DELHI TRANSCO LTD.

STATE LOAD DISPATCH CENTER

PROGRESS REPORT

****

SEPTEMBER 2024

1 SALIENT FEATURES OF DELHI POWER SYSTEM

Sr. No.	Features	SEPT. 2023	SEPT. 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)**	**6993**	**6785**
	Date	05.09.23	24.09.24
	Time	22.48.35	15.22.48
3	**Peak Demand met (MW)**	**6993**	**6780**
	Date	05.09.23	24.09.24
	Time	22.48.35	15.22.48
4	Peak Availability (MW)	7006	6603
5	Shortage (-) / Surplus (+) in MW	(+) 13	(-) 177
6	Percentage Shortage (-) / Surplus (+)	(+) 0.19	(-) 0.03
7	Maximum Energy Consume in a day (Mus)	140.602	139.020
8	Energy Consumed during the month	**3744.197**	**3545.653**
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	0.295	0.246
	TPDDL	0.009	0.028
	BRPL	0.155	0.332
	BYPL	0.050	0.086
	NDMC	0.000	0.000
	MES	0.000	0.000
	Other Agencies	0.000	0.000
	Total	**0.509**	**0.692**
10	**Grand Total in Mus**	**0.509**	**0.692**

0.086 0.332 0.028

2. PERFORMANCE OF GENERATING STATIONS WITHIN DELHI DURING SEPTEMBER 2024

A) For the month of September 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	25.476	1.534	23.942	88.51	31.860
3.	PPCL	56.021	1.670	54.351	101.00	179.520
4.	Bawana	171.991	6.258	165.733	69.63	366.220
	TOTAL	**253.488**	**9.582**	**243.906**	--	**577.600**

WASTE TO ENERGY GENERATING PLANTS WITHIN DELHI

S. No	Stations	Gross Generation	Aux. Consumption	Net Generation
5.	Towmcl	14.662	2.550	12.112
6.	EDWPCL	4.896	1.025	3.871
7.	DMSWL	13.498	2.235	11.263
8.	TWEPL	19.662	1.958	17.704
	TOTAL	**52.718**	**7.768**	**44.95**

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

Power Station	Effective Capacity (MW)	Net Generation in MUs for Sept. 2024	Availability (%) for Sept. 2024	Cumulative Generation in MUs upto Sept. 2024 for the year 2024-25	Cumulative Availability in % upto Sept. 2024 for the year 2024-25
RPH	135	-0.120	--	-0.732	--
GT	90	23.942	88.51	132.21	89.91
PPCL	330	54.351	101.00	660.094	92.07
Bawana	1372	165.733	69.63	2011.893	85.63
TOTAL	1927	**243.906**	--	2803.465	--

WASTE TO ENERGY GENERATING PLANTS WITHIN DELHI

Power Station	Effective Capacity (MW)	Net Generation in MUs for Sept. 2024	Cumulative Generation in MUs upto Sept. 2024 for the year 2024-25
Towmcl	16	12.112	72.264
EDWPCL	10	3.871	23.855
DMSWL	24	11.263	69.881
TWEPL	25	17.704	102.84
TOTAL	**75**	**44.95**	**268.84**

3 DETAILS OF CUMULATIVE OUTAGES OF GENERATING STNS. WITHIN DELHI FOR FY 2024-25 UTPO SEPTEMBER 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
		01.08.24	00.00	12.08.24	13.10	GT#1 is standby as there is no demand from SLDC
		12.08.24	13.18	13.08.24	12.57	GT#1 is standby as there is no demand from SLDC
		13.08.24	14.28	23.08.24	07.58	GT#1 is standby as there is no demand from SLDC
		23.08.24	12.15	20.09.24	08.26	GT#1 is standby as there is no demand from SLDC
		22.09.24	00.00	22.09.24	08.10	GT#1 is standby as there is no demand from SLDC
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 SLDC
		19.05.24	00.02	20.05.24	21.02	GT#5 is standby as there is no demand from SLDC
		25.05.24	00.02	28.05.24	23.56	GT#5 is standby as there is no demand from SLDC
		02.06.24	00.01	03.06.24	23.59	GT#5 is standby as there is no demand from SLDC
		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 SLDC
		15.06.24	00.02	17.06.24	23.59	GT#6 is standby as there is no demand from SLDC
		22.06.24	00.00	03.07.24	11:00	GT#6 is standby as there is no demand from SLDC
		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
		26.08.24	01.10	26.08.24	12.08	GT#6 came on FSNL because STG#3 tripped with heavy jerk. It is found that 20 MVA,66 KV breaker tripped alongwith ACW-3, CW-3 & CT Fans 3&4 tripped.
		07.09.24	13.30	07.09.24	14.30	GT#6 tripped alongwith STG#3 due to tripping of both Trfs. 160 MVA-1&2 tripped from 220KV side due to grid disturbance
		20.09.24	21.15	30.09.24	23.59	GT#6 is standby as there is no demand from SLDC

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
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
		01.08.24	00.00	20.09.24	20.08	Blr#1 is standby as there is no demand from SLDC
		21.09.24	00.40	22.09.24	15.32	STG#1 tripped suddenly without any alarm, AVR trip command persist alarm,turbine trip CH-1 &CH-2 operated.Trip oil pressure very low etc.
		22.09.24	17.32	22.09.24	22.08	STG#1 desychronised as winding temp. was having inceasing trend and Gen. cooler valve seat has been stuck
		23.09.24	12.45	24.09.24	10.45	STG#1 tripped suddenly with the following alarms :- 1) CH-1 & CH-2 operated. 2)Trip oil pressure very low. 3)AVR trip command persist & following relays got uop operated 60ppx,86GB(Class-B).
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 SLDC
		19.05.24	00.02	20.05.24	23.02	Blr#5 is standby as there is no demand from SLDC
		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 SLDC
		02.06.24	00.01	04.06.24	02.09	Blr#5 is standby as there is no demand from SLDC
		08.06.24	00.00	10.06.24	15.17	Blr#6 is standby as there is no demand from SLDC
		15.06.24	00.04	17.06.24	23.59	Blr#6 is standby as there is no demand from SLDC
		23.06.24	11.00	30.06.24	23.59	Blr#6 is standby as there is no demand from SLDC
		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
		26.08.24	01.10	26.08.24	14.05	STG#3 tripped with heavy jerk. It is found that 20 MVA,66 KV breaker tripped alongwith ACW-3, CW-3 & CT Fans 3&4 tripped.
		07.09.24	13.30	07.09.24	15.30	STG#3 tripped due to tripping of both Trfs. 160 MVA-1&2 tripped from 220KV side due to grid disturbance
		09.09.24	02.00	09.09.24	16.14	STG#3 dysnchronized due to sudden jerk observed in C/R. CEP-3B tripped alongwith Vapour Ext. Fan & Seal Air Ext. Fan. ACW-3 and Sen Nursing Home feeder(Outgoing) also tripped.
		17.09.24	16.08	17.09.24	20.40	STG#3 tripped due to 24V battery charger supply,failed in Woodward Governor. Relay operated is timer for 37G2C(Trip from Turbine).
		20.09.24	21.15	30.09.24	23.59	GT # 6/ BLR #6 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
		01.08.24	00.00	07.08.24	12.30	Unit stopped due to less demand
		07.08.24	12.30	07.08.24	18.00	Unit stopped to attend fault.
		07.08.24	18.00	09.09.24	06.29	Unit stopped due to less demand
		13.09.24	14.05	23.09.24	13.17	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
		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
		01.08.24	16.00	01.08.24	16.58	Unit tripped on internal fault.
		04.08.24	12.42	04.08.24	13.48	Unit tripped on internal fault.
		04.09.24	14.05	30.09.24	23.59	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
		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
		01.08.24	16.00	01.08.24	18.36	Unit tripped on internal fault.
		04.08.24	12.42	04.08.24	15.16	Unit tripped on internal fault.
		18.08.24	10.51	18.08.24	11.57	Unit tripped on internal fault.
		04.09.24	14.05	09.09.24	14.37	Unit stopped due to less demand
		10.09.24	18.28	10.09.24	19.18	Unit tripped on internal fault.
		10.09.24	20.08	10.09.24	21.44	Unit tripped on internal fault.
		13.09.24	14.07	23.09.24	13.17	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.
		21.08.24	21.57	22.08.24	13.30	Forced outage due to GCB fault
		07.09.24	13.25	07.09.24	14.34	Due to auxiliary transformer (SAT#2) BUCHHOLZ RELAY OPERATED and all the auxiliary system tripped.
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.
		18.08.24	17.40	30.09.24	23.59	Forced Outage: Due to inspection of Gas Turbine Generator of GT#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.
		21.08.24	22.01	22.08.24	13.30	Forced Outage: Due to outage of GT#1. (1/2 STG)
		07.09.24	13.25	07.09.24	16.55	Due to outage of GT#1. (1/2 STG)

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
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
		01.08.24	05.00	04.08.24	10.00	Forced Outage: Due to no raw water supply from DJB (Channel damaged), GT-3 & 4 are available on OC only.
		18.08.24	17.40	30.09.24	23.59	Forced Ouatge: Due to outage of GT#4. (1/2 STG)

4 ALLOCATION OF POWER TO DISCOMS

A) ALLOCTION OF DELHI AND DISCOMS (IN MW) FROM VARIOUS CENTRAL SECTOR, STATE SECTOR GENERATING STATIONS ALONG WITH LTAs w.e.f. 01.08.2024

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	**11.82744**	**49.56**	**19.32**	**11.17**	**13.50**	**5.56**	0		
Auriya GPS	663.36	**12.17774**	**80.78**	**31.64**	**18.30**	**22.10**	**8.74**	0		
Dadri GPS	829.78	**12.33157**	**102.32**	**39.94**	**23.09**	**27.91**	**11.38**	0		
Total Gas Based	**3703.14**		**1749**	**648**	**373**	**452**	**230**	**45**	**1.00**	**0.00**
Coal Based Stn										
Singrauli STPS	2000	**7.789718**	**155.79**	**29.64**	**74.34**	**46.02**	**5.79**	0		
Rihand Stage-I	1000	**10.287864**	**102.88**	**69.32**	**0.00**	**30.68**	**2.88**	0		
Rihand Stage -II	1000	**12.912896**	**129.13**	**55.34**	**32.00**	**38.66**	**3.13**	0		
Rihand Stage-III	1000	**13.538662**	**135.39**	**78.17**	**53.74**	**0.00**	**3.48**	0		
Dadri (Th) -II	980	**74.673099**	**731.80**	**543.59**	**175.10**	**9.98**	**3.12**	0		
Unchahaar-I TPS	420	**5.820556**	**24.45**	**10.53**	**6.09**	**7.36**	**0.46**	0		
Unchahaar-II TPS	420	**11.537662**	**48.46**	**20.64**	**11.94**	**14.42**	**1.46**	0		
Unchahaar-III TPS	210	**14.152099**	**29.72**	**12.74**	**7.37**	**8.90**	**0.72**	0		
Unchahaar-IV TPS	500	**0.347662**	**1.74**	**0.00**	**0.00**	**0.00**	**1.74**			
Jhajjar	1500	**46.870783**	**703.06**	**10.00**	**69.21**	**613.79**	**10.06**	0		
Meja TPS	1320	**0.661957**	**8.74**	**0.00**	**0.00**	**0.00**	**8.74**			
Tanda-II TPS	1320	**0.231775**	**3.06**	**0.00**	**0.00**	**0.00**	**3.06**			
Farakka(From ER)	1600	1.39	22.24	9.768	5.648	6.824		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**		**3686.44**	**1173.004**	**1020.2356**	**1428.5697**	**44.6362**	**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	**14.91870**	**44.76**	**17.56**	**10.16**	**12.27**	**4.77**	0		
Chamera-III HEP	231	**14.05791**	**32.47**	**12.92**	**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	**14.77591**	**35.46**	**14.18**	**8.20**	**9.90**	**3.18**	0		
Sewa HEP	120	**14.65391**	**17.58**	**7.02**	**4.06**	**4.91**	**1.59**	0		
Dhauli Ganga HEP	280	**14.53391**	**40.69**	**16.25**	**9.39**	**11.35**	**3.71**	0		
Dulhasti HEP	390	**14.15391**	**55.20**	**21.98**	**12.71**	**15.35**	**5.16**	0		
Parbati-III HEP	520	**14.05391**	**73.08**	**29.07**	**16.81**	**20.31**	**6.88**	0		
Nathpa Jhakri HEP	1500	**10.34378**	**155.16**	**62.39**	**36.08**	**43.58**	**13.11**	0		
Tehri Hydro	1000	**7.17378**	**71.74**	**43.67**	**0.00**	**19.33**	**8.74**	0		
Koteshwar HEP	400	**10.73378**	**42.94**	**27.34**	**0.00**	**12.10**	**3.50**	0		
Singrauli Hyd	8	**20.45391**	**1.64**	**0.00**	**0.00**	**1.53**	**0.11**			
Tala HEP	1020	2.94	29.99	13	8	9		0		
Kishan Ganag	330	**1.32391**	**4.37**				**4.37**			
Koldem	800	**0.61341**	**4.91**				**4.91**			
Rampur	412.02	**0.80670**	**3.32**				**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**		**892.11**	**414.4**	**165.3**	**246.1**	**66.4**	**0.0**	**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	**11.96420**	**52.64**	**32.57**	**0.00**	**14.42**	**5.65**	0		
RAPP (C)	440	**14.83650**	**65.28**	**24.53**	**14.18**	**17.13**	**9.44**	0		
Total Nuclear	**880**		**117.92308**	**57.100454**	**14.1812**	**31.546346**	**15.0951**	**0**	**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**		**8273**	**3276**	**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. 01.08.2024

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 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	**11.827444**	**49.56**	**38.99405**	**22.54925**	**27.23327**	**11.22342**	0.00		
Auriya GPS	663.36	**12.177735**	**80.78**	**39.16985**	**22.64789**	**27.36141**	**10.82085**	0.00		
Dadri GPS	829.78	**12.331574**	**102.32**	**39.03252**	**22.56537**	**27.27585**	**11.12246**	0.00		
Total Gas Based	**3703.14**		**1749**							
Coal Based Stn										
Singrauli STPS	2000	**7.789718**	**155.79**	**19.0251**	**47.7167**	**29.5389**	**3.7192**	**0.00**		
Rihand Stage-I	1000	**10.287864**	**102.88**	**67.3804**	**0.0000**	**29.8215**	**2.7981**	**0.00**		
Rihand Stage -II	1000	**12.912896**	**129.13**	**42.8564**	**24.7814**	**29.9391**	**2.4231**	**0.00**		
Rihand Stage-III	1000	**13.538662**	**135.39**	**57.7383**	**39.6937**	**0.0000**	**2.5679**	**0.000**		
Dadri (Th) -II	980	**74.673099**	**731.80**	**74.2822**	**23.9276**	**1.3642**	**0.4260**	**0.000**		
Unchahaar-I TPS	420	**5.820556**	**24.45**	**43.0887**	**24.9117**	**30.1002**	**1.8994**	**0.00**		
Unchahaar-II TPS	420	**11.537662**	**48.46**	**42.5962**	**24.6350**	**29.7556**	**3.0133**	**0.00**		
Unchahaar-III TPS	210	**14.152099**	**29.72**	**42.8676**	**24.7986**	**29.9383**	**2.4173**	**0.00**		
Unchahaar-IV TPS	500	**0.347662**	**1.74**	**0.0000**	**0.0000**	**0.0000**	**100.0000**	**0.00**		
Jhajjar	1500	**46.870783**	**703.06**	**1.4224**	**9.8441**	**87.3024**	**1.4311**	**0.00**		
Meja TPS	1320	**0.661957**	**8.74**	**0.0000**	**0.0000**	**0.0000**	**100.0000**	**0.00**		
Tanda-II TPS	1320	**0.231775**	**3.06**	**0.0000**	**0.0000**	**0.0000**	**100.0000**	**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**		**3686.4442**							
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	14.91870	**44.75609**	**39.23935**	**22.69635**	**27.41526**	**10.64903**	0.00		
Chamera-III HEP	231	14.05791	**32.47378**	**39.78542**	**23.00484**	**27.79218**	**9.41756**	0.00		
URI-I HEP	480	11.04	52.992	43.92	25.40	30.68	0.000	0.00		
URI -II HEP	240	**14.77591**	**35.46219**	**39.98399**	**23.12547**	**27.93059**	**8.95994**	0.00		
Sewa HEP	120	**14.65391**	**17.58470**	**39.94837**	**23.10646**	**27.91063**	**9.03454**	0.00		
Dhauli Ganga HEP	280	**14.53391**	**40.69496**	**39.92043**	**23.08394**	**27.88650**	**9.10913**	0.00		
Dulhasti HEP	390	**14.15391**	**55.20026**	**39.81231**	**23.02543**	**27.80856**	**9.35369**	0.00		
Parbati-III HEP	520	**14.05391**	**73.08035**	**39.78251**	**23.00427**	**27.79297**	**9.42024**	0.00		
Nathpa Jhakri HEP	1500	**10.34378**	**155.15675**	**40.20966**	**23.25455**	**28.08837**	**8.44742**	0.00		
Tehri Hydro	1000	**7.17378**	**71.73783**	**60.87444**	**0.00000**	**26.94534**	**12.18023**	0.00		
Koteshwar HEP	400	**10.73378**	**42.93513**	**63.67746**	**0.00000**	**28.18205**	**8.14049**	0.00		
Singrauli Hyd	8	**20.45391**	**1.63631**	**0.00000**	**0.00000**	**93.50289**	**6.47266**	0.00		
Tala HEP	1020	2.94	29.99	43.92	25.40	30.68	0.00	0.00		
Kishan Ganag	330	**1.32391**	**4.36891**	**0.00000**	**0.00000**	**0.00000**	**100.00000**	0.00		
Koldem	800	**0.61341**	**4.90730**	**0.00000**	**0.00000**	**0.00000**	**100.00000**	0.00		
Rampur	412.02	**0.80670**	**3.32378**	**0.00000**	**0.00000**	**0.00000**	**100.00000**	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**		**892.11**							
Nuclear Based Stn										
Narora APS	440	**11.9642**	**52.6425**	**61.8794**	**0.0000**	**27.3869**	**10.7337**	**0.0000**		
RAPP (C)	440	**14.8365**	**65.2806**	**37.5695**	**21.7234**	**26.2393**	**14.4677**	**0.0000**		
Total Nuclear	**880**		**117.92308**							

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
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**		**8273**							

5 POWER AVAILABILITY-DEMAND POSITION AT THE TIME OF PEAK DEMAND MET DURING SEPTEMBER 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	22.56.19	39	151	269	15	6	18	12	510	6064	6028	36	6574	0	6574
2	15.17.05	34	149	269	15	5	17	27	516	5809	5702	107	6325	0	6325
3	15.05.39	32	146	270	15	9	15	27	514	6164	6022	142	6678	0	6678
4	00.00.51	36	154	271	15	9	18	24	526	5270	5465	-195	5796	0	5796
5	15.18.34	33	0	267	15	8	15	26	364	5367	5560	-193	5731	0	5731
6	15.11.40	34	0	267	14	6	6	27	354	5462	5432	30	5816	0	5816
7	15.06.49	27	0	26	14	8	16	27	118	5434	5361	73	5552	0	5552
8	23.00.12	34	0	268	14	0	5	27	349	4820	4853	-33	5169	0	5169
9	14.54.36	26	142	267	14	9	7	27	492	5306	5486	-180	5798	0	5798
10	14.49.48	32	143	272	14	8	17	27	513	5679	5620	59	6192	0	6192
11	14.32.04	34	146	269	14	7	15	27	512	5230	5047	183	5742	0	5742
12	00.00.07	35	148	269	14	9	18	27	519	4804	4782	22	5323	0	5323
13	12.27.50	35	148	269	14	9	18	27	519	4685	4695	-10	5204	0	5204
14	18.57.51	35	0	0	19	5	14	27	100	4601	4507	94	4701	0	4701
15	19.26.10	34	0	0	19	5	17	25	100	4594	4351	243	4694	0	4694
16	19.20.55	34	0	0	18	6	18	27	103	4994	4813	181	5097	0	5097
17	15.41.43	34	0	0	18	1	15	26	94	5452	5409	43	5546	0	5546
18	10.46.38	35	0	0	18	5	18	27	103	5142	5130	12	5245	0	5245
19	18.46.26	34	0	0	19	5	6	26	90	4963	4967	-4	5053	0	5053
20	15.53.22	60	0	31	19	5	17	26	158	5266	5123	143	5424	0	5424
21	22.44.51	27	0	302	19	5	19	27	400	5034	4923	111	5434	0	5434
22	22.59.47	38	0	297	19	9	17	26	406	5339	5255	84	5745	0	5745
23	15.16.27	27	143	281	19	5	17	25	517	5939	5868	71	6456	0	6456
24	15.22.48	35	142	469	17	7	18	25	714	6066	5890	176	6780	5	6785
25	15.06.54	35	142	553	18	9	15	25	797	5957	5944	13	6754	0	6754
26	15.33.20	35	142	553	18	9	15	25	797	5800	5755	45	6597	0	6597
27	15.40.29	38	146	270	19	10	14	19	516	5535	5366	169	6051	0	6051
28	15.06.43	38	147	268	19	8	17	22	519	4863	4837	26	5382	0	5382
29	22.57.52	39	150	268	19	9	16	24	525	4967	4953	14	5492	0	5492
30	12.33.08	37	146	267	19	8	17	14	508	5483	5164	319	5991	0	5991

6 POWER AVAILABILITY- DEMAND POSITION AT THE TIME OF MAXIMUM UNRESTRICTED DEMAND DURING SEPTEMBER 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	22.56.19	39	151	269	15	6	18	12	510	6064	6028	36	6574	0	6574
2	15.17.05	34	149	269	15	5	17	27	516	5809	5702	107	6325	0	6325
3	15.05.39	32	146	270	15	9	15	27	514	6164	6022	142	6678	0	6678
4	00.00.51	36	154	271	15	9	18	24	526	5270	5465	-195	5796	0	5796
5	15.18.34	33	0	267	15	8	15	26	364	5367	5560	-193	5731	0	5731
6	15.11.40	34	0	267	14	6	6	27	354	5462	5432	30	5816	0	5816
7	15.06.49	27	0	26	14	8	16	27	118	5434	5361	73	5552	0	5552
8	23.00.12	34	0	268	14	0	5	27	349	4820	4853	-33	5169	0	5169
9	14.54.36	26	142	267	14	9	7	27	492	5306	5486	-180	5798	0	5798
10	14.49.48	32	143	272	14	8	17	27	513	5679	5620	59	6192	0	6192
11	14.32.04	34	146	269	14	7	15	27	512	5230	5047	183	5742	0	5742
12	00.00.07	35	148	269	14	9	18	27	519	4804	4782	22	5323	0	5323
13	12.27.50	35	148	269	14	9	18	27	519	4685	4695	-10	5204	0	5204
14	18.57.51	35	0	0	19	5	14	27	100	4601	4507	94	4701	0	4701
15	19.26.10	34	0	0	19	5	17	25	100	4594	4351	243	4694	0	4694
16	19.20.55	34	0	0	18	6	18	27	103	4994	4813	181	5097	0	5097
17	15.41.43	34	0	0	18	1	15	26	94	5452	5409	43	5546	0	5546
18	10.46.38	35	0	0	18	5	18	27	103	5142	5130	12	5245	0	5245
19	18.46.26	34	0	0	19	5	6	26	90	4963	4967	-4	5053	0	5053
20	15.53.22	60	0	31	19	5	17	26	158	5266	5123	143	5424	0	5424
21	22.44.51	27	0	302	19	5	19	27	400	5034	4923	111	5434	0	5434
22	22.59.47	38	0	297	19	9	17	26	406	5339	5255	84	5745	0	5745
23	15.16.27	27	143	281	19	5	17	25	517	5939	5868	71	6456	0	6456
24	15.22.48	35	142	469	17	7	18	25	714	6066	5890	176	6780	5	6785
25	15.06.54	35	142	553	18	9	15	25	797	5957	5944	13	6754	0	6754
26	15.33.20	35	142	553	18	9	15	25	797	5800	5755	45	6597	0	6597
27	15.40.29	38	146	270	19	10	14	19	516	5535	5366	169	6051	0	6051
28	15.06.43	38	147	268	19	8	17	22	519	4863	4837	26	5382	0	5382
29	22.57.52	39	150	268	19	9	16	24	525	4967	4953	14	5492	0	5492
30	12.33.08	37	146	267	19	8	17	14	508	5483	5164	319	5991	0	5991

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

(ALL FIGURES IN MUS)

GENERATION WITHIN DELHI	AVAILABILITY	SCHEDULE
Rajghat Power House	--	--
Gas Turbine	55.870	24.015
Pragati-I	234.478	54.955
Pragati-III (Bawana)	534.816	168.594
Renewable (include WTE)	46.402	46.402
TOTAL DELHI GEN.	**871.570**	**293.965**

NAME OF STATION	AVAILABILITY	SCHEDULE
ISGS Stattions		
Gas Based Station		
ANTA GPP-GF	27.105	0.742
ANTA GPP-LF		
ANTA GPP-RF		
ANTA CRF		
AURAIYA GPP-GF	48.968	1.028
AURAIYA GPP-LF		
AURAIYA GPP-RF		
AURIYA CRF		
DADRI GPP-GF	61.372	0.736
DADRI GPP-LF		
DADRI GPP-RF		
DADRI CRF		
Coal Based Station		
SINGRAULI STPS	85.652	84.836
RIHAND STPS	28.520	27.988
RIHAND-II STPS	80.621	80.383
RIHAND-III STPS	88.472	88.678
DADRI II	461.796	352.984
UNCHAHAR-I TPS	14.560	11.960
UNCHAHAR-II TPS	27.213	21.615
UNCHAHAR-III TPS	6.807	5.019
UNCHAHAR - IV TPS	1.179	0.485
JHAJJAR	306.400	306.400
Meja TPS	3.041	3.041
Tanda-II TPS	0.840	0.840
FARAKA	13.923	12.106
KAHALGAON1	29.665	27.259
KAHALGAON2	68.666	63.035
SASAN	251.377	250.386
Nabinagar STPS(BRBCL)	12.016	12.016

NAME OF STATION	AVAILABILITY	SCHEDULE
Hydro Station		
BAIRASIUL HEP	5.883	5.883
SALAL HEP	48.064	48.064
TANAKPUR HEP	7.530	7.530
CHAMERA HEP	14.592	14.592
CHAMERA HEP-II	20.596	20.596
CHAMERA III	15.567	15.567
URI HEP	24.969	24.969
URI 2 HEP	17.861	17.861
SEWA-II	3.841	3.841
DHAULIGANGA HEP	26.833	26.833
DULHASTI HEP	39.005	39.005
Parvati3	11.749	11.749
NATHPA JHAKRI HEP	105.562	105.562
TEHRI HEP	41.079	41.079
KOTESWAR	19.498	19.498
SINGRAULI SHEP	0.000	0.000
TALA	6.779	6.779
Kishan Ganag	1.435	1.435
Koldam	2.813	2.813
Rampur	2.256	2.256
Nuclear Station		
NAPP	32.465	32.465
RAPP C	43.159	43.159
RAPPB_4 C	0.000	
ISGS	**2109.728**	**1843.071**
LTA	**815.378**	**815.378**
Total Short Term Purchase	**978.752**	**978.752**
Short term Open Access	**61.316**	**61.316**
Total (A+B+C+D+E) Availablity	**4836.744**	**3992.482**

8. SHEDDING DETAILS DURING THE MONTH OF SEPTEMBER 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
01.09.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
02.09.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
03.09.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
04.09.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
05.09.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
06.09.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
07.09.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
08.09.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
09.09.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10.09.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11.09.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12.09.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
13.09.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14.09.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15.09.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
16.09.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17.09.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
18.09.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
19.09.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20.09.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
21.09.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22.09.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
23.09.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
24.09.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25.09.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
26.09.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27.09.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
28.09.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
29.09.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30.09.24	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
01.09.24	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
02.09.24	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
03.09.24	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
04.09.24	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
05.09.24	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
06.09.24	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
07.09.24	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
08.09.24	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
09.09.24	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
10.09.24	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
11.09.24	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
12.09.24	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
13.09.24	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
14.09.24	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
15.09.24	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
16.09.24	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
17.09.24	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
18.09.24	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
19.09.24	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
20.09.24	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
21.09.24	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
22.09.24	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
23.09.24	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
24.09.24	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
25.09.24	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
26.09.24	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
27.09.24	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
28.09.24	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
29.09.24	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
30.09.24	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
01.09.24	0.000	0.000	0.000	0.000	0.000	0.000	0.008	0.000	0.000
02.09.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
03.09.24	0.000	0.000	0.000	0.000	0.000	0.000	0.046	0.002	0.000
04.09.24	0.000	0.011	0.000	0.000	0.000	0.000	0.000	0.000	0.000
05.09.24	0.000	0.000	0.000	0.000	0.000	0.000	0.006	0.003	0.000
06.09.24	0.000	0.000	0.000	0.000	0.000	0.000	0.017	0.001	0.000
07.09.24	0.000	0.002	0.002	0.000	0.000	0.008	0.036	0.000	0.000
08.09.24	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.001	0.000
09.09.24	0.000	0.000	0.000	0.000	0.000	0.000	0.008	0.000	0.000
10.09.24	0.009	0.001	0.003	0.000	0.000	0.000	0.000	0.000	0.000
11.09.24	0.000	0.002	0.000	0.000	0.000	0.000	0.021	0.002	0.000
12.09.24	0.000	0.000	0.000	0.000	0.000	0.013	0.026	0.006	0.000
13.09.24	0.000	0.000	0.001	0.000	0.000	0.001	0.007	0.000	0.000
14.09.24	0.000	0.005	0.000	0.000	0.000	0.000	0.004	0.000	0.000
15.09.24	0.000	0.000	0.001	0.000	0.000	0.010	0.000	0.005	0.000
16.09.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17.09.24	0.000	0.002	0.001	0.000	0.000	0.025	0.000	0.000	0.000
18.09.24	0.000	0.009	0.000	0.000	0.000	0.000	0.000	0.000	0.000
19.09.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20.09.24	0.000	0.000	0.000	0.000	0.000	0.000	0.026	0.000	0.000
21.09.24	0.002	0.000	0.000	0.000	0.000	0.000	0.004	0.000	0.000
22.09.24	0.000	0.000	0.008	0.000	0.000	0.003	0.000	0.000	0.000
23.09.24	0.000	0.009	0.000	0.000	0.000	0.009	0.018	0.000	0.000
24.09.24	0.000	0.086	0.066	0.000	0.000	0.006	0.019	0.000	0.000
25.09.24	0.000	0.001	0.000	0.000	0.000	0.000	0.003	0.000	0.000
26.09.24	0.000	0.000	0.000	0.000	0.000	0.000	0.026	0.000	0.000
27.09.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
28.09.24	0.000	0.020	0.005	0.000	0.000	0.000	0.054	0.000	0.000
29.09.24	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	0.000
30.09.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TOTAL	0.011	0.148	0.087	0.000	0.000	0.086	0.332	0.020	0.000

ALL FIGURES IN MUs

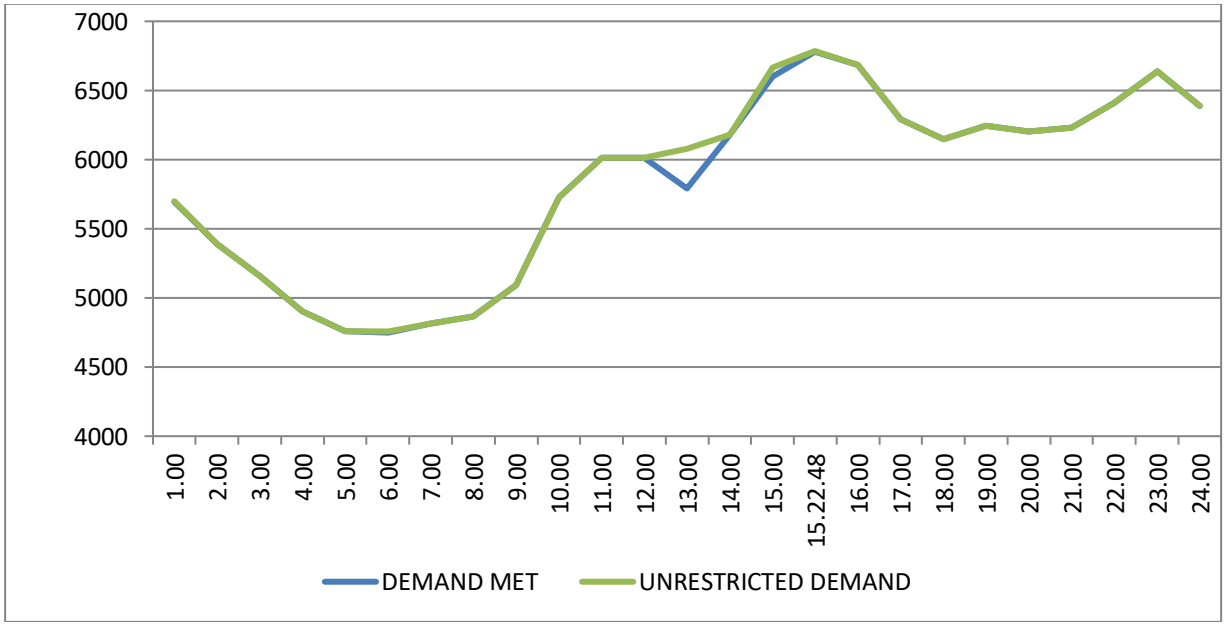
DATE	OTHER AGENCIES LIKE GENCO, BBMB, BTPS ETC.				THEFT PRONE SHEDDING			TOTAL SHEDDING DUE TO T&D CONSTS. & THEFT PRONE	GRAND TOTAL
	BSES		TPDDL	NDMC	BSES		TPDDL		
	BYPL	BRPL			BYPL	BRPL			
1	35	36	37	38	39	40	41	42= 26 to 41	43 = 25 + 42
01.09.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.008	0.008
02.09.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
03.09.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.048	0.048
04.09.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.011	0.011
05.09.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.008	0.008
06.09.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.018	0.018
07.09.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.047	0.047
08.09.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.011	0.011
09.09.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.008	0.008
10.09.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.013	0.013
11.09.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.025	0.025
12.09.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.045	0.045
13.09.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010
14.09.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.009	0.009
15.09.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.016	0.016
16.09.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17.09.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.028	0.028
18.09.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.009	0.009
19.09.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20.09.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.026	0.026
21.09.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.006	0.006
22.09.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.011	0.011
23.09.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.037	0.037
24.09.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.178	0.178
25.09.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.004
26.09.24	0.000	0.000	0.009	0.000	0.000	0.000	0.000	0.034	0.034
27.09.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
28.09.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.079	0.079
29.09.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001
30.09.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TOTAL	0.000	0.000	0.009	0.000	0.000	0.000	0.000	0.692	0.692

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
01.09.24	130.647	6569	22:56:19	0	6569	6569	22:56:19	6569	0
02.09.24	132.972	6325	15:17:05	0	6325	6325	15:17:05	6325	0
03.09.24	137.028	6678	15:05:39	0	6678	6678	15:05:39	6678	0
04.09.24	123.874	5796	0:00:51	0	5796	5796	0:00:51	5796	0
05.09.24	118.551	5731	15:18:34	0	5731	5731	15:18:34	5731	0
06.09.24	123.739	5816	15:11:40	0	5816	5816	15:11:40	5816	0
07.09.24	113.861	5552	15:06:49	0	5552	5552	15:06:49	5552	0
08.09.24	111.454	5167	23:00:12	0	5167	5167	23:00:12	5167	0
09.09.24	120.196	5798	14:54:36	0	5798	5798	14:54:36	5798	0
10.09.24	123.064	6192	14:49:48	0	6192	6192	14:49:48	6192	0
11.09.24	118.674	5742	14:32:04	0	5742	5742	14:32:04	5742	0
12.09.24	112.042	5323	0:00:07	0	5323	5323	0:00:07	5323	0
13.09.24	98.921	4937	12:27:50	0	4937	4937	12:27:50	4937	0
14.09.24	94.85	4701	18:57:51	0	4701	4701	18:57:51	4701	0
15.09.24	96.706	4694	19:26:10	0	4694	4694	19:26:10	4694	0
16.09.24	104.892	5097	19:20:55	0	5097	5097	19:20:55	5097	0
17.09.24	114.385	5546	15:41:43	0	5546	5546	15:41:43	5546	0
18.09.24	106.79	5245	10:46:38	0	5245	5245	10:46:38	5245	0
19.09.24	102.89	5053	18:46:26	0	5053	5053	18:46:26	5053	0
20.09.24	109.139	5424	15:53:22	0	5424	5424	15:53:22	5424	0
21.09.24	114.687	5434	22:44:51	0	5434	5434	22:44:51	5434	0
22.09.24	116.533	5745	22:59:47	0	5745	5745	22:59:47	5745	0
23.09.24	131.85	6456	15:16:27	0	6456	6456	15:16:27	6456	0
24.09.24	138.464	6780	15:22:48	5	6785	6785	15:22:48	6780	5
25.09.24	139.02	6754	15:06:54	0	6754	6754	15:06:54	6754	0
26.09.24	132.32	6310	15:33:20	0	6310	6310	15:33:20	6310	0
27.09.24	128.053	6051	15:40:29	0	6051	6051	15:40:29	6051	0
28.09.24	115.048	5382	15:06:43	0	5382	5382	15:06:43	5382	0
29.09.24	112.77	5492	22:57:52	0	5492	5492	22:57:52	5492	0
30.09.24	122.233	5991	12:33:08	0	5991	5991	12:33:08	5991	0
TOTAL	3545.653	6780							

9. LOAD PATTERN OF DELHI ON THE DAY OF PEAK DEMAND MET DURING SEPTEMBER 2024 ON 24.09.2024 - 6780MW AT 15.22.48HRS.

All figures in MW

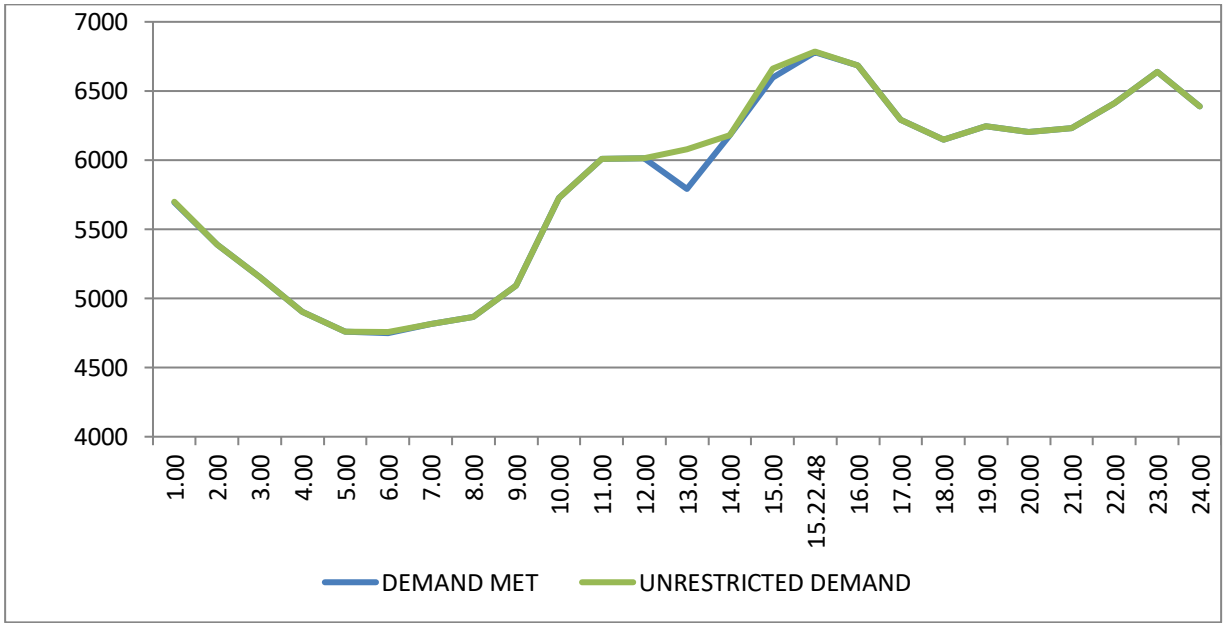
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	5694	3	5697
2.00	5389	0	5389
3.00	5155	0	5155
4.00	4903	0	4903
5.00	4760	0	4760
6.00	4749	8	4757
7.00	4813	0	4813
8.00	4867	0	4867
9.00	5092	0	5092
10.00	5726	0	5726
11.00	6011	0	6011
12.00	6013	0	6013
13.00	5792	287	6079
14.00	6182	0	6182
15.00	6599	65	6664
15.22.48	6780	5	6785
16.00	6686	0	6686
17.00	6293	0	6293
18.00	6146	0	6146
19.00	6246	0	6246
20.00	6204	0	6204
21.00	6230	0	6230
22.00	6411	0	6411
23.00	6640	0	6640
24.00	6390	0	6390
Total (IN MUS)	138.464	0.178	138.642



10 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UN-RESTRICTED DEMAND DURING SEPTEMBER 2024 ON 24.09.2024 - 6785MW AT 15.22.48HRS.

All figures in MW

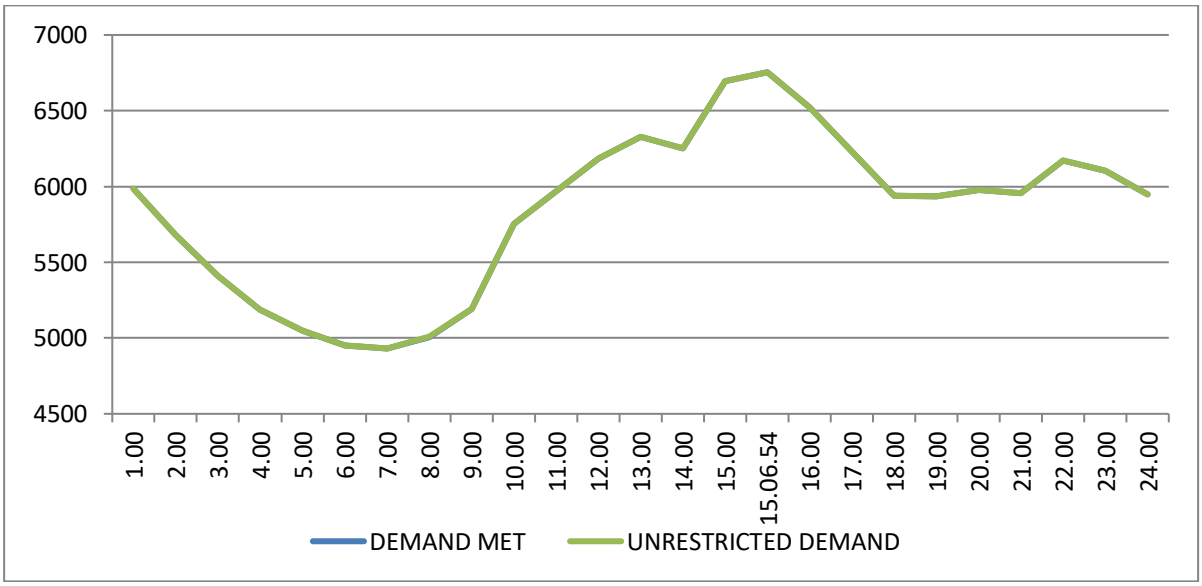
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	5694	3	5697
2.00	5389	0	5389
3.00	5155	0	5155
4.00	4903	0	4903
5.00	4760	0	4760
6.00	4749	8	4757
7.00	4813	0	4813
8.00	4867	0	4867
9.00	5092	0	5092
10.00	5726	0	5726
11.00	6011	0	6011
12.00	6013	0	6013
13.00	5792	287	6079
14.00	6182	0	6182
15.00	6599	65	6664
15.22.48	6780	5	6785
16.00	6686	0	6686
17.00	6293	0	6293
18.00	6146	0	6146
19.00	6246	0	6246
20.00	6204	0	6204
21.00	6230	0	6230
22.00	6411	0	6411
23.00	6640	0	6640
24.00	6390	0	6390
Total (IN MUS)	138.464	0.178	138.642



11 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM ENERGY CONSUMED DURING SEPTEMBER 2024 – 25.09.2024 – 139.020Mus

All figures in MW

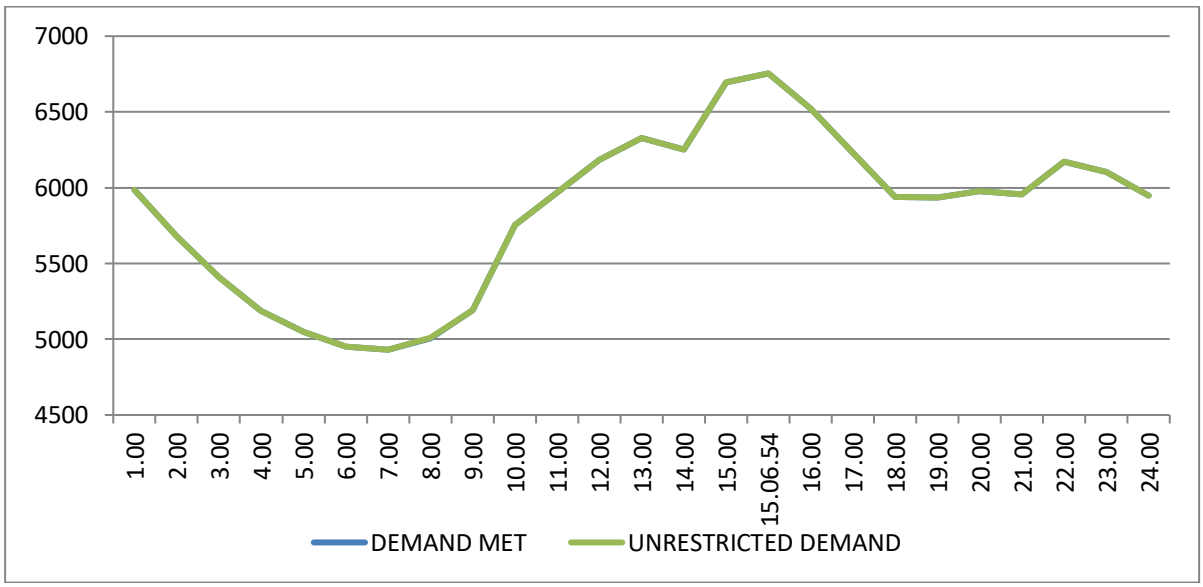
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	5986	0	5986
2.00	5683	0	5683
3.00	5413	0	5413
4.00	5189	0	5189
5.00	5047	0	5047
6.00	4950	0	4950
7.00	4931	0	4931
8.00	5006	3	5009
9.00	5193	0	5193
10.00	5754	0	5754
11.00	5969	0	5969
12.00	6184	0	6184
13.00	6327	0	6327
14.00	6251	0	6251
15.00	6696	0	6696
15.06.54	6754	0	6754
16.00	6523	0	6523
17.00	6230	0	6230
18.00	5940	0	5940
19.00	5934	0	5934
20.00	5976	0	5976
21.00	5957	0	5957
22.00	6173	0	6173
23.00	6106	0	6106
24.00	5946	0	5946
Total (IN MUS)	139.020	0.004	139.024



12 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UNRESTRICTED ENERGY DEMAND DURING SEPTEMBER 2024 ON 25.09.2024- 139.024MUs

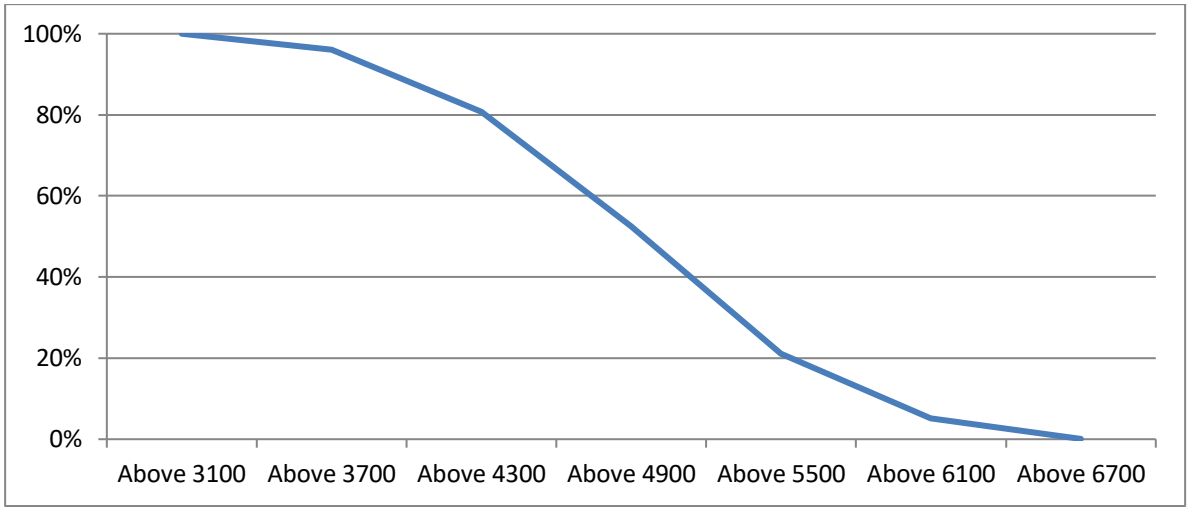
All figures in MW

Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	5986	0	5986
2.00	5683	0	5683
3.00	5413	0	5413
4.00	5189	0	5189
5.00	5047	0	5047
6.00	4950	0	4950
7.00	4931	0	4931
8.00	5006	3	5009
9.00	5193	0	5193
10.00	5754	0	5754
11.00	5969	0	5969
12.00	6184	0	6184
13.00	6327	0	6327
14.00	6251	0	6251
15.00	6696	0	6696
15.06.54	6754	0	6754
16.00	6523	0	6523
17.00	6230	0	6230
18.00	5940	0	5940
19.00	5934	0	5934
20.00	5976	0	5976
21.00	5957	0	5957
22.00	6173	0	6173
23.00	6106	0	6106
24.00	5946	0	5946
Total (IN MUS)	139.020	0.004	139.024



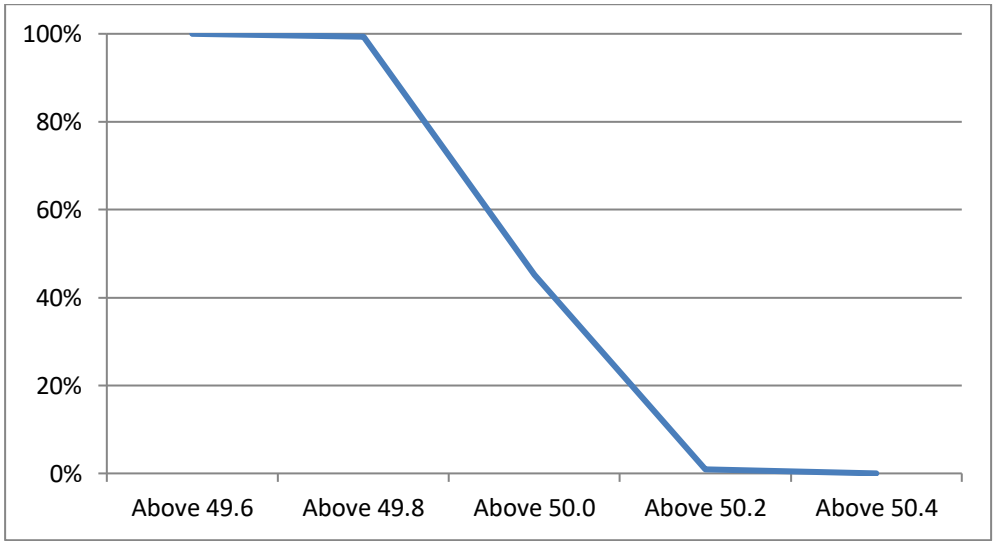
13 LOAD DURATION CURVE FOR SEPTEMBER 2024

LOAD REMAINED ABOVE IN MW	(%) OF TIME
Above 3100	100%
Above 3700	96.01%
Above 4300	80.76%
Above 4900	52.47%
Above 5500	21.10%
Above 6100	5.14%
Above 6700	0.07%



14 FREQUENCY ANALYSIS FOR THE MONTH OF SEPTEMBER 2024

FREQUENCY REMAINED ABOVE IN HZ	(%) OF TIME
Above 49.6	100%
Above 49.8	99.27%
Above 50.0	45.17%
Above 50.2	0.97%
Above 50.4	0.00%



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

All figures in kV

Date	NARELA		GAZIPUR	
	Max	Min	Max	Min
01.09.24	225.00	214.33	232.69	213.33
02.09.24	224.62	213.65	228.21	157.14
03.09.24	224.11	213.01	226.69	213.24
04.09.24	226.22	216.48	232.08	219.64
05.09.24	227.73	213.96	235.74	216.77
06.09.24	226.58	215.77	233.29	217.37
07.09.24	227.91	217.09	231.78	215.48
08.09.24	227.22	216.89	231.85	216.12
09.09.24	226.71	214.67	231.19	211.99
10.09.24	227.23	214.92	228.20	212.61
11.09.24	228.72	216.18	228.96	212.78
12.09.24	229.14	218.66	228.38	212.46
13.09.24	231.86	217.78	230.87	211.75
14.09.24	231.52	218.59	232.38	209.32
15.09.24	229.51	220.23	224.92	211.92
16.09.24	228.90	216.39	222.84	207.40
17.09.24	228.23	0.00	222.49	208.89
18.09.24	229.40	216.39	228.38	211.15
19.09.24	230.84	218.43	231.83	212.23
20.09.24	229.87	217.75	227.12	210.58
21.09.24	227.38	214.13	221.13	205.53
22.09.24	227.42	216.46	220.81	207.61
23.09.24	226.30	211.69	222.75	205.41
24.09.24	225.70	212.66	224.18	207.97
25.09.24	225.07	213.89	221.00	207.19
26.09.24	227.80	217.90	222.44	208.98
27.09.24	228.89	216.45	226.43	210.86
28.09.24	228.09	220.07	227.72	216.67
29.09.24	229.11	219.49	230.94	218.40
30.09.24	228.27	215.55	228.46	214.38

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

All figures in kV

Date	400kV Bamnauli Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01.09.24	416.03	7:38:05	396.51	22:05:46	406.24
02.09.24	413.98	5:00:43	393.75	14:19:39	404.14
03.09.24	414.28	5:01:54	394.66	10:50:40	406.3
04.09.24	420.24	2:58:47	400.12	10:58:20	411.18
05.09.24	420.86	3:57:19	396.08	10:38:49	407.4
06.09.24	418.27	5:01:45	396.2	10:18:56	410.01
07.09.24	420.13	5:02:51	398.95	10:53:49	409.48
08.09.24	420.92	4:00:11	400.73	12:39:37	411.39
09.09.24	420.05	3:57:27	393.23	10:56:58	408.03
10.09.24	417.34	4:00:06	393.47	11:38:09	407.95
11.09.24	420.71	3:59:51	395.57	11:26:01	408.47
12.09.24	417.66	23:57:05	397.69	11:39:41	409.87
13.09.24	422.06	3:56:06	395.54	11:15:29	412.96
14.09.24	423.7	2:54:56	395.63	12:39:45	410.6
15.09.24	418.69	5:01:13	403.05	19:46:15	411
16.09.24	417.86	4:01:20	394.51	11:15:01	406.92
17.09.24	417.79	4:00:20	395.71	10:50:36	408.34
18.09.24	420.97	21:58:30	394.6	10:55:28	411.95
19.09.24	422.69	1:42:16	401.35	10:49:12	411.4
20.09.24	419.46	4:00:39	398.22	11:43:42	409.22
21.09.24	415.8	4:00:18	391.51	10:21:17	407.5
22.09.24	414.47	17:02:47	398.07	12:17:13	407.31
23.09.24	416.25	2:49:47	388.14	11:41:57	405.22
24.09.24	413.43	2:59:41	391.77	12:04:59	405.05
25.09.24	413.44	3:00:20	390.46	11:44:35	405.41
26.09.24	416.38	2:43:06	396.72	12:27:24	407.06
27.09.24	417.46	2:57:17	397.18	11:42:04	408.55
28.09.24	416.99	2:55:40	399.54	6:19:19	410.59
29.09.24	421.13	8:00:16	402.08	12:14:18	412.83
30.09.24	418.28	4:00:24	395.05	11:41:26	408.5

All figures in kV

Date	400kV Bawana Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01.09.24	410.21	7:27:28	393.12	0:02:15	402.88
02.09.24	411.01	6:00:42	387.8	22:36:22	402.15
03.09.24	408.88	5:01:50	395.64	10:46:47	403.62
04.09.24	414.59	17:06:03	398.97	11:36:54	409.63
05.09.24	418.73	2:59:54	402.49	19:25:15	411.19
06.09.24	417.6	5:01:45	405.13	10:18:50	412
07.09.24	417.45	5:02:49	404.52	10:54:27	411.3
08.09.24	418.82	5:02:07	405.45	19:09:00	412.57
09.09.24	418.01	3:56:58	401.26	10:30:18	410.35
10.09.24	415.46	4:00:01	394.67	11:43:27	407.33
11.09.24	417.06	5:03:05	397.25	11:25:52	407.65
12.09.24	414.97	4:06:32	398.79	11:39:05	408.64
13.09.24	418.81	3:57:21	397.45	11:15:44	410.07
14.09.24	417.15	5:01:24	399.61	11:43:22	406.58
15.09.24	412.86	17:01:57	401.44	0:05:58	404.88
16.09.24	415.74	16:02:08	399.35	11:50:09	407.85
17.09.24	415.91	16:03:02	404.59	19:16:46	410.72
18.09.24	419.94	3:57:33	399.14	11:06:23	411.58
19.09.24	417.89	1:40:22	398.5	18:40:44	408.74
20.09.24	415.78	4:00:46	399.09	12:46:23	407.78
21.09.24	414.38	16:33:29	395.26	10:21:41	407.99
22.09.24	415.39	4:00:49	399.42	12:17:41	408.02
23.09.24	413.04	2:52:54	392.93	11:38:03	404.84
24.09.24	409.7	2:59:29	391.1	12:05:07	403.01
25.09.24	410.39	16:02:29	393.85	11:17:33	404.68
26.09.24	414.16	7:56:30	400.23	19:12:19	406.2
27.09.24	415.29	7:59:56	402.93	11:42:00	408.72
28.09.24	414.87	2:54:45	404.2	18:50:03	409.96
29.09.24	417.98	7:59:58	404.46	18:52:38	411.45
30.09.24	416.05	4:00:08	396.99	11:49:11	407.65

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

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
1	02.09.24	4:39	LODHI RD 220/33kV 100MVA Tx-I	02.09.24	12:58	RYB PHASE, 86A&B
2	02.09.24	14:23	PAPPANKALAN-II 220/66kV 160MVA Tx-IV	02.09.24	20:46	86, DIFFERENTIAL.
3	03.09.24	18:36	OKHLA 220/66 160MVA Trx	03.09.24	21:26	SPR, 86
4	04.09.24	3:00	220 KV PATPARGANJ - I.P. CKT-I	04.09.24	12:55	AT I.P. : 86, MASTER RELAY.
5	05.09.24	23:50	ROHINI 220/66kV 100MVA Tx-IV	06.09.24	2:10	86A&B.
6	07.09.24	10:52	SARITA VIHAR 220/66kV 160MVA TR. -I	07.09.24	12:35	86
7	07.09.24	13:37	220kV Maharani Bagh- Electric Lane Ckt-II	07.09.24	18:00	AT MAHARANI BAGH : 86A&B, DIFFERENTIAL, B PHASE. ZONE-I.
8	07.09.24	15:37	220KV GAZIPUR - MAHARANIBAGH CKT. -I	07.09.24	16:24	AT MAHARANI BAGH : 86ABC
9	08.09.24	6:06	220kV BAMNAULI-PAPPANKALAN-II CKT-II	08.09.24	14:15	AT BAMNAULI : 186A&B, 86A, R PHASE, DIFFERENTIAL, DIST 19.48KM.
10	08.09.24	18:06	220kV MAHARANI BAGH - SARITA VIHAR CKT			AT SARITA VIHAR : RYBPHASE, ZONE-I, DIST 3.87KM. DIST PROT.
11	10.09.24	11:40	220kV MAHARANI BAGH - PRAGATI CKT	10.09.24	12:16	AT PRAGATI : R PHASE, ZONE-I, DSIT 5.096KM.
12	10.09.24	11:53	220kV PRAGATI - PARK STREET CKT-II	10.09.24	11:55	AT PRAGATI : CKT. TRIPPED WITHOUT INDICATION.
13	10.09.24	11:53	220kV PRAGATI - PARK STREET CKT-I	10.09.24	11:58	AT PRAGATI : O/C, Y&B PHASE.
14	10.09.24	12:40	220kV KANJHAWALA-NAJAFGARH CKT	10.09.24	14:38	AT NAJAFGARH : DIFFERENTIAL, RYB PHASE, ZONE-I, DIST 2.28KM.
15	10.09.24	15:47	SHALIMAR BAGH 220/33kV 100MVA Tx-III	11.09.24	11:41	DIFFERENTIAL, RYB PHASE, 86.
16	11.09.24	1:42	OKHLA 220/66kV 100MVA Tx-II	11.09.24	1:49	TRIPPED WITHOUT INDICATION.
17	11.09.24	1:52	OKHLA 220/66kV 100MVA Tx-II	11.09.24	16:39	80
18	12.09.24	4:36	ROHINI 220/66kV 100MVA Tx-IV	12.09.24	5:45	86AB
19	13.09.24	12:15	BAWANA 220/66kV 100MVA Tx	13.09.24	13:43	86B
20	14.09.24	2:45	PARKSTREET 66/33kV, 30MVA Tx-I	14.09.24	10:50	86
21	14.09.24	2:55	220kV GAZIPUR- PATPARGANJ CKT	14.09.24	6:38	AT GAZIPUR : RYB PHASE, ZONE-I.
22	14.09.24	3:20	MASJID MOTH 220/33kV 100MVA Tr-III	14.09.24	6:20	TRIPPED WITHOUT INDICATION.
23	14.09.24	17:43	220kV PRAGATI - SARITA VIHAR CKT - I	15.09.24	7:45	AT SARITA VIHAR : ONE-I, DIFFERENTIAL, DIST 4.57KM.
24	15.09.24	15:49	220KV WAZIRABAD - MANDOLA CKT-II	15.09.24	19:09	AT WAZIRABAD : RY PHASE, ZONE-I, II, III.
25	15.09.24	15:50	GOPALPUR 220/66kV 100MVA Tx-II	15.09.24	16:51	80C
26	16.09.24	11:24	220kV SARITA VIHAR - BTPS CKT.-I	16.09.24	14:12	AT SARITA VIHAR : RYB PHASE, DIST PROT, ZONE-II, DIST 19.68KM.
27	17.09.24	12:44	220kV BAMNAULI - DIAL CKT-I	17.09.24	18:30	AT DIAL : R PHASE, DIST PROT, DIST 13.5KM.
28	17.09.24	12:50	220kV GAZIPUR- PATPARGANJ CKT	17.09.24	13:34	AT GAZIPUR : RYB PHASE, ZONE-I, DIST 5.06KM. 86.
29	17.09.24	14:42	ROHINI 220/66kV 100MVA Tx-IV	17.09.24	13:55	86B.
30	17.09.24	15:05	220kV PRAGATI - PARK STREET CKT-II	17.09.24	15:21	AT PRAGATI : 86R&Y PHASE, O/C.
31	17.09.24	15:10	220kV PRAGATI - PARK STREET CKT-I	17.09.24	15:18	AT PARK STREET : 86A&B, O/C, R PAHSE.
32	17.09.24	18:30	220kV PRAGATI - I.P.CKT - I	17.09.24	19:07	AT I.P. : R PHASE, ZONE-I, 86
33	17.09.24	18:30	220kV GAZIPUR- PATPARGANJ CKT	18.09.24	12:09	AT GAZIPUR : RYB PHASE, ZONE-I, 86.
34	18.09.24	11:59	220kV DIAL- MEHRAULI CKT-II	18.09.24	15:20	AT MEHRAULI : ONE-I, DIST 793MTS.

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
35	21.09.24	10:58	220kV BAMNAULI-NAJAFGARH CKT-II	21.09.24	12:58	AT NAJAFGARH :ZONE-I, B PHASE, DIST 4.37KM.
36	21.09.24	12:32	PARKSTREET 220/33kV 100MVA Tx-II	21.09.24	12:59	O/C, R PHASE, 86
37	22.09.24	10:59	220KVBAWANA- ROHINI CKT-II	22.09.24	12:28	AT BAWANA : R & Y PHASE, ZONE-I, DIST 9.173KM.
38	22.09.24	12:41	BAWANA 220/66kV 100MVA Tx	22.09.24	15:05	86A&B.
39	22.09.24	23:31	PARKSTREET 220/33kV 100MVA Tx-I	23.09.24	0:03	ANY TRIP, O/C, Y PHASE, E/F.
40	23.09.24	6:09	OKHLA 220/33kV 100MVA Tx-III	23.09.24	6:35	ANY TRIP, O/C, Y PHASE, 86.
41	23.09.24	6:09	OKHLA 220/33kV 100MVA Tx-IV	23.09.24	6:35	ANY TRIP, O/C, Y PHASE, 86.
42	23.09.24	6:09	OKHLA 220/33kV 100MVA Tx-V	23.09.24	6:28	O/C, ANY TRIP, B PHASE, 86.
43	24.09.24	12:55	220KV NARELA - MANDOLA CKT-II	24.09.24	13:36	AT NARELA : 86AB, B PHSAE, ZONE-I, DIST 8.474KM.
44	24.09.24	12:57	220KV NARELA - MANDOLA CKT-I	25.09.24	20:01	AT NARELA : 86ABC, YB PHASE, DIST PROT, DIST 154.1MTS.
45	24.09.24	13:58	220kV BAMNAULI-NAJAFGARH CKT-II	24.09.24	19:12	AT NAJAFGARH : TRIPPED WITHOUT INDICATION.
46	24.09.24	13:58	NAJAFGARH 220/66kV 100MVA Tx-I	24.09.24	15:10	86
47	24.09.24	13:58	NAJAFGARH 220/66kV 100MVA Tx-IV	24.09.24	15:08	86
48	24.09.24	13:58	NAJAFGARH 220/66kV 160MVA Tx-III	24.09.24	15:06	86
49	25.09.24	12:44	220kV SARITA VIHAR - BTPS CKT.-I	25.09.24	14:22	AT SARITA VIHAR : RYB PHASE, ZONE-II, DIST 8.388KM.
50	26.09.24	7:54	PARKSTREET 220/33kV 100MVA Tx-II	26.09.24	8:21	E/F, 86, ANY TRIP.
51	26.09.24	8:44	PARKSTREET 220/33kV 100MVA Tx-II	26.09.24	9:02	O/C, R PHASE, E/F
52	28.09.24	6:20	OKHLA 220/33kV 100MVA Tx-V	28.09.24	6:42	O/C, Y PHSAE, 86.
53	28.09.24	6:20	OKHLA 220/33kV 100MVA Tx-III	28.09.24	6:42	O/C, Y PHASE, 86
54	28.09.24	13:52	RIDGE VALLEY 220/66kV 160MVA Tx-I	28.09.24	14:10	220KV BUS BAR OPERATED.
55	28.09.24	13:52	220kV NARAINA-RIDGE VALLEY CKT-I	28.09.24	14:10	AT RIDGE VALLEY : 220KV BUS BAR OPERATED.
56	29.09.24	12:15	MEHRAULI 66/11kV, 20MVA Tx-II	29.09.24	16:35	TRIPPED WITHOUT INDICATION.

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

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