DELHI TRANSCO LTD.

STATE LOAD DISPATCH CENTER

PROGRESS REPORT

****

JULY 2024

1 SALIENT FEATURES OF DELHI POWER SYSTEM

Sr. No.	Features	JUL. 2023	JUL. 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)**	**7398**	**8058**
	Date	21.07.2023	30.07.2024
	Time	15.10.37	15.26.31
3	**Peak Demand met (MW)**	**7398**	**8032**
	Date	21.07.2023	30.07.2024
	Time	15.10.37	15.26.37
4	Peak Availability (MW)	7401	7953
5	Shortage (-) / Surplus (+) in MW	(+)3	(-) 79
6	Percentage Shortage (-) / Surplus (+)	(+) 0.04	(-) 0.98
7	Maximum Energy Consume in a day (Mus)	149.573	164.346
8	Energy Consumed during the month	**3944.539**	**4369.972**
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	0.222	0.392
	TPDDL	0.034	0.051
	BRPL	0.223	0.618
	BYPL	0.000	0.004
	NDMC	0.000	0.000
	MES	0.000	0.000
	Other Agencies	0.000	0.0003
	Total	**0.479**	**1.066**
10	**Grand Total in Mus**	**0.479**	**1.066**

0.004 0.618 0.051

2. PERFORMANCE OF GENERATING STATIONS WITHIN DELHI DURING JUL 2024

A) For the month of July 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	0.124	-0.124	--	--
2.	GT	12.144	1.982	10.162	87.32	45.941
3.	PPCL	114.274	2.727	111.547	90.19	102.740
4.	Bawana	349.100	11.139	337.961	90.84	563.048
	TOTAL	**475.518**	**15.972**	**459.546**	--	**711.729**

WASTE TO ENERGY GENERATING PLANTS WITHIN DELHI

S. No	Stations	Gross Generation	Aux. Consumption	Net Generation
5.	Towmcl	14.123	2.019	12.104
6.	EDWPCL	3.237	0.918	2.319
7.	DMSWL	14.874	2.998	11.876
8.	TWEPL	18.471	1.924	16.547
	TOTAL	**50.705**	**7.859**	**42.846**

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

Power Station	Effective Capacity (MW)	Net Generation in MUs for Jul 2024	Availability (%) for Jul 2024	Cumulative Generation in MUs upto Jul 2024 for the year 2024-25	Cumulative Availability in % upto Jul 2024 for the year 2024-25
RPH	135	-0.124	--	-0.488	--
GT	90	10.162	87.32	84.621	89.82
PPCL	330	111.547	90.19	496.223	90.66
Bawana	1372	337.961	90.84	1618.632	90.95
TOTAL	1927	**459.546**	--	**2198.988**	--

WASTE TO ENERGY GENERATING PLANTS WITHIN DELHI

Power Station	Effective Capacity (MW)	Net Generation in MUs for Jul 2024	Cumulative Generation in MUs upto Jul 2024 for the year 2024-25
Towmcl	16	12.104	47.903
EDWPCL	10	2.319	16.032
DMSWL	24	11.876	46.54
TWEPL	25	16.547	67.387
TOTAL	**75**	**42.846**	**177.862**

3 DETAILS OF OUTAGES OF GENERATING STNS. WITHIN DELHI FOR JULY 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
		03.07.24	10:30	12.07.24	12:43	GT#5 is standby as there is no demand from SLDC
		12.07.24	19:30	22.07.24	5:57	GT#5 is standby as there is no demand from SLDC
		31.07.24	8:00	31.07.24	23:59	GT#5 is standby as there is no demand from SLDC
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	03.07.24	11:00	GT#6 is standby as there is no demand from NLDC
		03.07.24	20:30	04.07.24	13:59	GT#6 is standby as there is no demand from SLDC
		04.07.24	17:27	11.07.24	15:29	GT#6 is standby as there is no demand from SLDC
		12.07.24	12:45	22.07.24	4:50	GT#6 is standby as there is no demand from SLDC
		22.07.24	6:09	31.07.24	7:45	GT#6 is standby as there is no demand from SLDC
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.
		03.07.24	10:30	04.07.24	12:45	STG # 1 not able to synchronized due to low vacuum
		04.07.24	17:30	04.07.24	23:59	STG # 1 not able to synchronized due to low vacuum
STG-2	30	NIL				

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
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
		02.07.24	0:00	03.07.24	9:15	Blr#6 is standby as there is no demand from SLDC
		03.07.24	10:30	04.07.24	12:45	STG # 3 not able to synchronized due to low IR value in generator rotor
		04.07.24	12:45	04.07.24	14:00	STG#3 is standby as there is no demand from SLDC
		04.07.24	14:00	08.07.24	14:30	STG # 3 not able to synchronized due to low IR value in generator rotor
		08.07.24	14:30	11.07.24	18:30	STG#3 is standby as there is no demand from SLDC
		11.07.24	18:30	11.07.24	20:00	STG # 3 not able to synchronized due to low IR value in generator rotor
		11.07.24	20:00	11.07.24	20:30	STG#3 is standby as there is no demand from SLDC
		11.07.24	20:30	13.07.24	8:00	STG # 3 not able to synchronized due to low IR value in generator rotor
		13.07.24	8:00	13.07.24	12:45	STG # 3 not able to synchronized due to low IR value in generator rotor
		13.07.24	12:45	22.07.24	9:11	STG#3 is standby as there is no demand from SLDC
		22.07.24	9:11	31.07.24	7:45	Blr#6 is standby as there is no demand from SLDC
		31.07.24	8:00	31.07.24	23:59	Blr#5 is standby as there is no demand from SLDC

(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	03.07.24	12.43	Unit stopped due to less demand
		03.07.24	16.19	15.07.24	20.25	Unit stopped due to less demand
		16.07.24	00.00	18.07.24	12.20	Unit stopped due to less demand
		18.07.24	13.06	20.07.24	14.26	Unit stopped due to less demand
		30.07.24	05.34	30.07.24	07.04	Unit tripped due to grid disturbance
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
		20.07.24	16.26	21.07.24	16.45	Unit stopped due to less demand
		21.07.24	16.45	21.07.24	17.30	Unit stopped to attend fault.
		21.07.24	17.30	31.07.24	07.19	Unit stopped due to less demand

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
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
		11.07.24	17.51	11.07.24	18.54	Unit tripped due to grid disturbance
		30.07.24	05.34	30.07.24	08.28	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
		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.
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.
		24.07.24	00.00	24.07.24	21.30	To attend the malfunctioning of gas valve of GT-4
		30.07.24	21.00	31.07.24	03.00	Due to leakage in hot water generator.

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
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.
		24.07.24	00.00	24.07.24	21.30	Due to outage of GT-4
		30.07.24	21.00	31.07.24	03.00	Due to outage of 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 JULY 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	22.56.31	37	146	306	10	8	5	13	526	6689	6532	157	7215	0	7215
2	15.02.54	37	146	272	10	10	7	11	492	6822	6676	146	7314	3	7317
3	00.00.16	36	150	280	10	11	16	9	512	6339	6363	-24	6851	0	6851
4	22.51.41	0	148	288	10	9	18	7	480	5619	5640	-21	6099	0	6099
5	15.09.57	0	147	271	10	8	16	9	461	5860	5777	83	6321	0	6321
6	15.05.57	0	147	269	10	8	18	13	466	5499	5431	68	5965	0	5965
7	23.19.43	0	152	269	10	9	17	13	471	5179	5249	-70	5650	0	5650
8	23.03.24	0	152	304	10	0	18	11	495	5297	5341	-44	5792	0	5792
9	22.59.11	0	150	314	10	9	16	22	521	5499	5592	-93	6020	0	6020
10	12.42.59	0	146	267	10	5	16	26	470	5973	5807	166	6443	0	6443
11	22.53.04	0	147	304	10	10	18	27	516	6977	6827	150	7493	0	7493
12	00.01.18	0	147	305	10	9	16	27	514	6566	6880	-314	7080	0	7080
13	00.00.28	0	148	305	10	8	18	26	515	5984	5894	90	6499	0	6499
14	23.19.19	0	148	307	10	9	18	25	517	6358	6297	61	6875	0	6875
15	15.19.57	0	147	269	10	0	18	26	470	6488	6226	262	6958	3	6961
16	15.15.46	0	143	269	10	0	16	26	465	7007	6909	98	7472	0	7472
17	22.57.21	0	148	597	10	0	17	27	799	6508	6409	99	7307	0	7307
18	00.00.01	0	149	599	10	0	18	27	803	6229	6421	-192	7032	0	7032
19	15.15.00	0	145	740	10	0	16	25	937	6443	6307	136	7380	0	7380
20	23.01.48	0	144	897	10	0	18	20	1089	6144	5964	180	7233	0	7233
21	22.56.01	0	145	899	10	0	19	25	1098	6036	6025	11	7134	0	7134
22	12.35.21	35	142	735	10	0	18	25	965	6099	5921	178	7064	0	7064
23	22.53.32	35	142	917	10	0	18	27	1149	5964	6064	-100	7113	17	7130
24	22.40.46	38	146	596	12	0	17	23	831	6154	6233	-79	6985	0	6985
25	15.03.32	38	143	472	12	0	16	27	708	6396	6187	209	7104	0	7104
26	22.40.53	38	146	545	12	0	5	27	774	6228	6207	21	7002	0	7002
27	14.39.51	38	142	473	12	0	6	26	697	6273	6196	77	6970	0	6970
28	22.39.25	38	144	595	12	0	6	26	820	6363	6404	-41	7183	0	7183
29	22.54.26	38	144	888	12	0	6	27	1115	6633	6391	242	7748	0	7748
30	15.26.31	38	140	767	12	0	6	26	989	7043	6965	78	8032	26	8058
31	15.17.32	31	287	935	12	0	17	26	1308	6867	6682	185	8175	6	8181

6 POWER AVAILABILITY- DEMAND POSITION AT THE TIME OF MAXIMUM UNRESTRICTED DEMAND DURING JULY 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	22.56.31	37	146	306	10	8	5	13	526	6689	6532	157	7215	0	7215
2	15.02.54	37	146	272	10	10	7	11	492	6822	6676	146	7314	3	7317
3	00.00.16	36	150	280	10	11	16	9	512	6339	6363	-24	6851	0	6851
4	22.51.41	0	148	288	10	9	18	7	480	5619	5640	-21	6099	0	6099
5	15.09.57	0	147	271	10	8	16	9	461	5860	5777	83	6321	0	6321
6	15.05.57	0	147	269	10	8	18	13	466	5499	5431	68	5965	0	5965
7	23.19.43	0	152	269	10	9	17	13	471	5179	5249	-70	5650	0	5650
8	23.03.24	0	152	304	10	0	18	11	495	5297	5341	-44	5792	0	5792
9	22.59.11	0	150	314	10	9	16	22	521	5499	5592	-93	6020	0	6020
10	12.42.59	0	146	267	10	5	16	26	470	5973	5807	166	6443	0	6443
11	22.53.04	0	147	304	10	10	18	27	516	6977	6827	150	7493	0	7493
12	00.01.18	0	147	305	10	9	16	27	514	6566	6880	-314	7080	0	7080
13	00.00.28	0	148	305	10	8	18	26	515	5984	5894	90	6499	0	6499
14	23.19.19	0	148	307	10	9	18	25	517	6358	6297	61	6875	0	6875
15	15.19.57	0	147	269	10	0	18	26	470	6488	6226	262	6958	3	6961
16	15.15.46	0	143	269	10	0	16	26	465	7007	6909	98	7472	0	7472
17	22.57.21	0	148	597	10	0	17	27	799	6508	6409	99	7307	0	7307
18	00.00.01	0	149	599	10	0	18	27	803	6229	6421	-192	7032	0	7032
19	15.15.00	0	145	740	10	0	16	25	937	6443	6307	136	7380	0	7380
20	23.01.48	0	144	897	10	0	18	20	1089	6144	5964	180	7233	0	7233
21	22.56.01	0	145	899	10	0	19	25	1098	6036	6025	11	7134	0	7134
22	12.35.21	35	142	735	10	0	18	25	965	6099	5921	178	7064	0	7064
23	22.53.32	35	142	917	10	0	18	27	1149	5964	6064	-100	7113	17	7130
24	22.40.46	38	146	596	12	0	17	23	831	6154	6233	-79	6985	0	6985
25	15.03.32	38	143	472	12	0	16	27	708	6396	6187	209	7104	0	7104
26	22.40.53	38	146	545	12	0	5	27	774	6228	6207	21	7002	0	7002
27	14.39.51	38	142	473	12	0	6	26	697	6273	6196	77	6970	0	6970
28	22.39.25	38	144	595	12	0	6	26	820	6363	6404	-41	7183	0	7183
29	22.54.26	38	144	888	12	0	6	27	1115	6633	6391	242	7748	0	7748
30	15.26.31	38	140	767	12	0	6	26	989	7043	6965	78	8032	26	8058
31	15.17.32	31	287	935	12	0	17	26	1308	6867	6682	185	8175	6	8181

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

(ALL FIGURES IN MUS)

GENERATION WITHIN DELHI	AVAILABILITY	SCHEDULE
Rajghat Power House	0.000	0.000
Gas Turbine	57.010	11.690
Pragati-I	215.362	112.622
Pragati-III (Bawana)	721.032	298.356
Rithala	0.000	0.000
Badarpur	0.000	0.000
Renewable (include WTE)	43.114	43.114
TOTAL DELHI GEN.	**1036.518**	**465.782**

NAME OF STATION	AVAILABILITY	SCHEDULE
Gas Based Station		
ANTA GPP-GF	30.516	0.151
ANTA GPP-LF		
ANTA GPP-RF		
ANTA CRF		
AURAIYA GPP-GF	41.296	0.207
AURAIYA GPP-LF		
AURAIYA GPP-RF		
AURIYA CRF		
DADRI GPP-GF	48.639	0.189
DADRI GPP-LF		
DADRI GPP-RF		
DADRI CRF		
Coal Based Station		
SINGRAULI STPS	95.997	100.219
RIHAND STPS	66.687	66.651
RIHAND-II STPS	87.822	89.102
RIHAND-III STPS	91.941	92.887
DADRI II	500.903	372.457
UNCHAHAR-I TPS	14.243	12.043
UNCHAHAR-II TPS	29.096	24.347
UNCHAHAR-III TPS	19.532	16.480
UNCHAHAR - IV TPS	0.000	1.529
JHAJJAR	360.425	360.425
Meja TPS	7.855	**7.855**
Tanda-II TPS	3.528	3.528
FARAKA	10.369	9.301
KAHALGAON1	24.847	22.914
KAHALGAON2	99.733	90.886
SASAN	248.552	248.361
Nabinagar STPS(BRBCL)	11.113	11.113

NAME OF STATION	AVAILABILITY	SCHEDULE
Hydro Station		
BAIRASIUL HEP	5.887	5.887
SALAL HEP	57.163	57.163
TANAKPUR HEP	7.057	7.057
CHAMERA HEP	25.383	25.383
CHAMERA HEP-II	34.881	34.881
CHAMERA III	24.991	24.991
URI HEP	26.867	26.867
URI 2 HEP	24.396	24.396
SEWA-II	2.622	2.622
DHAULIGANGA HEP	28.723	28.723
DULHASTI HEP	42.585	42.585
Parvati3	14.751	14.751
NATHPA JHAKRI HEP	133.884	133.884
TEHRI HEP	36.085	36.085
KOTESWAR	19.422	19.422
SINGRAULI SHEP	0.761	0.761
TALA	6.055	6.055
Kishan Ganag	6.199	6.199
Koldam	7.248	7.248
Rampur	4.916	4.916
Nuclear Station		
NAPP	36.705	36.705
RAPP C	50.566	50.566
RAPPB_4 C	0.000	0.000
Total	**2390.238**	**2127.791**
LTA	908.646	908.646
Short Term (Purchase)	1526.489	1576.489
Short Term Open Access	66.672	66.672
Short Term (Sale)		**-373.516**
TOTAL AVAILABILITY	**5928.563**	**4771.864**

8. SHEDDING DETAILS DURING THE MONTH OF JULY 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
01.07.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
02.07.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
03.07.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
04.07.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
05.07.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
06.07.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
07.07.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
08.07.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
09.07.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10.07.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11.07.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12.07.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
13.07.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14.07.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15.07.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
16.07.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17.07.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
18.07.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
19.07.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20.07.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
21.07.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22.07.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
23.07.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
24.07.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25.07.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
26.07.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27.07.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
28.07.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
29.07.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30.07.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
31.07.24	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
01.07.24	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
02.07.24	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
03.07.24	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
04.07.24	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
05.07.24	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
06.07.24	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
07.07.24	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
08.07.24	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
09.07.24	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
10.07.24	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
11.07.24	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
12.07.24	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
13.07.24	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
14.07.24	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
15.07.24	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
16.07.24	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
17.07.24	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
18.07.24	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
19.07.24	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
20.07.24	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
21.07.24	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
22.07.24	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
23.07.24	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
24.07.24	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
25.07.24	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
26.07.24	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
27.07.24	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
28.07.24	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
29.07.24	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
30.07.24	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
31.07.24	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
01.07.24	0.018	0.000	0.000	0.000	0.000	0.000	0.000	0.007	0.000
02.07.24	0.000	0.000	0.000	0.000	0.000	0.000	0.049	0.008	0.000
03.07.24	0.000	0.000	0.011	0.000	0.000	0.000	0.109	0.000	0.000
04.07.24	0.000	0.016	0.000	0.000	0.000	0.000	0.010	0.000	0.000
05.07.24	0.000	0.004	0.000	0.000	0.000	0.002	0.000	0.000	0.000
06.07.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
07.07.24	0.000	0.000	0.000	0.000	0.000	0.000	0.011	0.000	0.000
08.07.24	0.000	0.000	0.000	0.000	0.000	0.000	0.017	0.000	0.000
09.07.24	0.000	0.000	0.000	0.000	0.000	0.000	0.007	0.000	0.000
10.07.24	0.000	0.006	0.006	0.000	0.000	0.000	0.000	0.000	0.000
11.07.24	0.000	0.000	0.000	0.000	0.000	0.000	0.019	0.000	0.000
12.07.24	0.000	0.014	0.000	0.000	0.000	0.000	0.006	0.000	0.000
13.07.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14.07.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15.07.24	0.000	0.000	0.000	0.000	0.000	0.000	0.015	0.000	0.000
16.07.24	0.000	0.000	0.000	0.000	0.000	0.000	0.021	0.000	0.000
17.07.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
18.07.24	0.000	0.000	0.000	0.000	0.000	0.000	0.007	0.003	0.000
19.07.24	0.000	0.042	0.000	0.000	0.000	0.000	0.005	0.000	0.000
20.07.24	0.002	0.035	0.002	0.000	0.000	0.000	0.011	0.000	0.000
21.07.24	0.000	0.000	0.000	0.000	0.000	0.000	0.025	0.000	0.000
22.07.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.009	0.000
23.07.24	0.000	0.011	0.000	0.000	0.000	0.003	0.032	0.000	0.000
24.07.24	0.001	0.000	0.000	0.000	0.000	0.000	0.029	0.001	0.000
25.07.24	0.000	0.000	0.000	0.000	0.000	0.000	0.008	0.000	0.000
26.07.24	0.000	0.007	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27.07.24	0.014	0.000	0.000	0.000	0.000	0.000	0.059	0.000	0.000
28.07.24	0.000	0.059	0.000	0.000	0.000	0.000	0.063	0.000	0.000
29.07.24	0.030	0.000	0.000	0.000	0.000	0.000	0.004	0.023	0.000
30.07.24	0.000	0.114	0.000	0.000	0.000	0.000	0.020	0.000	0.000
31.07.24	0.000	0.000	0.000	0.000	0.000	0.000	0.091	0.000	0.000
TOTAL	**0.065**	**0.308**	**0.019**	**0.000**	**0.000**	**0.004**	**0.618**	**0.051**	**0.000**

ALL FIGURES IN MUs

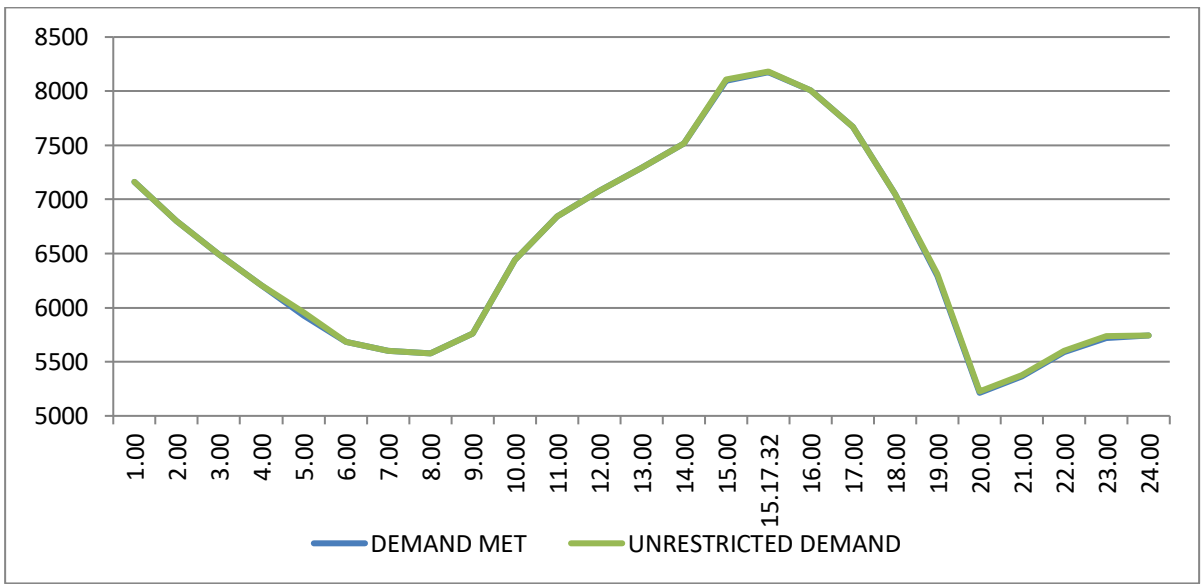
DATE	OTHER AGENCIES LIKE GENCO, BBMB, BTPS ETC.				THEFT PRONE SHEDDING			TOTAL SHEDDING DUE TO T&D CONSTS. & THEFT PRONE	GRAND TOTAL
	BSES		TPDDL	NDMC	BSES		TPDDL		
	BYPL	BRPL			BYPL	BRPL			
1	35	36	37	38	39	40	41	**42= 26 to 41**	**43 = 25 + 42**
01.07.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.025	0.025
02.07.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.057	0.057
03.07.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.120	0.120
04.07.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.026	0.026
05.07.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.006	0.006
06.07.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
07.07.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.011	0.011
08.07.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.017	0.017
09.07.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.007	0.007
10.07.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.012	0.012
11.07.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.019	0.019
12.07.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.020
13.07.24	0.000	0.000	0.0003	0.000	0.000	0.000	0.000	0.000	0.000
14.07.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15.07.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.015	0.015
16.07.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.021	0.021
17.07.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
18.07.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010
19.07.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.047	0.047
20.07.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.050	0.050
21.07.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.025	0.025
22.07.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.009	0.009
23.07.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.045	0.045
24.07.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.031	0.031
25.07.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.008	0.008
26.07.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.007	0.007
27.07.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.073	0.073
28.07.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.122	0.122
29.07.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.057	0.057
30.07.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.134	0.134
31.07.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.092	0.092
TOTAL	**0.000**	**0.000**	**0.0003**	**0.000**	**0.000**	**0.000**	**0.000**	**1.066**	**1.066**

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
01.07.24	140.808	7215	22:56:31	0	7215	7215	22:56:31	7215	0
02.07.24	150.001	7314	15:02:54	3	7317	7317	15:02:54	7314	3
03.07.24	138.547	6851	0:00:16	0	6851	6851	0:00:16	6851	0
04.07.24	128.319	6099	22:51:41	0	6099	6099	22:51:41	6099	0
05.07.24	124.877	6321	15:09:57	0	6321	6321	15:09:57	6321	0
06.07.24	124.004	5964	15:05:57	0	5964	5964	15:05:57	5964	0
07.07.24	115.772	5650	23:19:43	0	5650	5650	23:19:43	5650	0
08.07.24	119.231	5792	23:03:24	0	5792	5792	23:03:24	5792	0
09.07.24	125.77	6020	22:59:11	0	6020	6020	22:59:11	6020	0
10.07.24	136.741	6443	12:42:59	0	6443	6443	12:42:59	6443	0
11.07.24	142.886	7493	22:53:04	0	7493	7493	22:53:04	7493	0
12.07.24	139.416	7081	0:01:18	0	7081	7081	0:01:18	7081	0
13.07.24	131.609	6499	0:00:28	0	6499	6499	0:00:28	6499	0
14.07.24	131.782	6875	23:19:19	0	6875	6875	23:19:19	6875	0
15.07.24	140.907	6938	15:19:57	3	6941	6941	15:19:57	6938	3
16.07.24	150.016	7472	15:15:46	0	7472	7472	15:15:46	7472	0
17.07.24	153.009	7307	22:57:21	0	7307	7307	22:57:21	7307	0
18.07.24	146.888	7032	0:00:01	0	7032	7032	0:00:01	7032	0
19.07.24	148.512	7380	15:15:00	0	7380	7380	15:15:00	7380	0
20.07.24	146.39	7233	23:01:48	0	7233	7233	23:01:48	7233	0
21.07.24	146.093	7134	22:56:01	0	7134	7134	22:56:01	7134	0
22.07.24	145.664	7064	12:35:21	0	7064	7064	12:35:21	7064	0
23.07.24	148.433	7113	22:53:32	17	7130	7130	22:53:32	7113	17
24.07.24	143.584	6985	22:40:46	0	6985	6985	22:40:46	6985	0
25.07.24	143.894	7104	15:03:32	0	7104	7104	15:03:32	7104	0
26.07.24	146.036	7002	22:40:53	0	7002	7002	22:40:53	7002	0
27.07.24	141.736	6970	14:39:51	0	6970	6970	14:39:51	6970	0
28.07.24	143.105	7183	22:39:25	0	7183	7183	22:39:25	7183	0
29.07.24	153.105	7748	22:54:26	0	7748	7748	22:54:26	7748	0
30.07.24	164.346	8032	15:26:31	26	8058	8058	15:26:31	8032	26
31.07.24	158.491	8175	15:17:32	6	8181	8181	15:17:32	8175	6
TOTAL	4369.972	**8175**	15.17.32	6					
		31.07.24							

9. LOAD PATTERN OF DELHI ON THE DAY OF PEAK DEMAND MET DURING JULY 2024 ON 31.07.2024 - 8175MW AT 15.17.32HRS.

All figures in MW

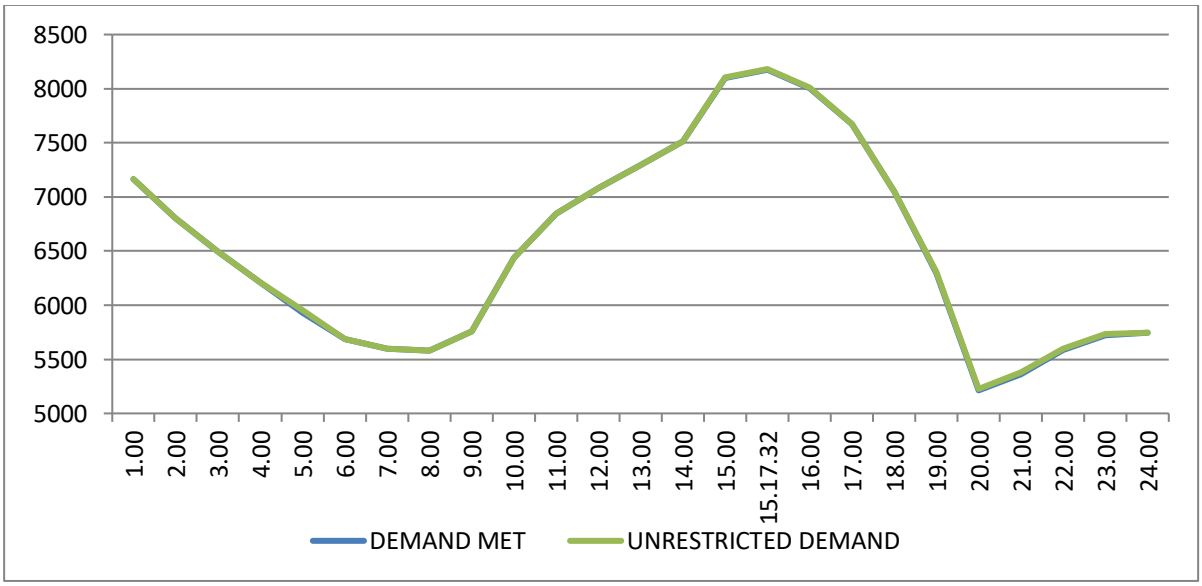
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	7164	0	7164
2.00	6802	0	6802
3.00	6495	0	6495
4.00	6211	0	6211
5.00	5926	29	5955
6.00	5684	0	5684
7.00	5600	0	5600
8.00	5577	0	5577
9.00	5760	0	5760
10.00	6438	0	6438
11.00	6844	0	6844
12.00	7081	0	7081
13.00	7293	0	7293
14.00	7515	0	7515
15.00	8099	6	8105
15.17.32	8175	6	8181
16.00	8006	4	8010
17.00	7673	0	7673
18.00	7052	0	7052
19.00	6295	13	6308
20.00	5213	13	5226
21.00	5363	13	5376
22.00	5587	13	5600
23.00	5722	13	5735
24.00	5743	0	5743
Total (IN MUS)	**158.491**	**0.092**	**158.583**



10 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UN-RESTRICTED DEMAND DURING JULY 2024 ON 31.07.2024 - 8181MW AT 15.17.32HRS.

All figures in MW

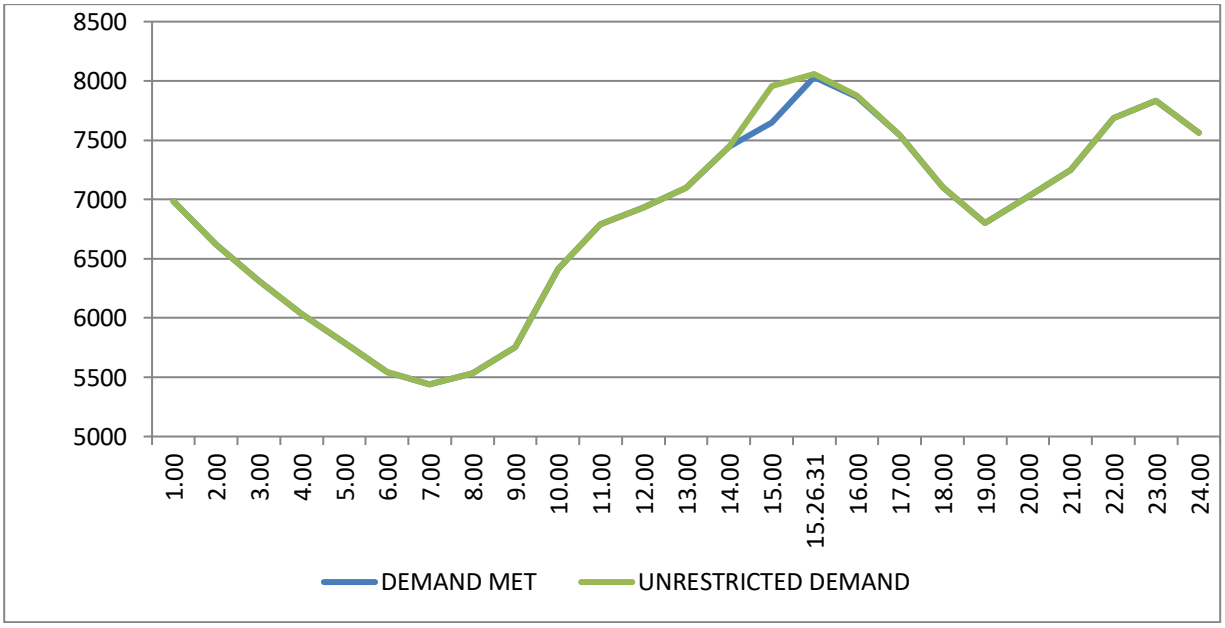
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	7164	0	7164
2.00	6802	0	6802
3.00	6495	0	6495
4.00	6211	0	6211
5.00	5926	29	5955
6.00	5684	0	5684
7.00	5600	0	5600
8.00	5577	0	5577
9.00	5760	0	5760
10.00	6438	0	6438
11.00	6844	0	6844
12.00	7081	0	7081
13.00	7293	0	7293
14.00	7515	0	7515
15.00	8099	6	8105
15.17.32	8175	6	8181
16.00	8006	4	8010
17.00	7673	0	7673
18.00	7052	0	7052
19.00	6295	13	6308
20.00	5213	13	5226
21.00	5363	13	5376
22.00	5587	13	5600
23.00	5722	13	5735
24.00	5743	0	5743
Total (IN MUS)	**158.491**	**0.092**	**158.583**



11 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM ENERGY CONSUMED DURING JULY 2024 – 30.07.2024 – 164.346Mus

All figures in MW

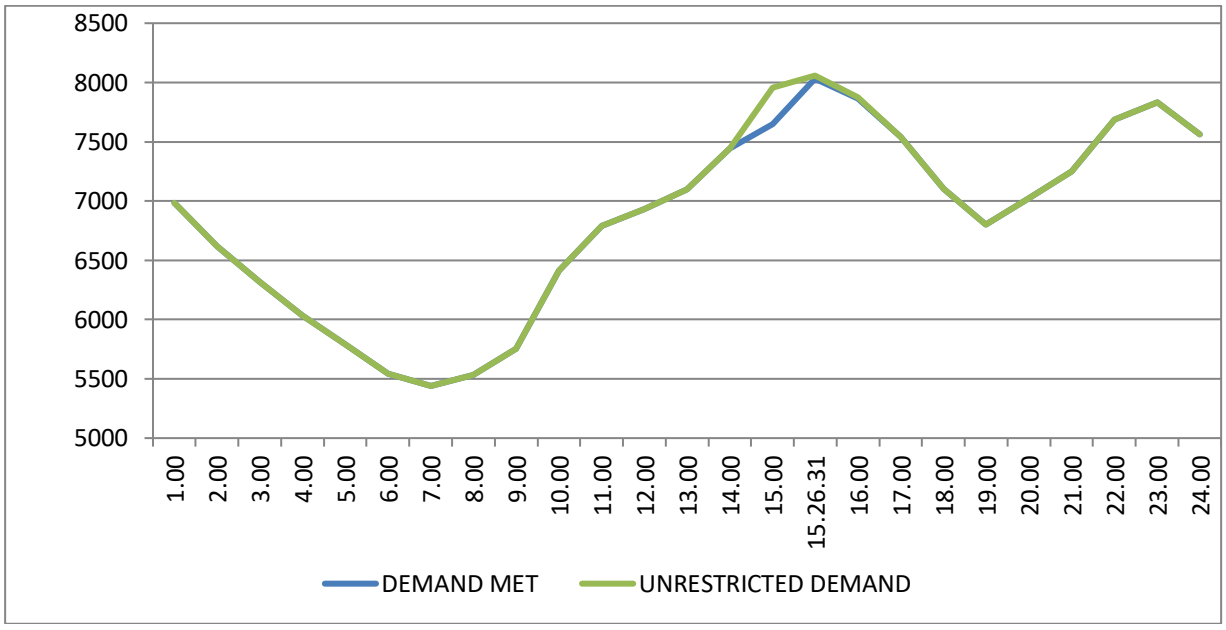
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	6984	0	6984
2.00	6616	0	6616
3.00	6317	0	6317
4.00	6035	0	6035
5.00	5793	0	5793
6.00	5544	0	5544
7.00	5440	0	5440
8.00	5531	0	5531
9.00	5755	0	5755
10.00	6411	0	6411
11.00	6793	0	6793
12.00	6929	0	6929
13.00	7099	0	7099
14.00	7442	0	7442
15.00	7650	304	7954
15.26.31	8032	26	8058
16.00	7863	10	7873
17.00	7540	0	7540
18.00	7102	0	7102
19.00	6802	0	6802
20.00	7023	0	7023
21.00	7252	0	7252
22.00	7686	0	7686
23.00	7830	0	7830
24.00	7562	0	7562
Total (IN MUS)	**164.346**	**0.134**	**164.480**



12 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UNRESTRICTED ENERGY DEMAND DURING JULY 2024 ON 30.07.2024- 164.480MUs

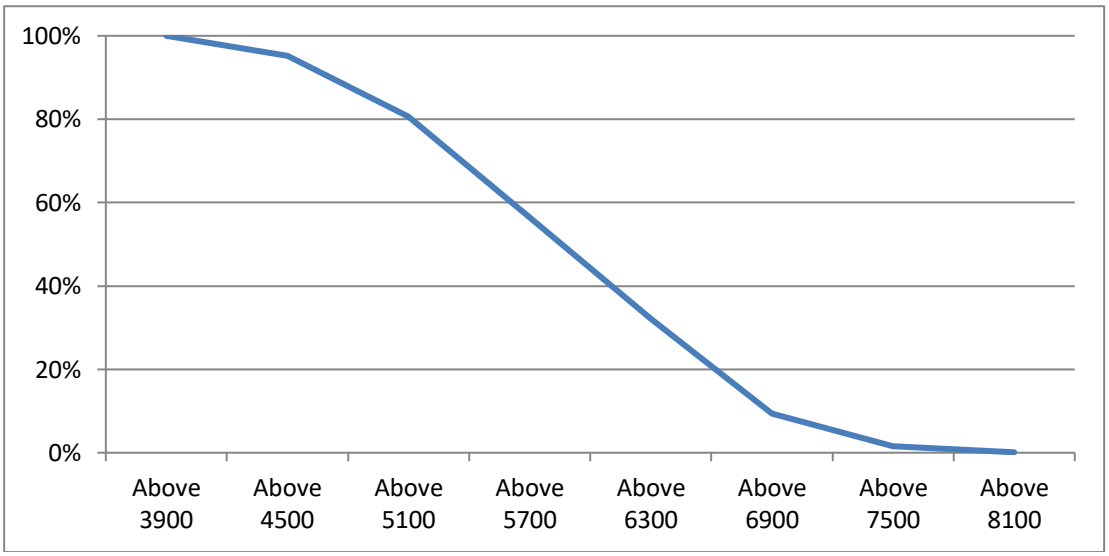
All figures in MW

Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	6984	0	6984
2.00	6616	0	6616
3.00	6317	0	6317
4.00	6035	0	6035
5.00	5793	0	5793
6.00	5544	0	5544
7.00	5440	0	5440
8.00	5531	0	5531
9.00	5755	0	5755
10.00	6411	0	6411
11.00	6793	0	6793
12.00	6929	0	6929
13.00	7099	0	7099
14.00	7442	0	7442
15.00	7650	304	7954
15.26.31	8032	26	8058
16.00	7863	10	7873
17.00	7540	0	7540
18.00	7102	0	7102
19.00	6802	0	6802
20.00	7023	0	7023
21.00	7252	0	7252
22.00	7686	0	7686
23.00	7830	0	7830
24.00	7562	0	7562
Total (IN MUS)	**164.346**	**0.134**	**164.480**



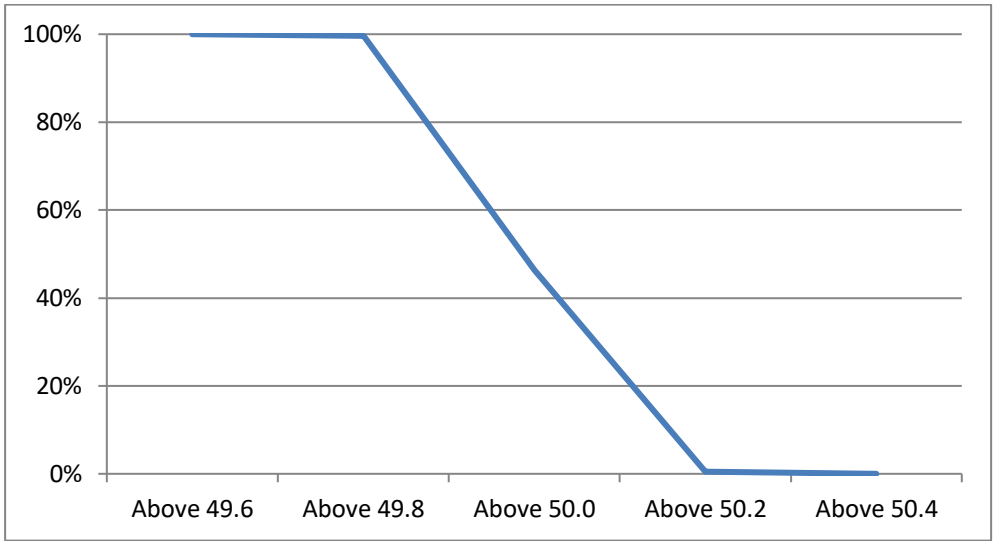
13 LOAD DURATION CURVE FOR JULY 2024

LOAD REMAINED ABOVE IN MW	(%) OF TIME
Above 3900	100%
Above 4500	95.19%
Above 5100	80.61%
Above 5700	56.35%
Above 6300	32.16%
Above 6900	9.44%
Above 7500	1.61%
Above 8100	0.10%



14 FREQUENCY ANALYSIS FOR THE MONTH OF JULY 2024

FREQUENCY REMAINED ABOVE IN HZ	(%) OF TIME
Above 49.6	100%
Above 49.8	99.60%
Above 50.0	46.36%
Above 50.2	0.51%
Above 50.4	0.00%



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

All figures in kV

Date	NARELA		GAZIPUR	
	Max	Min	Max	Min
01.07.24	223.14	211.48	223.61	212.93
02.07.24	222.80	212.03	226.01	208.75
03.07.24	223.66	214.27	224.39	210.62
04.07.24	229.49	217.91	225.66	213.47
05.07.24	226.41	216.49	229.25	211.87
06.07.24	226.78	216.44	231.08	218.69
07.07.24	228.42	217.17	232.52	220.61
08.07.24	225.78	216.27	231.77	218.07
09.07.24	224.43	213.99	228.58	216.25
10.07.24	224.10	213.47	229.24	211.31
11.07.24	223.67	211.06	226.91	210.30
12.07.24	227.17	213.02	231.24	214.86
13.07.24	226.40	213.77	231.30	216.05
14.07.24	223.94	214.44	228.20	218.06
15.07.24	224.34	212.14	227.04	212.92
16.07.24	223.21	209.25	226.38	211.96
17.07.24	223.98	212.96	229.07	216.54
18.07.24	223.42	211.33	226.98	213.69
19.07.24	224.29	212.36	228.60	213.92
20.07.24	226.13	213.43	228.00	211.56
21.07.24	225.88	213.20	228.25	215.52
22.07.24	225.21	216.44	227.28	215.17
23.07.24	226.48	214.62	228.76	209.43
24.07.24	225.92	213.13	227.05	213.45
25.07.24	226.05	214.83	229.61	210.21
26.07.24	226.58	213.62	228.65	211.08
27.07.24	226.58	213.00	227.07	212.20
28.07.24	226.58	213.91	228.53	213.87
29.07.24	224.97	209.04	225.15	205.90
30.07.24	225.11	210.67	227.30	208.00
31.07.24	228.93	211.66	225.20	208.10

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

All figures in kV

Date	400kV Bamnauli Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01.07.24	413.69	7:00:25	392.50	22:18:14	403.11
02.07.24	414.75	8:00:55	391.00	14:45:50	403.66
03.07.24	415.63	7:07:21	396.37	11:20:54	407.65
04.07.24	422.21	8:00:30	399.82	22:12:34	410.20
05.07.24	417.86	3:59:13	398.03	9:44:32	407.92
06.07.24	418.56	5:03:13	394.80	14:29:03	408.22
07.07.24	420.92	3:59:12	401.81	11:57:06	411.39
08.07.24	417.12	5:01:00	399.52	14:24:03	406.98
09.07.24	414.50	5:01:37	395.22	9:46:00	405.36
10.07.24	414.03	6:54:06	393.46	11:22:19	404.51
11.07.24	414.06	6:59:22	389.23	14:41:43	404.45
12.07.24	419.67	6:53:33	386.43	11:55:48	408.72
13.07.24	422.68	5:02:49	393.60	12:23:50	408.22
14.07.24	416.43	8:01:48	392.51	22:33:06	406.14
15.07.24	413.01	7:59:45	388.95	14:13:51	403.83
16.07.24	412.48	22:10:57	387.28	14:35:26	401.93
17.07.24	411.69	7:03:02	391.97	23:08:26	402.24
18.07.24	413.36	17:51:41	390.06	11:15:50	402.38
19.07.24	414.78	5:01:06	391.74	12:13:59	405.06
20.07.24	416.18	7:03:14	390.36	14:29:22	404.79
21.07.24	418.11	8:00:04	394.63	22:11:55	406.26
22.07.24	413.09	6:01:38	395.80	12:15:58	405.42
23.07.24	416.61	4:00:57	389.32	14:36:08	403.98
24.07.24	419.65	7:42:49	395.28	21:42:53	406.72
25.07.24	419.51	8:00:24	394.33	11:27:35	406.84
26.07.24	421.67	6:01:26	391.03	11:12:11	406.33
27.07.24	417.38	7:05:57	388.05	11:52:32	408.01
28.07.24	422.23	8:00:30	397.11	22:05:11	410.36
29.07.24	417.88	7:04:28	388.28	14:26:48	406.70
30.07.24	414.53	6:31:24	387.25	14:54:18	403.84
31.07.24	425.69	19:17:22	388.80	12:11:51	407.02

All figures in kV

Date	400kV Bawana Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01.07.24	411.96	5:01:09	393.50	12:15:20	402.80
02.07.24	411.76	4:58:54	391.30	14:43:46	402.72
03.07.24	411.89	3:57:50	394.36	11:20:13	405.67
04.07.24	418.09	4:38:29	401.23	12:23:32	408.73
05.07.24	415.47	3:59:00	399.23	9:44:30	407.21
06.07.24	414.45	5:01:21	397.27	12:22:09	407.50
07.07.24	417.37	4:57:14	402.21	11:56:36	410.01
08.07.24	415.09	5:01:04	400.55	11:43:14	406.90
09.07.24	412.32	5:01:39	396.86	11:44:20	404.63
10.07.24	410.29	4:00:30	394.02	10:43:53	403.04
11.07.24	409.80	17:50:30	392.53	11:48:11	403.39
12.07.24	415.15	5:02:46	394.62	12:11:50	408.24
13.07.24	417.50	5:02:51	396.76	12:26:20	408.38
14.07.24	412.61	8:01:05	397.20	22:27:07	406.05
15.07.24	410.56	8:00:46	393.91	14:14:52	404.12
16.07.24	409.84	7:01:01	390.99	14:38:42	402.44
17.07.24	408.96	6:46:29	396.62	23:08:25	403.05
18.07.24	410.27	17:51:53	392.97	11:36:47	402.58
19.07.24	409.51	5:03:12	393.28	12:24:16	402.90
20.07.24	410.53	8:00:21	391.93	14:12:56	402.96
21.07.24	412.82	8:00:23	395.36	22:12:01	404.00
22.07.24	407.94	19:02:15	395.96	11:07:36	402.89
23.07.24	413.11	6:00:54	392.57	12:25:21	403.09
24.07.24	416.30	7:18:19	395.92	14:42:41	405.02
25.07.24	414.19	8:04:22	395.98	11:34:22	405.33
26.07.24	416.21	6:01:53	395.32	11:12:18	405.25
27.07.24	413.53	5:01:14	393.34	11:52:45	406.50
28.07.24	416.19	7:01:24	396.59	22:07:22	407.11
29.07.24	411.10	7:32:56	386.58	14:25:40	402.09
30.07.24	407.81	5:05:49	387.11	14:55:00	399.73
31.07.24	415.38	19:17:15	387.18	12:11:53	402.39

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

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
1	01.07.24	0:02	WAZIRABAD 220/66kV 160MVA Tx-I	01.07.24	9:54	TRIPPED DUE TO TC COIL.
2	03.07.24	5:00	220kV GOPALPUR- MANDOLACKT-II	03.07.24	6:48	AT GOPALPUR : RY;B PHASE, 86ABC
3	04.07.24	14:22	220kV VASANT KUNJ - R.K.PURAM CKT.-I	04.07.24	15:00	AT R PHASE DROPPER DAMAGED AT VASANT KJUN.
4	04.07.24	14:22	220kV VASANT KUNJ - R.K.PURAM CKT.-II	04.07.24	15:50	AT VASANT KUNJ : prot, Zone-III, R Phase, 86
5	05.07.24	18:52	INDRAPRASTHA POWER 220/33kV 100MVA Tx-II	STILL	OUT	BUCHOLZ, 86.
6	05.07.24	18:52	INDRAPRASTHA POWER 220/33kV 100MVA Tx-I	05.07.24	19:10	O/C, R PHASE.
7	07.07.24	23:37	OKHLA 220/33kV 100MVA Tx-IV	08.07.24	12:28	DIFFERENTIAL, RYB PHASE, LV REF.
8	08.07.24	23:30	BAMNAULI 400/220kV 500MVA ICT-II	09.07.24	15:35	TRIPED WITHOUT RELAY.
9	09.07.24	6:15	KASHMIRI GATE 33/11kV, 16MVA Tx	09.07.24	14:04	86, DIFFERENTIAL, R&Y PHASE.
10	09.07.24	8:10	SUBZI MANDI 220/33kV 100MVA Tx-I	09.07.24	8:38	PD RELAY.
11	09.07.24	12:05	MUNDKA 220/66kV 160MVA Tx-III	09.07.24	19:52	86AB, BUCHOLZ.
12	09.07.24	17:00	BAMNAULI 400/220kV 500MVA ICT-II	09.07.24	18:39	TRIPPED WITHOUT RELAY.
13	09.07.24	21:30	PAPPANKALAN-II 220/66kV 160MVA Tx-III	10.07.24	12:13	RYB PHASE, DIFFERENTIAL, 86
14	10.07.24	7:10	SUBZI MANDI 220/33kV 100MVA Tx-I	10.07.24	7:17	86
15	11.07.24	13:53	220KV WAZIRABAD - MANDOLA CKT-I	11.07.24	18:21	AT WAZIRABAD : R PHASE, O/C
16	11.07.24	17:50	220kV GEETA COLONY-PATPARGANJ CKT -II	11.07.24	20:01	AT GEETA COLONY : DIST PROT, DIST 3.944KM, 86ABC. AT PATPARGANJ : DIST PROT, ZONE-I, DIST 584MTS., 86.
17	12.07.24	7:28	OKHLA 220/33kV 100MVA Tx-III	12.07.24	7:48	TRIPPED ON Y PHASE.
18	12.07.24	7:28	OKHLA 220/33kV 100MVA Tx-IV	12.07.24	7:48	TRIPPED ON R&Y PHASE.
19	12.07.24	7:28	OKHLA 220/33kV 100MVA Tx-V	12.07.24	7:48	TRIPPED ON R&Y PHASE.
20	12.07.24	11:37	400kV Mundka-Jhatikara Ckt-I	12.07.24	21:36	86A&B
21	12.07.24	14:08	PARKSTREET 220/33kV 100MVA Tx-II	12.07.24	18:00	DIFFERENTIAL, BUCHOLZ.
22	14.07.24	10:36	R K PURAM 220/33kV 100MVA Tx-I	14.07.24	16:29	86
23	16.07.24	6:21	RIDGE VALLEY 220/66kV 160MVA Tx-II	16.07.24	11:33	86, DIFFERTNIAL.
24	19.07.24	16:44	OKHLA 220/33kV 100MVA Tx-V	19.07.24	17:30	DUE TO BIRDAE, B PHASE, O/C, 86.
25	19.07.24	16:44	OKHLA 220/33kV 100MVA Tx-IV	19.07.24	17:30	DUE TO BIRDAE, B PHASE, O/C, 86.
26	19.07.24	16:44	OKHLA 220/33kV 100MVA Tx-III	19.07.24	17:30	DUE TO BIRDAE, B PHASE, O/C, 86.
27	20.07.24	10:45	MEHRAULI 220/66kV 100MVA Tx-III	20.07.24	11:02	TRIPPED WITHOUT INDICATION.
28	20.07.24	10:45	MEHRAULI 220/66kV 100MVA Tx-II	20.07.24	11:02	86, B PHASAE, O/C
29	20.07.24	10:45	MEHRAULI 220/66kV 100MVA Tx-I	20.07.24	11:02	O/C, B PHASE, 86
30	20.07.24	14:58	KASHMIRI GATE 220/33kV 100MVA Tx-I	20.07.24	16:48	B PHSE, E/F, 86.
31	21.07.24	17:28	220kV GEETA COLONY-PATPARGANJ CKT-I	21.07.24	18:53	AT GEETA COLONY : O/C, E/F, ZONE-I, DIST 2.671KM.

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
32	21.07.24	20:50	220kV GOPALPUR-SUBZI MANDI CKT-II	22.07.24	8:32	AT GOPALPUR : RYB PHSE, 86A&B.
33	24.07.24	11:02	PARKSTREET 220/33kV 100MVA Tx-I	24.07.24	13:05	ANY TRIP, O/C, Y&B PHASE, 86, E/F
34	26.07.24	10:03	MEHRAULI 220/66kV 100MVA Tx-II	26.07.24	12:08	86
35	26.07.24	10:03	MEHRAULI 220/66kV 160MVA Tx-I	26.07.24	10:30	TRIPPED WITHOUT INDICATION.
36	26.07.24	13:36	BAMNAULI 400/220kV 500MVA ICT-II	26.07.24	16:05	REF, 86.
37	26.07.24	19:40	VASANT KUNJ 220/66kV 100MVA Tx-II	27.07.24	0:57	86
38	27.07.24	16:07	INDRAPRASTHA POWER 220/33kV 100MVA Tx-I	27.07.24	17:48	86
39	28.07.24	7:42	220kV WAZIRABAD-GEETA COLONY CKT-II	28.07.24	9:09	AT WAZIRABAD : B PHASE, DIST PROT, ZONE-I, 86, DIST 4.086KM. AT GEETA COLONY : DIST PROT, ZONE-I, DIST 2.903KM.
40	28.07.24	17:39	INDRAPRASTHA POWER 220/33kV 100MVA Tx-I	28.07.24	21:15	RYB PHASE, DIFFERENTIAL.
41	28.07.24	21:53	MEHRAULI 220/66kV 100MVA Tx-III	28.07.24	22:14	I/C Tripped without indication.
42	28.07.24	21:53	MEHRAULI 220/66kV 100MVA Tx-I	29.07.24	13:00	LV REF, 195A
43	28.07.24	22:05	MEHRAULI 220/66kV 160MVA Tx-I	28.07.24	22:14	I/C Tripped without indication.
44	29.07.24	6:48	PARKSTREET 220/33kV 100MVA Tx-I	29.07.24	7:21	O/C, R PHASE, 86. E/F
45	29.07.24	13:58	PARKSTREET 220/33kV 100MVA Tx-II	29.07.24	16:23	86A&B, RYB PHASE, DIFFERENTIAL.
46	29.07.24	14:40	SHALIMAR BAGH 220/33kV 100MVA Tx-I	29.07.24	15:03	86
47	29.07.24	14:40	SHALIMAR BAGH 220/33kV 100MVA Tx-III	29.07.24	15:03	86
48	29.07.24	14:40	SHALIMAR BAGH 220/66kV 100MVA Tx-I	29.07.24	15:03	86
49	29.07.24	14:40	220KV BAWANA-SHALIMARBAGH CKT-II	29.07.24	9:09	At Bawana : Manually made off due to heavy flash observed in R- phase line isolator at 400kV Bawana S/Stn.
50	30.07.24	11:58	220kV BAMNAULI - DIAL CKT-II	30.07.24	15:36	AT BAMNAULI : DIST PROT, ZONE-II, DIST 10.66KM, 186A&B, C PAHSE.
51	30.07.24	14:54	220kV BAMNAULI-NAJAFGARH CKT-II	30.07.24	16:18	At Bamnauli: Differential Trip, Y&B Phase, Dist prot, Dist 27.6kM. 86ABC, 186A&B. At Najafgarh: Dist prot, zone-I, B Phase, Dist 6.3kM.
52	30.07.24	14:56	220kV BAMNAULI-NAJAFGARH CKT-I	30.07.24	15:05	At Najafgarh : O/C
53	30.07.24	22:00	MASJID MOTH 220/33kV 100MVA Tr-III	31.07.24	14:25	B PHASE CT BLAST, DIFFERETNCIAL, RYB PHASE, 86.
54	31.07.24	14:48	PATPARGANJ 33/11kV, 16MVA Tx	01.08.24	7:30	R PHASE, 86, DIFFERENTIAL.
55	31.07.24	19:22	220kV MAHARANI BAGH - SARITA VIHAR CKT	01.08.24	12:15	AT SARITA VIHAR : DIST PROT, ZONE-I, DIST 6.48KM, RYB PHASE.
56	31.07.24	19:43	LODHI RD 33/11kV, 16MVA Tx-III	01.08.24	14:05	86AB.

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

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