DELHI TRANSCO LTD.

STATE LOAD DISPATCH CENTER

PROGRESS REPORT

****

FEBRUARY 2024

1 SALIENT FEATURES OF DELHI POWER SYSTEM

Sr. No.	Features	FEB. 2023	FEB. 2024
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	25
	Total	**2181**	**2181**
2	**Maximum Unrestricted Demand (MW)**	**4667**	**5406**
	Date	01.02.23	02.02.24
	Time	09.59.26	10.40.05
3	**Peak Demand met (MW)**	**4667**	**5406**
	Date	01.02.23	02.02.24
	Time	09.59.26	10.40.05
4	Peak Availability (MW)	4792	5436
5	Shortage (-) / Surplus (+) in MW	(+) 125	(+) 25
6	Percentage Shortage (-) / Surplus (+)	(+) 2.68	(+) 0.55
7	Maximum Energy Consume in a day (Mus)	77.505	87.553
8	Energy Consumed during the month	**1919.941**	**2184.013**
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	0.064	0.031
	TPDDL	1.705	0.032
	BRPL	0.007	0.066
	BYPL	0.017	0.015
	NDMC	0.000	0.000
	MES	0.000	0.000
	Other Agencies	0.000	0.530
	Total	**1.794**	**0.674**
10	**Grand Total in Mus**	**1.794**	**0.674**

2. PERFORMANCE OF GENERATING STATIONS WITHIN DELHI DURING FEBRUARY 2024

A) For the month of February 2024

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	0.116	-0.116	--	--
2.	GT	15.672	0.850	14.822	76.40	31.037
3.	PPCL	25.539	0.680	24.859	104.39	165.467
4.	Bawana	236.401	7.660	228.741	81.14	410.36
	TOTAL	**277.612**	**9.306**	**268.306**	--	**606.864**

WASTE TO ENERGY GENERATING PLANTS WITHIN DELHI

S. No	Stations	Gross Generation	Aux. Consumption	Net Generation
5.	Towmcl	11.259	2.240	9.019
6.	EDWPCL	5.295	0.807	4.488
7.	DMSWL	13.614	2.039	11.575
8.	TWEPL	16.002	1.741	14.261
	TOTAL	**46.17**	**6.827**	**39.343**

B) For the Year 2023-24 (Upto February 2024)

Power Station	Effective Capacity (MW)	Net Generation in MUs for Feb 2024	Availability (%) for Feb 2024	Cumulative Generation in MUs upto Feb 2024 for the year 2023-24	Cumulative Availability in % upto Feb 2024 for the year 2023-24
RPH	135	-0.116	--	-1.216	--
GT	90	14.822	76.40	217.471	82.80
PPCL	330	24.859	104.39	705.592	98.78
Bawana	1372	228.741	81.14	2266.495	92.10
TOTAL	1927	**268.306**	--	3188.342	**--**

WASTE TO ENERGY GENERATING PLANTS WITHIN DELHI

Power Station	Effective Capacity (MW)	Net Generation in MUs for Feb 2024	Cumulative Generation in MUs upto Feb 2024 for the year 2023-24
Towmcl	16	9.019	131.166
EDWPCL	10	4.488	41.928
DMSWL	24	11.575	130.884
TWEPL	25	14.261	178.01
TOTAL	**75**	**39.343**	**481.988**

3 DETAILS OF OUTAGES OF GENERATING STNS. WITHIN DELHI FOR FEBRUARY 2024

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	01.02.24	00.00	18.02.24	20.00	Unit stopped due to less demand from SLDC
		18.02.24	20.00	29.02.24	23.59	Not available due to fire incident in cable trench.
2	30	NIL				
3	30	NIL				
4	30	NIL				
5	30	01.02.24	00.00	18.02.24	20.00	Unit stopped due to less demand from SLDC
		18.02.24	20.00	29.02.24	23.59	Not available due to fire incident in cable trench.
6	30	01.02.24	00.00	01.02.24	15.18	Unit stopped due to less demand from SLDC
		09.02.24	12.20	09.02.24	14.05	Unit tripped due to heavy jerk observed at GT control room. Both 160 MVA Transformers tripped.
		18.02.24	19.13	20.02.24	23.59	Unit triipped as ACW operation was not possible due to fire incident in cable trench.
STG-1	30	NIL				
STG-2	30	NIL				
STG-3	30	01.02.24	00.00	01.02.24	17.37	STG#3 stopped due to TAD high on GT#6.
		09.02.24	12.20	09.02.24	16.50	STG#3 tripped due to heavy jerk observed at GT control room .Both 160 MVA Transformers tripped.
		10.02.24	00.50	10.02.24	16.41	STG#3 tripped due to following relays operated : Gen class-A,Group-1 tripped relay,86GA-1.
		18.02.24	18.53	29.02.24	23.59	STG#3 tripped on low vaccume as CW-3 tripped due to fire incident in cable trench.

(C) PRAGATI

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	104	04.02.24	02.00	29.02.24	23.59	Unit stopped due to less demand from SLDC
2	104	05.02.24	12.30	29.02.24	23.59	Unit stopped due to less demand from SLDC
STG	122	05.02.24	1230	29.02.24	23.59	Unit stopped due to less demand from SLDC

(D) BAWANA CCGT POWER STATION

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	216	01.02.24	0:00	03.02.24	0:00	Planned Outage: Boroscopic inspection from 30.01.2024
		04.02.24	0:00	08.02.24	14:30	Forced Outage: Due to inlet air filter DP high
		14.02.24	9:30	15.02.24	23:59	Forced Outage: Due to inlet air filter DP high
		24.02.24	13:30	27.02.24	21:00	Forced Outage: Due to GTGT#1 transformer tripped on buchholz protection.
2	216	01.02.24	0:00	01.02.24	20:58	Planned Outage: Offline compressor washing and GE inspection from 28.01.2024
		06.02.24	10:12	06.02.24	20:12	Forced Outage: Due to BUS-II jumper y-phase of Bay No. 413 snapped and BUS-I R-phase jumper BPI damaged. Both the Bus became dead.
3	216	01.02.24	0:00	03.02.24	0:00	Forced Outage: Due to internal fault (Inlet air filter DP high) from 30.01.2024
		06.02.24	10:12	07.02.24	1:30	Forced Outage: Due to BUS-II jumper y-phase of Bay No. 413 snapped and BUS-I R-phase jumper BPI damaged. Both the Bus became dead.
4	216	01.02.24	0:00	02.02.24	17:00	Forced Outage: Due to supply fault. Both the Bus became dead from 31.01.2024
		06.02.24	10:12	07.02.24	1:30	Forced Outage: Due to BUS-II jumper y-phase of Bay No. 413 snapped and BUS-I R-phase jumper BPI damaged. Both the Bus became dead.
STG -1	254	01.02.24	0:00	03.02.24	0:00	1/2 STG Due to outage of GT#1
		01.02.24	0:00	01.02.24	20:58	1/2 STG Due to outage of GT#2
		04.02.24	0:00	08.02.24	14:30	1/2 STG Due to outage of GT#1
		06.02.24	10:12	07.02.24	1:07	1/2 STG Due to BUS-II jumper y-phase of Bay No. 413 snapped and BUS-I R-phase jumper BPI damaged. Both the Bus became dead.
		13.02.24	18:43	13.02.24	20:50	Due to turbine protection 3 C&I malfunctioning
		14.02.24	9:30	15.02.24	23:59	1/2 STG Due to outage of GT#1
		24.02.24	13:30	27.02.24	21:00	1/2 STG Due to outage of GTGT#1.
STG -2	254	01.02.24	0:00	03.02.24	0:00	1/2 STG Due to outage of GT#3
		01.02.24	0:00	02.02.24	17:00	1/2 STG Due to supply fault. Both the Bus became dead.
		06.02.24	10:12	07.02.24	1:30	Due to BUS-II jumper y-phase of Bay No. 413 snapped and BUS-I R-phase jumper BPI damaged. Both the Bus became dead.

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 FEBRUARY 2024

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	10.57.22	0	270	0	19	0	10	25	324	4755	4657	98	5079	0	5079
2	10.40.05	39	271	307	19	0	18	22	676	4730	4760	-30	5406	0	5406
3	09.50.14	39	271	320	19	0	18	27	693	4262	4067	195	4955	0	4955
4	11.01.23	39	154	272	19	0	18	24	525	4390	4341	49	4915	0	4915
5	09.59.43	38	155	317	19	0	19	21	569	4261	4434	-173	4830	0	4830
6	09.47.57	39	0	568	19	8	7	17	658	4185	4316	-131	4843	0	4843
7	09.38.58	39	0	634	19	8	6	20	726	4072	4055	17	4798	0	4798
8	10.00.05	39	0	511	19	8	17	27	620	4153	4194	-41	4773	0	4773
9	10.00.57	39	0	621	19	8	18	18	723	4196	4161	35	4919	0	4919
10	10.38.33	30	0	476	19	8	18	25	576	4067	3998	69	4643	0	4643
11	10.30.18	38	0	473	19	8	8	21	567	4010	3980	30	4577	0	4577
12	09.50.28	38	0	586	19	8	19	21	691	3884	3894	-10	4575	0	4575
13	10.40.17	38	0	486	19	8	18	22	590	3973	3916	57	4563	0	4563
14	09.59.11	37	0	322	19	8	18	26	431	4259	4223	36	4690	0	4690
15	09.58.51	38	0	470	19	8	17	20	572	3758	3903	-145	4330	0	4330
16	10.50.42	37	0	513	19	8	18	22	617	3955	3808	147	4572	0	4572
17	10.25.06	37	0	308	19	4	18	25	411	3740	3721	19	4151	0	4151
18	11.00.59	36	0	271	21	7	19	21	375	3775	3784	-9	4150	0	4150
19	10.25.04	0	0	272	19	9	19	26	345	3797	3620	177	4142	0	4142
20	10.03.56	0	0	270	19	8	19	22	338	3758	3795	-37	4096	0	4096
21	10.22.17	0	0	287	19	9	18	27	360	3830	3845	-15	4190	0	4190
22	10.19.26	0	0	307	19	8	19	26	379	3681	3759	-78	4060	0	4060
23	10.25.55	0	0	269	19	7	19	22	336	3919	3889	30	4255	0	4255
24	09.57.36	0	0	269	19	5	19	27	339	3652	3524	128	3991	0	3991
25	10.45.12	0	0	269	19	6	18	14	326	3801	3754	47	4127	0	4127
26	10.28.03	0	0	269	19	5	18	11	322	3685	3550	135	4007	0	4007
27	10.00.06	0	0	270	19	5	19	0	313	3766	3724	42	4079	0	4079
28	10.20.24	0	0	270	19	4	18	0	311	3812	3748	64	4123	0	4123
29	09.47.30	0	0	271	19	4	19	0	313	3781	3606	175	4094	0	4094

6 POWER AVAILABILITY- DEMAND POSITION AT THE TIME OF MAXIMUM UNRESTRICTED DEMAND DURING FEBRUARY 2024

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	10.57.22	0	270	0	19	0	10	25	324	4755	4657	98	5079	0	5079
2	10.40.05	39	271	307	19	0	18	22	676	4730	4760	-30	5406	0	5406
3	09.50.14	39	271	320	19	0	18	27	693	4262	4067	195	4955	0	4955
4	11.01.23	39	154	272	19	0	18	24	525	4390	4341	49	4915	0	4915
5	09.59.43	38	155	317	19	0	19	21	569	4261	4434	-173	4830	0	4830
6	09.47.57	39	0	568	19	8	7	17	658	4185	4316	-131	4843	0	4843
7	09.38.58	39	0	634	19	8	6	20	726	4072	4055	17	4798	0	4798
8	10.00.05	39	0	511	19	8	17	27	620	4153	4194	-41	4773	0.0	4773
9	10.00.57	39	0	621	19	8	18	18	723	4196	4161	35	4919	0	4919
10	10.38.33	30	0	476	19	8	18	25	576	4067	3998	69	4643	0	4643
11	10.30.18	38	0	473	19	8	8	21	567	4010	3980	30	4577	0	4577
12	09.50.28	38	0	586	19	8	19	21	691	3884	3894	-10	4575	0	4575
13	10.40.17	38	0	486	19	8	18	22	590	3973	3916	57	4563	0	4563
14	09.59.11	37	0	322	19	8	18	26	431	4259	4223	36	4690	0	4690
15	09.58.51	38	0	470	19	8	17	20	572	3758	3903	-145	4330	0	4330
16	10.50.42	37	0	513	19	8	18	22	617	3955	3808	147	4572	0	4572
17	10.25.06	37	0	308	19	4	18	25	411	3740	3721	19	4151	0	4151
18	11.00.59	36	0	271	21	7	19	21	375	3775	3784	-9	4150	0	4150
19	10.25.04	0	0	272	19	9	19	26	345	3797	3620	177	4142	0	4142
20	10.03.56	0	0	270	19	8	19	22	338	3758	3795	-37	4096	0	4096
21	10.22.17	0	0	287	19	9	18	27	360	3830	3845	-15	4190	0	4190
22	10.19.26	0	0	307	19	8	19	26	379	3681	3759	-78	4060	0	4060
23	10.25.55	0	0	269	19	7	19	22	336	3919	3889	30	4255	0	4255
24	09.57.36	0	0	269	19	5	19	27	339	3652	3524	128	3991	0	3991
25	10.45.12	0	0	269	19	6	18	14	326	3801	3754	47	4127	0	4127
26	10.28.03	0	0	269	19	5	18	11	322	3685	3550	135	4007	0	4007
27	10.00.06	0	0	270	19	5	19	0	313	3766	3724	42	4079	0	4079
28	10.20.24	0	0	270	19	4	18	0	311	3812	3748	64	4123	0	4123
29	09.47.30	0	0	271	19	4	19	0	313	3781	3606	175	4094	0	4094

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

(ALL FIGURES IN MUS)

GENERATION WITHIN DELHI	AVAILABILITY	SCHEDULE
Rajghat Power House	0.000	0.000
Gas Turbine	47.10	14.896
Pragati-I	233.16	25.210
Pragati-III (Bawana)	602.46	192.100
Rithala	0.000	0.000
Badarpur	0.000	0.000
Renewable (include WTE)	41.695	41.695
TOTAL DELHI GEN.	**924.413**	**273.901**

NAME OF STATION	AVAILABILITY	SCHEDULE
ANTA G-GF	33.110	0.000
ANTA G-LF		0.000
ANTA G-RF		0.000
ANTA CRF		0.000
AURIYA G-GF	51.420	0.000
AURIYA G-LF		0.000
AURIYA G-RF		0.000
AURIYA CRF		0.000
DADRI G -GF	36.260	0.000
DADRI G -LF		0.000
DADRI G -RF		0.000
DADRI CRF		0.000
SINGRAULI STPS	92.930	86.614
RIHAND STPS	64.357	58.474
RIHAND-II STPS	84.568	77.235
RIHAND -III STPS	45.787	41.993
DADRI-II	508.241	349.249
UNCHAHAR-I TPS	9.601	7.787
UNCHAHAR-II TPS	31.731	24.526
UNCHAHAR-III TPS	19.501	14.695
UNCHAHAR-IV TPS	0.000	0.000
JHAJJAR	227.735	227.735
MEJA TPS	0.000	0.000
TRANDA-II TPS	0.000	0.000
FARAKA	15.109	12.382
KAHALGAON-I	33.802	28.047
KAHALGAON-II	106.425	89.790

NAME OF STATION	AVAILABILITY	SCHEDULE
SASAN	304.352	284.688
NABINAGAR STPS (BRBCL)	13.404	13.404
BAIRASIUL HEP	2.013	2.0129
SALAL HEP	9.974	9.974
TANAKPUR HEP	0.401	0.401
CHAMERA HEP	3.208	3.208
CHAMERA HEP-II	3.532	3.532
CHAMERA-III	1.132	1.132
URI HEP	12.036	12.036
URI-II HEP	9.464	9.464
SEWA-II	3.754	3.754
DHAULIGANGA HEP	2.438	2.437
DULHASTI HEP	7.936	7.936
PARVATI-III	0.000	0.000
NATHPA JHAKRI HEP	15.789	15.789
TEHRI HEP	13.719	13.719
KOTESWAR	7.923	7.923
SINGRAULI SHEP	0.544	0.544
TALA	0.000	0.000
KISHAN GANGA	0.000	0.000
KOLDAM	0.000	0.000
RAMPUR	0.000	0.000
NAPP	30.284	30.284
RAPP C	37.653	37.653
RAPPPB-4 C	0.000	0.000
KUDGI STPS-I	0.000	0.000
Total	**1840.134**	**1478.418**
LTA	**764.248**	**764.248**
Short Term (Purchase)	**222.499**	**184.174**
Short Term (Sale)		**-484.752**
TOTAL AVAILABILITY	**3751.293**	**2215.989**

8. SHEDDING DETAILS DURING THE MONTH OF FEBRUARY 2024

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
01.02.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
02.02.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
03.02.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
04.02.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
05.02.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
06.02.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
07.02.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
08.02.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
09.02.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10.02.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11.02.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12.02.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
13.02.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14.02.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15.02.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
16.02.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17.02.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
18.02.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
19.02.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20.02.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
21.02.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22.02.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
23.02.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
24.02.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25.02.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
26.02.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27.02.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
28.02.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
29.02.24	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
01.02.24	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
02.02.24	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
03.02.24	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
04.02.24	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
05.02.24	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
06.02.24	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
07.02.24	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
08.02.24	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
09.02.24	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
10.02.24	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
11.02.24	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
12.02.24	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
13.02.24	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
14.02.24	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
15.02.24	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
16.02.24	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
17.02.24	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
18.02.24	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
19.02.24	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
20.02.24	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
21.02.24	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
22.02.24	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
23.02.24	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
24.02.24	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
25.02.24	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
26.02.24	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
27.02.24	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
28.02.24	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
29.02.24	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
01.02.24	0.012	0.000	0.001	0.000	0.000	0.000	0.002	0.000	0.000
02.02.24	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.000	0.000
03.02.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.000
04.02.24	0.000	0.000	0.000	0.000	0.000	0.002	0.002	0.000	0.000
05.02.24	0.000	0.000	0.000	0.000	0.000	0.000	0.005	0.000	0.000
06.02.24	0.000	0.000	0.000	0.000	0.000	0.005	0.000	0.000	0.000
07.02.24	0.000	0.000	0.000	0.000	0.000	0.000	0.006	0.000	0.000
08.02.24	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	0.000
09.02.24	0.000	0.000	0.001	0.000	0.000	0.000	0.007	0.000	0.000
10.02.24	0.000	0.000	0.003	0.000	0.000	0.001	0.000	0.006	0.000
11.02.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.019	0.000
12.02.24	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.000	0.000
13.02.24	0.000	0.000	0.002	0.000	0.000	0.000	0.002	0.000	0.000
14.02.24	0.000	0.000	0.000	0.000	0.000	0.006	0.000	0.000	0.000
15.02.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
16.02.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17.02.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
18.02.24	0.000	0.000	0.001	0.000	0.000	0.000	0.007	0.000	0.000
19.02.24	0.000	0.000	0.000	0.000	0.000	0.000	0.011	0.002	0.000
20.02.24	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.000	0.000
21.02.24	0.000	0.000	0.000	0.000	0.000	0.001	0.000	0.000	0.000
22.02.24	0.000	0.009	0.000	0.000	0.000	0.000	0.002	0.000	0.000
23.02.24	0.000	0.000	0.000	0.000	0.000	0.000	0.006	0.001	0.000
24.02.24	0.000	0.000	0.000	0.000	0.000	0.000	0.007	0.000	0.000
25.02.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
26.02.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27.02.24	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.000
28.02.24	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
29.02.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TOTAL	0.013	0.009	0.009	0.000	0.000	0.015	0.066	0.032	0.000

ALL FIGURES IN MUs

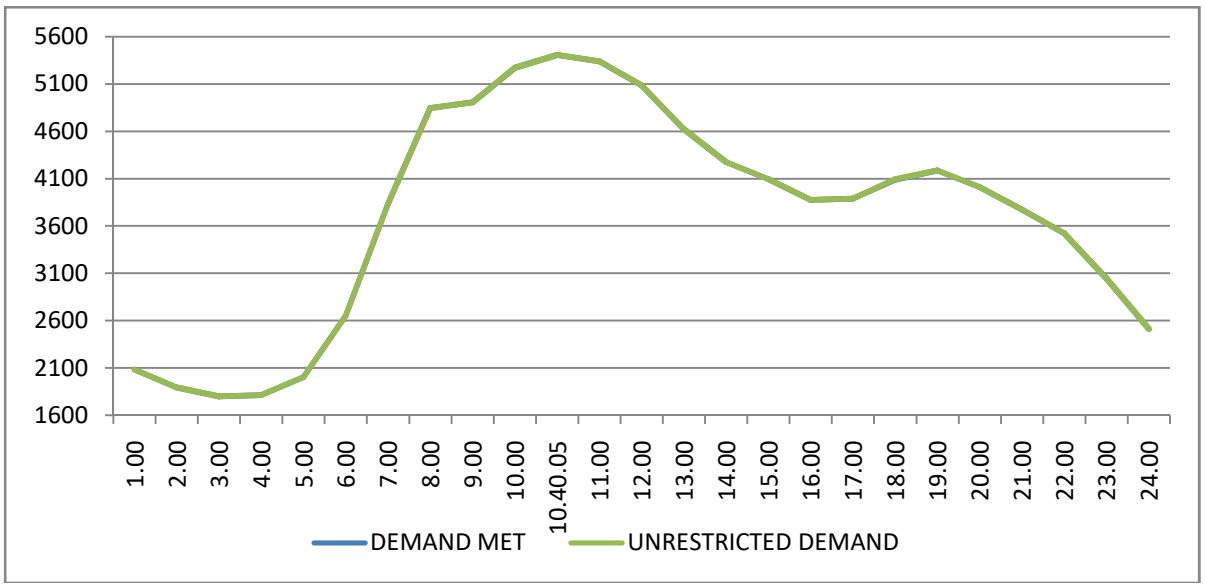
DATE	OTHER AGENCIES LIKE GENCO, BBMB, BTPS ETC.				THEFT PRONE SHEDDING			TOTAL SHEDDING DUE TO T&D CONSTS. & THEFT PRONE	GRAND TOTAL
	BSES		TPDDL	NDMC	BSES		TPDDL		
	BYPL	BRPL			BYPL	BRPL			
1	35	36	37	38	39	40	41	42= 26 to 41	43 = 25 + 42
01.02.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.015	0.015
02.02.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.004
03.02.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.002
04.02.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.004
05.02.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.005	0.005
06.02.24	0.000	0.000	0.5290	0.000	0.000	0.000	0.000	0.534	0.534
07.02.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.006	0.006
08.02.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001
09.02.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.009	0.009
10.02.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010
11.02.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.019	0.019
12.02.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.003
13.02.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.004
14.02.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.006	0.006
15.02.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
16.02.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17.02.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
18.02.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.008	0.008
19.02.24	0.000	0.000	0.0005	0.000	0.000	0.000	0.000	0.014	0.014
20.02.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.002
21.02.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001
22.02.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.011	0.011
23.02.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.007	0.007
24.02.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.007	0.007
25.02.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
26.02.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27.02.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001
28.02.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001
29.02.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TOTAL	0.000	0.000	0.5295	0.000	0.000	0.000	0.000	0.6742	0.6742

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
01.02.24	87.553	5079	10:57:22	0	5079	5079	10:57:22	5079	0
02.02.24	87.478	5406	10:40:05	0	5406	5406	10:40:05	5406	0
03.02.24	78.468	4955	9:50:14	0	4955	4955	9:50:14	4955	0
04.02.24	80.833	4915	11:01:23	0	4915	4915	11:01:23	4915	0
05.02.24	80.856	4830	9:59:43	0	4830	4830	9:59:43	4830	0
06.02.24	81.514	4843	9:47:57	0	4843	4843	9:47:57	4843	0
07.02.24	84.223	4798	9:38:58	0	4798	4798	9:38:58	4798	0
08.02.24	82.474	4773	10:00:05	0	4773	4773	10:00:05	4773	0
09.02.24	82.415	4919	10:00:57	0	4919	4919	10:00:57	4919	0
10.02.24	75.937	4643	10:38:33	0	4643	4643	10:38:33	4643	0
11.02.24	73.905	4577	10:30:18	0	4577	4577	10:30:18	4577	0
12.02.24	76.238	4555	9:50:28	0	4555	4555	9:50:28	4555	0
13.02.24	77.296	4563	10:40:17	0	4563	4563	10:40:17	4563	0
14.02.24	77.878	4690	9:59:11	0	4690	4690	9:59:11	4690	0
15.02.24	74.274	4330	9:58:51	0	4330	4330	9:58:51	4330	0
16.02.24	75.865	4572	10:50:42	0	4572	4572	10:50:42	4572	0
17.02.24	69.909	4151	10:25:06	0	4151	4151	10:25:06	4151	0
18.02.24	65.942	4150	11:00:59	0	4150	4150	11:00:59	4150	0
19.02.24	70.144	4142	10:25:04	0	4142	4142	10:25:04	4142	0
20.02.24	70.465	4096	10:03:56	0	4096	4096	10:03:56	4096	0
21.02.24	71.626	4190	10:22:17	0	4190	4190	10:22:17	4190	0
22.02.24	70.507	4060	10:19:26	0	4060	4060	10:19:26	4060	0
23.02.24	73.126	4255	10:25:55	0	4255	4255	10:25:55	4255	0
24.02.24	67.474	3991	9:57:36	0	3991	3991	9:57:36	3991	0
25.02.24	65.686	4127	10:45:12	0	4127	4127	10:45:12	4127	0
26.02.24	69.468	4007	10:28:03	0	4007	4007	10:28:03	4007	0
27.02.24	70.637	4079	10:00:06	0	4079	4079	10:00:06	4079	0
28.02.24	71.191	4123	10:20:24	0	4123	4123	10:20:24	4123	0
29.02.24	70.631	4094	9:47:30	0	4094	4094	9:47:30	4094	0
TOTAL	2184.013	5406				5406			
		02.02.24							

9. LOAD PATTERN OF DELHI ON THE DAY OF PEAK DEMAND MET DURING FEBRUARY 2024 ON 02.02.2024 - 5406MW AT 10.40.05HRS.

All figures in MW

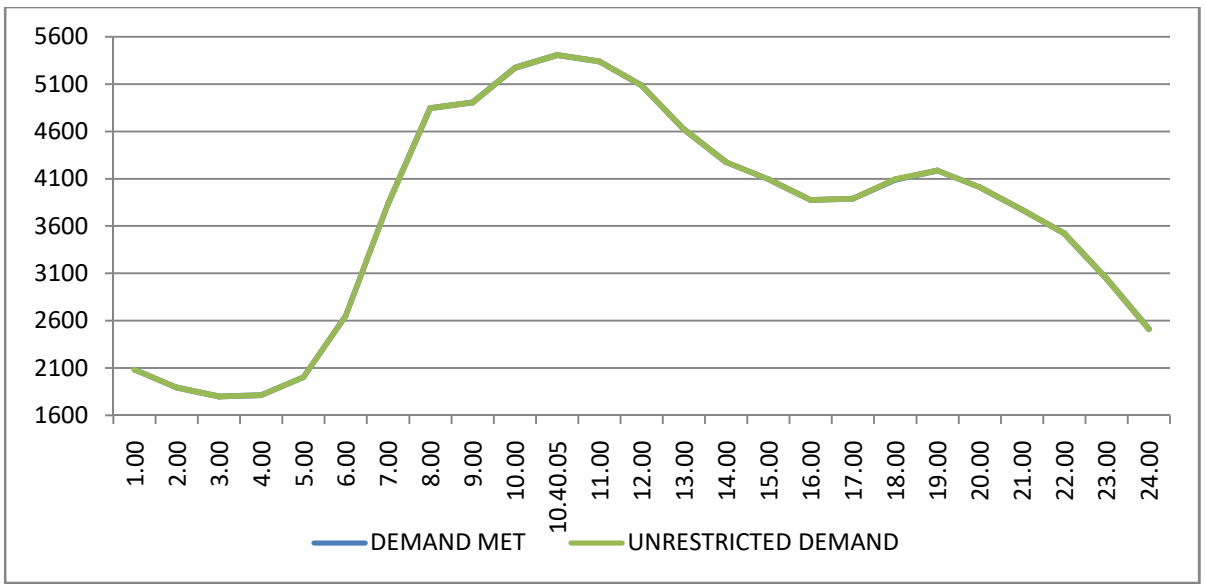
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	2083	0	2083
2.00	1895	0	1895
3.00	1802	0	1802
4.00	1815	0	1815
5.00	2002	0	2002
6.00	2652	0	2652
7.00	3832	0	3832
8.00	4846	0	4846
9.00	4905	0	4905
10.00	5270	0	5270
10.40.05	5406	0	5406
11.00	5338	0	5338
12.00	5084	0	5084
13.00	4621	0	4621
14.00	4274	0	4274
15.00	4096	0	4096
16.00	3874	0	3874
17.00	3888	0	3888
18.00	4087	7.5	4094.5
19.00	4187	0	4187
20.00	4009	0	4009
21.00	3774	0	3774
22.00	3523	0	3523
23.00	3047	0	3047
24.00	2515	0	2515
Total (IN MUS)	**87.478**	**0.0043**	**87.482**



10 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UN-RESTRICTED DEMAND DURING FEBRUARY 2024 ON 02.02.2024-5406MW AT 10.40.05HRS.

All figures in MW

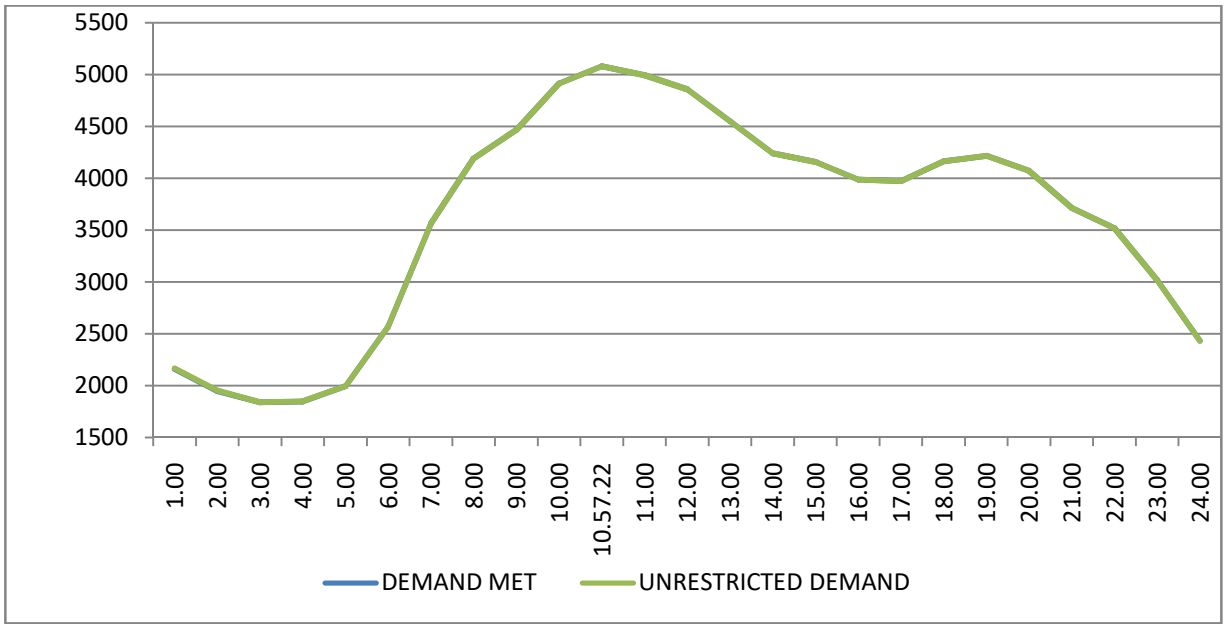
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	2083	0	2083
2.00	1895	0	1895
3.00	1802	0	1802
4.00	1815	0	1815
5.00	2002	0	2002
6.00	2652	0	2652
7.00	3832	0	3832
8.00	4846	0	4846
9.00	4905	0	4905
10.00	5270	0	5270
10.40.05	5406	0	5406
11.00	5338	0	5338
12.00	5084	0	5084
13.00	4621	0	4621
14.00	4274	0	4274
15.00	4096	0	4096
16.00	3874	0	3874
17.00	3888	0	3888
18.00	4087	7.5	4094.5
19.00	4187	0	4187
20.00	4009	0	4009
21.00	3774	0	3774
22.00	3523	0	3523
23.00	3047	0	3047
24.00	2515	0	2515
Total (IN MUS)	**87.478**	**0.0043**	**87.482**



11 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM ENERGY CONSUMED DURING FEBRUARY 2024 – 01.02.2024 – 87.553Mus

All figures in MW

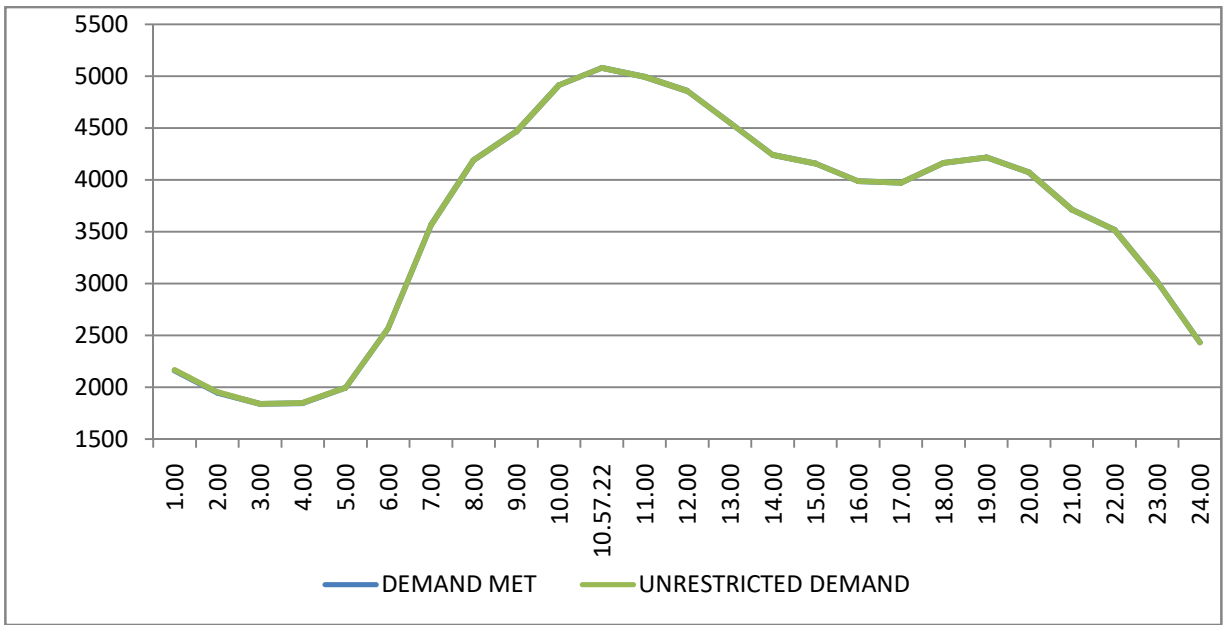
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	2160	5.3	2165.3
2.00	1947	5.6	1952.6
3.00	1841	0	1841
4.00	1847	1.3	1848.3
5.00	1995	0	1995
6.00	2567	0	2567
7.00	3560	0	3560
8.00	4187	0	4187
9.00	4465	0	4465
10.00	4913	0	4913
10.57.22	5079	0	5079
11.00	4993	0	4993
12.00	4858	0	4858
13.00	4549	0	4549
14.00	4239	0	4239
15.00	4156	0	4156
16.00	3987	0	3987
17.00	3973	0	3973
18.00	4164	0	4164
19.00	4216	0	4216
20.00	4071	0	4071
21.00	3711	0	3711
22.00	3518	0	3518
23.00	3016	0	3016
24.00	2433	0	2433
Total (IN MUS)	**87.553**	**0.015**	**87.568**



12 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UNRESTRICTED ENERGY DEMAND DURING FEBRUARY 2024 ON 01.02.2024- 87.568MUs

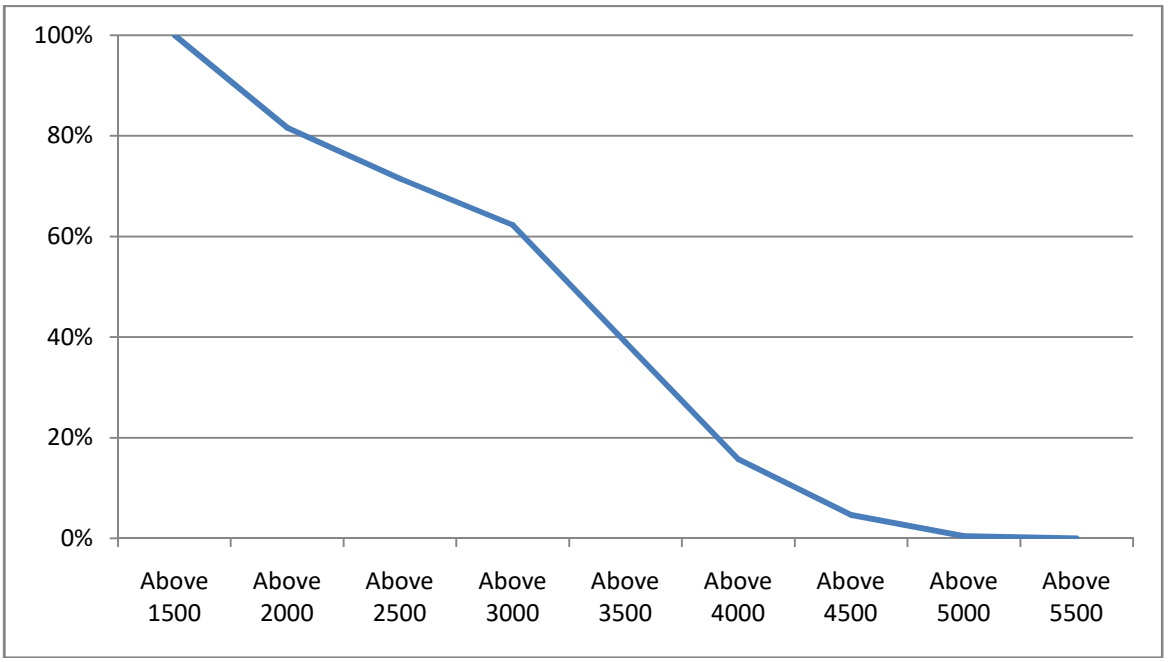
All figures in MW

Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	2160	5.3	2165.3
2.00	1947	5.6	1952.6
3.00	1841	0	1841
4.00	1847	1.3	1848.3
5.00	1995	0	1995
6.00	2567	0	2567
7.00	3560	0	3560
8.00	4187	0	4187
9.00	4465	0	4465
10.00	4913	0	4913
10.57.22	5079	0	5079
11.00	4993	0	4993
12.00	4858	0	4858
13.00	4549	0	4549
14.00	4239	0	4239
15.00	4156	0	4156
16.00	3987	0	3987
17.00	3973	0	3973
18.00	4164	0	4164
19.00	4216	0	4216
20.00	4071	0	4071
21.00	3711	0	3711
22.00	3518	0	3518
23.00	3016	0	3016
24.00	2433	0	2433
Total (IN MUS)	**87.553**	**0.015**	**87.568**



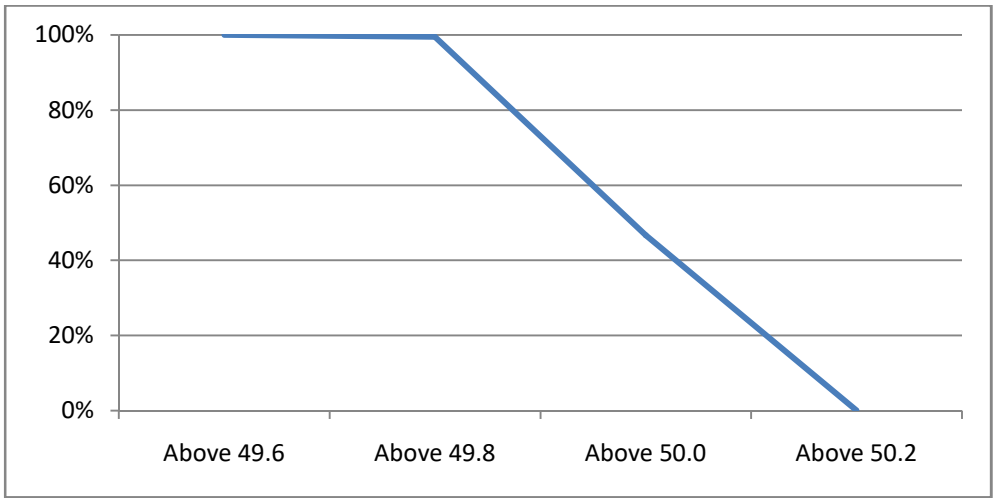
13 LOAD DURATION CURVE FOR FEBRUARY 2024

LOAD REMAINED ABOVE IN MW	(%) OF TIME
Above 1500	100%
Above 2000	81.61%
Above 2500	71.48%
Above 3000	62.25%
Above 3500	39.01%
Above 4000	15.73%
Above 4500	4.63%
Above 5000	0.43%
Above 5500	0.01%



14 FREQUENCY ANALYSIS FOR THE MONTH OF FEBRUARY 2024

FREQUENCY REMAINED ABOVE IN HZ	(%) OF TIME
Above 49.6	100%
Above 49.8	99.49%
Above 50.0	46.64%
Above 50.2	0.07%



15 VOLTAGE PROFILE OF 220 KV SUB-STATIONS IN DELHI DURING FEBRUARY 2024

All figures in kV

Date	NARELA		GAZIPUR	
	Max	Min	Max	Min
01.02.24	233.45	220.12	237.49	226.54
02.02.24	231.33	215.87	234.98	225.24
03.02.24	231.76	216.75	236.33	224.29
04.02.24	232.63	220.19	235.63	228.34
05.02.24	232.67	220.19	237.28	225.63
06.02.24	231.16	--	234.85	224.88
07.02.24	231.23	217.7	235.68	225.47
08.02.24	232.03	216.75	236.77	221.83
09.02.24	232.13	214.92	235.93	221.28
10.02.24	231.53	215.70	234.60	221.76
11.02.24	231.34	217.73	237.48	224.14
12.02.24	231.06	214.94	236.55	221.42
13.02.24	231.81	215.99	235.87	221.45
14.02.24	230.70	216.91	235.05	223.28
15.02.24	230.36	216.22	235.76	223.16
16.02.24	228.92	216.64	234.84	223.09
17.02.24	230.79	214.00	236.16	219.98
18.02.24	230.95	217.03	236.50	223.17
19.02.24	232.28	220.21	237.03	225.05
20.02.24	231.76	219.61	235.20	221.68
21.02.24	230.9	220.01	234.16	224.25
22.02.24	231.19	217.76	235.25	224.47
23.02.24	231.05	215.83	237.81	220.98
24.02.24	230.98	213.84	234.69	220.03
25.02.24	232.18	215.35	235.11	221.71
26.02.24	232.87	216.56	234.88	221.69
27.02.24	232.41	218.31	235.72	222.51
28.02.24	232.04	217.30	235.98	221.38
29.02.24	230.91	217.49	234.97	223.48

16 VOLTAGE PROFILE OF 400 KV SUB-STATIONS IN DELHI DURING FEBRUARY 2024

All figures in kV

Date	400kV Bamnauli Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01.02.24	420.99	3:56:44	397.82	7:12:54	409.47
02.02.24	418.76	4:00:45	393.68	10:07:55	408.49
03.02.24	420.18	4:01:14	393.03	9:33:22	408.67
04.02.24	421.54	4:00:44	400.33	10:26:04	411.40
05.02.24	422.50	3:03:00	397.67	10:39:46	410.04
06.02.24	419.68	3:00:40	397.33	9:32:31	409.78
07.02.24	418.43	4:00:40	392.76	9:24:07	408.15
08.02.24	418.87	23:57:29	393.31	10:23:45	409.16
09.02.24	420.40	4:00:53	391.31	10:34:45	409.86
10.02.24	420.35	4:00:21	391.32	10:17:06	408.90
11.02.24	419.39	4:00:55	395.74	9:47:43	410.90
12.02.24	422.69	22:00:52	--	--	332.58
13.02.24	426.01	4:00:01	397.67	10:03:41	414.54
14.02.24	424.70	4:01:35	397.99	9:15:22	414.40
15.02.24	422.88	0:39:04	397.26	9:48:54	414.12
16.02.24	422.12	17:01:04	396.87	9:18:39	413.30
17.02.24	423.37	4:00:41	392.29	9:35:49	412.56
18.02.24	424.07	17:32:03	397.46	10:23:20	415.94
19.02.24	426.54	13:03:06	402.08	9:33:23	414.41
20.02.24	425.09	4:00:54	401.43	7:12:54	415.56
21.02.24	424.71	4:00:21	403.35	9:51:40	414.96
22.02.24	425.03	4:00:50	401.9	9:49:03	414.93
23.02.24	424.85	17:31:48	397.90	11:13:16	414.67
24.02.24	424.26	1:33:37	395.03	9:34:56	413.43
25.02.24	425.53	23:59:58	398.36	10:14:55	416.67
26.02.24	426.77	4:00:52	397.48	9:47:52	414.52
27.02.24	427.54	3:56:27	399.25	9:35:56	415.78
28.02.24	426.34	4:00:45	399.55	10:20:07	415.29
29.02.24	424.43	1:26:36	402.13	10:13:28	415.39

All figures in kV

Date	400kV Bawana Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01.02.24	424.70	3:44:00	403.22	18:30:56	413.66
02.02.24	419.60	4:00:45	399.55	10:08:46	411.50
03.02.24	419.94	4:02:01	398.17	9:31:28	411.46
04.02.24	422.18	4:00:55	406.46	10:28:54	414.34
05.02.24	423.49	3:03:16	402.29	10:39:57	412.51
06.02.24	419.31	3:01:01	399.32	9:16:36	411.06
07.02.24	418.14	4:00:42	401.71	10:46:19	410.84
08.02.24	418.22	23:57:36	396.67	10:23:07	410.56
09.02.24	419.48	4:00:10	393.91	10:34:33	410.59
10.02.24	419.62	1:58:51	390.09	10:22:45	410.22
11.02.24	419.59	2:01:21	397.72	10:39:59	410.78
12.02.24	419.41	22:00:39	391.04	11:06:33	410.04
13.02.24	421.53	3:59:27	394.77	10:06:36	411.12
14.02.24	420.56	4:01:21	394.40	10:35:16	410.77
15.02.24	418.17	0:39:10	394.78	9:48:37	409.80
16.02.24	416.10	2:01:13	395.00	10:32:39	409.02
17.02.24	416.41	23:59:56	391.81	9:36:10	408.25
18.02.24	419.09	4:00:12	394.77	10:22:06	412.14
19.02.24	420.04	13:03:28	400.94	9:47:38	411.27
20.02.24	422.46	4:00:52	402.94	7:12:55	412.55
21.02.24	421.38	4:00:25	401.35	9:49:59	411.75
22.02.24	421.02	4:01:04	397.82	12:22:35	410.91
23.02.24	418.62	1:27:58	390.30	11:11:17	409.83
24.02.24	419.86	1:33:46	391.51	11:13:47	409.15
25.02.24	420.61	23:59:59	393.23	10:14:59	411.86
26.02.24	421.36	2:57:40	--	--	346.78
27.02.24	422.29	4:00:47	395.36	10:20:58	411.36
28.02.24	420.97	3:00:56	394.43	10:22:39	411.17
29.02.24	420.64	1:26:36	397.89	10:33:35	411.89

17 DETAILS OF BREAK-DOWNS/TRIPPING DURING THE MONTH OF FEBRURY 2024

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
1	06.02.24	6:32	WAZIRABAD 220/66kV 160MVA Tx-I	06.02.24	17:13	HV/LV REF, 130AB, TRIP RELAY COIL.
2	06.02.24	10:29	220kV NARELA - MANDOLA CKT-I	06.02.24	12:05	At Narela : Bus Bar prot operated
3	06.02.24	10:29	220kV NARELA - MANDOLA CKT-II	06.02.24	12:05	At Narela : Bus Bar prot operated
4	06.02.24	12:02	KASHMIRI GATE 33/11kV, 16MVA Tx	06.02.24	13:02	86
5	06.02.24	17:35	220 KV I.P.- RPH CKT-II	07.02.24	14:10	AT RPH : O/C, E/F
6	09.02.24	12:21	PRAGATI 220/66kV 160MVA Tx-II	09.02.24	17:19	I/C tripped on E/F at GT end and Tr. Tripped on 86, inter- tripping at Pragati
7	09.02.24	12:21	PRAGATI 220/66kV 160MVA Tx-I	09.02.24	13:27	I/C tripped on E/F at GT end and Tr. Tripped on 86, inter- tripping at Pragati
8	10.02.24	10:38	BAWANA 400/220kV 315MVA ICT-IV	10.02.24	15:45	BUCHOLZ.
9	10.02.24	14:57	SHALIMAR BAGH 220/33kV 100MVA Tx-III	10.02.24	17:59	WITHOUT INDICATION.
10	11.02.24	21:30	220kV PRAGATI - SARITA VIHAR CKT - I	12.02.24	16:17	AT SARITA VIHAR : 195C RELAY.
11	13.02.24	10:01	SHALIMAR BAGH 220/33kV 100MVA Tx-III	13.02.24	11:02	BUS BAR PROT.
12	15.02.24	12:37	PRAGATI 220/66kV 160MVA Tx-I	15.02.24	17:40	DIFFERENTIAL.
13	18.02.24	18:08	BAWANA 220/66kV 100MVA Tx	18.02.24	19:12	E/F
14	19.02.24	12:05	220/33KV 100MVA PR. TR. -I AT RPH	20.02.24	11:40	MONKEY ELECTROCUTED
15	20.02.24	2:27	220KV GOPALPUR - SUBZI MANDI CKT. -I	20.02.24	8:24	AT GOPALPUR CKT. TRIPPED WITHOUT INDICATOIN.
16	22.02.24	11:42	R K PURAM 220/33kV 160MVA Tx-I	22.02.24	12:05	86
17	22.02.24	11:42	R K PURAM 220/66kV 160MVA Tx-II	22.02.24	12:05	86
18	24.02.24	13:18	KASHMIRI GATE 33/11kV, 16MVA Tx	25.02.24	0:05	BUCHOLZ, 86.
19	28.02.24	7:44	PARKSTREET 220/33kV 100MVA Tx-II	28.02.24	8:27	O/C, E/F, R PHASE.
20	29.02.24	2:40	SUBZI MANDI 33/11kV, 16MVA Tx-I	29.02.24	14:10	86

18 DETAILS OF UNDER FREQUENCY RELAY OPERATIONS IN DELHI POWER SYSTEM DURING THE MONTH OF FEBRUARY 2024

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