DELHI TRANSCO LTD.

STATE LOAD DISPATCH CENTER

PROGRESS REPORT

****

JUNE 2024

1 SALIENT FEATURES OF DELHI POWER SYSTEM

Sr. No.	Features	JUN. 2023	JUN. 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)**	**7226**	**8713**
	Date	14.06.23	19.06.24
	Time	15.24.20	15.06.55
3	**Peak Demand met (MW)**	**7226**	**8656**
	Date	14.06.23	19.06.24
	Time	15.24.20	15.06.55
4	Peak Availability (MW)	7187	8612
5	Shortage (-) / Surplus (+) in MW	(-) 39	(-) 44
6	Percentage Shortage (-) / Surplus (+)	(-) 0.54	(-) 0.51
7	Maximum Energy Consume in a day (Mus)	145.022	178.871
8	Energy Consumed during the month	**3675.273**	**4557.269**
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	0.337	0.744
	TPDDL	0.026	0.238
	BRPL	0.117	1.778
	BYPL	0.029	0.117
	NDMC	0.000	0.000
	MES	0.0000	0.000
	Other Agencies	0.001	1.720
	Total	**0.509**	**4.597**
10	**Grand Total in Mus**	**0.509**	**4.597**

2. PERFORMANCE OF GENERATING STATIONS WITHIN DELHI DURING JUN 2024

A) For the month of June 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	33.822	1.960	31.862	82.11	27.193
3.	PPCL	203.146	4.418	198.728	90.09	9.136
4.	Bawana	518.442	15.470	502.972	86.52	416.266
	TOTAL	**755.41**	**21.968**	**733.442**	--	**452.595**

WASTE TO ENERGY GENERATING PLANTS WITHIN DELHI

S. No	Stations	Gross Generation	Aux. Consumption	Net Generation
5.	Towmcl	13.050	1.899	11.151
6.	EDWPCL	5.551	0.892	4.659
7.	DMSWL	13.872	2.182	11.690
8.	TWEPL	18.508	1.904	16.604
	TOTAL	**50.981**	**6.877**	**44.104**

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

Power Station	Effective Capacity (MW)	Net Generation in MUs for Jun 2024	Availability (%) for May 2024	Cumulative Generation in MUs upto Jun 2024 for the year 2024-25	Cumulative Availability in % upto Jun 2024 for the year 2024-25
RPH	135	-0.120	--	-0.364	--
GT	90	31.862	82.11	74.459	90.67
PPCL	330	198.728	90.09	384.676	90.82
Bawana	1372	502.972	86.52	1280.671	92.98
TOTAL	1927	**733.442**	**--**	**1739.442**	--

WASTE TO ENERGY GENERATING PLANTS WITHIN DELHI

Power Station	Effective Capacity (MW)	Net Generation in MUs for Jun 2024	Cumulative Generation in MUs upto Jun 2024 for the year 2024-25
Towmcl	16	11.151	35.799
EDWPCL	10	4.659	13.713
DMSWL	24	11.690	34.664
TWEPL	25	16.604	50.84
TOTAL	**75**	**44.104**	**135.016**

3 DETAILS OF OUTAGES OF GENERATING STNS. WITHIN DELHI FOR JUNE 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	21.05.24	12.05	21.05.24	14.10	Unit tripped on generator loss of field operated on protection panel in CCT. Electrical trouble, normal shut down
2	30	NIL				
3	30	NIL				
4	30	NIL				
5	30	01.04.24	00.00	09.05.24	11.45	Unit stopped due to less demand
		11.05.24	00.01	13.05.24	23.59	GT#5 is standby as there is no demand from NLDC
		19.05.24	00.02	20.05.24	21.02	GT#5 is standby as there is no demand from NLDC
		25.05.24	00.02	28.05.24	23.56	GT#5 is standby as there is no demand from NLDC
		02.06.24	00.01	03.06.24	23.59	GT#5 is standby as there is no demand from NLDC
6	30	01.04.24	00.00	30.04.24	23.59	Unit stopped due to less demand
		24.05.24	16.13	24.05.24	17.30	Unit tripped at IO Pack Communication failure.
		08.06.24	00.00	10.06.24	11.48	GT#6 is standby as there is no demand from NLDC
		15.06.24	00.02	17.06.24	23.59	GT#6 is standby as there is no demand from NLDC
		22.06.24	00.00	30.06.24	23.59	GT#6 is standby as there is no demand from NLDC
STG-1	30	21.05.24	12.05	21.05.24	15.16	Unit tripped on generator loss of field operated on protection panel in CCT. Electrical trouble, normal shut down
		22.05.24	11.15	22.05.24	12.16	Unit tripped on oil pressure below piston low.
		21.06.24	16.34	21.06.24	17.49	Blr#1 tripped due to differential relay operated in 20 MVA.
STG-2	30	NIL				
STG-3	30	01.05.24	00.00	09.05.24	14.24	Blr#5 is standby as there is no demand from SLDC
		11.05.24	00.01	13.05.24	23.59	Blr#5 is standby as there is no demand from NLDC
		19.05.24	00.02	20.05.24	23.02	Blr#5 is standby as there is no demand from NLDC
		24.05.24	16.13	24.05.24	18.32	Unit tripped at IO Pack Communication failure of GT#6.
		25.05.24	00.02	29.05.24	02.06	Blr#5 is standby as there is no demand from NLDC
		02.06.24	00.01	04.06.24	02.09	Blr#5 is standby as there is no demand from NLDC
		08.06.24	00.00	10.06.24	15.17	Blr#6 is standby as there is no demand from NLDC
		15.06.24	00.04	17.06.24	23.59	Blr#6 is standby as there is no demand from NLDC
		23.06.24	11.00	30.06.24	23.59	Blr#6 is standby as there is no demand from NLDC

(C) PRAGATI

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	104	01.04.24	00.00	01.05.24	08.02	Unit stopped due to less demand
		25.05.24	16.10	25.05.24	16.35	Unit tripped due to grid disturbance
		11.06.24	14.10	11.06.24	16.48	Unit tripped due to grid disturbance
		28.06.24	17.00	30.06.24	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
		01.05.24	11.24	15.05.24	07.19	Unit stopped due to less demand
		11.06.24	14.10	11.06.24	15.22	Unit tripped due to grid disturbance
		18.06.24	05.57	18.06.24	08.58	Unit stopped to attend fault
		28.06.24	17.00	28.06.24	18.09	Unit stopped due to less demand
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
		01.05.24	11.38	01.05.24	13.38	Tripped due toInternal fault
		01.05.24	15.12	01.05.24	21.35	Tripped due toInternal fault
		08.05.24	20.03	08.05.24	22.00	Unit stopped to attend fault
		25.05.24	16.10	25.05.24	17.20	Unit tripped due to grid disturbance
		11.06.24	14.10	11.06.24	16.22	Unit tripped due to grid disturbance
		28.06.24	17.00	28.06.24	19.08	Unit stopped due to less demand

(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
		05.05.24	12:30	05.05.24	17:00	Forced Ouatge: Due to breakdown in AOP of GT#1.
		20.05.24	00:45	20.05.24	11:30	Forced Ouatge: Due to fire at bay 415 400kv line isolator our machine tripped due to internal fault.
		22.05.24	04:07	22.05.24	16:00	Forced Ouatge: Due to internal fault.
		07.06.24	05.16	07.06.24	08.30	Forced Ouatge: Due to internal fault.
2	216	20.04.24	08.59	20.04.24	16.40	GAS LEAKAGE AT GAIL TERMAINAL MAIN HEADER LINE
		20.05.24	00:45	20.05.24	06:15	Forced Ouatge: Due to fire at bay 415 400kv line isolator our machine tripped due to internal fault.
		22.05.24	04:07	22.05.24	16:00	Forced Ouatge: Due to internal fault.
		28.05.24	22:30	29.05.24	08:00	Forced Ouatge: Due to internal fault.
		03.06.24	13.00	06.06.24	05.00	Forced Ouatge: Due to failed to accelerate.
3	216	20.04.24	09.15	20.04.24	24.00	GAS LEAKAGE AT GAIL TERMAINAL MAIN HEADER LINE
		08.05.24	18:00	08.05.24	23:30	Forced Ouatge: Due to trouble in combustion dynamics of GT-3
		20.05.24	00:45	20.05.24	06:00	Forced Ouatge: Due to fire at bay 415 400kv line isolator our machine tripped due to internal fault.
		13.06.24	03.58	13.06.24	08.30	Forced Ouatge: Due to exhaust temperature high
		18.06.24	17.00	18.06.24	22.15	Forced Ouatge: Due to gas valve malfunctioning.

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
4	**216**	20.04.24	09.15	20.04.24	24.00	Gas leakage at gail termainal main header line
		20.05.24	00:45	20.05.24	11:30	Forced Ouatge: Due to fire at bay 415 400kv line isolator our machine tripped due to internal fault.
		21.05.24	10:20	21.05.24	13:20	Forced Ouatge:to attend the fault of bay 410 we are stopping GT#4 from 10.30 hrs.
		24.05.24	11:32	24.05.24	16:00	Forced Ouatge: Due to internal fault.
		18.06.24	22.15	19.06.24	19.30	Forced Ouatge: Due to leakage from the tube of HRSG-4.
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)
		05.05.24	12:30	05.05.24	17:00	Forced Ouatge: Due to outage of GT#1.
		20.05.24	00:45	20.05.24	11:30	Forced Ouatge: Due to fire at bay 415 400kv line isolator our machine tripped due to internal fault.
		20.05.24	00:45	20.05.24	08:15	Forced Ouatge: Due to fire at bay 415 400kv line isolator our machine tripped due to internal fault.
		22.05.24	04:07	22.05.24	16:00	Forced Ouatge: Due to outage of GT#1.
		22.05.24	04:07	22.05.24	16:00	Forced Ouatge: Due to outage of GT#2.
		28.05.24	22:30	29.05.24	08:00	Forced Ouatge: Due to outage of GT#2.
		03.06.24	13.00	06.06.24	05.00	Forced Ouatge: Due to outage of GT#2.
		07.06.24	05.18	07.06.24	08.30	Forced Ouatge: Due to outage of GT#1.
STG-2	**254**	20.04.24	09.15	20.04.24	24.00	OUT DUE TO OUTAGE OF GT-3 & 4
		08.05.24	18:00	08.05.24	23:30	Forced Ouatge: Due to outage of GT#3.
		20.05.24	00:45	20.05.24	06:00	Forced Ouatge: Due to fire at bay 415 400kv line isolator our machine tripped due to internal fault.
		20.05.24	00:45	20.05.24	11:30	Forced Ouatge: Due to fire at bay 415 400kv line isolator our machine tripped due to internal fault.
		21.05.24	10:20	21.05.24	13:20	Forced Ouatge: Due to outage of GT#4.
		24.05.24	11:32	24.05.24	16:00	Forced Ouatge: Due to outage of GT#4.
		13.06.24	03.58	13.06.24	08.30	Forced Ouatge: Due to outage of GT#3.
		18.06.24	17.00	18.06.24	22.15	Forced Ouatge: Due to outage of GT#3.
		18.06.24	22.15	19.06.24	19.30	Forced Ouatge: Due to outage of HRSG-4 /GT#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. 28.03.2024

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 Based Stns		**In%**	**in MW**							
GAS TURBINE	90	100	90	37.38	20.47	26.70	4.45	0.00	1.00	
PRAGATI	330	100	330	93	53	64	100	20		
BAWANA CCGT*	1371	80	1097	427	**247**	298	**100**	25		
ANTA GPS	419	**13.03421**	**54.61**	**24.38**	**11.17**	**13.50**	**5.56**	0		
Auriya GPS	663.36	**13.37568**	**88.73**	**39.59**	**18.30**	**22.10**	**8.74**	0		
Dadri GPS	829.78	**13.57846**	**112.67**	**50.29**	**23.09**	**27.91**	**11.38**	0		
Total Gas Based	**3703.14**		**1773**	**672**	**373**	**452**	**230**	**45**	**1.00**	**0.00**
Coal Based Stn										
Singrauli STPS	2000	**8.053098**	**161.06**	**34.91**	**74.34**	**46.02**	**5.79**	0		
Rihand Stage-I	1000	**10.549559**	**105.50**	**71.94**	**0.00**	**30.68**	**2.88**	0		
Rihand Stage -II	1000	**13.197347**	**131.97**	**58.18**	**32.00**	**38.66**	**3.13**	0		
Rihand Stage-III	1000	**13.854718**	**138.55**	**81.33**	**53.74**	**0.00**	**3.48**	0		
Dadri (Th) -II	980	**74.962280**	**734.63**	**546.43**	**175.10**	**9.98**	**3.12**	0		
Unchahaar-I TPS	420	**5.921062**	**24.87**	**10.96**	**6.09**	**7.36**	**0.46**	0		
Unchahaar-II TPS	420	**11.853718**	**49.79**	**21.97**	**11.94**	**14.42**	**1.46**	0		
Unchahaar-III TPS	210	**14.463098**	**30.37**	**13.39**	**7.37**	**8.90**	**0.72**	0		
Unchahaar-IV TPS	500	**0.663718**	**3.32**	**1.58**	**0.00**	**0.00**	**1.74**			
Jhajjar	1500	**47.480586**	**712.21**	**19.15**	**69.21**	**613.79**	**10.06**	0		
Meja TPS	1320	**1.263735**	**16.68**	**7.94**	**0.00**	**0.00**	**8.74**			
Tanda-II TPS	1320	**0.442478**	**5.84**	**2.78**	**0.00**	**0.00**	**3.06**			
Farakka(From ER)	1600	1.39	22.24	9.768	5.648	6.824	0	0		
Kahalgaon-I(From ER)	840	6.07	50.99	22.395	12.953	15.641	0	0		
Kahalgaon-II(From ER)	1500	10.49	157.35	69.105	39.970	48.270	0	0		
SASAN	3960	11	446	**66.077**	**311.086**	**68.337**	0	0		
DVC(CTPS7 &8) LTA #	500		291.72	131.76	76.20	83.76				
DVC(Mejia6) LTA	250		100.00	44	25	31	0	0		
CLP Jhajjar(Th)	1320		124.00			124				
Mejia-7(Th)	500		119.19		119					
Methan(Th)	1050		281.25			281				
Kudgi TPS(SR)	2400									
BRBCL	1000		20.00							20.0
Total Coal Based	**26590**		3727.02	1213.58	1020.24	1428.5697	44.64	0	0	20
Hydro Based Stn										
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	**16.36297**	**49.09**	**21.89**	**10.16**	**12.27**	**4.77**	0		
Chamera-III HEP	231	**15.26147**	**35.25**	**15.70**	**7.47**	**9.03**	**3.06**	0		
URI-I HEP	480	11.04	52.99	23.28	13.46	16.26		0		
URI -II HEP	240	**15.97947**	**38.35**	**17.07**	**8.20**	**9.90**	**3.18**	0		
Sewa HEP	120	**15.85747**	**19.03**	**8.47**	**4.06**	**4.91**	**1.59**	0		
Dhauli Ganga HEP	280	**15.73747**	**44.06**	**19.62**	**9.39**	**11.35**	**3.71**	0		
Dulhasti HEP	390	**15.35747**	**59.89**	**26.67**	**12.71**	**15.35**	**5.16**	0		
Parbati-III HEP	520	**15.25747**	**79.34**	**35.33**	**16.81**	**20.31**	**6.88**	0		
Nathpa Jhakri HEP	1500	**11.14319**	**167.15**	**74.34**	**36.08**	**43.58**	**13.15**	0		
Tehri Hydro	1000	**7.96813**	**79.68**	**51.61**	**0.00**	**19.33**	**8.74**	0		
Koteshwar HEP	400	**11.52813**	**46.11**	**30.52**	**0.00**	**12.10**	**3.50**	0		
Singrauli Hyd	8	**21.65747**	**1.73**	**0.10**	**0.00**	**1.53**	**0.11**			
Tala HEP	1020	2.94	29.99	13	8	9	0	0		
Kishan Ganag	330	**2.52747**	**8.34**	**3.97**	**0.00**	**0.00**	**4.37**			
Koldem	800	**1.17106**	**9.37**	**4.46**	**0.00**	**0.00**	**4.91**			
Rampur	412.02	**1.54007**	**6.35**	**3.02**	**0.00**	**0.00**	**3.32**			
Surya Kanta(LTA)	25		14.00			14				
Nanti Hydro(LTA)	12		11.45			11				
Teranda (HYD)(LTA) (From 08.1.2020)	18		12.65			12.65				
GMR Bajoli Holi Hyd (From 26.06.23)(DIAL)			33.00	33						
Total Hydro	**9590.02**		**952.54**	**474.8**	**165.3**	**246.1**	**66.4**	**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
Nuclear Based Stn										
Narora APS	440	**13.13165**	**57.78**	**37.71**	**0.00**	**14.42**	**5.65**	0		
RAPP (C)	440	**16.78787**	**73.87**	**33.11**	**14.18**	**17.13**	**9.44**	0		
Total Nuclear	**880**		131.645884	70.823256	14.1812	31.546346	15.0951	0	0	
Solar Based Stns.										
SECI			60.00	20	20	20				
RUMS - DMRC	750		99.00	47.5	26.3	25.2				
Sun Edision (From 18.11.2019)	400		180.00			180				
Eden Renewable Cite Pvt Ltd(Solar)(REMC)	350		300.00	250.00	50.00					
Adani Solar Pvt. Ltd(KSMPL)(REMC)	50		50.00		50.00					
SBSR Power Clintak 11(REMC)	200		150.00		50.00	100.00				
Avikaran Solar(A	**300**		**300.00**	**210.00**	**90.00**					
Azure (REMC)	100		100.00	100.00						
Total Solar	**2150**		**1239**	**627.258**	**286.568**	**325.174**	**0**	**0**	**0**	**0**
Wind Based Stns.										
Tutikoren(REMC)	50		50.00	50						
Alfanar wind SECI-3(REMC)	300		250.00	150.00	50.00	50.00				
Morjar Windfarm Dev (SECI)	79.5		30.60	30.60						
SITAC Wind (SECI)	300		**190.80**	95.40	95.40					
Total Wind	**729.5**	**0**	**521.40**	**326**	**145**	**50**	**0**	**0**	**0**	**0**
Waste to Energy Stns										
EDWPCL(WEP)	12									
Bawana(WEP)	24	100	24	10	6	7	1	0		
TOWMCL(WEP)	23		17.94	9.0	0	6.13	0			
Tehkhand	25	100.00	25	10.4	6	7.52	1			
Total WTE	**84**		**67**	**29**	**12**	**21**	**2**	**0**	**0**	**0**
Total in MW	**43727**		**8411**	**3414**	**2016**	**2554**	**359**	**45**	**1**	**20**

B) ALLOCTION OF DELHI AND DISCOMS (IN %AGE) FROM VARIOUS CENTRAL SECTOR, STATE SECTOR GENERATING STATIONS ALONG WITH LTAs w.e.f. 28.03.2024

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
Gas Based Stns										
GAS TURBINE	90	100	90	41.530	22.740	29.670	4.950	0.000	1.110	
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	9.12	2.28		
ANTA GPS	419	13.034210	54.61	44.6423	20.4615	24.7116	10.18430	0.00		
Auriya GPS	663.36	13.375676	88.73	44.6179	20.6195	24.9109	9.85173	0.00		
Dadri GPS	829.78	13.578460	112.67	44.6311	20.4932	24.7712	10.10110	0.00		
Total Gas Based	3703.14		1773							
Coal Based Stn										
Singrauli STPS	2000	8.053098	161.06	21.6734	46.1562	28.5729	3.5976	0.00		
Rihand Stage-I	1000	10.549559	105.50	68.1895	0.0000	29.0818	2.7287	0.00		
Rihand Stage -II	1000	13.197347	131.97	44.0880	24.2473	29.2938	2.3709	0.00		
Rihand Stage-III	1000	13.854718	138.55	58.7024	38.7882	0.0000	2.5093	0.000		
Dadri (Th) -II	980	74.962280	734.63	74.3814	23.8353	1.3589	0.4243	0.000		
Unchahaar-I TPS	420	5.921062	24.87	44.0547	24.4889	29.5893	1.8672	0.00		
Unchahaar-II TPS	420	11.853718	49.79	44.1267	23.9781	28.9622	2.9329	0.00		
Unchahaar-III TPS	210	14.463098	30.37	44.0961	24.2654	29.2946	2.3653	0.00		
Unchahaar-IV TPS	500	0.663718	3.32	47.6190	0.0000	0.0000	52.3810	0.00		
Jhajjar	1500	47.480586	712.21	2.6884	9.7176	86.1812	1.4128	0.00		
Meja TPS	1320	1.263735	16.68	47.6190	0.0000	0.0000	52.3810	0.00		
Tanda-II TPS	1320	0.442478	5.84	47.6190	0.0000	0.0000	52.3810	0.00		
Farakka	1600	1.390000	22.24	43.92	25.40	30.68	0.00000	0.00		
Kahalgaon-I	840	6.070000	50.99	43.92	25.40	30.68	0.000	0.00		
Kahalgaon-II	1500	10.490000	157.35	43.92	25.40	30.68	0.000	0.00		
SASAN	3960	11.250000	445.50	14.832	69.828	15.339	0.000	0.00		
DVC(CTPS7 &8)	500		291.72	45.17	26.12	28.71				
DVC(Mejia6)	250		100.00	43.92	25.40	30.68	0.00	0.00		
CLP Jhajjar(Th)	1320		124.00			100.00				
Mejia-7(Th)	500		119.19		100.00					
Methan(Th)	1050		281.25			100.00				
Kudgi TPS(SR)	2400	0.00	0.00							
BRBCL	1000		20.00							100
Total Coal Based	26590		3727.0225							
Hydro Based Stn										
Baira Suil HPS	180	11.00	19.80	43.92	25.40	30.68	0.000	0.00		
Salal HPS	690	11.62	80.18	74.604	25.396	0.000	0.000	0.00		
Tanakpur HEP	94	12.81	12.07	43.92	25.40	30.68	0.000	0.00		
Chamera HEP	540	7.90	42.66	43.92	25.40	30.68	0.000	0.00		
Chamera-II HEP	300	16.36297	49.08890	44.6024	20.6931	24.9955	9.70910	0.00		
Chamera-III HEP	231	15.26147	35.25400	44.5341	21.1906	25.6004	8.67487	0.00		
URI-I HEP	480	11.04	52.992	43.92	25.40	30.68	0.000	0.00		
URI -II HEP	240	15.97947	38.35073	44.5043	21.3837	25.8269	8.28509	0.00		
Sewa HEP	120	15.85747	19.02896	44.5062	21.3527	25.7923	8.34883	0.00		
Dhauli Ganga HEP	280	15.73747	44.06492	44.5151	21.31865	25.7538	8.41249	0.00		
Dulhasti HEP	390	15.35747	59.89413	44.5292	21.2209	25.6292	8.62064	0.00		
Parbati-III HEP	520	15.25747	79.33884	44.5327	21.1896	25.6006	8.67715	0.00		
Nathpa Jhakri HEP	1500	11.14319	167.14779	44.4752	21.5863	26.0733	7.86517	0.00		
Tehri Hydro	1000	7.96813	79.68131	64.7749	0.00000	24.2591	10.96597	0.00		
Koteshwar HEP	400	11.52813	46.11252	66.1803	0.00000	26.2402	7.57957	0.00		
Singrauli Hyd	8	21.65747	1.73260	5.55724	0.00000	88.3067	6.11296	0.00		
Tala HEP	1020	2.94	29.99	43.92	25.40	30.68	0.00	0.00		
Kishan Ganag	330	2.52747	8.34065	47.6191	0.00000	0.00000	52.38095	0.00		
Koldem	800	1.17106	9.36849	47.6191	0.00000	0.00000	52.38095	0.00		
Rampur	412.02	1.54007	6.34540	47.6191	0.00000	0.00000	52.38095	0.00		
Surya Kanta(Hyd)	25		14.00			100.00				
Nanti Hydro	12		11.45			100.00				
Teranda (HYD) (From 08.1.2020)	18		12.65			100.00				
GMR Bajoli Holi Hyd (From 26.06.23)(DIAL)			33.00	100.00						
Total Hydro	9590.02		952.54							

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
Nuclear Based Stn										
Narora APS	440	13.1316	57.7792	65.2685	0.0000	24.9521	9.7794	0.0000		
RAPP (C)	440	16.7879	73.8666	44.8262	19.1984	23.1894	12.7860	0.0000		
Total Nuclear	880		131.64588							
Solar Based Stns.										
SECI			60.00	32.93	33.78	33.29				
RUMS - DMRC	750		99.00	47.98	26.57	25.45				
Sun Edision (From 18.11.2019)	400		180.00			100.00				
Eden Renewable Cite Pvt Ltd(Solar)	350		300.00	83.33	16.67					
Adani Solar Pvt. Ltd(KSMPL)(REMC)	50		50.00		100.00					
SBSR Power Clintak 11	200		150.00		33.33	66.67				
Avikaran Solar(A	300		300.00	70.00	30.00					
Azure (REMC)	100		100.00	100.00						
Total Solar	2150		1239							
Wind Based Stns.										
Tutikoren(REMC)	50		50.00	100.00						
Alfanar wind SECI-3(REMC)	300		250.00	60.00	20.00	20.00				
Morjar Windfarm Dev (SECI)	79.5		30.60	100.00						
SITAC Wind (SECI)	300		190.80	50.00	50.00					
Total Wind	729.5		521.4							
Waste to Energy Stns										
EDWPCL(WEP)	12									
Bawana(WEP)	24	100	24	41.81	23.90	29.20	5.09	0.00		
TOWMCL(WEP)	23		17.94	50.00	0.00	34.17	0.00	0.00	0.00	0.00
Tehkhand	25	100.00	25	41.72	23.33	30.09	4.86	0.00		
Total WTE	84		67	43.97	17.28	30.86	3.64			
Total	43727		8411							

5 POWER AVAILABILITY-DEMAND POSITION AT THE TIME OF PEAK DEMAND MET DURING JUNE 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	00.01.12	38	285	1021	18	9	8	10	1388	6537	6798	-261	7925	0	7925
2	23.44.09	32	289	603	18	10	18	26	996	6364	6433	-69	7360	0	7360
3	23.19.18	33	291	899	18	9	18	26	1294	6621	6548	73	7915	0	7915
4	15.04.37	38	284	507	19	0	17	25	889	6963	7076	-113	7852	0	7852
5	15.45.37	35	280	499	19	6	18	25	882	7116	7011	105	7998	0	7998
6	15.30.54	33	287	469	19	8	16	20	853	6629	6642	-13	7482	7	7489
7	16.05.51	36	283	461	19	0	16	12	828	6658	6558	100	7486	0	7486
8	00.00.37	37	284	478	19	10	18	11	857	6532	6515	17	7389	0	7389
9	23.34.21	37	289	602	19	9	7	26	989	6135	6127	8	7124	0	7124
10	23.22.26	38	292	815	19	9	4	27	1204	6354	6256	98	7558	0	7558
11	23.30.00	71	296	1175	19	9	5	26	1601	6051	6336	-285	7652	0	7652
12	23.19.12	39	292	881	19	0	0	27	1258	6532	6481	51	7790	0	7790
13	15.26.36	36	281	463	19	0	3	12	814	7191	7183	8	8005	0	8005
14	15.20.24	38	281	469	9	4	16	9	826	7394	7318	76	8220	4	8225
15	15.30.00	34	280	467	7	3	16	26	832	6861	6792	69	7693	2	7696
16	00.00.33	36	289	581	8	7	17	27	965	6842	6779	63	7807	0	7807
17	23.38.36	35	288	875	10	8	19	12	1247	6989	6840	149	8236	14	8249
18	15.22.15	34	279	1012	8	6	17	25	1380	7267	7402	-135	8647	53	8701
19	15.06.55	33	280	747	8	7	17	3	1095	7561	7517	44	8656	57	8713
20	23.07.05	38	289	1195	18	9	18	27	1593	6172	6285	-113	7765	3	7768
21	00.00.26	37	291	1119	18	9	18	26	1518	6145	6318	-173	7663	10	7673
22	15.33.25	36	286	739	19	8	18	26	1132	5875	5837	38	7007	0	7007
23	23.33.53	37	285	811	19	8	14	26	1201	6126	6278	-152	7327	0	7327
24	15.03.55	37	286	774	19	4	18	26	1164	6390	6460	-70	7554	0	7554
25	15.31.07	35	290	846	19	6	16	26	1238	6474	6327	147	7712	0	7712
26	15.10.18	38	286	466	19	5	17	20	851	6920	6735	185	7771	9	7780
27	00.00.14	38	293	558	19	10	17	24	958	6195	6176	19	7153	0	7153
28	00.00.12	38	290	301	12	9	19	21	691	6025	6084	-59	6716	0	6716
29	14.35.15	36	146	270	10	7	17	27	513	5707	5835	-128	6220	0	6220
30	22.55.41	36	148	301	10	9	6	11	522	6280	6360	-80	6802	0	6802

6 POWER AVAILABILITY- DEMAND POSITION AT THE TIME OF MAXIMUM UNRESTRICTED DEMAND DURING JUNE 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	00.01.12	38	285	1021	18	9	8	10	1388	6537	6798	-261	7925	0	7925
2	23.44.09	32	289	603	18	10	18	26	996	6364	6433	-69	7360	0	7360
3	23.19.18	33	291	899	18	9	18	26	1294	6621	6548	73	7915	0	7915
4	15.04.37	38	284	507	19	0	17	25	889	6963	7076	-113	7852	0	7852
5	15.45.37	35	280	499	19	6	18	25	882	7116	7011	105	7998	0	7998
6	15.30.54	33	287	469	19	8	16	20	853	6629	6642	-13	7482	7	7489
7	16.05.51	36	283	461	19	0	16	12	828	6658	6558	100	7486	0	7486
8	00.00.37	37	284	478	19	10	18	11	857	6532	6515	17	7389	0	7389
9	23.34.21	37	289	602	19	9	7	26	989	6135	6127	8	7124	0	7124
10	23.22.26	38	292	815	19	9	4	27	1204	6354	6256	98	7558	0	7558
11	23.30.00	71	296	1175	19	9	5	26	1601	6051	6336	-285	7652	0	7652
12	23.19.12	39	292	881	19	0	0	27	1258	6532	6481	51	7790	0	7790
13	15.26.36	36	281	463	19	0	3	12	814	7191	7183	8	8005	0	8005
14	15.20.24	38	281	469	9	4	16	9	826	7394	7318	76	8220	4	8225
15	15.30.00	34	280	467	7	3	16	26	832	6861	6792	69	7693	2	7696
16	00.00.33	36	289	581	8	7	17	27	965	6842	6779	63	7807	0	7807
17	23.38.36	35	288	875	10	8	19	12	1247	6989	6840	149	8236	14	8249
18	15.22.15	34	279	1012	8	6	17	25	1380	7267	7402	-135	8647	53	8701
19	15.06.55	33	280	747	8	7	17	3	1095	7561	7517	44	8656	57	8713
20	23.07.05	38	289	1195	18	9	18	27	1593	6172	6285	-113	7765	3	7768
21	00.00.26	37	291	1119	18	9	18	26	1518	6145	6318	-173	7663	10	7673
22	15.33.25	36	286	739	19	8	18	26	1132	5875	5837	38	7007	0	7007
23	23.33.53	37	285	811	19	8	14	26	1201	6126	6278	-152	7327	0	7327
24	15.03.55	37	286	774	19	4	18	26	1164	6390	6460	-70	7554	0	7554
25	15.31.07	35	290	846	19	6	16	26	1238	6474	6327	147	7712	0	7712
26	15.10.18	38	286	466	19	5	17	20	851	6920	6735	185	7771	9	7780
27	00.00.14	38	293	558	19	10	17	24	958	6195	6176	19	7153	0	7153
28	00.00.12	38	290	301	12	9	19	21	691	6025	6084	-59	6716	0	6716
29	14.35.15	36	146	270	10	7	17	27	513	5707	5835	-128	6220	0	6220
30	22.55.41	36	148	301	10	9	6	11	522	6280	6360	-80	6802	0	6802
31									0			0	0	0	0

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

(ALL FIGURES IN MUS)

GENERATION WITHIN DELHI	AVAILABILITY	SCHEDULE
Rajghat Power House	--	--
Gas Turbine	51.78	32.464
Pragati-I	208.18	199.041
Pragati-III (Bawana)	664.54	507.595
Rithala	--	--
Badarpur	--	--
Renewable (include WTE)	43.43	43.43
TOTAL DELHI GEN.	**967.93**	**739.100**

NAME OF STATION	AVAILABILITY	SCHEDULE
Gas Based Station		
ANTA GPP-GF	28.75	1.76
ANTA GPP-LF		
ANTA GPP-RF		
ANTA CRF		
AURAIYA GPP-GF	48.73	3.5093957
AURAIYA GPP-LF		
AURAIYA GPP-RF		
AURIYA CRF		
DADRI GPP-GF	48.93	2.9046245
DADRI GPP-LF		
DADRI GPP-RF		
DADRI CRF		
Coal Based Station		
SINGRAULI STPS	95.55	97.8031464
RIHAND STPS	66.80	65.3492565
RIHAND-II STPS	80.88	80.7887842
RIHAND-III STPS	90.21	**89.8420540**
DADRI II	495.24	383.9759277
UNCHAHAR-I TPS	15.12	12.9350327
UNCHAHAR-II TPS	30.91	26.7102515
UNCHAHAR-III TPS	19.24	16.7993025
UNCHAHAR - IV TPS	0.55	1.671891
JHAJJAR	192.44	192.4415711
Meja TPS	8.71	8.711230
Tanda-II TPS	3.56	3.556296
FARAKA	14.85	13.2771964
KAHALGAON1	31.67	28.8530570
KAHALGAON2	104.08	96.0692586
SASAN	293.96	293.7768150
Nabinagar STPS(BRBCL)	13.37	13.3712610

NAME OF STATION	AVAILABILITY	SCHEDULE
Hydro Station		
BAIRASIUL HEP	7.71	7.7110394
SALAL HEP	55.44	55.4395836
TANAKPUR HEP	4.08	4.0806613
CHAMERA HEP	24.19	24.1925729
CHAMERA HEP-II	34.37	34.3724478
CHAMERA III	24.49	24.4889086
URI HEP	25.75	25.7517384
URI 2 HEP	27.41	27.4089072
SEWA-II	4.74	4.7399413
DHAULIGANGA HEP	21.47	21.4729362
DULHASTI HEP	42.48	42.4782182
Parvati3	10.76	10.7565706
NATHPA JHAKRI HEP	127.09	127.0887162
TEHRI HEP	0.67	0.6709756
KOTESWAR	0.51	**0.5060858**
SINGRAULI SHEP	0.80	0.8001934
TALA	0.84	0.8406945
Kishan Ganag	5.86	5.858555
Koldam	5.62	5.623792
Rampur	4.79	4.788320
Nuclear Station		
NAPP	34.56	34.5626829
RAPP C	48.79	48.7937957
RAPPB_4 C	0.00	0.00
Total	**2195.96**	**1946.53**
LTA	**946.475**	**946.475**
Short Term (Purchase)	**1426.375**	**1426.375**
Short Term (Sale)		**-360.742**
TOTAL AVAILABILITY	**5536.74**	**4697.738**

8. SHEDDING DETAILS DURING THE MONTH OF JUNE 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
01.06.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
02.06.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
03.06.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
04.06.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
05.06.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
06.06.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
07.06.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
08.06.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
09.06.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10.06.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11.06.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12.06.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
13.06.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14.06.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15.06.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
16.06.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17.06.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
18.06.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
19.06.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20.06.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
21.06.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22.06.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
23.06.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
24.06.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25.06.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
26.06.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27.06.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
28.06.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
29.06.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30.06.24	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
01.06.24	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
02.06.24	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
03.06.24	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
04.06.24	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
05.06.24	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
06.06.24	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
07.06.24	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
08.06.24	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
09.06.24	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
10.06.24	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
11.06.24	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
12.06.24	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
13.06.24	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
14.06.24	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
15.06.24	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
16.06.24	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
17.06.24	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
18.06.24	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
19.06.24	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
20.06.24	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
21.06.24	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
22.06.24	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
23.06.24	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
24.06.24	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
25.06.24	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
26.06.24	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
27.06.24	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
28.06.24	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
29.06.24	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
30.06.24	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
01.06.24	0.0013	0.0037	0.0525	0.0000	0.0000	0.0000	0.0369	0.0000	0.0000
02.06.24	0.0000	0.0000	0.0070	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
03.06.24	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1487	0.0000	0.0000
04.06.24	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0105	0.0501	0.0000
05.06.24	0.1531	0.0024	0.0290	0.0000	0.0000	0.0312	0.0260	0.0640	0.0000
06.06.24	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0227	0.0238	0.0000
07.06.24	0.0000	0.0000	0.0114	0.0000	0.0000	0.0052	0.0104	0.0000	0.0000
08.06.24	0.0000	0.0000	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
09.06.24	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
10.06.24	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0338	0.0000	0.0000
11.06.24	0.0000	0.0123	0.0004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12.06.24	0.0000	0.0274	0.0000	0.0000	0.0000	0.0000	0.0886	0.0000	0.0000
13.06.24	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0624	0.0230	0.0000
14.06.24	0.0000	0.0009	0.0000	0.0000	0.0000	0.0000	0.0621	0.0053	0.0000
15.06.24	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0129	0.0035	0.0000
16.06.24	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0599	0.0000	0.0000
17.06.24	0.0000	0.0251	0.0000	0.0000	0.0000	0.0000	0.0698	0.0115	0.0000
18.06.24	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1972	0.0217	0.0000
19.06.24	0.0158	0.0000	0.0615	0.0000	0.0000	0.0046	0.5098	0.0095	0.0000
20.06.24	0.0000	0.0016	0.0000	0.0000	0.0000	0.0486	0.1254	0.0082	0.0000
21.06.24	0.0000	0.0000	0.0488	0.0000	0.0000	0.0050	0.0157	0.0120	0.0000
22.06.24	0.0000	0.0000	0.0000	0.0000	0.0000	0.0062	0.0000	0.0007	0.0000
23.06.24	0.0000	0.0224	0.0000	0.0000	0.0000	0.0000	0.0124	0.0000	0.0000
24.06.24	0.0258	0.0247	0.0000	0.0000	0.0000	0.0000	0.0112	0.0000	0.0000
25.06.24	0.0098	0.0149	0.0100	0.0000	0.0000	0.0000	0.0481	0.0000	0.0000
26.06.24	0.0000	0.0524	0.0000	0.0000	0.0000	0.0164	0.0719	0.0002	0.0000
27.06.24	0.0025	0.0000	0.0576	0.0000	0.0000	0.0000	0.0338	0.0000	0.0000
28.06.24	0.0283	0.0000	0.0071	0.0000	0.0000	0.0000	0.0682	0.0032	0.0000
29.06.24	0.0000	0.0000	0.0055	0.0000	0.0000	0.0000	0.0396	0.0003	0.0000
30.06.24	0.0011	0.0000	0.0277	0.0000	0.0000	0.0000	0.0000	0.0005	0.0000
TOTAL	**0.2377**	**0.1879**	**0.3187**	**0.0000**	**0.0000**	**0.1172**	**1.7780**	**0.2375**	**0.0000**

ALL FIGURES IN MUs

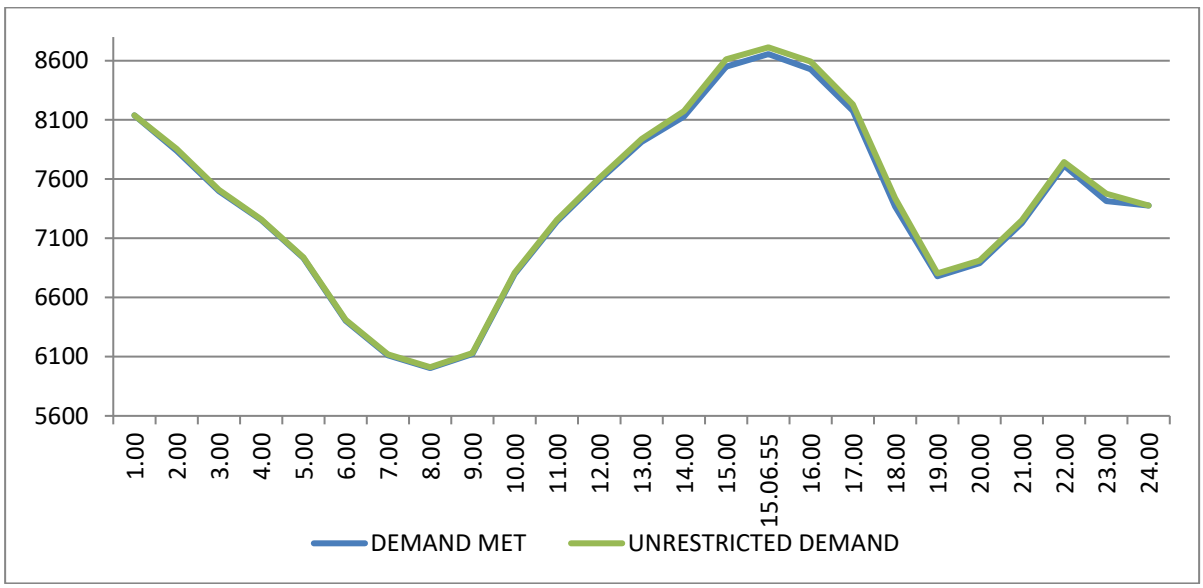
DATE	OTHER AGENCIES LIKE GENCO, BBMB, BTPS ETC.				THEFT PRONE SHEDDING			TOTAL SHEDDING DUE TO T&D CONSTS. & THEFT PRONE	GRAND TOTAL
	BSES		TPDDL	NDMC	BSES		TPDDL		
	BYPL	BRPL			BYPL	BRPL			
1	35	36	37	38	39	40	41	**42= 26 to 41**	**43 = 25 + 42**
01.06.24	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0944	0.0944
02.06.24	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0070	0.0070
03.06.24	0.0000	0.0000	0.0081	0.0000	0.0000	0.0000	0.0000	0.1567	0.1567
04.06.24	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0606	0.0606
05.06.24	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.3057	0.3057
06.06.24	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0464	0.0464
07.06.24	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0271	0.0271
08.06.24	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0003
09.06.24	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
10.06.24	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0338	0.0338
11.06.24	1.2068	0.1078	0.3438	0.0000	0.0000	0.0000	0.0000	1.6711	1.6711
12.06.24	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1160	0.1160
13.06.24	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0854	0.0854
14.06.24	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0683	0.0683
15.06.24	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0164	0.0164
16.06.24	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0599	0.0599
17.06.24	0.0133	0.0000	0.0401	0.0000	0.0000	0.0000	0.0000	0.1598	0.1598
18.06.24	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.2189	0.2189
19.06.24	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.6013	0.6013
20.06.24	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1837	0.1837
21.06.24	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0815	0.0815
22.06.24	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0069	0.0069
23.06.24	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0348	0.0348
24.06.24	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0617	0.0617
25.06.24	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0828	0.0828
26.06.24	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1410	0.1410
27.06.24	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0939	0.0939
28.06.24	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1068	0.1068
29.06.24	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0454	0.0454
30.06.24	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0292	0.0292
TOTAL	1.2201	0.1078	0.3919	0.0000	0.0000	0.0000	0.0000	4.5968	4.5968

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
01.06.24	158.269	7926	0:01:12	0	7926	7926	0:01:12	7926	0
02.06.24	143.402	7360	23:44:09	0	7360	7360	23:44:09	7360	0
03.06.24	151.716	7915	23:19:18	0	7915	7915	23:19:18	7915	0
04.06.24	164.658	7852	15:04:37	0	7852	7852	15:04:37	7852	0
05.06.24	158.185	7998	15:45:37	3	8001	7998	15:45:37	8001	3
06.06.24	147.926	7482	15:30:54	7	7489	7482	15:30:54	7489	7
07.06.24	147.622	7486	16:05:51	0	7486	7486	16:05:51	7486	0
08.06.24	143.679	7348	0:00:37	0	7348	7348	0:00:37	7348	0
09.06.24	132.586	7124	23:34:21	0	7124	7124	23:34:21	7124	0
10.06.24	145.728	7558	23:22:26	0	7558	7558	23:22:26	7558	0
11.06.24	155.613	7652	23:30:00	0	7652	7652	23:30:00	7652	0
12.06.24	160.376	7781	23:19:12	0	7781	7781	23:19:12	7781	0
13.06.24	162.117	8005	15:26:36	0	8005	8005	15:26:36	8005	0
14.06.24	163.545	8220	15:20:24	4	8224	8220	15:20:24	8224	4
15.06.24	160.298	7854	23:49:02	0	7854	7854	23:49:02	7854	0
16.06.24	155.733	7807	0:00:33	0	7807	7807	0:00:33	7807	0
17.06.24	166.562	8236	23:38:36	14	8250	8236	23:38:36	8250	14
18.06.24	178.871	8647	15:22:15	53	8700	8647	15:22:15	8700	53
19.06.24	175.039	8656	15:06:55	57	8713	8656	15:06:55	8713	57
20.06.24	157.363	7765	23:07:05	3	7768	7765	23:07:05	7768	3
21.06.24	148.908	7663	0:00:26	10	7673	7663	0:00:26	7673	10
22.06.24	142.803	7007	15:33:25	0	7007	7007	15:33:25	7007	0
23.06.24	141.934	7327	23:33:53	0	7327	7327	23:33:53	7327	0
24.06.24	151.739	7554	15:03:55	0	7554	7554	15:03:55	7554	0
25.06.24	155.506	7712	15:31:07	0	7712	7712	15:31:07	7712	0
26.06.24	156.264	7771	15:10:18	9	7780	7771	15:10:18	7780	9
27.06.24	142.034	7153	0:00:14	0	7153	7153	0:00:14	7153	0
28.06.24	127.544	6716	0:00:12	0	6716	6716	0:00:12	6716	0
29.06.24	128.707	6220	14:35:15	0	6220	6220	14:35:15	6220	0
30.06.24	132.542	6802	22:55:41	0	6802	6802	22:55:41	6802	0
TOTAL	4557.269								

9. LOAD PATTERN OF DELHI ON THE DAY OF PEAK DEMAND MET DURING JUNE 2024 ON 19.06.2024 - 8656MW AT 15.06.55HRS.

All figures in MW

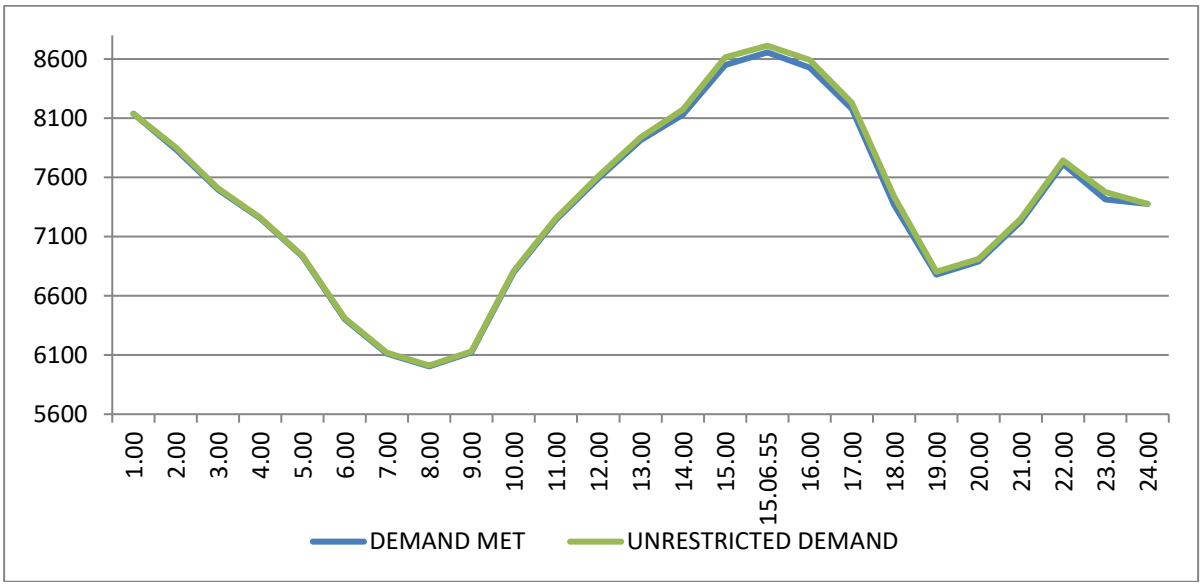
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	8138	0	8138
2.00	7839	17	7856
3.00	7498	11	7509
4.00	7255	5	7260
5.00	6932	7	6939
6.00	6404	7	6411
7.00	6111	7	6118
8.00	6004	7	6011
9.00	6122	7	6129
10.00	6799	9	6808
11.00	7242	12	7254
12.00	7590	18	7608
13.00	7915	23	7938
14.00	8129	45	8174
15.00	8549	64	8613
15.06.55	8656	57	8713
16.00	8529	64	8593
17.00	8178	53	8231
18.00	7369	70	7439
19.00	6779	26	6805
20.00	6889	22	6911
21.00	7227	24	7251
22.00	7714	30	7744
23.00	7415	60	7475
24.00	7376	0	7376
Total (IN MUS)	**175.039**	**0.6013**	**175.640**



10 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UN-RESTRICTED DEMAND DURING JUNE 2024 ON 19.06.2024-8713MW AT 15.06.55HRS.

All figures in MW

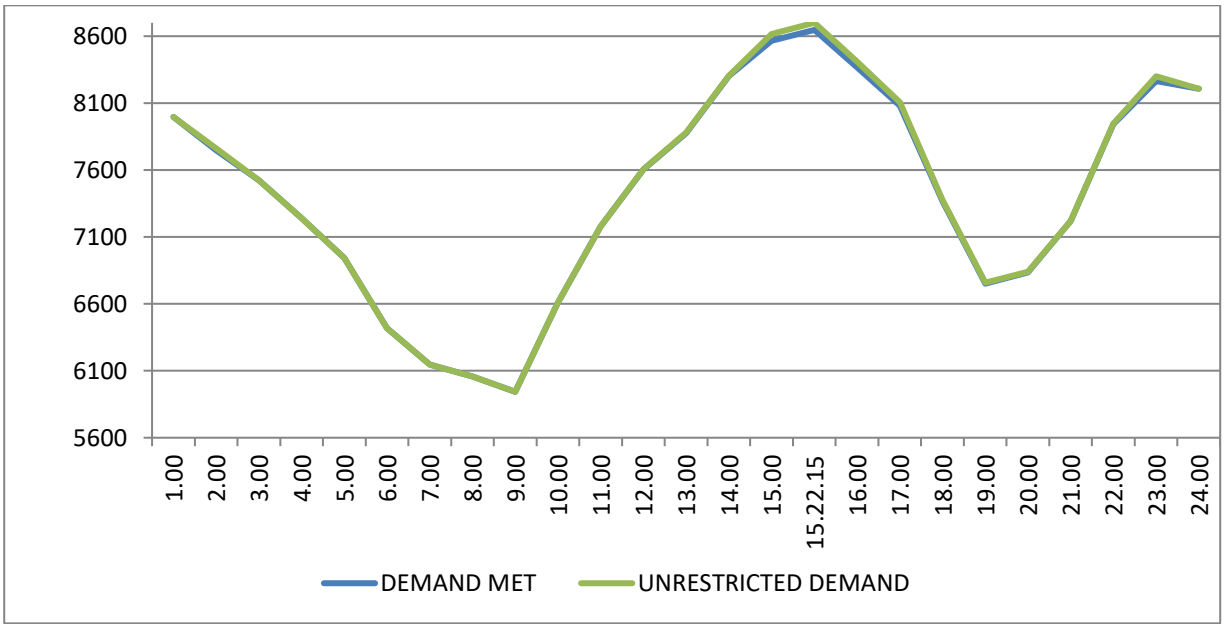
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	8138	0	8138
2.00	7839	17	7856
3.00	7498	11	7509
4.00	7255	5	7260
5.00	6932	7	6939
6.00	6404	7	6411
7.00	6111	7	6118
8.00	6004	7	6011
9.00	6122	7	6129
10.00	6799	9	6808
11.00	7242	12	7254
12.00	7590	18	7608
13.00	7915	23	7938
14.00	8129	45	8174
15.00	8549	64	8613
15.06.55	8656	57	8713
16.00	8529	64	8593
17.00	8178	53	8231
18.00	7369	70	7439
19.00	6779	26	6805
20.00	6889	22	6911
21.00	7227	24	7251
22.00	7714	30	7744
23.00	7415	60	7475
24.00	7376	0	7376
Total (IN MUS)	**175.039**	**0.6013**	**175.640**



11 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM ENERGY CONSUMED DURING JUNE 2024 – 18.06.2024 – 178.871Mus

All figures in MW

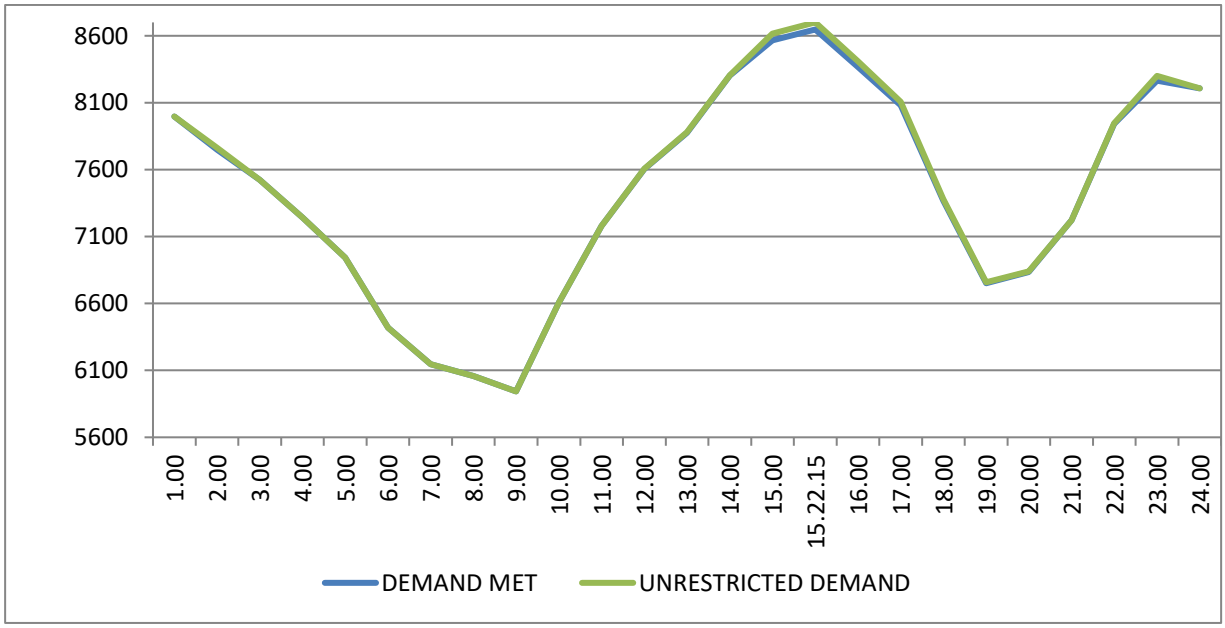
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	7998	0	7998
2.00	7749	13	7762
3.00	7524	0	7524
4.00	7242	0	7242
5.00	6942	0	6942
6.00	6420	0	6420
7.00	6147	0	6147
8.00	6057	0	6057
9.00	5943	0	5943
10.00	6608	0	6608
11.00	7178	0	7178
12.00	7605	2	7607
13.00	7874	5	7879
14.00	8303	2	8305
15.00	8566	51	8617
15.22.15	8647	53	8700
16.00	8367	44	8411
17.00	8080	27	8107
18.00	7367	12	7379
19.00	6752	6	6758
20.00	6835	4	6839
21.00	7221	0	7221
22.00	7943	3	7946
23.00	8265	36	8301
24.00	8208	0	8208
Total (IN MUS)	**178.871**	**0.219**	**179.090**



12 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UNRESTRICTED ENERGY DEMAND DURING JUNE 2024 ON 18.06.2024- 179.090MUs

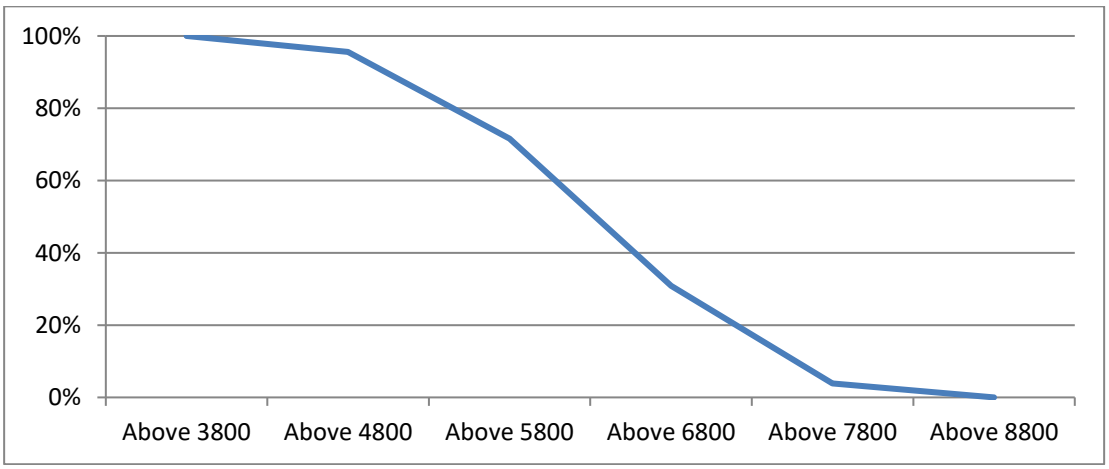
All figures in MW

Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	7998	0	7998
2.00	7749	13	7762
3.00	7524	0	7524
4.00	7242	0	7242
5.00	6942	0	6942
6.00	6420	0	6420
7.00	6147	0	6147
8.00	6057	0	6057
9.00	5943	0	5943
10.00	6608	0	6608
11.00	7178	0	7178
12.00	7605	2	7607
13.00	7874	5	7879
14.00	8303	2	8305
15.00	8566	51	8617
15.22.15	8647	53	8700
16.00	8367	44	8411
17.00	8080	27	8107
18.00	7367	12	7379
19.00	6752	6	6758
20.00	6835	4	6839
21.00	7221	0	7221
22.00	7943	3	7946
23.00	8265	36	8301
24.00	8208	0	8208
Total (IN MUS)	**178.871**	**0.219**	**179.090**



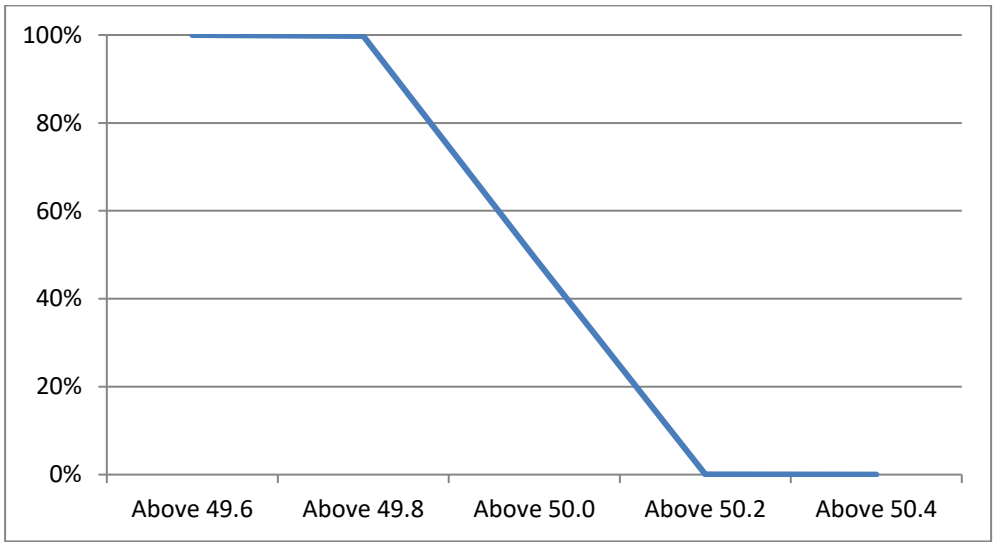
13 LOAD DURATION CURVE FOR JUNE 2024

LOAD REMAINED ABOVE IN MW	(%) OF TIME
Above 3800	100%
Above 4800	95.55%
Above 5800	71.63%
Above 6800	30.90%
Above 7800	3.85%
Above 8800	0.00%



14 FREQUENCY ANALYSIS FOR THE MONTH OF JUNE 2024

FREQUENCY REMAINED ABOVE IN HZ	(%) OF TIME
Above 49.6	100%
Above 49.8	99.79%
Above 50.0	49.45%
Above 50.2	0.03%
Above 50.4	0.00%



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

All figures in kV

Date	NARELA		GAZIPUR	
	Max	Min	Max	Min
01.06.24	225.87	212.82	230.08	212.73
02.06.24	225.37	214.00	223.41	213.15
03.06.24	223.85	211.88	224.27	208.73
04.06.24	225.88	211.83	222.10	212.18
05.06.24	225.08	0.00	226.12	207.14
06.06.24	225.40	208.69	227.38	208.02
07.06.24	223.70	213.51	226.45	206.63
08.06.24	225.47	213.62	226.82	214.56
09.06.24	225.68	214.29	225.80	214.95
10.06.24	223.42	210.68	224.61	209.14
11.06.24	223.70	207.71	227.14	210.49
12.06.24	223.21	209.64	224.60	208.28
13.06.24	222.64	211.06	223.17	207.15
14.06.24	223.14	210.93	224.70	210.58
15.06.24	224.31	208.71	226.54	208.25
16.06.24	222.95	212.43	223.67	213.30
17.06.24	223.94	200.92	230.36	202.43
18.06.24	221.49	207.34	224.83	208.69
19.06.24	226.21	205.73	230.06	206.82
20.06.24	222.93	209.56	223.70	210.25
21.06.24	224.69	213.27	226.02	211.70
22.06.24	225.26	212.84	224.40	212.48
23.06.24	224.75	214.56	224.60	214.67
24.06.24	223.59	214.01	223.96	213.44
25.06.24	223.05	212.50	223.96	212.94
26.06.24	222.84	212.92	224.74	213.22
27.06.24	227.30	213.81	227.73	214.08
28.06.24	227.91	212.15	231.91	214.27
29.06.24	222.00	213.60	226.03	211.71
30.06.24	223.49	211.51	226.88	212.26

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

All figures in kV

Date	400kV Bamnauli Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01.06.24	416.94	18:04:50	387.23	12:35:40	404.86
02.06.24	417.10	18:02:29	393.65	21:37:01	404.24
03.06.24	414.66	18:29:42	387.45	12:46:23	402.87
04.06.24	413.60	18:17:45	387.41	12:05:44	403.37
05.06.24	415.31	18:03:51	386.06	12:47:34	402.23
06.06.24	414.03	3:57:47	389.41	14:38:18	404.28
07.06.24	412.78	18:30:11	391.09	12:21:24	401.91
08.06.24	414.94	7:00:36	391.64	23:20:39	403.06
09.06.24	415.96	18:01:11	392.86	0:05:51	404.01
10.06.24	413.37	18:09:53	392.27	10:33:47	402.84
11.06.24	413.80	7:01:26	390.84	22:48:26	402.75
12.06.24	413.20	19:02:17	386.37	11:41:30	400.94
13.06.24	411.67	19:06:14	388.09	10:22:07	400.49
14.06.24	414.80	18:32:41	387.28	12:37:24	400.54
15.06.24	414.28	19:02:15	383.50	14:25:18	399.28
16.06.24	415.46	18:00:39	392.45	14:41:09	401.18
17.06.24	410.00	18:44:43	367.50	14:21:08	398.25
18.06.24	410.78	18:34:20	379.90	14:54:48	397.01
19.06.24	415.23	23:14:46	377.69	12:25:12	398.46
20.06.24	409.92	18:00:47	384.40	12:09:39	398.66
21.06.24	412.74	8:00:59	390.09	12:05:31	403.73
22.06.24	416.01	18:13:44	389.99	14:35:53	402.75
23.06.24	415.87	18:01:36	391.77	12:21:19	404.45
24.06.24	415.68	18:05:45	390.69	10:48:07	403.76
25.06.24	413.35	7:59:55	390.45	12:42:29	403.37
26.06.24	412.00	18:18:34	391.96	14:12:33	403.22
27.06.24	421.28	7:00:26	389.65	21:23:59	406.37
28.06.24	423.52	7:09:06	393.25	22:22:11	405.74
29.06.24	412.32	8:00:47	392.51	22:15:37	402.68
30.06.24	416.44	8:00:23	392.93	14:41:13	403.41

All figures in kV

Date	400kV Bawana Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01.06.24	414.53	18:03:48	--	6:47:41	287.93
02.06.24	413.04	18:02:26	395.37	22:43:00	404.06
03.06.24	410.49	18:01:46	388.87	12:49:18	401.28
04.06.24	410.45	4:00:26	388.45	12:07:04	402.24
05.06.24	410.63	18:02:38	384.19	12:48:43	400.51
06.06.24	410.20	3:39:55	389.92	14:38:01	401.01
07.06.24	408.20	6:02:38	387.88	11:58:19	398.53
08.06.24	412.08	6:02:53	390.68	0:08:04	400.01
09.06.24	408.87	7:25:34	390.88	12:43:02	399.66
10.06.24	407.07	18:09:53	388.30	10:34:08	398.77
11.06.24	408.48	7:54:26	388.47	10:24:44	398.98
12.06.24	406.97	18:01:58	384.25	11:44:01	396.82
13.06.24	404.95	19:02:11	381.10	10:50:50	395.73
14.06.24	410.25	18:31:32	390.25	12:39:20	398.34
15.06.24	409.82	19:02:21	386.42	14:27:58	398.34
16.06.24	409.51	18:01:15	394.00	0:08:59	400.08
17.06.24	408.52	18:44:39	370.68	14:21:16	397.96
18.06.24	408.50	18:29:51	385.88	14:54:50	398.51
19.06.24	413.10	23:11:42	382.60	12:25:16	398.58
20.06.24	409.09	8:01:19	387.79	12:14:01	400.02
21.06.24	408.04	8:00:59	392.66	12:53:02	402.01
22.06.24	411.64	18:10:24	394.37	14:38:51	402.72
23.06.24	411.18	18:02:35	395.19	12:22:14	402.65
24.06.24	410.13	18:06:16	392.26	10:48:13	401.49
25.06.24	408.07	18:25:15	394.16	11:41:37	401.95
26.06.24	409.48	18:31:32	394.68	14:12:48	402.46
27.06.24	416.48	7:00:07	395.83	14:22:43	405.42
28.06.24	418.01	6:59:27	395.29	14:49:13	404.58
29.06.24	409.71	3:58:03	395.75	12:17:33	402.57
30.06.24	412.84	8:00:26	394.69	14:41:16	403.53

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

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
1	01.06.24	8:31	PAPPANKALAN-II 220/66kV 160MVA Tx-III	01.06.24	10:35	86
2	01.06.24	13:43	400kV Bawana-Mundka Ckt-II	01.06.24	14:35	AT MUNDKA : RB PHASE, 86
3	01.06.24	13:43	400kV Bawana-Mundka Ckt-I	01.06.24	14:32	AT MUNDKA : RB PHASE, 86.
4	01.06.24	14:54	220kV GOPALPUR- MANDOLACKT-II	01.06.24	17:19	AT GOPALPUR : DIST PROT, ZONE-I, DIST 5.7KM, B PHASE.
5	01.06.24	15:39	220kV DSIIDC BAWANA-NARELA CKT-II	02.06.24	8:12	At Narela : Differential, Y&B Phase,
6	01.06.24	15:39	220kV DSIIDC BAWANA-NARELA CKT-I	02.06.24	8:13	At Narela : R phase, Differential
7	01.06.24	15:40	220kV BAWANA-DSIIDC BAWANA CKT-II	01.06.24	20:25	Bawana : Dist Prot,Zone-I,RYB Phase,Dist 3.9kM
8	01.06.24	15:40	220kV BAWANA-DSIIDC BAWANA CKT-II	01.06.24	17:19	AT DSIDC BAWANA : DIST POT, ZONE-I, DIST 3.9K, RYB PHASE.
9	01.06.24	15:40	220kV BAWANA-DSIIDC BAWANA CKT-I	01.06.24	20:26	Bawana : Dist Prot, Zone-I, AB Phase, Dist 3.9kM
10	01.06.24	15:40	220kV BAWANA-DSIIDC BAWANA CKT-I	01.06.24	17:19	AT DSIDC BAWANA : DIST PROT, ZONE-I, DIST 3.9KM, AB PHASE.
11	02.06.24	8:00	SHALIMAR BAGH 220/33kV 100MVA Tx-III	02.06.24	8:24	86, E/F, O/C
12	04.06.24	11:58	220kV BAMNAULI-NAJAFGARH CKT-II	04.06.24	13:20	AT BAMNAULI : DIST PROT, ZONE-I, DIST 2.103KM
13	04.06.24	13:20	220kV BAMNAULI-NAJAFGARH CKT-II	04.06.24	20:59	AT NAJAGARH : 186.
14	04.06.24	14:26	NARELA 220/66kV 100MVA Tx-II	04.06.24	14:37	TRIPPED WITHOUT INDICATION.
15	05.06.24	10:18	OKHLA 66/11kV, 20MVA Tx-I	05.06.24	10:40	E/F, 86.
16	05.06.24	12:00	NARELA 220/66kV 100MVA Tx-III	05.06.24	12:09	TRIPPED WITHOUT INDICATION.
17	05.06.24	17:54	220kV KANJHAWALA-NAJAFGARH CKT	05.06.24	18:03	AT KHANJAWALA : TRIPPED WITHOUT INDICATION.
18	05.06.24	20:30	220KV BAWANA-SHALIMARBAGH CKT-I	05.06.24	20:55	AT SHALIMARBAGH : O/C, YB PHASE.
19	05.06.24	20:30	220KV BAWANA-SHALIMARBAGH CKT-I	05.06.24	20:55	AT SHALIMARBAGH : O/C, YB PHASE.
20	05.06.24	21:13	220kV Harsh Vihar - Preet Vihar Ckt-I	05.06.24	22:50	At Preet Vihar : Dist prot, Zone-I, BCN Phase, 86.
21	05.06.24	21:13	400kV Dadri-Harsh Vihar Ckt-I	STILL	OUT	At Harsh Vihar : Supply failed.
22	05.06.24	21:13	220kV Harsh Vihar - Preet Vihar Ckt-II	05.06.24	22:55	At Preet Vihar : Dist prot, Zone-I, BCN Phase, 86.
23	05.06.24	21:13	400kV Dadri - Harsh Vihar Ckt. -II	17.06.24	17:48	At Harsh Vihar : Dist Prot, Zone-I, Dist 2.7kM, BY Phase, E/F.
24	05.06.24	21:14	220kV GOPALPUR- MANDOLACKT-I	05.06.24	23:09	At Gopalpur : Dist prot, B Phase, Zone-I, Dist 19.74KM.
25	05.06.24	21:37	220KV WAZIRABAD - MANDOLA CKT-IV	06.06.24	1:58	It is reported that all three phases Line isolators got opened at Wazirabad due to thunderstorm.
26	07.06.24	15:32	220kV BAWANA-DSIIDC BAWANA CKT-I	07.06.24	15:32	AT BAWANA : DIST PROT, ZONE-I, R &Y PHASE, DIST 1.47KM.
27	09.06.24	13:00	220kV BAMNAULI-PAPPANKALAN-II CKT-I	09.06.24	16:44	AT BAMNAULI : B PHASE, DIFFERENTIAL, DIST 38.4KM.
28	11.06.24	18:32	SARITA VIHAR 220/66kV 160MVA TR. -I	11.06.24	22:30	86, RYB PHASE, DIFFERENTIAL.
29	12.06.24	14:25	PEERA GARHI 220/33kV 100MVA Tx-I	12.06.24	18:00	86ABC.
30	12.06.24	18:08	WAZIRABAD 220/66kV 100MVA Tx-II	12.06.24	20:26	E/F, 86.

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
31	14.06.24	7:09	MEHRAULI 66/11kV, 20MVA Tx-II	14.06.24	16:00	86, DIFFERENTIAL.
32	14.06.24	11:01	ROHINI-II 220/66kV 160MVA Tx-II	14.06.24	12:25	E/F, DIFFERENTIAL.
33	18.06.24	16:55	400KV BAWANA - MAHARANIBAGH CKT. -II	18.06.24	21:10	AT BAWANA : DIST PROT, ZONE-I, R PHASE.
34	19.06.24	17:22	SUBZI MANDI 33/11kV, 16MVA Tx-I	19.06.24	18:22	TRIPPED WITHOUT INDICATION.
35	19.06.24	17:22	SUBZI MANDI 220/33kV 100MVA Tx-I	19.06.24	18:19	86, DIFFERENTIAL.
36	19.06.24	17:22	SUBZI MANDI 220/33kV 100MVA Tx-II	19.06.24	21:25	86, DIFFERENTIAL.
37	19.06.24	21:20	SUBZI MANDI 220/33kV 100MVA Tx-I	19.06.24	21:25	86
38	20.06.24	12:29	PARKSTREET 220/33kV 100MVA Tx-II	20.06.24	21:54	I/C TRIPPED ON O/C, Y PHASE, 86.
39	20.06.24	12:29	PARKSTREET 220/33kV 100MVA Tx-I	20.06.24	14:10	O/C, E/F, 86
40	20.06.24	12:32	INDRAPRASTHA POWER 220/33kV 100MVA Tx-I	20.06.24	12:42	E/F, O/C, B PHASE.
41	21.06.24	0:35	NARAINA 220/33kV 100MVA Tx-III	21.06.24	1:57	O/C, B PHASE, 86
42	21.06.24	0:35	NARAINA 220/33kV 100MVA Tx-I	21.06.24	1:34	O/C, BP PHASE 86.
43	21.06.24	0:35	NARAINA 220/33kV 100MVA Tx-II	21.06.24	1:57	O/C, 86, B PHASE.
44	21.06.24	23:15	SUBZI MANDI 220/33kV 100MVA Tx-II	22.06.24	2:35	RYB PHASE, DIFFERNTIAL, E/F.
45	22.06.24	2:40	SUBZI MANDI 220/33kV 100MVA Tx-II	22.06.24	17:10	O/C, RYB PHASE, E/F
46	23.06.24	9:59	INDRAPRASTHA POWER 220/33kV 100MVA Tx-III	23.06.24	10:52	O/C, Y PHASE,
47	23.06.24	9:59	INDRAPRASTHA POWER 220/33kV 100MVA Tx-I	23.06.24	18:00	86, E/F, O/C
48	24.06.24	13:24	RAJGHAT 220/33kV 100MVA Tx-2	24.06.24	13:59	O/C, E/F
49	24.06.24	13:24	RAJGHAT 220/33kV 100MVA Tx-I	24.06.24	13:59	DIFFERENTIAL, RY PHASE,
50	24.06.24	20:12	PAPPANKALAN-III 220/66kV 160MVA Tx-II	24.06.24	22:12	86
51	25.06.24	1:50	INDRAPRASTHA POWER 220/33kV 100MVA Tx-III	25.06.24	2:30	O/C, RYB PHASE,
52	25.06.24	5:26	NARAINA 220/33kV 100MVA Tx-I	25.06.24	8:24	ANY TRIP, 86, O/C, R PHASE, E/F
53	25.06.24	12:28	OKHLA 220/33kV 100MVA Tx-IV	25.06.24	13:12	RYB PHASE, DIFFERENTIAL.
54	26.06.24	15:24	OKHLA 220/66kV 100MVA Tx-II	26.06.24	15:34	TRIPPED WITHOUT INDICAITON.
55	27.06.24	7:36	ROHINI 66/11kV, 20MVA Tx-I	27.06.24	8:34	TRIPPED WITHOUT INDICATION.
56	27.06.24	9:48	GOPALPUR 220/33kV 100MVA Tx-I	27.06.24	10:39	Bus Bar-I relay operated.
57	27.06.24	9:48	GOPALPUR 220/66kV 160MVA Tx	27.06.24	10:49	Bus Bar-I relay operated.
58	27.06.24	9:48	GOPALPUR 220/33kV 100MVA Tx-III	27.06.24	10:42	Bus Bar-I relay operated.
59	27.06.24	9:48	220kV GOPALPUR- MANDOLACKT-II	27.06.24	13:24	At Gopalpur : ckt did not trip .
60	27.06.24	9:48	220kV GOPALPUR- MANDOLACKT-I	27.06.24	10:49	At Gopal Pur: Bus Bar protection relay operated.
61	27.06.24	9:48	220kV GOPALPUR-SUBZI MANDI CKT-II	27.06.24	10:57	At Gopal Pur: Bus Bar-I relay operated.
62	27.06.24	9:48	220kV GOPALPUR-SUBZI MANDI CKT-I	27.06.24	10:40	At Gopal Pur: Bus Bar-I relay operated.
63	27.06.24	11:01	SUBZI MANDI 33/11kV, 16MVA Tx-II	27.06.24	14:25	TRIPPED WITHOUT INDICATION.
64	27.06.24	11:01	SUBZI MANDI 33/11kV, 16MVA Tx-I	27.06.24	12:30	86
65	27.06.24	11:15	PARKSTREET 220/66kV 100MVA Tx-II	27.06.24	14:59	86

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
66	28.06.24	5:44	GOPALPUR 220/33kV 100MVA Tx-III	28.06.24	9:57	86, SPR
67	28.06.24	7:35	LODHI RD 33/11kV, 16MVA Tx-III	28.06.24	7:50	86
68	28.06.24	9:05	PATPARGANJ 33/11kV, 16MVA Tx	28.06.24	11:13	R&Y PHSE, DIFFERETNIAL.
69	28.06.24	9:05	PATPARGANJ 220/33kV 100MVA Tx-I	28.06.24	10:55	O/C, R PHASE.
70	28.06.24	9:05	PATPARGANJ 220/33kV 100MVA Tx-III	28.06.24	10:55	O/C, Y PHASE, B PHASE.
71	28.06.24	9:05	PATPARGANJ 220/66kV 100MVA Tx-II	28.06.24	11:13	B PHASE, E/F.
72	28.06.24	21:02	220KVBAWANA- ROHINI-2 CKT-I	28.06.24	21:29	AT BAWANA : 186A&B
73	28.06.24	22:07	PATPARGANJ 33/11kV, 16MVA Tx	29.06.24	13:47	DIFFERENTIAL, R PHASE 86.
74	29.06.24	1:24	GOPALPUR 220/33kV 100MVA Tx-III	29.06.24	2:45	86
75	29.06.24	7:50	SUBZI MANDI 33/11kV, 16MVA Tx-I	29.06.24	9:25	86, DIFFERENTIAL, ABC
76	29.06.24	9:35	220kV PRAGATI - I.P.CKT - II	29.06.24	12:20	AT I.P. : 86, O/C, DIST PROT, ZONE-I, B PHASE.
77	29.06.24	13:57	220KV WAZIRABAD - MANDOLA CKT-I	29.06.24	17:21	AT WAZIRABAD : DIST PROT, ZONE-I, DIST 9.118KM, R&Y PHASE.
78	30.06.24	10:12	220kV GOPALPUR- MANDOLACKT-II	30.06.24	13:36	AT GOPALPUR : TRIPPED WITHOUT INDICATION.
79	30.06.24	10:12	220kV GOPALPUR- MANDOLACKT-I	30.06.24	13:36	AT GOPALPUR : TRIPPED WITHOUT INDICATION.
80	30.06.24	10:12	220/33kV 100MVA Pr. Tr.-I AT 220kV GOPALPUR	30.06.24	10:22	186, 86 & O/C.
81	30.06.24	10:12	220/33kV 100MVA Pr. Tr.-III AT 220kV GOPALPUR	30.06.24	10:22	186, 86 & O/C.
82	30.06.24	10:12	220/66kV 100MVA Pr. Tr.-II AT 220kV GOPALPUR	30.06.24	10:24	186, 86 & O/C.
83	30.06.24	10:12	220/66kV 160MVA Pr. Tr. AT 220kV GOPALPUR	30.06.24	10:40	86 & O/C.
84	30.06.24	10:12	220/33kV 100MVA Pr. Tr. –I AT 220kV SUBZI MANDI	30.06.24	12:15	Any Trip, E/F, 86, HV REF Trip & LV REF Trip.
85	30.06.24	10:12	220/33kV 100MVA Pr. Tr. –II AT 220kV SUBZI MANDI	30.06.24	12:30	Diff.Trip, LV REF Trip, 186 & 86.

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

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