

DELHI TRANSCO LTD.

STATE LOAD DISPATCH CENTER

PROGRESS REPORT

JULY 2022

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SALIENT FEATURES OF DELHI POWER SYSTEM

Sr. No.	Features	JUL. 2021	JUL. 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)	7323	7517
	Date	02.07.21	08.07.2022
	Time	15:16:47	15.33.37
3	Peak Demand met (MW)	7323	7517
	Date	02.07.2021	08.07.2022
	Time	15:16:47	15.33.37
4	Peak Availability (MW)	7226	7374
5	Shortage (-) / Surplus (+) in MW	(-) 97	(-) 143
6	Percentage Shortage (-) / Surplus (+)	(-) 1.32	(-) 1.90
7	Maximum Energy Consume in a day (Mus)	144.505	152.309
8	Energy Consumed during the month	3719.716	3906.240
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	1.113	0.338
	TPDDL	0.073	0.028
	BRPL	0.307	0.017
	BYPL	0.067	0.000
	NDMC	0.000	0.000
	MES	0.000	0.000
	Other Agencies	0.021	0.005
	Total	1.581	0.388
10	Grand Total in Mus	1.581	0.388

2. PERFORMANCE OF GENERATING STATIONS WITHIN DELHI DURING JULY 2022

A) For the month of Jul 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	0.124	-0.124	--	--
2.	GT	26.579	1.766	24.813	13.25	34.54
3.	PPCL	132.458	3.014	129.444	54.65	96.84
4.	Bawana	214.962	8.697	206.265	2067	728.17
5.	Towmcl	13.637	2.168	11.469	--	--
6.	EDWPCL	1.995	0.794	1.201	--	--
7.	DMSWL	13.270	2.211	11.059	--	--
	TOTAL	402.901	18.774	384.127	--	859.55

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

Power Station	Effective Capacity (MW)	Net Generation in MUs for Jul 2022	Availability (%) for Jul 2022	PLF (%) For Jul 2022	Cumulative Generation in MUs upto Jul 2022 for the year 2022-23	Cumulative Availability in % upto Jul 2022 for the year 2022-23
RPH	135	-0.124	--	--	-0.488	--
GT	270	24.813	30.97	13.25	106.297	31.14
PPCL	330	129.444	95.31	54.65	552.37	94.58
Bawana	1372	206.265	94.11	2067	1071.18	93.03
Towmcl	16	11.469	--	--	46.475	--
EDWPCL	10	1.201	--	--	0.826	--
DMSWL	24	11.059	--	--	45.834	--
TOTAL	2936	384.127	--	--	1822.49	--

3 DETAILS OF OUTAGES OF GENERATING STNS. WITHIN DELHI FOR JULY 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	01.07.22	00.00	18.07.22	09.55	Unit under shutdown due to low demand
		18.07.22	18.26	21.07.22	16.40	Unit under shutdown due to low demand
2	30	NIL				
3	30	NIL				
4	30	NIL				
5	30	NIL				
6	30	01.07.22	09.40	01.07.22	14.02	Unit tripped due to monkey jump at 66 kv switchyard near Bay no. 3
		21.07.22	19.00	31.07.22	23.59	Unit under shutdown due to low demand
STG-1	30	01.07.22	00.00	21.07.22	18.30	Unit under shutdown due to low demand
		21.07.22	21.05	21.07.22	23.50	STG tripped due to relay operated
STG-2	30	NIL				
STG-3	30	01.07.22	09.40	01.07.22	16.35	Unit tripped due to monkey jump at 66 kv switchyard near Bay no. 3
		21.07.22	19.00	31.07.22	23.59	Unit under shutdown due to low demand

(C) PRAGATI

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	104	01.07.22	00.00	06.07.22	07.01	Unit stopped due to low demand.
		12.07.22	17.00	31.07.22	23.59	
2	104	06.07.22	10.29	06.07.22	14.45	Unit tripped on internal fault
STG	122	NIL				

(D) BAWANA CCGT POWER STATION

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	216	NIL				
2	216	NIL				
3	216	NIL				
4	216	NIL				
STG -1	254	NIL				
STG -2	254	NIL				

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	MES	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		
Kahalgaon-I(From ER)	840	6.07	50.99	22	13	16	0	0		
Kahalgaon-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	MES	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	14.46
Total in MW	33445		7540	3078	1700	2371	326	45	1	14.46

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	MES	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										
NTPC STATIONS										
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
NHPC (HYDRO)										
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		
Dhaulti 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	MES	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	200.0
Total	33445		7540	40.83	22.55	31.45	4.33	0.60	0.01	0.19

**POWER AVAILABILITY-DEMAND POSITION AT THE TIME OF PEAK DEMAND
MET DURING JULY 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	14.45.27	28	151	274	18	0	18	489	4863	4916	-53	5352	0	5352
2	23.11.41	36	152	307	18	5	19	537	5148	5235	-87	5685	0	5685
3	23.00.43	37	153	306	17	4	17	534	5407	5403	4	5941	0	5941
4	23.23.07	36	150	298	17	4	7	513	6116	6174	-58	6629	0	6629
5	15.08.26	34	145	272	17	5	7	480	6545	6246	299	7025	0	7025
6	15.06.15	34	197	270	18	4	7	530	6839	6572	267	7369	0	7369
7	15.14.45	34	267	296	17	4	16	633	6727	6793	-66	7360	0	7360
8	15.33.37	34	261	295	17	5	17	628	6889	6746	143	7517	0	7517
9	00.00.39	35	260	300	15	5	16	632	6571	6370	201	7203	0	7203
10	23.15.38	36	262	271	17	0	17	604	5567	5661	-94	6171	0	6171
11	23.15.28	36	261	297	17	0	17	629	5912	5959	-47	6541	0	6541
12	00.00.38	37	262	298	18	0	16	630	5700	5655	45	6330	0	6330
13	15.12.29	35	146	271	15	0	16	483	5875	5746	129	6358	0	6358
14	13.57.26	34	145	262	15	0	16	472	5869	5702	167	6341	0	6341
15	23.15.49	36	149	302	18	0	17	522	6314	6316	-2	6836	0	6836
16	00.02.11	36	149	301	17	0	18	521	6164	6064	100	6685	0	6685
17	22.46.30	37	152	273	15	1	8	485	5610	5899	-289	6095	0	6095
18	23.15.45	36	149	301	14	0	16	516	6414	6843	-429	6930	0	6930
19	23.00.30	36	150	303	17	3	17	527	6306	6266	40	6833	0	6833
20	00.00.01	36	150	305	16	3	19	529	6044	6047	-3	6573	0	6573
21	23.00.00	28	153	270	18	5	18	492	5329	5435	-106	5821	0	5821
22	14.59.30	37	151	269	17	2	19	495	5228	5223	5	5723	0	5723
23	23.19.16	37	152	271	18	0	19	498	5044	5024	20	5542	0	5542
24	23.03.49	38	152	269	18	0	18	495	5195	5120	75	5690	0	5690
25	15.44.00	36	148	272	19	0	16	491	5366	5292	74	5857	0	5857
26	23.02.16	38	154	287	17	-1	16	511	5401	5374	27	5912	0	5912
27	15.11.27	36	149	271	16	0	6	478	5512	5501	11	5990	0	5990
28	14.42.57	36	150	273	17	2	7	486	5263	5187	76	5749	0	5749
29	15.25.51	39	153	271	18	0	7	487	5047	5246	-199	5534	0	5534
30	23.00.50	38	154	288	17	0	16	513	4502	4526	-24	5015	0	5015
31	23.05.57	38	154	271	18	0	16	497	4607	4679	-72	5104	0	5104

POWER AVAILABILITY- DEMAND POSITION AT THE TIME OF MAXIMUM UNRESTRICTED DEMAND DURING JULY 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	14.45.27	28	151	274	18	0	18	489	4863	4916	-53	5352	0	5352
2	23.11.41	36	152	307	18	5	19	537	5148	5235	-87	5685	0	5685
3	23.00.43	37	153	306	17	4	17	534	5407	5403	4	5941	0	5941
4	23.23.07	36	150	298	17	4	7	513	6116	6174	-58	6629	0	6629
5	15.08.26	34	145	272	17	5	7	480	6545	6246	299	7025	0	7025
6	15.06.15	34	197	270	18	4	7	530	6839	6572	267	7369	0	7369
7	15.14.45	34	267	296	17	4	16	633	6727	6793	-66	7360	0	7360
8	15.33.37	34	261	295	17	5	17	628	6889	6746	143	7517	0	7517
9	00.00.39	35	260	300	15	5	16	632	6571	6370	201	7203	0	7203
10	23.15.38	36	262	271	17	0	17	604	5567	5661	-94	6171	0	6171
11	23.15.28	36	261	297	17	0	17	629	5912	5959	-47	6541	0	6541
12	00.00.38	37	262	298	18	0	16	630	5700	5655	45	6330	0	6330
13	15.12.29	35	146	271	15	0	16	483	5875	5746	129	6358	0	6358
14	13.57.26	34	145	262	15	0	16	472	5869	5702	167	6341	0	6341
15	23.15.49	36	149	302	18	0	17	522	6314	6316	-2	6836	0	6836
16	00.02.11	36	149	301	17	0	18	521	6164	6064	100	6685	0	6685
17	22.46.30	37	152	273	15	1	8	485	5610	5899	-289	6095	0	6095
18	23.15.45	36	149	301	14	0	16	516	6414	6843	-429	6930	0	6930
19	23.00.30	36	150	303	17	3	17	527	6306	6266	40	6833	0	6833
20	00.00.01	36	150	305	16	3	19	529	6044	6047	-3	6573	0	6573
21	23.00.00	28	153	270	18	5	18	492	5329	5435	-106	5821	0	5821
22	14.59.30	37	151	269	17	2	19	495	5228	5223	5	5723	0	5723
23	23.19.16	37	152	271	18	0	19	498	5044	5024	20	5542	0	5542
24	23.03.49	38	152	269	18	0	18	495	5195	5120	75	5690	0	5690
25	15.44.00	36	148	272	19	0	16	491	5366	5292	74	5857	0	5857
26	23.02.16	38	154	287	17	-1	16	511	5401	5374	27	5912	0	5912
27	15.11.27	36	149	271	16	0	6	478	5512	5501	11	5990	0	5990
28	14.42.57	36	150	273	17	2	7	486	5263	5187	76	5749	0	5749
29	15.25.51	39	153	271	18	0	7	487	5047	5246	-199	5534	0	5534
30	23.00.50	38	154	288	17	0	16	513	4502	4526	-24	5015	0	5015
31	23.05.57	38	154	271	18	0	16	497	4607	4679	-72	5104	0	5104

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

(ALL FIGURES IN MUS)

GENERATION WITHIN DELHI	AVAILABILITY	SCHEDULE
Rajghat Power House	0.000	0.000
Gas Turbine	60.354	25.814
Pragati-I	226.984	130.146
Pragati-III (Bawana)	933.720	205.549
Rithala	0.000	0.000
Badarpur	0.000	0.000
Renewable (include WTE)	21.961	21.961
TOTAL DELHI GEN.	1243.020	383.470

NAME OF STATION	AVAILABILITY	SCHEDULE
SINGRAULI STPS	96.883	97.207
RIHAND STPS	63.177	0.000
DADRI TPS	534.531	62.513
UNCHAHAR-I TPS	15.677	11.377
UNCHAHAR-II TPS	31.793	23.961
ANTA GPP-GF	30.501	0.000
ANTA GPP-LF	0.000	0.043
ANTA GPP-RF	0.000	0.003
ANTA CRF	0.000	0.000
AURAIYA GPP-GF	48.506	0.000
AURAIYA GPP-LF	0.000	0.000
AURAIYA GPP-RF	0.000	0.134
AURAIYA CRF	0.000	0.000
DADRI GPP-GF	63.309	0.000
DADRI GPP-LF	0.000	0.002
DADRI GPP-RF	0.000	0.635
DADRI CRF	0.000	0.021
BAIRASIUL HEP	6.604	6.604
SALAL HEP	56.527	56.527
TANAKPUR HEP	7.709	7.709
CHAMERA HEP	29.420	29.420
URI HEP	36.491	36.491
NATHPA JHAKRI HEP	110.241	110.241
CHAMERA HEP-II	27.374	27.374
RIHAND-II STPS	92.034	87.129
DHAULIGANGA HEP	26.088	26.088
TEHRI HEP	12.894	12.894
UNCHAHAR-III TPS	20.549	15.433
DULHASTI HEP	31.541	31.541

NAME OF STATION	AVAILABILITY	SCHEDULE
DADRI II	508.446	121.087
SEWA-II	9.309	9.309
jhajjar	112.207	341.694
NAPP	27.619	27.619
RAPP C	37.590	37.590
RAPPB_4 C	0.000	0.000
KOTESWAR	8.659	8.659
SASAN	281.665	281.532
CHAMERA III	20.056	20.056
RIHAND3	96.351	91.275
KAHALGAON1	31.947	26.161
KAHALGAON2	113.910	93.958
TALA	18.472	18.472
FARAKA	10.416	10.416
URI 2 HEP	23.564	23.564
Parvati3	19.572	19.572
Koldam	0.000	0.000
SINGRAULI SHEP	0.505	0.505
UNCHAHAR - IV TPS	0.000	0.000
TALCHER (BTPS)	13.236	0.000
Nabinagar STPS(BRBCL)	2.783	8.363
ISGS	2678.153	1783.178
LTA	753.758	753.758
TOTAL (ISGS + LTA)	3431.911	2536.936
TOTAL AVAILABILITY	4674.931	2920.406
BILATERAL PURCHASE	1286.129	1286.129

8. SHEDDING DETAILS DURING THE MONTH OF JULY 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
01.07.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
02.07.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
03.07.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
04.07.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
05.07.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
06.07.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
07.07.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
08.07.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
09.07.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10.07.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11.07.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12.07.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
13.07.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14.07.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15.07.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
16.07.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17.07.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
18.07.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
19.07.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20.07.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
21.07.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22.07.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
23.07.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
24.07.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25.07.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
26.07.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27.07.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
28.07.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
29.07.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30.07.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
31.07.22	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

ALL FIGURES IN MUs

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		TPDDL	BSES		TPDDL	NDMC		
	BYPL	BRPL			BYPL	BRPL		BYPL	BRPL				
1	13	14	15	16	17	18	19	20	21	22	23	24=8 to 23	25=7+24
01.07.22	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
02.07.22	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
03.07.22	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
04.07.22	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
05.07.22	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
06.07.22	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
07.07.22	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
08.07.22	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
09.07.22	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
10.07.22	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
11.07.22	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
12.07.22	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
13.07.22	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
14.07.22	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
15.07.22	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
16.07.22	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
17.07.22	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
18.07.22	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
19.07.22	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
20.07.22	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
21.07.22	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
22.07.22	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
23.07.22	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
24.07.22	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
25.07.22	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
26.07.22	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
27.07.22	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
28.07.22	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
29.07.22	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
30.07.22	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
31.07.22	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

ALL FIGURES IN MUs

Date	DUE TO T&D CONSTRAINTS IN DELHI SYSTEM								
	DTL					DISCOMS			
	BSES		TPDDL	NDMC	MES	BSES		TPDDL	NDMC
	BYPL	BRPL				BYPL	BRPL		
1	26	27	28	29	30	31	32	33	34
01.07.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
02.07.22	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.000
03.07.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000
04.07.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
05.07.22	0.000	0.000	0.024	0.000	0.000	0.000	0.000	0.001	0.000
06.07.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
07.07.22	0.000	0.027	0.015	0.000	0.000	0.010	0.000	0.004	0.000
08.07.22	0.000	0.000	0.020	0.000	0.000	0.000	0.000	0.000	0.000
09.07.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10.07.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11.07.22	0.000	0.009	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12.07.22	0.000	0.006	0.000	0.000	0.000	0.000	0.000	0.000	0.000
13.07.22	0.000	0.000	0.014	0.000	0.000	0.000	0.000	0.000	0.000
14.07.22	0.014	0.010	0.049	0.000	0.000	0.000	0.000	0.000	0.000
15.07.22	0.000	0.015	0.000	0.000	0.000	0.000	0.000	0.000	0.000
16.07.22	0.000	0.000	0.020	0.000	0.000	0.000	0.000	0.000	0.000
17.07.22	0.014	0.006	0.000	0.000	0.000	0.000	0.000	0.000	0.000
18.07.22	0.000	0.064	0.000	0.000	0.000	0.000	0.000	0.000	0.000
19.07.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000
20.07.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.007	0.000
21.07.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22.07.22	0.000	0.009	0.000	0.000	0.000	0.000	0.000	0.000	0.000
23.07.22	0.000	0.000	0.002	0.000	0.000	0.004	0.000	0.012	0.000
24.07.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25.07.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
26.07.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.000
27.07.22	0.000	0.011	0.000	0.000	0.000	0.000	0.000	0.000	0.000
28.07.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
29.07.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30.07.22	0.000	0.006	0.000	0.000	0.000	0.002	0.000	0.000	0.000
31.07.22	0.002	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TOTAL	0.029	0.163	0.146	0.000	0.000	0.017	0.000	0.029	0.000

ALL FIGURES IN MUS

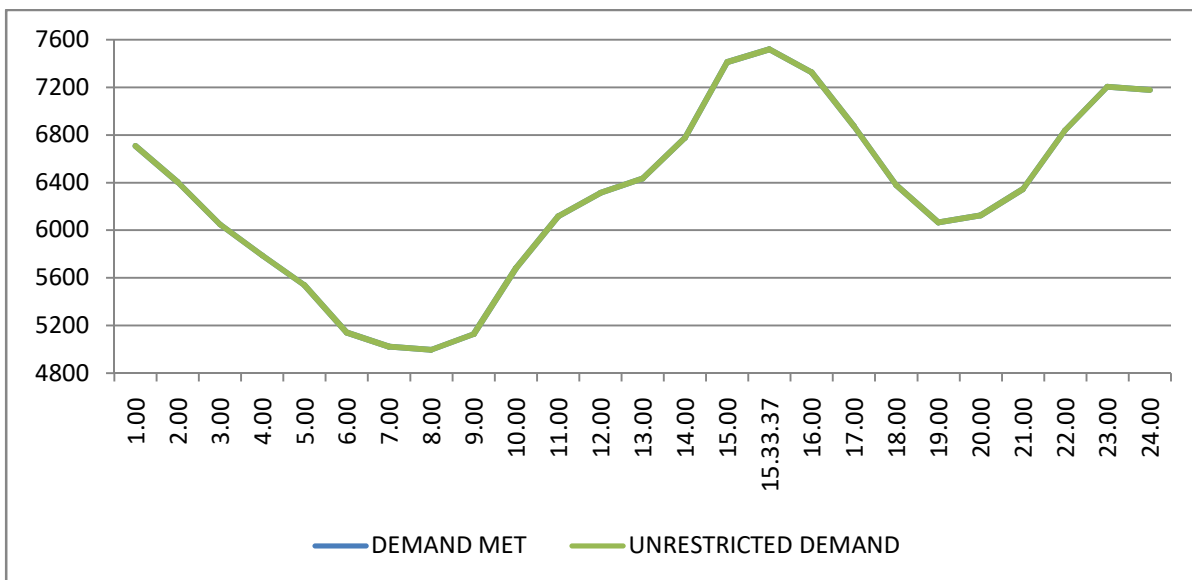
DATE	OTHER AGENCIES LIKE GENCO, BBMB, BTPS ETC.				THEFT PRONE SHEDDING			TOTAL SHEDDING DUE TO T&D CONSTS. & THEFT PRONE	GRAND TOTAL
	BSES		TPDDL	NDMC	BSES		TPDDL		
	BYPL	BRPL			BYPL	BRPL			
1	35	36	37	38	39	40	41	42= 26 to 41	43 = 25 + 42
01.07.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0001	0.0001
02.07.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0013	0.0013
03.07.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0006	0.0006
04.07.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0000	0.0000
05.07.22	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.0263	0.0263
06.07.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0000	0.0000
07.07.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0564	0.0564
08.07.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0205	0.0205
09.07.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0000	0.0000
10.07.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0000	0.0000
11.07.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0090	0.0090
12.07.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0064	0.0064
13.07.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0139	0.0139
14.07.22	0.001	0.004	0.000	0.000	0.000	0.000	0.000	0.0776	0.0776
15.07.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0147	0.0147
16.07.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0199	0.0199
17.07.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0197	0.0197
18.07.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0639	0.0639
19.07.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0006	0.0006
20.07.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0071	0.0071
21.07.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0000	0.0000
22.07.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0092	0.0092
23.07.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0173	0.0173
24.07.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0000	0.0000
25.07.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0000	0.0000
26.07.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0029	0.0029
27.07.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0106	0.0106
28.07.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0002	0.0002
29.07.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0000	0.0000
30.07.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0083	0.0083
31.07.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0019	0.0019
TOTAL	0.001	0.004	0.001	0.000	0.000	0.000	0.000	0.3881	0.3881

DATE	(NET CONS.)	MAXI. DEMAND MET DURING THE DAY	TIME OF OCCURRENCE OF MAX DEMAND	SHEDDING AT THIS TIME	UN-RESTRICTED DEMAND	MAXIMUM UN-RESTRICTED DEMAND DURING THE DAY	TIME OF MAX. UN-REST. DEMAND	DEMAND AT THAT TIME	SHEDDING AT THAT TIME
	In Mus.	IN MW	IN HRS.	IN MW	IN MW	IN MW	HRS.	IN MW	IN MW
1	32	33	34	35	36=33+35	37=39+40	38	39	40
01.07.22	114.305	5352	14:45:27	0	5352	5352	14:45:27	5352	0
02.07.22	112.876	5684	23:11:41	0	5684	5684	23:11:41	5684	0
03.07.22	114.463	5941	23:00:43	0	5941	5941	23:00:43	5941	0
04.07.22	130.689	6629	23:23:07	0	6629	6629	23:23:07	6629	0
05.07.22	140.26	7025	15:08:26	0	7025	7025	15:08:26	7025	0
06.07.22	146.158	7369	15:06:15	0	7369	7369	15:06:15	7369	0
07.07.22	149.801	7360	15:14:45	0	7360	7360	15:14:45	7360	0
08.07.22	152.248	7517	15:33:37	0	7517	7517	15:33:37	7517	0
09.07.22	137.591	7203	0:00:39	0	7203	7203	0:00:39	7203	0
10.07.22	123.154	6171	23:15:38	0	6171	6171	23:15:38	6171	0
11.07.22	130.948	6541	23:15:28	0	6541	6541	23:15:28	6541	0
12.07.22	127.643	6330	0:00:38	0	6330	6330	0:00:38	6330	0
13.07.22	126.374	6358	15:12:29	0	6358	6358	15:12:29	6358	0
14.07.22	133.382	6341	13:57:26	0	6341	6341	13:57:26	6341	0
15.07.22	136.585	6836	23:15:49	0	6836	6836	23:15:49	6836	0
16.07.22	125.19	6685	0:02:11	0	6685	6685	0:02:11	6685	0
17.07.22	114.073	6095	22:46:30	0	6095	6095	22:46:30	6095	0
18.07.22	135.146	6930	23:15:45	0	6930	6930	23:15:45	6930	0
19.07.22	141.73	6833	23:00:30	0	6833	6833	23:00:30	6833	0
20.07.22	132.933	6573	0:00:01	0	6573	6573	0:00:01	6573	0
21.07.22	117.764	5821	23:00:00	0	5821	5821	23:00:00	5821	0
22.07.22	121.734	5723	14:59:30	0	5723	5723	14:59:30	5723	0
23.07.22	116.215	5542	23:19:06	0	5542	5542	23:19:06	5542	0
24.07.22	113.998	5690	23:03:49	0	5690	5690	23:03:49	5690	0
25.07.22	120.981	5857	15:44:00	0	5857	5857	15:44:00	5857	0
26.07.22	119.994	5912	23:02:16	0	5912	5912	23:02:16	5912	0
27.07.22	124.72	5990	15:11:27	0	5990	5990	15:11:27	5990	0
28.07.22	118.346	5749	14:42:57	0	5749	5749	14:42:57	5749	0
29.07.22	115.599	5534	15:25:51	0	5534	5534	15:25:51	5534	0
30.07.22	107.631	5015	23:00:50	0	5015	5015	23:00:50	5015	0
31.07.22	103.826	5104	23:05:57	0	5104	5104	23:05:57	5104	0
TOTAL	3906.357	7517							
		08.07.22							

9. **LOAD PATTERN OF DELHI ON THE DAY OF PEAK DEMAND MET DURING JULY 2022 ON 08.07.2022 - 7517 MW AT 15.33.37HRS.**

All figures in MW

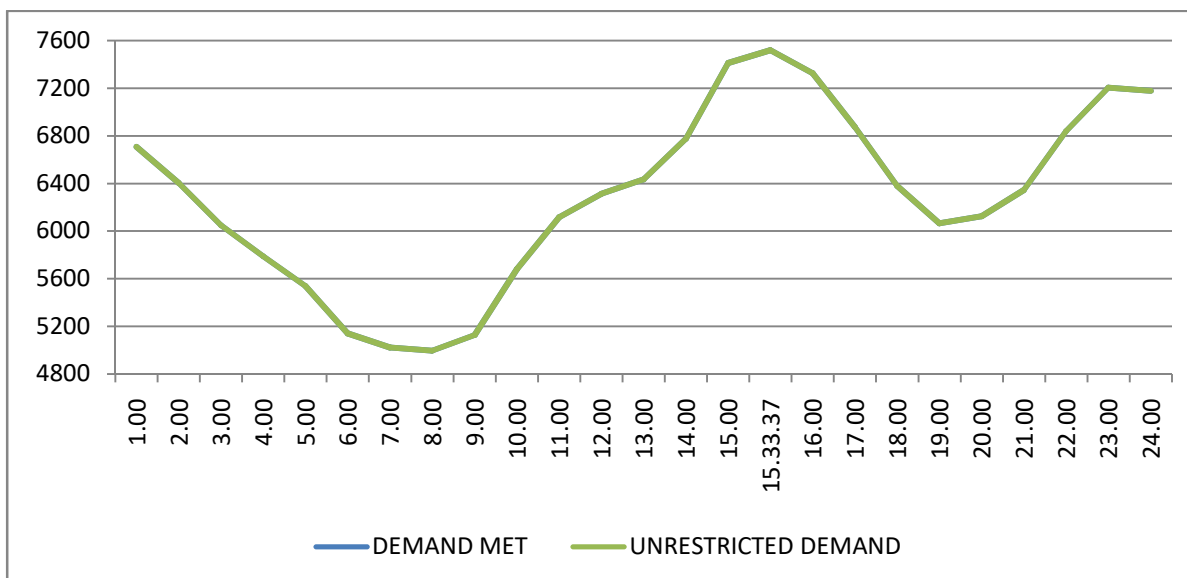
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	6708	0	6708
2.00	6404	0	6404
3.00	6048	0	6048
4.00	5789	0	5789
5.00	5538	0	5538
6.00	5140	0	5140
7.00	5021	0	5021
8.00	4996	0	4996
9.00	5128	0	5128
10.00	5681	0	5681
11.00	6116	0	6116
12.00	6313	0	6313
13.00	6432	0	6432
14.00	6773	0	6773
15.00	7411	0	7411
15.33.37	7517	0	7517
16.00	7324	0	7324
17.00	6873	0	6873
18.00	6378	0	6378
19.00	6066	0	6066
20.00	6125	0	6125
21.00	6344	0	6344
22.00	6838	0	6838
23.00	7203	0	7203
24.00	7178	0	7178
Total (IN MUS)	152.309	0.020	152.329



10 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UN-RESTRICTED DEMAND DURING JULY 2022 ON 08.07.2022 - 7517MW AT 15.33.37HRS.

All figures in MW

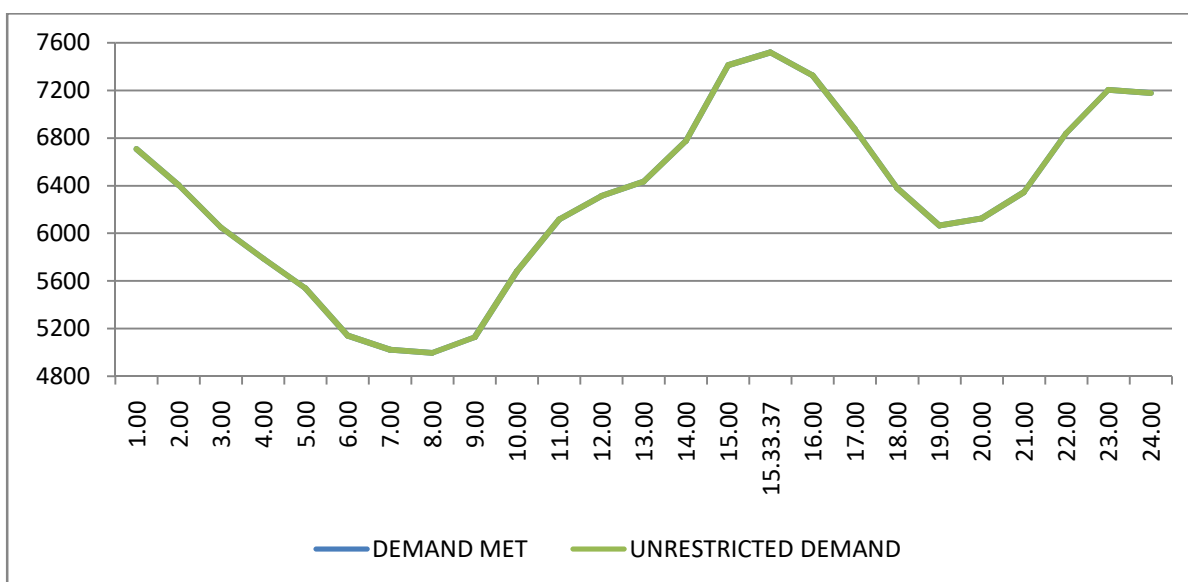
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	6708	0	6708
2.00	6404	0	6404
3.00	6048	0	6048
4.00	5789	0	5789
5.00	5538	0	5538
6.00	5140	0	5140
7.00	5021	0	5021
8.00	4996	0	4996
9.00	5128	0	5128
10.00	5681	0	5681
11.00	6116	0	6116
12.00	6313	0	6313
13.00	6432	0	6432
14.00	6773	0	6773
15.00	7411	0	7411
15.33.37	7517	0	7517
16.00	7324	0	7324
17.00	6873	0	6873
18.00	6378	0	6378
19.00	6066	0	6066
20.00	6125	0	6125
21.00	6344	0	6344
22.00	6838	0	6838
23.00	7203	0	7203
24.00	7178	0	7178
Total (IN MUS)	152.309	0.020	152.329



11 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM ENERGY CONSUMED DURING JULY 2022 – 08.07.2022 – 152.309 Mus

All figures in MW

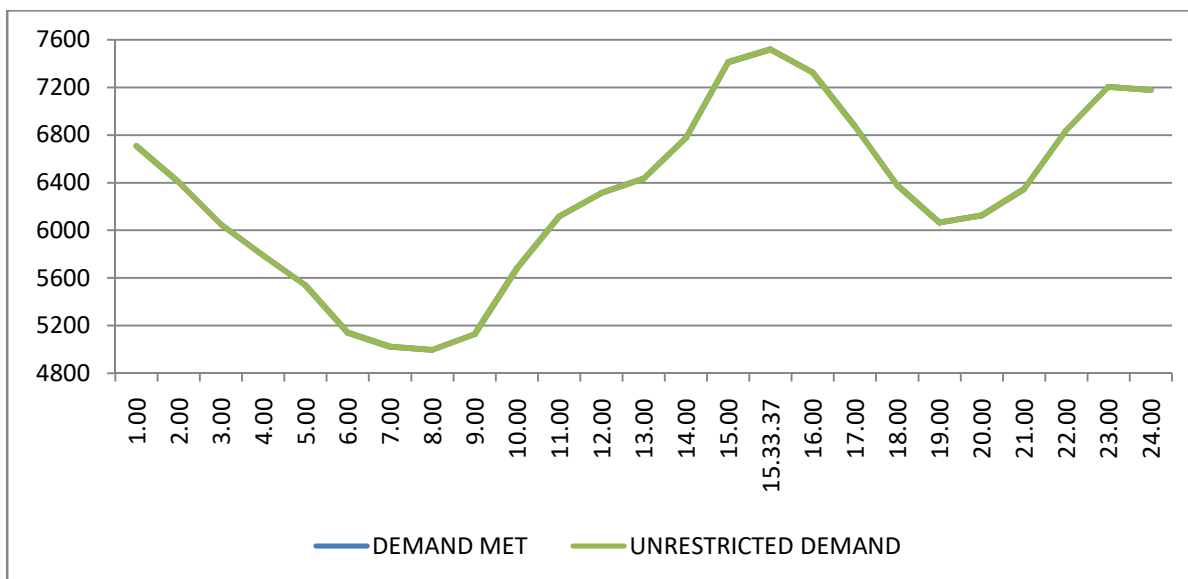
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	6708	0	6708
2.00	6404	0	6404
3.00	6048	0	6048
4.00	5789	0	5789
5.00	5538	0	5538
6.00	5140	0	5140
7.00	5021	0	5021
8.00	4996	0	4996
9.00	5128	0	5128
10.00	5681	0	5681
11.00	6116	0	6116
12.00	6313	0	6313
13.00	6432	0	6432
14.00	6773	0	6773
15.00	7411	0	7411
15.33.37	7517	0	7517
16.00	7324	0	7324
17.00	6873	0	6873
18.00	6378	0	6378
19.00	6066	0	6066
20.00	6125	0	6125
21.00	6344	0	6344
22.00	6838	0	6838
23.00	7203	0	7203
24.00	7178	0	7178
Total (IN MUS)	152.309	0.020	152.329



12 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UNRESTRICTED ENERGY DEMAND DURING JULY 2022 - ON 08.07.2022- 152.329-MUs

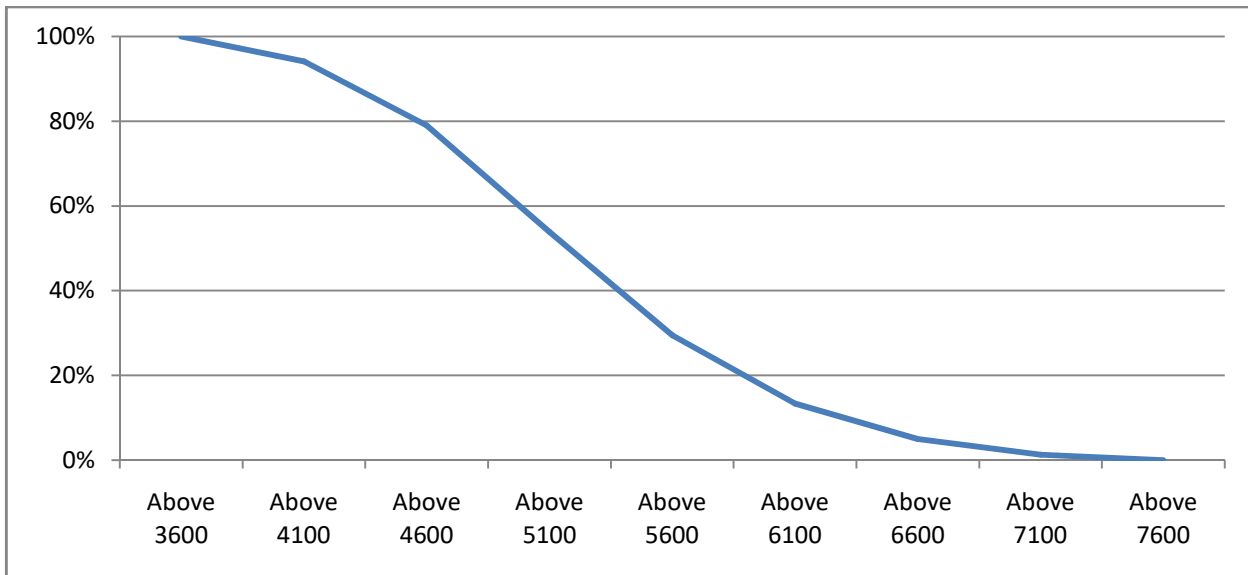
All figures in MW

Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	6708	0	6708
2.00	6404	0	6404
3.00	6048	0	6048
4.00	5789	0	5789
5.00	5538	0	5538
6.00	5140	0	5140
7.00	5021	0	5021
8.00	4996	0	4996
9.00	5128	0	5128
10.00	5681	0	5681
11.00	6116	0	6116
12.00	6313	0	6313
13.00	6432	0	6432
14.00	6773	0	6773
15.00	7411	0	7411
15.33.37	7517	0	7517
16.00	7324	0	7324
17.00	6873	0	6873
18.00	6378	0	6378
19.00	6066	0	6066
20.00	6125	0	6125
21.00	6344	0	6344
22.00	6838	0	6838
23.00	7203	0	7203
24.00	7178	0	7178
Total (IN MUS)	152.309	0.020	152.329



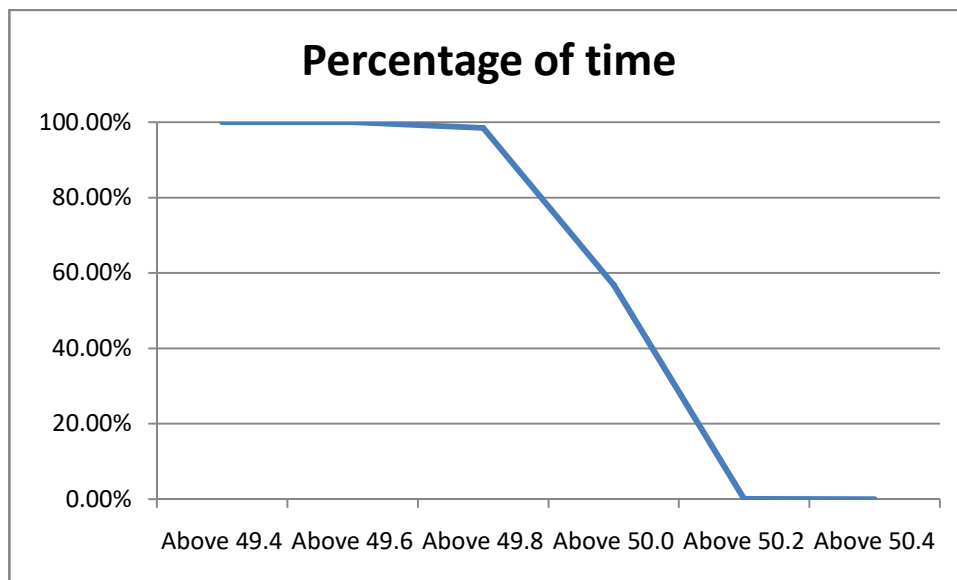
13 LOAD DURATION CURVE FOR JULY 2022

LOAD REMAINED ABOVE IN MW	(%) OF TIME
Above 3600	100%
Above 4100	94.09%
Above 4600	79.00%
Above 5100	53.83%
Above 5600	29.47%
Above 6100	13.34%
Above 6600	4.94%
Above 7100	1.28%
Above 7600	0.00%



14 FREQUENCY ANALYSIS FOR THE MONTH OF JULY 2022

FREQUENCY REMAINED ABOVE IN HZ	(%) OF TIME
Above 49.4	100.00%
Above 49.6	99.97%
Above 49.8	98.45%
Above 50.0	56.82%
Above 50.2	0.13%
Above 50.4	0.00%



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

All figures in kV

Date	NARELA		GAZIPUR	
	Max	Min	Max	Min
01.07.22	224.50	215.30	229.61	222.00
02.07.22	226.00	216.09	233.19	219.62
03.07.22	224.84	215.52	231.57	219.53
04.07.22	224.29	213.86	228.91	217.56
05.07.22	224.33	211.47	230.24	218.73
06.07.22	222.44	210.45	229.17	218.35
07.07.22	222.91	208.84	229.85	216.33
08.07.22	223.72	208.06	228.65	215.99
09.07.22	224.33	215.07	231.59	221.77
10.07.22	226.10	214.77	234.54	221.85
11.07.22	223.81	213.78	230.28	216.44
12.07.22	224.59	215.77	229.07	217.60
13.07.22	224.75	214.57	229.36	217.15
14.07.22	224.50	215.39	232.00	216.40
15.07.22	225.92	212.92	232.09	216.70
16.07.22	225.21	214.05	233.27	219.60
17.07.22	226.90	214.05	234.80	221.23
18.07.22	223.10	212.15	229.72	216.86
19.07.22	222.27	210.81	227.13	215.54
20.07.22	224.43	216.27	230.10	221.10
21.07.22	225.84	217.88	232.61	222.05
22.07.22	224.62	216.29	235.37	222.65
23.07.22	227.84	217.31	236.05	223.04
24.07.22	226.33	216.75	235.77	223.02
25.07.22	225.29	216.08	231.72	220.93
26.07.22	225.87	214.27	233.19	221.61
27.07.22	223.89	214.05	232.83	217.48
28.07.22	226.23	214.51	231.74	218.70
29.07.22	225.41	215.50	234.05	220.28
30.07.22	227.25	218.44	235.13	223.40
31.07.22	228.19	219.24	237.01	226.85

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

All figures in kV

Date	400kV Bamnauli Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01.07.22	415.57	3:59:31	397.35	22:11:24	406.02
02.07.22	397.37	0:49:09	397.37	0:49:09	397.37
03.07.22	397.37	0:50:34	397.37	0:50:34	397.37
04.07.22	409.63	18:05:14	391.97	22:06:51	398.98
05.07.22	413.37	7:03:28	393.59	22:12:05	403.5
06.07.22	412.52	17:32:06	394.8	0:03:22	404.43
07.07.22	413.52	7:03:30	390.83	14:44:16	402.53
08.07.22	412.56	8:00:45	390.35	14:08:01	402.12
09.07.22	415.39	7:04:50	395.83	22:51:23	405.89
10.07.22	417.21	7:03:13	397.94	22:33:44	408.48
11.07.22	412.56	6:02:00	397.72	10:16:54	404.89
12.07.22	414.52	7:10:00	401.66	0:14:06	406.05
13.07.22	409.9	18:15:01	393.56	22:36:01	402.43
14.07.22	414.9	7:03:02	399.09	22:31:14	406.84
15.07.22	415.55	8:01:17	392.84	22:40:53	405.39
16.07.22	415.89	7:04:55	393.62	11:23:52	408.1
17.07.22	405.26	0:10:16	405.26	0:10:16	405.26
18.07.22	409.29	17:08:10	392.77	14:30:11	402.62
19.07.22	412.7	18:35:32	392.79	12:21:31	403.81
20.07.22	417.26	17:16:09	399.51	10:27:07	407.38
21.07.22	418.69	5:16:40	399.98	22:33:01	409.35
22.07.22	413.87	7:06:32	398	14:28:38	406.35
23.07.22	417.5	6:03:29	402.18	23:09:16	409.09
24.07.22	418.24	5:07:22	401.87	22:29:19	411.05
25.07.22	416.13	3:30:03	398.42	14:54:54	408.36
26.07.22	417.22	4:01:21	397.66	14:49:11	407.92
27.07.22	415.77	4:03:39	394.24	12:14:23	406.31
28.07.22	417.12	4:04:45	397.68	12:21:29	407.36
29.07.22	417.13	5:07:37	397.69	10:29:02	408.95
30.07.22	419.95	3:41:11	401.42	12:14:24	410.86
31.07.22	420.33	3:20:22	402.15	22:08:36	411.43

All figures in kV

Date	400kV Bawana Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01.07.22	410.51	6:04:56	393.86	22:18:02	402.81
02.07.22	411.44	7:48:24	394.85	22:30:51	402.64
03.07.22	411.41	6:36:26	393.05	22:08:54	403.3
04.07.22	408.07	3:59:12	390.79	11:55:05	399.41
05.07.22	407.99	7:03:23	389.27	12:24:29	397.91
06.07.22	405.22	7:02:16	385.69	14:25:58	396.01
07.07.22	408.72	7:12:49	386.4	23:35:58	395.67
08.07.22	405.6	6:24:09	383.55	14:08:05	394.43
09.07.22	407.82	7:02:25	391.65	22:51:01	398.94
10.07.22	411.44	7:03:13	388.74	22:56:42	400.98
11.07.22	406.97	6:33:06	388.65	11:44:02	396.25
12.07.22	408.86	7:30:16	389.94	22:24:12	398.98
13.07.22	409.51	7:20:45	388.35	22:35:55	397.7
14.07.22	404.72	7:02:19	391.18	10:23:00	398.71
15.07.22	407.72	7:26:25	386.81	22:40:34	397.27
16.07.22	412.37	18:31:19	0	7:43:48	329
17.07.22	414.74	6:10:33	391.99	23:12:19	403.95
18.07.22	409.14	6:02:56	385.35	14:28:38	398.03
19.07.22	405.18	7:02:12	382.8	12:20:36	397.36
20.07.22	410.88	7:22:24	391.88	11:32:57	402.02
21.07.22	413.44	7:01:39	394.2	14:18:42	403.56
22.07.22	413.53	6:59:59	392.47	14:25:01	401.78
23.07.22	411.37	6:03:55	388.04	11:39:30	399.22
24.07.22	409.18	7:04:13	389.64	12:45:26	400.08
25.07.22	407.5	6:28:37	387.25	11:51:18	398.15
26.07.22	407.54	7:02:15	385.78	12:12:27	398.51
27.07.22	405.6	7:01:15	388.8	12:08:57	398.41
28.07.22	407.51	18:00:49	388.93	12:19:58	400.2
29.07.22	414.65	5:17:56	395.6	11:55:25	405.76
30.07.22	415.29	3:35:41	398.34	14:28:32	407.13
31.07.22	414.66	6:04:08	400.91	11:49:15	408.37

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

SL N O	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
1	01.07.22	9:48	PRAGATI 220/66kv 160MVA Tx-II	01.07.22	12:40	E/F.
2	01.07.22	9:48	PRAGATI 220/66kv 160MVA Tx-I	01.07.22	14:40	E/F.
3	02.07.22	20:05	KANJHAWALA 220/66kv 100MVA Tx-I	02.07.22	22:12	195, RYB PHASE.
4	02.07.22	20:05	KANJHAWALA 220/66kv 100MVA Tx-II	03.07.22	5:46	RYB PHASE, E/F.
5	05.07.22	10:58	WAZIRPUR 220/33kv 100MVA Tx-II	05.07.22	13:21	86A&B
6	07.07.22	12:58	NARAINA 220/33kv 100MVA Tx-III	07.07.22	13:27	BUS BAR PROT. RELAY OPERATED.
7	07.07.22	12:58	NARAINA 220/33kv 100MVA Tx-II	07.07.22	13:27	BUS BAR PROT. OPERATED.
8	07.07.22	17:12	SUBZI MANDI 33/11kv, 16MVA Tx-I	07.07.22	17:30	MASTER RELAY 86, DIFFERENTIAL.
9	07.07.22	17:12	SUBZI MANDI 33/11kv, 16MVA Tx-II	07.07.22	17:40	MASTER RELAY 86, DIFFERENTIAL.
10	08.07.22	11:54	KANJHAWALA 220/66kv 160MVA Tx-I	08.07.22	12:37	86
11	08.07.22	11:54	KANJHAWALA 220/66kv 100MVA Tx-II	08.07.22	12:37	O/C, RYB PHASE.
12	08.07.22	11:54	BAWANA 400/220kv 315MVA ICT-III	08.07.22	13:07	DIRECTIONAL EARTH FAULT, 86AI & 86BI
13	08.07.22	11:54	KANJHAWALA 220/66kv 100MVA Tx-I	08.07.22	12:37	86
14	08.07.22	14:08	220kv WAZIRABAD - KASHMEREGATE CKT-II	08.07.22	16:30	AT KASHMIRI GATE : 186, R PHASE TRIP, DIST PROT, DIST : 4.610KM.
15	08.07.22	16:22	GEETA COLONY 220/33kv 100MVA Tx-II	08.07.22	17:05	33kv I/C-II tripped on O/C & 86
16	08.07.22	16:22	GEETA COLONY 220/33kv 100MVA Tx-I	09.07.22	1:20	Tr. tripped on E/F, O/C & 86. 33kv I/C-I tripped on O/C & E/F.
17	09.07.22	10:23	NARELA 220/66kv 100MVA Tx-III	09.07.22	10:50	86
18	11.07.22	16:30	LODHI RD 220/33kv 100MVA Tx-I	11.07.22	21:43	TRIPPED WITHOUT INDICATION.
19	13.07.22	12:50	220kv BAWANA-DSIIDC BAWANA CKT-II	13.07.22	18:20	AT DSIDC BAWANA : DIST PROT, ZONE-I, 86ABC.
20	13.07.22	12:50	220kv BAWANA-DSIIDC BAWANA CKT-I	13.07.22	17:41	AT DSIDC BAWANA : B PHASE JUMPER SNAPPED.
21	13.07.22	18:15	220kv WAZIRABAD-GEETA COLONY CKT-I	13.07.22	18:47	AT WAZIRABAD : DIST PROT, ZONE-I, DIST 240.5MTS, R&Y PHASE. 86.
22	14.07.22	8:56	220kv WAZIRABAD-GEETA COLONY CKT-II	14.07.22	9:24	AT WAZIRABAD : BUS BAR PROT OPERATED.
23	14.07.22	8:56	220KV WAZIRABAD - MANDOLA CKT-I	14.07.22	9:20	AT WAZIRABAD : BUS BAR PROT, OPERATED.
24	14.07.22	8:56	220KV WAZIRABAD - MANDOLA CKT- III	14.07.22	9:20	AT WAZIRABAD : BUS BAR PROT OPERATED.
25	14.07.22	8:56	220kv WAZIRABAD - KASHMEREGATE CKT-II	14.07.22	9:24	AT WAZIRABAD : BUS BAR PROT OPERATED.
26	14.07.22	8:56	WAZIRABAD 220/66kv 100MVA Tx-II	14.07.22	9:30	BUS BAR PROT OPERATED.
27	14.07.22	8:56	WAZIRABAD 220/66kv 100MVA Tx-I	14.07.22	9:30	AT WAZIRABAD : BUS BAR PROT OPERATED.
28	14.07.22	8:56	WAZIRABAD 220/66kv 100MVA Tx-III	14.07.22	9:30	BUS BAR PROT OPERATED.
29	14.07.22	12:25	220KV BAWANA-SHALIMARBAGH CKT-II	14.07.22	15:04	AT SHALIMARBAGH : DIFFERENTIAL, Y&B PHASE, 186.
30	14.07.22	12:48	BAWANA 400/220kv 315MVA ICT-II	14.07.22	13:16	186A&B, 86A
31	16.07.22	11:30	220KV BAWANA-SHALIMARBAGH CKT-II	16.07.22	12:44	AT SHALIMARBAGH : BUS BAR PROT OPERATED.
32	16.07.22	11:30	220KV SHALIMARBAGH-WAZIRPUR CKT-I	16.07.22	12:44	AT SHALIMARBAGH : BUS BAR PROT OPERATED.
33	16.07.22	11:30	220KV SHALIMARBAGH-WAZIRPUR CKT-II	16.07.22	12:44	AT SHALIMARBAGH : BUS BAR PROT OPERATED.
34	16.07.22	11:30	220kv SHALIMARBAGH - DMRC CKT	16.07.22	12:44	AT SHALIMARBAGH : BUS BAR PROT OPERATED.
35	16.07.22	11:30	SHALIMARBAGH 220/33kv 100MVA Tx-I	16.07.22	12:44	BUS BAR PROT. OPERATED.
36	16.07.22	11:30	SHALIMARBAGH 220/33kv 100MVA Tx-II	16.07.22	12:44	BUS BAR PROT OPERATED.
37	16.07.22	11:30	SHALIMARBAGH 220/33kv 100MVA Tx-III	16.07.22	12:44	BUS BAR PROT, OPERATED.
38	17.07.22	12:54	220kv PRAGATI - I.P.CKT - II	18.07.22	19:43	AT PRAGATI : DIST PROT, ZONE-I, DIST 15.561MTS, 86T.

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
39	17.07.22	15:31	RAJGHAT 220/33kv 100MVA Tx-I	17.07.22	15:53	O/C, E/F.
40	17.07.22	19:20	220 KV PATPARGANJ - I.P. CKT-I	17.07.22	19:50	AT PATPARGANJ : ABC TRIP, RYB PHASE TRIP, DIST PROT, ZONE-I, DIST 1.406KM, O/C, 86.
41	17.07.22	19:30	WAZIRABAD 220/66kv 100MVA Tx-I	17.07.22	20:03	O/C.186.
42	17.07.22	19:30	WAZIRABAD 220/66kv 100MVA Tx-III	17.07.22	20:06	186. YB PHASE.
43	17.07.22	19:30	WAZIRABAD 220/66kv 100MVA Tx-II	17.07.22	20:05	O/C, 186.
44	18.07.22	11:30	NARELA 220/66kv 100MVA Tx-III	18.07.22	11:40	86, 86AB, INTER TRIPPING.
45	18.07.22	15:15	OKHLA 66/11kv, 20MVA Tx-II	18.07.22	16:00	86, O/C
46	18.07.22	18:20	MEHRAULI 220/66kv 100MVA Tx-I	18.07.22	18:28	TRIPPED WITHOUT INDICATION.
47	20.07.22	18:42	R K PURAM 220/66kv 160MVA Tx-II	20.07.22	19:58	OLT, BUCHOLZ, 86ABC.
48	23.07.22	4:31	NARAINA 33/11kv, 16MVA Tx-I	23.07.22	5:40	OLT, BUCHOLZ
49	23.07.22	19:05	220kv MUNDKA-NAJAFGARH CKT	23.07.22	20:55	AT NAJAFGARH : DIST PROT,ZONE-I, DIST 13KM, B PHASE, 186.
50	26.07.22	7:52	SUBZI MANDI 33/11kv, 16MVA Tx-I	26.07.22	8:40	DIFFERENTIAL.
51	27.07.22	13:25	LODHI RD 220/33kv 100MVA Tx-I	27.07.22	16:16	I/C TRIPPED WITHOUT INDICATION.
52	28.07.22	1:04	220kv GEETA COLONY- PATPARGANJ CKT -II	28.07.22	1:27	AT PATPARGANJ : CB FAIL, 186.
53	29.07.22	9:43	220kv WAZIRABAD - KASHMEREGATE CKT-II	29.07.22	11:12	AT KASHMIRI GATE : DIFFERENTIAL TRIP, R&Y PHASE.
54	29.07.22	17:58	220 KV GOPALPUR-WAZIRABAD CKT-2	30.07.22	11:39	AT WAZIRABAD : E/F, 86, O/C, DIST PROT ,D
55	29.07.22	18:04	RAJGHAT 220/33kv 100MVA Tx-I	29.07.22	20:10	TRIPPED WITHOUT INDICATION.
56	30.07.22	10:24	LODHI RD 33/11kv, 20MVA Tx-II	01.08.22	12:35	O/C
57	30.07.22	10:24	LODHI RD 33/11kv, 20MVA Tx-I	01.08.22	12:35	O/C
58	30.07.22	18:42	LODHI RD 33/11kv, 20MVA Tx-II	01.08.22	12:35	DIFFERENTIAL.
59	31.07.22	7:54	PARKSTREET 66/33kv, 30MVA Tx-I	31.07.22	8:54	E/F
60	31.07.22	7:54	PARKSTREET 66/33kv, 30MVA Tx-II	31.07.22	12:16	E/F
61	31.07.22	16:07	PATPARGANJ 220/33kv 100MVA Tx-III	31.07.22	17:45	RYB PHASE, DIFFERENTIAL, R PHASE LA.

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

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