DELHI TRANSCO LTD.

STATE LOAD DISPATCH CENTER

PROGRESS REPORT

****

JANUARY 2023

1 SALIENT FEATURES OF DELHI POWER SYSTEM

Sr. No.	Features	JAN. 2022	JAN. 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)**	**5104**	**5526**
	Date	14.01.2022	06.01.2023
	Time	10.29.36	10.58.58
3	**Peak Demand met (MW)**	**5104**	**5623**
	Date	14.01.2022	06.01.2023
	Time	10.29.36	10.58.58
4	Peak Availability (MW)	4898	5314
5	Shortage (-) / Surplus (+) in MW	(+) 206	(-) 212
6	Percentage Shortage (-) / Surplus (+)	(+) 4.04	(-) 3.84
7	Maximum Energy Consume in a day (Mus)	81.583	89.222
8	Energy Consumed during the month	**2265.969**	**2476.986**
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	0.416	0.344
	TPDDL	0.0092	2.362
	BRPL	0.1031	0.0048
	BYPL	0.0235	0.000
	NDMC	0.000	0.000
	MES	0.000	0.000
	Other Agencies	0.0019	0.0001
	Total	**0.5537**	**2.7109**
10	**Grand Total in Mus**	**0.5537**	**2.7109**

2. PERFORMANCE OF GENERATING STATIONS WITHIN DELHI DURING JANUARY 2023

A) For the month of Jan 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	29.289	1.203	28.086	14.56	30.396
3.	PPCL	53.113	1.665	51.448	21.78	162.502
4.	Bawana	226.108	6.221	219.887	22.10	787.868
5.	Towmcl	14.902	1.945	12.957	--	--
6.	EDWPCL	4.646	0.929	3.717	--	--
7.	DMSWL	15.624	2.101	13.523	--	--
8.	TWEPL	11.059	1.356	9.703	--	--
	TOTAL	**354.741**	**15.544**	**339.197**	--	980.766

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

Power Station	Effective Capacity (MW)	Net Generation in MUs for Jan 2023	Availability (%) for Jan 2023	PLF (%) For Jan 2023	Cumulative Generation in MUs upto Jan 2023 for the year 2022-23	Cumulative Availability in % upto Jan 2023 or the year 2022-23
RPH	135	-0.124	--	--	-1.224	--
GT	270	28.086	30.16	14.56	267.452	31.44
PPCL	330	51.448	90.01	21.78	798.808	90.22
Bawana	1372	219.887	101.57	22.10	2231.984	93.71
Towmcl	16	12.957	--	--	121.941	--
EDWPCL	10	3.717	--	--	16.386	--
DMSWL	24	13.523	--	--	108.958	--
TWEPL	25	9.703	--	--	24.544	--
TOTAL	2182	**339.197**	--	--	**3569.255**	--

3 DETAILS OF OUTAGES OF GENERATING STNS. WITHIN DELHI FOR JANUARY 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	15.01.23	00.16	15.01.23	03.10	Unit tripped due to loss of flame
		20.01.23	12.45	20.01.23	16.00	Unit desynchonized to attend hot spot on 66 kv side bus generator bus conductor(R phase)
		23.01.23	11.48	23.01.23	13.50	Unit tripped due to malfunction of AVR.
2	30	01.01.23	00.00	31.01.23	23.59	Unit out due to generator rotor problem.
3	30	NIL				
4	30	NIL				
5	30	01.01.23	00.00	31.01.23	23.59	Unit is under shutdown due to low demand
6	30	01.01.23	00.00	31.01.23	23.59	Unit is under shutdown due to low demand
STG-1	30	15.01.23	00.16	15.01.23	05.52	Unit tripped due to tripping of GT-1
		20.01.23	12.47	20.01.23	17.17	Unit desynchronized due to desyncronization of GT-1
		23.01.23	11.48	23.01.23	15.00	Unit tripped due to tripping of GT-1
STG-2	30	NIL				
STG-3	30	01.01.23	00.00	16.01.23	17.45	Unit is under shutdown due to low demand
		16.01.23	17.45	29.01.23	09.30	Unit desynchronized for condensor cleaning and to attend long shut down faults.
		29.01.23	09.30	31.01.23	23.59	Unit is under shutdown due to low demand

(C) PRAGATI

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	**104**	01.01.23	00.00	12.01.23	10.27	Unit stopped due to low demand
		12.01.23	18.20	13.01.23	15.32	Unit stopped due to low demand
		14.01.23	06.00	28.01.23	17.05	Unit stopped due to low demand
		28.01.23	21.30	30.01.23	09.00	Unit stopped due to low demand
		30.01.23	15.51	31.01.23	08.55	Unit stopped due to low demand
		31.01.23	17.30	31.01.23	23.59	Unit stopped due to low demand
2	**104**	01.01.23	16.09	05.01.23	15.00	Unit stopped due to low demand
		05.01.23	15.53	05.01.23	17.08	GT#2 tripped on internal fault remained stopped
		05.01.23	21.10	06.01.23	12.00	Unit stopped due to low demand
		07.01.23	15.14	09.01.23	16.06	Unit stopped due to low demand
		10.01.23	17.00	10.01.23	19.46	Unit stopped due to low demand
		10.01.23	22.30	11.01.23	10.36	Unit stopped due to low demand
		18.01.23	19.57	27.01.23	07.10	Unit stopped due to low demand
		31.01.23	17.35	31.01.23	23.59	Unit stopped due to low demand
STG	**122**	01.01.23	02.30	06.01.23	21.35	STG stopped at 02.30 hr due to testing activites of STG
		07.01.23	15.13	09.01.23	21.44	Unit stopped due to low demand
		10.01.23	16.19	11.01.23	17.49	STG stopped at 16.19 hr due to testing activites of STG
		16.01.23	10.35	16.01.23	12.32	STG tripped on internal fault during testing activities remained stopped
		18.01.23	19.57	27.01.23	16.45	Unit stopped due to low demand
		27.01.23	17.30	28.01.23	04.12	STG desynchronized during testing activities
		30.01.23	16.05	30.01.23	19.42	STG desynchronized during testing activities
		31.01.23	17.29	31.01.23	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	04.01.23	08.50	04.01.23	14.18	Unit tripped due to internal fault
2	216	NIL				
3	216	NIL				
4	216	NIL				
STG -1	254	04.01.23	08.50	04.01.23	14.18	1/2 STG taken out due to non-availability of respective GT#1
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 JANUARY 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	10.52.30	41	93	271	18	4	13	12	452	4162	4312	-150	4614	0	4614
2	10.11.49	41	-1	271	18	5	13	12	359	4276	4352	-76	4635	0	4635
3	11.00.47	41	-1	320	16	5	12	0	392	4498	4452	46	4890	0	4890
4	10.46.03	41	-1	345	16	5	19	8	433	4694	4523	171	5127	37	5163
5	10.56.45	41	-1	320	19	5	18	3	405	4842	4763	79	5247	0	5247
6	10.58.58	41	1	319	12	5	9	2	389	5137	4925	212	5526	97	5623
7	10.25.51	41	140	319	13	0	19	8	540	4604	4558	46	5144	0	5144
8	11.25.30	41	-1	267	11	0	18	11	347	4867	4805	62	5214	0	5214
9	10.51.38	42	-1	318	19	3	20	9	410	5075	5218	-143	5485	13	5497
10	10.28.15	41	140	319	20	4	19	12	555	4962	5311	-349	5517	0	5517
11	10.25.00	41	-1	595	19	1	20	0	674	4800	4706	94	5474	0	5474
12	09.39.38	39	142	528	17	6	18	0	750	4428	4417	11	5178	0	5178
13	10.30.40	38	145	320	17	0	19	0	539	4617	4629	-12	5156	0	5156
14	10.08.34	39	152	319	18	5	20	0	553	4240	4365	-125	4793	0	4793
15	10.54.24	40	143	311	19	6	16	9	544	4287	4546	-259	4831	0	4831
16	10.42.36	41	90	320	19	5	20	-2	493	4508	4658	-150	5001	0	5001
17	09.53.39	41	144	320	19	7	19	21	571	4489	4540	-51	5060	2	5062
18	10.00.41	41	145	323	20	0	21	20	570	4558	4649	-91	5128	0	5128
19	09.58.23	41	-1	320	18	5	20	22	425	4459	4545	-86	4884	0	4884
20	10.24.13	40	-1	320	19	5	17	23	423	4520	4550	-30	4943	0	4943
21	10.24.04	40	-1	286	19	4	20	23	391	4137	4054	83	4528	0	4528
22	10.38.54	39	-1	292	19	5	19	23	396	4282	3944	338	4678	0	4678
23	09.54.52	39	-1	313	19	3	21	23	417	4054	4128	-74	4471	0	4471
24	10.24.02	39	0	310	18	5	19	21	412	4088	4002	86	4500	0	4500
25	10.28.30	39	0	313	19	4	20	10	405	4156	4228	-72	4561	0	4561
26	10.16.12	41	0	272	19	7	15	9	363	3635	3634	1	3998	0	3998
27	10.44.12	41	57	279	19	6	20	11	433	4302	4227	75	4735	0	4735
28	10.27.04	40	152	322	17	6	21	23	581	3835	3825	10	4416	0	4416
29	10.26.37	40	149	271	19	5	18	16	518	3959	3923	36	4477	0	4477
30	10.01.23	40	209	280	19	6	19	25	599	4034	3953	81	4633	0	4633
31	09.59.27	40	183	319	18	0	19	21	600	4055	3970	85	4655	0	4655

6 POWER AVAILABILITY- DEMAND POSITION AT THE TIME OF MAXIMUM UNRESTRICTED DEMAND DURING JANUARY 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	10.52.30	41	93	271	18	4	13	12	452	4162	4312	-150	4614	0	4614
2	10.11.49	41	-1	271	18	5	13	12	359	4276	4352	-76	4635	0	4635
3	11.00.47	41	-1	320	16	5	12	0	392	4498	4452	46	4890	0	4890
4	10.46.03	41	-1	345	16	5	19	8	433	4694	4523	171	5127	37	5163
5	10.56.45	41	-1	320	19	5	18	3	405	4842	4763	79	5247	0	5247
6	10.58.58	41	1	319	12	5	9	2	389	5137	4925	212	5526	97	5623
7	10.25.51	41	140	319	13	0	19	8	540	4604	4558	46	5144	0	5144
8	11.25.30	41	-1	267	11	0	18	11	347	4867	4805	62	5214	0	5214
9	10.51.38	42	-1	318	19	3	20	9	410	5075	5218	-143	5485	13	5497
10	10.28.15	41	140	319	20	4	19	12	555	4962	5311	-349	5517	0	5517
11	10.25.00	41	-1	595	19	1	20	0	674	4800	4706	94	5474	0	5474
12	09.39.38	39	142	528	17	6	18	0	750	4428	4417	11	5178	0	5178
13	10.30.40	38	145	320	17	0	19	0	539	4617	4629	-12	5156	0	5156
14	10.08.34	39	152	319	18	5	20	0	553	4240	4365	-125	4793	0	4793
15	10.54.24	40	143	311	19	6	16	9	544	4287	4546	-259	4831	0	4831
16	10.42.36	41	90	320	19	5	20	-2	493	4508	4658	-150	5001	0	5001
17	09.53.39	41	144	320	19	7	19	21	571	4489	4540	-51	5060	2	5062
18	10.00.41	41	145	323	20	0	21	20	570	4558	4649	-91	5128	0	5128
19	09.58.23	41	-1	320	18	5	20	22	425	4459	4545	-86	4884	0	4884
20	10.24.13	40	-1	320	19	5	17	23	423	4520	4550	-30	4943	0	4943
21	10.24.04	40	-1	286	19	4	20	23	391	4137	4054	83	4528	0	4528
22	10.38.54	39	-1	292	19	5	19	23	396	4282	3944	338	4678	0	4678
23	09.54.52	39	-1	313	19	3	21	23	417	4054	4128	-74	4471	0	4471
24	10.24.02	39	0	310	18	5	19	21	412	4088	4002	86	4500	0	4500
25	10.28.30	39	0	313	19	4	20	10	405	4156	4228	-72	4561	0	4561
26	10.16.12	41	0	272	19	7	15	9	363	3635	3634	1	3998	0	3998
27	10.44.12	41	57	279	19	6	20	11	433	4302	4227	75	4735	0	4735
28	10.27.04	40	152	322	17	6	21	23	581	3835	3825	10	4416	0	4416
29	10.26.37	40	149	271	19	5	18	16	518	3959	3923	36	4477	0	4477
30	10.01.23	40	209	280	19	6	19	25	599	4034	3953	81	4633	0	4633
31	09.59.27	40	183	319	18	0	19	21	600	4055	3970	85	4655	0	4655

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

(ALL FIGURES IN MUS)

GENERATION WITHIN DELHI	AVAILABILITY	SCHEDULE
Rajghat Power House	0.000	0.000
Gas Turbine	58.764	28.368
Pragati-I	214.366	51.864
Pragati-III (Bawana)	1007.700	219.832
Rithala	0.000	0.000
Badarpur	0.000	0.000
Renewable (include WTE)	26.938	26.938
TOTAL DELHI GEN.	1307.769	327.002

NAME OF STATION	AVAILABILITY	SCHEDULE
SINGRAULI STPS	97.736	90.698
RIHAND STPS	73.657	66.958
DADRI TPS	341.194	0.000
UNCHAHAR-I TPS	15.974	12.191
UNCHAHAR-II TPS	33.495	25.562
ANTA GPP-GF	32.030	0.000
ANTA GPP-LF	0.000	0.000
ANTA GPP-RF	0.000	0.000
ANTA CRF	0.000	0.000
AURAIYA GPP-GF	56.123	0.000
AURAIYA GPP-LF	0.000	0.166
AURAIYA GPP-RF	0.000	0.023
AURIYA CRF	0.000	0.000
DADRI GPP-GF	74.167	0.000
DADRI GPP-LF	0.000	0.000
DADRI GPP-RF	0.000	0.002
DADRI CRF	0.000	0.000
BAIRASIUL HEP	2.496	2.496
SALAL HEP	8.477	8.477
TANAKPUR HEP	1.628	1.628
CHAMERA HEP	2.759	2.759
URI HEP	8.004	8.004
NATHPA JHAKRI HEP	20.213	20.213
CHAMERA HEP-II	4.421	4.421
RIHAND-II STPS	94.258	87.684
DHAULIGANGA HEP	4.111	4.111
TEHRI HEP	19.622	19.622
UNCHAHAR-III TPS	20.896	15.976

NAME OF STATION	AVAILABILITY	SCHEDULE
DULHASTI HEP	9.034	9.034
DADRI II	528.752	421.681
SEWA-II	2.788	2.788
jhajjar	441.979	340.590
NAPP	33.400	33.400
RAPP C	40.776	40.776
RAPPB_4 C	0.000	0.000
KOTESWAR	10.932	10.932
SASAN	239.597	239.544
CHAMERA III	2.126	2.126
RIHAND3	94.125	88.001
KAHALGAON1	32.333	25.183
KAHALGAON2	97.692	73.582
TALA	0.000	0.000
FARAKA	9.843	9.843
URI 2 HEP	7.491	7.491
Parvati3	1.564	1.564
Koldam	0.165	0.165
SINGRAULI SHEP	0.495	0.495
UNCHAHAR - IV TPS	1.044	0.393
TALCHER (BTPS)	12.984	0.000
Nabinagar STPS(BRBCL)	0.089	9.152
Meja TPS	1.505	1.505
Tanda-II TPS	0.713	0.713
Rampur	0.162	0.162
Kishan Ganag	0.000	0.000
Surya kanta Hydro	0.000	0.000
Nanti Hydro	0.000	0.000
Teranda hydro	0.000	0.000
Ramagundum STPS I&II	4.328	4.328
Ramagundum STPS III	1.427	1.427
TALCHER STPS-II	1.805	1.805
SIMHADRI STPS -II	1.269	1.269
KUDGI STPS -I	5.032	5.032
NLC TPS(II)-1	0.909	0.909
NLC TPS(II)-2	0.633	0.633
NLC TPS(E)-1	1.124	1.124
NLC TPS(E)-2	0.356	0.356
NLC-NNTPS	0.102	0.102
NTECL-Vallur STPS	1.654	1.654
NTPL- TutIcorin	2.632	2.632
NPCIL-MAPS	0.194	0.194

NAME OF STATION	AVAILABILITY	SCHEDULE
NPCIL-KAIGA GS-1&2	1.490	1.490
NPCIL-KAIGA GS-3&4	1.629	1.629
NPCIL-KKNPP-1	1.144	1.144
KSTPS I&II	2.183	2.183
KSTPS7	0.998	0.998
VSTPS I	1.584	1.584
VSTPS II	1.434	1.434
VSTPS III	1.519	1.519
VSTPS IV	1.976	1.976
VSTPS-V	0.988	0.988
KAWAS KGPP	0.000	0.000
GANDHAR GGPP	0.000	0.000
SIPAT I	3.925	3.925
SIPAT II	1.392	1.392
MSTPS-I (MOUDA)	1.441	1.441
MSTPS-II (MOUDA_II)	2.539	2.539
SSTPP(SOLAPUR)	2.007	2.007
GSTPP(GADARWARA-I)	3.183	3.183
LSTPP9LARA-I)	2.785	2.785
KHTPP(KHARGONE-I)	2.558	2.558
KAPP	0.466	0.466
TAPP 3&4 (TAPS-II)	1.542	1.542
TOTAL	**2478.466**	**1687.729**
LTA	**758.079**	**758.079**
TOTAL (ISGS+LTA)	**3236.546**	**2445.809**
TOTAL AVAILABILITY	**4544.314**	**2772.810**

8. SHEDDING DETAILS DURING THE MONTH OF JANUARY 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
01.01.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
02.01.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
03.01.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
04.01.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
05.01.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
06.01.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
07.01.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
08.01.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
09.01.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10.01.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11.01.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12.01.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
13.01.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14.01.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15.01.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
16.01.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17.01.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
18.01.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
19.01.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20.01.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
21.01.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22.01.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
23.01.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
24.01.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25.01.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
26.01.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27.01.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
28.01.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
29.01.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30.01.23	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
31.01.23	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
01.01.23	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
02.01.23	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
03.01.23	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
04.01.23	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
05.01.23	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
06.01.23	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
07.01.23	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
08.01.23	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
09.01.23	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
10.01.23	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
11.01.23	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
12.01.23	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
13.01.23	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
14.01.23	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
15.01.23	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
16.01.23	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
17.01.23	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
18.01.23	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
19.01.23	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
20.01.23	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
21.01.23	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
22.01.23	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
23.01.23	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
24.01.23	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
25.01.23	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
26.01.23	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
27.01.23	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
28.01.23	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
29.01.23	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
30.01.23	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
31.01.23	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
01.01.23	0.0000	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
02.01.23	0.0000	0.0000	0.0012	0.0000	0.0000	0.0000	0.0013	0.0000	0.0000
03.01.23	0.0000	0.0007	0.0100	0.0000	0.0000	0.0000	0.0000	0.4620	0.0000
04.01.23	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0007	0.1414	0.0000
05.01.23	0.0000	0.0000	0.0990	0.0000	0.0000	0.0000	0.0000	0.0032	0.0000
06.01.23	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.6096	0.0000
07.01.23	0.0077	0.0042	0.0017	0.0000	0.0000	0.0000	0.0000	0.1157	0.0000
08.01.23	0.0000	0.0000	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
09.01.23	0.0000	0.0000	0.0004	0.0000	0.0000	0.0000	0.0000	0.0783	0.0000
10.01.23	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0645	0.0000
11.01.23	0.0000	0.0000	0.0134	0.0000	0.0000	0.0000	0.0000	0.0174	0.0000
12.01.23	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
13.01.23	0.0049	0.0000	0.0003	0.0000	0.0000	0.0000	0.0000	0.0248	0.0000
14.01.23	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0129	0.0000
15.01.23	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0256	0.0000
16.01.23	0.0000	0.0232	0.0000	0.0000	0.0000	0.0000	0.0000	0.0158	0.0000
17.01.23	0.0000	0.0000	0.0020	0.0000	0.0000	0.0000	0.0007	0.0655	0.0000
18.01.23	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
19.01.23	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0221	0.0000
20.01.23	0.0000	0.0000	0.0329	0.0000	0.0000	0.0000	0.0000	0.2475	0.0000
21.01.23	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0026	0.0000
22.01.23	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1058	0.0000
23.01.23	0.0000	0.0000	0.0013	0.0000	0.0000	0.0000	0.0007	0.0001	0.0000
24.01.23	0.0000	0.0018	0.0000	0.0000	0.0000	0.0000	0.0000	0.1419	0.0000
25.01.23	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0132	0.0000
26.01.23	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
27.01.23	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0233	0.0000
28.01.23	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0784	0.0000
29.01.23	0.0000	0.0152	0.1031	0.0006	0.0000	0.0000	0.0015	0.0000	0.0000
30.01.23	0.0000	0.0187	0.0009	0.0000	0.0000	0.0000	0.0000	0.0907	0.0000
31.01.23	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0000
TOTAL	0.0126	0.0638	0.2665	0.0006	0.0000	0.0000	0.0048	2.3624	0.0000

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**
01.01.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0001	0.0001
02.01.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0024	0.0024

03.01.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.4727	0.4727
04.01.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.1421	0.1421
05.01.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.1022	0.1022
06.01.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.6096	0.6096
07.01.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.1293	0.1293
08.01.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0003	0.0003
09.01.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0787	0.0787
10.01.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0645	0.0645
11.01.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0308	0.0308
12.01.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0000	0.0000
13.01.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0299	0.0299
14.01.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0129	0.0129
15.01.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0256	0.0256
16.01.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0390	0.0390
17.01.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0682	0.0682
18.01.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0000	0.0000
19.01.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0221	0.0221
20.01.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.2804	0.2804
21.01.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0026	0.0026
22.01.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.1058	0.1058
23.01.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0020	0.0020
24.01.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.1437	0.1437
25.01.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0132	0.0132
26.01.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0000	0.0000
27.01.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0233	0.0233
28.01.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0784	0.0784
29.01.23	0.000	0.000	0.000 1	0.000	0.000	0.000	0.000	0.1206	0.1206
30.01.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.1102	0.1102
31.01.23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0001	0.0001
TOTAL	**0.000**	**0.000**	**0.000 1**	**0.000**	**0.000**	**0.000**	**0.000**	**2.7109**	**2.7109**

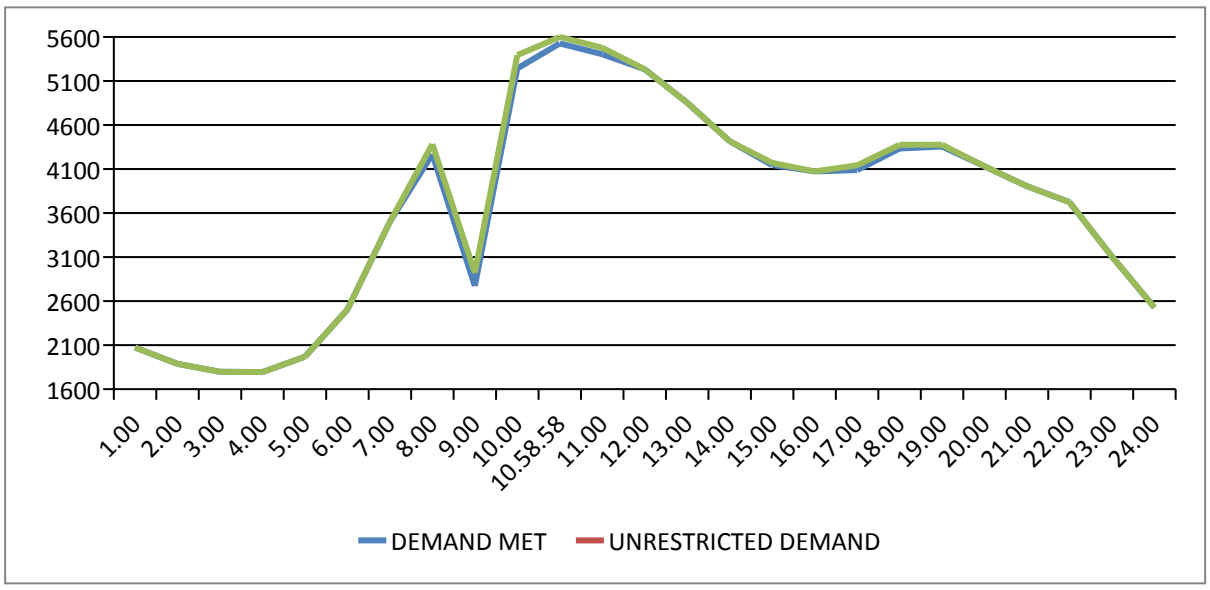
DATE	(NET CONS.)	MAXI. DEMAND MET DURING THE DAY	TIME OF OCCUR-RENCE OF MAX DEMAND	SHEDDING AT THIS TIME	UN-REST-RICTED DEMAND	MAXIMUM UN-REST-RICTED DEMAND DURING THE DAY	TIME OF MAX. UN-REST. DEMAND	DEMAND AT THAT TIME	SHEDDING AT THAT TIME
	In Mus.	IN MW	IN HRS.	IN MW	IN MW	IN MW	HRS.	IN MW	IN MW
1	32	33	34	35	36=33+35	37=39+40	38	39	40
01.01.23	70.938	4614	10.52.30	0	4614	4614	10.52.30	4614	0
02.01.23	75.625	4635	10.11.49	0	4635	4635	10.11.49	4635	0
03.01.23	81.722	4890	11.00.47	0	4890	4890	11.00.47	4890	0

04.01.23	83.672	5126	10.46.03	37	5163	5163	10.46.03	5126	37
05.01.23	85.176	5247	10.56.45	0	5247	5247	10.56.45	5247	0
06.01.23	87.422	5526	10.58.58	97	5623	5623	10.58.58	5526	97
07.01.23	85.226	5144	10.25.51	0	5144	5144	10.25.51	5144	0
08.01.23	81.867	5214	11.25.30	0	5214	5214	11.25.30	5214	0
09.01.23	88.235	5485	10.51.38	13	5498	5498	10.51.38	5485	13
10.01.23	89.222	5516	10.28.15	0	5516	5516	10.28.15	5516	0
11.01.23	88.630	5474	10.25.00	0	5474	5474	10.25.00	5474	0
12.01.23	84.965	5178	09.39.38	0	5178	5178	09.39.38	5178	0
13.01.23	83.551	5156	10.30.40	0	5156	5156	10.30.40	5156	0
14.01.23	78.672	4793	10.08.34	0	4793	4793	10.08.34	4793	0
15.01.23	77.884	4831	10.54.24	0	4831	4831	10.54.24	4831	0
16.01.23	83.772	5001	10.42.36	0	5001	5001	10.42.36	5001	0
17.01.23	84.776	5060	09.53.39	2	5062	5062	09.53.39	5060	2
18.01.23	85.971	5130	10:00:41	0	5130	5130	10:00:41	5130	0
19.01.23	82.554	4884	9:58:23	0	4884	4884	9:58:23	4884	0
20.01.23	81.317	4943	10:24:13	0	4943	4943	10:24:13	4943	0
21.01.23	76.222	4528	10:24:04	0	4528	4528	10:24:04	4528	0
22.01.23	73.253	4678	10:38:54	0	4678	4678	10:38:54	4678	0
23.01.23	74.477	4471	9:54:52	0	4471	4471	9:54:52	4471	0
24.01.23	75.765	4500	10:24:02	0	4500	4500	10:24:02	4500	0
25.01.23	76.050	4561	10:28:30	0	4561	4561	10:28:30	4561	0
26.01.23	65.166	3997	10:16:12	0	3997	3997	10:16:12	3997	0
27.01.23	75.635	4735	10:44:12	0	4735	4735	10:44:12	4735	0
28.01.23	73.319	4416	10:27:04	0	4416	4416	10:27:04	4416	0
29.01.23	71.481	4477	10:26:37	0	4477	4477	10:26:37	4477	0
30.01.23	76.658	4633	10:01:23	0	4633	4633	10:01:23	4633	0
31.01.23	77.763	4655	9:59:27	0	4655	4655	9:59:27	4655	0
TOTAL	2476.986	**5526**	10.58.58	97	**5623**	**5623**	10.58.58	**5526**	97
		06.01.23			**06.01.23**				

9. LOAD PATTERN OF DELHI ON THE DAY OF PEAK DEMAND MET DURING JANUARY 2023 ON 06.01.2023 - 5526MW AT 10.58.58HRS.

All figures in MW

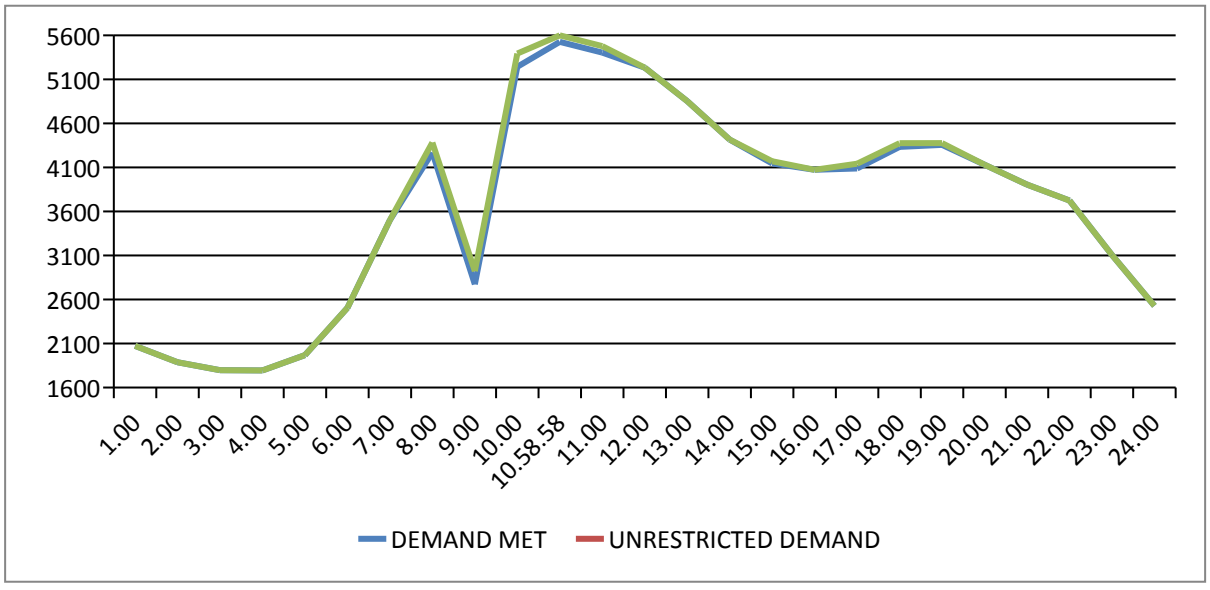
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	2073	0	2073
2.00	1887	0	1887
3.00	1797	0	1797
4.00	1794	0	1794
5.00	1968	0	1968
6.00	2505	0	2505
7.00	3501	0	3501
8.00	4269	113	4382
9.00	2772	149	2921
10.00	5243	150	5393
10.58.58	5526	97	5623
11.00	5404	74	5478
12.00	5233	0	5233
13.00	4853	0	4853
14.00	4416	0	4416
15.00	4145	25	4170
16.00	4073	0	4073
17.00	4088	54	4142
18.00	4333	42	4375
19.00	4356	20	4376
20.00	4131	0	4131
21.00	3905	0	3905
22.00	3724	0	3724
23.00	3106	0	3106
24.00	2528	0	2528
Total (IN MUS)	**87.422**	**0.610**	**88.0316**



10 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UN-RESTRICTED DEMAND DURING JANUARY 2023 ON 04.102.2021-4990MW AT 16.17.48HRS.

All figures in MW

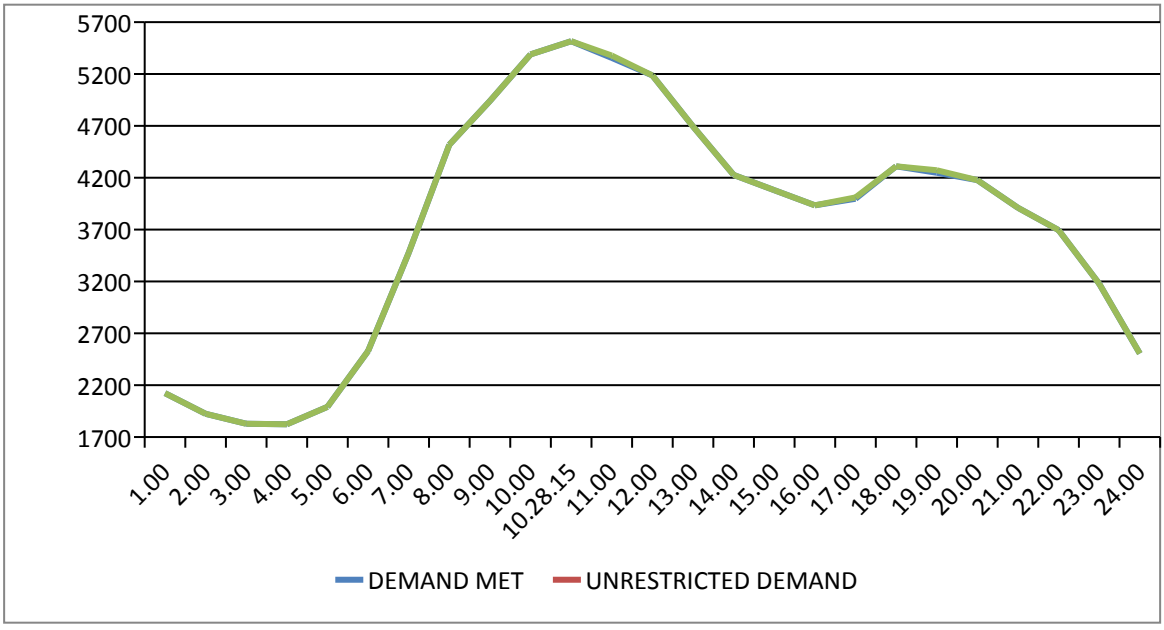
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	2073	0	2073
2.00	1887	0	1887
3.00	1797	0	1797
4.00	1794	0	1794
5.00	1968	0	1968
6.00	2505	0	2505
7.00	3501	0	3501
8.00	4269	113	4382
9.00	2772	149	2921
10.00	5243	150	5393
10.58.58	5526	97	5623
11.00	5404	74	5478
12.00	5233	0	5233
13.00	4853	0	4853
14.00	4416	0	4416
15.00	4145	25	4170
16.00	4073	0	4073
17.00	4088	54	4142
18.00	4333	42	4375
19.00	4356	20	4376
20.00	4131	0	4131
21.00	3905	0	3905
22.00	3724	0	3724
23.00	3106	0	3106
24.00	2528	0	2528
Total (IN MUS)	**87.422**	**0.610**	**88.0316**



11 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM ENERGY CONSUMED DURING JANUARY 2023 – 10.01.2023 – 89.222Mus

All figures in MW

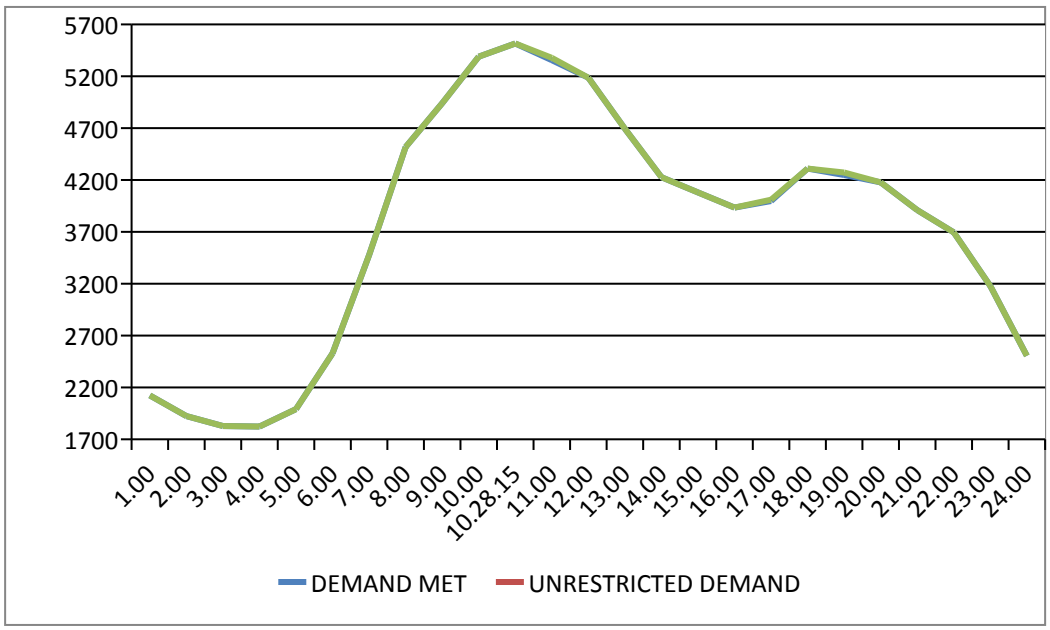
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	2123	0	2123
2.00	1924	0	1924
3.00	1828	0	1828
4.00	1823	0	1823
5.00	1991	0	1991
6.00	2529	0	2529
7.00	3476	0	3476
8.00	4518	0	4518
9.00	4940	0	4940
10.00	5389	0	5389
10.28.15	5516	0	5516
11.00	5355	22.7	5377.7
12.00	5186	0	5186
13.00	4694	0	4694
14.00	4227	0	4227
15.00	4080	0	4080
16.00	3934	0	3934
17.00	3997	13	4010
18.00	4310	0	4310
19.00	4248	24	4272
20.00	4177	0	4177
21.00	3910	0	3910
22.00	3695	0	3695
23.00	3178	0	3178
24.00	2505	0	2505
Total (IN MUS)	**89.222**	**0.064**	**89.286**



12 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UNRESTRICTED ENERGY DEMAND DURING JANUARY 2023 - ON 10.01.2023- 89.286MUs

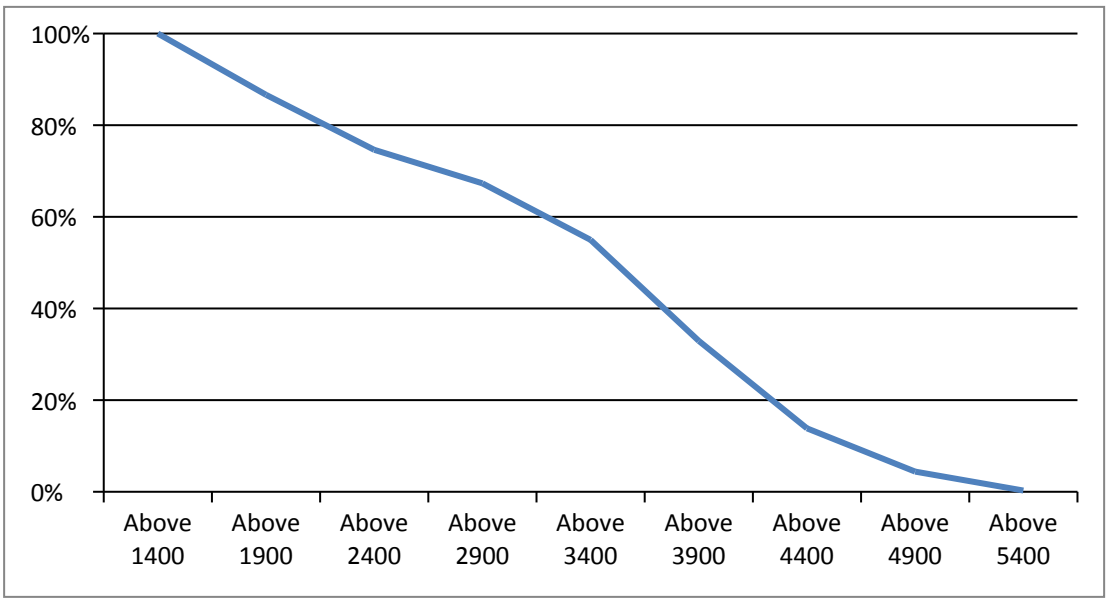
All figures in MW

Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	2123	0	2123
2.00	1924	0	1924
3.00	1828	0	1828
4.00	1823	0	1823
5.00	1991	0	1991
6.00	2529	0	2529
7.00	3476	0	3476
8.00	4518	0	4518
9.00	4940	0	4940
10.00	5389	0	5389
10.28.15	5516	0	5516
11.00	5355	22.7	5377.7
12.00	5186	0	5186
13.00	4694	0	4694
14.00	4227	0	4227
15.00	4080	0	4080
16.00	3934	0	3934
17.00	3997	13	4010
18.00	4310	0	4310
19.00	4248	24	4272
20.00	4177	0	4177
21.00	3910	0	3910
22.00	3695	0	3695
23.00	3178	0	3178
24.00	2505	0	2505
Total (IN MUS)	**89.222**	**0.064**	**89.286**



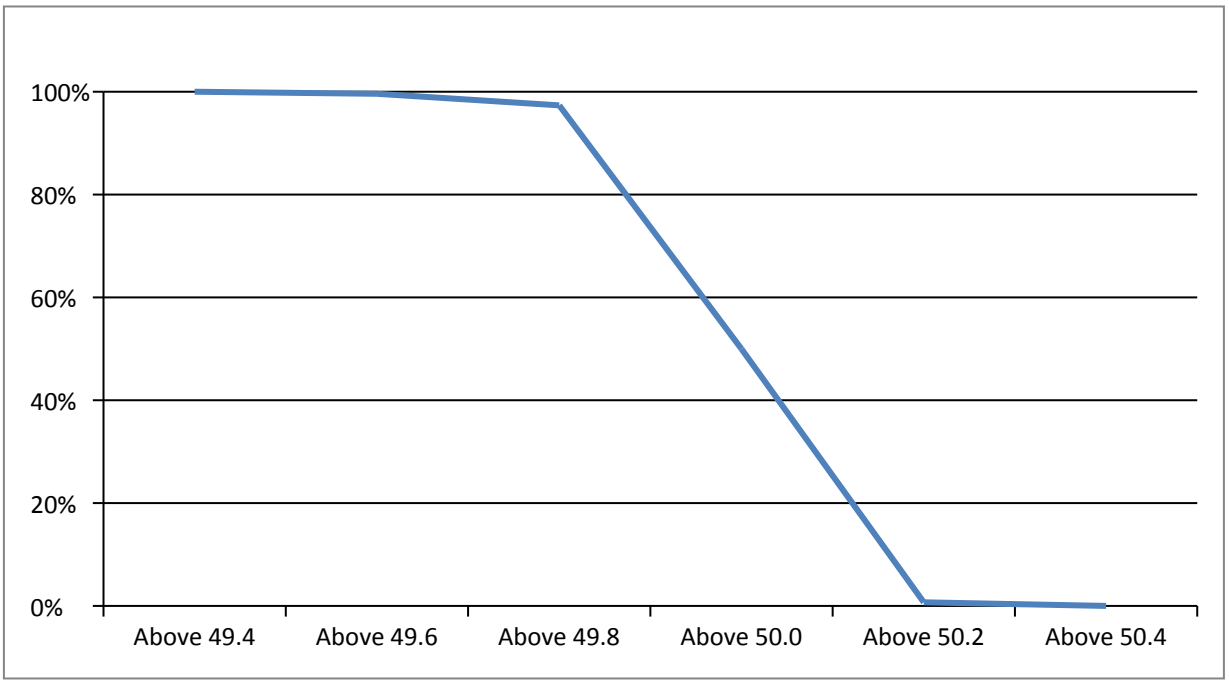
13 LOAD DURATION CURVE FOR JANUARY 2023

LOAD REMAINED ABOVE IN MW	(%) OF TIME
Above 1400	100%
Above 1900	86.63%
Above 2400	74.63%
Above 2900	67.31%
Above 3400	54.97%
Above 3900	32.93%
Above 4400	13.84%
Above 4900	4.40%
Above 5400	0.27%



14 FREQUENCY ANALYSIS FOR THE MONTH OF JANUARY 2023

FREQUENCY REMAINED ABOVE IN HZ	(%) OF TIME
Above 49.4	100%
Above 49.6	99.60%
Above 49.8	97.35%
Above 50.0	49.97%
Above 50.2	0.70%
Above 50.4	0.00%



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

All figures in kV

Date	NARELA		GAZIPUR	
	Max	Min	Max	Min
01.01.23	233.19	218.93	235.57	222.59
02.01.23	233.75	215.27	235.76	221.83
03.01.23	232.22	215.69	234.95	219.61
04.01.23	232.64	215.71	234.81	220.63
05.01.23	232.24	215.74	234.24	219.3
06.01.23	231.9	217.73	233.92	220.36
07.01.23	233.54	216.03	234.27	220.15
08.01.23	233.78	218.7	234.62	222.62
09.01.23	234.49	217.52	236.69	219.32
10.01.23	233.19	216.22	235.22	217.9
11.01.23	231.71	213.27	233.84	217.85
12.01.23	231.72	217.65	234.72	222.07
13.01.23	231.77	217.96	234.66	222.19
14.01.23	232.37	218.01	236.57	221.43
15.01.23	231.55	220.08	235.85	224.28
16.01.23	232.98	216.17	235.13	221.07
17.01.23	232.31	217.65	234.26	222.22
18.01.23	232.1	216.83	236.1	222.28
19.01.23	232.44	217.93	235.53	224.02
20.01.23	233.14	217.3	235.19	222.12
21.01.23	232.86	217.68	235.88	223.04
22.01.23	233.01	218.1	236.54	224.04
23.01.23	232.85	217.38	235.58	222.75
24.01.23	233.09	218.62	235.28	223.91
25.01.23	232.46	217.82	234.58	223.34
26.01.23	233.96	222.61	238.89	227.04
27.01.23	234.21	216.56	236.24	221.66
28.01.23	233.6	217.93	236.05	223.75
29.01.23	232.66	218.78	236.44	224.49
30.01.23	234.59	220.99	234.1	222.8
31.01.23	233.46	220.1	234.21	220.74

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

All figures in kV

Date	400kV Bamnauli Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01.01.23	424.12	4:01:38	398.5	9:23:14	414.01
02.01.23	425.7	4:01:50	397.57	11:08:31	411.87
03.01.23	423.72	2:00:56	392.96	9:07:06	411.79
04.01.23	424.37	4:02:15	396.49	10:17:44	411.49
05.01.23	423.14	2:01:49	396.22	10:48:54	411.14
06.01.23	423.32	2:05:49	398.66	9:09:07	411.24
07.01.23	426.77	4:01:46	395.85	11:53:32	412.46
08.01.23	425.9	4:00:56	402.94	10:15:13	414.99
09.01.23	427.42	4:00:14	398.87	10:43:02	412.36
10.01.23	425.14	4:00:43	395.5	10:53:53	413.16
11.01.23	422.68	17:02:08	386.64	12:10:44	411.78
12.01.23	425.25	17:02:37	397.87	10:17:47	411.64
13.01.23	420.47	17:03:03	396.94	9:07:53	409.7
14.01.23	424.19	17:02:38	394.27	11:48:03	410.38
15.01.23	423.95	17:03:35	399.29	9:12:28	411.85
16.01.23	422.83	4:01:22	394.92	11:14:17	410.76
17.01.23	421.52	4:02:51	395.12	9:15:02	409.23
18.01.23	423.92	17:02:15	395.45	9:06:10	410.53
19.01.23	421.81	4:01:48	399.46	8:34:26	410.71
20.01.23	421.85	4:01:22	395.86	7:27:48	409.75
21.01.23	423.8	17:03:59	397.21	10:09:58	411.48
22.01.23	421.62	4:01:51	399.01	9:35:33	412.22
23.01.23	421.94	4:01:27	399.7	9:02:02	411.47
24.01.23	421.29	4:02:20	398.37	8:46:14	410.88
25.01.23	420.16	4:01:09	396.07	10:10:26	411.07
26.01.23	425.31	17:02:10	404.04	9:07:21	414.86
27.01.23	423.38	4:01:43	395.8	11:23:24	411.24
28.01.23	424.02	4:01:24	397.28	9:07:50	412.01
29.01.23	423.54	16:03:31	399.66	10:16:43	414.01
30.01.23	423.95	4:02:14	400.57	9:07:45	414.03
31.01.23	425.4	4:02:40	398.12	8:36:22	413.13

All figures in kV

Date	400kV Bawana Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01.01.23	422.77	23:57:57	398.5	12:17:56	412.83
02.01.23	422.95	0:00:38	394.53	12:23:07	410.9
03.01.23	423.65	2:47:08	395.2	9:08:22	410.31
04.01.23	419.45	4:02:18	395.65	11:16:26	409.1
05.01.23	421.02	2:01:43	395.65	10:48:57	410.31
06.01.23	421.56	2:05:56	399.4	9:09:23	409.88
07.01.23	423.12	4:01:47	395.96	11:53:28	411.23
08.01.23	424.13	4:00:39	399.44	12:04:42	413.1
09.01.23	424.48	3:03:16	396.56	11:17:11	410.69
10.01.23	422.28	2:03:35	393.8	10:53:53	410.21
11.01.23	419.14	4:00:02	387.1	11:54:36	409.02
12.01.23	420.11	17:02:34	397.81	10:22:50	409.29
13.01.23	418.12	3:43:53	397.88	13:43:27	408.74
14.01.23	420.26	17:02:50	396.34	10:46:31	409.59
15.01.23	422.38	17:03:34	399.51	11:51:08	411.33
16.01.23	421.86	4:01:26	393.45	11:23:10	409.78
17.01.23	420.09	4:03:51	395.06	11:29:04	408.97
18.01.23	420.47	17:02:05	397.44	9:45:21	409.45
19.01.23	419.69	4:01:47	398.88	9:37:45	409.62
20.01.23	420.22	4:01:21	395.73	10:30:10	408.61
21.01.23	420.89	4:01:49	396.69	10:09:19	410.27
22.01.23	418.35	4:01:44	399.37	9:37:27	410.22
23.01.23	419.02	4:01:47	394.28	11:17:26	409.01
24.01.23	419.76	4:02:21	399.99	10:09:23	409.91
25.01.23	417.33	4:01:07	237.24	19:31:50	375.25
26.01.23	246.38	16:04:43	235.93	18:49:03	240.85
27.01.23	420.17	16:06:27	230.19	11:14:20	329
28.01.23	421.52	4:01:30	399.68	9:09:38	411.85
29.01.23	422.22	16:03:07	400.9	10:16:46	413.67
30.01.23	423.2	4:02:28	402.99	9:07:58	413.83
31.01.23	423.08	4:02:11	400.17	8:35:56	413.09

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

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
1	01.01.23	7:35	SHALIMAR BAGH 33/11kV, 20MVA Tx	01.01.23	11:52	86, BUCHHOLZ.
2	02.01.23	1:16	220kV MAHARANI BAGH - SARITA VIHAR CKT	02.01.23	11:53	AT SARITA VIHAR : DIST PROT, ZONE-I, DIST 8.865KM, 86A&B. AT AT MAHARANI BAGH : DIST PROT, ZONE-I, Y PHASE, DIST 8.3KM.
3	02.01.23	21:54	220kV MAHARANI BAGH - SARITA VIHAR CKT	02.01.23	23:37	AT SARITA VIHAR : DIST PROT, ZONE-I, DIST 0.4KM. AT MAHARANI BAGH : DIST PROT, ZONE-II, DIST 9.3KM.
4	03.01.23	1:22	MEHRAULI 220/66kV 160MVA Tx-I	03.01.23	4:05	TR. TRIPPED ON 195, 86 I/C TRIPPED ON O/C, E/F, Y PHASE.
5	03.01.23	1:22	MEHRAULI 220/66kV 100MVA Tx-II	03.01.23	13:07	TR. TRIPPED ON 195, 86 I/C TRIPPED ON O/C, E/F, Y PHASE.
6	04.01.23	22:50	SUBZI MANDI 220/33kV 100MVA Tx-I	CONTD.		DIFFERENTIAL, HV & LV REF.
7	05.01.23	9:05	KANJHAWALA 220/66kV 100MVA Tx-I	05.01.23	10:30	I/C TRIPPED ON O/C, E/F, 86
8	05.01.23	9:05	KANJHAWALA 220/66kV 160MVA Tx-I	05.01.23	10:07	I/C TRIPPED O O/C, E/F, 86, 50/51G
9	05.01.23	9:20	ROHINI 220/66kV 100MVA Tx-IV	05.01.23	9:26	I/C TRIPPED ON O/C, Y & B PHASE, 86.
10	05.01.23	9:20	ROHINI 220/66kV 100MVA Tx-III	05.01.23	9:26	I/C TRIPPED ON O/C, 86, Y PHASE.
11	07.01.23	5:51	PAPPANKALAN-I 66/11kV, 20MVA Tx-I	07.01.23	13:46	BUCHHOLZ
12	07.01.23	15:22	INDRAPRASTHA POWER 220/33kV 100MVA Tx-I	08.01.23	20:57	TR. TRIPPED ON O/C, E/F HV SIDE AND O/C, E/F LV SIDE.
13	07.01.23	15:22	INDRAPRASTHA POWER 220/33kV 100MVA Tx-II	07.01.23	16:20	I/C-II TRIPPED ON O/C, E/F LV SIDE.
14	08.01.23	15:40	SUBZI MANDI 33/11kV, 16MVA Tx-I	08.01.23	17:30	RYB PHASE, 86, O/C.
15	08.01.23	15:40	SUBZI MANDI 33/11kV, 16MVA Tx-II	16.01.23	10:58	SMOKE APPEARED IN 11KV PANEL.
16	08.01.23	22:10	SARITA VIHAR 220/66kV 160MVA TR. -I	08.01.23	23:58	220KV CB GONE IN LOCK OUT.
17	10.01.23	10:35	LODHI RD 33/11kV, 20MVA Tx-II	10.01.23	15:53	DIFFERENTIAL, RYB PHASE, 86A.
18	11.01.23	17:25	KANJHAWALA 66/11kV, 20MVA Tx-II	12.01.23	17:45	O/C, 86, RYB PHASE.
19	11.01.23	17:40	KANJHAWALA 66/11kV, 20MVA Tx-I	11.01.23	18:25	O/C, 86.
20	12.01.23	6:51	220kV Harsh Vihar - Preet Vihar Ckt-II	12.01.23	9:38	AT PREET VIHAR : 86A&B, FAULT PHASE C.
21	12.01.23	16:36	GOPALPUR 33/11kV, 16MVA Tx-I	12.01.23	17:32	DIFFERENTIAL TRIP, RYB PHASE, LB TRIP.
22	15.01.23	9:20	DSIIDC Bawana 220/66kV 100MVA Tx-II	15.01.23	15:36	BREAKER LOCK OUT, CIRCUIT BREAKER SF-6 GAS PRESSURE LOW, TRIP CIRCUIT-I & II FAULTY.
23	16.01.23	8:49	OKHLA 220/66kV 100MVA Tx-II	16.01.23	9:15	66KV I/C TRIPPED ON O/C, R PHASE.
24	16.01.23	8:49	OKHLA 220/66 160MVA Trx	16.01.23	9:15	66KV I/C TRIPPED ON O/C, R PHASE.
25	17.01.23	15:47	RAJGHAT 220/33kV 100MVA Tx-I	17.01.23	18:20	86
26	18.01.23	0:24	KANJHAWALA 220/66kV 100MVA Tx-II	18.01.23	8:40	TR. TRIPPED ON COMPRESSOR PROBLEM, AIR PRESSURE LOW
27	18.01.23	19:10	LODHI RD 220/33kV 100MVA TR. -III	19.01.23	11:23	86
28	19.01.23	14:16	220kV PRAGATI - SARITA VIHAR CKT -I	19.01.23	16:15	AT SARITA VIHAR : DIST PROT, ZONE-I, DIST 3.41KM. AT PRAGATI : DIST PROT, ZONE-I ,DIST 9.062KM, 186.
29	20.01.23	10:30	KANJHAWALA 220/66kV 160MVA Tx-I	20.01.23	11:16	MASTER RELAY.
30	20.01.23	23:14	220kV GOPALPUR- MANDOLACKT-I	21.01.23	10:15	EARTH WIRE WAS BROKEN NEAR POLICE CHOWKI SANGAM VIHAR GALI NO. 03 HOWEVER CKTS WAS NOT TRIPPED .
31	20.01.23	23:11	220kV GOPALPUR- MANDOLACKT-II	21.01.23	10:15	EARTH WIRE WAS BROKEN NEAR POLICE CHOWKI SANGAM VIHAR GALI NO. 03 HOWEVER CKTS WAS NOT TRIPPED .
32	23.01.23	19:33	220kV GOPALPUR- MANDOLACKT-I	23.01.23	21:27	AT GOPALPUR :SUPPLY FAILED FROM MANDOLA.
33	24.01.23	5:38	KANJHAWALA 66/11kV, 20MVA Tx-I	24.01.23	12:25	86, MASTER RELAY.
34	24.01.23	14:35	LODHI RD 220/33kV 100MVA TR. -III	24.01.23	14:45	33KV I/C-III TRIPPED ON 86A&B.
35	26.01.23	17:14	GAZIPUR 220/66kV 160MVA Tx-I	26.01.23	18:56	OVERFLUX
36	29.01.23	15:50	220kV MAHARANIBAGH-MASJID MOTH CKT-I	13.02.23	13:58	AT MAHARANI BAGH : IT IS REPORTED THAT 220KV CABLE CAUGHT FIRE NEAR BARAPULA NALA, 220KV MAHARANIBAGH - MASJID MOTH CKT. -I & II AND 220KV MAHARANIBAGH - TRAUMA CENTRE CKT. -I & II MADE OFF FROM MAHARANI BAGH.

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
37	29.01.23	15:50	220kV MAHARANIBAGH-MASJID MOTH CKT-II			AT MAHARANI BAGH : IT IS REPORTED THAT 220KV CABLE CAUGHT FIRE NEAR BARAPULA NALA, 220KV MAHARANIBAGH - MASJID MOTH CKT. -I & II AND 220KV MAHARANIBAGH - TRAUMA CENTRE CKT. -I & II MADE OFF FROM MAHARANI BAGH.
38	29.01.23	15:50	220kV MAHARANIBAGH-TRAUMA CENTER CKT-I	20.02.23	12:44	AT MAHARANI BAGH : IT IS REPORTED THAT 220KV CABLE CAUGHT FIRE NEAR BARAPULA NALA, 220KV MAHARANIBAGH - MASJID MOTH CKT. -I & II AND 220KV MAHARANIBAGH - TRAUMA CENTRE CKT. -I & II MADE OFF FROM MAHARANI BAGH.
39	29.01.23	15:50	220kV MAHARANIBAGH -TRAUMA CENTER CKT-II			AT MAHARANI BAGH : IT IS REPORTED THAT 220KV CABLE CAUGHT FIRE NEAR BARAPULA NALA, 220KV MAHARANIBAGH - MASJID MOTH CKT. -I & II AND 220KV MAHARANIBAGH - TRAUMA CENTRE CKT. -I & II MADE OFF FROM MAHARANI BAGH.
40	29.01.23	16:33	PATPARGANJ 220/66kV 100MVA Tx-II	31.01.23	18:00	E/F, O/C
41	29.01.23	23:18	NARAINA 33/11kV, 16MVA Tx-I	30.01.23	18:36	86, RYB PHASE.
42	30.01.23	8:26	OKHLA 220/33kV 100MVA Tx-IV	30.01.23	15:25	86, DIFFERENTIAL, RYB PHASE.
43	30.01.23	17:50	PAPPANKALAN-I 220/66kV 100MVA Tx-II	30.01.23	18:40	O/C, Y&B PHASE.
44	30.01.23	17:50	PAPPANKALAN-I 220/66kV 100MVA Tx-III	30.01.23	18:40	O/C, Y&B PHASE.
45	30.01.23	23:14	PEERA GARHI 220/33kV 100MVA Tx-I	30.01.23	18:36	86A&B
46	31.01.23	0:51	220kV BAMNAULI - DIAL CKT-II	31.01.23	18:31	AT BAMNAULI : 186A&B, DIST PROT, ZONE-II, DIST 14.86KM.

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

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