DELHI TRANSCO LTD.

STATE LOAD DISPATCH CENTER

PROGRESS REPORT

****

MARCH 2023

1 SALIENT FEATURES OF DELHI POWER SYSTEM

Sr. No.	Features	MAR. 2022	MAR. 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)**	**4648**	**3979**
	Date	31.03.2022	03.03.2023
	Time	15.15.38	10.29.29
3	**Peak Demand met (MW)**	**4648**	**3979**
	Date	31.03.2022	03.03.2023
	Time	15.15.38	10.29.29
4	Peak Availability (MW)	4635	3842
5	Shortage (-) / Surplus (+) in MW	(-) 13	(-) 137
6	Percentage Shortage (-) / Surplus (+)	(-) 0.28	(-) 0.03
7	Maximum Energy Consume in a day (Mus)	95.376	76.718
8	Energy Consumed during the month	**2272.596**	**2131.089**
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	0.194	0.051
	TPDDL	0.034	0.139
	BRPL	0.017	0.008
	BYPL	0.000	0.000
	NDMC	0.000	0.000
	MES	0.000	0.000
	Other Agencies	0.028	0.0006
	Total	**0.273**	**0.198**
10	**Grand Total in Mus**	**0.273**	**0.198**

2. PERFORMANCE OF GENERATING STATIONS WITHIN DELHI DURING MARCH 2023

A) For the month of Mar 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	0.00	0.00
2.	**GT**	19.478	1.766	17.712	22.21	24.986
3.	**PPCL**	0.000	0.074	-0.074	100.75	239.934
4.	**Bawana**	83.622	5.633	77.989	69.60	611.33
5.	**Towmcl**	13.967	1.756	12.211	--	--
6.	**EDWPCL**	1.861	0.619	1.242	--	--
7.	**DMSWL**	14.758	2.202	12.556	--	--
8.	**TWEPL**	18.538	1.691	16.847	--	--
	TOTAL	**152.224**	**13.865**	**138.359**	--	876.25

B) For the Year 2022-23 (Upto Mar 2023)

Power Station	Effective Capacity (MW)	Net Generation in MUs for Mar 2023	Availability (%) for Mar 2023	PLF (%) For Mar 2023	Cumulative Generation in MUs upto Mar 2023 for the year 2022-23	Cumulative Availability in % upto Mar 2023 or the year 2022-23
RPH	135	-0.124	0.00	0.00	-1.46	0.00
GT	270	17.712	22.21	9.38	310.345	30.75
PPCL	330	-0.074	100.75	0.00	833.167	91.26
Bawana	1372	77.989	69.60	7.98	2504.19	90.18
Towmcl	16	12.211	--	--	145.595	--
EDWPCL	10	1.242	--	--	18.724	--
DMSWL	24	12.556	--	--	134.036	--
TWEPL	25	16.847	--	--	54.607	--
TOTAL	2182	**138.359**	--	--	**3999.61**	--

3 DETAILS OF OUTAGES OF GENERATING STNS. WITHIN DELHI FOR MARCH 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	01.03.23	00.00	31.03.23	23.59	Unit stopped due to low demand
2	30	01.03.23	00.00	31.03.23	23.59	Unit out due to generator rotar problem.
3	30	NIL				
4	30	NIL				
5	30	11.03.23	14.00	31.03.23	23.59	Unit stopped due to low demand
6	30	01.03.23	00.00	11.03.23	11.40	Unit stopped due to low demand
		19.03.23	07.10	29.03.23	09.15	Unit out due to card mall function.
STG-1	30	01.03.23	00.00	31.03.23	23.59	Unit stopped due to low demand
STG-2	30	NIL				
STG-3	30	11.03.23	12.20	11.03.23	14.00	Unit tripped due to malfunctioning of C&I system.
		19.03.23	06.30	29.03.23	13.15	Unit manually triped as bearing temperature increased due to leakage in CW line.

(C) PRAGATI

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	104	01.03.23	00.00	31.03.23	23.59	Unit stopped due to low demand
2	104	01.03.23	00.00	31.03.23	23.59	Unit stopped due to low demand
STG	122	01.03.23	00.00	31.03.23	23.59	Unit 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	01.03.23	00.00	31.03.23	23.59	Plannedoutage overlhaulg of STG.
2	216	08.03.23	16.57	27.03.23	12.00	Tripped due to internal fault
3	216	NIL				
4	216	08.03.23	16.57	08.03.23	19.15	Tripped due to internal fault
		20.03.23	14.30	26.03.23	23.59	Bucholz relay alarm of transformer GT-4
STG -1	254	NIL				
STG -2	254	NIL				

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 MARCH 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	10.02.00	38	0	284	19	3	4	25	373	3403	3344	59	3776	0	3776
2	09.50.39	39	0	313	18	3	8	26	407	3399	3205	194	3806	0	3806
3	10.29.29	39	0	293	19	2	19	24	396	3583	3446	137	3979	0	3979
4	10.44.39	50	0	272	19	1	20	26	388	3229	3000	229	3617	0	3617
5	10.45.07	39	0	272	19	2	20	27	379	3130	3181	-51	3509	0	3509
6	10.27.29	39	0	321	19	2	20	27	428	3225	3260	-35	3653	0	3653
7	10.09.25	39	0	270	19	2	17	28	375	3281	3318	-37	3656	0	3656
8	19.04.56	39	0	-5	19	0	18	27	98	3408	2416	992	3506	0	3506
9	11.04.08	39	0	-3	19	0	20	-1	74	3192	3195	-3	3266	0	3266
10	11.01.36	39	0	-3	19	2	19	0	76	3548	3568	-20	3624	0	3624
11	10.51.35	39	0	-3	18	2	19	0	75	3344	3397	-53	3419	0	3419
12	10.53.46	38	0	-3	19	2	19	1	76	3348	3322	26	3424	0	3424
13	11.31.26	36	0	-2	19	2	18	27	100	3642	3514	128	3742	0	3742
14	10.58.40	37	0	-3	13	2	18	27	94	3681	3636	45	3775	0	3775
15	10.59.36	37	0	-4	19	2	18	24	96	3660	3769	-109	3756	0	3756
16	11.23.56	37	0	-3	19	2	19	27	101	3815	3833	-18	3916	0	3916
17	10.54.03	38	0	-3	19	0	8	27	89	3837	3820	17	3926	0	3926
18	10.28.39	39	0	-4	19	0	9	26	89	3498	3446	52	3587	0	3587
19	10.41.10	0	0	-1	17	0	19	28	63	3405	3331	74	3468	0	3468
20	09.52.25	0	0	-2	19	4	12	26	59	3657	3659	-2	3716	0	3716
21	10.35.20	0	0	-1	19	3	20	28	69	3613	3606	7	3682	0	3682
22	09.47.16	0	0	-1	13	3	20	26	61	3854	3811	43	3915	0	3915
23	09.51.14	0	0	-1	12	3	19	27	60	3633	3687	-54	3693	0	3693
24	09.51.24	0	0	-2	11	0	20	28	57	3792	3743	49	3849	0	3849
25	10.31.10	0	0	0	11	3	20	27	61	3471	3435	36	3532	0	3532
26	10.11.15	0	0	-1	13	3	18	28	61	3354	3393	-39	3415	0	3415
27	09.35.26	0	0	-1	14	0	18	27	58	3691	3528	163	3749	0	3749
28	10.16.50	0	0	270	0	3	15	26	314	3394	3394	0	3708	0	3708
29	10.31.50	28	0	270	0	0	18	28	344	3394	3438	-44	3738	0	3738
30	10.46.12	34	0	273	0	3	19	28	357	3177	2929	248	3534	0	3534
31	10.20.05	37	0	271	7	0	17	19	351	3432	3309	123	3783	0	3783

6 **POWER AVAILABILITY- DEMAND POSITION AT THE TIME OF MAXIMUM UNRESTRICTED DEMAND DURING MARCH 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	10.02.00	38	0	284	19	3	4	25	373	3403	3344	59	3776	0	3776
2	09.50.39	39	0	313	18	3	8	26	407	3399	3205	194	3806	0	3806
3	10.29.29	39	0	293	19	2	19	24	396	3583	3446	137	3979	0	3979
4	10.44.39	50	0	272	19	1	20	26	388	3229	3000	229	3617	0	3617
5	10.45.07	39	0	272	19	2	20	27	379	3130	3181	-51	3509	0	3509
6	10.27.29	39	0	321	19	2	20	27	428	3225	3260	-35	3653	0	3653
7	10.09.25	39	0	270	19	2	17	28	375	3281	3318	-37	3656	0	3656
8	19.04.56	39	0	-5	19	0	18	27	98	3408	2416	992	3506	0	3506
9	11.04.08	39	0	-3	19	0	20	-1	74	3192	3195	-3	3266	0	3266
10	11.01.36	39	0	-3	19	2	19	0	76	3548	3568	-20	3624	0	3624
11	10.51.35	39	0	-3	18	2	19	0	75	3344	3397	-53	3419	0	3419
12	10.53.46	38	0	-3	19	2	19	1	76	3348	3322	26	3424	0	3424
13	11.31.26	36	0	-2	19	2	18	27	100	3642	3514	128	3742	0	3742
14	10.58.40	37	0	-3	13	2	18	27	94	3681	3636	45	3775	0	3775
15	10.59.36	37	0	-4	19	2	18	24	96	3660	3769	-109	3756	0	3756
16	11.23.56	37	0	-3	19	2	19	27	101	3815	3833	-18	3916	0	3916
17	10.54.03	38	0	-3	19	0	8	27	89	3837	3820	17	3926	0	3926
18	10.28.39	39	0	-4	19	0	9	26	89	3498	3446	52	3587	0	3587
19	10.41.10	0	0	-1	17	0	19	28	63	3405	3331	74	3468	0	3468
20	09.52.25	0	0	-2	19	4	12	26	59	3657	3659	-2	3716	0	3716
21	10.35.20	0	0	-1	19	3	20	28	69	3613	3606	7	3682	0	3682
22	09.47.16	0	0	-1	13	3	20	26	61	3854	3811	43	3915	0	3915
23	09.51.14	0	0	-1	12	3	19	27	60	3633	3687	-54	3693	0	3693
24	09.51.24	0	0	-2	11	0	20	28	57	3792	3743	49	3849	0	3849
25	10.31.10	0	0	0	11	3	20	27	61	3471	3435	36	3532	0	3532
26	10.11.15	0	0	-1	13	3	18	28	61	3354	3393	-39	3415	0	3415
27	09.35.26	0	0	-1	14	0	18	27	58	3691	3528	163	3749	0	3749
28	10.16.50	0	0	270	0	3	15	26	314	3394	3394	0	3708	0	3708
29	10.31.50	28	0	270	0	0	18	28	344	3394	3438	-44	3738	0	3738
30	10.46.12	34	0	273	0	3	19	28	357	3177	2929	248	3534	0	3534
31	10.20.05	37	0	271	7	0	17	19	351	3432	3309	123	3783	0	3783

7 **SOURCEWISE SCHEDULED DRAWL FROM NORTHERN GRID AS WELL AS**

AVAILABILITY WITHIN DELHI FOR MARCH 2023

(ALL FIGURES IN MUS)

GENERATION WITHIN DELHI	AVAILABILITY	SCHEDULE
Rajghat Power House	0.000	0.000
Gas Turbine	43.272	18.286
Pragati-I	239.934	0.000
Pragati-III (Bawana)	690.490	79.357
Rithala	0.000	0.000
Badarpur	0.000	0.000
Renewable (include WTE)	36.280	36.280
TOTAL DELHI GEN.	**1009.976**	**133.922**

NAME OF STATION	AVAILABILITY	SCHEDULE
SINGRAULI STPS	68.342	65.216
RIHAND STPS	68.433	63.931
DADRI TPS	330.893	0.000
UNCHAHAR-I TPS	16.016	9.432
UNCHAHAR-II TPS	32.015	28.501
ANTA GPP-GF	32.936	0.000
ANTA GPP-LF	0.000	0.058
ANTA GPP-RF	0.000	0.051
ANTA CRF	0.000	0.100
AURAIYA GPP-GF	38.535	0.000
AURAIYA GPP-LF	0.000	0.000
AURAIYA GPP-RF	0.000	0.044
AURIYA CRF	0.000	0.049
DADRI GPP-GF	64.783	0.000
DADRI GPP-LF	0.000	0.073
DADRI GPP-RF	0.000	0.059
DADRI CRF	0.000	0.078
BAIRASIUL HEP	6.462	6.462
SALAL HEP	14.036	14.036
TANAKPUR HEP	0.781	0.781
CHAMERA HEP	4.539	4.539
URI HEP	33.427	33.427
NATHPA JHAKRI HEP	21.733	21.733
CHAMERA HEP-II	7.228	7.228
RIHAND-II STPS	94.258	88.637
DHAULIGANGA HEP	3.444	3.444
TEHRI HEP	15.502	15.502
UNCHAHAR-III TPS	20.965	18.067
DULHASTI HEP	5.240	5.240

NAME OF STATION	AVAILABILITY	SCHEDULE
DADRI II	461.548	395.124
SEWA-II	9.926	9.926
jhajjar	435.812	331.525
NAPP	31.782	31.782
RAPP C	20.297	20.297
RAPPB_4 C	0.000	0.000
KOTESWAR	8.552	8.552
SASAN	257.313	257.306
CHAMERA III	4.480	4.480
RIHAND3	79.415	74.006
KAHALGAON1	27.084	24.254
KAHALGAON2	109.077	97.697
TALA	0.000	0.000
FARAKA	10.895	10.895
URI 2 HEP	22.878	22.878
Parvati3	1.390	1.390
Koldam	0.196	0.196
SINGRAULI SHEP	0.570	0.570
UNCHAHAR - IV TPS	1.069	0.236
TALCHER (BTPS)	13.172	0.000
Nabinagar STPS(BRBCL)	0.089	9.095
Meja TPS	1.984	1.984
Tanda-II TPS	0.740	0.740
Rampur	0.172	0.172
Kishan Ganag	0.495	0.495
Surya kanta Hydro	0.000	0.000
Nanti Hydro	0.000	0.000
Teranda hydro	0.000	0.000
Ramagundum STPS I&II	5.715	5.715
Ramagundum STPS III	1.442	1.442
TALCHER STPS-II	1.816	1.816
SIMHADRI STPS -II	1.361	1.361
KUDGI STPS -I	5.393	5.393
NLC TPS(II)-1	0.798	0.798
NLC TPS(II)-2	1.261	1.261
NLC TPS(E)-1	1.233	1.233
NLC TPS(E)-2	0.408	0.408
NLC-NNTPS	0.153	0.153
NTECL-Vallur STPS	2.191	2.191
NTPL- TutIcorin	2.618	2.618
NPCIL-MAPS	0.187	0.187

NAME OF STATION	AVAILABILITY	SCHEDULE
NPCIL-KAIGA GS-1&2	1.497	1.497
NPCIL-KAIGA GS-3&4	1.569	1.569
NPCIL-KKNPP-1	1.219	1.219
KSTPS I&II	2.057	2.057
KSTPS7	0.929	0.929
VSTPS I	1.675	1.675
VSTPS II	1.446	1.446
VSTPS III	0.931	0.931
VSTPS IV	1.996	1.996
VSTPS-V	0.988	0.988
KAWAS KGPP	0.001	0.001
GANDHAR GGPP	0.000	0.000
SIPAT I	3.780	3.780
SIPAT II	1.039	1.039
MSTPS-I (MOUDA)	1.442	1.442
MSTPS-II (MOUDA_II)	2.428	2.428
SSTPP(SOLAPUR)	2.635	2.635
GSTPP(GADARWARA-I)	1.914	1.914
LSTPP9LARA-I)	3.156	3.156
KHTPP(KHARGONE-I)	1.885	1.885
KAPP	0.595	0.595
TAPP 3&4 (TAPS-II)	1.566	1.566
TOTAL ISGS	**2437.830**	**1749.614**
LTA	**696.767**	**696.767**
TOTAL ISGS	**3134.596**	**2446.381**
TOTAL AVAILABILITY	**4081.856**	**2517.587**
BILATERAL PURCHASE	**220.774**	**220.774**

8. SHEDDING DETAILS DURING THE MONTH OF MARCH 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
01.03.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
02.03.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
03.03.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
04.03.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
05.03.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
06.03.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
07.03.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
08.03.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
09.03.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10.03.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11.03.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12.03.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
13.03.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14.03.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15.03.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
16.03.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17.03.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
18.03.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
19.03.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20.03.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
21.03.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22.03.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
23.03.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
24.03.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25.03.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
26.03.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27.03.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
28.03.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
29.03.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30.03.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
31.03.23	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
01.03.23	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
02.03.23	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
03.03.23	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
04.03.23	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
05.03.23	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
06.03.23	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
07.03.23	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
08.03.23	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
09.03.23	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
10.03.23	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
11.03.23	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
12.03.23	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
13.03.23	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
14.03.23	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
15.03.23	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
16.03.23	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
17.03.23	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
18.03.23	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
19.03.23	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
20.03.23	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
21.03.23	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
22.03.23	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
23.03.23	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
24.03.23	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
25.03.23	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
26.03.23	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
27.03.23	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
28.03.23	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
29.03.23	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
30.03.23	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
31.03.23	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
01.03.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.000
02.03.23	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.025	0.000
03.03.23	0.000	0.009	0.000	0.000	0.000	0.000	0.000	0.000	0.000
04.03.23	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.026	0.000
05.03.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
06.03.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
07.03.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.000
08.03.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
09.03.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10.03.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11.03.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12.03.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
13.03.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14.03.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.013	0.000
15.03.23	0.000	0.002	0.010	0.000	0.000	0.000	0.000	0.001	0.000
16.03.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000
17.03.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
18.03.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
19.03.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20.03.23	0.000	0.001	0.005	0.000	0.000	0.000	0.000	0.002	0.000
21.03.23	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22.03.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
23.03.23	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	0.000
24.03.23	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.013	0.000
25.03.23	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	0.000
26.03.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27.03.23	0.000	0.000	0.006	0.000	0.000	0.000	0.000	0.000	0.000
28.03.23	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	0.000
29.03.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.050	0.000
30.03.23	0.000	0.005	0.000	0.000	0.000	0.000	0.002	0.000	0.000

31.03.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TOTAL	**0.000**	**0.018**	**0.033**	**0.000**	**0.000**	**0.000**	**0.008**	**0.139**	**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**
01.03.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0028	0.0028
02.03.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0348	0.0348
03.03.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0085	0.0085
04.03.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0271	0.0271
05.03.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0000	0.0000
06.03.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0000	0.0000
07.03.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0044	0.0044
08.03.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0002	0.0002
09.03.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0001	0.0001
10.03.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0005	0.0005
11.03.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0000	0.0000
12.03.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0000	0.0000
13.03.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0000	0.0000
14.03.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0133	0.0133
15.03.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0133	0.0133
16.03.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0014	0.0014
17.03.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0000	0.0000
18.03.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0002	0.0002
19.03.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0000	0.0000
20.03.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0079	0.0079
21.03.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0007	0.0007
22.03.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0005	0.0005
23.03.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0009	0.0009
24.03.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0163	0.0163
25.03.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0006	0.0006
26.03.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0000	0.0000
27.03.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0064	0.0064
28.03.23	0.000	0.000	0.0006	0.000	0.000	0.000	0.000	0.0013	0.0013
29.03.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0504	0.0504
30.03.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0073	0.0073
31.03.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0000	0.0000
TOTAL	**0.000**	**0.000**	**0.0006**	**0.000**	**0.000**	**0.000**	**0.000**	**0.1988**	**0.1988**

68.358

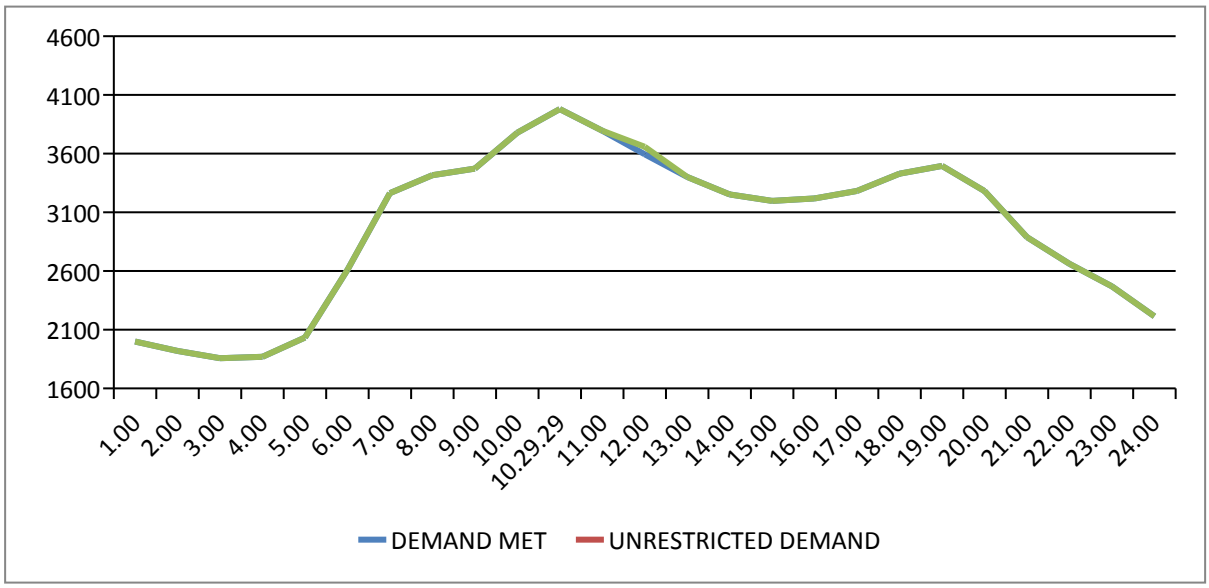
DATE	(NET CONS.)	MAXI. DEMAND MET DURING THE DAY	TIME OF OCCUR-RENCE OF MAX DEMAND	SHEDDING AT THIS TIME	UN-REST-RICTED DEMAND	MAXIMUM UN-REST-RICTED DEMAND DURING THE DAY	TIME OF MAX. UN-REST. DEMAND	DEMAND AT THAT TIME	SHEDDING AT THAT TIME
	In Mus.	IN MW	IN HRS.	IN MW	IN MW	IN MW	HRS.	IN MW	IN MW
1	32	33	34	35	36=33+35	37=39+40	38	39	40
01.03.23	68.358	3776	10:02:31	0	3776	3776	10:02:31	3776	0
02.03.23	69.945	3806	9:50:39	0	3806	3806	9:50:39	3806	0
03.03.23	70.461	3979	10:29:29	0	3979	3979	10:29:29	3979	0
04.03.23	67.829	3617	10:44:39	0	3617	3617	10:44:39	3617	0
05.03.23	64.845	3509	10:45:07	0	3509	3509	10:45:07	3509	0
06.03.23	68.123	3653	10:27:29	0	3653	3653	10:27:29	3653	0
07.03.23	66.347	3656	10:09:25	0	3656	3656	10:09:25	3656	0
08.03.23	51.114	2506	9:04:56	0	2506	2506	9:04:56	2506	0
09.03.23	60.893	3266	11:04:08	0	3266	3266	11:04:08	3266	0
10.03.23	68.067	3624	11:01:36	0	3624	3624	11:01:36	3624	0
11.03.23	67.555	3419	10:51:35	0	3419	3419	10:51:35	3419	0
12.03.23	65.472	3424	10:53:46	0	3424	3424	10:53:46	3424	0
13.03.23	70.457	3742	11:31:26	0	3742	3742	11:31:26	3742	0
14.03.23	74.283	3775	10:58:40	0	3775	3775	10:58:40	3775	0
15.03.23	75.037	3756	10:59:36	0	3756	3756	10:59:36	3756	0
16.03.23	76.708	3916	11:23:56	0	3916	3916	11:23:56	3916	0
17.03.23	76.718	3926	10:54:03	0	3926	3926	10:54:03	3926	0
18.03.23	68.15	3587	10:28:39	0	3587	3587	10:28:39	3587	0
19.03.23	64.971	3468	10:41:10	0	3468	3468	10:41:10	3468	0
20.03.23	67.757	3716	9:52:25	0	3716	3716	9:52:25	3716	0
21.03.23	66.577	3682	10:35:20	0	3682	3682	10:35:20	3682	0
22.03.23	69.119	3915	9:47:16	0	3915	3915	9:47:16	3915	0
23.03.23	70.173	3693	9:51:14	0	3693	3693	9:51:14	3693	0
24.03.23	71.53	3849	9:51:24	0	3849	3849	9:51:24	3849	0
25.03.23	67.622	3532	10:31:10	0	3532	3532	10:31:10	3532	0
26.03.23	64.285	3415	10:11:15	0	3415	3415	10:11:15	3415	0
27.03.23	71.999	3749	9:35:26	0	3749	3749	9:35:26	3749	0
28.03.23	72.71	3708	10:16:50	0	3708	3708	10:16:50	3708	0
29.03.23	73.94	3738	10:31:50	0	3738	3738	10:31:50	3738	0
30.03.23	70.388	3534	10:46:12	0	3534	3534	10:46:12	3534	0

31.03.23	69.615	3793	10:20:05	0	3793	3793	10:20:05	3793	0
TOTAL	2131.048	**3979**	10.29.29	0		**3979**	10.29.29		0
		03.03.23							

9. LOAD PATTERN OF DELHI ON THE DAY OF PEAK DEMAND MET DURING MARCH 2023 ON 03.03.2023 - 3979MW AT 10.29.29HRS.

All figures in MW

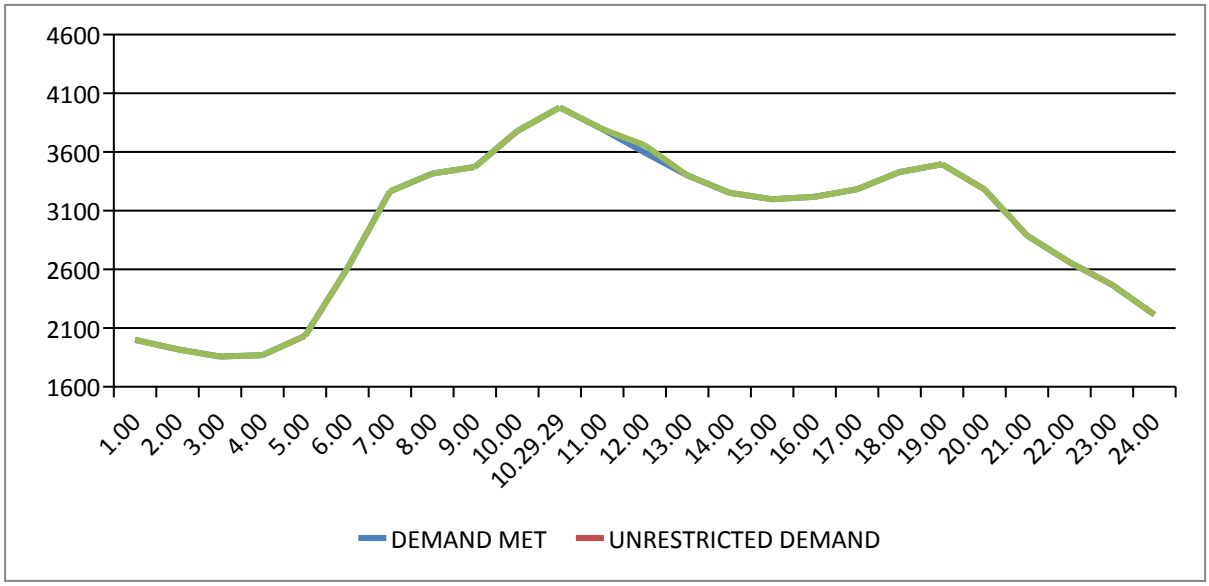
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	1999	0	1999
2.00	1919	0	1919
3.00	1857	0	1857
4.00	1869	0	1869
5.00	2033	0	2033
6.00	2609	0	2609
7.00	3263	0	3263
8.00	3416	0	3416
9.00	3472	0	3472
10.00	3778	0	3778
10.29.29	3979	0	3979
11.00	3795	0	3795
12.00	3594	64	3658
13.00	3401	0	3401
14.00	3252	0	3252
15.00	3197	0	3197
16.00	3218	0	3218
17.00	3282	0	3282
18.00	3429	0	3429
19.00	3495	0	3495
20.00	3281	0	3281
21.00	2888	0	2888
22.00	2661	0	2661
23.00	2469	0	2469
24.00	2214	0	2214
Total (IN MUS)	**70.461**	**0.009**	**70.469533**


4600
4100
3600
3100
2600
2100
1600
1.00
2.00
3.00
4.00
5.00
6.00
7.00
8.00
9.00
10.00
10.29.29
11.00
12.00
13.00
14.00
15.00
16.00
17.00
18.00
19.00
20.00
21.00
22.00
23.00
24.00
DEMAND MET
UNRESTRICTED DEMAND

10 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UN-RESTRICTED DEMAND DURING MARCH 2023 ON 03.03.2023-3979MW AT 10.29.29.

All figures in MW

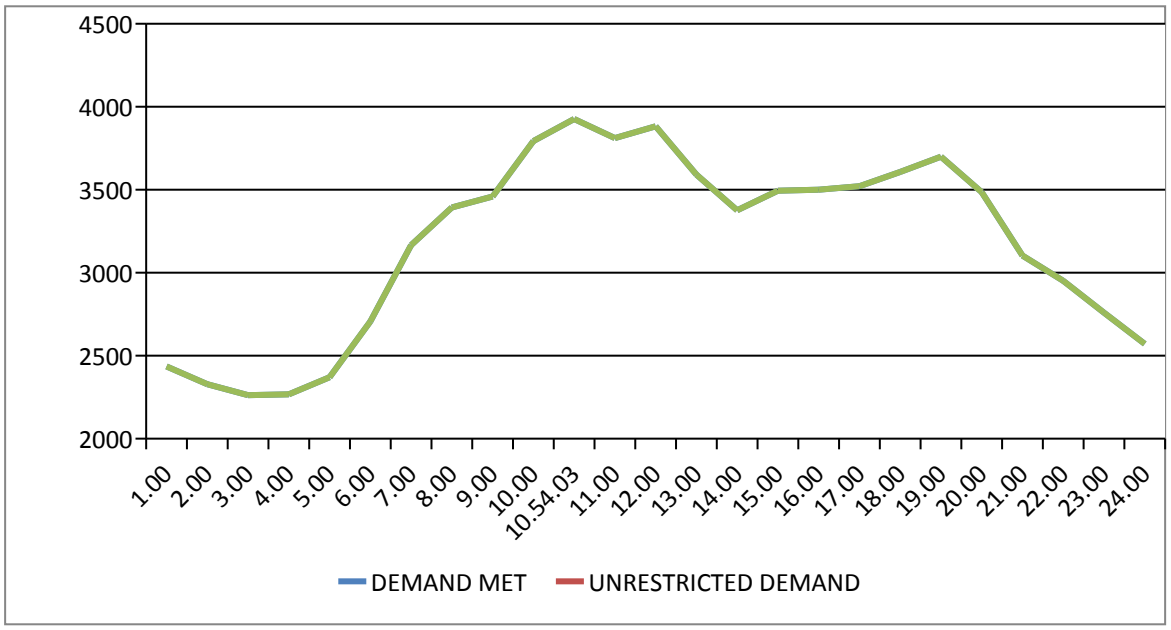
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	1999	0	1999
2.00	1919	0	1919
3.00	1857	0	1857
4.00	1869	0	1869
5.00	2033	0	2033
6.00	2609	0	2609
7.00	3263	0	3263
8.00	3416	0	3416
9.00	3472	0	3472
10.00	3778	0	3778
10.29.29	3979	0	3979
11.00	3795	0	3795
12.00	3594	64	3658
13.00	3401	0	3401
14.00	3252	0	3252
15.00	3197	0	3197
16.00	3218	0	3218
17.00	3282	0	3282
18.00	3429	0	3429
19.00	3495	0	3495
20.00	3281	0	3281
21.00	2888	0	2888
22.00	2661	0	2661
23.00	2469	0	2469
24.00	2214	0	2214
Total (IN MUS)	**70.461**	**0.009**	**70.469533**



11 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM ENERGY CONSUMED DURING MARCH 2023 – 17.03.2023 – 76.718Mus

All figures in MW

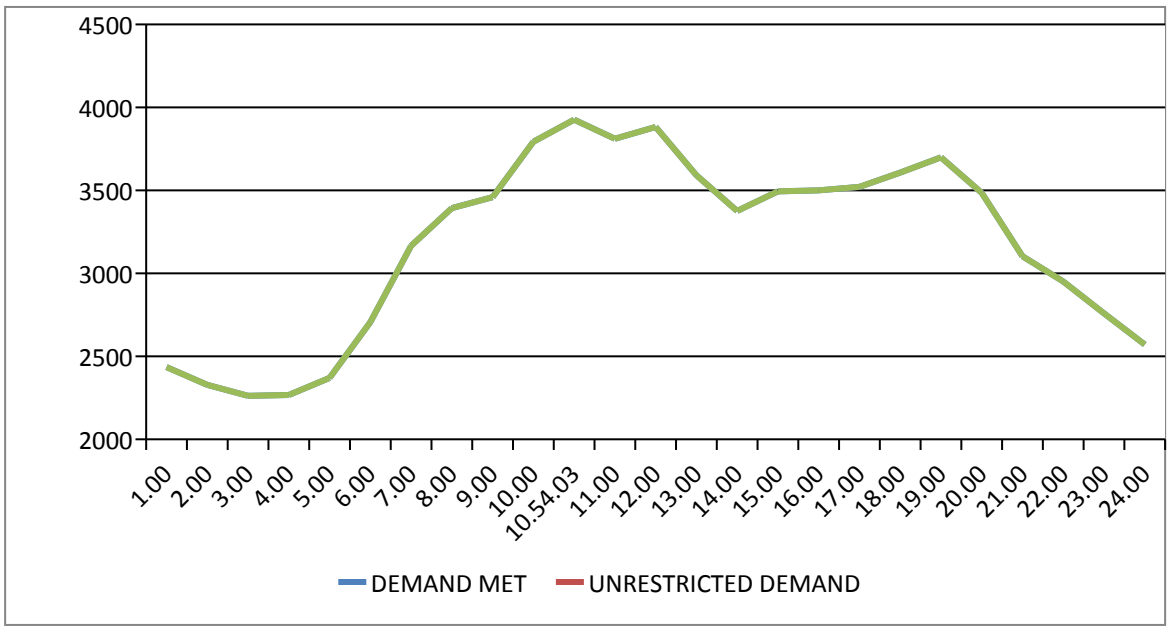
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	2435	0	2435
2.00	2328	0	2328
3.00	2262	0	2262
4.00	2267	0	2267
5.00	2370	0	2370
6.00	2706	0	2706
7.00	3166	0	3166
8.00	3393	0	3393
9.00	3459	0	3459
10.00	3793	0	3793
10.54.03	3926	0	3926
11.00	3811	0	3811
12.00	3882	0	3882
13.00	3591	0	3591
14.00	3376	0	3376
15.00	3494	0	3494
16.00	3500	0	3500
17.00	3521	0	3521
18.00	3607	0	3607
19.00	3699	0	3699
20.00	3485	0	3485
21.00	3103	0	3103
22.00	2951	0	2951
23.00	2759	0	2759
24.00	2571	0	2571
Total (IN MUS)	**76.718**	**0.000**	**76.718**



12 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UNRESTRICTED ENERGY DEMAND DURING MARCH 2023 - ON 17.03.2023- 76.718MUs

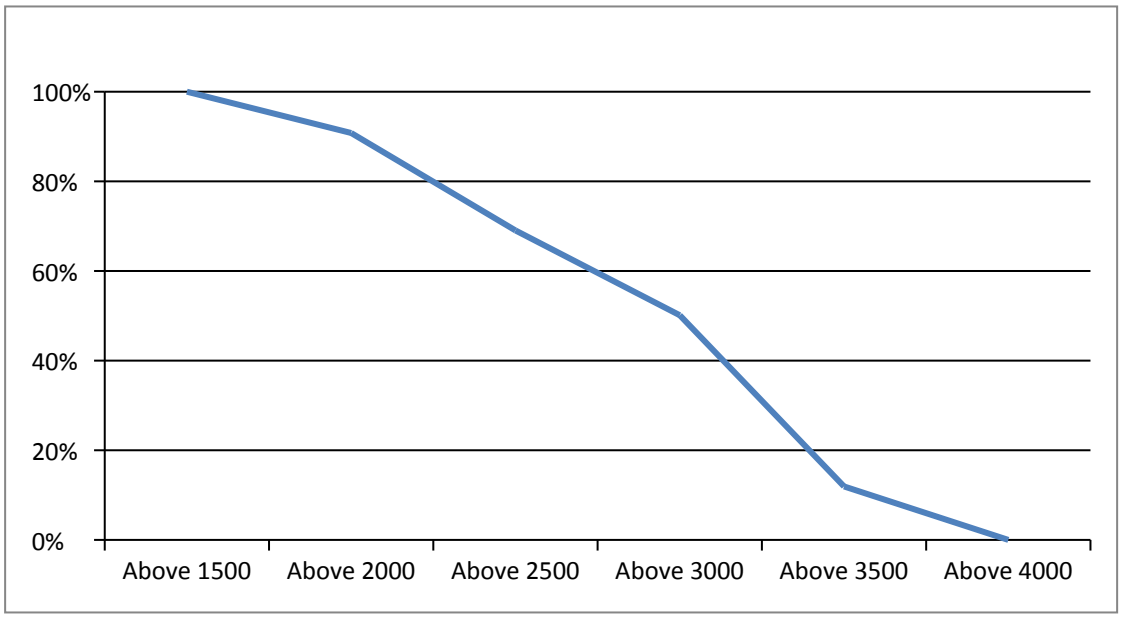
All figures in MW

Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	2435	0	2435
2.00	2328	0	2328
3.00	2262	0	2262
4.00	2267	0	2267
5.00	2370	0	2370
6.00	2706	0	2706
7.00	3166	0	3166
8.00	3393	0	3393
9.00	3459	0	3459
10.00	3793	0	3793
10.54.03	3926	0	3926
11.00	3811	0	3811
12.00	3882	0	3882
13.00	3591	0	3591
14.00	3376	0	3376
15.00	3494	0	3494
16.00	3500	0	3500
17.00	3521	0	3521
18.00	3607	0	3607
19.00	3699	0	3699
20.00	3485	0	3485
21.00	3103	0	3103
22.00	2951	0	2951
23.00	2759	0	2759
24.00	2571	0	2571
Total (IN MUS)	**76.718**	**0.000**	**76.718**



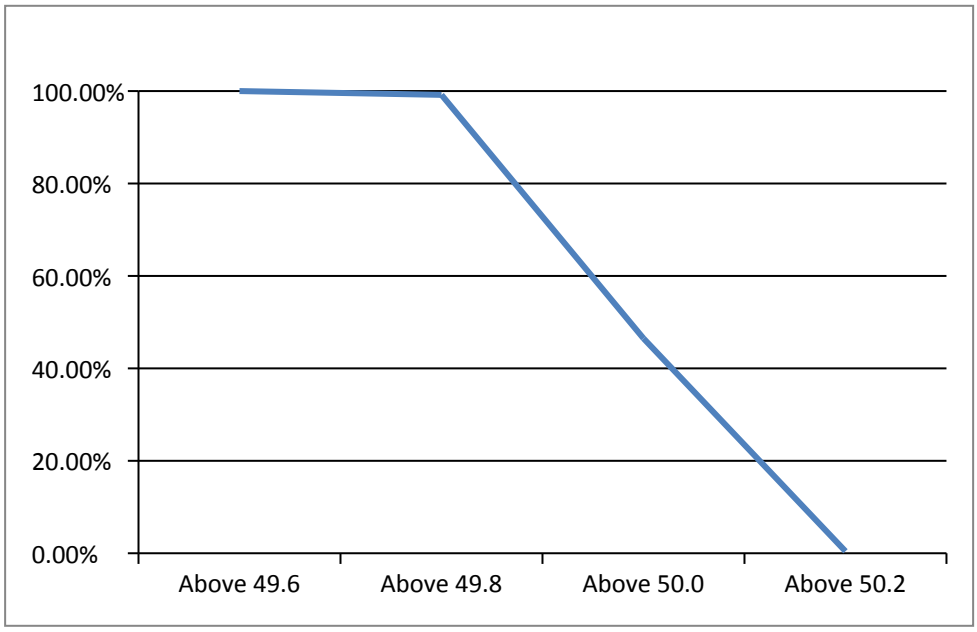
13 LOAD DURATION CURVE FOR MARCH 2023

LOAD REMAINED ABOVE IN MW	(%) OF TIME
Above 1500	100%
Above 2000	90.79%
Above 2500	69.05%
Above 3000	50.13%
Above 3500	11.93%
Above 4000	0.00%



14 FREQUENCY ANALYSIS FOR THE MONTH OF MARCH 2023

FREQUENCY REMAINED ABOVE IN HZ	(%) OF TIME
Above 49.6	100.00%
Above 49.8	99.18%
Above 50.0	46.49%
Above 50.2	0.43%



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

All figures in kV

Date	NARELA		GAZIPUR	
	Max	Min	Max	Min
01.03.23	233.48	220.35	236.19	220.58
02.03.23	233.83	216.56	236.92	218.21
03.03.23	233.88	217.47	237.5	218.64
04.03.23	233.59	218.84	236.54	218.82
05.03.23	233.03	219.55	235.18	222.32
06.03.23	233.41	217.64	235.48	218.11
07.03.23	231.92	217.55	236.14	222.23
08.03.23	232.7	221.24	236.86	224.92
09.03.23	233.22	220.89	236.34	225.03
10.03.23	232.01	218.42	234.99	224.07
11.03.23	230.79	219.34	235.25	223.11
12.03.23	230.88	220.6	236.74	228.57
13.03.23	231.38	217.57	235.42	222.97
14.03.23	230.92	218.86	234.44	224.21
15.03.23	231.38	218.31	235.22	225.05
16.03.23	230.89	220.18	234.98	225.03
17.03.23	231.09	221.25	235.58	226.45
18.03.23	234.15	224.55	236.35	227.46
19.03.23	234.51	223.65	236.47	227.2
20.03.23	232.61	223.06	236.51	227.24
21.03.23	233.56	222.19	237.09	227.67
22.03.23	234.1	221.83	239.32	226.83
23.03.23	233.75	222.17	236.17	226.16
24.03.23	231.51	223.07	236.14	228.47
25.03.23	233.53	223.54	236.17	227.92
26.03.23	232.23	223	238.3	226.25
27.03.23	231.91	222.17	236.8	228.06
28.03.23	232.29	222.15	235.34	224.8
29.03.23	231.16	221.53	234.5	222.62
30.03.23	233.05	223.36	234.39	224.06
31.03.23	233.99	224.36	234.58	225.87

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

All figures in kV

Date	400kV Bamnauli Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01.03.23	422.71	4:02:20	403.55	9:04:28	413.6
02.03.23	425.73	4:02:52	395.04	11:32:56	413.43
03.03.23	424.34	4:01:48	400.14	11:10:01	413.13
04.03.23	424.76	4:01:52	403.41	11:17:36	414.95
05.03.23	424.06	3:02:42	402.64	11:10:08	414.9
06.03.23	424.7	4:01:52	398.26	10:21:21	413.19
07.03.23	423.47	17:04:37	399.02	10:20:09	413.51
08.03.23	424.61	16:03:43	403.7	11:37:16	414.7
09.03.23	422.64	4:02:36	404.27	10:39:48	413.95
10.03.23	421.09	4:01:36	400.99	10:35:18	411.74
11.03.23	419.07	4:02:06	398.77	11:13:37	410.55
12.03.23	420.11	17:04:25	404.74	11:06:47	413.24
13.03.23	420.56	4:01:09	399.44	10:38:43	411.67
14.03.23	420.07	4:01:08	403.82	12:07:53	412.58
15.03.23	422.32	4:00:00	403.22	11:51:14	413.07
16.03.23	421.18	17:03:11	403.45	10:10:39	413.8
17.03.23	422.12	4:02:03	405.3	9:06:49	413.58
18.03.23	425.69	13:02:33	408.89	9:49:34	415.91
19.03.23	426.42	4:01:12	409.27	19:31:40	418.16
20.03.23	424.13	13:03:54	406.28	9:39:13	415.92
21.03.23	425.28	4:00:40	404.93	19:12:51	414.79
22.03.23	426.15	3:16:45	404.38	19:31:44	414.77
23.03.23	425.36	4:00:08	406.02	10:37:29	415.61
24.03.23	422.75	13:02:38	406.39	9:07:25	415.55
25.03.23	426.69	13:02:25	408.21	19:12:07	415.95
26.03.23	425.15	3:13:23	407.85	19:33:02	417.53
27.03.23	424.67	13:02:35	406.9	19:34:03	415.22
28.03.23	426.27	13:02:17	406.15	9:29:44	415.33
29.03.23	422.1	13:03:01	405.31	10:10:01	413.96
30.03.23	423.33	18:05:55	408.61	9:39:37	416.58
31.03.23	425.56	2:56:04	409.26	10:16:09	417.48

All figures in kV

Date	400kV Bawana Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01.03.23	422.46	4:01:01	403	11:17:24	413.18
02.03.23	424.54	4:02:43	394.77	11:50:46	412.25
03.03.23	423.06	4:02:36	--	11:53:11	--
04.03.23	423.45	4:01:10	400.46	11:17:33	414.28
05.03.23	423.17	3:03:52	401.71	11:09:28	414.47
06.03.23	423.17	4:01:59	396.99	11:26:25	412.21
07.03.23	422.35	17:04:19	396.59	10:20:08	412.66
08.03.23	423.17	17:04:02	402.42	12:14:54	414.86
09.03.23	424.71	4:01:45	403.25	12:13:13	414.77
10.03.23	422.51	4:01:41	398.5	11:08:17	412.07
11.03.23	420.06	4:01:37	396.85	11:12:39	411.41
12.03.23	421.45	17:04:20	404	11:06:11	414.08
13.03.23	421.48	4:01:23	396.44	10:47:43	411.14
14.03.23	420.93	4:01:08	398.1	12:07:53	411.18
15.03.23	420.83	4:00:01	398.42	11:51:19	410.53
16.03.23	419.66	2:00:57	400.59	10:10:42	412.33
17.03.23	421.15	4:02:08	404.45	11:28:21	412.58
18.03.23	422.42	3:38:18	408.94	14:17:16	415.48
19.03.23	425.72	4:01:18	408.47	19:31:47	417.14
20.03.23	420.71	23:55:09	404.27	10:39:06	414.52
21.03.23	425.13	4:00:41	404.14	19:12:31	415.12
22.03.23	426.35	3:56:29	403.59	11:51:04	414.41
23.03.23	424.27	4:00:08	404.15	10:42:28	414.3
24.03.23	420.4	0:26:08	404.2	10:41:47	413.4
25.03.23	421.09	13:00:13	407.14	19:12:14	415.1
26.03.23	420.81	16:04:35	406.9	19:32:57	415.68
27.03.23	421.7	3:59:49	406.3	11:19:46	414.26
28.03.23	422.94	1:36:51	403.08	18:48:58	413.93
29.03.23	421.01	2:59:29	403.36	10:38:40	412.27
30.03.23	421.31	23:59:37	405.25	12:09:46	414.88
31.03.23	424.13	2:54:26	406.64	10:20:09	415.84

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

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
1	02.03.23	2:04	KANJHAWALA 220/66kV 100MVA Tx-II	02.03.23	3:10	Tr tripped without indication.
2	02.03.23	2:04	220kV BAWANA - KANJHAWALA CKT-2	02.03.23	8:25	At Bawana : Dist prot, Zone-I, Dist 8.066Km, B phase.
3	02.03.23	2:04	220kV BAWANA - KANJHAWALA CKT - 1	02.03.23	3:14	At Bawana : Dist prot, Zone-I, Dist 8.066Km, B phase.
4	03.03.23	11:56	220kV MAHARANIBAGH-TRAUMA CENTER CKT-I	03.03.23	13:58	AT MAHARANI BAGH : TRIPPED WITHOUT INDICATION.
5	04.03.23	10:43	GEETA COLONY 220/33kV 100MVA Tx-II	04.03.23	12:03	86
6	04.03.23	22:59	220kV PRAGATI - SARITA VIHAR CKT - I	05.03.23	9:30	AT PRAGATI : DIST PROT, ZONE-I, DIST 5.485KM, B PHASE. AT SARITA VIHAR : DIST PROT, ZONE-I, B PHASE, DIST 7.67KM.
7	08.03.23	15:00	220kV BAMNAULI-PAPPANKALAN-II CKT-II	08.03.23	20:10	AT PAPANKALAN-II : DIST PROT,ONE-I, DIST 7.1KM, 86.
8	14.03.23	15:08	220kV MAHARANI BAGH - SARITA VIHAR CKT	14.03.23	17:03	AT SARITA VIHAR : DIST PROT, DIST 3.922KM, R PHASE.
9	14.03.23	18:57	220kV BAWANA-DSIIDC BAWANA CKT-II	15.03.23	0:40	AT DSIDC : DIST PROT, DIST 11.54KM.
10	15.03.23	12:18	KANJHAWALA 220/66kV 100MVA Tx-I	15.03.23	13:15	86
11	15.03.23	13:27	220kV BAWANA - KANJHAWALA CKT-2	15.03.23	14:59	AT BAWANA : DIST PORT, ZONE-I, 86, DIFFERENTIAL, B PHASE.
12	20.03.23	7:22	OKHLA 66/11kV, 20MVA Tx-I	20.03.23	7:40	DIFFERENTIAL, R&B PHASE.
13	20.03.23	8:50	MEHRAULI 220/66kV 100MVA Tx-II	20.03.23	13:35	TRIPPED DUE TO Y PHASE CT CONTROL SPARKING.
14	20.03.23	18:02	220KV WAZIRABAD - MANDOLA CKT-I	20.03.23	19:09	AT WAZIRABAD : DIST PROT, ZONE-I, DIST 8.8KM.
15	20.03.23	19:37	SUBZI MANDI 220/33kV 100MVA Tx-II	21.03.23	0:42	E/F.
16	20.03.23	23:52	SGTN 220/66kV 160MVA TR. -I	20.03.23	10:44	86. PRV.
17	21.03.23	13:52	MASJID MOTH 220/33kV 100MVA Tr-III	21.03.23	19:30	DIFFERENTIAL, RYB PHASE, 86, REF
18	22.03.23	4:32	GAZIPUR 220/66kV 160MVA Tx-I	22.03.23	9:43	OVERFLUX
19	22.03.23	11:43	SHALIMAR BAGH 33/11kV, 20MVA Tx	22.03.23	16:49	BUCHOLZ.
20	22.03.23	12:17	BAWANA 400/220kV 315MVA ICT-IV	23.03.23	17:08	BUCHOLZ, 86
21	23.03.23	14:38	220kV MAHARANI BAGH - SARITA VIHAR CKT	23.03.23	16:04	AT SARITA VIHAR : DIST PROT, ZONE-I, DIST 6.167KM, R PHASE, E/F. AT MAHARANI BAGH : DIST PROT, ZONE-I, R PHASE, DIST 5KM.
22	24.03.23	13:27	BAMNAULI 400/220kV 315MVA ICT-IV	28.03.23	14:56	DIFFERENTIAL, 86A&B, RYB PHASE, 186A&B.
23	27.03.23	18:05	220kV GOPALPUR-SUBZI MANDI CKT-II	27.03.23	16:22	AT GOPALPUR : RYB PHASE.
24	29.03.23	10:17	220kV ROHINI-SHALIMARBAGH CKT-I	29.03.23	15:17	AT ROHINI : DIST PROT, ZONE-I, A&B PHASE. 86.
25	30.03.23	14:40	MASJID MOTH 220/33kV 100MVA Tx-I	30.03.23	15:25	86
26	31.03.23	8:48	GOPALPUR 220/66kV 160MVA Tx	31.03.23	11:20	86A&B.

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

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