DELHI TRANSCO LTD.

STATE LOAD DISPATCH CENTER

PROGRESS REPORT

****

MARCH 2022

1 SALIENT FEATURES OF DELHI POWER SYSTEM

Sr. No.	Features	MAR. 2021	MAR. 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	1371	1371
	TOWMCL (Waste to Energ Plant)	16	16
	EDWPCL (Waste to Energ Plant)	10	10
	DMSWL (Waste to Energ Plant)	24	24
	Total	2156	2156
2	**Maximum Unrestricted Demand (MW)**	**3709**	**4648**
	Date **31.03.2022-4648MW AT 15.15.38**	10.03.2021	31.03.2022
	Time	11.33.54	15.15.38
3	**Peak Demand met (MW)**	**3709**	**4648**
	Date	10.03.2021	31.03.2022
	Time	11.33.54	15.15.38
4	Peak Availability (MW)	3595	4635
5	Shortage (-) / Surplus (+) in MW	(-) 114	(-) 13
6	Percentage Shortage (-) / Surplus (+)	(-) 3.07	(-) 0.28
7	Maximum Energy Consume in a day (Mus)	73.575	95.376
8	Energy Consumed during the month	**2096.772**	**2272.596**
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	0.1376	0.194
	TPDDL	0.0218	0.034
	BRPL	0.2127	0.017
	BYPL	0.0189	0.000
	NDMC	0.0000	0.000
	MES	0.0000	0.000
	Other Agencies	0.0001	0.028
	Total	**0.3911**	**0.273**
10	**Grand Total in Mus**	**0.3911**	**0.273**

2. PERFORMANCE OF GENERATING STATIONS WITHIN DELHI DURING MARCH 2022

A) For the month of Mar 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	0.124	-0.124	--	--
2.	GT	28.484	1.489	26.995	13.92	34.95
3.	PPCL	82.964	2.054	80.910	34.34	131.68
4.	Bawana	240.108	9.057	231.051	23.01	699.54
5.	Towmcl	12.480	1.721	10.759	--	--
6.	EDWPCL	0.000	0.069	-0.069	--	--
7.	DMSWL	15.044	2.112	12.932	--	--
	TOTAL	**379.080**	**16.626**	**362.454**	**--**	**866.17**

B) For the Year 2021-22 (Upto March 2022)

Power Station	Effective Capacity (MW)	Net Generation in MUs for Mar 2022	Availability (%) for Mar 2022	PLF (%) For Mar 2022	Cumulative Generation in MUs upto Mar 2022 for the year 2021-22	Cumulative Availability in % upto Mar 2022 for the year 2021-22
RPH	135	-0.124	--	--	-1.46	--
GT	270	26.995	31.96	13.92	207.665	19.17
PPCL	330	80.910	86.63	34.34	1489.458	94.11
Bawana	1372	231.051	93.58	23.01	3091.525	90.06
Towmcl	16	10.759	--	--	140.318	--
EDWPCL	10	-0.069	--	--	4.231	--
DMSWL	24	12.932	--	--	138.781	--
TOTAL	2936	**362.454**	--	--	**5070.518**	--

3 DETAILS OF OUTAGES OF GENERATING STNS. WITHIN DELHI FOR MARCH 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	01.03.22	00.00	31.03.22	23.59	Low Demand
2	30	01.03.22	00.00	31.03.22	23.59	Unit out due to generator rotor problem.
3	30	NIL				
4	30	NIL				
5	30	01.03.22	0:00	23.03.22	16:42	Low Demand
		23.03.22	16:42	23.03.22	15:00	Unit trip due to over speed volt trip
		23.03.22	0:00	30.03.22	0:00	Low Demand
6	30	08.03.22	1:20	08.03.22	4:24	Unit tripped due to C&I and Elect. Fault
		29.03.22	2:35	29.03.22	4:35	Unit tripped due toelectrical trouble normal shut downalarm
STG-1	30	01.03.22	00.00	31.03.22	23.59	Low Demand
STG-2	30	NIL				
STG-3	30	08.03.22	1:20	08.03.22	7:15	Unit tripped due to GT#6 tripping
		11.03.22	14:38	11.03.22	17:55	Due to leakage in feed line of running HRSG#6
		19.03.22	1:40	19.03.22	2:32	Unit tripped due to failure of processor card which control drum level of HRSG#6
		23.03.22	4:42	23.03.22	7:26	Unit tripped due to GT#5 tripping
		29.03.22	2:35	29.03.22	4:35	Unit tripped due to GT # 6 tripping
		29.03.22	14:15	29.03.22	15:42	Unit tripped due to Problem in AVR
		29.03.22	16:15	29.03.22	17:08	Unit tripped due to heavy Jerk
		29.03.22	17:20	29.03.22	19:05	Unit tripped due to Problem in AVR

(C) PRAGATI

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	104	01.03.22	00.00	24.03.22	21.55	Low Demand
		27.03.22	09.30	31.03.22	23.59	
2	104	05.03.22	12.10	16.03.22	05.27	Low Demand
STG	122	05.03.22	12.09	16.03.22	12.34	Planned maintenance
		23.03.22	11.27	23.03.22	13.43	Internal fault
		27.03.22	09.53	27.03.22	11.21	Internal fault

(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	01.03.22	00.00	01.03.2	23.59	Problem in generator slip ring.
4	216	08.03.22	14.00	11.03.22	17.50	Shutdown for transformer testing.
STG -1	254	NIL				
STG -2	254	01.03.22	00.00	01.03.22	23.59	Non availability of GT
		08.03.22	14.00	11.03.22	1750	Non availability;y of GT.

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 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	EDWPCL	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	09.43.00	37	160	313	19	0	17	546	3494	3497	-3	4040	0	4040
2	09.44.27	36	162	312	19	0	17	546	3198	3272	-74	3744	0	3744
3	09.32.54	35	161	311	18	0	7	532	3107	2939	168	3639	0	3639
4	10.09.35	36	162	313	19	0	7	537	3300	3126	174	3837	0	3837
5	10.00.57	35	162	312	12	0	16	537	2951	2943	8	3488	0	3488
6	10.25.24	35	-2	312	13	0	16	518	3190	3144	46	3708	0	3708
7	10.00.00	36	0	310	12	0	17	518	3254	3247	7	3772	0	3772
8	10.20.00	35	0	313	17	0	18	383	3219	3231	-12	3602	0	3602
9	10.25.53	35	0	314	19	0	18	386	3233	3257	-24	3619	0	3619
10	10.00.00	36	0	311	15	0	18	380	3217	3301	-84	3597	0	3597
11	10.25.21	35	0	313	19	0	19	386	3357	3361	-4	3743	0	3743
12	10.23.01	35	0	313	13	0	20	381	3166	3078	88	3547	0	3547
13	10.55.43	34	0	314	18	0	20	386	3004	3095	-91	3390	0	3390
14	10.01.00	34	-1	316	18	0	17	384	3214	3055	159	3598	0	3598
15	11.00.00	33	0	312	19	0	19	383	3352	3229	123	3735	0	3735
16	11.00.19	33	56	313	19	0	18	439	3442	3216	226	3881	0	3881
17	11.13.44	33	155	313	19	0	19	539	3299	3176	123	3838	0	3838
18	19.47.24	34	157	308	19	0	17	535	2368	2378	-10	2903	0	2903
19	19.14.22	33	155	313	19	0	19	539	2912	2843	69	3451	0	3451
20	19.30.45	33	153	310	19	0	19	534	3034	2913	121	3568	0	3568
21	12.21.00	36	153	308	13	0	17	527	3568	3484	84	4095	0	4095
22	11.25.00	34	155	311	12	0	18	530	3449	3438	11	3979	0	3979
23	11.30.00	34	102	312	13	0	19	480	3534	3466	68	4014	0	4014
24	15.38.34	34	152	313	14	0	18	531	3490	3412	78	4021	0	4021
25	11.49.31	34	271	323	13	0	16	657	3551	3523	28	4208	0	4208
26	19.02.02	34	276	317	15	0	19	661	3194	3062	132	3855	0	3855
27	19.25.05	34	154	315	13	0	19	535	3109	3114	-5	3644	0	3644
28	11.46.46	34	153	315	12	0	19	533	3571	3623	-52	4104	0	4104
29	16.34.09	26	151	306	13	0	17	513	3787	3783	4	4300	0	4300
30	15.26.51	40	156	317	0	0	19	532	3966	3860	106	4498	0	4498
31	15.15.38	40	149	304	0	0	19	512	4136	4123	13	4648	0	4648

6 POWER AVAILABILITY- DEMAND POSITION AT THE TIME OF MAXIMUM UNRESTRICTED DEMAND DURING MARCH 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	EDWPCL	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	09.43.00	37	160	313	19	0	17	546	3494	3497	-3	4040	0	4040
2	09.44.27	36	162	312	19	0	17	546	3198	3272	-74	3744	0	3744
3	09.32.54	35	161	311	18	0	7	532	3107	2939	168	3639	0	3639
4	10.09.35	36	162	313	19	0	7	537	3300	3126	174	3837	0	3837
5	10.00.57	35	162	312	12	0	16	537	2951	2943	8	3488	0	3488
6	10.25.24	35	-2	312	13	0	16	518	3190	3144	46	3708	0	3708
7	10.00.00	36	0	310	12	0	17	518	3254	3247	7	3772	0	3772
8	10.20.00	35	0	313	17	0	18	383	3219	3231	-12	3602	0	3602
9	10.25.53	35	0	314	19	0	18	386	3233	3257	-24	3619	0	3619
10	10.00.00	36	0	311	15	0	18	380	3217	3301	-84	3597	0	3597
11	10.25.21	35	0	313	19	0	19	386	3357	3361	-4	3743	0	3743
12	10.23.01	35	0	313	13	0	20	381	3166	3078	88	3547	0	3547
13	10.55.43	34	0	314	18	0	20	386	3004	3095	-91	3390	0	3390
14	10.01.00	34	-1	316	18	0	17	384	3214	3055	159	3598	0	3598
15	11.00.00	33	0	312	19	0	19	383	3352	3229	123	3735	0	3735
16	11.00.19	33	56	313	19	0	18	439	3442	3216	226	3881	0	3881
17	11.13.44	33	155	313	19	0	19	539	3299	3176	123	3838	0	3838
18	19.47.24	34	157	308	19	0	17	535	2368	2378	-10	2903	0	2903
19	19.14.22	33	155	313	19	0	19	539	2912	2843	69	3451	0	3451
20	19.30.45	33	153	310	19	0	19	534	3034	2913	121	3568	0	3568
21	12.21.00	36	153	308	13	0	17	527	3568	3484	84	4095	0	4095
22	11.25.00	34	155	311	12	0	18	530	3449	3438	11	3979	0	3979
23	11.30.00	34	102	312	13	0	19	480	3534	3466	68	4014	0	4014
24	15.38.34	34	152	313	14	0	18	531	3490	3412	78	4021	0	4021
25	11.49.31	34	271	323	13	0	16	657	3551	3523	28	4208	0	4208
26	19.02.02	34	276	317	15	0	19	661	3194	3062	132	3855	0	3855
27	19.25.05	34	154	315	13	0	19	535	3109	3114	-5	3644	0	3644
28	11.46.46	34	153	315	12	0	19	533	3571	3623	-52	4104	0	4104
29	16.34.09	26	151	306	13	0	17	513	3787	3783	4	4300	0	4300
30	15.26.51	40	156	317	0	0	19	532	3966	3860	106	4498	0	4498
31	15.15.38	40	149	304	0	0	19	512	4136	4123	13	4648	0	4648

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

(ALL FIGURES IN MUS)

GENERATION WITHIN DELHI	AVAILABILITY	SCHEDULE
Rajghat Power House	0.000	0.000
Gas Turbine	62.082	27.131
Pragati-I	213.465	81.785
Pragati-III (Bawana)	928.390	228.841
Rithala	0.000	0.000
Badarpur	0.000	0.000
Renewable (include WTE)	15.160	15.160
TOTAL DELHI GEN.	**1219.096**	**352.916**

NAME OF STATION	AVAILABILITY	SCHEDULE
SINGRAULI STPS	97.941	96.963
RIHAND STPS	65.704	64.588
DADRI TPS	66.757	0.000
UNCHAHAR-I TPS	16.598	31.037
UNCHAHAR-II TPS	16.788	14.813
ANTA GPP-GF	19.181	0.000
ANTA GPP-LF	0.000	0.036
ANTA GPP-RF	0.000	0.000
ANTA CRF	0.000	0.000
AURAIYA GPP-GF	35.220	0.000
AURAIYA GPP-LF	0.000	0.178
AURAIYA GPP-RF	0.000	0.055
AURIYA CRF	0.000	0.021
DADRI GPP-GF	50.355	0.000
DADRI GPP-LF	0.000	0.156
DADRI GPP-RF	0.000	0.247
DADRI CRF	0.000	0.173
BAIRASIUL HEP	7.772	7.772
SALAL HEP	23.360	23.360
TANAKPUR HEP	1.427	1.427
CHAMERA HEP	10.972	10.972
URI HEP	34.740	34.740
NATHPA JHAKRI HEP	24.343	24.343
CHAMERA HEP-II	9.959	9.959
RIHAND-II STPS	88.001	84.106
DHAULIGANGA HEP	5.861	5.861
TEHRI HEP	15.341	15.341
UNCHAHAR-III TPS	20.210	17.632

NAME OF STATION	AVAILABILITY	SCHEDULE
DULHASTI HEP	12.347	12.347
DADRI II	293.297	271.671
SEWA-II	7.968	7.968
jhajjar	99.466	381.105
NAPP	30.688	30.688
RAPP C	38.924	38.924
RAPPB_4 C	0.000	0.000
KOTESWAR	9.936	9.936
SASAN	300.746	300.746
CHAMERA III	6.903	6.903
RIHAND3	95.587	91.063
KAHALGAON1	32.302	29.229
KAHALGAON2	76.592	70.844
TALA	0.282	0.282
FARAKA	12.529	12.529
URI 2 HEP	23.091	23.091
Parvati3	2.524	2.524
Koldam	0.000	0.000
SINGRAULI SHEP	0.602	0.602
UNCHAHAR - IV TPS	0.000	0.000
TALCHER (BTPS)	12.815	0.000
Nabinagar STPS(BRBCL)	3.330	9.721
TOTAL ISGS	**1670.458**	**1743.951**
LTA	546.113	546.113
TOTAL (ISGS + LTA)	**2216.571**	**2290.065**
TOTAL AVAILABILITY	**3435.667**	**2642.980**
BILATERAL PURCHASE	90.412	90.412

8. SHEDDING DETAILS DURING THE MONTH OF MARCH 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
01.03.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
02.03.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
03.03.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
04.03.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
05.03.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
06.03.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
07.03.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
08.03.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
09.03.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10.03.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11.03.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12.03.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
13.03.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14.03.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15.03.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
16.03.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17.03.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
18.03.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
19.03.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20.03.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
21.03.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22.03.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
23.03.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
24.03.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25.03.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
26.03.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27.03.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
28.03.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
29.03.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30.03.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
31.03.22	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**

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
01.03.22	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
02.03.22	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
03.03.22	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
04.03.22	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
05.03.22	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
06.03.22	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
07.03.22	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
08.03.22	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
09.03.22	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
10.03.22	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
11.03.22	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
12.03.22	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
13.03.22	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
14.03.22	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
15.03.22	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
16.03.22	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
17.03.22	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
18.03.22	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
19.03.22	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
20.03.22	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
21.03.22	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
22.03.22	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
23.03.22	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
24.03.22	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
25.03.22	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
26.03.22	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
27.03.22	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
28.03.22	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
29.03.22	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
30.03.22	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
31.03.22	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**

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
01.03.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
02.03.22	0.000	0.000	0.002	0.000	0.000	0.000	0.000	0.000	0.000
03.03.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
04.03.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
05.03.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
06.03.22	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.000	0.000
07.03.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
08.03.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
09.03.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10.03.22	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.000	0.000
11.03.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12.03.22	0.000	0.002	0.000	0.000	0.000	0.000	0.000	0.000	0.000
13.03.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14.03.22	0.000	0.066	0.000	0.000	0.000	0.000	0.012	0.000	0.000
15.03.22	0.000	0.005	0.000	0.000	0.000	0.000	0.001	0.002	0.000
16.03.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000
17.03.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
18.03.22	0.000	0.026	0.000	0.000	0.000	0.000	0.000	0.000	0.000
19.03.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000
20.03.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
21.03.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22.03.22	0.000	0.000	0.002	0.000	0.000	0.000	0.000	0.000	0.000
23.03.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
24.03.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25.03.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000
26.03.22	0.002	0.000	0.005	0.000	0.000	0.000	0.000	0.000	0.000
27.03.22	0.000	0.000	0.000	0.000	0.000	0.000	0.013	0.000	0.000
28.03.22	0.000	0.026	0.000	0.000	0.000	0.000	0.000	0.000	0.000
29.03.22	0.000	0.029	0.003	0.000	0.000	0.000	0.000	0.000	0.000
30.03.22	0.000	0.009	0.000	0.000	0.000	0.000	0.000	0.011	0.000
31.03.22	0.000	0.017	0.000	0.000	0.000	0.000	0.003	0.000	0.000
TOTAL	0.002	0.180	0.012	0.000	0.000	0.000	0.034	0.017	0.000

ALL FIGURES IN MUs

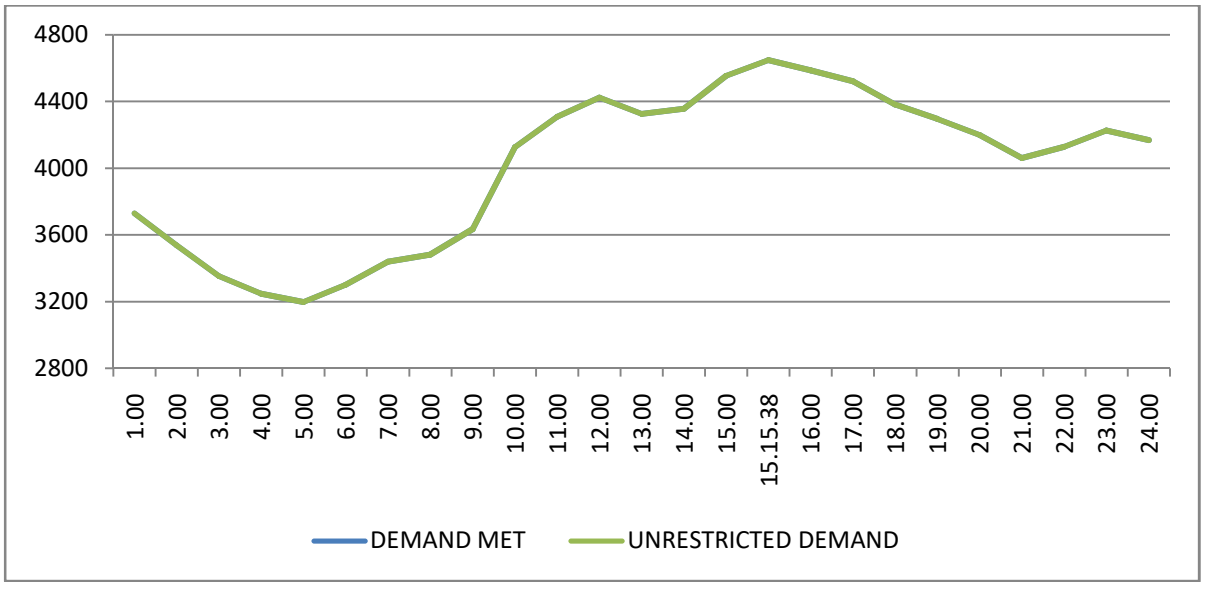
DATE	OTHER AGENCIES LIKE GENCO, BBMB, BTPS ETC.				THEFT PRONE SHEDDING			TOTAL SHEDDING DUE TO T&D CONSTS. & THEFT PRONE	GRAND TOTAL
	BSES		TPDDL	NDMC	BSES		TPDDL		
	BYPL	BRPL			BYPL	BRPL			
1	35	36	37	38	39	40	41	42= 26 to 41	43 = 25 + 42
01.03.22	0.0000	0.0000	0.0000	0.0000	0.000	0.000	0.000	0.0000	0.0000
02.03.22	0.0000	0.0000	0.0000	0.0000	0.000	0.000	0.000	0.0021	0.0021
03.03.22	0.0000	0.0000	0.0000	0.0000	0.000	0.000	0.000	0.0000	0.0000
04.03.22	0.0000	0.0000	0.0000	0.0000	0.000	0.000	0.000	0.0000	0.0000
05.03.22	0.0000	0.0000	0.0000	0.0000	0.000	0.000	0.000	0.0001	0.0001
06.03.22	0.0000	0.0000	0.0000	0.0000	0.000	0.000	0.000	0.0037	0.0037
07.03.22	0.0000	0.0000	0.0000	0.0000	0.000	0.000	0.000	0.0000	0.0000
08.03.22	0.0000	0.0000	0.0020	0.0000	0.000	0.000	0.000	0.0020	0.0020
09.03.22	0.0000	0.0000	0.0000	0.0000	0.000	0.000	0.000	0.0001	0.0001
10.03.22	0.0000	0.0000	0.0000	0.0000	0.000	0.000	0.000	0.0019	0.0019
11.03.22	0.0000	0.0000	0.0000	0.0000	0.000	0.000	0.000	0.0003	0.0003
12.03.22	0.0000	0.0000	0.0000	0.0000	0.000	0.000	0.000	0.0017	0.0017
13.03.22	0.0000	0.0000	0.0000	0.0000	0.000	0.000	0.000	0.0000	0.0000
14.03.22	0.0000	0.0000	0.0000	0.0000	0.000	0.000	0.000	0.0781	0.0781
15.03.22	0.0000	0.0000	0.0000	0.0000	0.000	0.000	0.000	0.0080	0.0080
16.03.22	0.0000	0.0000	0.0000	0.0000	0.000	0.000	0.000	0.0006	0.0006
17.03.22	0.0000	0.0000	0.0000	0.0000	0.000	0.000	0.000	0.0000	0.0000
18.03.22	0.0000	0.0000	0.0000	0.0000	0.000	0.000	0.000	0.0262	0.0262
19.03.22	0.0000	0.0000	0.0000	0.0000	0.000	0.000	0.000	0.0014	0.0014
20.03.22	0.0000	0.0000	0.0000	0.0000	0.000	0.000	0.000	0.0000	0.0000
21.03.22	0.0000	0.0000	0.0000	0.0000	0.000	0.000	0.000	0.0005	0.0005
22.03.22	0.0000	0.0000	0.0003	0.0000	0.000	0.000	0.000	0.0023	0.0023
23.03.22	0.0000	0.0078	0.0068	0.0000	0.000	0.000	0.000	0.0146	0.0146
24.03.22	0.0000	0.0000	0.0008	0.0000	0.000	0.000	0.000	0.0008	0.0008
25.03.22	0.0000	0.0000	0.0021	0.0000	0.000	0.000	0.000	0.0027	0.0027
26.03.22	0.0000	0.0000	0.0000	0.0000	0.000	0.000	0.000	0.0066	0.0066
27.03.22	0.0000	0.0000	0.0000	0.0086	0.000	0.000	0.000	0.0219	0.0219
28.03.22	0.0000	0.0000	0.0000	0.0000	0.000	0.000	0.000	0.0265	0.0265
29.03.22	0.0000	0.0000	0.0000	0.0000	0.000	0.000	0.000	0.0318	0.0318
30.03.22	0.0000	0.0000	0.0000	0.0000	0.000	0.000	0.000	0.0205	0.0205
31.03.22	0.0000	0.0000	0.0000	0.0000	0.000	0.000	0.000	0.0193	0.0193
TOTAL	0.0000	0.0078	0.0121	0.0086	0.000	0.000	0.000	0.2737	0.2737

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
01.03.22	63.374	4040	9:43:00	0	4040	4040	9:43:00	0	4040
02.03.22	62.887	3744	9:44:27	0	3744	3744	9:44:27	0	3744
03.03.22	62.6	3640	9:32:54	0	3640	3640	9:32:54	0	3640
04.03.22	66.198	3837	10:09:35	0	3837	3837	10:09:35	0	3837
05.03.22	60.469	3489	10:00:57	0	3489	3489	10:00:57	0	3489
06.03.22	60.269	3565	10:25:24	0	3565	3565	10:25:24	0	3565
07.03.22	61.762	3628	10:00:00	0	3628	3628	10:00:00	0	3628
08.03.22	64.862	3602	10:20:00	0	3602	3602	10:20:00	0	3602
09.03.22	66.116	3619	10:25:53	0	3619	3619	10:25:53	0	3619
10.03.22	63.924	3597	10:00:00	0	3597	3597	10:00:00	0	3597
11.03.22	67.675	3742	10:25:21	0	3742	3742	10:25:21	0	3742
12.03.22	65.338	3547	10:23:01	0	3547	3547	10:23:01	0	3547
13.03.22	62.975	3389	10:55:43	0	3389	3389	10:55:43	0	3389
14.03.22	69.374	3598	10:01:00	0	3598	3598	10:01:00	0	3598
15.03.22	73.379	3735	11:00:00	0	3735	3735	11:00:00	0	3735
16.03.22	76.079	3881	11:00:19	0	3881	3881	11:00:19	0	3881
17.03.22	74.599	3838	11:13:44	0	3838	3838	11:13:44	0	3838
18.03.22	61.561	2902	19:47:24	0	2902	2902	19:47:24	0	2902
19.03.22	69.643	3451	19:14:22	0	3451	3451	19:14:22	0	3451
20.03.22	72.883	3568	19:30:45	0	3568	3568	19:30:45	0	3568
21.03.22	84.625	4095	12:21:00	0	4095	4095	12:21:00	0	4095
22.03.22	83.916	3979	11:25:00	0	3979	3979	11:25:00	0	3979
23.03.22	86.217	4014	11:30:00	0	4014	4014	11:30:00	0	4014
24.03.22	83.913	4021	15:38:34	0	4021	4021	15:38:34	0	4021
25.03.22	86.398	4208	11:49:00	0	4208	4208	11:49:00	0	4208
26.03.22	79.581	3855	19:02:02	0	3855	3855	19:02:02	0	3855
27.03.22	77.873	3644	19:25:05	0	3644	3644	19:25:05	0	3644
28.03.22	85.152	4104	11:46:46	0	4104	4104	11:46:46	0	4104
29.03.22	89.245	4308	16:34:09	0	4308	4308	16:34:09	0	4308
30.03.22	94.333	4475	15:26:51	0	4475	4475	15:26:51	0	4475
31.03.22	95.376	4648	15:15:38	0	4648	4648	15:15:38	0	4648
TOTAL	2272.596	**4648**	15.15.38		**4648**	15.15.38			
		31.03.2022			**31.03.2022**				

9. LOAD PATTERN OF DELHI ON THE DAY OF PEAK DEMAND MET DURING MARCH 2022 ON 31.03.2022 - 4648 MW AT 15.15.38HRS.

All figures in MW

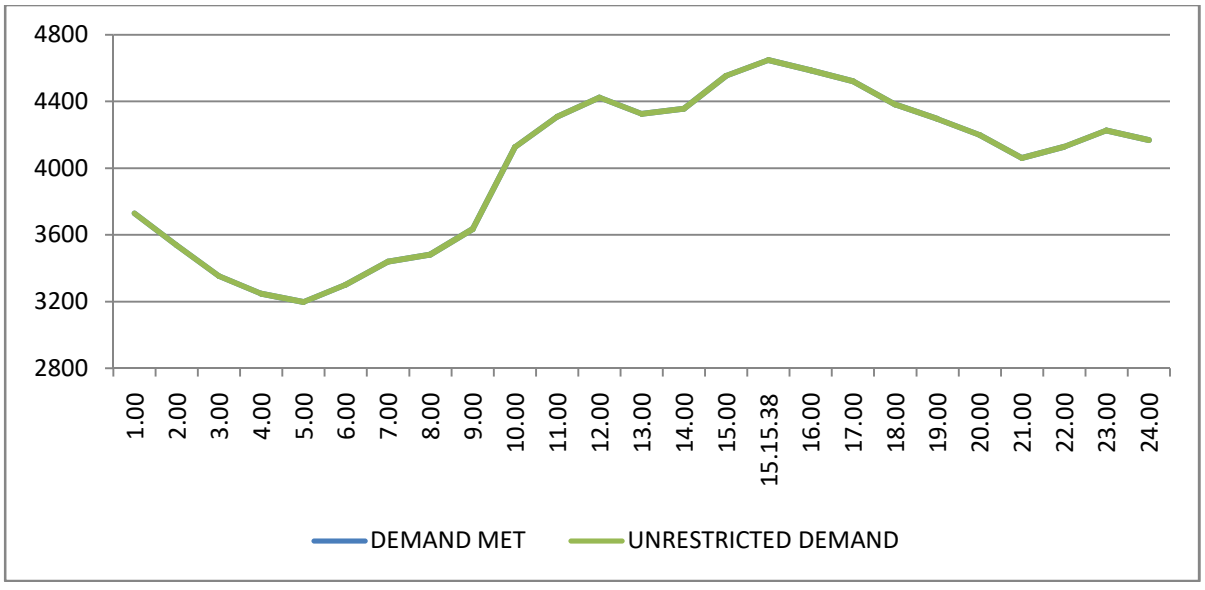
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	3728	0	3728
2.00	3536	0	3536
3.00	3352	0	3352
4.00	3247	0	3247
5.00	3196	0	3196
6.00	3301	0	3301
7.00	3438	0	3438
8.00	3480	0	3480
9.00	3635	0	3635
10.00	4125	0	4125
11.00	4307	0	4307
12.00	4423	0	4423
13.00	4326	0	4326
14.00	4356	0	4356
15.00	4554	0	4554
15.15.38	4648	0	4648
16.00	4586	0	4586
17.00	4521	0	4521
18.00	4380	0	4380
19.00	4294	0	4294
20.00	4198	0	4198
21.00	4060	0	4060
22.00	4128	0	4128
23.00	4225	0	4225
24.00	4055	0	4055
Total (IN MUS)	**95.376**	**0.019**	**95.3953**



10 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UN-RESTRICTED DEMAND DURING MARCH 2022 ON 31.03.2022-4648MW AT 15.15.38HRS.

All figures in MW

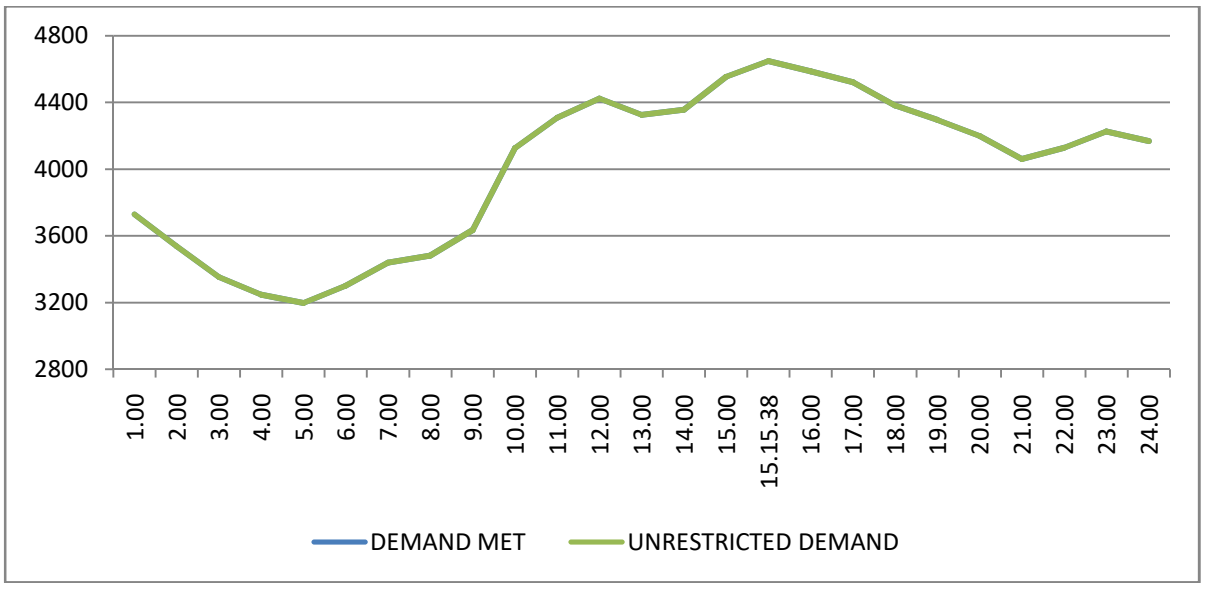
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	3728	0	3728
2.00	3536	0	3536
3.00	3352	0	3352
4.00	3247	0	3247
5.00	3196	0	3196
6.00	3301	0	3301
7.00	3438	0	3438
8.00	3480	0	3480
9.00	3635	0	3635
10.00	4125	0	4125
11.00	4307	0	4307
12.00	4423	0	4423
13.00	4326	0	4326
14.00	4356	0	4356
15.00	4554	0	4554
15.15.38	4648	0	4648
16.00	4586	0	4586
17.00	4521	0	4521
18.00	4380	0	4380
19.00	4294	0	4294
20.00	4198	0	4198
21.00	4060	0	4060
22.00	4128	0	4128
23.00	4225	0	4225
24.00	4055	0	4055
Total (IN MUS)	**95.376**	**0.019**	**95.3953**



11 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM ENERGY CONSUMED DURING MARCH 2022 – 31.03.2022 – 95.376 Mus

All figures in MW

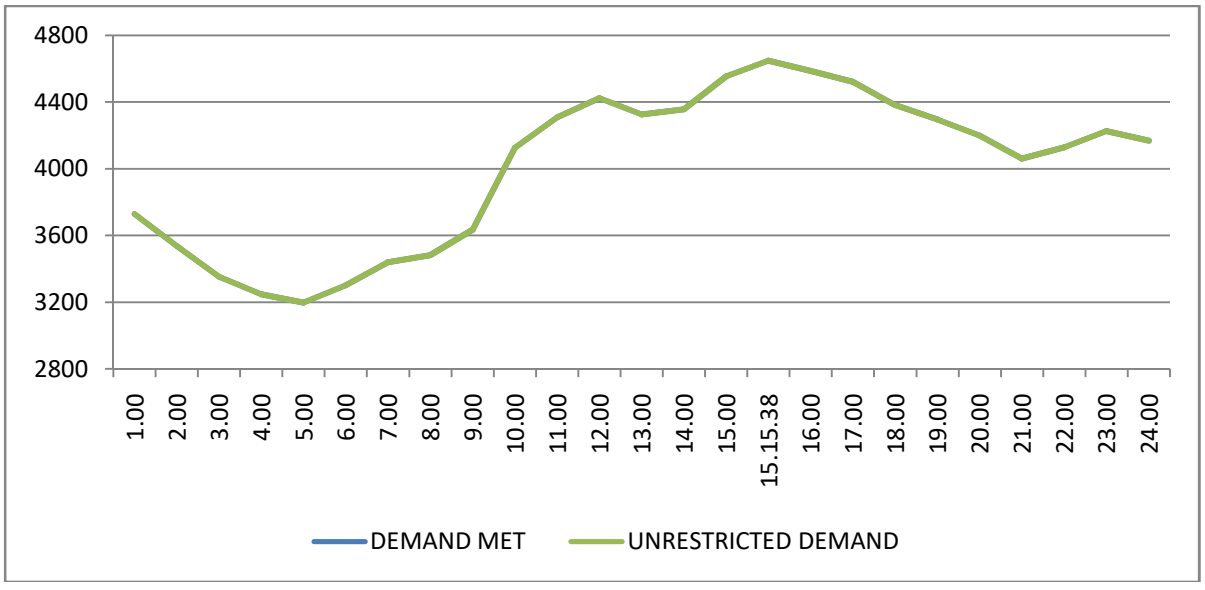
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	3728	0	3728
2.00	3536	0	3536
3.00	3352	0	3352
4.00	3247	0	3247
5.00	3196	0	3196
6.00	3301	0	3301
7.00	3438	0	3438
8.00	3480	0	3480
9.00	3635	0	3635
10.00	4125	0	4125
11.00	4307	0	4307
12.00	4423	0	4423
13.00	4326	0	4326
14.00	4356	0	4356
15.00	4554	0	4554
15.15.38	4648	0	4648
16.00	4586	0	4586
17.00	4521	0	4521
18.00	4380	0	4380
19.00	4294	0	4294
20.00	4198	0	4198
21.00	4060	0	4060
22.00	4128	0	4128
23.00	4225	0	4225
24.00	4055	0	4055
Total (IN MUS)	**95.376**	**0.019**	**95.3953**



12 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UNRESTRICTED ENERGY DEMAND DURING MARCH 2022 - ON 31.03.2022- 95.395MUs

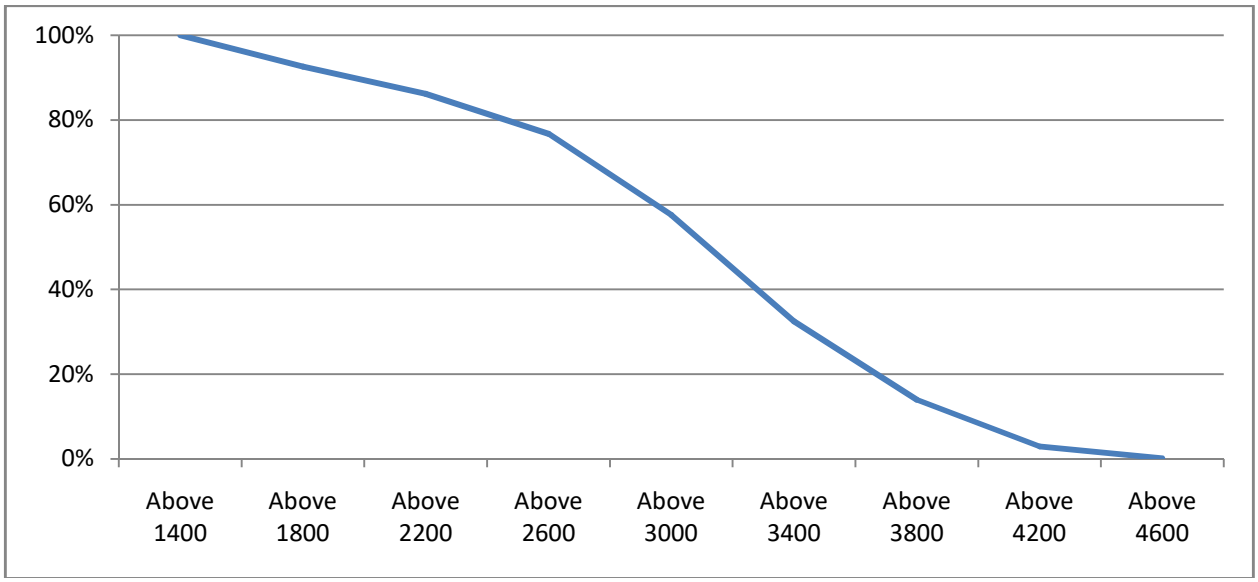
All figures in MW

Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	3728	0	3728
2.00	3536	0	3536
3.00	3352	0	3352
4.00	3247	0	3247
5.00	3196	0	3196
6.00	3301	0	3301
7.00	3438	0	3438
8.00	3480	0	3480
9.00	3635	0	3635
10.00	4125	0	4125
11.00	4307	0	4307
12.00	4423	0	4423
13.00	4326	0	4326
14.00	4356	0	4356
15.00	4554	0	4554
15.15.38	4648	0	4648
16.00	4586	0	4586
17.00	4521	0	4521
18.00	4380	0	4380
19.00	4294	0	4294
20.00	4198	0	4198
21.00	4060	0	4060
22.00	4128	0	4128
23.00	4225	0	4225
24.00	4055	0	4055
Total (IN MUS)	**95.376**	**0.019**	**95.3953**



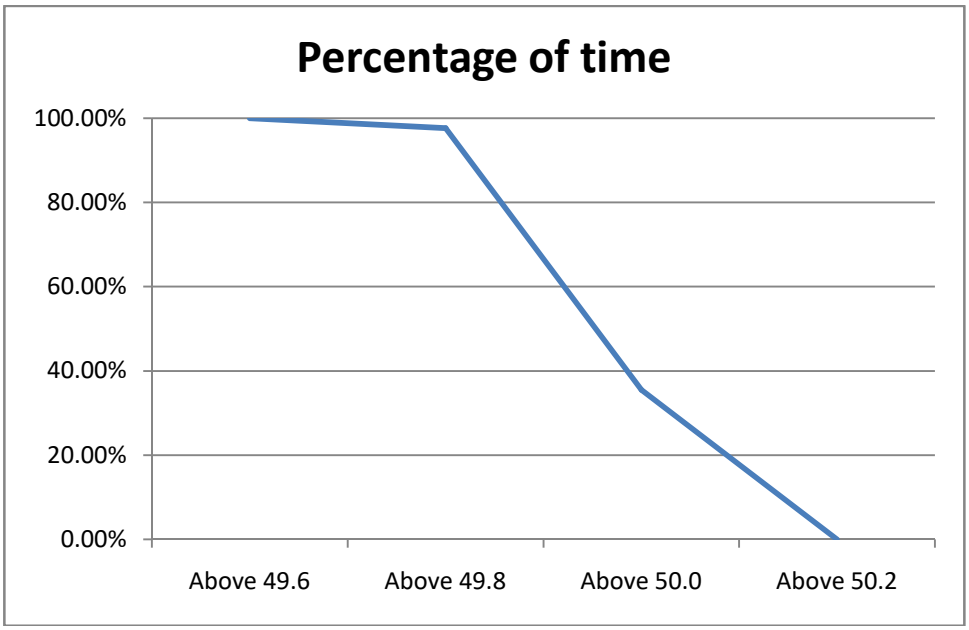
13 LOAD DURATION CURVE FOR MARCH 2022

LOAD REMAINED ABOVE IN MW	(%) OF TIME
Above 1400	100%
Above 1800	92.60%
Above 2200	86.15%
Above 2600	76.68%
Above 3000	57.56%
Above 3400	32.49%
Above 3800	13.94%
Above 4200	2.92%
Above 4600	0.10%



14 FREQUENCY ANALYSIS FOR THE MONTH OF MARCH 2022

FREQUENCY REMAINED ABOVE IN HZ	(%) OF TIME
Above 49.6	100.00%
Above 49.8	97.64%
Above 50.0	35.45%
Above 50.2	0.00%



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

All figures in kV

Date	NARELA		GAZIPUR	
	Max	Min	Max	Min
01.03.22	232.3	219.1	240.9	215.0
02.03.22	233.6	218.4	242.9	195.9
03.03.22	233.8	217.3	239.1	219.7
04.03.22	232.2	216.6	235.5	218.0
05.03.22	232.2	218.5	235.8	219.8
06.03.22	233.5	219.7	235.2	221.0
07.03.22	234.1	218.2	235.9	218.9
08.03.22	231.0	216.7	234.1	218.4
09.03.22	231.7	217.1	235.6	218.0
10.03.22	232.8	216.6	236.4	219.3
11.03.22	233.4	217.0	240.7	221.9
12.03.22	232.8	217.0	240.4	221.1
13.03.22	233.0	218.7	241.0	224.3
14.03.22	233.8	217.1	243.4	221.4
15.03.22	232.4	217.1	235.9	222.3
16.03.22	231.6	217.5	235.9	222.2
17.03.22	230.8	219.4	235.9	222.6
18.03.22	232.4	223.5	237.2	226.4
19.03.22	232.6	218.9	237.4	220.2
20.03.22	230.3	218.2	235.0	224.1
21.03.22	229.9	217.2	236.6	220.3
22.03.22	230.0	220.0	235.8	223.3
23.03.22	231.5	218.7	237.7	218.6
24.03.22	229.4	219.4	233.5	220.6
25.03.22	229.8	218.6	234.1	218.7
26.03.22	229.8	219.7	233.8	220.3
27.03.22	229.7	219.5	234.2	222.6
28.03.22	229.2	218.5	235.2	220.2
29.03.22	229.6	218.9	233.0	219.1
30.03.22	230.4	219.4	234.1	219.4
31.03.22	229.7	220.7	233.1	220.0

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

All figures in kV

Date	400kV Bamnauli Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01.03.22	423.0	23:59:58	398.6	10:36:11	413.2
02.03.22	425.4	4:02:55	--	10:28:03	195.6
03.03.22	422.9	0:00:51	397.4	10:37:12	414.5
04.03.22	423.5	4:01:18	396.0	11:50:11	411.8
05.03.22	422.3	21:23:04	399.6	11:35:53	412.0
06.03.22	423.2	4:01:41	401.5	10:48:40	414.8
07.03.22	423.3	4:00:21	398.4	11:06:51	412.8
08.03.22	419.6	16:07:33	208.5	12:08:16	412.5
09.03.22	422.5	17:03:30	397.5	11:33:18	414.2
10.03.22	423.8	23:58:13	395.7	11:36:35	414.6
11.03.22	426.7	4:01:51	397.3	10:34:26	415.3
12.03.22	424.6	4:01:48	395.3	11:09:49	413.5
13.03.22	425.3	17:03:32	401.7	10:48:05	414.6
14.03.22	425.1	4:01:58	396.1	10:39:36	412.6
15.03.22	425.4	17:01:34	398.0	12:15:14	412.7
16.03.22	421.6	17:01:39	400.7	11:54:28	412.5
17.03.22	424.1	16:02:51	401.1	10:31:49	413.5
18.03.22	423.7	4:01:49	410.0	12:42:32	416.8
19.03.22	424.1	4:02:03	400.5	12:11:35	413.1
20.03.22	421.2	4:01:46	400.7	19:11:06	411.9
21.03.22	421.9	4:00:31	397.0	10:14:14	411.4
22.03.22	420.1	23:59:57	401.6	12:10:51	411.9
23.03.22	422.9	4:34:55	400.2	10:48:55	412.3
24.03.22	418.8	4:01:03	403.0	11:22:01	412.1
25.03.22	420.0	7:30:41	402.0	10:55:06	412.7
26.03.22	420.1	6:01:14	403.0	10:41:55	413.2
27.03.22	422.7	4:01:49	406.0	19:07:27	414.7
28.03.22	421.2	4:32:25	403.0	9:38:06	412.4
29.03.22	420.9	4:03:01	400.9	11:36:13	411.5
30.03.22	421.7	4:01:13	402.0	10:39:11	413.1
31.03.22	423.5	3:27:47	405.7	10:51:08	414.0

All figures in kV

Date	400kV Bawana Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01.03.22	421.26	23:59:06	401.65	10:36:11	413.97
02.03.22	423.52	4:01:20	399.68	11:22:47	413.02
03.03.22	423.31	4:01:55	396.79	10:37:04	411.14
04.03.22	423.14	4:01:33	396.16	11:42:18	412.02
05.03.22	423.91	21:23:10	407.02	6:13:40	413.46
06.03.22	422.95	4:01:41	404.25	12:14:35	415.92
07.03.22	420.93	17:01:49	400.65	11:14:18	414.74
08.03.22	423.61	16:30:46	399	10:45:03	411.37
09.03.22	420.77	17:03:35	393.98	11:32:52	411.61
10.03.22	421.77	4:02:18	393.16	11:38:49	412.89
11.03.22	424.85	4:01:25	397.48	11:52:06	414.06
12.03.22	423.45	4:00:50	399.56	11:40:20	413.81
13.03.22	423.82	17:03:04	402.04	10:48:12	414.46
14.03.22	424.2	4:02:43	398.44	12:11:13	412.98
15.03.22	421.81	4:00:28	397.45	12:15:16	411.21
16.03.22	420.66	4:01:42	398.06	11:50:30	411.42
17.03.22	417.86	16:03:00	399.7	10:31:51	409.64
18.03.22	418.13	4:00:23	403.74	13:10:25	411.18
19.03.22	419.1	4:02:10	395.54	12:11:27	408.94
20.03.22	415.62	4:00:13	392.96	19:11:02	407.1
21.03.22	417.78	4:01:32	395.61	10:13:24	408.19
22.03.22	417.73	23:59:51	395.72	19:14:50	407.89
23.03.22	418.71	4:35:00	396.6	18:50:49	409.37
24.03.22	415.76	4:01:27	399.03	18:54:58	409.09
25.03.22	418.39	7:43:03	397.51	10:55:06	410.28
26.03.22	420.23	6:00:56	405.17	19:09:42	412.98
27.03.22	421.08	4:01:47	405.79	19:08:19	414.29
28.03.22	421.57	4:00:24	404.8	19:04:02	412.53
29.03.22	420.28	4:01:46	401.23	19:16:30	411.89
30.03.22	424.01	4:01:16	404.2	19:15:28	414.44
31.03.22	422.35	3:21:20	406.96	19:15:05	414.27

17 DETAILS OF BREAK-DOWNS/TRIPPING DURING THE MONTH OF MARCH 2022

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
1	12.3.22	6:39	INDRAPRASTHA POWER 220/33kV 100MVA Tx-II	12.3.22	7:05	Tripped on E/F , 86, lock out, 33kV Bay no 42, (C Place) also tripped
2	12.3.22	6:39	33kV I/C -I OF 220/33kV 100MVA Tx-I	12.3.22	7:05	Tripped on E/F, 33kV Bay no 42, (C Place) also tripped
3	14.3.22	11:45	220kV BAMNAULI-PAPPANKALAN-II CKT-I	14.3.22	17:55	Tripped on Relay Indication Main-I, C phase, Zone-I. location 9.097 kM, 86 T, 86 ABC, Main-2 R,Y,B, Distance protection . C Phase, Distance 531 meters (Ckt. -II was under shutdown)
4	14.3.22	19:12	66kV I/C-II & I/C-IV at 220kV Najafgarh	14.3.22	20:14	I/C-I & III tripped without indication, 66kV DJB Ckt. -II tripped.
5	14.3.22	19:38	66kV I/C-I & I/C-III at 220kV Najafgarh	14.3.22	19:45	I/C-I & III tripped without indication, 66kV Y Phase CB pole blasted, 66kV DJB ckt.-II.
6	15.3.22	11:50	220kV OKHLA - BTPS CKT.- I	15.3.22	16:33	Tripped on Distance relay, Y phase, Zone-I , 86
7	15.3.22	11:50	OKHLA 220/66 160MVA Trx	15.3.22	16:38	Tripped on 86
8	18.3.22	18:15	220kV BAMNAULI - DIAL CKT-I	18.3.22	20:36	Tripping ckt tripped on E/F, 186AB, Fault location 50.51 kM
9	18.3.22	18:15	220kV BAMNAULI - DIAL CKT-II	18.3.22	19:09	Tripping ckt tripped on E/F, 186AB, Fault location 55.30 kM
10	18.3.22	18:15	VASANT KUNJ 220/66kV 100MVA Tx-III	18.3.22	18:43	Tripped on 86A, B/C operated , inter trip
11	23.3.22	13:29	220kV Narela - Rohtak Road Ckt. -I	23.3.22	16:49	At Narela : RYB Phase, Dist prot, Zone-I.
12	28.3.22	12:55	220kV BAMNAULI-PAPPANKALAN-II CKT-I	28.3.22	14:09	Tripped on At Bamnauli End :- 8.1KA, 5.98 kM, 86ABC, Z-I, B Phase, differential tripp. At PPK-II End :- B phase, differential protection
13	28.3.22	13:45	220kV BAMNAULI-PAPPANKALAN-II CKT-II	28.3.22	15:27	Tripped off at Bamnauli End :- 186 A&B, RYB Phase, 86, 86 ABC, 173.5kM Ay PPK II :- Tripped on RYB Phase, 86 A, 86 B, Z-I
14	28.3.22	15:50	33kV I/C -V of 100MVA-V at OKHLA	28.3.22	16:00	33kV I/C-V tripped on E/F , 33kV Nehru place -iV ckt also tripped .
15	28.3.22	15:50	33kV I/C -III of 100MVA-III at OKHLA	28.3.22	16:03	33kV I/C-III tripped on RYB phase ,86.33kV Nehru place -IV ckt also tripped .
16	29.03.22	14:03	220kV Tugalkabad-Mehrauli ckt-I	29.03.22	19:49	Ckt tripped on Distance protection , Zone-II , Zone-III ,R phase , Dist.11.1km,line differential.
17	29.03.22	14:03	220/66kV , 100 MVA & 160MVA at Mehrauli	29.03.22	14:19	Tr. tripped on E/F.
18	30.3.22	8:44	220/33kV , 100MVA-III at OKHLA	30.3.22	10:10	tripped on 96F,F4 ,F8,F9 , 86 . 33kV Alakananda-I ckt also tripped.
19	30.03.22	9:50	33kV I/C -V , 100MVA-V at OKHLA	30.03.22	15:57	I/C -V made off manually due to R&B phase 33kV Bus Isolator melt, as reported by grid staff.
20	31.3.22	6:18	VASANT KUNJ 66kV VASANT KUNJ D-I CKT	31.3.22	16:45	Tripped on Y Phase , Zone-I y phase CT blast reported
21	31.3.22	18:44	220kV BAMNAULI-NAJAFGARH CKT-I	31.3.22	19:30	Tripped on E/F & 86

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

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