

DELHI TRANSCO LTD.

STATE LOAD DISPATCH CENTER

PROGRESS REPORT

JUNE 2022

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SALIENT FEATURES OF DELHI POWER SYSTEM

Sr. No	Features	JUN. 2021	JUN. 2022
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 Energy Plant)	16	16
	EDWPCL (Waste to Energy Plant)	10	10
	DMSWL (Waste to Energy Plant)	24	24
	Total	2156	2156
2	Maximum Unrestricted Demand (MW)	6921	7695
	Date	30.06.2021	29.06.2022
	Time	15.10.25	15.10.41
3	Peak Demand met (MW)	6921	7695
	Date	30.06.21	29.06.2022
	Time	15.10.25	15.10.41
4	Peak Availability (MW)	6747	7695
5	Shortage (-) / Surplus (+) in MW	(-) 174	0
6	Percentage Shortage (-) / Surplus (+)	(-) 2.51	0
7	Maximum Energy Consumed in a day (Mus)	137.195	154.238
8	Energy Consumed during the month	3286.550	3919.769
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	0.436	0.620
	TPDDL	0.076	0.059
	BRPL	0.309	0.067
	BYPL	0.054	0.031
	NDMC	0.000	0.000
	MES	0.000	0.000
	Other Agencies	0.045	0.011
	Total	0.920	0.788
10	Grand Total in Mus	0.920	0.788

2. PERFORMANCE OF GENERATING STATIONS WITHIN DELHI DURING JUNE 2022

A) For the month of Jun 2022

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	26.030	1.752	24.278	12.86	32.61
3.	PPCL	126.031	2.893	123.138	53.99	93.49
4.	Bawana	230.999	9.450	221.549	22.69	682.91
5.	Towmcl	14.347	2.097	12.250	--	--
6.	EDWPCL	0.043	0.182	-0.139	--	--
7.	DMSWL	13.791	2.232	11.559	-	--
	TOTAL	411.240	18.726	392.514	--	809.01

B) For the Year 2022-23 (Upto Jun 2022)

Power Station	Effective Capacity (MW)	Net Generation in MUs for Jun 2022	Availability (%) for Jun 2022	PLF (%) For Jun 2022	Cumulative Generation in MUs upto Jun 2022 for the year 2022-23	Cumulative Availability in % upto Jun 2022 for the year 2022-23
RPH	135	-0.120	--	--	-0.364	--
GT	270	24.278	30.16	12.86	81.484	31.20
PPCL	330	123.138	94.55	53.99	422.926	94.33
Bawana	1372	221.549	93.87	22.69	864.912	92.66
Towmcl	16	12.250	--	--	35.006	--
EDWPCL	10	-0.139	--	--	-0.375	--
DMSWL	24	11.559	--	-	34.775	--
TOTAL	2936	392.514	--	--	1438.363	--

3 DETAILS OF OUTAGES OF GENERATING STNS. WITHIN DELHI FOR JUNE 2022

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	01.06.22	00.00	07.06.22	07.09	Unit under shutdown due to low demand
		15.06.22	08.10	30.06.22	12.50	Unit under shutdown due to low demand
2	30	Nil				
3	30	Nil				
4	30	Nil				
5	30	Nil				
6	30	07.06.22	07.24	15.06.22	07.57	Unit under shutdown due to low demand
STG-1	30	01.06.22	00.00	07.06.22	10.45	Unit under shutdown due to low demand
		08.06.22	23.30	09.06.22	01.33	Unit tripped on electronics card failure
		15.06.22	08.10	30.06.22	12.50	Unit under shutdown due to low demand
STG-2	30	Nil				
STG-3	30	06.06.22	17.05	07.06.22	10.45	Unit tripped due to mal functioning of DDC card
		08.06.22	23.30	09.06.22	01.33	STG#1 Tripped on electronics card failure
		17.06.22	12.40	17.06.22	14.10	Unit tripped due to mal functioning of DDC card
		19.06.22	21.50	19.06.22	22.30	Unit tripped due to lube oil pressure very low during changover of duplex filter
		23.06.22	18.38	23.06.22	19.13	unit tripped due to failure of DDC card.
		30.06.22	11.55	30.06.22	14.10	Unit tripped due to heavy jerk in system.

(C) PRAGATI

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	104	01.06.22	00.00	14.06.22	03.01	Unit stopped due to low demand.
		17.06.22	11.15	27.06.22	22.09	
		30.06.22	11.30	30.06.22	23.59	
2	104	11.06.22	19.06	11.06.22	20.50	Unit tripped due to grid disturbance.
STG	122	11.06.22	19.06	11.06.22	21.57	Unit tripped due to grid disturbance.

(D) BAWANA CCGT POWER STATION

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	216	03.06.22	22.04	04.06.22	07.00	Unit tripped due to gas fuel hydraulic pressure low alarm.
2	216	Nil				
3	216	07.06.22	16.00	07.06.22	18.04	Unit tripped due to grid disturbance
4	216	Nil				
STG -1	254	03.06.22	22.04	04.06.22	07.00	DC of ½ STG taken out due to non availability of respective GT-1
STG -2	254	07.06.22	16.00	07.06.22	18.04	Unit taken out due to grid disturbance

4 ALLOCATION OF POWER TO DISCOMS

A) ALLOCATION OF DELHI AND DISCOMS (IN MW) FROM VARIOUS CENTRAL SECTOR, STATE SECTOR GENERATING STATIONS ALONG WITH LTAs w.e.f. 01.05.2020

Name of the Stn	Installed capacity in MW	Capacity Allocation to Delhi In%	Capacity Allocation to Delhi in MW	DISCOMWISE CAPACITY ALLOCATION IN MW						NR
				BRPL	BYPL	TPDDL	NDM C	ME S	RPH	
GAS TURBINE	270	100	270	164.39	23.13	81.48	0.00	0.00	1.00	
PRAGATI	330	100	330	93	53	64	100	20		
BAWANA CCGT	1371	80	1097	427	247	298	100	25		
EDWPCL(WEP)	12	49	6	0	5.9	0	0	0		
Bawana(WEP)	24	100	24	10	6	7	1	0		
TOWMCL(WEP)Exbus	13	97.15	12.63	6.5	0	6.1	0			
TOTAL	2020		1739.3	701.1	334.6	456.4	201.3	45.0	1.00	0.0
CENTRAL SECTOR GENERATION										
<u>NTPC STATIONS</u>										
Singrauli STPS	2000	7.50	150.00	30	74	46	0	0		
Rihand Stage-I	1000	10.00	100.00	69	0	31	0	0		
Rihand Stage -II	1000	12.60	126.00	55	32	39	0	0		
Rihand Stage-III	1000	13.19	131.91	78	54	0	0	0		
ANTA GPS	419	10.50	44.00	19	11	13	0	0		
Auriya GPS	663.36	10.86	72.04	32	18	22	0	0		
Dadri GPS	829.78	10.96	90.94	40	23	28	0	0		
Dadri (Th)-I	840	90.00	756.00	559	62	10	125	0		
Dadri (Th) -II	980	74.24	727.53	543	175	10	0	0		
Unchahaar-I TPS	420	5.71	23.98	11	6	7	0	0		
Unchahaar-II TPS	420	11.19	47.00	21	12	14	0	0		
Unchahaar-III TPS	210	13.81	29.00	13	7	9	0	0		
Unchahaar-IV TPS	500									
Jhajjar	1500	46.20	693.00	10	69	614	0	0		
Farakka(From ER)	1600	1.39	22.24	10	6	7	0	0		
Kahalgaoon-I(From ER)	840	6.07	50.99	22	13	16	0	0		
Kahalgaoon-II(From ER)	1500	10.49	157.35	69	40	48	0	0		
TOTAL NTPC	15722		3221.98	1581	602	914	125	0	0	0
<u>NHPC (HYDRO)</u>										
Baira Suil HPS	180	11.00	19.80	8.7	5.0	6.1	0	0		
Salal HPS	690	11.62	80.18	59.8	20.4	0	0	0		
Tanakpur HEP	94	12.81	12.07	5.30	3.07	3.70	0	0		
Chamera HEP	540	7.90	42.66	18.7	10.8	13.1	0	0		
Chamera-II HEP	300	13.33	39.99	17.6	10.2	12.3	0	0		
Chamera-III HEP	231	12.73	29.42	12.9	7.5	9.0	0	0		
URI-I HEP	480	11.04	52.99	23.3	13.5	16.3	0	0		
URI -II HEP	240	13.45	32.28	14.2	8.2	9.9	0	0		
Sewa HEP	120	13.33	16.00	7.02	4.06	4.91	0	0		
Dhaulti Ganga HEP	280	13.21	36.99	16.2	9.4	11.3	0	0		
Dulhasti HEP	390	12.83	50.04	22.0	12.7	15.4	0	0		
Parbati-III HEP	520	12.73	66.20	29.1	16.8	20.3	0	0		
Total NHPC	4065		478.61	234.81	121.6	122	0	0	0	0

Name of the Stn	Installed capacity in MW	Capacity Allocation to Delhi In%	Capacity Allocation to Delhi in MW	DISCOMWISE CAPACITY ALLOCATION IN MW						
				BRPL	BYPL	TPDDL	NDM C	ME S	RPH	NR
Nathpa Jhakri HEP	1500	9	142.05	62	36	44	0	0		
Tehri Hydro	1000	6.30	63.00	44	0	19	0	0		
Koteshwar HEP	400	9.86	39.44	27	0	12	0	0		
Total THDC	1400		102.44	71.01	0	31.4	0	0	0	0
Singrauli Hyd	8	19.13	1.53	0	0	1.53				
<u>NPC (NUCLEAR)</u>										
Narora APS	440	10.68	46.99	33	0	14	0	0		
RAPP (C)	440	12.69	55.84	25	14	17	0	0		
TOTAL NPC	880		102.83	57	14	32	0	0	0	0
<u>Allocation from ER</u>										
Tala HEP	1020	2.94	29.99	13	8	9	0	0		
SASAN	3960	11.25	445.50	66.08	311.08	68.34	0	0		
DVC(CTPS7 &8)			300.00	131.00	82.00	83.76				
DVC(Mejia6)			100.00	44	25	31	0	0		
TOTAL	4980		875.49	254	426	192	0	0	0	0
<u>Allocation from Long term Bilateral</u>										
CLP Jhajjar(Th)	1320		124.00			124				
Mejia-7(Th)	500		119.00		119					
Methan(Th)	1050		281.25			281				
Surya Kanta(Hyd)			14.00			14				
Nanti Hydro			11.45			11				
Tutikoren(LT-61)			50.00	50						
SECI			60.00	20	20	20				
RUMS - DMRC			99.00	47.5	26.3	25.2				
Sun Edision (From 18.11.2019)			90.00			90				
Teranda (HYD)(From 08.1.2020)			12.65			12.65				
BRBCL (From 15.01.2020)			5.00							5
JIPTL			9.46							9.46
TOTAL	2870		875.81	117	166	579	0	0	0	14.4
Total in MW	33445		7540	3078	1700	2371	326	45	1	14.4
										6

B) ALLOCATION OF DELHI AND DISCOMS (IN %AGE) FROM VARIOUS CENTRAL SECTOR, STATE SECTOR GENERATING STATIONS ALONG WITH LTAs w.e.f. 01.05.2020

Name of the Stn	Installed capacity in MW	Capacity Allocation to Delhi In%	Capacity Allocation to Delhi in MW	DISCOMWISE CAPACITY ALLOCATION IN PERCENTAGE (%AGE)						
				BRPL	BYPL	TPDD L	NDMC	ME S	RPH	NR
STATE GENERATING STATIONS										
GAS TURBINE	270	100	270	60.89	8.57	30.18	0.00	0.00	0.37	
PRAGATI	330	100	330	28.29	16.07	19.28	30.30	6.06		
BAWANA CCGT	1371	80	1097	38.91	22.50	27.19	9.13	2.28		
EDWPCL(WEP)	12	49	6	0.00	100.00	0.00	0.00	0.00		
Bawana(WEP)	24	100	24	41.81	23.90	29.20	5.09	0.00		
TOWMCL(WEP)	13	97	12.63	50.00	0.00	47.15	0.00	0.00	0.00	
TOTAL	2020		1739.31	40.31	19.24	26.24	11.57	2.58	0.06	0.00
CENTRAL SECTOR GENERATION										
<u>NTPC STATIONS</u>										
Singrauli STPS	2000	7.50	150.00	19.76	49.56	30.68	0.00	0.00		
Rihand Stage-I	1000	10.00	100.00	69.32	0.00	30.68	0.00	0.00		
Rihand Stage -II	1000	12.60	126.00	43.92	25.40	30.68	0.00	0.00		
Rihand Stage-III	1000	13.19	131.91	59.26	40.74	0.00	0.00	0.00		
ANTA GPS	419	10.50	44.00	43.92	25.40	30.68	0.00	0.00		
Auriya GPS	663.36	10.86	72.04	43.92	25.40	30.68	0.00	0.00		
Dadri GPS	829.78	10.96	90.94	43.92	25.39	30.68	0.00	0.00		
Dadri (Th)-I	840	90.00	756.00	73.98	8.17	1.32	16.53	0.00		
Dadri (Th) -II	980	74.24	727.53	74.60	24.03	1.37	0.00	0.00		
Unchahaar-I TPS	420	5.71	23.98	43.92	25.39	30.68	0.00	0.00		
Unchahaar-II TPS	420	11.19	47.00	43.92	25.40	30.68	0.00	0.00		
Unchahaar-III TPS	210	13.81	29.00	43.92	25.40	30.68	0.00	0.00		
Unchahaar-IV TPS	500									
Jhajjar	1500	46.20	693.00	1.44	9.99	88.57	0.00	0.00		
Farakka	1600	1.39	22.24	43.92	25.40	30.68	0.00	0.00		
Kahalgaoon-I	840	6.07	50.99	43.92	25.40	30.68	0.00	0.00		
Kahalgaoon-II	1500	10.49	157.35	43.92	25.40	30.68	0.00	0.00		
TOTAL NTPC	15722		3221.98	49.06	18.70	28.37	3.88	0.00	0.00	0.00
<u>NHPC (HYDRO)</u>										
Baira Suil HPS	180	11.00	19.80	43.92	25.40	30.68	0.00	0.00		
Salal HPS	690	11.62	80.18	74.60	25.40	0.00	0.00	0.00		
Tanakpur HEP	94	12.81	12.07	43.92	25.40	30.68	0.00	0.00		
Chamera HEP	540	7.90	42.66	43.92	25.40	30.68	0.00	0.00		
Chamera-II HEP	300	13.33	39.99	43.92	25.40	30.68	0.00	0.00		
Chamera-III HEP	231	12.73	29.42	43.92	25.40	30.68	0.00	0.00		
URI-I HEP	480	11.04	52.99	43.92	25.40	30.68	0.00	0.00		
URI -II HEP	240	13.45	32.28	43.92	25.40	30.68	0.00	0.00		
Sewa HEP	120	13.33	16.00	43.92	25.40	30.68	0.00	0.00		
Dhauri Ganga HEP	280	13.21	36.99	43.92	25.40	30.68	0.00	0.00		
Dulhasti HEP	390	12.83	50.04	43.92	25.40	30.68	0.00	0.00		
Parbati-III HEP	520	12.73	66.20	43.92	25.40	30.68	0.00	0.00		
Total NHPC	4065		478.60734	49.06	25.40	25.54	0.00	0.00		

Name of the Stn	Installed capacity in MW	Capacity Allocation to Delhi In%	Capacity Allocation to Delhi in MW	DISCOMWISE CAPACITY ALLOCATION IN PERCENTAGE (%AGE)						
				BRPL	BYPL	TPDDL	NDMC	ME S	RPH	NR
Nathpa Jhakri HEP	1500	9	142.05	43.92	25.40	30.68	0.00	0.00		
Tehri Hydro	1000	6.30	63.00	69.32	0.00	30.68	0.00	0.00		
Koteshwar HEP	400	9.86	39.44	69.32	0.00	30.68	0.00	0.00		
Total THDC	1400		102.44	69.32	0.00	30.68	0.00	0.00		
Singrauli Hyd	8	19.13	1.53	0.00	0.00	100.00	0.00	0.00		
<u>NPC (NUCLEAR)</u>										
Narora APS	440	10.68	46.99	69.32	0.00	30.68	0.00	0.00		
RAPP (C)	440	12.69	55.84	43.92	25.40	30.68	0.00	0.00		
TOTAL NPC	880		102.828	55.53	13.79	30.68	0.00	0.00	0.00	0.00
Allocation from ER										
Tala HEP	1020	2.94	29.99	43.92	25.40	30.68	0.00	0.00		
SASAN	3960	11.25	445.50	14.83	69.83	15.34	0.00	0.00		
DVC(CTPS7 &8)			300.00	44.14	27.63	28.22				
DVC(Mejia6)			100.00	43.92	25.40	30.68	0.00	0.00		
TOTAL	4980		875.488	29.03	48.67	21.93	0.00	0.00	0.00	0.00
Allocation from Long term Bilateral										
CLP Jhajjar(Th)	1320		124.00			100.00				
Mejia-7(Th)	500		119.00		100.00					
Methan(Th)	1050		281.25			100.00				
Surya Kanta(Hyd)			14.00			100.00				
Nanti Hydro			11.45			100.00				
Tutikoren			50.00	100.00						
SECI			60.00	32.93	33.78	33.29				
RUMS - DMRC			99.00	47.98	26.57	25.45				
Sun Edision (From 18.11.2019)			90.00			100.00				
Teranda (HYD) (From 08.1.2020)			12.65			100.00				
BRBCL (From 15.01.2020)			5.00							100
JIPTL			9.46							100
TOTAL	2870		875.81	13.39	18.90	66.06	0.00	0.00	0.00	200.
Total	33445		7540	40.83	22.55	31.45	4.33	0.60	0.01	0.19

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**POWER AVAILABILITY-DEMAND POSITION AT THE TIME OF PEAK DEMAND
MET DURING JUNE 2022**

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	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	23.20.35	34	150	308	19	0	7	517	5718	5421	297	6235	0	6235
2	23.29.10	34	149	309	17	0	17	526	6004	5839	165	6530	0	6530
3	23.19.59	34	151	-13	12	0	18	202	6409	6047	362	6611	0	6611
4	23.33.28	34	151	295	11	0	18	509	6067	5998	69	6576	0	6576
5	23.40.00	34	150	299	11	0	19	513	6191	6139	52	6704	0	6704
6	23.39.00	23	151	301	19	0	18	512	6327	6260	67	6839	0	6839
7	23.19.03	23	147	306	18	0	18	512	6414	6369	45	6926	0	6926
8	23.26.46	35	150	299	18	0	17	519	6405	6374	31	6924	0	6924
9	23.22.43	34	146	305	18	0	17	520	6646	6578	68	7166	0	7166
10	15.22.44	34	149	304	17	0	17	521	6630	6776	-146	7151	0	7151
11	00.02.23	34	149	307	18	0	17	525	6471	6255	216	6996	0	6996
12	23.51.45	34	149	308	19	0	18	528	6519	6582	-63	7047	0	7047
13	15.32.24	31	141	291	18	0	19	500	6810	6605	205	7310	0	7310
14	00.00.03	34	148	307	19	0	17	525	6619	6618	1	7144	0	7144
15	15.35.33	33	271	274	15	0	17	610	6724	6613	111	7334	0	7334
16	00.00.00	43	270	272	18	0	17	620	6575	6614	-39	7195	0	7195
17	00.00.01	44	269	298	19	0	19	649	6059	5929	130	6708	0	6708
18	00.00.04	44	156	278	19	0	17	514	4811	4836	-25	5325	0	5325
19	00.01.24	44	155	270	19	0	17	505	4682	4679	3	5187	0	5187
20	23.22.31	44	155	270	18	0	17	504	4571	4654	-83	5075	0	5075
21	23.27.48	44	153	299	19	0	15	530	4838	4837	1	5368	0	5368
22	23.21.11	44	153	292	18	0	18	525	5048	5056	-8	5573	0	5573
23	15.06.33	34	148	273	18	0	18	491	5180	5108	72	5671	0	5671
24	23.41.40	34	153	302	17	0	18	524	5270	5277	-7	5794	3	5797
25	23.41.36	34	151	291	18	0	18	512	5449	5398	51	5961	0	5961
26	23.27.52	34	149	302	18	0	16	519	6246	6085	161	6765	0	6765
27	23.35.16	34	247	607	18	0	18	924	6326	6712	-386	7250	0	7250
28	15.21.19	38	262	535	12	0	18	865	6735	6658	77	7600	0	7600
29	15.10.41	39	263	576	16	0	16	910	6784	6784	0	7694	0	7694
30	00.00.03	39	265	502	17	0	17	840	6219	6316	-97	7059	0	7059

POWER AVAILABILITY- DEMAND POSITION AT THE TIME OF MAXIMUM UNRESTRICTED DEMAND DURING JUNE 2022

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	EDW PCL	DMS WL	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	23.20.35	34	150	308	19	0	7	517	5718	5421	297	6235	0	6235
2	23.29.10	34	149	309	17	0	17	526	6004	5839	165	6530	0	6530
3	23.19.59	34	151	-13	12	0	18	202	6409	6047	362	6611	0	6611
4	23.33.28	34	151	295	11	0	18	509	6067	5998	69	6576	0	6576
5	23.40.00	34	150	299	11	0	19	513	6191	6139	52	6704	0	6704
6	23.39.00	23	151	301	19	0	18	512	6327	6260	67	6839	0	6839
7	23.19.03	23	147	306	18	0	18	512	6414	6369	45	6926	0	6926
8	23.26.46	35	150	299	18	0	17	519	6405	6374	31	6924	0	6924
9	23.22.43	34	146	305	18	0	17	520	6646	6578	68	7166	0	7166
10	15.22.44	34	149	304	17	0	17	521	6630	6776	-146	7151	0	7151
11	00.02.23	34	149	307	18	0	17	525	6471	6255	216	6996	0	6996
12	23.51.45	34	149	308	19	0	18	528	6519	6582	-63	7047	0	7047
13	15.32.24	31	141	291	18	0	19	500	6810	6605	205	7310	0	7310
14	00.00.03	34	148	307	19	0	17	525	6619	6618	1	7144	0	7144
15	15.35.33	33	271	274	15	0	17	610	6724	6613	111	7334	0	7334
16	00.00.00	43	270	272	18	0	17	620	6575	6614	-39	7195	0	7195
17	00.00.01	44	269	298	19	0	19	649	6059	5929	130	6708	0	6708
18	00.00.04	44	156	278	19	0	17	514	4811	4836	-25	5325	0	5325
19	00.01.24	44	155	270	19	0	17	505	4682	4679	3	5187	0	5187
20	23.22.31	44	155	270	18	0	17	504	4571	4654	-83	5075	0	5075
21	23.27.48	44	153	299	19	0	15	530	4838	4837	1	5368	0	5368
22	23.21.11	44	153	292	18	0	18	525	5048	5056	-8	5573	0	5573
23	15.06.33	34	148	273	18	0	18	491	5180	5108	72	5671	0	5671
24	23.41.40	34	153	302	17	0	18	524	5270	5277	-7	5794	3	5797
25	23.41.36	34	151	291	18	0	18	512	5449	5398	51	5961	0	5961
26	23.27.52	34	149	302	18	0	16	519	6246	6085	161	6765	0	6765
27	23.35.16	34	247	607	18	0	18	924	6326	6712	-386	7250	0	7250
28	15.21.19	38	262	535	12	0	18	865	6735	6658	77	7600	0	7600
29	15.10.41	39	263	576	16	0	16	910	6784	6784	0	7694	0	7694
30	00.00.03	39	265	502	17	0	17	840	6219	6316	-97	7059	0	7059

SOURCEWISE SCHEDULED DRAWL FROM NORTHERN GRID AS WELL AS AVAILABILITY WITHIN DELHI FOR JUNE 2022

(ALL FIGURES IN MUS)

GENERATION WITHIN DELHI	AVAILABILITY	SCHEDULE
Rajghat Power House	0.000	0.000
Gas Turbine	56.864	24.251
Pragati-I	217.915	124.429
Pragati-III (Bawana)	901.285	218.373
Rithala	0.000	0.000
Badarpur	0.000	0.000
Renewable (include WTE)	22.523	22.523
TOTAL DELHI GEN.	1198.586	389.575

NAME OF STATION	AVAILABILITY	SCHEDULE
SINGRAULI STPS	96.478	94.580
RIHAND STPS	66.507	61.815
DADRI TPS	499.358	0.000
UNCHAHAR-I TPS	10.860	8.292
UNCHAHAR-II TPS	31.983	23.133
ANTA GPP-GF	26.083	0.000
ANTA GPP-LF	0.000	0.190
ANTA GPP-RF	0.000	0.010
ANTA CRF	0.000	0.900
AURAIYA GPP-GF	48.591	0.000
AURAIYA GPP-LF	0.000	0.337
AURAIYA GPP-RF	0.000	0.041
AURAIYA CRF	0.000	0.525
DADRI GPP-GF	56.964	0.000
DADRI GPP-LF	0.000	1.236
DADRI GPP-RF	0.000	5.027
DADRI CRF	0.000	0.711
BAIRASIUL HEP	5.203	5.203
SALAL HEP	46.099	46.099
TANAKPUR HEP	4.911	4.911
CHAMERA HEP	12.496	12.496
URI HEP	33.561	33.561
NATHPA JHAKRI HEP	84.799	84.799
CHAMERA HEP-II	21.222	21.222
RIHAND-II STPS	85.061	79.555
DHAULIGANGA HEP	20.629	20.629
TEHRI HEP	9.516	9.516
UNCHAHAR-III TPS	19.886	14.817
DULHASTI HEP	35.582	35.582

NAME OF STATION	AVAILABILITY	SCHEDULE
DADRI II	495.885	367.335
SEWA-II	4.143	4.143
jhajjar	113.613	389.545
NAPP	12.137	12.137
RAPP C	36.504	36.504
RAPPB_4 C	0.000	0.000
KOTESWAR	8.234	8.234
SASAN	287.884	287.884
CHAMERA III	15.601	15.601
RIHAND3	93.243	86.818
KAHALGAON1	27.936	21.969
KAHALGAON2	111.182	91.432
TALA	15.042	15.042
FARAKA	9.971	9.971
URI 2 HEP	19.920	19.920
Parvati3	5.937	5.937
Koldam	0.000	0.000
SINGRAULI SHEP	0.413	0.413
UNCHAHAR - IV TPS	0.000	0.000
TALCHER (BTPS)	11.400	0.000
Nabinagar STPS(BRBCL)	3.190	9.441
TOTAL ISGS	2488.022	1947.512
LTA	767.889	767.889
TOTAL (ISGS+LTA)	3255.911	2715.402
TOTAL AVAILABILITY	4454.497	3104.976
BILATERAL PURCHASE	1202.668	1202.668

8. SHEDDING DETAILS DURING THE MONTH OF JUNE 2022.

ALL FIGURES IN MUs

DATE	No. of Under Freq. Relay Operated	Shedding due to under frequency relay operation in MUs					Shedding due to Grid Restrictions (Over drawal / low freq.)				
		BSES		TPDDL	NDMC	TOTAL	BSES		TPDDL	NDMC	MES
		BYPL	BRPL				BYPL	BRPL			
1	2	3	4	5	6	7=3 to 6	8	9	10	11	12
01.06.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
02.06.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
03.06.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
04.06.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
05.06.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
06.06.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
07.06.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
08.06.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
09.06.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10.06.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11.06.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12.06.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
13.06.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14.06.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15.06.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
16.06.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17.06.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
18.06.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
19.06.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20.06.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
21.06.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22.06.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
23.06.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
24.06.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25.06.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
26.06.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27.06.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
28.06.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
29.06.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30.06.22	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

Date	Shedding due to Transmission/Grid Constraints in Central Sector Stations / TTC / ATC VOILATION				DUE TO NEW GRID CODE REGULATION DEVIATION			Shedding due to Transmission/Grid Constraints in Central sector stations				Total	Total shedding due to grid restrictions
	BSES		TPDDL	NDMC	BSES			BSES		TPDDL	NDMC		
	BYPL	BRPL			BYPL	BRPL	TPDDL	BYPL	BRPL				
1	13	14	15	16	17	18	19	20	21	22	23	24=8 to 23	25=7+24
01.06.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
02.06.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
03.06.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
04.06.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
05.06.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
06.06.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
07.06.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
08.06.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
09.06.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10.06.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11.06.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12.06.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
13.06.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14.06.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15.06.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
16.06.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17.06.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
18.06.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
19.06.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20.06.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
21.06.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22.06.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
23.06.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
24.06.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25.06.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
26.06.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27.06.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
28.06.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
29.06.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30.06.22	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

Date	DUE TO T&D CONSTRAINTS IN DELHI SYSTEM	
	DTL	DISCOMS

	BSES		TPDDL	NDMC	MES	BSES		TPDDL	NDMC
	BYPL	BRPL				BYPL	BRPL		
1	26	27	28	29	30	31	32	33	34
01.06.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
02.06.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
03.06.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
04.06.22	0.000	0.006	0.000	0.000	0.000	0.000	0.000	0.000	0.000
05.06.22	0.000	0.045	0.000	0.000	0.000	0.000	0.000	0.000	0.000
06.06.22	0.000	0.035	0.011	0.000	0.000	0.000	0.000	0.000	0.000
07.06.22	0.004	0.000	0.310	0.000	0.000	0.000	0.000	0.003	0.000
08.06.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
09.06.22	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.002	0.000
10.06.22	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11.06.22	0.015	0.006	0.000	0.000	0.000	0.000	0.000	0.002	0.000
12.06.22	0.034	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
13.06.22	0.000	0.030	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14.06.22	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.023	0.000
15.06.22	0.000	0.000	0.009	0.000	0.000	0.000	0.000	0.000	0.000
16.06.22	0.002	0.000	0.061	0.000	0.000	0.000	0.000	0.003	0.000
17.06.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
18.06.22	0.000	0.000	0.008	0.000	0.000	0.000	0.000	0.000	0.000
19.06.22	0.000	0.000	0.000	0.000	0.000	0.000	0.006	0.000	0.000
20.06.22	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	0.000
21.06.22	0.000	0.000	0.000	0.000	0.000	0.012	0.000	0.000	0.000
22.06.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
23.06.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
24.06.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25.06.22	0.003	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000
26.06.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.000
27.06.22	0.000	0.018	0.000	0.000	0.000	0.002	0.059	0.021	0.000
28.06.22	0.005	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
29.06.22	0.001	0.000	0.013	0.000	0.000	0.000	0.000	0.000	0.000
30.06.22	0.000	0.000	0.001	0.000	0.000	0.017	0.000	0.001	0.000

TOTAL	0.064	0.143	0.413	0.000	0.000	0.031	0.067	0.059	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			
I	35	36	37	38	39	40	41	42= 26 to 41	43 = 25 + 42
01.06.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
02.06.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
03.06.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
04.06.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.006	0.006
05.06.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.045	0.045
06.06.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.046	0.046
07.06.22	0.000	0.000	0.008	0.000	0.000	0.000	0.000	0.325	0.325
08.06.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
09.06.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.004
10.06.22	0.000	0.000	0.002	0.000	0.000	0.000	0.000	0.003	0.003
11.06.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.023	0.023
12.06.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.034	0.034
13.06.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.030	0.030
14.06.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.024	0.024
15.06.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.009	0.009
16.06.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.065	0.065
17.06.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
18.06.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.008	0.008
19.06.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.006	0.006
20.06.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001
21.06.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.012	0.012
22.06.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
23.06.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
24.06.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25.06.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.004
26.06.22									

	0.000	0.000	0.00 0	0.000	0.000	0.000	0.000	0.003	0.003
27.06.22	0.000	0.000	0.00 0	0.000	0.000	0.000	0.000	0.100	0.100
28.06.22	0.000	0.000	0.00 1	0.000	0.000	0.000	0.000	0.006	0.006
29.06.22	0.000	0.000	0.00 0	0.000	0.000	0.000	0.000	0.015	0.015
30.06.22	0.000	0.000	0.00 0	0.000	0.000	0.000	0.000	0.020	0.020
TOTAL	0.000	0.000	0.01 1	0.000	0.000	0.000	0.000	0.788	0.788

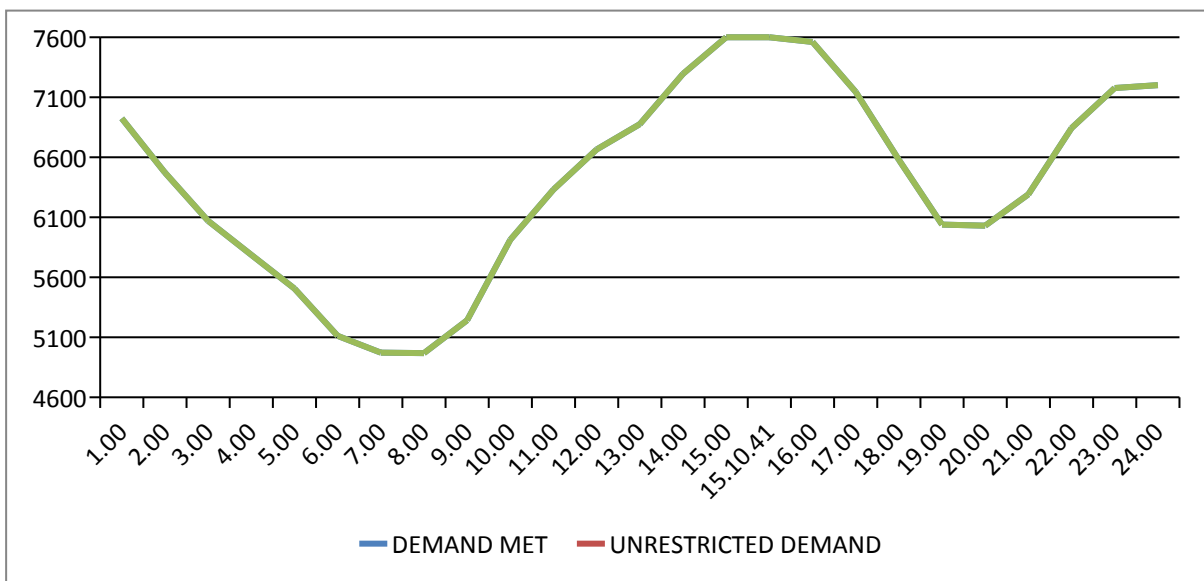
DATE	(NET CONS.)	MAXI. DEMAND MET DURING THE DAY	TIME OF OCCUR- RENCE OF MAX DEMAND	SHEDDING AT THIS TIME	UN-REST- RICTED DEMAND	MAXIMUM UN-REST- RICTED DEMAND DURING THE DAY	TIME OF MAX. UN-REST. DEMAND	DEMAN D AT THAT TIME	SHEDDIN G AT THAT TIME
	In Mus.	IN MW	IN HRS.	IN MW	IN MW	IN MW	HRS.	IN MW	IN MW
1	32	33	34	35	36=33+35	37=39+40	38	39	40
01.06.22	123.728	6235	23:20:35	0	6235	6235	23:20:35	6235	0
02.06.22	128.408	6530	23:29:10	0	6530	6530	23:29:10	6530	0
03.06.22	132.856	6611	23:19:59	0	6611	6611	23:19:59	6611	0
04.06.22	130.055	6576	23:33:28	0	6576	6576	23:33:28	6576	0
05.06.22	129.545	6704	23:40:26	0	6704	6704	23:40:26	6704	0
06.06.22	136.185	6839	23:39:09	0	6839	6839	23:39:09	6839	0
07.06.22	140.508	6926	23:19:03	0	6926	6926	23:19:03	6926	0
08.06.22	138.284	6924	23:26:46	0	6924	6924	23:26:46	6924	0
09.06.22	141.401	7166	23:22:43	0	7166	7166	23:22:43	7166	0
10.06.22	148.057	7129	15:22:44	0	7129	7129	15:22:44	7129	0
11.06.22	136.333	6990	0:02:23	0	6990	6990	0:02:23	6990	0
12.06.22	136.627	7047	23:51:45	0	7047	7047	23:51:45	7047	0
13.06.22	159.814	7310	15:32:24	0	7310	7310	15:32:24	7310	0
14.06.22	146.064	7144	0:00:03	0	7144	7144	0:00:03	7144	0
15.06.22	148.308	7334	15:35:33	0	7334	7334	15:35:33	7334	0
16.06.22	144.059	7188	00:00:00	0	7188	7188	00:00:00	7188	0
17.06.22	127.706	6708	00:00:01	0	6708	6708	00:00:01	6708	0
18.06.22	109.781	5325	00:00:04	0	5325	5325	00:00:04	5325	0
19.06.22	101.051	5187	0:01:24	0	5187	5187	0:01:24	5187	0
20.06.22	106.651	5074	23:22:31	0	5074	5074	23:22:31	5074	0
21.06.22	108.058	5368	23:27:48	0	5368	5368	23:27:48	5368	0

							8		
22.06.22	114.676	5572	23:21:11	0	5572	5572	23:21:11	5572	0
23.06.22	115.874	5670	15:06:33	0	5670	5670	15:06:33	5670	0
24.06.22	118.867	5794	23:41:40	0	5794	5794	23:41:40	5794	0
25.06.22	118.696	5961	23:41:36	0	5961	5961	23:41:36	5961	0
26.06.22	129.288	6765	23:27:52	0	6765	6765	23:27:52	6765	0
27.06.22	147.377	7249	23:35:16	0	7249	7249	23:35:16	7249	0
28.06.22	155.140	7601	15:21:19	0	7601	7601	15:21:19	7601	0
29.06.22	153.646	7695	15:10:41	0	7695	7695	15:10:41	7695	0
30.06.22	124.857	7130	0:00:03	0	7130	7130	0:00:03	7130	0
TOTAL	3951.90	7695	15.10.41	0		7695	15.10.41		
	0	29.06.22							

9. LOAD PATTERN OF DELHI ON THE DAY OF PEAK DEMAND MET DURING JUNE 2022 ON 29.06.2022 - 7695 MW AT 15.10.41HRS.

All figures in MW

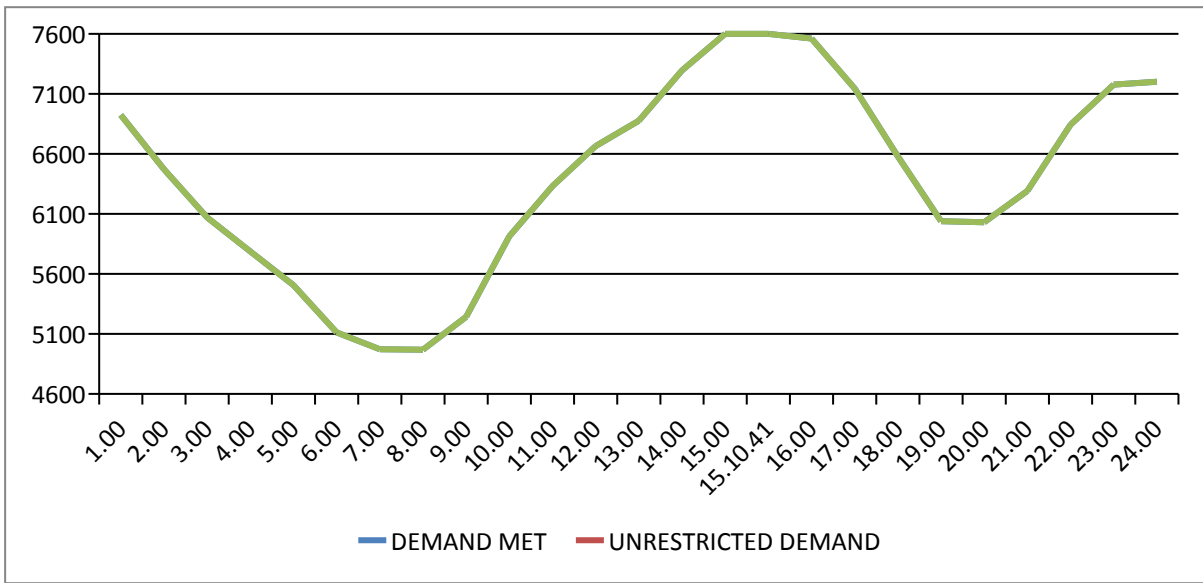
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	6924	0	6924
2.00	6472	0	6472
3.00	6070	0	6070
4.00	5787	0	5787
5.00	5506	0	5506
6.00	5112	0	5112
7.00	4972	0	4972
8.00	4968	0	4968
9.00	5242	0	5242
10.00	5913	0	5913
11.00	6331	0	6331
12.00	6665	0	6665
13.00	6876	0	6876
14.00	7295	0	7295
15.00	7654	0	7654
15.10.41	7695	0	7695
16.00	7561	0	7561
17.00	7145	0	7145
18.00	6579	0	6579
19.00	6039	0	6039
20.00	6030	0	6030
21.00	6291	0	6291
22.00	6843	0	6843
23.00	7177	0	7177
24.00	7201	0	7201
Total (IN MUS)	153.642	0.015	153.657



10 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UN-RESTRICTED DEMAND DURING JUNE 2022 ON 29.06.2022- 7695MW AT 15.10.41HRS.

All figures in MW

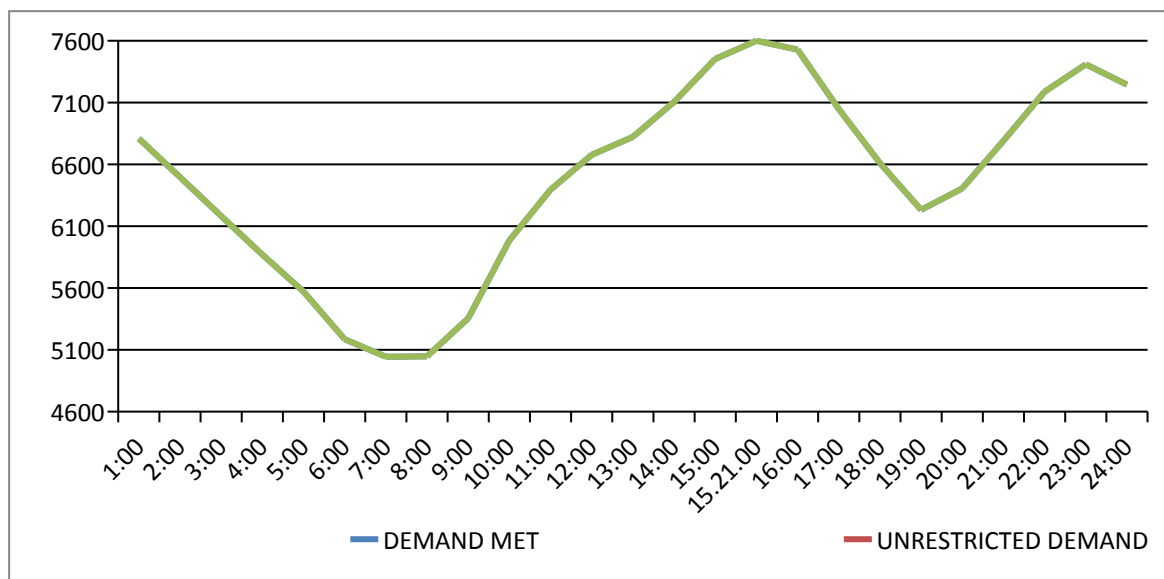
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	6924	0	6924
2.00	6472	0	6472
3.00	6070	0	6070
4.00	5787	0	5787
5.00	5506	0	5506
6.00	5112	0	5112
7.00	4972	0	4972
8.00	4968	0	4968
9.00	5242	0	5242
10.00	5913	0	5913
11.00	6331	0	6331
12.00	6665	0	6665
13.00	6876	0	6876
14.00	7295	0	7295
15.00	7654	0	7654
15.10.41	7695	0	7695
16.00	7561	0	7561
17.00	7145	0	7145
18.00	6579	0	6579
19.00	6039	0	6039
20.00	6030	0	6030
21.00	6291	0	6291
22.00	6843	0	6843
23.00	7177	0	7177
24.00	7201	0	7201
Total (IN MUS)	153.642	0.015	153.657



11 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM ENERGY CONSUMED DURING JUNE 2022 – 28.06.2022 – 154.238 Mus

All figures in MW

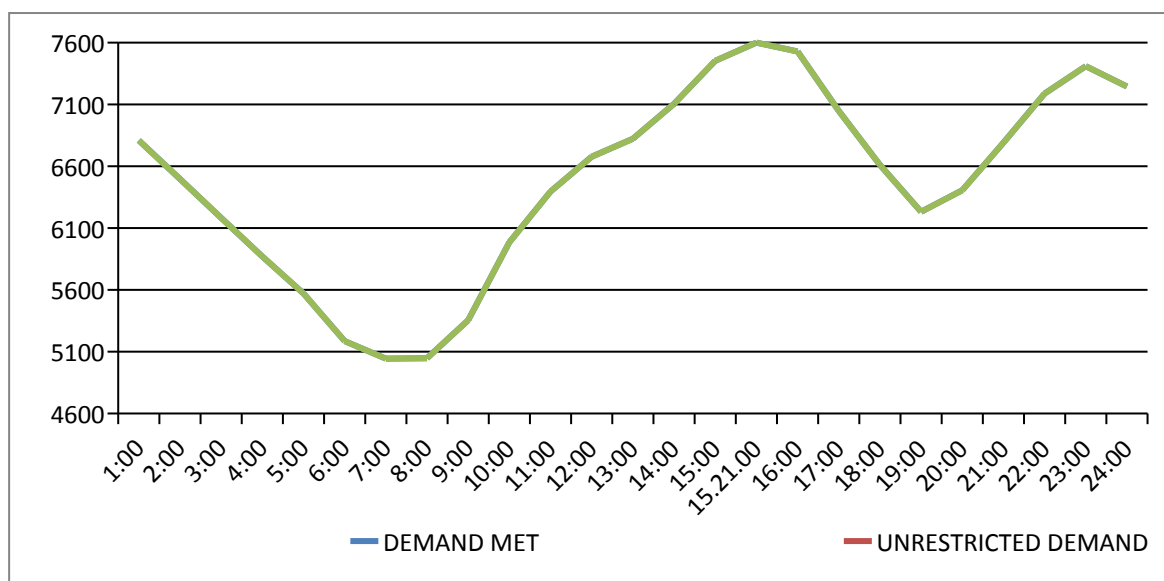
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1:00	6809	0	6809
2:00	6497	0	6497
3:00	6182	0	6182
4:00	5870	0	5870
5:00	5571	0	5571
6:00	5186	0	5186
7:00	5044	0	5044
8:00	5047	0	5047
9:00	5355	0	5355
10:00	5985	0	5985
11:00	6395	0	6395
12:00	6677	0	6677
13:00	6822	0	6822
14:00	7105	0	7105
15:00	7453	0	7453
15.21.00	7601	0	7601
16:00	7528	0	7528
17:00	7048	0	7048
18:00	6611	0	6611
19:00	6232	0	6232
20:00	6406	0	6406
21:00	6791	0	6791
22:00	7188	0	7188
23:00	7409	0	7409
24:00	7245	0	7245
TOTAL	154.238	0.045	154.283



12 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UNRESTRICTED ENERGY DEMAND DURING JUNE 2022 - ON 28.06.2022- 154.283-MUs

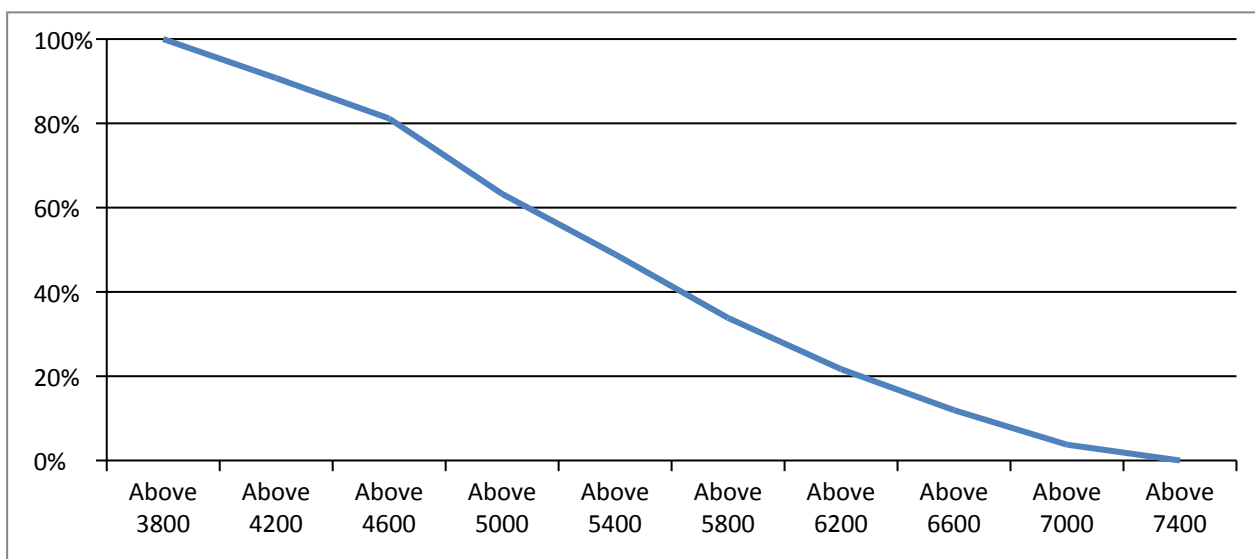
All figures in MW

Hrs.	Demand	Load Shedding	Un-Restricted Demand
1:00	6809	0	6809
2:00	6497	0	6497
3:00	6182	0	6182
4:00	5870	0	5870
5:00	5571	0	5571
6:00	5186	0	5186
7:00	5044	0	5044
8:00	5047	0	5047
9:00	5355	0	5355
10:00	5985	0	5985
11:00	6395	0	6395
12:00	6677	0	6677
13:00	6822	0	6822
14:00	7105	0	7105
15:00	7453	0	7453
15.21.00	7601	0	7601
16:00	7528	0	7528
17:00	7048	0	7048
18:00	6611	0	6611
19:00	6232	0	6232
20:00	6406	0	6406
21:00	6791	0	6791
22:00	7188	0	7188
23:00	7409	0	7409
24:00	7245	0	7245
TOTAL	154.238	0.000	154.238



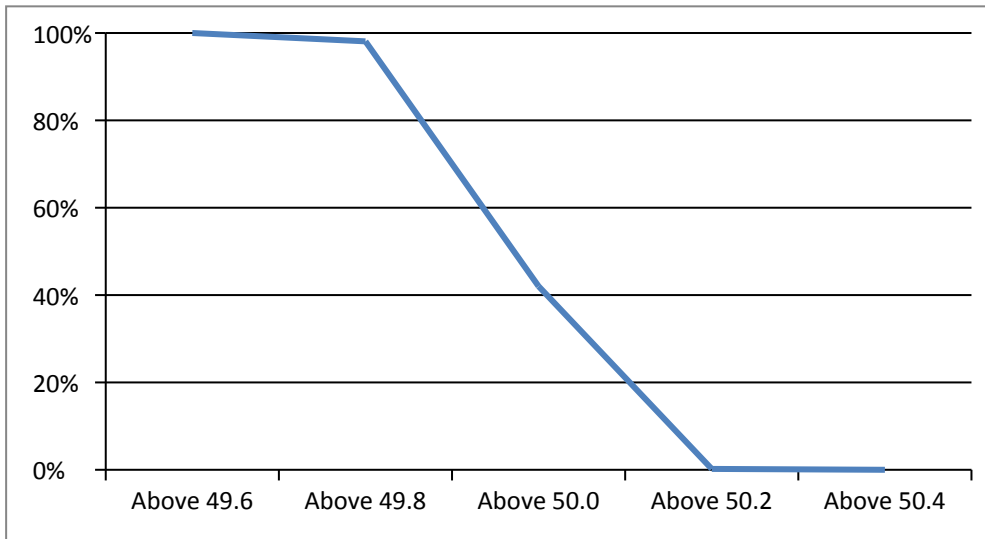
13 LOAD DURATION CURVE FOR JUNE 2022

LOAD REMAINED ABOVE IN MW	(%) OF TIME
Above 3800	100%
Above 4200	90.73%
Above 4600	81.15%
Above 5000	63.26%
Above 5400	48.92%
Above 5800	33.82%
Above 6200	21.67%
Above 6600	11.94%
Above 7000	3.75%
Above 7400	0.00%



14 FREQUENCY ANALYSIS FOR THE MONTH OF JUNE 2022

FREQUENCY REMAINED ABOVE IN HZ	(%) OF TIME
Above 49.6	100%
Above 49.8	98.09%
Above 50.0	42.01%
Above 50.2	0.20%
Above 50.4	0.00%



15 VOLTAGE PROFILE OF 220 KV SUB-STATIONS IN DELHI DURING JUNE 2022

All figures in kV

Date	NARELA		GAZIPUR	
	Max	Min	Max	Min
01.06.22	225.6	213.3	225.1	212.4
02.06.22	223.6	212.8	223.4	211.0
03.06.22	224.9	213.6	226.6	215.4
04.06.22	223.5	214.5	226.4	215.8
05.06.22	224.8	215.0	228.4	219.5
06.06.22	224.1	210.8	226.3	214.9
07.06.22	224.3	212.0	227.8	216.2
08.06.22	223.3	212.0	227.1	216.1
09.06.22	224.4	212.5	228.3	216.5
10.06.22	224.7	211.1	227.6	214.2
11.06.22	223.9	212.3	227.7	215.0
12.06.22	224.5	213.1	227.4	216.5
13.06.22	222.9	211.7	224.9	214.8
14.06.22	222.3	210.7	225.2	214.9
15.06.22	222.0	209.6	226.4	215.1
16.06.22	223.8	213.3	231.9	216.3
17.06.22	226.1	215.7	232.3	219.9
18.06.22	227.7	218.1	234.5	221.2
19.06.22	227.0	220.0	234.9	224.3
20.06.22	226.9	215.9	234.2	218.5
21.06.22	226.1	216.7	234.6	217.5
22.06.22	225.6	214.2	230.5	213.8
23.06.22	225.5	213.0	229.0	213.4
24.06.22	226.5	210.8	230.6	210.6
25.06.22	226.5	213.5	234.9	214.8
26.06.22	224.7	213.1	232.4	217.1
27.06.22	221.8	209.1	229.8	216.7
28.06.22	223.4	209.1	230.3	213.3
29.06.22	223.5	209.4	228.6	217.6
30.06.22	226.3	216.5	230.8	220.3

16 VOLTAGE PROFILE OF 400 KV SUB-STATIONS IN DELHI DURING JUNE 2022

All figures in kV

Date	400kV Bamnauli Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01.06.22	417.56	6:33:51	394.16	12:21:05	405.87
02.06.22	413.12	7:08:51	393.45	22:12:15	404.95
03.06.22	414.03	8:01:45	393.53	22:13:32	404.15
04.06.22	413.8	8:03:14	394.66	22:48:18	403.56
05.06.22	413.49	7:42:47	393.75	22:23:13	405.35
06.06.22	413.43	17:37:32	390.76	12:19:16	402.39
07.06.22	414.18	8:17:19	394.45	22:11:32	403.7
08.06.22	415.4	8:03:58	391.71	11:23:59	404.5
09.06.22	416.09	8:01:20	390.96	12:15:44	403.33
10.06.22	414.36	7:39:49	387.41	13:55:55	403.75
11.06.22	418.72	7:01:51	392.42	13:55:43	405.12
12.06.22	417.37	18:02:11	394.84	22:11:55	407.25
13.06.22	412.41	7:51:18	393.67	14:22:59	403.6
14.06.22	410.54	20:07:18	391.02	13:55:37	403.81
15.06.22	412.36	18:03:12	391.64	12:51:34	402.35
16.06.22	412.77	17:01:04	394.85	12:46:55	405.26
17.06.22	415.77	7:00:58	398.35	22:10:08	408.21
18.06.22	413.36	18:03:27	401.14	10:26:56	407.03
19.06.22	413.37	19:15:57	404.36	23:03:12	407.34
20.06.22	417.44	5:03:56	399.85	10:07:56	410.05
21.06.22	416.7	2:33:54	401.3	11:44:44	409.23
22.06.22	417.46	7:29:41	396.79	22:45:53	407.47
23.06.22	415.03	7:01:01	395.12	11:35:07	405.72
24.06.22	414.83	18:04:32	389.14	10:11:11	405.61
25.06.22	413.87	7:02:34	395.3	22:38:56	404.7
26.06.22	416.26	18:30:04	393.88	22:05:16	403.12
27.06.22	411.79	18:04:00	388.51	10:12:29	401.69
28.06.22	415.42	7:31:04	392.9	12:10:11	402.24
29.06.22	413.94	7:01:16	392.45	10:39:39	402.85
30.06.22	418.69	8:01:37	396.73	22:18:01	409.22

All figures in kV

Date	400kV Bawana Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01.06.22	412.93	7:09:59	387.57	12:40:54	401.3
02.06.22	407.77	7:01:21	390.24	11:25:26	400.41
03.06.22	410.08	6:02:05	391.04	11:52:55	401.07
04.06.22	408.41	17:44:16	392.32	11:50:32	400.95
05.06.22	411.76	9:01:38	393.93	22:24:02	404.82
06.06.22	409.55	6:31:14	387.74	12:13:34	399.56
07.06.22	408.85	7:02:58	389.6	14:28:15	397.68
08.06.22	408.67	7:01:27	388.52	11:24:15	399.46
09.06.22	411.78	7:01:05	386.98	12:14:04	399.76
10.06.22	409.97	7:02:20	387.62	13:56:14	400.47
11.06.22	413.14	7:01:48	389.98	22:59:49	401.93
12.06.22	411.33	18:00:38	390.51	23:02:34	402.89
13.06.22	408.36	7:48:20	393.54	14:23:10	400.05
14.06.22	408.62	7:00:44	392.93	13:56:15	401.72
15.06.22	405.94	5:15:58	388.77	12:52:03	399.21
16.06.22	411.2	6:59:00	393.78	0:19:02	402.52
17.06.22	414.63	6:57:30	398.31	11:51:04	405.46
18.06.22	417.62	8:05:24	400.78	23:23:57	407.88
19.06.22	419.4	6:04:55	404.71	0:00:09	412.32
20.06.22	417.19	3:51:37	399.46	12:38:27	409.47
21.06.22	415.71	3:22:27	400.38	22:54:53	408.08
22.06.22	413.19	8:00:39	395.6	12:21:16	405.36
23.06.22	415.11	7:01:04	394.12	11:48:59	405.18
24.06.22	416.25	6:35:26	389.18	10:11:38	404.56
25.06.22	415.11	7:02:31	396.41	11:57:16	404.76
26.06.22	411.54	6:06:21	392.66	22:18:21	402.27
27.06.22	407.91	6:58:37	388.26	10:12:26	399.81
28.06.22	410.53	6:39:53	388.93	10:09:54	399.55
29.06.22	411.55	7:12:04	391.45	12:15:01	399.94
30.06.22	415.82	8:01:10	397.21	22:51:27	406.41

DETAILS OF BREAK-DOWNS/TRIPPING DURING THE MONTH OF JUNE 2022

S L N O	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
1	1.6.22	14:29	400kV Bawana-Mundka Ckt-II	1.6.22	19:33	AT MUNDKA : DIST PROT, ZONE-I, R PHASE, DIST 7.87KM. AT BAWANA : DIST PROT, ZONE-I, DIST 10.64KM.
2	1.6.22	18:15	INDRAPRASTHA POWER 220/33kV 100MVA Tx-I	1.6.22	19:45	E/F, R PHASE.
3	4.6.22	6:55	OKHLA 66/11kV, 20MVA Tx-I	4.6.22	7:40	OVER CURRENT.
4	4.6.22	7:15	MEHRAULI 220/66kV 100MVA Tx-III	4.6.22	7:21	86
5	5.6.22	14:16	MEHRAULI 220/66kV 160MVA Tx-I	5.6.22	14:34	TRIPPED WITHOUT INDICATION.
6	5.6.22	14:16	MEHRAULI 220/66kV 100MVA Tx-II	5.6.22	16:35	TRIPPED WITHOUT INDICATION.
7	5.6.22	14:16	MEHRAULI 220/66kV 100MVA Tx-III	5.6.22	14:34	TRIPPED WITHOUT INDICATION.
8	5.6.22	14:16	MEHRAULI 220/66kV 100MVA Tx-I	5.6.22	14:34	TRIPPED WITHOUT INDICATION.
9	5.6.22	17:03	220kV MAHARANI BAGH - SARITA VIHAR CKT	5.6.22	20:27	AT MAHARANI BAGH : DIST PROT, ZONE-I, DIST 4.1KM.
10	6.6.22	15:39	220kV GOPALPUR- MANDOLACKT-I	6.6.22	16:33	AT GOPALPUR : DIST PROT, DIST 18.7KM.
11	7.6.22	14:48	400kV Bawana-Mundka Ckt-I	7.6.22	16:01	AT MUNDKA : 86A&B
12	7.6.22	16:39	220kV MUNDKA-KANJHAWALA CKT	7.6.22	12:45	AT MUNDKA : DIST PROT, ZONE-II, DIST 10.33KM.
13	7.6.22	20:17	PARKSTREET 66/33kV, 30MVA Tx-I	7.6.22	21:20	86
14	7.6.22	20:17	PARKSTREET 66/33kV, 30MVA Tx-II	7.6.22	21:20	86
15	7.6.22	23:28	GOPALPUR 220/66kV 100MVA Tx-II	7.6.22	23:41	86
16	10.6.22	5:20	NAJAFGARH 66/11kV, 20MVA Tx-I	10.6.22	6:45	E/F
17	10.6.22	5:20	220kV BAMNAULI-NAJAFGARH CKT-I	10.6.22	10:45	AT NAJAFGARH : 186
18	10.6.22	6:45	NAJAFGARH 66/11kV, 20MVA Tx-I	10.6.22	11:10	E/F
19	11.6.22	19:07	220 KV PATPARGANJ - I.P. CKT-I	11.6.22	19:30	AT PATPARGANJ : BUS BAR OPERATED.
20	12.6.22	23:03	PATPARGANJ 220/66kV 100MVA Tx-II	12.6.22	23:26	E/F, 86.
21	12.6.22	23:03	PATPARGANJ 220/66kV 100MVA Tx-I	12.6.22	23:26	E/F, 86.
22	13.6.22	10:43	MEHRAULI 220/66kV 100MVA Tx-I	13.6.22	10:55	86
23	13.6.22	10:43	MEHRAULI 220/66kV 100MVA Tx-III	13.6.22	10:55	86
24	13.6.22	12:08	BAMNAULI 400/220kV 315MVA ICT-IV	13.6.22	12:16	TRIPPED WITHOUT INDICATION.
25	13.6.22	14:40	MEHRAULI 220/66kV 100MVA Tx-I	13.6.22	14:45	86
26	13.6.22	14:40	MEHRAULI 220/66kV 100MVA Tx-III	13.6.22	14:45	86
27	14.6.22	10:10	RAJGHAT 220/33kV 100MVA Tx-2	14.6.22	11:30	O/C, E/F.
28	14.6.22	13:03	220kV PRAGATI - I.P. CKT - II	14.6.22	16:50	AT PRAGATI : 86.
29	14.6.22	15:30	LODHI RD 220/33kV 100MVA Tx-I	14.6.22	15:40	TRIPPED WITHOUT INDICATION.
30	14.6.22	15:30	INDRAPRASTHA POWER 220/33kV 100MVA Tx-II	14.6.22	15:38	E/F, BUCHOLZ.
31	15.6.22	23:00	GOPALPUR 220/66kV 100MVA Tx-II	15.6.22	23:06	O/C
32	16.6.22	1:30	220kV GOPALPUR- MANDOLACKT-II	16.6.22	8:04	AT GOPALPUR : 86, Y&B PHASE.
33	16.6.22	1:37	220kV PRAGATI - SARITA VIHAR CKT - I	16.6.22	12:53	AT PRAGATI : DIST PROT, ZONE-I, DIST 4.03KM.
34	16.6.22	2:00	GOPALPUR 220/66kV 160MVA Tx	16.6.22	7:15	BUCHOLZ, DIFFERENTIAL.
35	18.6.22	4:57	220KV BAWANA-SHALIMARBAGH CKT-I	18.6.22	12:51	AT BAWANA : DIST PROT, ZONE-II, DIST 11.07KM.
36	18.6.22	5:45	NAJAFGARH 220/66kV 100MVA Tx-I	18.6.22	11:42	86
37	21.6.22	10:12	220kV SARITA VIHAR - BTPS CKT.-I	23.6.22	14:31	AT SARITA VIHAR : DIST PROT, ZONE-I, DIST 23.32KM. AT BTPS DIST PROT, ZONE-I, DIST 1.4KM.
38	21.6.22	15:30	220kV MAHARANIBAGH-MASJID MOTH CKT-I	21.6.22	17:45	AT MAHARANI BAGH : DIST PROT, ZONE-I, DIST 0.1KM, R PHASE. TRIPPED WITH HEAVY SOUND.
39	22.6.22	8:12	INDRAPRASTHA POWER 220/33kV 100MVA Tx-II	22.6.22	8:40	E/F.
40	22.6.22	8:12	INDRAPRASTHA POWER 220/33kV 100MVA Tx-I	22.6.22	8:23	E/F, 86.
41	22.6.22	19:00	220KV GAZIPUR - MAHARANIBAGH CKT. -II	22.6.22	20:05	AT GAZIPUR : DIST PROT, ZONE-I, R PHSE, DIFFERENTIAL.
42	24.6.22	17:24	220kV GAZIPUR- PATPARGANJ CKT	24.6.22	19:25	AT GAZIPUR : DIFFERENTIAL, 86.
43	25.6.22	0:40	RAJGHAT 220/33kV 100MVA Tx-2	25.6.22	8:09	186, PRV.
44	25.6.22	18:44	RAJGHAT 220/33kV 100MVA Tx-2	25.6.22	19:15	TRIPPED WITHOUT INDICATION.
45	28.6.22	6:03	RAJGHAT 220/33kV 100MVA Tx-2	28.6.22	6:46	E/F.

S L N O	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
46	28.6.22	12:10	220kV MEHRAULI - VASANT KUNJ CKT.-I	28.6.22	18:10	AT VASANT KUNJ : E/F.
47	28.6.22	12:53	PAPPANKALAN-III 220/66kV 160MVA Tx-II	28.6.22	14:27	86, REF.
48	28.6.22	17:15	220kV WAZIRABAD-GEETA COLONY CKT-I	28.6.22	17:57	AT WAZIRABAD : DIST PROT, ZONE-I, DIST 1.721KM.
49	29.6.22	5:52	220kV BAWANA - KANJHAWALA CKT- 2	29.6.22	6:41	AT BAWANA : 86ABC.
50	29.6.22	5:52	220kV BAWANA - KANJHAWALA CKT - 1			AT BAWANA : 86.
51	29.6.22	5:59	KANJHAWALA 220/66kV 100MVA Tx- II	29.6.22	11:57	E/F.
52	29.6.22	8:00	MUNDKA 400/220kV 315MVA ICT-IV	29.6.22	10:16	HOT POINT.
53	29.6.22	15:12	KANJHAWALA 220/66kV 100MVA Tx- II	29.6.22	15:18	86
54	30.6.22	12:15	MASJID MOTH 220/33kV 100MVA Tx- II	30.6.22	16:15	INTERTRIPPING.
55	30.6.22	16:16	NARAINA 220/33kV 100MVA Tx-II	30.6.22	20:10	86

18 DETAILS OF UNDER FREQUENCY RELAY OPERATIONS IN DELHI POWER SYSTEM DURING THE MONTH OF JUNE 2022

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