DELHI TRANSCO LTD.

STATE LOAD DISPATCH CENTER

PROGRESS REPORT

****

APRIL 2024

1 SALIENT FEATURES OF DELHI POWER SYSTEM

Sr. No.	Features	APR. 2023	APR. 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)**	**5422**	**5447**
	Date	18.04.23	26.04.24
	Time	15.19.41	15.20.26
3	**Peak Demand met (MW)**	**5422**	**5447**
	Date	18.04.23	26.04.24
	Time	15.19.41	15.20.26
4	Peak Availability (MW)	5379	5306
5	Shortage (-) / Surplus (+) in MW	(-) 43	(-) 141
6	Percentage Shortage (-) / Surplus (+)	(-) 0.79	(-) 2.59
7	Maximum Energy Consume in a day (Mus)	109.818	109.963
8	Energy Consumed during the month	**2569.062**	**2858.881**
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	0.112	0.228
	TPDDL	0.040	0.009
	BRPL	0.090	0.063
	BYPL	0.010	0.015
	NDMC	0.000	0.000
	MES	0.000	0.000
	Other Agencies	0.0003	0.000
	Total	**0.2523**	**0.315**
10	**Grand Total in Mus**	**0.2523**	**0.315**

2. PERFORMANCE OF GENERATING STATIONS WITHIN DELHI DURING APRIL 2024

A) For the month of April 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	0.120	-0.120	--	--
2.	GT	7.282	0.537	6.745	100.67	57.311
3.	PPCL	23.560	0.640	22.920	84.850	191.729
4.	Bawana	260.337	9.161	251.176	95.91	669.935
	TOTAL	**291.179**	**10.458**	**280.721**	--	**918.975**

WASTE TO ENERGY GENERATING PLANTS WITHIN DELHI

S. No	Stations	Gross Generation	Aux. Consumption	Net Generation
5.	Towmcl	14.063	2.456	11.607
6.	EDWPCL	5.899	0.863	5.036
7.	DMSWL	14.760	2.317	12.443
8.	TWEPL	18.578	1.790	16.788
	TOTAL	**53.3**	**7.426**	**45.874**

B) For the Year 2024-25 (Upto April 2024)

Power Station	Effective Capacity (MW)	Net Generation in MUs for Apr. 2024	Availability (%) for Apr 2024	Cumulative Generation in MUs upto Apr 2024 for the year 2024-25	Cumulative Availability in % upto Apr 2024 for the year 2024-25
RPH	135	-0.120	--	-0.120	--
GT	90	6.745	100.67	6.745	100.67
PPCL	330	22.920	84.850	22.920	84.850
Bawana	1372	251.176	95.91	251.176	95.91
TOTAL	1927	**280.721**	**--**	**280.721**	**--**

WASTE TO ENERGY GENERATING PLANTS WITHIN DELHI

Power Station	Effective Capacity (MW)	Net Generation in MUs for Apr 2024	Cumulative Generation in MUs upto Apr 2024 for the year 2024-25
Towmcl	16	11.607	11.607
EDWPCL	10	5.036	5.036
DMSWL	24	12.443	12.443
TWEPL	25	16.788	16.788
TOTAL	**75**	**45.874**	**45.874**

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

(THE DETAILS OF OUTAGES HAS BEEN PROVIDED BY RESPECTIVE GENERATING STATION ONLY AND WHICH IS HEREBY COMPILED FOR MIS PURPOSE ONLY)

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	NIL				
2	30	NIL				
3	30	NIL				
4	30	NIL				
5	30	01.04.24	00.00	30.04.24	23.59	Unit stopped due to less demand
6	30	01.04.24	00.00	30.04.24	23.59	Unit stopped due to less demand
STG-1	30	NIL				
STG-2	30	NIL				
STG-3	30	01.04.24	00.00	22.04.24	11.32	Unit stopped due to less demand
		22.04.24	11.32	30.04.24	23.59	Bir#5 is standby as there is no demand .

(C) PRAGATI

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	104	01.04.24	00.00	30.04.24	23.59	Unit stopped due to less demand
2	104	01.04.24	00.00	24.04.24	06.43	Unit stopped due to less demand
		16.04.24	18.04	26.04.24	19.05	Unit tripped due to grid disturbance
STG	122	01.04.24	00.00	24.04.24	13.17	Unit stopped due to less demand
		26.04.24	18.04	26.04.24	21.58	Unit tripped due to grid disturbance

(D) BAWANA CCGT POWER STATION

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	216	20.04.24	08.59	20.04.24	19.00	GAS LEAKAGE AT GAIL TERMAINAL MAIN HEADER LINE.
		26.04.24	10.45	26.04.24	11.56	DUE TO HIGH SPREAD
2	216	20.04.24	08.59	20.04.24	16.40	GAS LEAKAGE AT GAIL TERMAINAL MAIN HEADER LINE
3	216	20.04.24	09.15	20.04.24	24.00	GAS LEAKAGE AT GAIL TERMAINAL MAIN HEADER LINE
4	216	20.04.24	09.15	20.04.24	24.00	GAS LEAKAGE AT GAIL TERMAINAL MAIN HEADER LINE
STG -1	254	20.04.24	09.03	20.04.24	19.00	OUT DUE TO OUTAGE OF GT-1 & 2
		26.04.24	10.45	26.04.24	11.56	OUT DUE TO OUTAGE OF GT-1 (1/2 STG)
STG -2	254	20.04.24	09.15	20.04.24	24.00	OUT DUE TO OUTAGE OF GT-3 & 4

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 APRIL 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	12.06.16	0	0	273	18	6	20	28	345	3667	3652	15	4012	0	4012
2	18.58.32	0	0	270	18	6	18	22	334	3633	3612	21	3967	0	3967
3	15.50.07	0	0	273	18	6	18	13	328	3805	3714	91	4133	0	4133
4	15.12.06	0	0	270	19	6	18	11	324	4040	3859	181	4364	0	4364
5	15.16.12	0	0	270	18	8	18	10	324	4127	3986	141	4451	0	4451
6	14.43.27	0	0	271	18	6	18	13	326	3800	3713	87	4126	0	4126
7	19.28.07	0	0	271	19	7	16	12	325	3534	3486	48	3859	0	3859
8	15.22.59	0	0	306	19	7	18	23	373	3997	3970	27	4370	0	4370
9	15.37.18	0	0	270	19	8	18	25	340	4011	4032	-21	4351	0	4351
10	15.05.47	0	0	270	18	7	7	24	326	4191	4122	69	4517	0	4517
11	15.37.42	0	0	272	18	6	18	26	340	3934	3910	24	4274	0	4274
12	15.12.46	0	0	272	17	7	18	27	341	4376	4342	34	4717	0	4717
13	14.50.16	0	0	271	19	6	17	27	340	4073	3988	85	4413	0	4413
14	19.18.07	0	0	271	18	9	17	27	342	3467	3362	105	3809	0	3809
15	15.00.48	0	0	270	26	8	16	26	346	4087	4031	56	4433	0	4433
16	15.24.58	0	0	272	19	6	18	27	342	4242	4184	58	4584	0	4584
17	19.36.31	0	0	313	17	6	16	25	377	3803	3737	66	4180	0	4180
18	16.15.17	0	0	272	19	7	17	21	336	4503	4452	51	4839	0	4839
19	15.17.10	0	0	271	9	7	16	11	314	4823	4694	129	5137	0	5137
20	16.02.47	0	0	0	10	7	18	22	57	4705	4576	129	4762	0	4762
21	23.13.13	0	0	467	18	9	18	27	539	4039	3991	48	4578	0	4578
22	16.36.12	31	0	466	17	8	17	24	563	4426	4293	133	4989	0	4989
23	15.46.51	33	0	469	16	8	18	26	570	4476	4437	39	5046	0	5046
24	15.24.03	31	145	467	8	7	17	27	702	4228	4179	49	4930	0	4930
25	15.35.34	31	144	467	11	6	18	26	702	4446	4404	42	5148	0	5148
26	15.20.26	30	141	467	18	7	17	26	707	4740	4599	141	5447	0	5447
27	15.01.38	33	145	468	19	6	18	25	714	4323	4326	-3	5037	0	5037
28	23.20.14	35	150	627	12	9	18	26	877	4177	4107	70	5054	0	5054
29	15.18.02	32	146	468	12	7	18	27	710	4699	4570	129	5409	0	5409
30	15.18.06	33	147	468	12	7	18	27	712	4335	4373	-38	5047	0	5047
31															

6 POWER AVAILABILITY- DEMAND POSITION AT THE TIME OF MAXIMUM UNRESTRICTED DEMAND DURING APRIL 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	12.06.16	0	0	273	18	6	20	28	345	3667	3652	15	4012	0	4012
2	18.58.32	0	0	270	18	6	18	22	334	3633	3612	21	3967	0	3967
3	15.50.07	0	0	273	18	6	18	13	328	3805	3714	91	4133	0	4133
4	15.12.06	0	0	270	19	6	18	11	324	4040	3859	181	4364	0	4364
5	15.16.12	0	0	270	18	8	18	10	324	4127	3986	141	4451	0	4451
6	14.43.27	0	0	271	18	6	18	13	326	3800	3713	87	4126	0	4126
7	19.28.07	0	0	271	19	7	16	12	325	3534	3486	48	3859	0	3859
8	15.22.59	0	0	306	19	7	18	23	373	3997	3970	27	4370	0	4370
9	15.37.18	0	0	270	19	8	18	25	340	4011	4032	-21	4351	0	4351
10	15.05.47	0	0	270	18	7	7	24	326	4191	4122	69	4517	0	4517
11	15.37.42	0	0	272	18	6	18	26	340	3934	3910	24	4274	0	4274
12	15.12.46	0	0	272	17	7	18	27	341	4376	4342	34	4717	0	4717
13	14.50.16	0	0	271	19	6	17	27	340	4073	3988	85	4413	0	4413
14	19.18.07	0	0	271	18	9	17	27	342	3467	3362	105	3809	0	3809
15	15.00.48	0	0	270	26	8	16	26	346	4087	4031	56	4433	0	4433
16	15.24.58	0	0	272	19	6	18	27	342	4242	4184	58	4584	0	4584
17	19.36.31	0	0	313	17	6	16	25	377	3803	3737	66	4180	0	4180
18	16.15.17	0	0	272	19	7	17	21	336	4503	4452	51	4839	0	4839
19	15.17.10	0	0	271	9	7	16	11	314	4823	4694	129	5137	0	5137
20	16.02.47	0	0	0	10	7	18	22	57	4705	4576	129	4762	0	4762
21	23.13.13	0	0	467	18	9	18	27	539	4039	3991	48	4578	0	4578
22	16.36.12	31	0	466	17	8	17	24	563	4426	4293	133	4989	0	4989
23	15.46.51	33	0	469	16	8	18	26	570	4476	4437	39	5046	0	5046
24	15.24.03	31	145	467	8	7	17	27	702	4228	4179	49	4930	0	4930
25	15.35.34	31	144	467	11	6	18	26	702	4446	4404	42	5148	0	5148
26	15.20.26	30	141	467	18	7	17	26	707	4740	4599	141	5447	0	5447
27	15.01.38	33	145	468	19	6	18	25	714	4323	4326	-3	5037	0	5037
28	23.20.14	35	150	627	12	9	18	26	877	4177	4107	70	5054	0	5054
29	15.18.02	32	146	468	12	7	18	27	710	4699	4570	129	5409	0	5409
30	15.18.06	33	147	468	12	7	18	27	712	4335	4373	-38	5047	0	5047
31															

7 **SOURCEWISE SCHEDULED DRAWL FROM NORTHERN GRID AS WELL AS AVAILABILITY WITHIN DELHI FOR APRIL 2024**

(ALL FIGURES IN MUS)

GENERATION WITHIN DELHI	AVAILABILITY	SCHEDULE
Rajghat Power House	--	--
Gas Turbine	64.08	6.768
Pragati-I	214.80	23.071
Pragati-III (Bawana)	736.69	250.865
Rithala	--	--
Badarpur	**--**	**--**
Renewable (include WTE)	47.040	47.040
TOTAL DELHI GEN.	**1062.61**	**327.744**

NAME OF STATION	AVAILABILITY	SCHEDULE
Gas Based Station		
ANTA GPP-GF	30.538	0.064
ANTA GPP-LF		
ANTA GPP-RF		
ANTA CRF		
AURAIYA GPP-GF	49.419	0.086
AURAIYA GPP-LF		
AURAIYA GPP-RF		
AURIYA CRF		
DADRI GPP-GF	54.966	0.098
DADRI GPP-LF		
DADRI GPP-RF		
DADRI CRF		
Coal Based Station		
SINGRAULI STPS	101.455	104.435
RIHAND STPS	66.397	66.951
RIHAND-II STPS	74.292	75.310
RIHAND-III STPS	83.538	85.084
DADRI II	494.631	351.063
UNCHAHAR-I TPS	14.766	12.271
UNCHAHAR-II TPS	31.428	27.172
UNCHAHAR-III TPS	19.414	16.238
UNCHAHAR - IV TPS	0.925	1.790
JHAJJAR	332.460	332.460
Meja TPS	11.590	11.590
Tanda-II TPS	3.864	3.864
FARAKA	12.353	11.001
KAHALGAON1	32.856	30.649
KAHALGAON2	105.376	100.157
SASAN	295.367	295.392
Nabinagar STPS(BRBCL)	13.933	13.933

NAME OF STATION	AVAILABILITY	SCHEDULE
Gas Based Station		
KAHALGAON1	32.856	30.649
KAHALGAON2	105.376	100.157
SASAN	295.367	295.392
Nabinagar STPS(BRBCL)	13.933	13.933
Hydro Station		
BAIRASIUL HEP	6.628	6.628
SALAL HEP	33.209	**33.209**
TANAKPUR HEP	0.865	0.865
CHAMERA HEP	15.882	15.882
CHAMERA HEP-II	18.267	18.267
CHAMERA III	10.934	10.934
URI HEP	24.958	24.958
URI 2 HEP	25.283	25.283
SEWA-II	12.255	12.255
DHAULIGANGA HEP	5.833	5.833
DULHASTI HEP	23.815	**23.815**
Parvati3	2.750	2.750
NATHPA JHAKRI HEP	30.683	30.683
TEHRI HEP	14.949	14.949
KOTESWAR	9.293	9.293
SINGRAULI SHEP	0.547	0.547
TALA	0.000	0.000
Kishan Ganag	3.763	3.763
Koldam	1.409	1.409
Rampur	1.183	1.183
Nuclear Station		
NAPP	36.897	36.897
RAPP C	35.677	35.677
RAPPB_4 C	0.000	0.000
Total	**2144.646**	**1854.686**
LTA	**886.882**	**886.882**
Short Term (Purchase)	**185.764**	**134.424**
Short Term (Sale)		**276.217**
TOTAL AVAILABILITY	**4279.902**	**2978.859**

8. SHEDDING DETAILS DURING THE MONTH OF APRIL 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
01.04.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
02.04.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
03.04.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
04.04.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
05.04.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
06.04.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
07.04.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
08.04.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
09.04.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10.04.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11.04.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12.04.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
13.04.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14.04.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15.04.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
16.04.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17.04.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
18.04.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
19.04.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20.04.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
21.04.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22.04.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
23.04.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
24.04.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25.04.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
26.04.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27.04.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
28.04.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
29.04.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30.04.24	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
01.04.24	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
02.04.24	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
03.04.24	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
04.04.24	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
05.04.24	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
06.04.24	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
07.04.24	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
08.04.24	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
09.04.24	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
10.04.24	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
11.04.24	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
12.04.24	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
13.04.24	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
14.04.24	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
15.04.24	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
16.04.24	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
17.04.24	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
18.04.24	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
19.04.24	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
20.04.24	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
21.04.24	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
22.04.24	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
23.04.24	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
24.04.24	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
25.04.24	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
26.04.24	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
27.04.24	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
28.04.24	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
29.04.24	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
30.04.24	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
01.04.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
02.04.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
03.04.24	0.014	0.004	0.000	0.000	0.000	0.000	0.000	0.000	0.000
04.04.24	0.000	0.000	0.008	0.000	0.000	0.014	0.000	0.000	0.000
05.04.24	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
06.04.24	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.000	0.000
07.04.24	0.000	0.000	0.000	0.000	0.000	0.001	0.000	0.000	0.000
08.04.24	0.003	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
09.04.24	0.001	0.000	0.014	0.000	0.000	0.000	0.000	0.002	0.000
10.04.24	0.000	0.002	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11.04.24	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.000	0.000
12.04.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
13.04.24	0.000	0.024	0.000	0.000	0.000	0.000	0.002	0.000	0.000
14.04.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15.04.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
16.04.24	0.006	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.000
17.04.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
18.04.24	0.000	0.014	0.000	0.000	0.000	0.000	0.000	0.000	0.000
19.04.24	0.000	0.000	0.004	0.000	0.000	0.000	0.000	0.000	0.000
20.04.24	0.000	0.004	0.000	0.000	0.000	0.000	0.000	0.000	0.000
21.04.24	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.000
22.04.24	0.000	0.002	0.000	0.000	0.000	0.000	0.027	0.003	0.000
23.04.24	0.000	0.000	0.000	0.000	0.000	0.000	0.013	0.001	0.000
24.04.24	0.000	0.019	0.000	0.000	0.000	0.000	0.000	0.003	0.000
25.04.24	0.000	0.002	0.000	0.000	0.000	0.000	0.001	0.000	0.000
26.04.24	0.060	0.032	0.000	0.000	0.000	0.000	0.008	0.000	0.000
27.04.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
28.04.24	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.000	0.000
29.04.24	0.000	0.013	0.001	0.000	0.000	0.000	0.000	0.000	0.000
30.04.24	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.000	0.000
TOTAL	0.084	0.117	0.027	0.000	0.000	0.015	0.063	0.009	0.000

ALL FIGURES IN MUs

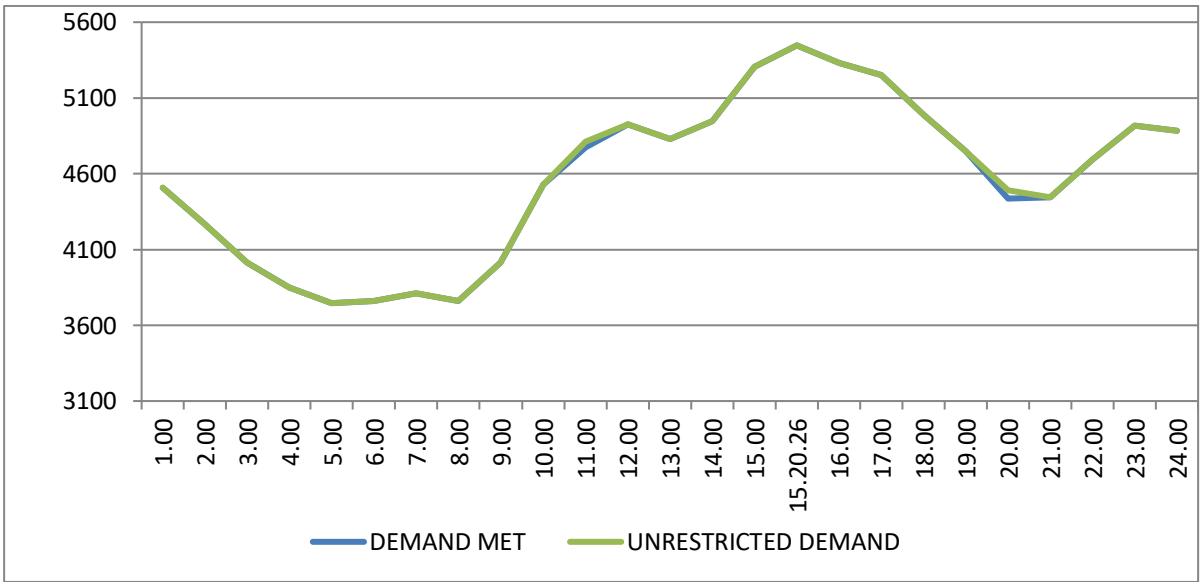
DATE	OTHER AGENCIES LIKE GENCO, BBMB, BTPS ETC.				THEFT PRONE SHEDDING			TOTAL SHEDDING DUE TO T&D CONSTS. & THEFT PRONE	GRAND TOTAL
	BSES		TPDDL	NDMC	BSES		TPDDL		
	BYPL	BRPL			BYPL	BRPL			
1	35	36	37	38	39	40	41	42= 26 to 41	43 = 25 + 42
01.04.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
02.04.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
03.04.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.018	0.018
04.04.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.021	0.021
05.04.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001
06.04.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.003
07.04.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001
08.04.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.003
09.04.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.016	0.016
10.04.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.002
11.04.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.002
12.04.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
13.04.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.027	0.027
14.04.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15.04.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
16.04.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.006	0.006
17.04.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
18.04.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.014	0.014
19.04.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.004
20.04.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.004
21.04.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001
22.04.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.033	0.033
23.04.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.013	0.013
24.04.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.022	0.022
25.04.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.003
26.04.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.100	0.100
27.04.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
28.04.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.003
29.04.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.014	0.014
30.04.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.004
TOTAL	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.315	0.315

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
01.04.24	84.629	4011	12:06:16	0	4011	4011	12:06:16	4011	0
02.04.24	82.484	3966	18:58:32	0	3966	3966	18:58:32	3966	0
03.04.24	85.722	4133	15:50:07	0	4133	4133	15:50:07	4133	0
04.04.24	89.260	4364	15:12:06	0	4364	4364	15:12:06	4364	0
05.04.24	90.487	4451	15:16:12	0	4451	4451	15:16:12	4451	0
06.04.24	87.190	4126	14:43:27	0	4126	4126	14:43:27	4126	0
07.04.24	81.094	3859	19:28:07	0	3859	3859	19:28:07	3859	0
08.04.24	91.254	4370	15:22:59	0	4370	4370	15:22:59	4370	0
09.04.24	90.989	4351	15:37:18	0	4351	4351	15:37:18	4351	0
10.04.24	94.936	4517	15:05:47	0	4517	4517	15:05:47	4517	0
11.04.24	90.180	4274	15:37:00	0	4274	4274	15:37:00	4274	0
12.04.24	95.767	4717	15:12:46	0	4717	4717	15:12:46	4717	0
13.04.24	92.826	4413	14:50:16	0	4413	4413	14:50:16	4413	0
14.04.24	84.375	3809	19:18:07	0	3809	3809	19:18:07	3809	0
15.04.24	91.962	4433	15:00:48	0	4433	4433	15:00:48	4433	0
16.04.24	95.357	4584	15:24:58	0	4584	4584	15:24:58	4584	0
17.04.24	90.632	4180	19:36:31	0	4180	4180	19:36:31	4180	0
18.04.24	97.333	4839	16:15:17	0	4839	4839	16:15:17	4839	0
19.04.24	102.539	5137	15:17:00	0	5137	5137	15:17:00	5137	0
20.04.24	102.552	4762	16:02:47	0	4762	4762	16:02:47	4762	0
21.04.24	93.643	4578	23:13:13	0	4578	4578	23:13:13	4578	0
22.04.24	102.480	4989	16:36:12	0	4989	4989	16:36:12	4989	0
23.04.24	102.128	5046	15:46:51	0	5046	5046	15:46:51	5046	0
24.04.24	100.677	4930	15:24:03	0	4930	4930	15:24:03	4930	0
25.04.24	106.844	5148	15:35:34	0	5148	5148	15:35:34	5148	0
26.04.24	109.963	5447	15:20:26	0	5447	5447	15:20:26	5447	0
27.04.24	104.566	5037	15:01:38	0	5037	5037	15:01:38	5037	0
28.04.24	99.909	5054	23:20:14	0	5054	5054	23:20:14	5054	0
29.04.24	109.271	5409	15:18:02	0	5409	5409	15:18:02	5409	0
30.04.24	107.832	5047	15:18:06	0	5047	5047	15:18:06	5047	0
TOTAL	2858.881	5447	15.20.26						
		26.04.24							

9. LOAD PATTERN OF DELHI ON THE DAY OF PEAK DEMAND MET DURING APRIL 2024 ON 26.04.2024 - 5447MW AT 15.20.26HRS.

All figures in MW

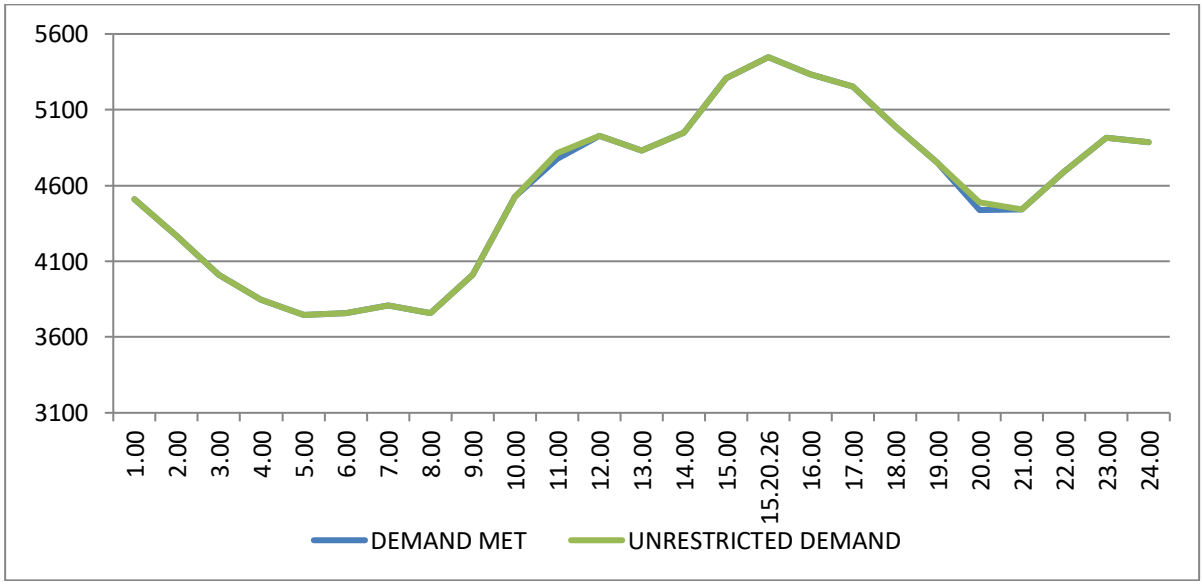
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	4508	0	4508
2.00	4267	0	4267
3.00	4013	0	4013
4.00	3848	0	3848
5.00	3746	0	3746
6.00	3759	0	3759
7.00	3809	0	3809
8.00	3760	0	3760
9.00	4012	0	4012
10.00	4528	0	4528
11.00	4774	38.4	4812.4
12.00	4928	0	4928
13.00	4829	0	4829
14.00	4948	0	4948
15.00	5306	0	5306
15.20.26	5447	0	5447
16.00	5333	0	5333
17.00	5253	0	5253
18.00	4991	0	4991
19.00	4750	0	4750
20.00	4437	52.5	4489.5
21.00	4443	0	4443
22.00	4692	0	4692
23.00	4916	0	4916
24.00	4885	0	4885
Total (IN MUS)	109.963	0.0998	110.063



10 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UN-RESTRICTED DEMAND DURING APRIL 2024 ON 26.04.2024 - 5447MW AT 15.20.26HRS.

All figures in MW

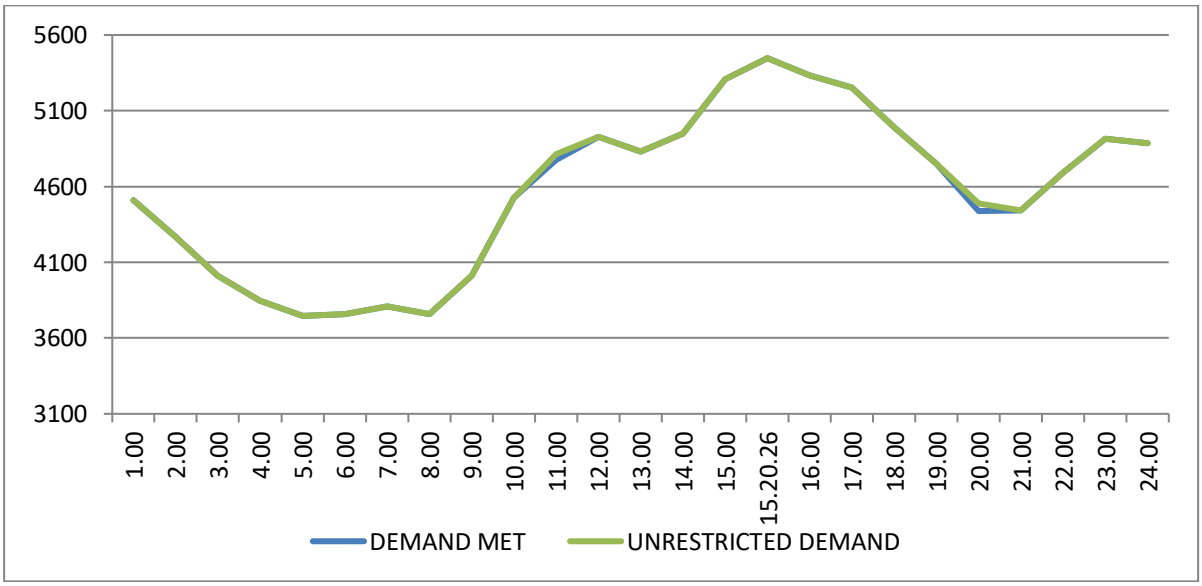
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	4508	0	4508
2.00	4267	0	4267
3.00	4013	0	4013
4.00	3848	0	3848
5.00	3746	0	3746
6.00	3759	0	3759
7.00	3809	0	3809
8.00	3760	0	3760
9.00	4012	0	4012
10.00	4528	0	4528
11.00	4774	38.4	4812.4
12.00	4928	0	4928
13.00	4829	0	4829
14.00	4948	0	4948
15.00	5306	0	5306
15.20.26	5447	0	5447
16.00	5333	0	5333
17.00	5253	0	5253
18.00	4991	0	4991
19.00	4750	0	4750
20.00	4437	52.5	4489.5
21.00	4443	0	4443
22.00	4692	0	4692
23.00	4916	0	4916
24.00	4885	0	4885
Total (IN MUS)	109.963	0.0998	110.063



11 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM ENERGY CONSUMED DURING APRIL 2024 – 26.04.2024 – 109.963Mus

All figures in MW

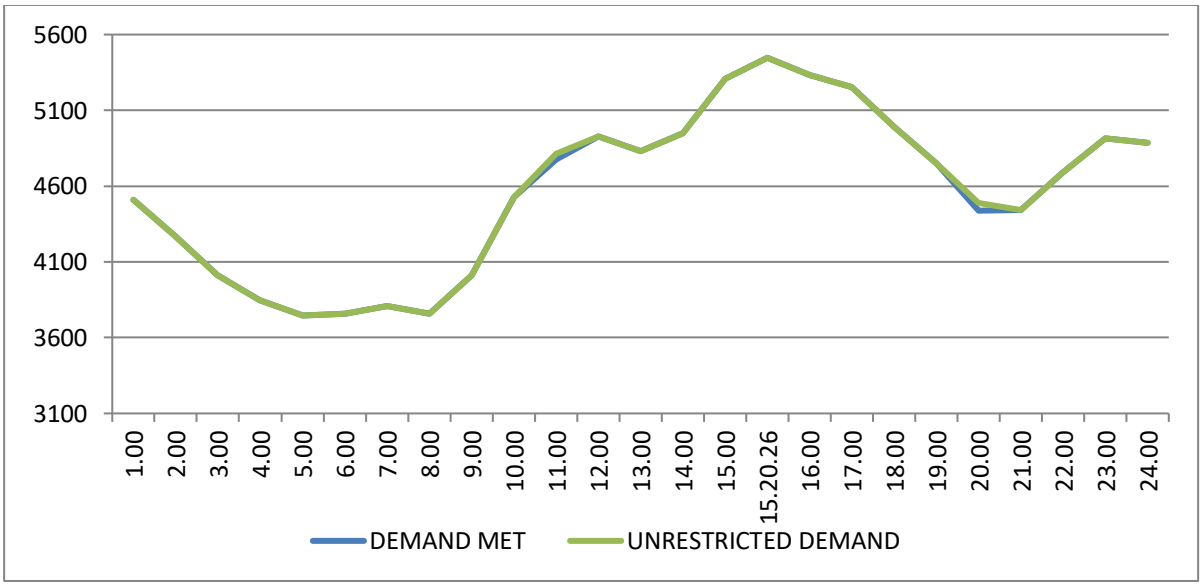
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	4508	0	4508
2.00	4267	0	4267
3.00	4013	0	4013
4.00	3848	0	3848
5.00	3746	0	3746
6.00	3759	0	3759
7.00	3809	0	3809
8.00	3760	0	3760
9.00	4012	0	4012
10.00	4528	0	4528
11.00	4774	38.4	4812.4
12.00	4928	0	4928
13.00	4829	0	4829
14.00	4948	0	4948
15.00	5306	0	5306
15.20.26	5447	0	5447
16.00	5333	0	5333
17.00	5253	0	5253
18.00	4991	0	4991
19.00	4750	0	4750
20.00	4437	52.5	4489.5
21.00	4443	0	4443
22.00	4692	0	4692
23.00	4916	0	4916
24.00	4885	0	4885
Total (IN MUS)	109.963	0.0998	110.063



12 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UNRESTRICTED ENERGY DEMAND DURING APIRL 2024 ON 26.04.2024- 110.063MUs

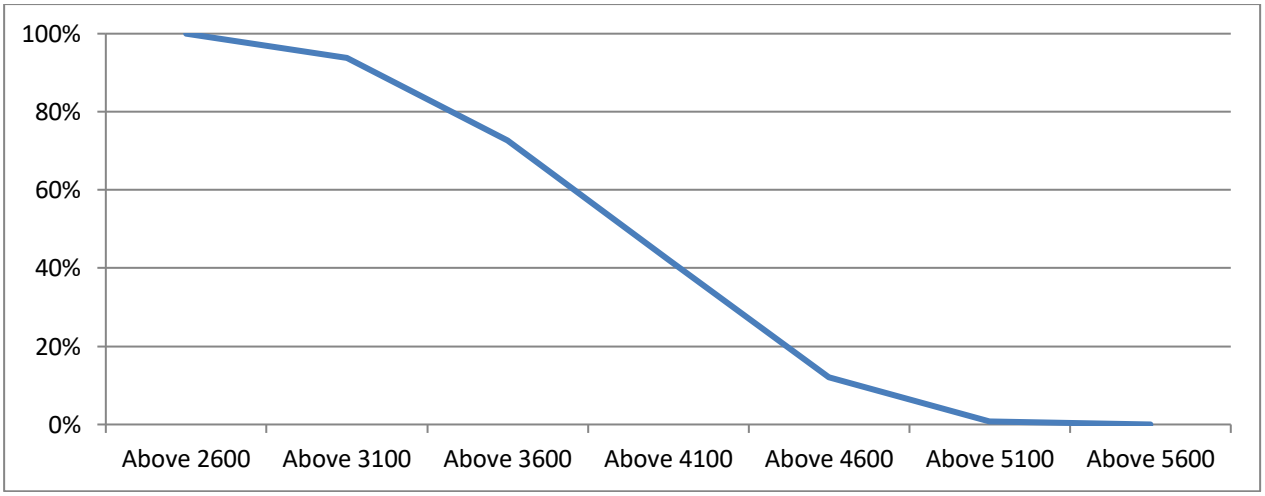
All figures in MW

Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	4508	0	4508
2.00	4267	0	4267
3.00	4013	0	4013
4.00	3848	0	3848
5.00	3746	0	3746
6.00	3759	0	3759
7.00	3809	0	3809
8.00	3760	0	3760
9.00	4012	0	4012
10.00	4528	0	4528
11.00	4774	38.4	4812.4
12.00	4928	0	4928
13.00	4829	0	4829
14.00	4948	0	4948
15.00	5306	0	5306
15.20.26	5447	0	5447
16.00	5333	0	5333
17.00	5253	0	5253
18.00	4991	0	4991
19.00	4750	0	4750
20.00	4437	52.5	4489.5
21.00	4443	0	4443
22.00	4692	0	4692
23.00	4916	0	4916
24.00	4885	0	4885
Total (IN MUS)	109.963	0.0998	110.063



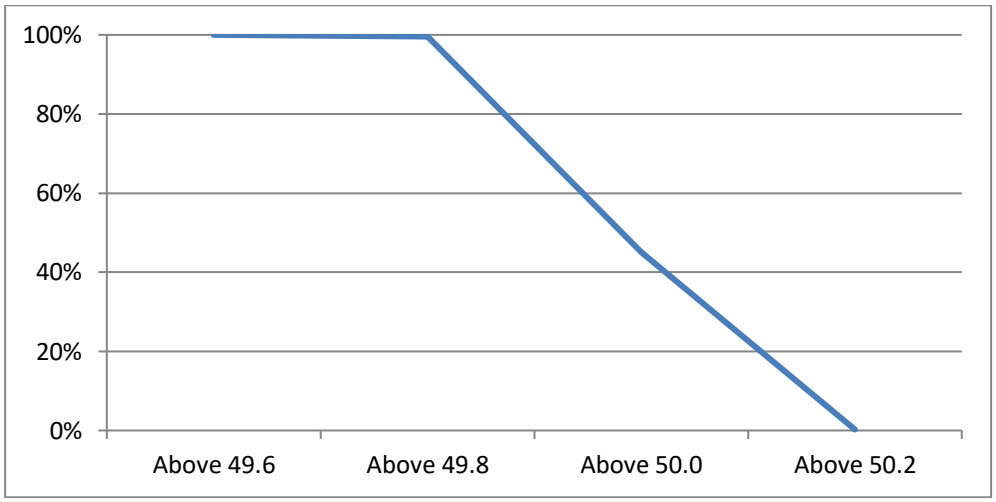
13 LOAD DURATION CURVE FOR APRIL 2024

LOAD REMAINED ABOVE IN MW	(%) OF TIME
Above 2600	100%
Above 3100	93.75%
Above 3600	72.74%
Above 4100	42.24%
Above 4600	12.08%
Above 5100	0.76%
Above 5600	0.00%



14 FREQUENCY ANALYSIS FOR THE MONTH OF APRIL 2024

FREQUENCY REMAINED ABOVE IN HZ	(%) OF TIME
Above 49.6	100%
Above 49.8	99.54%
Above 50.0	45.12%
Above 50.2	0.24%



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

All figures in kV

Date	NARELA		GAZIPUR	
	Max	Min	Max	Min
01.04.24	229.18	219.89	232.97	225.05
02.04.24	230.69	219.64	235.04	223.83
03.04.24	230.43	218.15	233.84	221.02
04.04.24	229.24	217.41	232.81	221.90
05.04.24	227.95	217.03	232.54	219.62
06.04.24	228.19	219.72	232.61	220.37
07.04.24	228.97	220.09	233.02	224.13
08.04.24	228.43	217.88	232.28	221.94
09.04.24	228.36	218.73	232.71	219.81
10.04.24	227.99	217.98	232.23	220.88
11.04.24	226.87	219.67	230.81	221.22
12.04.24	228.97	218.97	231.52	219.54
13.04.24	228.33	220.19	230.91	221.76
14.04.24	230.37	221.25	232.38	224.30
15.04.24	229.90	219.66	232.22	221.76
16.04.24	228.73	220.30	230.33	219.32
17.04.24	230.21	220.56	230.15	221.07
18.04.24	229.65	220.82	230.12	220.38
19.04.24	227.89	218.94	229.56	221.34
20.04.24	228.01	219.69	230.64	219.08
21.04.24	228.65	220.98	231.06	221.62
22.04.24	228.16	218.74	231.85	217.74
23.04.24	228.44	218.31	231.92	220.26
24.04.24	228.43	218.16	233.43	219.34
25.04.24	227.70	218.67	232.52	218.03
26.04.24	226.95	218.06	231.02	217.77
27.04.24	226.85	217.24	230.81	215.98
28.04.24	227.81	219.17	230.91	220.40
29.04.24	227.54	216.81	230.95	212.69
30.04.24	228.60	220.15	231.09	215.78

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

All figures in kV

Date	400kV Bamnauli Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01.04.24	422.77	2:59:06	407.76	10:21:03	415.65
02.04.24	424.22	4:01:13	406.48	10:43:06	416.32
03.04.24	424.06	3:00:47	403.39	10:47:30	414.71
04.04.24	421.77	3:59:11	405.54	10:11:49	413.86
05.04.24	420.83	4:00:51	405.44	10:34:29	413.94
06.04.24	420.90	1:57:36	406.65	12:21:19	414.26
07.04.24	422.18	4:01:52	408.78	9:51:16	416.72
08.04.24	421.57	3:02:07	405.57	10:10:59	414.37
09.04.24	421.05	3:01:16	405.35	9:46:36	413.21
10.04.24	421.06	4:00:29	406.03	11:37:00	414.00
11.04.24	419.75	4:02:09	406.61	11:31:31	413.45
12.04.24	420.56	4:00:55	403.12	12:09:50	412.41
13.04.24	420.08	17:38:29	0.00	8:33:12	410.72
14.04.24	424.97	13:22:00	410.42	20:36:33	416.56
15.04.24	421.00	4:00:34	407.23	10:22:14	413.60
16.04.24	421.04	3:59:06	404.43	10:30:16	413.26
17.04.24	420.94	13:04:29	408.30	19:16:37	413.93
18.04.24	420.31	4:03:32	406.27	11:49:35	412.02
19.04.24	419.38	13:01:22	403.87	10:26:34	410.78
20.04.24	419.70	4:02:24	404.92	19:32:21	411.91
21.04.24	420.79	13:00:26	405.98	22:47:47	413.23
22.04.24	419.42	4:00:12	402.41	10:38:24	409.52
23.04.24	422.92	18:00:35	403.23	11:39:36	411.40
24.04.24	420.62	4:02:21	403.70	19:25:56	410.90
25.04.24	419.54	4:00:59	401.96	11:39:43	409.73
26.04.24	417.76	18:04:02	399.99	10:54:44	410.71
27.04.24	417.94	3:59:38	401.53	11:49:07	410.67
28.04.24	419.97	4:01:31	404.00	22:13:03	413.36
29.04.24	417.73	4:01:45	399.24	14:50:56	408.19
30.04.24	419.56	4:02:12	401.62	14:50:01	410.02

All figures in kV

Date	400kV Bawana Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01.04.24	418.60	3:58:53	404.41	11:37:58	411.75
02.04.24	419.96	4:01:13	403.32	10:43:54	411.71
03.04.24	418.08	3:00:35	398.91	10:43:34	410.01
04.04.24	416.23	3:59:05	401.26	11:28:09	409.20
05.04.24	415.37	3:59:55	401.28	10:34:16	409.14
06.04.24	415.92	1:29:22	402.05	12:21:12	409.59
07.04.24	418.01	3:00:41	405.23	9:49:46	412.47
08.04.24	418.39	3:01:55	401.09	10:11:31	410.37
09.04.24	417.41	3:01:20	401.37	10:43:38	409.10
10.04.24	416.93	4:01:08	401.75	11:24:08	409.83
11.04.24	416.16	4:01:31	403.18	11:22:17	409.44
12.04.24	417.68	3:59:36	402.36	19:21:11	409.72
13.04.24	416.54	4:01:32	404.47	10:09:03	410.10
14.04.24	419.88	13:22:08	407.00	19:20:30	412.21
15.04.24	417.67	4:01:59	404.56	19:18:32	410.31
16.04.24	415.96	4:01:43	401.73	19:19:21	409.18
17.04.24	416.13	13:04:24	403.03	19:16:37	409.45
18.04.24	415.28	4:00:48	402.30	22:45:55	408.23
19.04.24	414.76	18:00:37	402.43	10:44:31	408.25
20.04.24	417.71	13:08:27	406.13	19:27:55	411.40
21.04.24	416.95	13:00:27	403.87	22:29:00	411.41
22.04.24	415.33	4:00:19	400.84	22:20:34	407.73
23.04.24	418.28	18:00:55	402.55	11:39:32	409.20
24.04.24	417.90	4:02:31	403.85	19:24:35	410.44
25.04.24	415.80	4:00:55	403.37	19:48:33	409.19
26.04.24	414.85	18:03:07	403.76	19:19:48	409.58
27.04.24	414.86	3:59:19	403.34	22:52:44	409.70
28.04.24	418.14	16:02:33	403.61	22:14:54	411.68
29.04.24	415.80	4:01:53	402.16	22:22:54	408.35
30.04.24	413.77	4:02:13	399.11	11:08:18	407.99

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

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
1	01.04.24	7:14	220kV GOPALPUR- MANDOLACKT-II	01.04.24	13:20	AT GOPALPUR : DIST PROT, ZONE-I, DIST 4.658KM.
2	03.04.24	5:25	220kV MEHRAULI - VASANT KUNJ CKT.-I	03.04.24	9:51	AT VASANT KUNJ : O/C, Y PHASE.
3	03.04.24	19:00	220kV MEHRAULI - VASANT KUNJ CKT.-I	03.04.24	19:20	AT VASANT KUNJ : 186A&B, O/C, Y PHASE.
4	03.04.24	20:17	220kV MEHRAULI - VASANT KUNJ CKT.-I	04.04.24	19:25	AT VASANT KUNJ : O/C, Y PHASE. 18A&B
5	04.04.24	9:03	220kV GOPALPUR- MANDOLACKT-II	04.04.24	14:53	AT MANDOLA : DIST PROT, DIST 22.6KM, B PHASE.
6	04.04.24	12:10	WAZIRPUR 220/33kV 100MVA Tx-II	04.04.24	12:33	OTI.
7	05.04.24	17:43	DEVNAGAR 220/33KV 100MVA -IV	05.04.24	18:27	86
8	08.04.24	7:26	PARKSTREET 220/33kV 100MVA Tx-I	08.04.24	8:12	I/C TRIPPED ON O/C, Y&B PHASE.
9	08.04.24	7:26	PARKSTREET 220/33kV 100MVA Tx-II	08.04.24	8:12	I/C TRIPPED ON O/C , Y & B PHASE.
10	08.04.24	23:33	KANJHAWALA 220/66kV 100MVA Tx-II	09.04.24	9:20	86
11	09.04.24	4:25	220kV GOPALPUR-SUBZI MANDI CKT-II	09.04.24	5:02	AT GOPALPUR : TRIPPED WITHOUT INDICATOIN.
12	09.04.24	7:54	220kV BAWANA-DSIIDC BAWANA CKT-I	09.04.24	10:07	AT DSIDC BAWANA : Y PHASE, 86/
13	10.04.24	6:51	OKHLA 220/33kV 100MVA Tx-V	10.04.24	7:38	DIFFERENTIAL, 186A&B.
14	11.04.24	11:51	220kV MAHARANI BAGH - PRAGATI CKT	11.04.24	15:15	AT PRAGATI : 186, B PHASE JUMPER SNAPPED.
15	12.04.24	13:26	220kV GOPALPUR- MANDOLACKT-II	12.04.24	20:57	AT GOPALPUR : DIST PROT, ZONE-I, Y&B PHASE, DIST 13.34KM.
16	13.04.24	20:02	220kV MAHARANI BAGH - SARITA VIHAR CKT	13.04.24	20:20	AT SARITA VIHAR : B PHASE, POLE DISCRIPANCY.
17	13.04.24	23:27	220kV BAMNAULI-PAPPANKALAN-I CKT-II	14.04.24	11:23	AT PAPANKALAN-I : DIST PROT., ZONE-I, DIST 12.41KM., R&B PHASE, 86ABC.
18	14.04.24	10:40	220kV NARELA - MANDOLA CKT-II	14.04.24	12:03	AT NARELA :R PAHSE, DIFFERENTIAL.
19	14.04.24	13:03	SARITA VIHAR 220/66kV 100MVA Tx-III	16.04.27	21:30	86, HV REF.
20	16.04.24	2:42	RAJGHAT 220/33kV 100MVA Tx-2	16.04.24	4:00	O/C, E/F
21	16.04.24	2:42	RAJGHAT 220/33kV 100MVA Tx-I	16.04.24	18:10	O/C, E/F, 86
22	16.04.24	12:30	220kV WAZIRABAD - KASHMEREGATE CKT-II	16.04.24	13:49	AT KASHMIRI GATE : R&Y PHASE, DIST PROT, ZONE-I, 86ABC.
23	17.04.24	13:17	220kV SARITA VIHAR - BTPS CKT.-II	17.04.24	15:40	AT BTPS : TRIPPED WITHOUT INDICATION.
24	18.04.24	12:06	220kV BAMNAULI-NAJAFGARH CKT-II	18.04.24	15:18	AT NAJAFGARH : 186, 86ABC.
25	18.04.24	15:26	220kV BAMNAULI-NAJAFGARH CKT-II	18.04.24	17:42	AT NAJAFGARH : 96.
26	18.04.24	15:26	NAJAFGARH 220/66kV 160MVA Tx-II	18.04.24	17:38	96
27	18.04.24	15:26	NAJAFGARH 220/66kV 100MVA Tx-IV	18.04.24	17:39	96
28	19.04.24	2:10	SHALIMAR BAGH 220/33kV 100MVA Tx-III	19.04.24	13:52	DIFFERENTIAL, RYB PHASE. LV REF.
29	19.04.24	7:13	PARKSTREET 220/33kV 100MVA Tx-II	19.04.24	10:00	O/C, B PHASE, E/F, 86.

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
30	19.04.24	7:13	PARKSTREET 220/33kV 100MVA Tx-I	19.04.24	7:47	R PHASE, E/F, 86.
31	19.04.24	9:13	NARELA 66/11kV, 20MVA Tx-II	19.04.24	9:17	E/C
32	18.04.24	12:06	220kV BAMNAULI-NAJAFGARH CKT-II	18.04.24	15:18	AT NAJAFGARH : 186, 86ABC.
33	18.04.24	15:26	220kV BAMNAULI-NAJAFGARH CKT-II	18.04.24	17:42	AT NAJAFGARH : 96.
34	19.04.24	22:21	220kV SARITA VIHAR - BTPS CKT.-II	20.04.24	13:11	AT BTPS : TRIPPED WITHOUT INCICATION.
35	22.04.24	3:10	GAZIPUR 220/66kV 160MVA Tx-I	22.04.24	5:06	TRIPPED DUE TO UNHEALTHY COIL.
36	22.04.24	18:18	OKHLA 66/11kV, 20MVA Tx-II	23.04.24	12:55	DIFFERENTIAL, R&Y PHASE, 86.
37	23.04.24	18:15	GAZIPUR 220/66kV 160MVA Tx-I	23.04.24	20:05	SPR.
38	24.04.24	16:15	MASJID MOTH 220/33kV 100MVA Tr-III	24.04.24	21:40	86
39	25.04.24	18:09	220kV MAHARANI BAGH - LODHI ROAD CKT-I	25.04.24	21:25	AT LODHI ROAD : DIFFERENTIAL, Y PHASE, DIST PROT, DIST 1.2KM,.
40	26.04.24	12:45	220kV BAMNAULI-NAJAFGARH CKT-II	26.04.24	18:57	AT NAJAFAGARH : 186, B PHASE, DIFFERENTIAL.
41	26.04.24	13:16	RAJGHAT 220/33kV 100MVA Tx-2	26.04.24	20:25	TRIPPED WITHOUT INDICATION.
42	26.04.24	18:04	220kV WAZIRABAD-GEETA COLONY CKT-I	26.04.24	18:18	AT WAZIRABAD : RYB PHSE, DIST PROT, DIST 8.3KM, 86, E/F,
43	26.04.24	18:05	220kV WAZIRABAD-GEETA COLONY CKT-II	26.04.24	18:21	AT WAZIRABAD : DIST PROT, ZONE-I, B PHASE, 86, DIST 8.35KM.,
44	26.04.24	19:52	OKHLA 220/33kV 100MVA Tx-V	26.04.24	20:11	E/F, Y PHASE, O/C
45	26.04.24	19:58	OKHLA 220/33kV 100MVA Tx-III	26.04.24	20:11	RYB LPHASE, 86.
46	26.04.24	19:58	OKHLA 220/33kV 100MVA Tx-IV	26.04.24	20:11	O/C, RYB PHASE.
47	27.04.24	13:55	220kV MAHARANI BAGH - PRAGATI CKT	27.04.24	15:43	AT MAHARANI BAGH : TRIPPED WITHOUT INDICATION
48	29.04.24	7:55	NARELA 66/11kV, 20MVA Tx-II	29.04.24	13:37	I/C TRIPPED ON E/F.
49	29.04.24	23:15	INDRAPRASTHA POWER 220/33kV 100MVA Tx-III	29.04.24	23:55	O/C, B PHASE.
50	30.04.24	15:24	220 KV GOPALPUR-WAZIRABAD CKT-2	01.05.24	20:12	AT GOPALPUR : DIST PROT, ZONE-I, Y PHASE,

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

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