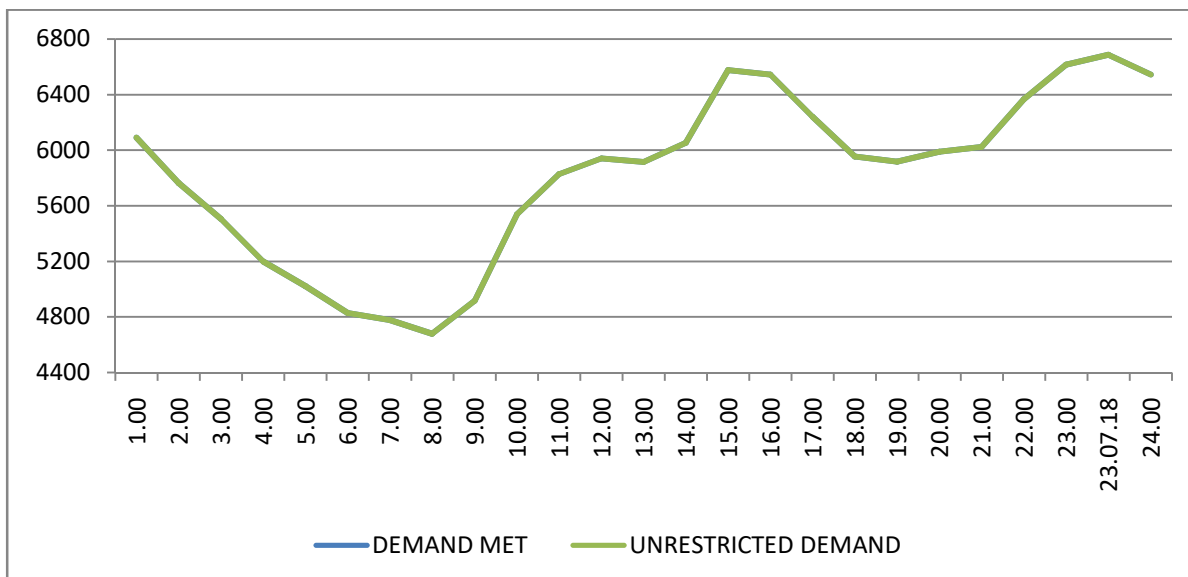
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	6089	0	6089
2.00	5763	0	5763
3.00	5504	0	5504
4.00	5198	0	5198
5.00	5022	0	5022
6.00	4827	0	4827
7.00	4777	0	4777
8.00	4678	0	4678
9.00	4915	0	4915
10.00	5536	0	5536
11.00	5828	0	5828
12.00	5939	0	5939
13.00	5915	0	5915
14.00	6052	0	6052
15.00	6575	0	6575
16.00	6544	0	6544
17.00	6240	0	6240
18.00	5953	0	5953
19.00	5916	0	5916
20.00	5989	0	5989
21.00	6023	0	6023
22.00	6365	0	6365
23.00	6614	0	6614
23.07.18	6687	0	6687
24.00	6543	0	6543
Total (IN MUS)	138.867	0.006	138.87329



10 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UN-RESTRICTED DEMAND DURING SEPTEMBER 2022 ON 09.09.2022 - 6687MW AT 23.07.18HRS.

All figures in MW

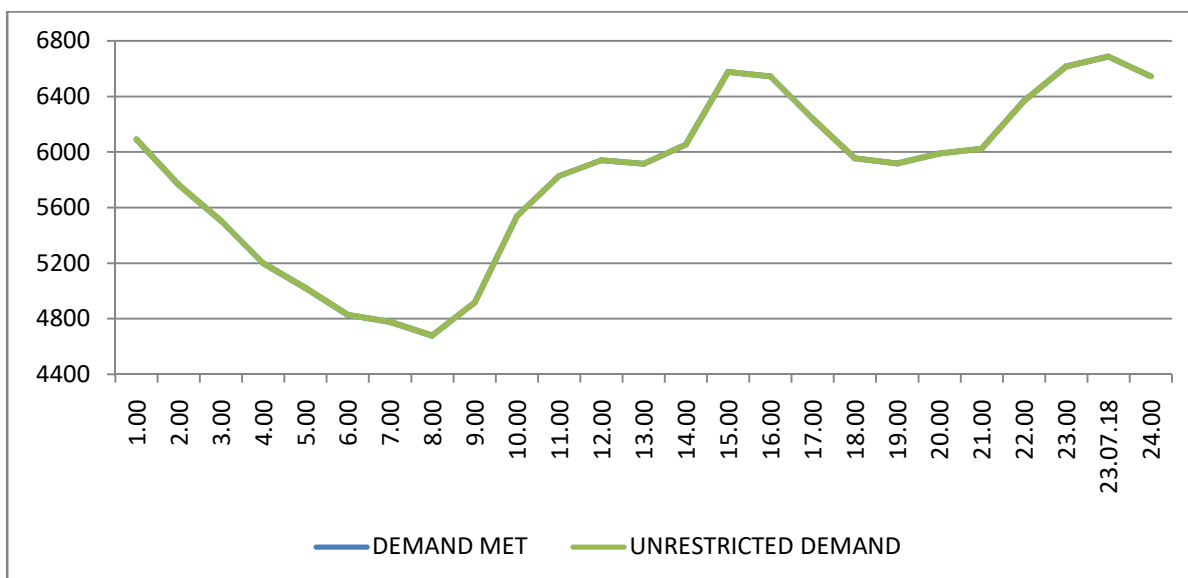
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	6089	0	6089
2.00	5763	0	5763
3.00	5504	0	5504
4.00	5198	0	5198
5.00	5022	0	5022
6.00	4827	0	4827
7.00	4777	0	4777
8.00	4678	0	4678
9.00	4915	0	4915
10.00	5536	0	5536
11.00	5828	0	5828
12.00	5939	0	5939
13.00	5915	0	5915
14.00	6052	0	6052
15.00	6575	0	6575
16.00	6544	0	6544
17.00	6240	0	6240
18.00	5953	0	5953
19.00	5916	0	5916
20.00	5989	0	5989
21.00	6023	0	6023
22.00	6365	0	6365
23.00	6614	0	6614
23.07.18	6687	0	6687
24.00	6543	0	6543
Total (IN MUS)	138.867	0.006	138.87329



11 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM ENERGY CONSUMED DURING SEPTEMBER 2022 – 09.09.2022 – 138.868 Mus

All figures in MW

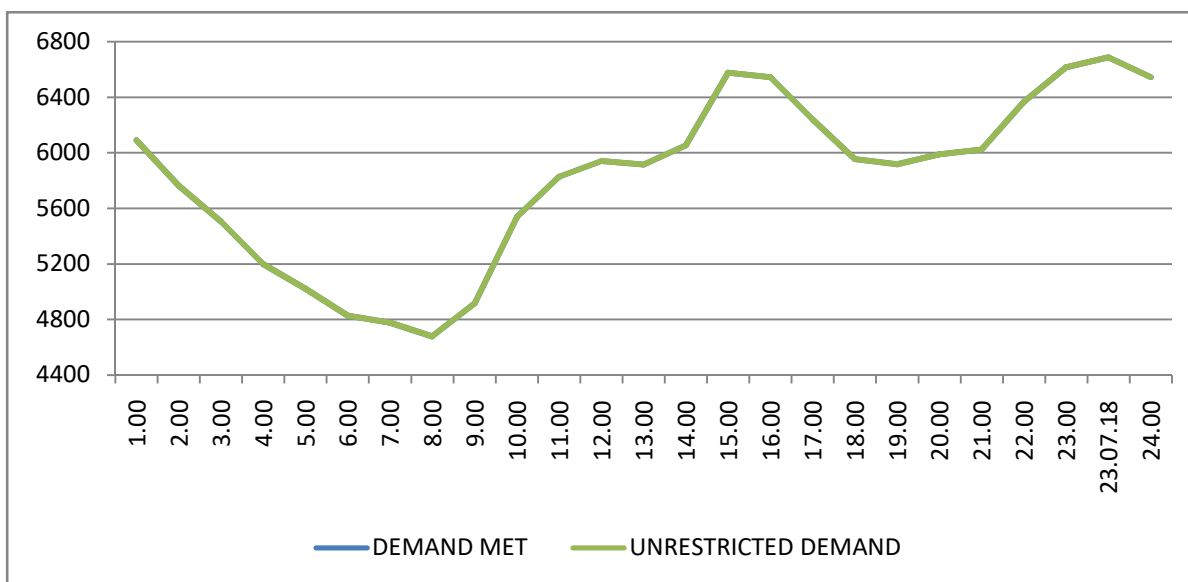
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	6089	0	6089
2.00	5763	0	5763
3.00	5504	0	5504
4.00	5198	0	5198
5.00	5022	0	5022
6.00	4827	0	4827
7.00	4777	0	4777
8.00	4678	0	4678
9.00	4915	0	4915
10.00	5536	0	5536
11.00	5828	0	5828
12.00	5939	0	5939
13.00	5915	0	5915
14.00	6052	0	6052
15.00	6575	0	6575
16.00	6544	0	6544
17.00	6240	0	6240
18.00	5953	0	5953
19.00	5916	0	5916
20.00	5989	0	5989
21.00	6023	0	6023
22.00	6365	0	6365
23.00	6614	0	6614
23.07.18	6687	0	6687
24.00	6543	0	6543
Total (IN MUS)	138.867	0.006	138.87329



12 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UNRESTRICTED ENERGY DEMAND DURING SEPTEMBER 2022 - ON 09.09.2022- 138.873-MUs

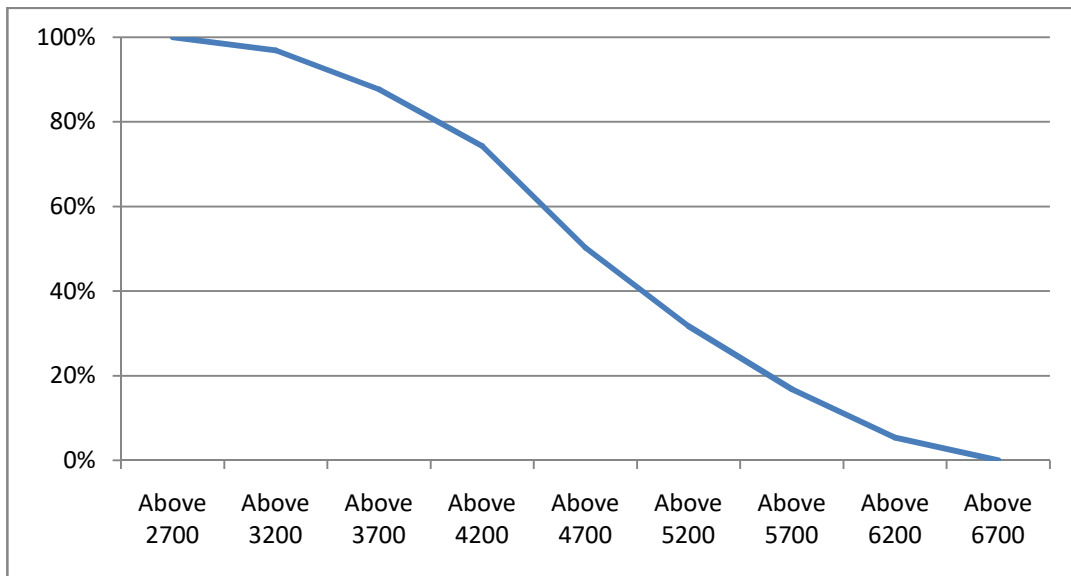
All figures in MW

Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	6089	0	6089
2.00	5763	0	5763
3.00	5504	0	5504
4.00	5198	0	5198
5.00	5022	0	5022
6.00	4827	0	4827
7.00	4777	0	4777
8.00	4678	0	4678
9.00	4915	0	4915
10.00	5536	0	5536
11.00	5828	0	5828
12.00	5939	0	5939
13.00	5915	0	5915
14.00	6052	0	6052
15.00	6575	0	6575
16.00	6544	0	6544
17.00	6240	0	6240
18.00	5953	0	5953
19.00	5916	0	5916
20.00	5989	0	5989
21.00	6023	0	6023
22.00	6365	0	6365
23.00	6614	0	6614
23.07.18	6687	0	6687
24.00	6543	0	6543
Total (IN MUS)	138.867	0.006	138.87329



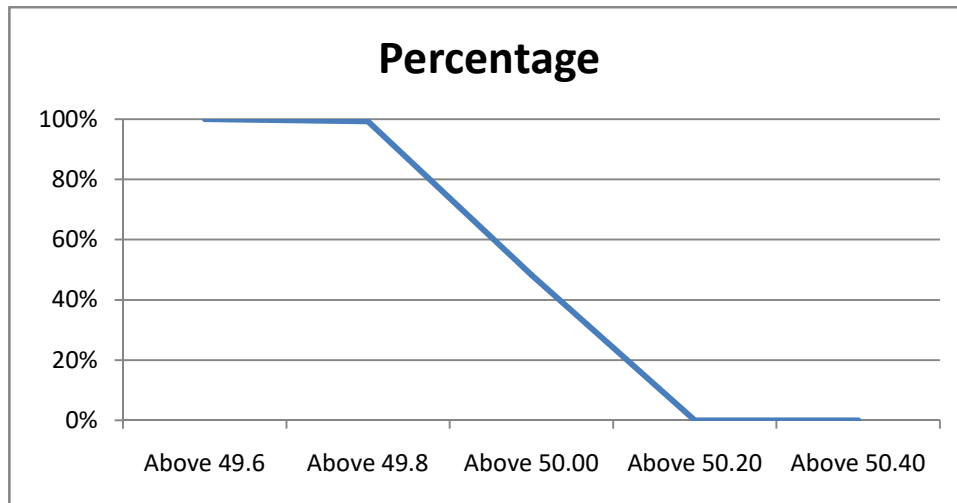
13 **LOAD DURATION CURVE FOR SEPTEMBER 2022**

LOAD REMAINED ABOVE IN MW	(%) OF TIME
Above 2700	100%
Above 3200	96.88%
Above 3700	87.64%
Above 4200	74.27%
Above 4700	50.24%
Above 5200	31.70%
Above 5700	16.77%
Above 6200	5.35%
Above 6700	0.00%



14 FREQUENCY ANALYSIS FOR THE MONTH OF SEPTEMBER 2022

FREQUENCY REMAINED ABOVE IN HZ	(%) OF TIME
Above 49.6	100%
Above 49.8	99.27%
Above 50.00	48.26%
Above 50.20	0.03%
Above 50.40	0.00%



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

All figures in kV

Date	NARELA		GAZIPUR	
	Max	Min	Max	Min
01.09.22	225.09	210.72	232.4	219.2
02.09.22	223.81	211.89	231.87	219.96
03.09.22	223.31	211.74	230.92	219.66
04.09.22	224.57	213.43	233.09	221.96
05.09.22	224.29	211.08	232.45	218.48
06.09.22	222.79	202.33	230.8	217.95
07.09.22	224	211.35	231.26	218.24
08.09.22	223.99	210.24	230.91	216.06
09.09.22	224.95	212.17	230.77	217.24
10.09.22	225.19	214.35	233.52	219
11.09.22	226.54	214.9	235.22	223.43
12.09.22	226.46	213.28	234.87	222.68
13.09.22	226.36	214.92	235.39	220.14
14.09.22	225.63	218.11	233.54	224.14
15.09.22	226.68	217.29	234.39	222.98
16.09.22	229.64	216.71	237.5	225.4
17.09.22	228.38	217.22	239.39	226.42
18.09.22	225.76	217.44	234.72	226.34
19.09.22	224.9	215.66	233.53	223.61
20.09.22	224.99	213.75	234.32	223.28
21.09.22	225.47	215.89	234.84	224.32
22.09.22	229.35	219.99	238.05	228.67
23.09.22	230.64	218.97	240.07	228.19
24.09.22	229.07	219.3	238.42	226.7
25.09.22	229.57	215.48	238.41	223.96
26.09.22	227.07	217.4	236.02	226.44
27.09.22	229.87	216.1	238.55	226.63
28.09.22	228.42	216.35	238.16	226.48
29.09.22	228.15	216.23	237.65	226.17
30.09.22	227.31	215.44	236.86	225.27

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

All figures in kV

Date	400kV Bamnauli Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01.09.22	413.83	7:28:12	392.57	12:26:08	403.2
02.09.22	412.32	6:51:01	392.42	12:14:50	402.54
03.09.22	412.97	18:02:46	392.64	10:46:35	403.93
04.09.22	418.24	17:44:07	396.42	22:53:44	408.35
05.09.22	416.98	7:03:40	391.04	11:33:44	406.36
06.09.22	414.34	2:02:58	392.46	22:33:00	404.69
07.09.22	415.31	7:31:30	391.93	23:08:10	404.5
08.09.22	415.07	17:01:33	393.75	12:23:08	405.98
09.09.22	416.63	7:02:16	394.32	11:32:58	406.44
10.09.22	416.46	18:01:52	395.43	12:25:56	405.71
11.09.22	418.35	16:07:06	391.33	22:34:04	407.75
12.09.22	413.69	8:00:41	381.19	16:21:37	403.35
13.09.22	416.44	7:28:23	397.06	0:03:31	406.51
14.09.22	414.65	8:02:15	403.83	0:04:19	409.1
15.09.22	418.84	3:31:52	400.35	11:35:56	411.7
16.09.22	421.67	3:00:50	397.73	12:13:28	409.74
17.09.22	420.5	4:02:38	399.06	19:09:13	409.93
18.09.22	414.42	17:18:20	400.66	12:26:16	408.11
19.09.22	413.85	4:01:12	395.75	10:29:11	405.57
20.09.22	416.18	17:01:53	396.52	12:46:09	406.71
21.09.22	416.99	16:23:56	398.6	10:29:29	409.7
22.09.22	419.56	4:01:33	405.8	10:31:36	413.98
23.09.22	422.99	3:02:24	403.89	19:13:02	414
24.09.22	420.56	4:00:22	404.91	18:49:43	414.38
25.09.22	423.88	3:58:16	395.74	19:11:39	413.36
26.09.22	415.43	4:00:53	399.25	19:34:40	408.69
27.09.22	422.11	4:01:26	401.18	18:26:07	410.58
28.09.22	419.89	4:03:45	400.8	19:22:21	410.56
29.09.22	419.62	4:01:44	400.12	12:13:56	408.97
30.09.22	417.32	4:01:48	398.56	19:11:03	408.31

All figures in kV

Date	400kV Bawana Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01.09.22	411.15	7:28:19	389.36	12:44:36	400.06
02.09.22	409.58	6:49:11	389.91	12:15:20	400.56
03.09.22	411.55	17:35:07	391.6	12:45:02	401.58
04.09.22	413.94	7:01:31	391.1	22:53:56	402.13
05.09.22	412.1	7:04:15	388.15	11:33:42	402.02
06.09.22	408.6	2:10:35	391.83	22:32:36	400.97
07.09.22	411.04	7:31:33	389.61	11:56:38	400.41
08.09.22	412.16	7:03:21	387.11	12:23:49	401.55
09.09.22	413.84	7:02:18	390.3	11:33:15	402.09
10.09.22	415.47	18:01:42	391.53	22:37:29	403.81
11.09.22	416.12	17:32:20	393.73	22:37:40	405.65
12.09.22	411.38	17:36:53	394.7	23:15:36	403.34
13.09.22	416.18	7:27:58	396.86	0:04:19	406.83
14.09.22	415.05	8:01:41	402.72	0:17:21	409.73
15.09.22	417.66	23:57:18	403.81	11:35:35	412.66
16.09.22	421.47	3:07:04	400.72	12:12:11	410.88
17.09.22	418	4:01:40	400.11	19:09:09	410.25
18.09.22	413.82	4:01:04	401.67	12:26:20	408.23
19.09.22	413.11	4:03:28	398.23	12:09:51	405.88
20.09.22	413.58	17:01:47	396.5	12:28:47	406.39
21.09.22	413.87	16:25:13	399.47	10:29:39	408.67
22.09.22	417.93	4:00:28	405.63	19:04:44	412.75
23.09.22	419.92	3:02:13	402.66	19:14:43	412.48
24.09.22	417.39	4:00:19	402.4	18:48:36	411.96
25.09.22	419.76	4:01:55	396.07	19:11:39	411.1
26.09.22	412.81	4:00:44	399.61	19:20:13	407.35
27.09.22	417.41	4:01:08	398.58	19:22:46	408.76
28.09.22	417.11	4:00:23	398.2	19:23:28	408.63
29.09.22	417.24	4:01:35	397.58	19:10:50	406.9
30.09.22	414.1	4:01:46	396.03	19:07:03	405.31

DETAILS OF BREAK-DOWNS/TRIPPING DURING THE MONTH OF SEPTEMBER 2022

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
1	01.09.22	18:30	NAJAFGARH 220/66kV 160MVA Tx-III	01.09.22	18:40	E/F
2	01.09.22	18:30	NAJAFGARH 220/66kV 160MVA Tx-II	01.09.22	18:40	E/F
3	01.09.22	18:30	NAJAFGARH 220/66kV 100MVA Tx-I	01.09.22	18:40	E/F
4	01.09.22	18:30	NAJAFGARH 220/66kV 100MVA Tx-IV	01.09.22	18:40	E/F.
5	02.09.22	6:32	INDRAPRASTHA POWER 220/33kV 100MVA Tx-II	02.09.22	7:10	I/C TRIPPED O/C, Y&B PHASE.
6	02.09.22	12:52	GEETA COLONY 220/33kV 100MVA Tx-II	02.09.22	13:55	86, MASTER RELAY.
7	05.09.22	14:13	220kV BAWANA-DSIIDC BAWANA CKT-II	05.09.22	16:20	AT BAWANA : DIST PROT, ZONE-I, DIST 3.34MTS, 86AB.
8	05.09.22	19:16	MUNDKA 400/220KV 315MVA ICT-III	Contd.	As on 30.09.22	Differential, REF, Buchholz ,PRV ,OTI ,WTI ,OSR ,86A ,86 B .
9	05.09.22	19:16	220KV PEERAGARHI-WAZIRPUR CKT-II	06.09.22	0:31	At Wazirpur : Dist prot, Zone-I, Y Phase faulty, 86
10	05.09.22	19:16	220KV MUNDKA-PEERAGARHI CKT-I	Contd.	As on 30.09.22	At Tikri Kalan : Dist prot, 86. At Peeragarhi : Dist prot, Zone-I, B Phase, E/F, 86.
11	05.09.22	19:16	220KV PEERAGARHI-WAZIRPUR CKT-I	06.09.22	0:31	At Wazirpur : Dist prot, Zone-I, B Phase, 86.
12	06.09.22	12:09	220kV NARELA - MANDOLA CKT-II	06.09.22	13:28	ATG NARELA : O/C, 86A&B
13	06.09.22	12:09	220kV NARELA - MANDOLA CKT-I	06.09.22	20:26	AT NARELA : DIST PROT, ZONE-I, DIST 7.3074KM.
14	07.09.22	12:55	220kV DIAL- MEHRAULI CKT-II	07.09.22	14:14	AT MEHRAULI : TRIPPED ON DIST PROT, ZONE-II.
15	08.09.22	13:20	BAWANA 400/220kV 315MVA ICT-IV	16/09/2022 20:03	20:03	PRV.
16	09.09.22	0:05	220kV DSIIDC BAWANA-NARELA CKT-II	14.09.22	19:48	AT NARELA : DIST PROT, ZONE-I, 86, DIST 7.887KM.
17	10.09.22	15:47	220kV BAWANA-DSIIDC BAWANA CKT-I	10.09.22	19:15	AT DSIDC BAWANA : DIST PROT, ZONE-I, 86.
18	11.09.22	14:14	220kV NARELA - MANDOLA CKT-I	11.09.22	15:27	AT MANDOLA : E/F, R PHASE, DIST PROT, DIST 16.7KM.
19	12.09.22	12:50	220kV PRAGATI - SARITA VIHAR CKT - I	12.09.22	14:30	AT SARITA VIHAR : DIST PROT, ZONE-II, DIST 19.72KM. 186A&B.
20	13.09.22	15:51	220kV DIAL- MEHRAULI CKT-II	13.09.22	18:01	AT MEHRAULI : DIST PROT, ZONE-II, DIST 6.124KM.
21	15.09.22	16:30	220kV BAMNAULI-NAJAFGARH CKT-II	15.09.22	19:34	AT BAMNAULI : DIST PROT, ZONE-I, DIST 5.37KM, B PHASE.
22	16.09.22	19:58	OKHLA 66/11kV, 20MVA Tx-II	16.09.22	20:15	86, E/F, R&B PHASE.
23	17.09.22	13:18	220kV BAMNAULI - DIAL CKT-II	17.09.22	17:18	AT BAMNAULI : DIST PROT, ZONE-III, 86A&B, DIST 9.85KM.
24	17.09.22	23:35	SUBZI MANDI 220/33kV 100MVA Tx-II	18.09.22	7:20	86
25	18.09.22	15:25	GEETA COLONY 220/33kV 100MVA Tx-II	18.09.22	15:44	86, O/C.
26	19.09.22	23:18	220kV KANJHAWALA-NAJAFGARH CKT	20.09.22	0:14	AT KHANJAWALA : DIST PROT, ZONE-I, DIST 10.16KM, B PHASE,
27	20.09.22	12:29	220kV PRAGATI - SARITA VIHAR CKT - I	20.09.22	15:23	AT SARITA VIHAR : DIST PROT, ZONE-II, DIST 19.04KM, RYB PHASE TRIP.
28	21.09.22	12:23	SHALIMAR BAGH 220/33kV 100MVA Tx-I	21.09.22	12:38	E/F.
29	22.09.22	11:04	OKHLA 220/33kV 100MVA Tx-IV	22.09.22	16:58	E/F, O/C.
30	22.09.22	11:04	OKHLA 220/33kV 100MVA Tx-III	22.09.22	15:58	O/C, E/F.
31	22.09.22	13:00	OKHLA 66/11kV, 20MVA Tx-II	22.09.22	13:45	O/C.
32	22.09.22	14:40	OKHLA 66/11kV, 20MVA Tx-II	22.09.22	14:41	O/C
33	22.09.22	16:17	OKHLA 66/11kV, 20MVA Tx-II	22.09.22	17:45	O/C
34	23.09.22	3:59	PARKSTREET 66/33kV, 30MVA Tx-II	23.09.22	12:35	86
35	23.09.22	10:45	MASJID MOTH 220/33kV 100MVA Tx-II	23.09.22	15:00	O/C, E/F.
36	23.09.22	16:28	PAPPANKALAN-III 220/66kV 160MVA Tx-II	24.09.22	15:36	67N.
37	23.09.22	17:01	KANJHAWALA 66/11kV, 20MVA Tx-I	23.09.22	18:33	86
38	23.09.22	15:40	220kV MEHRAULI - VASANT KUNJ CKT.-I	24.09.22	15:10	TRIPPED WITHOUT INDICATION.

SL N O	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
39	24.09.22	2:25	VASANT KUNJ 220/66kV 100MVA Tx-II	24.09.22	10:55	86
40	24.09.22	14:24	SHALIMAR BAGH 33/11kV, 20MVA Tx	25.09.22	11:47	TRIPPED WITHOUT INDICATION.
41	25.09.22	0:49	PAPPANKALAN-III 220/66kV 160MVA Tx-II	25.09.22	10:55	TRIPPED WITHOUT INDICATION.
42	26.09.22	3:15	KANJHAWALA 220/66kV 100MVA Tx-II	26.09.22	3:27	86
43	26.09.22	3:15	KANJHAWALA 220/66kV 100MVA Tx-I	26.09.22	3:27	86
44	26.09.22	17:06	PAPPANKALAN-I 220/66kV 100MVA Tx-II	28.09.22	13:05	86, E/F
45	27.09.22	12:30	VASANT KUNJ 220/66kV 100MVA Tx-II	27.09.22	13:20	BUS BAR PROTECTION OPERATION
46	27.09.22	12:30	VASANT KUNJ 220/66kV 160MVA Tx-I	27.09.22	16:28	BUS BAR PROTECTION OPERATED.
47	27.09.22	12:30	VASANT KUNJ 220/66kV 100MVA Tx-III	27.09.22	13:20	BUS BAR PROTECTION OPERATED.
48	27.09.22	14:29	220kV MAHARANI BAGH - SARITA VIHAR CKT	27.09.22	17:40	AT SARITA VIHAR : DIST PROT, ZONE-I, R PHASE.
49	28.09.22	15:08	220KV GAZIPUR - MAHARANIBAGH CKT. -II	28.09.22	16:11	AT MAHARANI BAGH : DIST PROT, ZONE-I, DIST 6.508KM.
50	28.09.22	15:10	220kV MEHRAULI - VASANT KUNJ CKT. - II	28.09.22	18:45	AT MEHRAULI : E/F.
51	28.09.22	17:37	220kV GEETA COLONY- PATPARGANJ CKT-I	28.09.22	18:45	AT PATPARGANJ : DIST PROT, ZONE-I, DIST 309MTS, 86.

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

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