DELHI TRANSCO LTD.

STATE LOAD DISPATCH CENTER

PROGRESS REPORT

****

OCTOBER 2023

1 SALIENT FEATURES OF DELHI POWER SYSTEM

Sr. No.	Features	OCT. 2022	OCT. 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 Energ Plant)	16	16
	EDWPCL (Waste to Energ Plant)	10	10
	DMSWL (Waste to Energ Plant)	24	24
	TWEPL	--	25
	Total	2156	**2181**
2	**Maximum Unrestricted Demand (MW)**	**4990**	**5583**
	Date	04.10.22	09.10.23
	Time	16.17.48	15.26.00
3	**Peak Demand met (MW)**	**4990**	**5583**
	Date	04.10.22	09.10.23
	Time	16.17.48	15.26.00
4	Peak Availability (MW)	4943	5488
5	Shortage (-) / Surplus (+) in MW	(-) 47	(-) 95
6	Percentage Shortage (-) / Surplus (+)	(-) 0.94	(-) 1.70
7	Maximum Energy Consume in a day (Mus)	105.241	116.495
8	Energy Consumed during the month	**2447.404**	**2858.848**
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	0.075	0.093
	TPDDL	0.008	0.116
	BRPL	0.000	0.054
	BYPL	0.013	0.004
	NDMC	0.000	0.000
	MES	0.000	0.000
	Other Agencies	0.000	0.000
	Total	**0.096**	**0.267**
10	**Grand Total in Mus**	**0.096**	**0.267**

2. PERFORMANCE OF GENERATING STATIONS WITHIN DELHI DURING OCTOBER 2023

A) For the month of October 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	28.106	1.540	26.566	81.55	26.903
3.	PPCL	86.594	1.768	84.826	101.15	156.277
4.	Bawana	365.213	10.683	354.530	92.51	423.842
	TOTAL	**479.913**	**14.115**	**465.798**	--	**607.022**

WASTE TO ENERGY GENERATING PLANTS WITHIN DELHI

S. No	Stations	Gross Generation	Aux. Consumption	Net Generation
5.	Towmcl	15.529	2.140	13.389
6.	EDWPCL	5.610	0.962	4.648
7.	DMSWL	12.791	2.516	10.275
8.	TWEPL	16.971	1.714	15.257
	TOTAL	**50.901**	**7.332**	**43.569**

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

Power Station	Effective Capacity (MW)	Net Generation in MUs for Oct. 2023	Availability (%) for Oct. 2023	Cumulative Generation in MUs upto Oct. 2023 for the year 2023-24	Cumulative Availability in % upto Oct. 2023 for the year 2023-24
RPH	135	-0.124	--	-0.732	--
GT	90	26.566	81.55	143.651	86.23
PPCL	330	84.826	101.15	639.241	95.77
Bawana	1372	354.530	92.51	1295.738	93.55
TOTAL	1927	**465.798**	**--**	2077.898	--

WASTE TO ENERGY GENERATING PLANTS WITHIN DELHI

Power Station	Effective Capacity (MW)	Net Generation in MUs for Oct. 2023	Cumulative Generation in MUs upto Oct. 2023 for the year 2023-24
Towmcl	16	13.389	87.116
EDWPCL	10	4.648	24.706
DMSWL	24	10.275	82.931
TWEPL	25	15.257	114.456
TOTAL	**75**	**43.569**	**309.209**

3 DETAILS OF OUTAGES OF GENERATING STNS. WITHIN DELHI FOR OCTOBER 2023

RPH

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	67.5					Not in operation due to not meeting pollution norms.
2	67.5					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	01.10.23	00.00	31.10.23	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	16.10.23	11.42	16.10.23	17.25	Unit tripped due to mallfunctioning of C & I card.
STG-1	30	NIL				
STG-2	30	NIL				
STG-3	30	16.10.23	11.42	16.10.23	19.15	Unit tripped due to mallfunctioning of C & I card.

(C) PRAGATI

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	104	01.10.23	00.00	31.10.23	23.59	Stopped due to low demand.
2	104	05.10.23	23.31	06.10.23	01.15	Unit tripped on internal fault
		24.10.23	02.00	31.10.23	23.59	Stopped due to low demand.
STG	122	05.10.23	23.31	06.10.23	06.18	Unit tripped on internal fault
		24.10.23	02.00	31.10.23	23.59	Stopped due to low 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	14.10.23	18.30	14.10.23	1943	Due to malfunctioning in 2DBT01 & 02 board, resulting in no supply in 2KA board. Due to this, all GT DMCW got tripped and GT#3 tripped on cold gas temperature high
4	216	NIL				
STG-1	254	NIL				
STG-2	254	14.10.23	18.30	14.10.23	20:44	Due to outage of GT#3.
		16.10.23	19.05	23.10.23	20.00	STG#2 tripped at 19:05hrs due to tripping of both auxiliary transformer resulting STG tripped on low vacuum.

4 ALLOCATION OF POWER TO DISCOMS

A) ALLOCTION 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	NDMC	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										
NTPC STATIONS										
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**
NHPC (HYDRO)										
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		
Dhauli 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	NDMC	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				
NPC (NUCLEAR)										
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**
Allocation from ER										
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**
Allocation from Long term Bilateral										
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) ALLOCTION 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	TPDDL	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		
Dhauli 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		
NPC (NUCLEAR)										
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**

5 POWER AVAILABILITY-DEMAND POSITION AT THE TIME OF PEAK DEMAND MET DURING OCTOBER 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	00.00.45	36	153	274	19	9	16	22	529	4547	4522	25	5076	0	5076
2	00.00.45	37	155	274	19	9	16	24	534	4080	4122	-42	4614	0	4614
3	17.09.51	35	150	274	18	8	16	22	523	4336	4186	150	4859	0	4859
4	16.02.03	35	150	274	18	8	16	23	524	4406	4302	104	4930	0	4930
5	15.18.50	34	148	273	18	6	17	24	520	4407	4397	10	4927	0	4927
6	15.31.14	34	148	479	18	22	17	23	741	4256	4279	-23	4997	0	4997
7	18.46.00	36	151	633	15	7	14	23	879	4089	4193	-104	4968	0	4968
8	23.12.42	36	152	694	18	8	17	25	950	4366	4246	120	5316	0	5316
9	15.26.00	34	147	922	18	5	6	25	1157	4426	4331	95	5583	0	5583
10	15.10.23	34	148	944	19	6	7	5	1163	4404	4266	138	5567	0	5567
11	15.09.15	35	149	817	18	8	7	10	1044	4042	4201	-159	5086	0	5086
12	18.22.00	37	151	746	19	8	8	11	980	3965	3910	55	4945	0	4945
13	18.24.39	36	151	875	18	6	7	9	1102	3963	3944	19	5065	0	5065
14	18.22.00	36	150	945	18	8	7	10	1174	3644	3462	182	4818	0	4818
15	00.02.25	37	154	943	18	8	8	12	1180	3350	3303	47	4530	0	4530
16	12.38.46	0	155	783	4	8	6	11	967	3590	3586	4	4557	0	4557
17	18.16.07	39	159	476	18	7	8	10	717	3441	3311	130	4158	0	4158
18	18.35.00	37	157	564	12	7	7	10	794	3397	3333	64	4191	0	4191
19	17.59.42	36	156	646	12	7	18	18	893	3240	3161	79	4133	0	4133
20	18.20.00	37	156	685	12	9	18	24	941	3264	3253	11	4205	0	4205
21	18.15.26	38	156	621	12	4	18	23	872	3046	3081	-35	3918	0	3918
22	18.23.00	40	158	275	12	8	18	23	534	3142	3073	69	3676	0	3676
23	18.30.02	38	155	272	12	9	17	23	526	3498	3489	9	4024	0	4024
24	10.58.08	37	0	274	12	7	18	23	371	3136	3097	39	3507	0	3507
25	18.16.19	37	0	271	12	7	15	26	368	3745	3802	-57	4113	0	4113
26	18.06.41	37	0	305	12	7	17	20	398	3710	3743	-33	4108	0	4108
27	18.19.40	38	0	282	12	10	17	24	383	3730	3800	-70	4113	0	4113
28	18.17.01	38	0	318	16	10	17	25	424	3449	3478	-29	3873	0	3873
29	18.11.23	38	0	273	18	10	17	24	380	3312	3317	-5	3692	0	3692
30	18.24.00	38	0	274	19	8	18	19	376	3757	3723	34	4133	0	4133
31	18.17.16	39	0	319	18	0	17	27	420	3793	3804	-11	4213	0	4213

6 POWER AVAILABILITY- DEMAND POSITION AT THE TIME OF MAXIMUM UNRESTRICTED DEMAND DURING OCTOBER 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	00.00.45	36	153	274	19	9	16	22	529	4547	4522	25	5076	0	5076
2	00.00.45	37	155	274	19	9	16	24	534	4080	4122	-42	4614	0	4614
3	17.09.51	35	150	274	18	8	16	22	523	4336	4186	150	4859	0	4859
4	16.02.03	35	150	274	18	8	16	23	524	4406	4302	104	4930	0	4930
5	15.18.50	34	148	273	18	6	17	24	520	4407	4397	10	4927	0	4927
6	15.31.14	34	148	479	18	22	17	23	741	4256	4279	-23	4997	0	4997
7	18.46.00	36	151	633	15	7	14	23	879	4089	4193	-104	4968	0	4968
8	23.12.42	36	152	694	18	8	17	25	950	4366	4246	120	5316	0	5316
9	15.26.00	34	147	922	18	5	6	25	1157	4426	4331	95	5583	0	5583
10	15.10.23	34	148	944	19	6	7	5	1163	4404	4266	138	5567	0	5567
11	15.09.15	35	149	817	18	8	7	10	1044	4042	4201	-159	5086	0	5086
12	18.22.00	37	151	746	19	8	8	11	980	3965	3910	55	4945	0	4945
13	18.24.39	36	151	875	18	6	7	9	1102	3963	3944	19	5065	0	5065
14	18.22.00	36	150	945	18	8	7	10	1174	3644	3462	182	4818	0	4818
15	00.02.25	37	154	943	18	8	8	12	1180	3350	3303	47	4530	0	4530
16	12.38.46	0	155	783	4	8	6	11	967	3590	3586	4	4557	0	4557
17	18.16.07	39	159	476	18	7	8	10	717	3441	3311	130	4158	0	4158
18	18.35.00	37	157	564	12	7	7	10	794	3397	3333	64	4191	0	4191
19	17.59.42	36	156	646	12	7	18	18	893	3240	3161	79	4133	0	4133
20	18.20.00	37	156	685	12	9	18	24	941	3264	3253	11	4205	0	4205
21	18.15.26	38	156	621	12	4	18	23	872	3046	3081	-35	3918	0	3918
22	18.23.00	40	158	275	12	8	18	23	534	3142	3073	69	3676	0	3676
23	18.30.02	38	155	272	12	9	17	23	526	3498	3489	9	4024	0	4024
24	10.58.08	37	0	274	12	7	18	23	371	3136	3097	39	3507	0	3507
25	18.16.19	37	0	271	12	7	15	26	368	3745	3802	-57	4113	0	4113
26	18.06.41	37	0	305	12	7	17	20	398	3710	3743	-33	4108	0	4108
27	18.19.40	38	0	282	12	10	17	24	383	3730	3800	-70	4113	0	4113
28	18.17.01	38	0	318	16	10	17	25	424	3449	3478	-29	3873	0	3873
29	18.11.23	38	0	273	18	10	17	24	380	3312	3317	-5	3692	0	3692
30	18.24.00	38	0	274	19	8	18	19	376	3757	3723	34	4133	0	4133
31	18.17.16	39	0	319	18	0	17	27	420	3793	3804	-11	4213	0	4213

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

(ALL FIGURES IN MUS)

GENERATION WITHIN DELHI	AVAILABILITY	SCHEDULE
Rajghat Power House	0.000	0.000
Gas Turbine	53.500	26.597
Pragati-I	241.440	85.163
Pragati-III (Bawana)	738.520	314.678
Rithala	0.000	0.000
Badarpur	0.000	0.000
Renewable (include WTE)	43.990	43.990
TOTAL DELHI GEN.	**1077.450**	**470.428**

NAME OF STATION	AVAILABILITY	SCHEDULE
ANTA G-GF	27.000	0.000
ANTA G-LF		0.000
ANTA G-RF		3.715970
ANTA CRF		0.001213
AURIYA G-GF	47.890	0.000
AURIYA G-LF		0.000
AURIYA G-RF		5.950122
AURIYA CRF		0.047345
DADRI G -GF	58.420	0.000
DADRI G -LF		0.000
DADRI G -RF		8.734702
DADRI CRF		0.000
SINGRAULI STPS	76.020	76.573317
RIHAND STPS	66.540	66.514806
RIHAND-II STPS	35.860	35.742245
RIHAND -III STPS	89.680	90.167054
DADRI-II	410.850	369.538950
UNCHAHAR-I TPS	12.690	9.858790
UNCHAHAR-II TPS	24.110	21.276933
UNCHAHAR-III TPS	18.560	14.039634
UNCHAHAR-IV TPS	0.000	0.000
JHAJJAR	369.860	369.861276
MEJA TPS	0.000	0.000
TRANDA-II TPS	0.000	0.000
FARAKA	11.880	11.720862
KAHALGAON-I	30.380	29.822047
KAHALGAON-II	82.450	80.854555
SASAN	274.170	274.152704

NAME OF STATION	AVAILABILITY	SCHEDULE
NABINAGAR STPS (BRBCL)	12.740	13.7067214
BAIRASIUL HEP	2.870	2.869554
SALAL HEP	22.300	22.298451
TANAKPUR HEP	6.840	6.836592
CHAMERA HEP	6.390	6.390224
CHAMERA HEP-II	9.790	9.794456
CHAMERA-III	3.270	3.271353
URI HEP	13.000	12.996950
URI-II HEP	10.130	10.127018
SEWA-II	3.470	3.467168
DHAULIGANGA HEP	8.440	8.439701
DULHASTI HEP	27.340	27.344686
PARVATI-III	3.400	3.395987
NATHPA JHAKRI HEP	39.090	39.094431
TEHRI HEP	16.140	16.1358443
KOTESWAR	8.350	8.3522779
SINGRAULI SHEP	0.540	0.5372268
TALA	8.720	8.717541
KISHAN GANGA	0.000	0.000
KOLDAM	0.000	0.000
RAMPUR	0.000	0.000
NAPP	25.780	25.779889
RAPP C	20.010	20.010165
RAPPPB-4 C	0.000	0.000
KUDGI STPS-I	49.370	49.370
Total	**1934.340**	**1767.509**
LTA	**849.68061**	**849.68061**
Short Term (Purchase)	**173.619263**	**173.619263**
Short Term (Sale)		**-391.874038**
TOTAL AVAILABILITY	**4035.090**	**2869.363**

8. SHEDDING DETAILS DURING THE MONTH OF OCTOBER 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
01.10.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
02.10.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
03.10.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
04.10.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
05.10.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
06.10.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
07.10.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
08.10.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
09.10.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10.10.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11.10.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12.10.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
13.10.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14.10.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15.10.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
16.10.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17.10.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
18.10.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
19.10.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20.10.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
21.10.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22.10.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
23.10.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
24.10.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25.10.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
26.10.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27.10.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
28.10.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
29.10.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30.10.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
31.10.23	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 DEVIATOIN			Shedding due to Transmission/Grid Constraints in Central sector stations				Total	Total shedding due to grid restrictions
	BSES		TPDDL	NDMC	BSES			BSES		TPDDL	NDMC		
	BYPL	BRPL			BYPL	BRPL	TPDDL	BYPL	BRPL				
1	13	14	15	16	17	18	19	20	21	22	23	24=8 to 23	25=7+24
01.10.23	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
02.10.23	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
03.10.23	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
04.10.23	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
05.10.23	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
06.10.23	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
07.10.23	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
08.10.23	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
09.10.23	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
10.10.23	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
11.10.23	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
12.10.23	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
13.10.23	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
14.10.23	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
15.10.23	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
16.10.23	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
17.10.23	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
18.10.23	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
19.10.23	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
20.10.23	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
21.10.23	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
22.10.23	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
23.10.23	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
24.10.23	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
25.10.23	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
26.10.23	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
27.10.23	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
28.10.23	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
29.10.23	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
30.10.23	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
31.10.23	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
01.10.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.012	0.000
02.10.23	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.000	0.000
03.10.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
04.10.23	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.001	0.000
05.10.23	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.000	0.000
06.10.23	0.000	0.000	0.000	0.000	0.000	0.003	0.000	0.000	0.000
07.10.23	0.000	0.000	0.002	0.000	0.000	0.000	0.000	0.032	0.000
08.10.23	0.000	0.000	0.001	0.000	0.000	0.000	0.004	0.028	0.000
09.10.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000
10.10.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11.10.23	0.000	0.000	0.000	0.000	0.000	0.001	0.000	0.000	0.000
12.10.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
13.10.23	0.000	0.000	0.003	0.000	0.000	0.000	0.000	0.000	0.000
14.10.23	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15.10.23	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
16.10.23	0.000	0.000	0.004	0.000	0.000	0.000	0.000	0.000	0.000
17.10.23	0.000	0.011	0.000	0.000	0.000	0.000	0.000	0.000	0.000
18.10.23	0.002	0.000	0.000	0.000	0.000	0.000	0.004	0.000	0.000
19.10.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20.10.23	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.031	0.000
21.10.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.000
22.10.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
23.10.23	0.002	0.000	0.010	0.000	0.000	0.000	0.003	0.008	0.000
24.10.23	0.000	0.000	0.000	0.000	0.000	0.000	0.008	0.000	0.000
25.10.23	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000
26.10.23	0.000	0.000	0.004	0.000	0.000	0.000	0.000	0.000	0.000
27.10.23	0.000	0.000	0.004	0.000	0.000	0.000	0.000	0.000	0.000
28.10.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
29.10.23	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.000
30.10.23	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.000	0.000
31.10.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TOTAL	**0.007**	**0.011**	**0.029**	**0.000**	**0.000**	**0.004**	**0.054**	**0.116**	**0.000**

ALL FIGURES IN MUs

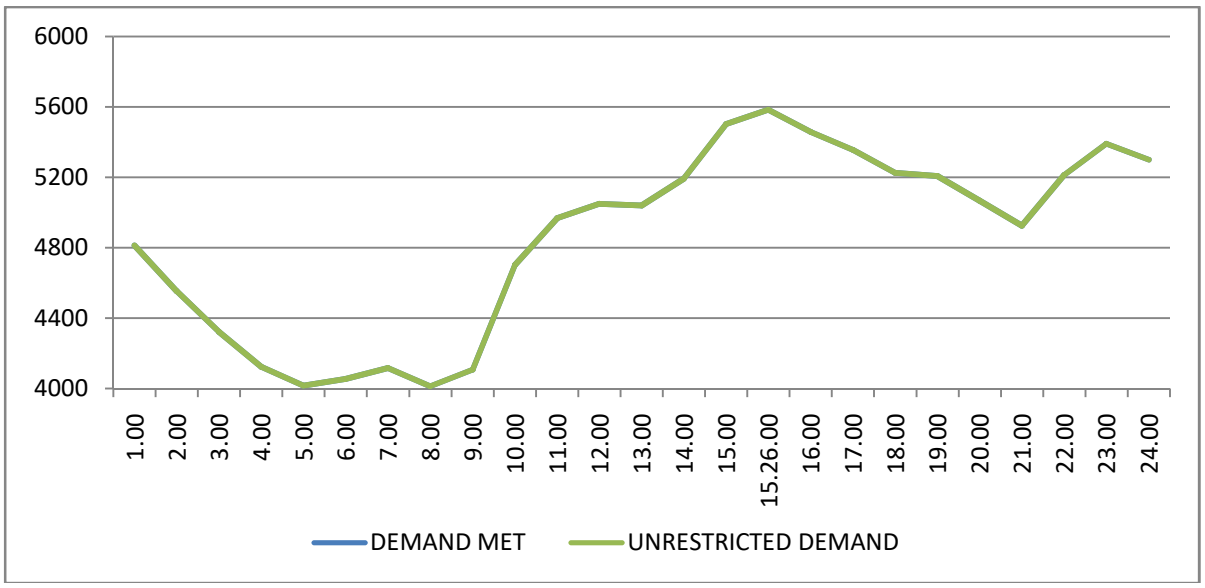
DATE	OTHER AGENCIES LIKE GENCO, BBMB, BTPS ETC.				THEFT PRONE SHEDDING			TOTAL SHEDDING DUE TO T&D CONSTS. & THEFT PRONE	GRAND TOTAL
	BSES		TPDDL	NDMC	BSES		TPDDL		
	BYPL	BRPL			BYPL	BRPL			
1	35	36	37	38	39	40	41	42= 26 to 41	43 = 25 + 42
01.10.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.012	0.012
02.10.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.005	0.005
03.10.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
04.10.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.004
05.10.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.004
06.10.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.003
07.10.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.034	0.034
08.10.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.033	0.033
09.10.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001
10.10.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11.10.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001
12.10.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
13.10.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.004
14.10.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.002
15.10.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001
16.10.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.004
17.10.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.011	0.011
18.10.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.007	0.007
19.10.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20.10.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.040	0.040
21.10.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.004
22.10.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
23.10.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.021	0.021
24.10.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.008	0.008
25.10.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010
26.10.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.004
27.10.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.004
28.10.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
29.10.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001
30.10.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.004
31.10.23	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**	**0.221**	**0.221**

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
01.10.23	103.249	5076	0:00:45	0	5076	5076	0:00:45	5076	0
02.10.23	90.285	4614	0:00:45	0	4614	4614	0:00:45	4614	0
03.10.23	98.859	4859	17:09:51	0	4859	4859	17:09:51	4859	0
04.10.23	101.626	4930	16:02:03	0	4930	4930	16:02:03	4930	0
05.10.23	101.334	4927	15:18:50	0	4927	4927	15:18:50	4927	0
06.10.23	102.625	4996	15:31:14	0	4996	4996	15:31:14	4996	0
07.10.23	104.854	4968	18:46:00	0	4968	4968	18:46:00	4968	0
08.10.23	106.023	5316	23:12:42	0	5316	5316	23:12:42	5316	0
09.10.23	116.614	5583	15:26:00	0	5583	5583	15:26:00	5583	0
10.10.23	115.639	5567	15:10:23	0	5567	5567	15:10:23	5567	0
11.10.23	109.236	5086	15:09:15	0	5086	5086	15:09:15	5086	0
12.10.23	108.793	4945	18:22:40	0	4945	4945	18:22:40	4945	0
13.10.23	105.227	5065	18:24:39	0	5065	5065	18:24:39	5065	0
14.10.23	103.600	4817	18:22:27	0	4817	4817	18:22:27	4817	0
15.10.23	104.971	4530	0:02:25	0	4530	4530	0:02:25	4530	0
16.10.23	96.501	4557	12:38:46	0	4557	4557	12:38:46	4557	0
17.10.23	82.287	4158	18:16:07	0	4158	4158	18:16:07	4158	0
18.10.23	80.907	4190	18:35:42	0	4190	4190	18:35:42	4190	0
19.10.23	80.437	4133	17:59:42	0	4133	4133	17:59:42	4133	0
20.10.23	84.129	4205	18:20:00	0	4205	4205	18:20:00	4205	0
21.10.23	80.357	3919	18:15:26	0	3919	3919	18:15:26	3919	0
22.10.23	73.300	3670	18:23:13	0	3670	3670	18:23:13	3670	0
23.10.23	81.612	4024	18:30:02	0	4024	4024	18:30:02	4024	0
24.10.23	71.266	3507	10:58:08	0	3507	3507	10:58:08	3507	0
25.10.23	76.791	4113	18:16:19	0	4113	4113	18:16:19	4113	0
26.10.23	78.745	4108	18:06:41	0	4108	4108	18:06:41	4108	0
27.10.23	79.735	4114	18:19:40	0	4114	4114	18:19:40	4114	0
28.10.23	78.817	3873	18:17:01	0	3873	3873	18:17:01	3873	0
29.10.23	76.595	3692	18:11:23	0	3692	3692	18:11:23	3692	0
30.10.23	77.811	4133	18:24:00	0	4133	4133	18:24:00	4133	0
31.10.23	86.589	4210	18:17:36	0	4210	4210	18:17:36	4210	0
TOTAL	2858.814	5583	15.26.00	0		5583	15.26.00		0

9. LOAD PATTERN OF DELHI ON THE DAY OF PEAK DEMAND MET DURING OCTOBER 2023 ON 09.10.2023 - 5583MW AT 15.26.00HRS.

All figures in MW

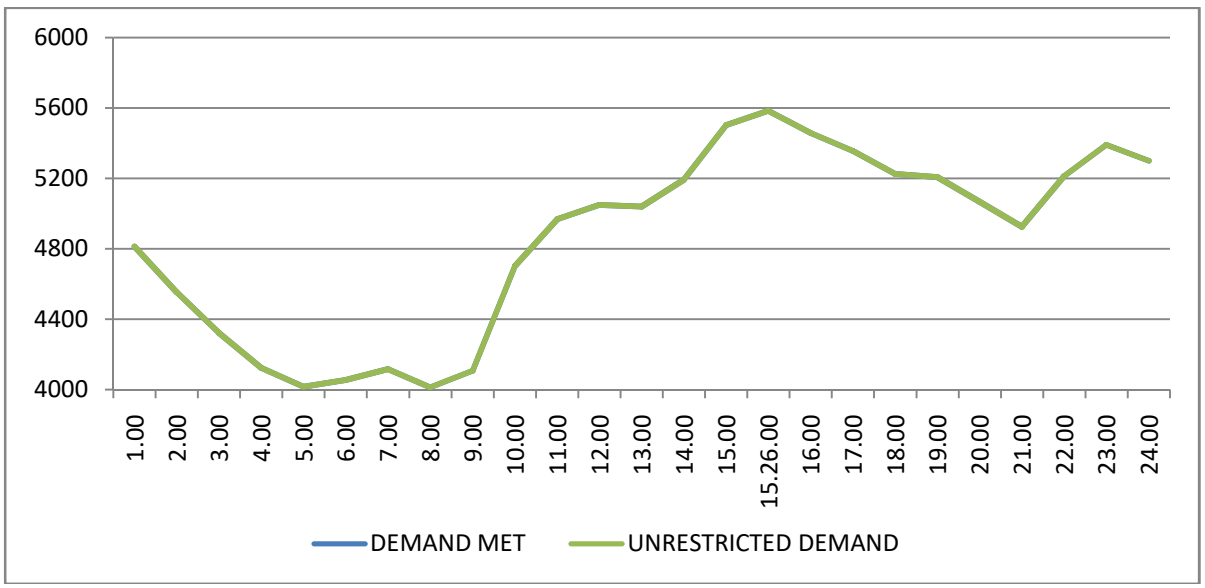
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	4813	0	4813
2.00	4552	0	4552
3.00	4322	0	4322
4.00	4124	0	4124
5.00	4017	0	4017
6.00	4055	0	4055
7.00	4116	0	4116
8.00	4012	0	4012
9.00	4108	0	4108
10.00	4702	0	4702
11.00	4967	0	4967
12.00	5048	0	5048
13.00	5040	0	5040
14.00	5192	0	5192
15.00	5501	0	5501
15.26.00	5583	0	5583
16.00	5457	0	5457
17.00	5356	0	5356
18.00	5225	0	5225
19.00	5206	0	5206
20.00	5067	0	5067
21.00	4926	0	4926
22.00	5213	0	5213
23.00	5390	0	5390
24.00	5300	0	5300
Total (IN MUS)	**116.614**	**0.0008**	**116.615**



10 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UN-RESTRICTED DEMAND DURING OCTOBER 2023 ON 09.10.2023-5583MW AT 15.26.00HRS.

All figures in MW

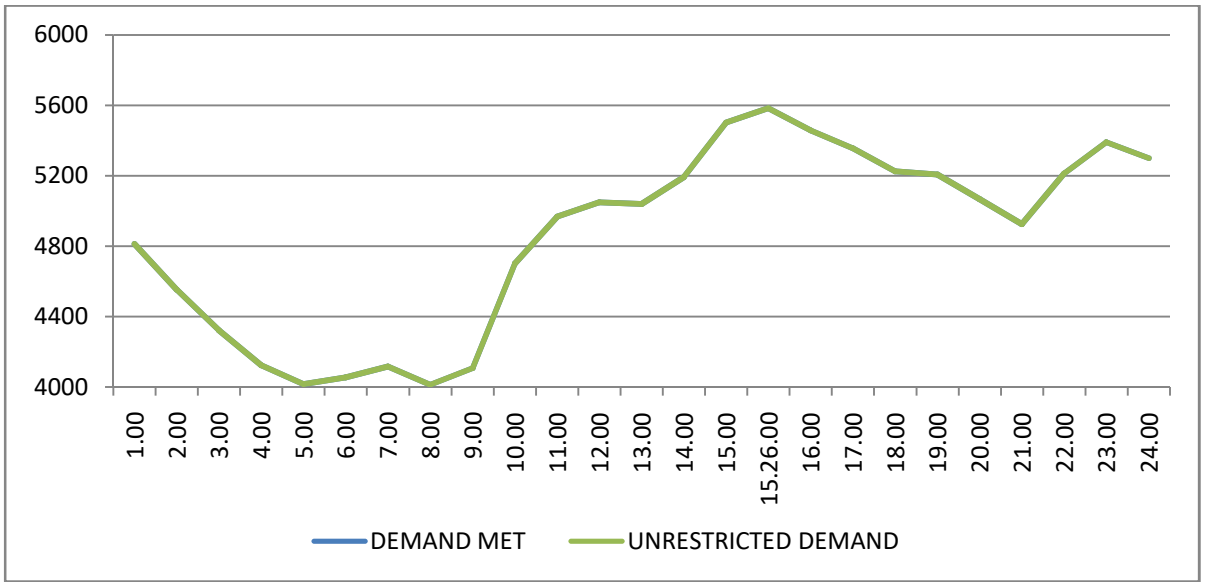
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	4813	0	4813
2.00	4552	0	4552
3.00	4322	0	4322
4.00	4124	0	4124
5.00	4017	0	4017
6.00	4055	0	4055
7.00	4116	0	4116
8.00	4012	0	4012
9.00	4108	0	4108
10.00	4702	0	4702
11.00	4967	0	4967
12.00	5048	0	5048
13.00	5040	0	5040
14.00	5192	0	5192
15.00	5501	0	5501
15.26.00	5583	0	5583
16.00	5457	0	5457
17.00	5356	0	5356
18.00	5225	0	5225
19.00	5206	0	5206
20.00	5067	0	5067
21.00	4926	0	4926
22.00	5213	0	5213
23.00	5390	0	5390
24.00	5300	0	5300
Total (IN MUS)	**116.614**	**0.0008**	**116.615**



11 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM ENERGY CONSUMED DURING OCTOBER 2023 – 09.10.2023 – 116.614Mus

All figures in MW

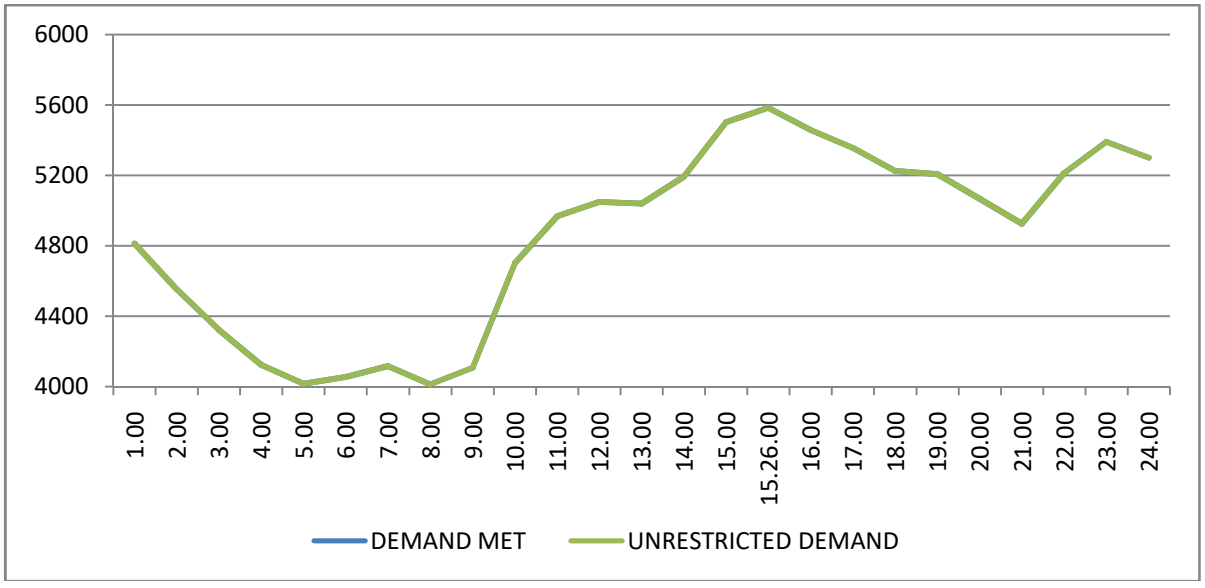
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	4813	0	4813
2.00	4552	0	4552
3.00	4322	0	4322
4.00	4124	0	4124
5.00	4017	0	4017
6.00	4055	0	4055
7.00	4116	0	4116
8.00	4012	0	4012
9.00	4108	0	4108
10.00	4702	0	4702
11.00	4967	0	4967
12.00	5048	0	5048
13.00	5040	0	5040
14.00	5192	0	5192
15.00	5501	0	5501
15.26.00	5583	0	5583
16.00	5457	0	5457
17.00	5356	0	5356
18.00	5225	0	5225
19.00	5206	0	5206
20.00	5067	0	5067
21.00	4926	0	4926
22.00	5213	0	5213
23.00	5390	0	5390
24.00	5300	0	5300
Total (IN MUS)	**116.614**	**0.0008**	**116.615**



12 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UNRESTRICTED ENERGY DEMAND DURING OCTOBER - ON 09.10.2023- 116.615MUs

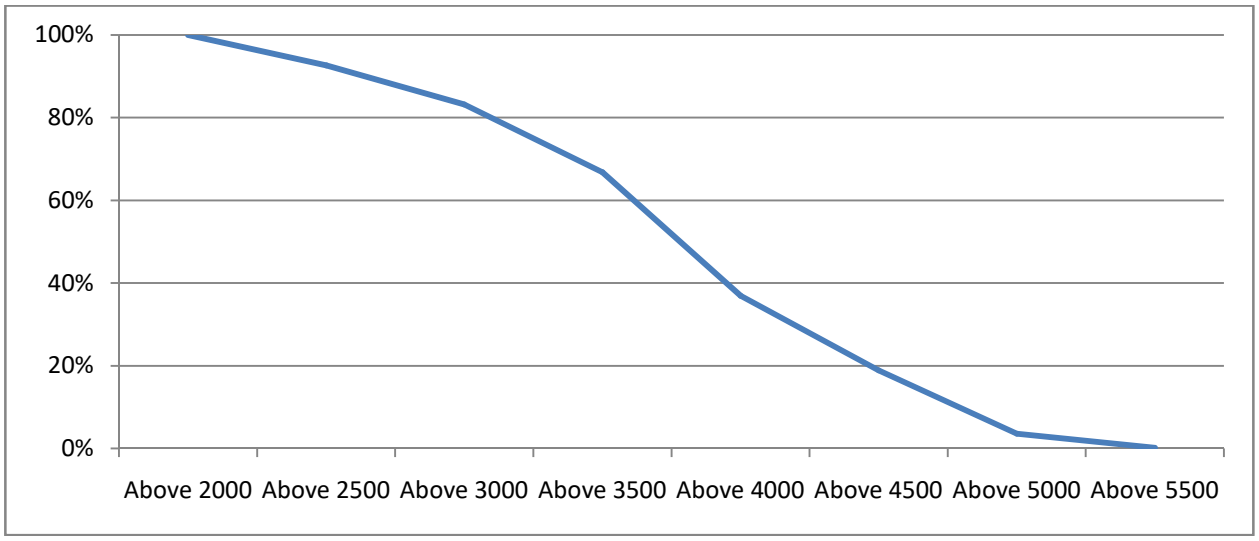
All figures in MW

Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	4813	0	4813
2.00	4552	0	4552
3.00	4322	0	4322
4.00	4124	0	4124
5.00	4017	0	4017
6.00	4055	0	4055
7.00	4116	0	4116
8.00	4012	0	4012
9.00	4108	0	4108
10.00	4702	0	4702
11.00	4967	0	4967
12.00	5048	0	5048
13.00	5040	0	5040
14.00	5192	0	5192
15.00	5501	0	5501
15.26.00	5583	0	5583
16.00	5457	0	5457
17.00	5356	0	5356
18.00	5225	0	5225
19.00	5206	0	5206
20.00	5067	0	5067
21.00	4926	0	4926
22.00	5213	0	5213
23.00	5390	0	5390
24.00	5300	0	5300
Total (IN MUS)	**116.614**	**0.0008**	**116.615**



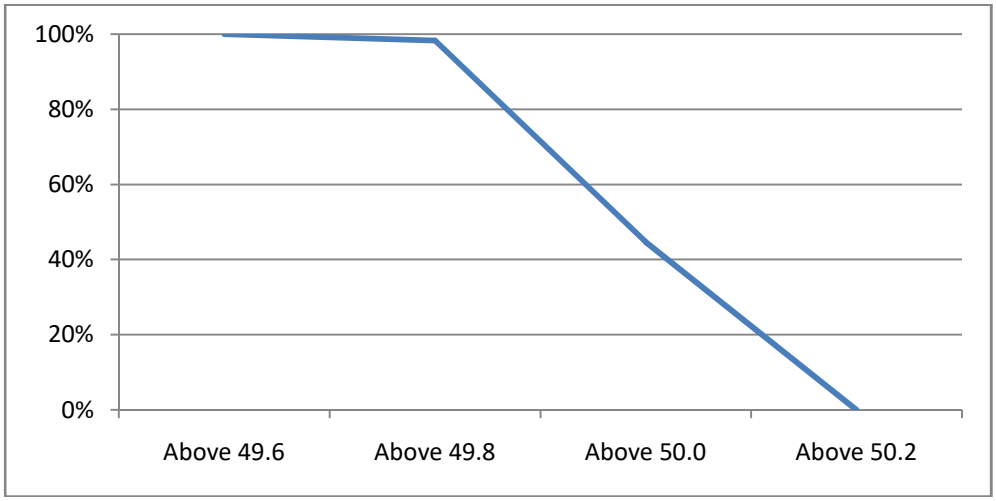
13 LOAD DURATION CURVE FOR OCTOBER 2023

LOAD REMAINED ABOVE IN MW	(%) OF TIME
Above 2000	100%
Above 2500	92.61%
Above 3000	83.17%
Above 3500	66.77%
Above 4000	36.90%
Above 4500	18.88%
Above 5000	3.56%
Above 5500	0.17%



14 FREQUENCY ANALYSIS FOR THE MONTH OF OCTOBER 2023

FREQUENCY REMAINED ABOVE IN HZ	(%) OF TIME
Above 49.6	100%
Above 49.8	98.24%
Above 50.0	44.60%
Above 50.2	0.00%



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

All figures in kV

Date	NARELA		GAZIPUR	
	Max	Min	Max	Min
01.10.23	227.53	215.45	234.61	222.80
02.10.23	228.29	217.34	235.10	224.37
03.10.23	229.12	212.91	235.98	221.06
04.10.23	228.91	214.46	234.22	219.90
05.10.23	229.34	215.59	235.98	220.07
06.10.23	228.75	215.73	236.05	220.03
07.10.23	228.11	215.02	234.87	219.38
08.10.23	226.80	216.16	234.89	223.43
09.10.23	225.99	213.27	234.55	220.56
10.10.23	224.64	214.29	233.67	219.49
11.10.23	224.48	214.03	233.17	219.89
12.10.23	226.87	215.78	233.86	220.80
13.10.23	226.28	215.92	233.70	222.28
14.10.23	225.67	215.87	234.29	220.51
15.10.23	225.37	219.62	233.77	227.97
16.10.23	230.12	219.48	239.69	226.63
17.10.23	230.51	218.99	240.23	228.39
18.10.23	229.86	218.48	239.76	226.97
19.10.23	229.37	218.47	238.98	227.94
20.10.23	231.00	217.29	240.73	226.34
21.10.23	230.91	217.80	240.91	228.14
22.10.23	230.57	220.54	240.22	228.49
23.10.23	231.26	219.11	240.51	226.45
24.10.23	231.13	221.36	238.43	226.13
25.10.23	232.58	218.21	236.82	219.82
26.10.23	230.73	217.59	237.87	220.75
27.10.23	230.00	217.54	235.37	220.07
28.10.23	231.07	217.13	233.10	218.66
29.10.23	231.68	221.10	222.19	222.19
30.10.23	231.33	218.56	222.19	222.19
31.10.23	231.63	218.16	237.82	222.19

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

All figures in kV

Date	400kV Bamnauli Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01.10.23	416.48	4:02:44	401.35	11:18:31	407.35
02.10.23	419.37	17:02:14	403.01	12:43:31	410.48
03.10.23	419.81	3:56:39	397.28	11:38:45	408.57
04.10.23	419.86	3:58:49	396.81	10:48:02	409.60
05.10.23	421.40	4:00:11	396.49	12:43:11	409.38
06.10.23	420.89	3:59:31	396.45	11:51:25	410.02
07.10.23	419.04	4:00:11	394.56	11:52:01	408.56
08.10.23	416.61	17:01:28	398.28	12:24:23	408.51
09.10.23	416.19	3:50:33	392.66	11:14:37	406.70
10.10.23	414.35	4:00:31	393.37	12:24:59	405.11
11.10.23	413.24	22:00:57	392.91	11:15:10	405.68
12.10.23	416.89	4:01:11	396.38	11:53:37	407.56
13.10.23	415.66	4:01:00	397.31	9:20:56	407.34
14.10.23	414.11	3:58:25	393.78	10:37:06	406.01
15.10.23	416.18	18:01:02	403.34	11:46:36	408.57
16.10.23	421.07	23:56:50	401.87	10:31:33	410.38
17.10.23	420.95	4:01:53	398.43	11:41:40	411.86
18.10.23	421.33	2:47:49	397.97	10:18:40	411.62
19.10.23	419.39	2:14:55	400.33	9:32:51	411.25
20.10.23	421.50	4:01:41	395.66	9:34:20	411.77
21.10.23	422.11	4:01:13	397.33	9:18:00	411.33
22.10.23	420.67	20:06:18	403.10	9:08:01	414.22
23.10.23	420.93	3:31:02	401.69	9:17:53	412.39
24.10.23	422.18	4:00:08	406.22	10:18:10	415.74
25.10.23	424.70	4:01:03	399.07	9:34:12	412.66
26.10.23	421.29	3:58:54	399.67	10:06:35	411.45
27.10.23	420.62	4:01:13	401.10	11:18:06	411.58
28.10.23	422.75	4:01:11	398.33	9:21:29	412.09
29.10.23	422.93	4:00:00	404.33	9:15:41	414.75
30.10.23	421.04	4:00:35	401.23	10:12:45	411.21
31.10.23	422.29	4:01:52	400.13	12:20:05	410.86

All figures in kV

Date	400kV Bawana Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01.10.23	415.5	2:58:01	397.68	11:19:24	406.36
02.10.23	415.75	17:02:11	396.3	12:38:18	406.77
03.10.23	417.68	3:47:54	391.38	10:13:42	406.48
04.10.23	417.85	3:58:46	392.97	10:48:06	407.36
05.10.23	419.6	4:00:07	394.05	12:43:04	407.79
06.10.23	419.05	3:59:01	390.99	11:51:37	406.59
07.10.23	416.31	4:00:15	389.3	11:43:11	405.7
08.10.23	413.74	4:00:20	394.07	12:18:16	406.23
09.10.23	413.38	3:54:11	388.22	10:50:41	405.27
10.10.23	413.46	4:00:40	391.25	12:42:25	403.98
11.10.23	413.14	22:00:54	0	11:04:23	404.39
12.10.23	415.92	4:01:12	393.7	11:48:35	406.7
13.10.23	414.66	4:00:10	395.49	10:54:01	406.98
14.10.23	414.24	3:57:21	394.91	10:51:31	406.69
15.10.23	414.65	18:01:05	404.39	11:54:17	409.02
16.10.23	420.85	23:57:01	404.42	14:50:39	411.11
17.10.23	420.53	4:02:14	401.26	11:41:40	412.15
18.10.23	419.23	2:47:55	398.67	10:18:18	410.93
19.10.23	418.64	4:00:31	400.88	9:32:42	411.06
20.10.23	420.6	3:59:54	397.64	9:34:09	410.58
21.10.23	421.46	4:00:59	399.42	9:18:40	411.53
22.10.23	420.72	4:01:45	405.1	9:09:15	414.36
23.10.23	420.91	3:00:45	402.2	9:31:11	412.2
24.10.23	421.45	3:59:52	404.3	11:16:10	414.55
25.10.23	423.44	4:01:07	398.24	9:53:50	411.81
26.10.23	420.29	3:58:51	397.93	10:06:24	410.42
27.10.23	419.9	4:01:16	398.36	10:57:14	410.54
28.10.23	421.49	4:01:12	397.87	9:53:55	411.61
29.10.23	422.21	4:00:25	404.01	9:15:46	414.37
30.10.23	421.63	4:00:29	399.77	10:10:52	411.35
31.10.23	422.65	4:00:35	398.86	12:20:02	410.82

17 DETAILS OF BREAK-DOWNS/TRIPPING DURING THE MONTH OF OCTOBER 2023

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
1	01.10.23	13:10	220kV DIAL- MEHRAULI CKT-I	01.10.23	16:48	AT MEHRAULI : DIST PROT, ZONE-I, DIST 4.327KM.
2	06.10.23	2:54	SARITA VIHAR 220/66kV 100MVA Tx-III	06.10.23	11:30	CB TC.
3	07.10.23	5:50	SUBZI MANDI 33/11kV, 16MVA Tx-I	07.10.23	13:16	DIFFERENTIAL, 86.
4	07.10.23	10:30	KASHMIRI GATE 33/11kV, 16MVA Tx	07.10.23	10:51	TRIPPED WITHOUT INDICATION.
5	08.10.23	3:26	OKHLA 66/11kV, 20MVA Tx-I	08.10.23	17:35	O/C
6	08.10.23	11:25	220kV WAZIRABAD - KASHMEREGATE CKT-II	08.10.23	13:59	AT KASHMIRI GATE : R PHASE, DIFFERENTIAL, DIST PROT, ZONE-I, 4.1KM.
7	13.10.23	7:17	GOPALPUR 220/33kV 100MVA Tx-III	13.10.23	19:43	86, DIFFERENTIAL, ABC PHASE.
8	13.10.23	11:40	220kV BAWANA-DSIIDC BAWANA CKT-II	13.10.23	14:05	AT DSIDC BAWANA : DIST PROT, ZONE-II, 86RYB. AT BAWANA : DIST PROT, ZONE-I, RYB PHASE.
9	14.10.23	15:55	220KV GAZIPUR - MAHARANIBAGH CKT. -I	14.10.23	18:40	AT GAZIPUR : RYB PHASE, DIST PROT, ZONE-I, 86 AT MAHARANI BAGH : DIST PROT, ZONE-II, B PHSE, DIST 9.6KM.
10	14.10.23	22:01	SUBZI MANDI 220/33kV 100MVA Tx-II	15.10.23	12:25	DIFFERENTIAL, ABC PHSE, LV REF, 186
11	15.10.23	8:51	PARKSTREET 220/33kV 100MVA Tx-II	15.10.23	9:43	O/C, E/F
12	16.10.23	0:34	220kV BAMNAULI-PAPPANKALAN-III CKT-II	16.10.23	17:12	AT BAMNAULI : 186A&B, POLE DISCRIPANCY.
13	16.10.23	13:18	GOPALPUR 220/66kV 160MVA Tx	16.10.23	14:04	O/C, E/F
14	16.10.23	13:58	220KVBAWANA- ROHINI CKT-I	16.10.23	15:49	AT BAWANA : 86, ABC.
15	16.10.23	15:06	220kV MUNDKA-NAJAFGARH CKT	19.10.23	15.46	AT MUNDKA : 86, RYB, DIST PROT, ZONE-II, DIST 5.6KM.
16	16.10.23	23:57	HARSH VIHAR 400/220kV 315MVA ICT-III	16.10.23	11:46	BUCHOLZ, 86.
17	17.10.23	4:40	NAJAFGARH 66/11kV, 20MVA Tx-I	17.10.23	6:30	TRIPPED WITHOUT INDICATION.
18	17.10.23	4:40	NAJAFGARH 66/11kV, 20MVA Tx-II	17.10.23	6:30	O/C, B PHASE, E/F
19	17.10.23	11:08	220kV BAMNAULI-PAPPANKALAN-III CKT-II	17.10.23	18:36	AT BAMNAULI : POLE DISCRIPANCY.
20	18.10.23	16:52	RAJGHAT 220/33kV 100MVA Tx-I	18.10.23	18:30	186
21	21.10.23	8:39	220kV GOPALPUR- MANDOLACKT-I	21.10.23	10:24	AT GOPALPUR : DIFFERENTIAL, B PHASE, 86.
22	23.10.23	10:05	220kV BAWANA-DSIIDC BAWANA CKT-I	23.10.23	10:54	AT BAWANA : BUS BAR OPERATION.
23	23.10.23	10:05	BAWANA 400/220kV 315MVA ICT-V	23.10.23	10:54	BUS BAR OPERATION.
24	26.10.23	13:50	MEHRAULI 220/66kV 100MVA Tx-II	26.10.23	14:48	O/C, R&Y PHASE.
25	26.10.23	13:50	MEHRAULI 220/66kV 160MVA Tx-I	26.10.23	14:57	O/C, R&Y PHASE. E/F
26	27.10.23	12:01	220kV BAWANA - KANJHAWALA CKT-2	27.10.23	13:50	AT BAWANA : DIST PROT, ZONE-II, 86, Y PHASE, DIST 10.3KM,
27	27.10.23	12:01	220kV KANJHAWALA-NAJAFGARH CKT	27.10.23	18:53	AT KHANJAWALA : LA DAMAGED.
28	29.10.23	7:40	GOPALPUR 220/33kV 100MVA Tx-III	31.10.23	17:56	RYB PHASE.
29	29.10.23	10:58	220kV NARELA - MANDOLA CKT-I	29.10.23	13:20	AT NARELA : CB AUTO RECLSOE.
30	29.10.23	23:15	SUBZI MANDI 33/11kV, 16MVA Tx-II	29.10.23	23:55	DIFF, 86.
31	29.10.23	23:15	SUBZI MANDI 33/11kV, 16MVA Tx-I	29.10.23	23:44	DIFFERENTIAL, 86.
32	30.10.23	11:32	PATPARGANJ 33kV SHAKAR PUR CKT	30.10.23	20:50	GEN MTC.

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

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