DELHI TRANSCO LTD.

STATE LOAD DISPATCH CENTER

PROGRESS REPORT

****

OCTOBER 2024

1 SALIENT FEATURES OF DELHI POWER SYSTEM

Sr. No.	Features	OCT. 2023	OCT. . 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)**	**5583**	**6161**
	Date	09.10.23	03.10.24
	Time	15.26.00	15.30.10
3	**Peak Demand met (MW)**	**5583**	**6161**
	Date	09.10.23	03.10.24
	Time	15.26.00	15.30.10
4	Peak Availability (MW)	5488	5990
5	Shortage (-) / Surplus (+) in MW	(-) 95	(-)171
6	Percentage Shortage (-) / Surplus (+)	(-) 1.70	(-) 0.03
7	Maximum Energy Consume in a day (Mus)	116.495	129.095
8	Energy Consumed during the month	**2858.848**	**3242.539**
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	0.093	0.099
	TPDDL	0.116	0.013
	BRPL	0.054	0.281
	BYPL	0.004	0.011
	NDMC	0.000	0.000
	MES	0.000	0.000
	Other Agencies	0.000	0.000
	Total	**0.267**	**0.403**
10	**Grand Total in Mus**	**0.267**	**0.403**

0.011 0.281 0.013

2. PERFORMANCE OF GENERATING STATIONS WITHIN DELHI DURING OCTOBER 2024

A) For the month of October 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	27.594	2.094	25.500	91.18	33.285
3.	PPCL	39.318	1.779	37.539	102.35	206.979
4.	Bawana	239.498	8.647	230.851	81.17	410.731
	TOTAL	**306.41**	**12.644**	**293.766**	--	**650.995**

WASTE TO ENERGY GENERATING PLANTS WITHIN DELHI

S. No	Stations	Gross Generation	Aux. Consumption	Net Generation
5.	Towmcl	14.872	1.985	12.887
6.	EDWPCL	6.147	0.936	5.211
7.	DMSWL	13.778	2.307	11.471
8.	TWEPL	18.106	1.883	16.223
	TOTAL	**52.903**	**7.111**	**45.792**

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

Power Station	Effective Capacity (MW)	Net Generation in MUs for Oct. 2024	Availability (%) for Oct. 2024	Cumulative Generation in MUs upto Oct. 2024 for the year 2024-25	Cumulative Availability in % upto Oct. 2024 for the year 2024-25
RPH	135	-0.124	--	-0.856	--
GT	90	25.500	91.18	157.71	89.91
PPCL	330	37.539	102.35	697.633	93.56
Bawana	1372	230.851	81.17	2242.744	84.98
TOTAL	1927	**293.766**	--	**3097.231**	--

WASTE TO ENERGY GENERATING PLANTS WITHIN DELHI

Power Station	Effective Capacity (MW)	Net Generation in MUs for Oct. 2024	Cumulative Generation in MUs upto Oct. 2024 for the year 2024-25
Towmcl	16	12.887	85.151
EDWPCL	10	5.211	29.066
DMSWL	24	11.471	81.352
TWEPL	25	16.223	119.063
TOTAL	**75**	**45.792**	**314.632**

3 DETAILS OF CUMULATIVE OUTAGES OF GENERATING STNS. WITHIN DELHI FOR FY 2024-25 UTPO OCTOBER 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
		02.10.24	11.02	02.10.24	12.04	GT#1 came on FSNL, tripping of STG#1 due to suddenly heavy jerk alongwith abnormal sound was observed in the control room due to grid distubance.
		03.10.24	12.57	31.10.24	23.59	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

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
6	**30**	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.
Contd.		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	02.10.24	15.35	GT#6 is standby as there is no demand from SLDC
		02.10.24	15.55	03.10.24	08.24	GT#6 is standby as there is no demand from SLDC
		15.10.24	01.55	15.10.24	05.59	GT#6 Tripped suddenly due to malfunctioning of controller card.

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).
		02.10.24	11.02	02.10.24	13.45	STG#1 tripped due to suddenly heavy jerk alongwith abnormal sound was observed in the control room due to grid distubance.
		03.10.24	12.57	31.10.24	23.59	Blr #1 is standby as there is no demand from SLDC
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

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG-3	**30**	08.07.24	14:30	11.07.24	18:30	STG#3 is standby as there is no demand from SLDC
Contd.		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	03.10.24	12.34	GT # 6/ BLR #6 is standby as there is no demand from SLDC
		15.10.24	01.55	15.10.24	08.42	STG#3 tripped due to tripping of GT#6 which was Tripped suddenly due to malfunctioning of controller card.
		23.10.24	10.43	23.10.24	12.25	STG#3 tripped due to fault attending on CEP-3A by Mech.maintenace Deptt..

(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
		11.10.24	17.59	31.10.24	23.59	Unit stopped due to less demand

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
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	31.10.24	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
		11.10.24	18.01	31.10.24	23.59	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.
		06.10.24	15.35	10.10.24	11.30	Oil leakage.
		12.10.24	14.40	12.10.24	16.30	Due to performance heater card failure.

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
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.
		06.10.24	11.45	06.10.24	23.59	Issue in air filter house.
		07.10.24	00.00	11.10.24	12.00	Testing of Generator transformer of GT-2
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	12.10.24	07.30	Forced Outage: Due to inspection of Gas Turbine Generator of GT#4. Due to some abnormality in Gas Turbine Generator of GT#4 (Overhang differential protection trip. During Synchronization of GT#4 some malfunctioning in gas valve was also observed along with high fluctuations in combustion dynamics. To ensure healthiness of the system all major equipments were tested for IR value and it was found that generator IR value was not satisfactory for synchronization. Various possible reasons were looked into, but no attributable reasons external to the generator could be co related. Before synchronizing the machine again it is decided to get it checked and inspected thoroughly by OEM to eliminate any possible damage to the machine).
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)
		06.10.24	11.45	06.10.24	23.59	Due to outage of GT#2. (1/2 STG)
		06.10.24	15.35	10.10.24	11.30	Due to outage of GT#1. (1/2 STG)
		07.10.24	00.00	11.10.24	12.00	Due to outage of GT#2. (1/2 STG)
		12.10.24	14.40	12.10.24	17.24	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	12.10.24	07.30	Forced Ouatge: Due to outage of GT#4. (1/2 STG)
		09.10.24	12.52	09.10.24	14.44	Issue in Divertor damper of GT-3

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. 01.10.2024

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	10.50	44.00	19.32	11.17	13.50		0		
Auriya GPS	663.36	10.86	72.04	31.64	18.30	22.10		0		
Dadri GPS	829.78	10.96	90.94	39.94	23.09	27.91		0		
Total Gas Based	**3703.14**		**1724**	**648**	**373**	**452**	**204**	**45**	**1.00**	**0.00**
Coal Based Stn										
Singrauli STPS	2000	7.500000	150.00	29.64000	74.34000	46.02000		0		
Rihand Stage-I	1000	10.000000	100.00	69.32000	0.00000	30.68000		0		
Rihand Stage -II	1000	12.600000	126.00	55.34000	32.00000	38.66000		0		
Rihand Stage-III	1000	13.191000	131.91	78.17000	53.74000	0.00000		0		
Dadri (Th) -II	980	74.355000	728.68	543.59453	175.10156	9.98290		0		
Unchahaar-I TPS	420	5.710000	23.98	10.53360	6.09000	7.35840		0		
Unchahaar-II TPS	420	11.190000	47.00	20.64132	11.93766	14.41902		0		
Unchahaar-III TPS	210	13.810000	29.00	12.74000	7.37000	8.89749		0		
Unchahaar-IV TPS	500	0.000000	0.00	0.00000	0.00000	0.00000				
Jhajjar	1500	46.200000	693.00	10.00000	69.20990	613.79010		0		
Meja TPS	1320	0.000000	0.00	0.00000	0.00000	0.00000				
Tanda-II TPS	1320	0.000000	0.00	0.00000	0.00000	0.00000				
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**		**3641.81**	**1173.004**	**1020.2356**	**1428.5697**	**0**	**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	13.33	39.99	17.562000	10.158000	12.270000		0		
Chamera-III HEP	231	12.734	29.416	12.919830	7.470540	9.025170		0		
URI-I HEP	480	11.04	52.992	23.3	13.5	16.3		0		
URI -II HEP	240	13.45	32.285	14.179	8.201	9.905		0		
Sewa HEP	120	13.33	15.996	7.02	4.06	4.91		0		
Dhauli Ganga HEP	280	13.21	36.988	16.25	9.39	11.35		0		
Dulhasti HEP	390	12.83	50.037	21.98	12.71	15.35		0		
Parbati-III HEP	520	12.73	66.196	29.07	16.81	20.31		0		
Nathpa Jhakri HEP	1500	9.47	142.050	62.39	36.08	43.58		0		
Tehri Hydro	1000	6.30	63.000	43.67	0.00	19.33		0		
Koteshwar HEP	400	9.86	39.440	27.34	0.00	12.10		0		
Singrauli Hyd	8	19.13	1.530	0	0	1.53				
Tala HEP	1020	2.94	29.99	13	8	9	0	0		
Kishan Ganag	330	0.0000	0.00							
Koldem	800	0.0000	0.00							
Rampur	412.02	0.0000	0.00							
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**		**825.72**	**414.4**	**165.3**	**246.1**	**0.0**	**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	10.68	46.99	32.57	0.00	14.42		0		
RAPP (C)	440	12.69	55.84	24.53	14.18	17.13		0		
Total Nuclear	**880**		**102.828**	**57.100454**	**14.1812**	**31.546346**	**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**		**8121**	**3276**	**2016**	**2554**	**207**	**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. 01.10.2024

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	10.500000	44.00	43.92	25.40	30.68	0.00000	0.00		
Auriya GPS	663.36	10.860000	72.04	43.92	25.40	30.68	0.00000	0.00		
Dadri GPS	829.78	10.960000	90.94	43.92	25.39	30.69	0.00000	0.00		
Total Gas Based	**3703.14**		**1724**							
Coal Based Stn										
Singrauli STPS	2000	7.500000	150.00	19.76000	49.56000	30.68000	0.00000	0.00		
Rihand Stage-I	1000	10.000000	100.00	69.32000	0.00000	30.68000	0.00000	0.00		
Rihand Stage -II	1000	12.600000	126.00	43.92063	25.39683	30.68254	0.00000	0.00		
Rihand Stage-III	1000	13.191000	131.91	59.26010	40.73990	0.00000	0.00000	0.000		
Dadri (Th) -II	980	74.355000	728.68	74.60000	24.03000	1.37000	0.00000	**0.000**		
Unchahaar-I TPS	420	5.710000	23.98	43.92	25.39	30.68	0.00000	0.00		
Unchahaar-II TPS	420	11.190000	47.00	43.92	25.40	30.68	0.00000	0.00		
Unchahaar-III TPS	210	13.810000	29.00	43.93	25.41	30.68	0.00000	0.00		
Unchahaar-IV TPS	500	0.000000	0.00							
Jhajjar	1500	46.200000	693.00	1.44300	9.98700	88.57000	0.00000	**0.00**		
Meja TPS	1320	0.000000	0.00							
Tanda-II TPS	1320	0.000000	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**		**3641.808**							
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	13.33	39.99	43.92	25.40	30.68	**0.00000**	0.00		
Chamera-III HEP	231	12.73	29.416	43.92	25.40	30.68	**0.00000**	0.00		
URI-I HEP	480	11.04	52.992	43.92	25.40	30.68	0.000	0.00		
URI -II HEP	240	13.45	**32.285**	43.92	25.40	30.68	**0.00000**	0.00		
Sewa HEP	120	13.33	**15.996**	43.92	25.40	30.68	**0.00000**	0.00		
Dhauli Ganga HEP	280	13.21	**36.988**	43.92	25.40	30.68	**0.00000**	0.00		
Dulhasti HEP	390	12.83	**50.037**	43.92	25.40	30.68	**0.00000**	0.00		
Parbati-III HEP	520	12.73	**66.196**	43.92	25.40	30.68	**0.00000**	0.00		
Nathpa Jhakri HEP	1500	9.47	**142.050**	43.92	25.40	30.68	**0.00000**	0.00		
Tehri Hydro	1000	6.30	**63.000**	**69.31746**	**0.00000**	**30.68254**	**0.00000**	0.00		
Koteshwar HEP	400	9.86	**39.440**	**69.32049**	**0.00000**	**30.67951**	**0.00000**	0.00		
Singrauli Hyd	8	19.13	**1.530**	**0.00000**	**0.00000**	**99.97386**	**0.00000**	0.00		
Tala HEP	1020	2.94	29.99	43.92	25.40	30.68	0.00	0.00		
Kishan Ganag	330	0.00	**0.00**					#DIV/0!		
Koldem	800	0.00	**0.00**					#DIV/0!		
Rampur	412.02	0.00	**0.00**					#DIV/0!		
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**		**825.72**							

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	10.68	46.99	69.3200	0.0000	30.6800	0.0000	0.00		
RAPP (C)	440	12.69	55.84	43.92	25.40	30.68	0.000	0.00		
Total Nuclear	**880**		**102.828**							
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	.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**		**8121**	**40.33**	**24.82**	**31.45**	**2.55**	**0.55**	**0.01**	**0.25**

5 POWER AVAILABILITY-DEMAND POSITION AT THE TIME OF PEAK DEMAND MET DURING OCTOBER 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	15.23.07	36	144	468	19	9	18	0	694	5390	5250	140	6084	0	6084
2	00.00.02	38	148	631	19	10	17	0	863	4964	4924	40	5827	0	5827
3	15.30.11	33	143	497	19	9	12	12	724	5437	5266	171	6161	0	6161
4	14.49.18	33	144	467	17	9	12	12	693	5468	5383	85	6161	0	6161
5	15.16.04	33	144	497	17	10	18	12	731	5186	5119	67	5917	11	5928
6	00.00.04	36	150	288	17	11	17	10	529	5214	5160	54	5743	0	5743
7	15.40.53	34	146	267	17	9	13	14	500	5211	5127	84	5711	0	5711
8	15.16.47	34	146	267	1	9	11	26	494	5150	5113	37	5644	0	5644
9	15.22.51	33	146	265	1	10	17	26	499	4965	4971	-6	5464	6	5470
10	15.43.23	34	146	299	1	0	18	27	525	4822	4633	189	5347	0	5347
11	15.36.00	34	147	268	1	9	18	26	502	4589	4564	25	5091	0	5091
12	00.00.05	38	0	270	1	11	16	26	362	3931	3847	84	4293	0	4293
13	18.18.15	36	0	267	1	10	17	27	359	4046	3794	252	4405	8	4413
14	18.24.41	36	0	590	1	7	13	19	665	4093	4041	52	4758	0	4758
15	18.18.02	35	0	268	1	10	15	23	352	4394	4288	106	4746	0	4746
16	18.52.56	37	0	267	19	9	15	27	374	4511	4255	256	4885	0	4885
17	18.27.31	36	0	306	19	8	15	27	411	4485	4303	182	4896	0	4896
18	17.59.47	35	0	272	18	9	8	27	369	4672	4395	277	5041	0	5041
19	18.30.49	35	0	313	13	9	9	24	403	4349	4307	42	4752	0	4752
20	18.29.26	36	0	267	18	9	17	23	371	4304	4172	132	4675	0	4675
21	18.13.24	35	0	313	19	8	17	25	417	4680	4556	124	5097	0	5097
22	15.37.46	35	0	267	18	6	17	26	368	4606	4518	88	4974	0	4974
23	18.13.27	36	0	279	19	7	17	26	383	4561	4494	67	4944	0	4944
24	17.58.54	35	0	265	18	6	17	24	366	4541	4412	129	4907	0	4907
25	18.08.34	36	0	267	19	9	15	27	373	4429	4399	30	4802	0	4802
26	18.15.30	36	0	266	19	9	7	27	364	4120	4038	82	4484	0	4484
27	18.18.12	36	0	267	19	7	9	25	363	3896	3997	-101	4259	0	4259
28	18.14.46	36	0	310	19	10	17	27	420	4439	4323	116	4859	0	4859
29	18.26.06	36	0	312	17	8	17	27	418	4500	4273	227	4918	0	4918
30	11.50.39	34	0	267	19	10	17	27	374	4422	4329	93	4796	0	4796
31	18.07.04	36	0	267	19	10	16	26	374	3525	3578	-53	3899	0	3899

6 POWER AVAILABILITY- DEMAND POSITION AT THE TIME OF MAXIMUM UNRESTRICTED DEMAND DURING OCTOBER 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	15.23.07	36	144	468	19	9	18	0	694	5390	5250	140	6084	0	6084
2	00.00.02	38	148	631	19	10	17	0	863	4964	4924	40	5827	0	5827
3	15.30.11	33	143	497	19	9	12	12	724	5437	5266	171	6161	0	6161
4	14.49.18	33	144	467	17	9	12	12	693	5468	5383	85	6161	0	6161
5	15.16.04	33	144	497	17	10	18	12	731	5186	5119	67	5917	11	5928
6	00.00.04	36	150	288	17	11	17	10	529	5214	5160	54	5743	0	5743
7	15.40.53	34	146	267	17	9	13	14	500	5211	5127	84	5711	0	5711
8	15.16.47	34	146	267	1	9	11	26	494	5150	5113	37	5644	0	5644
9	15.22.51	33	146	265	1	10	17	26	499	4965	4971	-6	5464	6	5470
10	15.43.23	34	146	299	1	0	18	27	525	4822	4633	189	5347	0	5347
11	15.36.00	34	147	268	1	9	18	26	502	4589	4564	25	5091	0	5091
12	00.00.05	38	0	270	1	11	16	26	362	3931	3847	84	4293	0	4293
13	18.18.15	36	0	267	1	10	17	27	359	4046	3794	252	4405	8	4413
14	18.24.41	36	0	590	1	7	13	19	665	4093	4041	52	4758	0	4758
15	18.18.02	35	0	268	1	10	15	23	352	4394	4288	106	4746	0	4746
16	18.52.56	37	0	267	19	9	15	27	374	4511	4255	256	4885	0	4885
17	18.27.31	36	0	306	19	8	15	27	411	4485	4303	182	4896	0	4896
18	17.59.47	35	0	272	18	9	8	27	369	4672	4395	277	5041	0	5041
19	18.30.49	35	0	313	13	9	9	24	403	4349	4307	42	4752	0	4752
20	18.29.26	36	0	267	18	9	17	23	371	4304	4172	132	4675	0	4675
21	18.13.24	35	0	313	19	8	17	25	417	4680	4556	124	5097	0	5097
22	15.37.46	35	0	267	18	6	17	26	368	4606	4518	88	4974	0	4974
23	18.13.27	36	0	279	19	7	17	26	383	4561	4494	67	4944	0	4944
24	17.58.54	35	0	265	18	6	17	24	366	4541	4412	129	4907	0	4907
25	18.08.34	36	0	267	19	9	15	27	373	4429	4399	30	4802	0	4802
26	18.15.30	36	0	266	19	9	7	27	364	4120	4038	82	4484	0	4484
27	18.18.12	36	0	267	19	7	9	25	363	3896	3997	-101	4259	0	4259
28	18.14.46	36	0	310	19	10	17	27	420	4439	4323	116	4859	0	4859
29	18.26.06	36	0	312	17	8	17	27	418	4500	4273	227	4918	0	4918
30	11.50.39	34	0	267	19	10	17	27	374	4422	4329	93	4796	0	4796
31	18.07.04	36	0	267	19	10	16	26	374	3525	3578	-53	3899	0	3899

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

(ALL FIGURES IN MUS)

GENERATION WITHIN DELHI	AVAILABILITY	SCHEDULE
Rajghat Power House	--	--
Gas Turbine	59.380	26.095
Pragati-I	245.520	38.541
Pragati-III (Bawana)	644.275	233.544
Renewable (include WTE)	46.857	46.857
TOTAL DELHI GEN.	**996.032**	**345.036**

NAME OF STATION	AVAILABILITY	SCHEDULE
ISGS Stattions		
Gas Based Station		
ANTA GPP-GF	27.460	0.155
ANTA GPP-LF		
ANTA GPP-RF		
ANTA CRF		
AURAIYA GPP-GF	50.444	0.348
AURAIYA GPP-LF		
AURAIYA GPP-RF		
AURIYA CRF		
DADRI GPP-GF	65.147	0.292
DADRI GPP-LF		
DADRI GPP-RF		
DADRI CRF		
Coal Based Station		
SINGRAULI STPS	99.465	98.338
RIHAND STPS	54.929	54.494
RIHAND-II STPS	85.486	85.588
RIHAND-III STPS	82.573	82.726
DADRI II	255.487	213.223
UNCHAHAR-I TPS	15.206	13.490
UNCHAHAR-II TPS	31.789	28.221
UNCHAHAR-III TPS	5.838	5.032
UNCHAHAR - IV TPS	0.000	0.000
JHAJJAR	332.357	332.357
Meja TPS	0.000	0.000
Tanda-II TPS	0.000	0.000
FARAKA	14.845	14.830
KAHALGAON1	33.109	32.586
KAHALGAON2	102.151	101.893
SASAN	284.386	284.273
Nabinagar STPS(BRBCL)	11.276	11.276

NAME OF STATION	AVAILABILITY	SCHEDULE
Hydro Station		
BAIRASIUL HEP	2.989	2.989
SALAL HEP	21.737	21.737
TANAKPUR HEP	7.593	7.593
CHAMERA HEP	5.598	5.598
CHAMERA HEP-II	8.856	8.856
CHAMERA III	6.825	6.825
URI HEP	7.629	7.629
URI 2 HEP	6.321	6.321
SEWA-II	1.518	1.518
DHAULIGANGA HEP	11.716	11.716
DULHASTI HEP	29.700	29.700
Parvati3	4.302	4.302
NATHPA JHAKRI HEP	46.810	46.810
TEHRI HEP	15.805	15.805
KOTESWAR	7.998	7.998
SINGRAULI SHEP	0.000	0.000
TALA	2.887	2.887
Kishan Ganag	0.000	0.000
Koldam	0.000	0.000
Rampur	0.000	0.000
Nuclear Station		
NAPP	30.807	30.807
RAPP C	38.538	38.538
RAPPB_4 C	0.000	0.000
ISGS	**1809.580**	**1616.751**
LTA	**793.521**	**793.521**
Total Short Term Purchase	**724.901**	**724.901**
Short term Open Access	**57.843**	**57.843**
Total (A+B+C+D+E) Availablity	**4381.876**	**3538.053**

8. SHEDDING DETAILS DURING THE MONTH OF OCTOBER 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
01.10.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
02.10.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
03.10.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
04.10.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
05.10.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
06.10.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
07.10.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
08.10.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
09.10.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10.10.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11.10.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12.10.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
13.10.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14.10.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15.10.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
16.10.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17.10.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
18.10.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
19.10.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20.10.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
21.10.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22.10.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
23.10.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
24.10.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25.10.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
26.10.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27.10.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
28.10.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
29.10.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30.10.24	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
31.10.24	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
01.10.24	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
02.10.24	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
03.10.24	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
04.10.24	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
05.10.24	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
06.10.24	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
07.10.24	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
08.10.24	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
09.10.24	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
10.10.24	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
11.10.24	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
12.10.24	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
13.10.24	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
14.10.24	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
15.10.24	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
16.10.24	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
17.10.24	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
18.10.24	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
19.10.24	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
20.10.24	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
21.10.24	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
22.10.24	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
23.10.24	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
24.10.24	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
25.10.24	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
26.10.24	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
27.10.24	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
28.10.24	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
29.10.24	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
30.10.24	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
31.10.24	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
01.10.24	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.000	0.000
02.10.24	0.000	0.000	0.000	0.000	0.000	0.000	0.018	0.000	0.000
03.10.24	0.000	0.000	0.000	0.000	0.000	0.000	0.017	0.000	0.000
04.10.24	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.000	0.000
05.10.24	0.000	0.000	0.000	0.000	0.000	0.000	0.081	0.000	0.000
06.10.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
07.10.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.000
08.10.24	0.000	0.016	0.000	0.000	0.000	0.000	0.008	0.004	0.000
09.10.24	0.000	0.000	0.001	0.000	0.000	0.007	0.002	0.000	0.000
10.10.24	0.000	0.003	0.000	0.000	0.000	0.004	0.000	0.000	0.000
11.10.24	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.000	0.000
12.10.24	0.000	0.000	0.006	0.000	0.000	0.000	0.000	0.000	0.000
13.10.24	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14.10.24	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.000	0.000
15.10.24	0.001	0.000	0.000	0.000	0.000	0.000	0.004	0.000	0.000
16.10.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17.10.24	0.000	0.004	0.000	0.000	0.000	0.000	0.004	0.000	0.000
18.10.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
19.10.24	0.000	0.027	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20.10.24	0.003	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
21.10.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22.10.24	0.000	0.003	0.000	0.000	0.000	0.000	0.077	0.000	0.000
23.10.24	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.000	0.000
24.10.24	0.003	0.000	0.000	0.000	0.000	0.000	0.001	0.000	0.000
25.10.24	0.000	0.000	0.000	0.000	0.000	0.000	0.012	0.001	0.000
26.10.24	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	0.000
27.10.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
28.10.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
29.10.24	0.000	0.006	0.004	0.000	0.000	0.000	0.017	0.000	0.000
30.10.24	0.000	0.013	0.000	0.000	0.000	0.000	0.000	0.004	0.000
31.10.24	0.000	0.000	0.000	0.000	0.000	0.000	0.006	0.000	0.000
TOTAL	**0.016**	**0.071**	**0.011**	**0.000**	**0.000**	**0.011**	**0.281**	**0.013**	**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
01.10.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.002
02.10.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.018	0.018
03.10.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.017	0.017
04.10.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.020
05.10.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.081	0.081
06.10.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
07.10.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.003
08.10.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.027	0.027
09.10.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010
10.10.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.007	0.007
11.10.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.003
12.10.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.007	0.007
13.10.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010
14.10.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.002
15.10.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.005	0.005
16.10.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17.10.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.008	0.008
18.10.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
19.10.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.027	0.027
20.10.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.003
21.10.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22.10.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.080	0.080
23.10.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.004
24.10.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.004
25.10.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.013	0.013
26.10.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001
27.10.24	0.000	0.000	0.00005	0.000	0.000	0.000	0.000	0.000	0.000
28.10.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
29.10.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.028	0.028
30.10.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.017	0.017
31.10.24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.006	0.006
TOTAL	**0.000**	**0.000**	**0.00005**	**0.000**	**0.000**	**0.000**	**0.000**	**0.403**	**0.403**

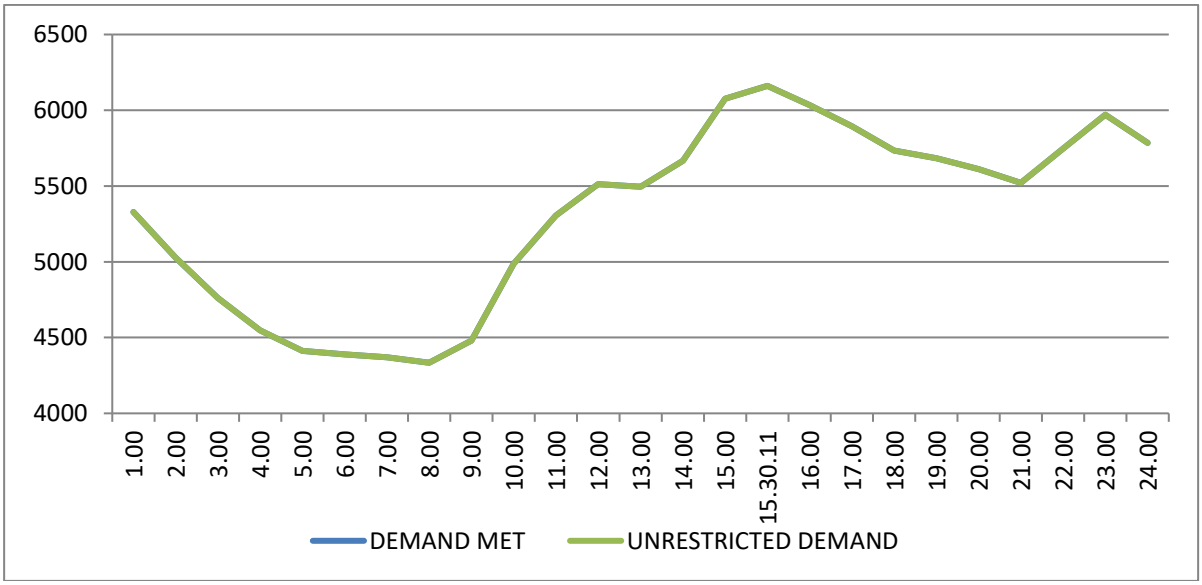
0.

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
01.10.24	126.044	6084	15:23:07	0	6084	6084	15:23:07	6084	0
02.10.24	115.323	5827	0:00:02	0	5827	5827	0:00:02	5827	0
03.10.24	127.164	6161	15:30:11	0	6161	6161	15:30:11	6161	0
04.10.24	129.075	6161	14:49:18	0	6161	6161	14:49:18	6161	0
05.10.24	125.295	5917	15:16:04	11	5928	5928	15:16:04	5917	11
06.10.24	115.146	5744	0:00:04	0	5744	5744	0:00:04	5744	0
07.10.24	121.464	5711	15:40:53	0	5711	5711	15:40:53	5711	0
08.10.24	117.442	5644	15:16:47	0	5644	5644	15:16:47	5644	0
09.10.24	116.272	5463	15:22:51	6	5469	5469	15:22:51	5463	6
10.10.24	110.784	5347	15:43:23	0	5347	5347	15:43:23	5347	0
11.10.24	104.051	5091	15:36:00	0	5091	5091	15:36:00	5091	0
12.10.24	91.84	4293	0:00:05	0	4293	4293	0:00:05	4293	0
13.10.24	91.214	4405	18:18:15	8	4413	4413	18:18:15	4405	8
14.10.24	97.591	4758	18:24:41	0	4758	4758	18:24:41	4758	0
15.10.24	97.728	4746	18:18:02	0	4746	4746	18:18:02	4746	0
16.10.24	98.588	4885	18:52:56	0	4885	4885	18:52:56	4885	0
17.10.24	98.041	4896	18:27:31	0	4896	4896	18:27:31	4896	0
18.10.24	100.893	5041	17:59:47	0	5041	5041	17:59:47	5041	0
19.10.24	98.729	4752	18:30:49	0	4752	4752	18:30:49	4752	0
20.10.24	96.115	4675	18:29:26	0	4675	4675	18:29:26	4675	0
21.10.24	103.578	5097	18:13:24	0	5097	5097	18:13:24	5097	0
22.10.24	101.893	4974	15:37:46	0	4974	4974	15:37:46	4974	0
23.10.24	101.065	4944	18:13:27	0	4944	4944	18:13:27	4944	0
24.10.24	99.564	4907	17:58:54	0	4907	4907	17:58:54	4907	0
25.10.24	96.746	4802	18:08:34	0	4802	4802	18:08:34	4802	0
26.10.24	91.584	4484	18:15:30	0	4484	4484	18:15:30	4484	0
27.10.24	89.801	4259	18:18:12	0	4259	4259	18:18:12	4259	0
28.10.24	97.419	4859	18:14:46	0	4859	4859	18:14:46	4859	0
29.10.24	98.76	4916	18:26:06	0	4916	4916	18:26:06	4916	0
30.10.24	98.101	4796	11:50:39	0	4796	4796	11:50:39	4796	0
31.10.24	85.229	3899	18:07:04	0	3899	3899	18:07:04	3899	0
TOTAL	3242.539	6161				**6161**			

9. LOAD PATTERN OF DELHI ON THE DAY OF PEAK DEMAND MET DURING OCTOBER 2024 ON 03.10.2024 - 6161MW AT 15.30.11HRS.

All figures in MW

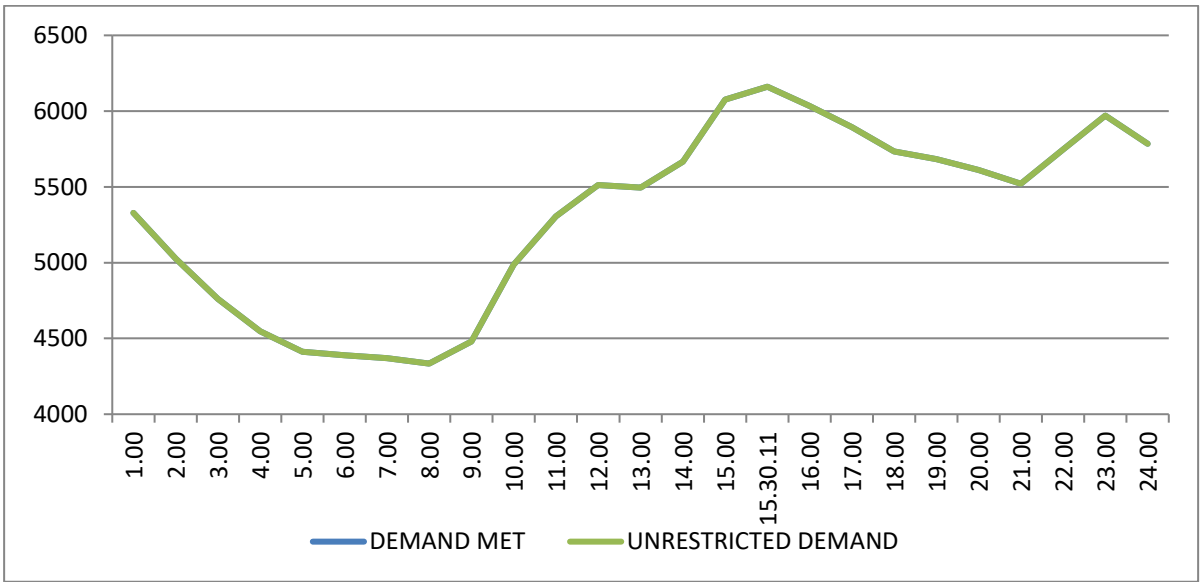
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	5329	0	5329
2.00	5027	0	5027
3.00	4760	0	4760
4.00	4547	0	4547
5.00	4412	0	4412
6.00	4388	0	4388
7.00	4369	0	4369
8.00	4334	0	4334
9.00	4479	0	4479
10.00	4987	0	4987
11.00	5305	0	5305
12.00	5513	0	5513
13.00	5496	0	5496
14.00	5667	0	5667
15.00	6076	0	6076
15.30.11	6161	0	6161
16.00	6034	0	6034
17.00	5895	0	5895
18.00	5734	0	5734
19.00	5684	0	5684
20.00	5612	0	5612
21.00	5520	0	5520
22.00	5746	0	5746
23.00	5970	0	5970
24.00	5784	0	5784
Total (IN MUS)	**127.164**	**0.017**	**127.181**



10 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UN-RESTRICTED DEMAND DURING OCTOBER 2024 ON 03.10.2024 - 6161MW AT 15.30.11HRS.

All figures in MW

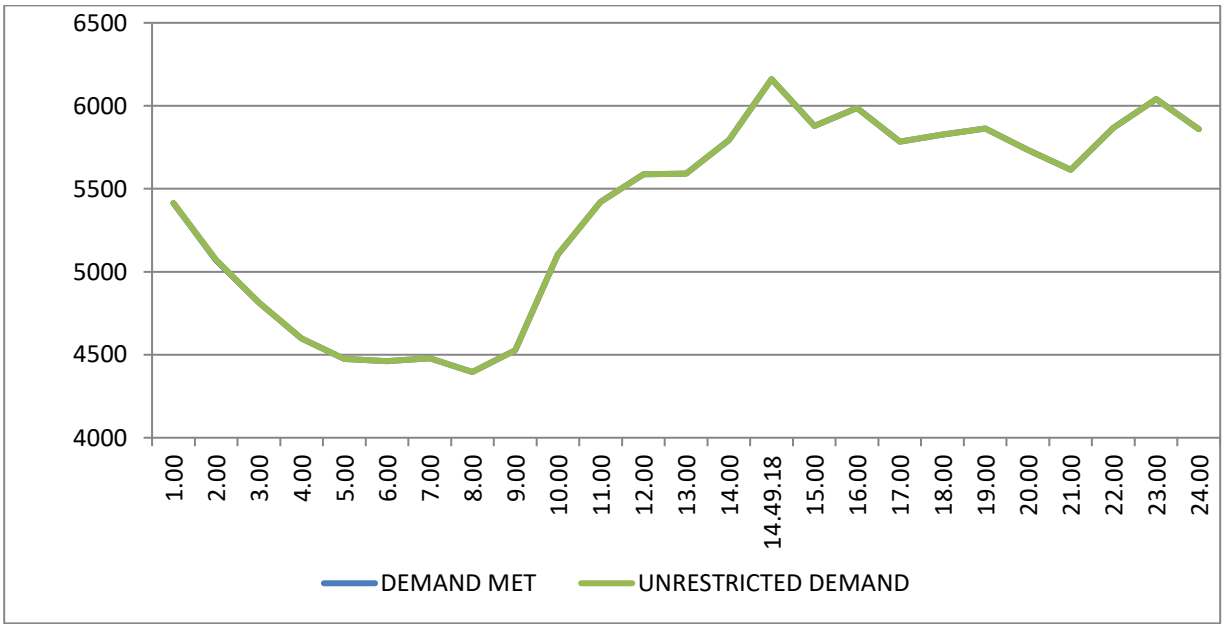
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	5329	0	5329
2.00	5027	0	5027
3.00	4760	0	4760
4.00	4547	0	4547
5.00	4412	0	4412
6.00	4388	0	4388
7.00	4369	0	4369
8.00	4334	0	4334
9.00	4479	0	4479
10.00	4987	0	4987
11.00	5305	0	5305
12.00	5513	0	5513
13.00	5496	0	5496
14.00	5667	0	5667
15.00	6076	0	6076
15.30.11	6161	0	6161
16.00	6034	0	6034
17.00	5895	0	5895
18.00	5734	0	5734
19.00	5684	0	5684
20.00	5612	0	5612
21.00	5520	0	5520
22.00	5746	0	5746
23.00	5970	0	5970
24.00	5784	0	5784
Total (IN MUS)	**127.164**	**0.017**	**127.181**



11 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM ENERGY CONSUMED DURING OCTOBER 2024 – 04.10.2024 – 129.075Mus

All figures in MW

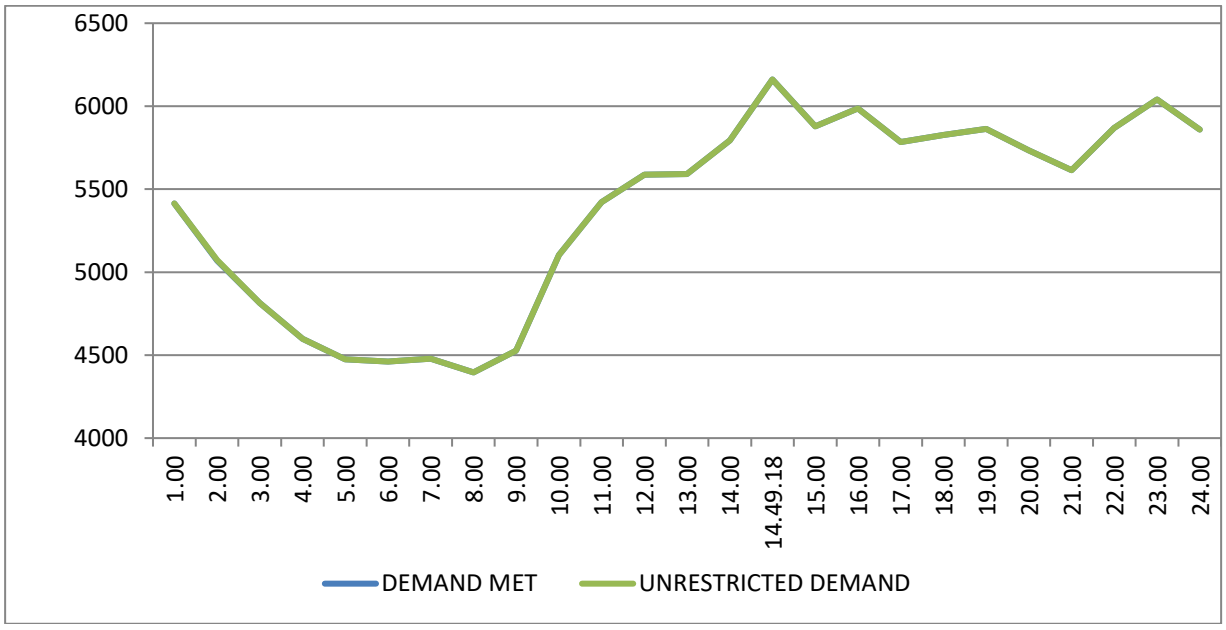
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	5413	0	5413
2.00	5069	4	5073
3.00	4814	0	4814
4.00	4599	0	4599
5.00	4475	0	4475
6.00	4461	0	4461
7.00	4479	0	4479
8.00	4396	0	4396
9.00	4526	0	4526
10.00	5103	0	5103
11.00	5421	0	5421
12.00	5587	0	5587
13.00	5592	0	5592
14.00	5793	0	5793
14.49.18	6161	0	6161
15.00	5878	0	5878
16.00	5986	0	5986
17.00	5784	0	5784
18.00	5826	0	5826
19.00	5863	0	5863
20.00	5734	0	5734
21.00	5615	0	5615
22.00	5868	0	5868
23.00	6040	0	6040
24.00	5860	0	5860
Total (IN MUS)	**129.075**	**0.020**	**129.095**



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

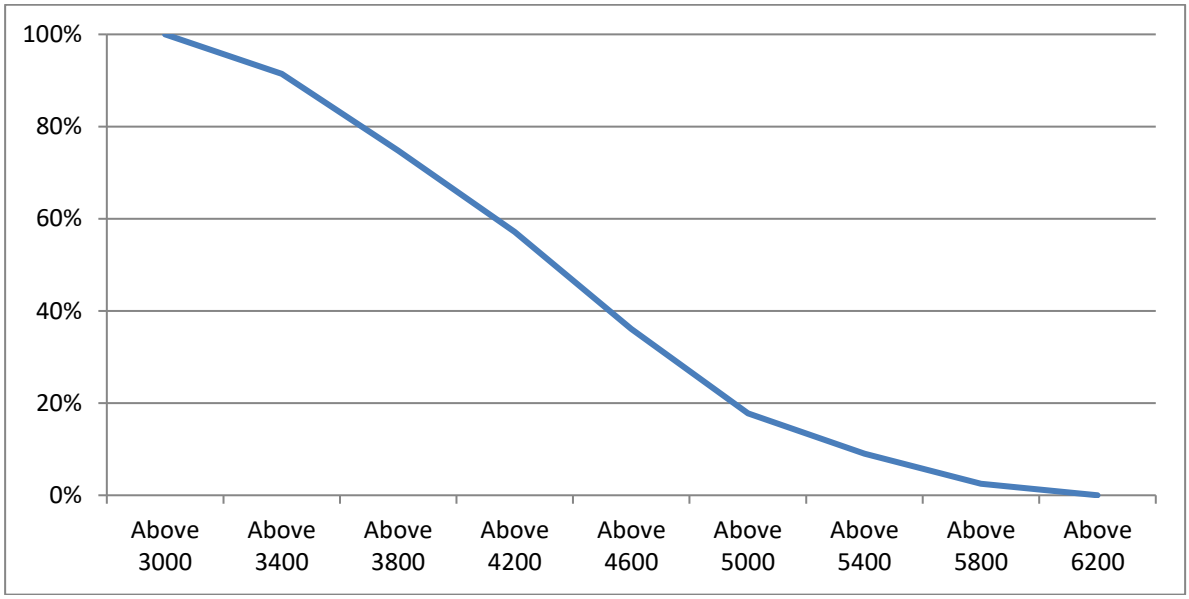
All figures in MW

Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	5413	0	5413
2.00	5069	4	5073
3.00	4814	0	4814
4.00	4599	0	4599
5.00	4475	0	4475
6.00	4461	0	4461
7.00	4479	0	4479
8.00	4396	0	4396
9.00	4526	0	4526
10.00	5103	0	5103
11.00	5421	0	5421
12.00	5587	0	5587
13.00	5592	0	5592
14.00	5793	0	5793
14.49.18	6161	0	6161
15.00	5878	0	5878
16.00	5986	0	5986
17.00	5784	0	5784
18.00	5826	0	5826
19.00	5863	0	5863
20.00	5734	0	5734
21.00	5615	0	5615
22.00	5868	0	5868
23.00	6040	0	6040
24.00	5860	0	5860
Total (IN MUS)	**129.075**	**0.020**	**129.095**



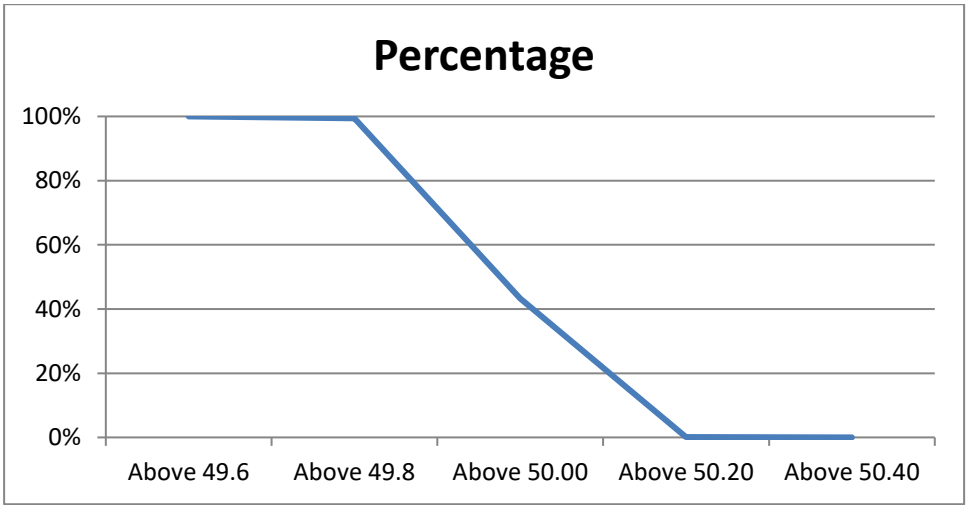
13 LOAD DURATION CURVE FOR OCTOBER 2024

LOAD REMAINED ABOVE IN MW	(%) OF TIME
Above 3000	100%
Above 3400	91.47%
Above 3800	74.76%
Above 4200	57.16%
Above 4600	36.09%
Above 5000	17.74%
Above 5400	9.01%
Above 5800	2.50%
Above 6200	0.00%



14 FREQUENCY ANALYSIS FOR THE MONTH OF OCTOBER 2024

FREQUENCY REMAINED ABOVE IN HZ	(%) OF TIME
Above 49.6	100%
Above 49.8	99.43%
Above 50.00	43.24%
Above 50.20	0.10%
Above 50.40	0.00%



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

All figures in kV

Date	NARELA		GAZIPUR	
	Max	Min	Max	Min
01.10.24	229.58	214.19	228.96	212.41
02.10.24	227.90	219.16	227.69	217.66
03.10.24	228.30	214.05	228.27	212.45
04.10.24	227.83	213.97	227.79	213.72
05.10.24	228.03	215.83	232.80	217.94
06.10.24	227.72	217.62	230.76	220.14
07.10.24	227.04	214.89	230.18	217.33
08.10.24	227.77	214.22	231.07	215.20
09.10.24	228.80	215.97	232.34	219.03
10.10.24	228.06	216.05	226.86	208.53
11.10.24	231.65	216.61	223.34	208.56
12.10.24	230.43	220.49	226.69	213.38
13.10.24	231.07	219.33	230.06	212.72
14.10.24	229.12	216.55	223.86	209.90
15.10.24	228.46	216.26	224.66	207.49
16.10.24	231.69	214.77	226.17	210.18
17.10.24	229.20	214.74	225.43	210.07
18.10.24	229.23	214.42	227.23	206.45
19.10.24	229.85	217.33	223.73	209.31
20.10.24	230.19	219.83	224.08	213.41
21.10.24	230.97	215.18	224.95	207.27
22.10.24	227.91	214.13	224.65	207.08
23.10.24	228.72	214.38	225.37	207.82
24.10.24	228.33	214.31	227.70	212.64
25.10.24	229.39	215.26	226.79	210.28
26.10.24	229.17	217.12	228.01	209.15
27.10.24	231.46	218.28	226.28	210.94
28.10.24	230.90	216.44	225.54	210.35
29.10.24	230.73	216.70	224.38	208.02
30.10.24	229.98	216.37	223.71	207.95
31.10.24	231.81	223.89	224.25	213.00

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

All figures in kV

Date	400kV Bamnauli Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01.10.24	421.19	4:01:11	394.16	11:38:05	408.68
02.10.24	420.93	3:56:22	398.46	12:11:56	410.03
03.10.24	417.92	3:59:52	389.91	11:18:55	406.40
04.10.24	417.35	3:59:34	391.41	11:26:37	406.93
05.10.24	421.59	4:02:38	397.59	12:50:19	410.44
06.10.24	419.44	7:52:26	398.83	12:18:04	409.58
07.10.24	419.06	4:01:40	395.00	10:53:50	408.66
08.10.24	420.55	4:01:53	392.84	10:48:53	409.85
09.10.24	421.30	4:01:10	397.98	10:38:59	411.08
10.10.24	420.23	3:59:36	396.79	11:41:39	410.68
11.10.24	424.13	4:00:16	397.06	11:05:27	412.72
12.10.24	422.57	21:11:51	403.11	11:16:32	415.49
13.10.24	423.59	4:01:41	405.94	9:36:34	415.07
14.10.24	419.01	4:00:39	398.32	10:48:48	411.40
15.10.24	419.15	3:32:27	396.02	11:33:20	410.23
16.10.24	422.95	4:01:50	398.25	11:24:42	412.49
17.10.24	420.54	4:01:20	397.40	12:18:44	410.47
18.10.24	421.39	4:01:21	394.89	10:43:45	410.95
19.10.24	421.33	4:00:57	396.75	10:46:23	410.45
20.10.24	419.02	4:00:14	401.80	10:51:05	412.69
21.10.24	422.84	3:59:25	393.19	11:49:10	410.32
22.10.24	417.29	4:00:53	391.74	10:28:33	408.77
23.10.24	417.85	4:00:50	396.70	9:43:07	409.81
24.10.24	420.71	4:00:41	396.06	10:41:11	410.34
25.10.24	421.83	3:59:51	400.75	12:15:25	411.77
26.10.24	422.33	4:00:01	397.12	11:44:03	411.45
27.10.24	422.91	4:02:29	401.13	10:19:46	413.33
28.10.24	421.81	1:29:06	395.10	11:46:26	410.00
29.10.24	420.94	3:59:54	395.92	9:43:51	410.14
30.10.24	421.23	19:35:04	394.35	9:20:25	411.80
31.10.24	422.20	16:01:16	406.17	7:05:09	415.74

All figures in kV

Date	400kV Bawana Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01.10.24	417.49	4:01:17	396.60	11:49:47	407.52
02.10.24	416.21	3:56:57	402.23	12:14:42	409.40
03.10.24	416.22	4:00:52	395.69	11:18:51	406.94
04.10.24	415.45	4:00:38	395.12	11:15:51	406.77
05.10.24	416.98	4:02:34	401.08	12:50:25	409.41
06.10.24	412.95	7:52:30	399.08	6:11:33	406.73
07.10.24	411.44	4:01:38	398.94	10:53:58	405.73
08.10.24	417.47	4:02:44	396.05	10:49:03	408.21
09.10.24	418.29	3:59:49	400.34	11:33:37	409.14
10.10.24	417.88	3:59:38	399.74	9:51:54	410.28
11.10.24	422.47	4:00:17	400.96	11:05:12	412.03
12.10.24	418.12	21:12:21	404.78	11:19:09	412.60
13.10.24	417.90	4:01:59	405.19	9:36:43	412.20
14.10.24	416.13	4:04:07	400.60	10:46:46	410.02
15.10.24	415.47	3:59:28	397.80	11:47:20	408.22
16.10.24	419.41	4:01:51	400.20	10:03:46	410.29
17.10.24	417.64	1:56:13	398.32	11:03:35	410.74
18.10.24	417.26	4:01:26	394.07	10:41:13	408.77
19.10.24	417.00	4:01:08	400.16	10:15:25	409.17
20.10.24	415.92	23:58:51	400.18	10:57:17	410.04
21.10.24	417.62	3:59:18	392.04	11:50:42	407.52
22.10.24	414.06	20:58:51	391.35	10:26:02	406.49
23.10.24	415.08	23:56:39	395.60	12:20:00	407.26
24.10.24	416.84	0:41:13	393.44	10:45:42	407.20
25.10.24	417.87	3:59:54	398.30	10:16:51	408.49
26.10.24	417.80	4:00:05	396.06	11:41:29	408.76
27.10.24	418.34	1:29:32	399.74	10:16:39	410.45
28.10.24	418.41	1:12:53	393.73	11:46:34	407.58
29.10.24	417.02	3:57:51	395.23	12:31:18	407.59
30.10.24	418.72	19:14:08	395.09	9:22:30	409.96
31.10.24	418.62	21:54:36	405.65	7:04:36	413.12

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

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
1	01.10.24	10:56	220kV WAZIRABAD - KASHMEREGATE CKT-II	01.10.24	12:28	AT KASHMIRI GATE : DIFFERENTIAL, DIST PROT, ZONE-I, DIST 1.618KM.
2	01.10.24	14:49	SARITA VIHAR 220/66kV 100MVA Tx-III	04.10.24	16:16	HV REF.
3	03.10.24	12:30	220kV WAZIRABAD - KASHMEREGATE CKT-II	03.10.24	13:52	AT KASHMIRI GATE : DIFFERENTIAL, 186 RYB, R PAHSE.
4	06.10.24	13:47	220kV DIAL- MEHRAULI CKT-II	06.10.24	14:51	AT MEHRAULI : DIST PROT, ZONE-I, B PHASE, E/F, DIST 0.76KM.
5	08.10.24	14:05	PATPARGANJ 220/66kV 100MVA Tx-II	08.10.24	17:41	86
6	09.10.24	12:48	NARAINA 220/33kV 100MVA Tx-III			REF LV, MASTER TRIP.
7	09.10.24	14:47	GAZIPUR 220/66kV 160MVA Tx-I	09.10.24	20:45	TRIPPED WITHOUT INDICATION.
8	09.10.24	15:55	220 KV GOPALPUR-WAZIRABAD CKT - 1	10.10.24	17:01	AT WAIRBAD : ONE-I, R&Y PHASE, 86ABC, DIST 273MTS.
9	09.10.24	16:09	GOPALPUR 220/33kV 100MVA Tx-I	09.10.24	19:29	186, 86.
10	10.10.24	12:14	BAMNAULI 400/220kV 500MVA ICT-II	10.10.24	14:04	VT FUSE FAIL.
11	10.10.24	14:17	OKHLA 220/33kV 100MVA Tx-III	10.10.24	14:30	O/C, Y PHASE, 86.
12	10.10.24	14:17	OKHLA 220/33kV 100MVA Tx-IV	10.10.24	14:30	O/C, Y PHASE, 86.
13	12.10.24	23:04	220kV GOPALPUR- MANDOLACKT-I	13.10.24	9:12	AT GOPALPUR : R PHASE, DIFFERENTIAL, 86ABC.
14	13.10.24	12:39	220kV GEETA COLONY-PATPARGANJ CKT-I	13.10.24	14:00	AT PATPARGANJ : DIFFERENTIAL, R PHASE, DIST 5.916KM, 186.
15	13.10.24	15:22	220kV PRAGATI - SARITA VIHAR CKT - I	14.10.24	13:35	AT SARITA VIHAR : DIST PROT, ZONE-I, RYB PHASE, DSIT 3.15KM.
16	13.10.24	16:45	PARKSTREET 220/33kV 100MVA Tx-I	13.10.24	18:25	ANY TRIP, 86, O/C, B PHASE.
17	13.10.24	16:45	PARKSTREET 220/33kV 100MVA Tx-II	13.10.24	18:32	ANY TRIP, 86, O/C, B PHASE.
18	13.10.24	17:39	WAZIRABAD 220/66kV 160MVA Tx-I	STILL	OUT	DC FAIL, REF,BUCHOLZ, ALL THREE PHASE LV BUSHING DAMAGED.
19	16.10.24	14:54	ROHINI 220/66kV 100MVA Tx-I	16.10.24	21:35	RYB PHAE, REF, 86A&B
20	19.10.24	12:55	MEHRAULI 220/66kV 100MVA Tx-II	19.10.24	13:20	O/C, R PHASE.
21	19.10.24	12:55	MEHRAULI 220/66kV 160MVA Tx-I	19.10.24	13:20	O/C, R PAHSE
22	20.10.24	11:15	RIDGE VALLEY 220/66kV 160MVA Tx-I	20.10.24	17:00	DIFFERENTIAL, 86, RYB PHASE.
23	20.10.24	23:01	PATPARGANJ 33/11kV, 20MVA Tx	21.10.24	16:20	O/C, Y&B PHASE, 86.
24	22.10.24	4:03	220kV BAMNAULI-PAPPANKALAN-II CKT-I	22.10.24	11:48	AT PAPANKALAN-II : DIFFERENTIAL, 86ABC, B PHASE.
25	22.10.24	16:58	220kV MAHARANI BAGH - LODHI ROAD CKT-II	22.10.24	20:50	AT MAHARANI BAGH : DIST PROT , ZONE-I, 86B.
26	24.10.24	18:07	PARKSTREET 220/33kV 100MVA Tx-II	24.10.24	18:43	I/C TRIPPED ON B PHASE, E/F, 86.
27	24.10.24	18:07	PARKSTREET 220/33kV 100MVA Tx-I	24.10.24	18:38	I/C TRIPPED ON 86, R PHASE, O/C
28	28.10.24	10:46	BAWANA 400/220kV 315MVA ICT-IV	28.10.24	12:00	GROUP A&B, 86.
29	29.10.24	13:22	PAPPANKALAN-II 220/66kV 100MVA Tx-II	29.10.24	18:06	DIST PROT, B PHASE, 86.
30	29.10.24	18:17	220KV BAWANA-SHALIMARBAGH CKT-I	29.10.24	18:23	AT SHALIMARBAGH : DIST PROT, B&Y PHASE, 86

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
31	29.10.24	23:50	400kV Dadri - Harsh Vihar Ckt. -II	30.10.24	0:52	AT HARSH VIHAR, PD OPERATED.
32	30.10.24	12:58	220kV DIAL- MEHRAULI CKT-II	30.10.24	16:25	AT MEHRAULI : DIFFERENTIAL, B PHASE, DIST 763.9MTS. ANY TRIP.
33	30.10.24	13:41	220kV BAMNAULI-NAJAFGARH CKT-I	30.10.24	17:25	AT BAMNAULI : ZONE-I, R PHASE, 86ABC, 186A&B, DIST 2.83KM.
34	30.10.24	13:52	NAJAFGARH 220/66kV 100MVA Tx-I	30.10.24	16:36	Y PHASE DIFFERENTIAL, 86
35	30.10.24	13:52	NAJAFGARH 220/66kV 160MVA Tx-III	30.10.24	16:36	DIFFERENTIAL, 86, Y PHASE.

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

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