

DELHI TRANSCO LTD.

STATE LOAD DISPATCH CENTER

PROGRESS REPORT

JULY 2021

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SALIENT FEATURES OF DELHI POWER SYSTEM

Sr. No.	Features	JUL. 2020	JUL. 2021
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	1372	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)	6310	7323
	Date	03.07.20	02.07.21
	Time	14:17:48	15:16:47
3	Peak Demand met (MW)	6310	7323
	Date	03.07.20	02.07.21
	Time	14:17:48	15:16:47
4	Peak Availability (MW)	6453	7226
5	Shortage (-) / Surplus (+) in MW	(+) 143	(-) 97
6	Percentage Shortage (-) / Surplus (+)	(+) 2.27	(-) 1.32
7	Maximum Energy Consume in a day (Mus)	129.600	144.505
8	Energy Consumed during the month	3313.137	3719.716
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	0.156	1.113
	TPDDL	0.077	0.073
	BRPL	0.216	0.307
	BYPL	0.131	0.067
	NDMC	0.000	0.000
	MES	0.000	0.000
	Other Agencies	0.000	0.021
	Total	0.580	1.581
10	Grand Total in Mus	0.580	1.581

2. PERFORMANCE OF GENERATING STATIONS WITHIN DELHI DURING JULY 2021

A) For the month of July 2021

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	0.000	0.399	-0.399	0.00	0.477
3.	PPCL	186.046	4.243	181.803	91.92	36.950
4.	Bawana	215.905	9.146	206.759	93.53	722.846
5.	Towmcl	15.480	2.178	13.302	--	--
6.	EDWPCL	2.189	0.840	1.349	--	--
7.	DMSWL	13.961	2.150	11.811	--	--
	TOTAL	433.581	19.080	414.501		

B) For the Year 2021-22 (Upto July 2021)

Power Station	Effective Capacity (MW)	Net Generation in MUs for Jul 2021	Availability (%) for Jul 2021	PLF (%) for Jul 2021	Cumulative Generation in MUs upto Jul 2021 for the year 2021-22	Cumulative Availability in % upto Jul 2021 for the year 2021-22
RPH	135	-0.124	--	--	-0.488	--
GT	270	-0.399	0.00	-0.24	61.352	10.46
PPCL	330	181.803	91.92	76.41	586.965	92.52
Bawana	1372	206.759	93.53	20.62	1080.120	92.52
Towmcl	16	13.302	--	--	46.497	--
EDWPCL	10	1.349	--	--	3.829	--
DMSWL	24	11.811	--	--	45.457	--
TOTAL	2936	414.501			1823.732	

3 DETAILS OF OUTAGES OF GENERATING STNS. WITHIN DELHI W.E.F. JULY 2021

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	01.07.2021	00:00	01.08.2021	00:00	Unit is under shut down due to non availability of domestic gas from GAIL
2	30	01.07.2021	00:00	01.08.2021	00:00	Unit is under shut down due to non availability of domestic gas from GAIL
STG-1	30	01.07.2021	00:00	01.08.2021	00:00	Unit is under shut down due to non availability of domestic gas from GAIL

(C) PRAGATI

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	104	03.07.2021	02:24	03.07.2021	05:11	GT#2 tripped on Internal Fault
1	104	03.07.2021	17:55	05.07.2021	15:10	GT#1 remained stopped as desired by SLDC
1	104	13.07.2021	18:03	16.07.2021	13:31	GT#1 remained stopped as desired by SLDC
1	104	20.07.2021	19:07	22.07.2021	07:43	GT#1 remained stopped as desired by SLDC
1	104	31.07.2021	22:55	31.07.2021	24:00	GT#1 remained stopped as desired by SLDC
ST G	122	24.07.2021	01:31	24.07.2021	06:25	STG tripped on Internal Fault.

(D) BAWANA CCGT POWER STATION

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
3	216	06.07.2021	09:00	08.07.2021	18:30	Annual testing of Generating Transformer
3	216	19.07.2021	17:55	20.07.2021	03:28	Unit tripped on Rotor Earth fault.
½ ST G-2	254	06.07.2021	09:00	08.07.2021	18:30	Annual testing of Generating Transformer
½ ST G-2	254	19.07.2021	17:55	20.07.2021	03:28	DC of 1/2 STG taken out due to non-availability of respective GT
ST G-2	254	25.07.2021	10:36	25.01.2021	12:01	Unit under forced outage on Generator Rotor Earth fault.

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. 01.07.2021 to 31.07.2021

Name of the Stn	Installed capacity in MW	Capacity Allocation to Delhi	capacity Allocation to Delhi	BRPL	BYPL	TPDDL	NDMC	MES	RPH	NR
STATE GENERATING STATIONS		In%	in MW							
RPH										
GAS TURBINE	270		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		
EDWPCL(WEP)	12	0	0	0	0.0	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		1553.43	574.1	326.0	401.7	205.7	45.0	1.00	0.0
CENTRAL SECTOR GENERATION										
NTPC STATIONS										
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	15722.14		3221.98	1581	602	914	125	0	0	0
NHPC (HYDRO)										
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	121.56	122.24	0	0	0	0
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	31.43	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)			273.00	119.90	69.34	83.76				
DVC(Mejia6)			100.00	44	25	31	0	0		
TOTAL	4980		848.49	243	413	192	0	0	0	0
<u>Allocation from Long term Bilateral</u>										
CLP Jhajar(Th)	1320		124.00			124				
Mejia-7(Th)*	500		105		105					
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)			180.00			180				
Teranda (HYD) (From 08.1.2020)			12.65			12.65				
BRBCL (From 15.01.2020)			5.00							5
JIPTL										
Alfanar wind SECI- 3(L_NR2020_05,06 & 07)	300		195.50	117.30	39.10	39.10				
TOTAL	3170		1138.02	234.558	190.838	707.624	0	0	0	5
Total in MW	33745		7589	3058	1704	2446	331	45	1	5.00

B) ALLOCATION OF DELHI AND DISCOMS (IN %AGE) FROM VARIOUS CENTRAL SECTOR, STATE SECTOR GENERATING STATIONS ALONG WITH LTAs w.e.f. 01.07.2021 to 31.07.2021

Name of the Stn				DISCOMWISE CAPACITY ALLOCATION IN %						NR
	Installed capacity in MW	Capacity Allocation to Delhi in %age	capacity Allocation in MW to Delhi	BRPL	BYPL	TPDDL	NDMC	MES	RPH	
STATE GENERATING STATIONS										
RPH										
GAS TURBINE	270		90	41.533	22.744	29.667	4.944	0.000	1.111	
PRAGATI	330	100	330	28.29	16.07	19.28	30.30	6.06		
BAWANA CCGT	1371	80	1097	38.9125	22.5000	27.1875	9.1250	2.2750		
EDWPCL(WEP)	12	0	0	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		1553.43	36.95	20.99	25.86	13.24	2.89	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		
Kahalgaon-I	840	6.07	50.99	43.92	25.40	30.68	0.00	0.00		
Kahalgaon-II	1500	10.49	157.35	43.92	25.40	30.68	0.00	0.00		
TOTAL NTPC	15722.14		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		
Dhuali 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		478.6073	49.06	25.40	25.54	0.00	0.00		
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		
NPC (NUCLEAR)										
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	14.832	69.828	15.340	0.00	0.00		
DVC(CTPS7 &8)			273.00	43.92	25.40	30.68				
DVC(Mejia6)			100.00	43.92	25.40	30.68	0.00	0.00		
TOTAL	4980		848.488	28.65	48.73	22.63	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		105.17		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)			180.00			100.00				
Teranda (HYD) (From 08.1.2020)			12.65			100.00				
BRBCL (From 15.01.2020)			5.00							100
JIPTL										
Alfanar wind SECI- 3(L_NR2020_05,06 & 07)	300		195.50	60.00	20.00	20.00				
TOTAL	3170		1138.02	240.9098	180.34566	678.74455	0	0	0	100
Total	33745		7589	40.29	22.46	32.22	4.36	0.59	0.01	0.07

5

POWER AVAILABILITY-DEMAND POSITION AT THE TIME OF PEAK DEMAND MET DURING JULY 2021

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	15:30:08	0	282	297	14	3	17	613	6413	6387	26	7026	0	7026
2	15:16:47	0	283	297	15	0	17	612	6711	6808	-97	7323	0	7323
3	15:44:48	0	273	297	18	1	15	604	5565	5533	32	6169	0	6169
4	23:24:56	0	150	297	17	-1	17	480	5544	5570	-26	6024	0	6024
5	15:25	0	162	297	18	4	17	498	6021	6041	-20	6519	0	6519
6	15:33:49	0	269	297	17	5	17	605	6202	6029	173	6807	0	6807
7	15:30:06	0	283	297	13	0	16	609	6498	6425	73	7107	0	7107
8	15:10:53	0	266	297	12	0	15	590	6671	6474	197	7261	0	7261
9	15:30:29	0	265	296	18	0	17	596	6293	6154	139	6889	0	6889
10	23:25:39	0	275	298	19	0	18	610	6061	6088	-27	6671	15.9	6687
11	00:00:50	0	272	298	18	1	16	605	5963	5938	25	6568	0	6568
12	15:43:31	0	268	299	18	0	7	592	5920	5950	-30	6512	0	6512
13	00:00:23	0	266	296	18	0	7	587	5510	5392	118	6097	0	6097
14	11:07:09	0	147	257	19	0	14	437	4945	4919	26	5382	0	5382
15	16:00:50	0	148	274	18	0	16	456	5234	5237	-3	5690	0	5690
16	23:02:31	0	270	309	18	0	16	613	5736	5821	-85	6349	0	6349
17	15:31:42	0	289	298	18	0	18	623	5740	5742	-2	6363	0	6363
18	00:00:00	0	296	303	19	0	17	635	5412	5508	-96	6047	0	6047
19	00:01:53	0	267	284	19	-1	19	588	4809	4854	-45	5397	0	5397
20	15:00:33	0	269	255	18	5	17	564	4468	4283	185	5032	11.3	5043
21	22:49:41	0	150	295	19	2	18	484	4812	5003	-191	5296	0	5296
22	15:15:39	0	267	309	19	0	18	613	4748	4804	-56	5361	0	5361
23	23:10:13	0	268	300	18	0	17	603	4980	4927	53	5583	0	5583
24	23:09:48	0	268	300	18	0	17	603	5096	5223	-127	5699	0	5699
25	23:00:53	0	268	311	18	2	18	617	5434	5526	-92	6051	0	6051
26	15:03:15	0	270	302	18	3	19	612	5258	5098	160	5870	0	5870
27	00:00:50	0	269	296	18	7	18	608	4999	5159	-160	5607	0	5607
28	00:00:02	0	266	253	17	6	17	559	4348	4536	-188	4907	0	4907
29	15:16:58	0	272	257	18	2	19	568	4452	4529	-77	5020	0	5020
30	14:56:33	0	266	253	19	0	18	556	4378	4499	-121	4934	0	4934
31	22:59:59	0	120	251	19	0	8	398	4547	4573	-26	4945	0	4945

POWER AVAILABILITY- DEMAND POSITION AT THE TIME OF MAXIMUM UNRESTRICTED DEMAND DURING JULY 2021

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	15:30:08	0	282	297	14	3	17	613	6413	6387	26	7026	0	7026
2	15:16:47	0	283	297	15	0	17	612	6711	6808	-97	7323	0	7323
3	15:44:48	0	273	297	18	1	15	604	5565	5533	32	6169	0	6169
4	23:24:56	0	150	297	17	-1	17	480	5544	5570	-26	6024	0	6024
5	15:25	0	162	297	18	4	17	498	6021	6041	-20	6519	0	6519
6	15:33:49	0	269	297	17	5	17	605	6202	6029	173	6807	0	6807
7	15:30:06	0	283	297	13	0	16	609	6498	6425	73	7107	0	7107
8	15:10:53	0	266	297	12	0	15	590	6671	6474	197	7261	0	7261
9	15:30:29	0	265	296	18	0	17	596	6293	6154	139	6889	0	6889
10	23:25:39	0	275	298	19	0	18	610	6061	6088	-27	6671	15.9	6687
11	00:00:50	0	272	298	18	1	16	605	5963	5938	25	6568	0	6568
12	15:43:31	0	268	299	18	0	7	592	5920	5950	-30	6512	0	6512
13	00:00:23	0	266	296	18	0	7	587	5510	5392	118	6097	0	6097
14	11:07:09	0	147	257	19	0	14	437	4945	4919	26	5382	0	5382
15	16:00:50	0	148	274	18	0	16	456	5234	5237	-3	5690	0	5690
16	23:02:31	0	270	309	18	0	16	613	5736	5821	-85	6349	0	6349
17	15:31:42	0	289	298	18	0	18	623	5740	5742	-2	6363	0	6363
18	00:00:00	0	296	303	19	0	17	635	5412	5508	-96	6047	0	6047
19	00:01:53	0	267	284	19	-1	19	588	4809	4854	-45	5397	0	5397
20	15:00:33	0	269	255	18	5	17	564	4468	4283	185	5032	11.3	5043
21	22:49:41	0	150	295	19	2	18	484	4812	5003	-191	5296	0	5296
22	15:15:39	0	267	309	19	0	18	613	4748	4804	-56	5361	0	5361
23	23:10:13	0	268	300	18	0	17	603	4980	4927	53	5583	0	5583
24	23:09:48	0	268	300	18	0	17	603	5096	5223	-127	5699	0	5699
25	23:00:53	0	268	311	18	2	18	617	5434	5526	-92	6051	0	6051
26	15:03:15	0	270	302	18	3	19	612	5258	5098	160	5870	0	5870
27	00:00:50	0	269	296	18	7	18	608	4999	5159	-160	5607	0	5607
28	00:00:02	0	266	253	17	6	17	559	4348	4536	-188	4907	0	4907
29	15:16:58	0	272	257	18	2	19	568	4452	4529	-77	5020	0	5020
30	14:56:33	0	266	253	19	0	18	556	4378	4499	-121	4934	0	4934
31	22:59:59	0	120	251	19	0	8	398	4547	4573	-26	4945	0	4945

SOURCEWISE SCHEDULED DRAWL FROM NORTHERN GRID AS WELL AS AVAILABILITY WITHIN DELHI FOR JULY 2021

A) AVAILABILITY FROM GENCO AND PRAGATI STNs. (all fig in MUs)

A (i) RPH	0.000
(ii) GT+STG	0.000
(iii) PRAGATI	186.046
(iv) RITHALA	0.000
(v) BAWANA CCGT	215.905
(vi) Timarpur – Okhla	15.480
EDWPCL	2.189
DMSWL	13.961
TOTAL	433.581
B) AVAILABILITY FROM BTPS	0.000
C) AUXILIARY CONSUMPTION OF GENERATING STNs. EXCLUDING BTPS	19.080
D) NET GENERATION AVAILABLE WITHIN DELHI(A+B-C)	414.501

B) SOURCE WISE SCHEDULED DRAWL FROM THE NORTHERN GRID

NAME OF THE STATION	AVAILABILITY AT POWER PLANT	AVAILABILITY AT DELHI PERIPHERY	ALLOCATION MADE BY NRLDC AT POWER PLANT	ALLOCATION MADE BY NRLDC AT DELHI PERIPHERY
B/SUIL	6.388	6.193	6.388	6.193
SALAL	57.385	55.648	57.385	55.648
SASAN	266.570	258.494	264.420	256.410
TANKAPUR	6.729	6.525	6.729	6.525
CHAMERA	29.941	29.035	29.941	29.035
CHAMERA -II	28.437	27.574	28.437	27.574
CHAMERA -III	21.132	20.490	21.132	20.490
DHAULIGANGA	26.920	26.104	26.920	26.104
SEWA -2	0.000	0.000	0.000	0.000
URI	37.431	36.297	37.431	36.297
URI-II	23.229	22.526	23.229	22.526
KOLDAM	0.000	0.000	0.000	0.000
KOTESHWAR	10.979	10.644	10.979	10.644
PARBATI3	18.385	17.828	18.385	17.828
RAMPUR	0.000	0.000	0.000	0.000
ANTA (CRF)	0.000	0.000	0.000	0.000
ANTA (GAS)	0.000	0.000	0.000	0.000
ANTA (RLNG)	1.036	1.002	0.124	0.119
ANTA (LIQUID)	29.226	28.343	0.005	0.005
DADRI (CRF)	0.033	0.032	0.016	0.015
DADRI (GAS)	0.000	0.000	0.000	0.000
DADRI (RLNG)	30.918	29.978	4.849	4.705
DADRI (LIQUID)	32.320	31.344	0.065	0.063
AURAIYA (CRF)	0.000	0.000	0.000	0.000
AURAIYA (GAS)	0.000	0.000	0.000	0.000
AURAIYA (RLNG)	26.470	25.667	1.335	1.294
AURAIYA (LIQUID)	23.461	22.750	0.000	0.000
SINGRAULI	57.002	55.274	52.206	50.624
SINGRAULI_HYDRO	0.498	0.483	0.498	0.483
RIHAND -I	57.951	56.198	51.368	49.814
RIHAND -II	79.122	76.740	73.903	71.679
RIHAND -III	87.056	84.411	80.987	78.522
UNCHAHAHAR-I	14.379	13.942	9.532	9.243
UNCHAHAHAR-II	29.116	28.236	18.738	18.171
UNCHAHAHAR-III	19.635	19.040	12.824	12.436
UNCHAHAHAR-IV	0.000	0.000	0.000	0.000
DADRI (TH)	513.617	498.054	0.000	0.000
DADRI (TH) STAGE-II	509.550	494.112	165.213	160.235
BRBCL (NABIPUR-BIHAR)	2.148	2.083	2.137	2.072
TALCHER FOR AUX. OF BTPS	0.000	0.000	0.000	0.000

NAME OF THE STATION	AVAILABILITY AT POWER PLANT	AVAILABILITY AT DELHI PERIPHERY	ALLOCATION MADE BY NRLDC AT POWER PLANT	ALLOCATION MADE BY NRLDC AT DELHI PERIPHERY
NAPP	28.591	27.724	28.591	27.724
RAPP 'B'	0.000	0.000	0.000	0.000
RAPP 'C'	36.698	35.581	36.698	35.581
NATHPA JHAKRI	113.645	110.201	113.645	110.201
DULASTI	35.465	34.392	35.465	34.392
TEHRI	16.882	16.366	16.882	16.366
JHAJJAR	485.970	471.244	137.081	132.933
KHELGAON	23.075	22.377	18.296	17.742
KHELGAON-II	105.671	102.461	89.235	86.527
FARAKA	12.557	12.177	8.518	8.260
TALA	16.638	16.137	16.638	16.137
DVC	221.759	221.759	221.759	215.049
TUTICORIN - BRPL	22.603	22.603	22.603	21.920
MADHYA PRADESH	18.223	18.223	18.223	17.673
JP NIGRIE (GUJRAT)	77.815	77.815	77.815	75.460
KARNATAKA	1.499	1.499	1.499	1.454
DIKACHU (SIKKIM)	0.273	0.273	0.273	0.265
GOA	7.897	7.897	7.897	7.658
UTTAR PRADESH	0.257	0.257	0.257	0.250
REGL (ADANI) CHATTISHGARH	0.000	0.000	0.000	0.000
RPREL (ADANI) CHATTISHGARH	40.089	40.089	40.089	38.866
KWHEP (HP)	0.000	0.000	0.000	0.000
SAINJ (HP)	0.000	0.000	0.000	0.000
BGTPP (ASSAM)	0.360	0.360	0.360	0.349
GUJRAT	0.821	0.821	0.821	0.797
DBPL (CHATTISHGARH)	0.000	0.000	0.000	0.000
MANIPUR	20.664	20.664	20.664	20.039
RGPPPL(Ratna Giri Power Pvt. Ltd.)	0.000	0.000	0.000	0.000
FSTPP-III (WEST BENGAL)	0.000	0.000	0.000	0.000
SIKKIM	9.700	9.700	9.700	9.406
TAMILNAIDU	152.734	152.734	152.734	148.111
SEIL PROJECT-II(ANDHRA PRADESH)	5.016	5.016	5.016	4.867
MEGHALAYA	0.000	0.000	0.000	0.000
ANDHRA	0.331	0.331	0.331	0.322
JITPL(Jindal Indai Thermal Power Ltd.)	187.979	187.979	187.979	182.289
UTTRAKHAND	140.017	140.017	140.017	135.778
METHON POWER(NDPL)LT-06	180.624	180.624	180.624	175.158
DVC MEJIA (LT-08)(BYPL)	67.564	67.564	67.564	65.518
Acme_RUMS	11.866	11.866	11.866	11.507
Arinsun_RUMS	12.058	12.058	12.058	11.693
Mahindra_RUMS	11.855	11.855	11.855	11.496
URS	0.000	0.000	0.000	0.000
JAMMU & KASHMIR	44.693	44.693	44.693	43.342
HIMACHAL PRADESH	436.866	436.866	436.866	423.635
JHABUA (MP)	0.000	0.000	0.000	0.000
TEESTA-III (West Bengal)	17.256	17.256	17.256	16.721
KERALA	36.580	36.580	36.580	35.472
ARUNACHAL PRADESH	0.000	0.000	0.000	0.000
HIMACHAL PRADESH LT-59 DVC	8.025	8.025	8.025	7.782
HARYANA (LT-05)	51.064	51.064	51.064	49.517
MP(SOLAR RUMS)	23.269	23.269	23.269	22.566
HP TPDDL (NANTI)	8.515	8.515	8.515	8.257
ALFANAR WIND(BRPL) GUJRAT	59.016	59.016	59.016	57.201
ALFANAR WIND(BYPL) (GUJRAT)	19.672	19.672	19.672	19.067
ASE4PL (Adani Green ENERGY U.P.)	11.100	11.100	11.100	10.764
ALFANAR WIND(TPDDL)(GUJRAT)	19.668	19.668	19.668	19.063
ADHPL (HP)	24.307	24.307	24.307	23.571
ODHISHA	0.320	0.320	0.320	0.310
ORISSA MT-20 JITPL -DVC	0.000	0.000	0.000	0.000
WEST BENGAL	0.280	0.280	0.280	0.271
TELENGANA	0.202	0.202	0.202	0.196
RAJASTHAN(SOLAR) BRPL-LT36	3.618	3.618	3.618	3.509
RAJASTHAN(SOLAR) BYPL - LT-35	3.512	3.512	3.512	3.405
RAJASTHAN(SOLAR) TPDDL LT-31	3.499	3.499	3.499	3.393
HP TARANDA (RAILWAYS)	8.835	8.835	8.835	8.567

NAME OF THE STATION	AVAILABILITY AT POWER PLANT	AVAILABILITY AT DELHI PERIPHERY	ALLOCATION MADE BY NRLDC AT POWER PLANT	ALLOCATION MADE BY NRLDC AT DELHI PERIPHERY
TO NAGALAND	0.000	0.000	0.000	0.000
TO ANDHRA	0.000	0.000	0.000	0.000
TO UTTARAKHAND	0.000	0.000	0.000	0.000
TO WEST BENGAL	0.000	0.000	0.000	0.000
TO MEGHALAYA	0.000	0.000	0.000	0.000
TO KERALA	0.000	0.000	0.000	0.000
TO ODISHA	0.000	0.000	0.000	0.000
TO TAMILNAIDU	0.000	0.000	0.000	0.000
TO UP	0.000	0.000	0.000	0.000
TO CHATTISHGARH	0.000	0.000	0.000	0.000
TO MANIPUR	0.000	0.000	0.000	0.000
TO ARUNACHAL PRADESH	0.000	0.000	0.000	0.000
TO HIMACHAL PRADESH	0.000	0.000	0.000	0.000
TO GUJRAT	0.000	0.000	0.000	0.000
POWER EXCHANGE(IEX)	72.627	70.436	72.627	70.436
TO POWER EXCHANGE (IEX)	-94.905	-97.861	-94.905	-97.861
POWER EXCHANGE(PX)	0.000	0.000	0.000	0.000
TO POWER EXCHANGE (PX)	0.000	0.000	0.000	0.000
TO SHARE PROJECT (HARYANA)	-18.704	-19.287	-18.704	-19.287
TO SHARE PROJECT (PUNJAB)	-18.058	-18.620	-18.058	-18.620
REAL TIME MANAGEMENT (RTM)	76.680	74.378	76.680	74.378
TO REAL TIME MANAGEMENT (RTM)	-83.113	-85.718	-83.113	-85.718
TOTAL	4829.084	4729.335	3413.053	3296.477

AGENCY WISE BREAKUP OF ENERGY SCHEDULED DRAWAL FROM THE GRID

NAME OF THE STATION	AVAILABILITY AT POWER PLANT	AVAILABILITY AT DELHI PERIPHERY	ALLOCATION MADE BY NRLDC AT POWER PLANT	ALLOCATION MADE BY NRLDC AT DELHI PERIPHERY
NTPC - NR	1513.536	1467.688	473.799	459.480
NTPC - ER	141.304	137.015	116.048	112.529
NHPC	291.442	282.611	291.442	282.611
NPC	65.288	63.305	65.288	63.305
SASAN	266.570	258.494	264.420	256.410
KOTESHWAR	10.979	10.644	10.979	10.644
NATHPA JHAKRI	113.645	110.201	113.645	110.201
TALCHER FOR AUX. OF BTPS	0.000	0.000	0.000	0.000
TEHRI	16.882	16.366	16.882	16.366
TALA	16.638	16.137	16.638	16.137
JHAJJAR	485.970	471.244	137.081	132.933
RAJASTHAN SOLAR(BRPL)T-36	3.618	3.618	3.618	3.509
RAJASTHAN SOLAR(BYPL)T-35	3.512	3.512	3.512	3.405
RAJASTHAN SOLAR(TPDDL)T-31	3.499	3.499	3.499	3.393
DVC	221.759	221.759	221.759	215.049
TUTICORIN BRPL	22.603	22.603	22.603	21.920
MADHYA PRADESH	18.223	18.223	18.223	17.673
JP NIGRIE (GUJRAT)	77.815	77.815	77.815	75.460
KARNATAKA	1.499	1.499	1.499	1.454
DIKACHU (SIKKIM)	0.273	0.273	0.273	0.265
GOA	7.897	7.897	7.897	7.658
UTTAR PRADESH	0.257	0.257	0.257	0.250
REGL (ADANI) CHATTISHGARH	0.000	0.000	0.000	0.000
RPREL (ADANI)CHATTISHGARH	40.089	40.089	40.089	38.866
KWHEP (HP)	0.000	0.000	0.000	0.000
SAINJ (HP)	0.000	0.000	0.000	0.000
BGTPP (ASSAM)	0.360	0.360	0.360	0.349
GUJRAT	0.821	0.821	0.821	0.797
DBPL (CHATTISHGARH)	0.000	0.000	0.000	0.000
MANIPUR	20.664	20.664	20.664	20.039
RGPPPL(Ratna Giri Power Pvt. Ltd.)	0.000	0.000	0.000	0.000
FSTPP -III (WEST BENGAL)	0.000	0.000	0.000	0.000
SIKKIM	9.700	9.700	9.700	9.406
TAMILNAIDU	152.734	152.734	152.734	148.111
SEIL PROJECT-II(ANDHRA PRADESH)	5.016	5.016	5.016	4.867
MEGHALAYA	0.000	0.000	0.000	0.000

NAME OF THE STATION	AVAILABILITY AT POWER PLANT	AVAILABILITY AT DELHI PERIPHERY	ALLOCATION MADE BY NRLDC AT POWER PLANT	ALLOCATION MADE BY NRLDC AT DELHI PERIPHERY
ANDHRA	0.331	0.331	0.331	0.322
JITPL(Jindal Indai Thermal Power Ltd.)	187.979	187.979	187.979	182.289
UTTRAKHAND	140.017	140.017	140.017	135.778
METHON POWER (NDPL)-LT-06	180.624	180.624	180.624	175.158
DVC MEJIA (LT-08)(BYPL)	67.564	67.564	67.564	65.518
Acme_RUMS	11.866	11.866	11.866	11.507
Arinsun_RUMS	12.058	12.058	12.058	11.693
Mahindra_RUMS	11.855	11.855	11.855	11.496
URS	0.000	0.000	0.000	0.000
JAMMU & KASHMIR	44.693	44.693	44.693	43.342
HIMACHAL PRADESH	436.866	436.866	436.866	423.635
JHABUA (MP)	0.000	0.000	0.000	0.000
TEESTA -III (SIKKIM)	17.256	17.256	17.256	16.721
KERALA	36.580	36.580	36.580	35.472
ARUNACHAL PRADESH	0.000	0.000	0.000	0.000
HP LT-59 DVC(SURYA KANTA)	8.025	8.025	8.025	7.782
HARYANA (LT -05)	51.064	51.064	51.064	49.517
ADHPL (HP)	24.307	24.307	24.307	23.571
ODISHA	0.320	0.320	0.320	0.310
ORISSA MT-20 JITPL -DVC	0.000	0.000	0.000	0.000
WEST BENGAL	0.280	0.280	0.280	0.271
TELENGANA	0.202	0.202	0.202	0.196
MP(SOLAR RUMS)	23.269	23.269	23.269	22.566
HP TPDDL (NANTI)	8.515	8.515	8.515	8.257
HP TRANDA (RAILWAYS)	8.835	8.835	8.835	8.567
ALFANAR WIND(BRPL)	59.016	59.016	59.016	57.201
ALFANAR WIND(BYPL)	19.672	19.672	19.672	19.067
ASE4PL (Adani Green ENERGY U.P.)	11.100	11.100	11.100	10.764
ALFANAR WIND(TPDDL)	19.668	19.668	19.668	19.063
POWER EXCHANGE(IEX)	72.627	70.436	72.627	70.436
POWER EXCHANGE(PX)	0.000	0.000	0.000	0.000
REAL TIME MANAGEMENT (RTM)	76.680	74.378	76.680	74.378
TOTAL	5043.863	4950.820	3627.831	3517.963

AGENCY WISE BREAKUP OF ENERGY SCHEDULED BY NRLDC FOR EXPORT TO OTHER UTILITIES FROM DELHI

NAME OF THE STATION	AVAILABILITY AT POWER PLANT	AVAILABILITY AT DELHI PERIPHERY	ALLOCATION MADE BY NRLDC AT POWER PLANT	ALLOCATION MADE BY NRLDC AT DELHI PERIPHERY
TO NAGALAND	0.000	0.000	0.000	0.000
TO ANDHRA	0.000	0.000	0.000	0.000
TO UTTRAKHAND	0.000	0.000	0.000	0.000
TO WEST BENGAL	0.000	0.000	0.000	0.000
TO KERALA	0.000	0.000	0.000	0.000
TO MEGHALAYA	0.000	0.000	0.000	0.000
TO ORIDSHA	0.000	0.000	0.000	0.000
TO TAMILNAIDU	0.000	0.000	0.000	0.000
TO UP	0.000	0.000	0.000	0.000
TO CHATTISHGARH	0.000	0.000	0.000	0.000
TO MANIPUR	0.000	0.000	0.000	0.000
TO ARUNACHAL PRADESH	0.000	0.000	0.000	0.000
TO HIMACHAL PRADESH	0.000	0.000	0.000	0.000
TO GUJRAT	0.000	0.000	0.000	0.000
TO POWER EXCHANGE (IEX)	-94.905	-97.861	-94.905	-97.861
TO POWER EXCHANGE (PX)	0.000	0.000	0.000	0.000
TO SHARE PROJECT (HARYANA)	-18.704	-19.287	-18.704	-19.287
TO SHARE PROJECT (PUNJAB)	-18.058	-18.620	-18.058	-18.620
TO REAL TIME MANAGEMENT (RTM)	-83.113	-85.718	-83.113	-85.718
TOTAL	-214.779	-221.486	-214.779	-221.486
TOTAL SCHEDULED DRAWAL FROM THE GRID	4829.084	4729.335	3413.053	3296.477

TOTAL CONSUMPTION INCLUDING AUX. OF GENERATING STNS		3738.796
NET CONSUMPTION		3719.716
AVAILABILITY WITHIN DELHI		414.501
ACTUAL DRAWAL FROM THE GRID		3305.215
OVER DRAWAL(+)/UNDER DRAWAL(-) FROM THE GRID ON THE BASIS OF SCHEDULED ALLOCATION MADE BY NRLDC TO DELHI AT PERIPHERY		8.738
LOAD SHEDDING		1.581
UNRESTRICTED DEMAND (GROSS)		3740.377
UNRESTRICTED DEMAND (NET)		3721.297
MAX. NET CONSUMPTION		144.505 On 08.07.21
MAX. LOAD SHEDDING		580 MW ON 09.07.2021 AT 22.00HRS.
PEAK LOAD	Peak Demand during the month	SHEDDING AT PEAK TIME
DAY PEAK	7323 MW AT 15:16:47 HRS ON 02.07.2021	NIL.
EVENING PEAK	6901 MW AT 22.00 HRS ON 01.07.2021	NIL

8. SHEDDING DETAILS DURING THE MONTH OF JULY 2021.

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 drawl / 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
01-07-21	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
02-07-21	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
03-07-21	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
04-07-21	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
05-07-21	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
06-07-21	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
07-07-21	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
08-07-21	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
09-07-21	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10-07-21	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11-07-21	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12-07-21	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
13-07-21	0	0.0000	0.0000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14-07-21	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15-07-21	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
16-07-21	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17-07-21	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
18-07-21	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
19-07-21	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20-07-21	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
21-07-21	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22-07-21	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
23-07-21	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
24-07-21	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25-07-21	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
26-07-21	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27-07-21	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
28-07-21	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
29-07-21	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30-07-21	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
31-07-21	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	0	0.000	0.000	0.000	0.000	0.0000	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		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
01-07-21	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
02-07-21	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
03-07-21	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
04-07-21	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
05-07-21	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
06-07-21	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
07-07-21	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
08-07-21	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
09-07-21	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
10-07-21	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
11-07-21	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
12-07-21	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
13-07-21	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
14-07-21	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
15-07-21	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
16-07-21	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
17-07-21	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
18-07-21	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
19-07-21	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
20-07-21	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
21-07-21	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
22-07-21	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
23-07-21	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
24-07-21	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
25-07-21	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
26-07-21	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
27-07-21	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
28-07-21	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
29-07-21	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
30-07-21	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
31-07-21	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
	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
01-07-21	0.0280383	0.0348333	0.0116925	0.000000	0.000000	0.000000	0.095167	0.000600	0.000000
02-07-21	0.0032250	0.0165887	0.0000000	0.000000	0.000000	0.000000	0.014413	0.000000	0.000000
03-07-21	0.0000000	0.0000000	0.0000000	0.000000	0.000000	0.025915	0.000000	0.006831	0.000000
04-07-21	0.0014300	0.0000000	0.0000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
05-07-21	0.0000000	0.0000000	0.0063917	0.000000	0.000000	0.000000	0.000000	0.000547	0.000000
06-07-21	0.0000000	0.0000000	0.0220292	0.000000	0.000000	0.000000	0.033435	0.000167	0.000000
07-07-21	0.0023000	0.0000000	0.0159417	0.000000	0.000000	0.000000	0.029402	0.001284	0.000000
08-07-21	0.0000000	0.0000000	0.0033500	0.000000	0.000000	0.000000	0.011503	0.000000	0.000000
09-07-21	0.0001333	0.7465670	0.0177992	0.000000	0.000000	0.000000	0.037017	0.003341	0.000000
10-07-21	0.0013917	0.0000000	0.0000000	0.000000	0.000000	0.000000	0.045835	0.005492	0.000000
11-07-21	0.0000000	0.0000000	0.0000000	0.000000	0.000000	0.000000	0.000000	0.000619	0.000000
12-07-21	0.0000000	0.0000000	0.0000000	0.000000	0.000000	0.000000	0.000000	0.002117	0.000000
13-07-21	0.0000000	0.0153233	0.0000000	0.000000	0.000000	0.012993	0.000000	0.000000	0.000000
14-07-21	0.0000000	0.0038203	0.0000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
15-07-21	0.0000000	0.0000000	0.0000000	0.000000	0.000000	0.000000	0.000000	0.000137	0.000000
16-07-21	0.0000000	0.0219733	0.0000000	0.000000	0.000000	0.000000	0.000000	0.000165	0.000000
17-07-21	0.0000000	0.0441933	0.0582425	0.000000	0.000000	0.000000	0.025533	0.000054	0.000000
18-07-21	0.0000000	0.0000000	0.0000000	0.000000	0.000000	0.003033	0.000000	0.001833	0.000000
19-07-21	0.0000000	0.0000000	0.0029133	0.000000	0.000000	0.000000	0.000000	0.001294	0.000000
20-07-21	0.0000000	0.0000000	0.0000000	0.000000	0.000000	0.000000	0.001000	0.038185	0.000000
21-07-21	0.0000000	0.0000000	0.0000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
22-07-21	0.0000000	0.0000000	0.0047167	0.000000	0.000000	0.000000	0.000000	0.000071	0.000000
23-07-21	0.0390950	0.0000000	0.0000000	0.000000	0.000000	0.000000	0.002118	0.000283	0.000000
24-07-21	0.0000000	0.0000000	0.0000000	0.000000	0.000000	0.000000	0.000000	0.009497	0.000000
25-07-21	0.0000000	0.0000000	0.0000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
26-07-21	0.0002417	0.0000000	0.0001500	0.000000	0.000000	0.000000	0.000000	0.000317	0.000000
27-07-21	0.0000000	0.0000000	0.0000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
28-07-21	0.0024500	0.0000000	0.0010200	0.000000	0.000000	0.003700	0.000000	0.000000	0.000000
29-07-21	0.0004167	0.0000000	0.0000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
30-07-21	0.0036583	0.0000000	0.0029042	0.000000	0.000000	0.021165	0.004174	0.000060	0.000000
31-07-21	0.0000000	0.0000000	0.0000000	0.000000	0.000000	0.000000	0.007883	0.000000	0.000000
	0.0824	0.8833	0.1472	0.0000	0.0000	0.0668	0.3075	0.0729	0.0000

ALL FIGURES IN MUS

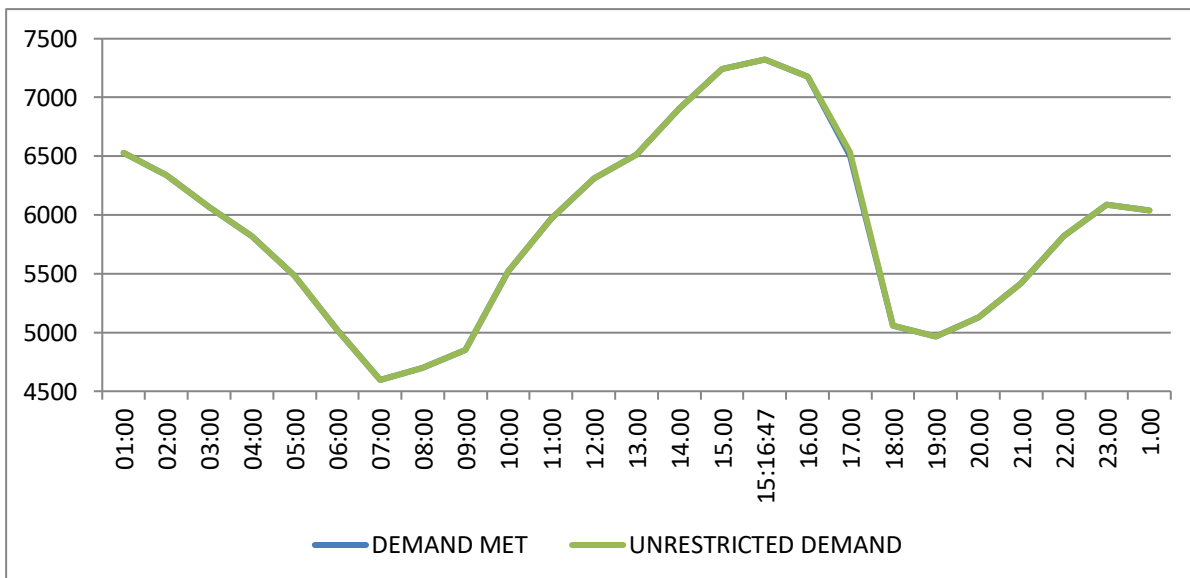
DATE	OTHER AGENCIES LIKE GENCO, BBMB, BTPS ETC.				THEFT PRONE SHEDDING			TOTAL SHEDDING DUE TO T&D CONSTS. & THEFT PRONE	GRAND TOTAL
	BSES		TPDDL	NDMC	BSES		TPDDL		
	BYPL	BRPL			BYPL	BRPL			
1	35	36	37	38	39	40	41	42= 26 to 41	43 = 25 + 42
01-07-21	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.1703	0.1703
02-07-21	0.000000	0.000000	0.000450	0.000000	0.000000	0.000000	0.000000	0.0347	0.0347
03-07-21	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.0327	0.0327
04-07-21	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.0014	0.0014
05-07-21	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.0069	0.0069
06-07-21	0.000000	0.004300	0.015800	0.000000	0.000000	0.000000	0.000000	0.0757	0.0757
07-07-21	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.0489	0.0489
08-07-21	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.0149	0.0149
09-07-21	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.8049	0.8049
10-07-21	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.0527	0.0527
11-07-21	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.0006	0.0006
12-07-21	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.0021	0.0021
13-07-21	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.0283	0.0283
14-07-21	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.0038	0.0038
15-07-21	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.0001	0.0001
16-07-21	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.0221	0.0221
17-07-21	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.1280	0.1280
18-07-21	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.0049	0.0049
19-07-21	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.0042	0.0042
20-07-21	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.0392	0.0392
21-07-21	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.0000	0.0000
22-07-21	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.0048	0.0048
23-07-21	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.0415	0.0415
24-07-21	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.0095	0.0095
25-07-21	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.0000	0.0000
26-07-21	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.0007	0.0007
27-07-21	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.0000	0.0000
28-07-21	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.0072	0.0072
29-07-21	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.0004	0.0004
30-07-21	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.0320	0.0320
31-07-21	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.0079	0.0079
	0.0000	0.0043	0.0163	0.0000	0.0000	0.0000	0.0000	1.581	1.581

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
01-07-21	142.550	7026	15:30:08	0	7026	7026	15:30:08	7026	0
02-07-21	139.258	7323	15:16:47	0	7323	7323	15:16:47	7323	0
03-07-21	120.088	6169	15:44:48	0	6169	6169	15:44:48	6169	0
04-07-21	114.544	6024	23:24:56	0	6024	6024	23:24:56	6024	0
05-07-21	128.174	6519	15:25	0	6519	6519	15:25	6519	0
06-07-21	134.997	6807	15:33:49	0	6807	6807	15:33:49	6807	0
07-07-21	141.574	7107	15:30:06	0	7107	7107	15:30:06	7107	0
08-07-21	144.505	7261	15:10:53	0	7261	7261	15:10:53	7261	0
09-07-21	135.004	6889	15:30:29	0	6889	6889	15:30:29	6889	0
10-07-21	135.475	6671	23:25:39	15.9	6687	6687	23:25:39	6671	15.9
11-07-21	130.670	6568	00:00:50	0	6568	6568	00:00:50	6568	0
12-07-21	132.497	6512	15:43:31	0	6512	6512	15:43:31	6512	0
13-07-21	118.620	6097	00:00:23	0	6097	6097	00:00:23	6097	0
14-07-21	108.619	5382	11:07:09	0	5382	5382	11:07:09	5382	0
15-07-21	112.258	5690	16:00:50	0	5690	5690	16:00:50	5690	0
16-07-21	126.312	6349	23:02:31	0	6349	6349	23:02:31	6349	0
17-07-21	129.366	6363	15:31:42	0	6363	6363	15:31:42	6363	0
18-07-21	120.926	6047	00:00	0	6047	6047	00:00	6047	0
19-07-21	101.933	5397	00:01:53	0	5397	5397	00:01:53	5397	0
20-07-21	99.047	5032	15:00:33	11.3	5043	5043	15:00:33	5032	11.3
21-07-21	99.142	5296	22:49:41	0	5296	5296	22:49:41	5296	0
22-07-21	110.704	5361	15:15:39	0	5361	5361	15:15:39	5361	0
23-07-21	112.325	5583	23:10:13	0	5583	5583	23:10:13	5583	0
24-07-21	116.233	5699	23:09:48	0	5699	5699	23:09:48	5699	0
25-07-21	116.771	6051	23:00:53	0	6051	6051	23:00:53	6051	0
26-07-21	125.184	5870	15:03:15	0	5870	5870	15:03:15	5870	0
27-07-21	114.523	5607	00:00:50	0	5607	5607	00:00:50	5607	0
28-07-21	103.384	4907	00:00:02	0	4907	4907	00:00:02	4907	0
29-07-21	101.147	5020	15:16:58	0	5020	3995	15:16:58	5020	0
30-07-21	102.291	4934	14:56:33	0	4934	4008	14:56:33	4934	0
31-07-21	101.595	4945	22:59:59	0	4945	4008	22:59:59	4945	0
	3719.716	7323	15:16:47	0	7323	7323	15:16:47	7323	0
		02.07.21			02.07.21				

9. **LOAD PATTERN OF DELHI ON THE DAY OF PEAK DEMAND MET DURING JULY 2021 ON 02.07.2021 - 7323 MW AT 15:16:47HRS.**

All figures in MW

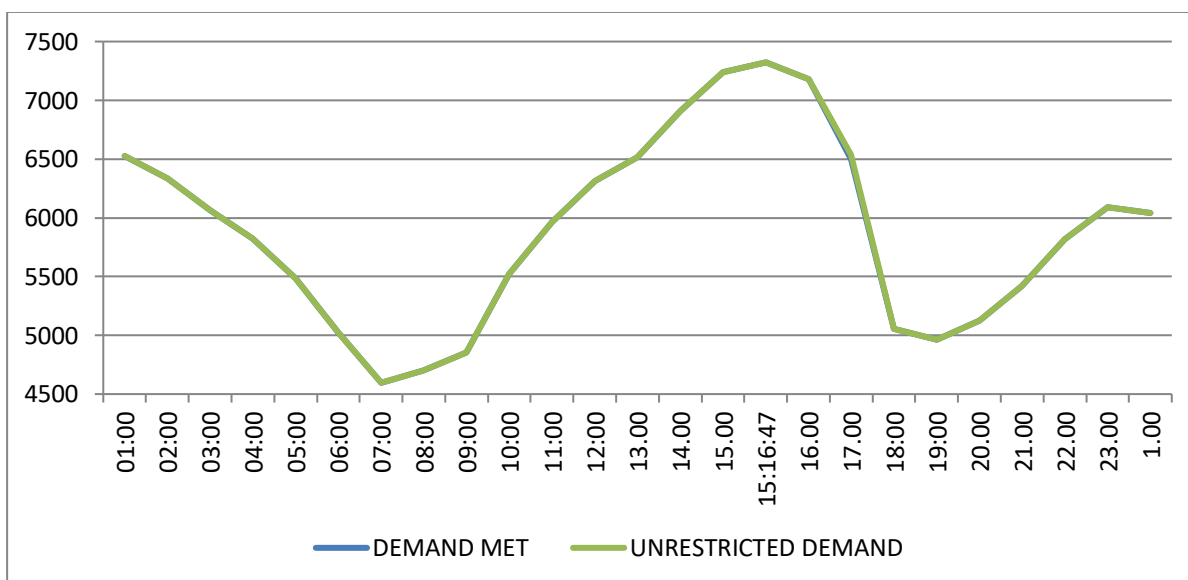
Hrs.	Demand	Load Shedding	Un-Restricted Demand
01:00	6527	0	6527
02:00	6336	0	6336
03:00	6065	0	6065
04:00	5821	0	5821
05:00	5485	0	5485
06:00	5022	0	5022
07:00	4596	0	4596
08:00	4699	0	4699
09:00	4854	0	4854
10:00	5522	0	5522
11:00	5967	0	5967
12:00	6313	0	6313
13:00	6514	0	6514
14:00	6905	0	6905
15:00	7242	0	7242
15:16:47	7323	0	7323
16:00	7179	0.0	7179
17:00	6499	38	6536
18:00	5058	0	5058
19:00	4965	0	4965
20:00	5127	0	5127
21:00	5417	0	5417
22:00	5818	0	5818
23:00	6089	0	6089
1.00	6041	0	6041
Total (IN MUS)	139.258	0.035	139.293



10 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UN-RESTRICTED DEMAND DURING JULY 2021 ON 02.07.2021 - 7323MW AT 15:16:47 HRS.

All figures in MW

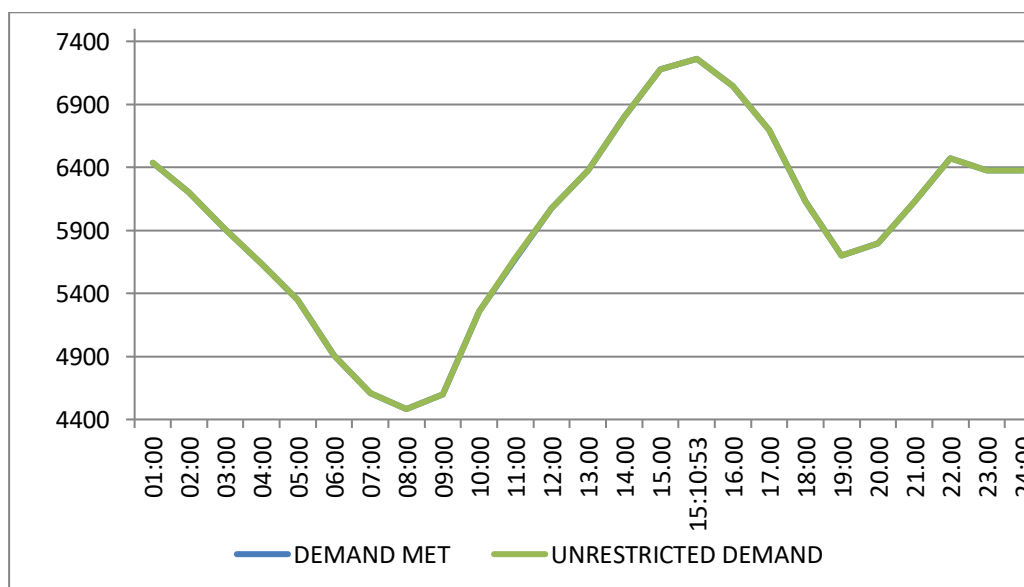
Hrs.	Demand	Load Shedding	Un-Restricted Demand
01:00	6527	0	6527
02:00	6336	0	6336
03:00	6065	0	6065
04:00	5821	0	5821
05:00	5485	0	5485
06:00	5022	0	5022
07:00	4596	0	4596
08:00	4699	0	4699
09:00	4854	0	4854
10:00	5522	0	5522
11:00	5967	0	5967
12:00	6313	0	6313
13:00	6514	0	6514
14:00	6905	0	6905
15:00	7242	0	7242
15:16:47	7323	0	7323
16:00	7179	0.0	7179
17:00	6499	38	6536
18:00	5058	0	5058
19:00	4965	0	4965
20:00	5127	0	5127
21:00	5417	0	5417
22:00	5818	0	5818
23:00	6089	0	6089
1.00	6041	0	6041
Total (IN MUS)	139.258	0.035	139.293



11 **LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM ENERGY CONSUMED DURING JULY 2021 – 08.07.2021 – 144.505 Mus**

All figures in MW

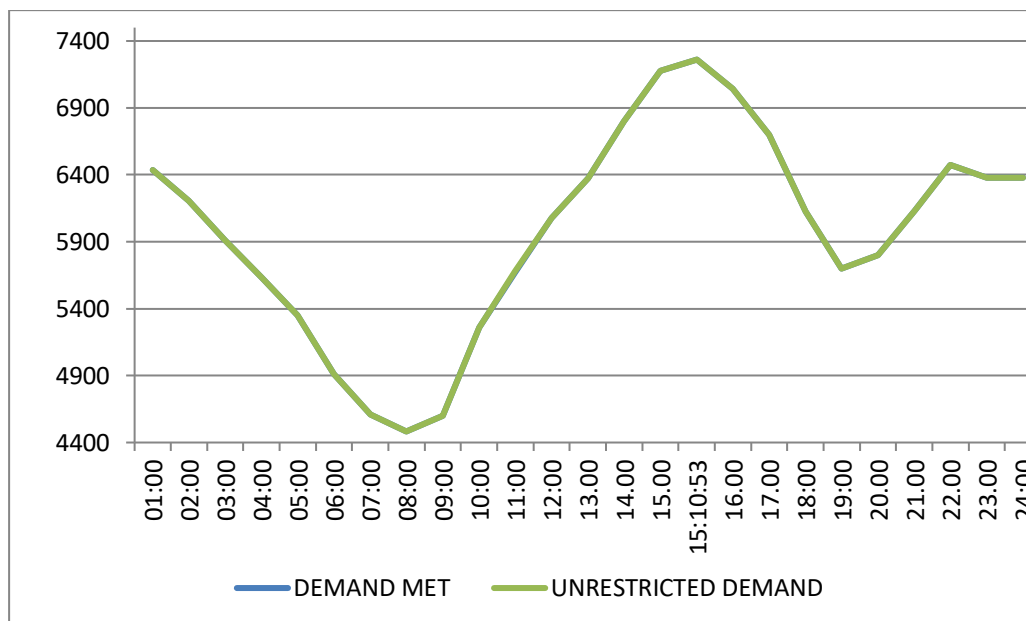
Hrs.	Demand	Load Shedding	Un-Restricted Demand
01:00	6436	0	6436
02:00	6205	0	6205
03:00	5911	0	5911
04:00	5634	0	5634
05:00	5349	0	5349
06:00	4910	0	4910
07:00	4608	0	4608
08:00	4482	0	4482
09:00	4601	0	4601
10:00	5261	0	5261
11:00	5672	8	5680
12:00	6076	0	6076
13:00	6375	0	6375
14:00	6798	0	6798
15:00	7178	0	7178
15:10:53	7261	0	7261
16:00	7044	0.0	7044
17:00	6697	0	6697
18:00	6126	0	6126
19:00	5699	0	5699
20:00	5798	0	5798
21:00	6128	0	6128
22:00	6473	0	6473
23:00	6377	0	6377
24:00	6378	0	6378
Total (IN MUS)	144.505	0.015	144.520



12 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UNRESTRICTED ENERGY DEMAND DURING JULY 2021 – ON 08.07.2021 – 144.520 MUs

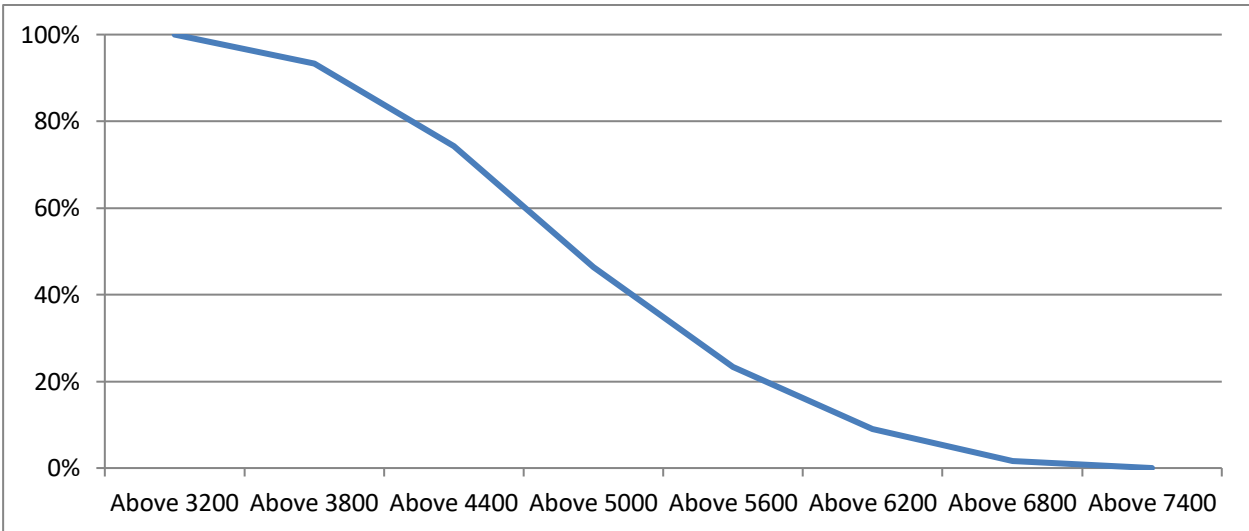
All figures in MW

Hrs.	Demand	Load Shedding	Un-Restricted Demand
01:00	6436	0	6436
02:00	6205	0	6205
03:00	5911	0	5911
04:00	5634	0	5634
05:00	5349	0	5349
06:00	4910	0	4910
07:00	4608	0	4608
08:00	4482	0	4482
09:00	4601	0	4601
10:00	5261	0	5261
11:00	5672	8	5680
12:00	6076	0	6076
13:00	6375	0	6375
14:00	6798	0	6798
15:00	7178	0	7178
15:10:53	7261	0	7261
16:00	7044	0.0	7044
17:00	6697	0	6697
18:00	6126	0	6126
19:00	5699	0	5699
20:00	5798	0	5798
21:00	6128	0	6128
22:00	6473	0	6473
23:00	6377	0	6377
24:00	6378	0	6378
Total (IN MUS)	144.505	0.015	144.520



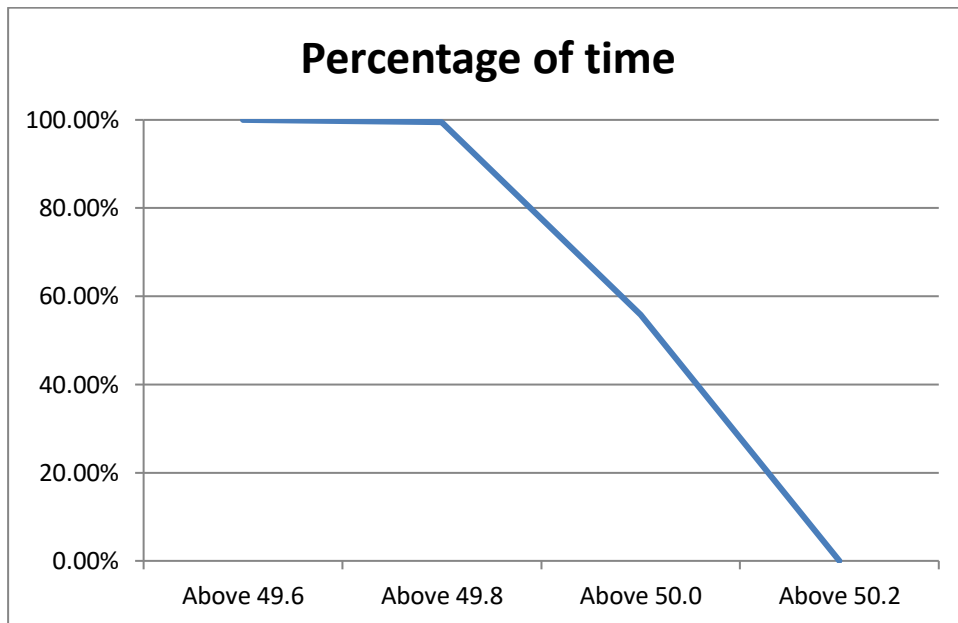
13 LOAD DURATION CURVE FOR JULY 2021

Load in MW	Percentage of Time
Above 3200	100%
Above 3800	93.28%
Above 4400	74.19%
Above 5000	46.37%
Above 5600	23.29%
Above 6200	8.97%
Above 6800	1.68%
Above 7400	0.00%



14 FREQUENCY ANALYSIS FOR THE MONTH OF JULY 2021

FREQUENCY REMAINED ABOVE IN MW	(%) OF TIME
Above 49.6	100.00%
Above 49.8	99.46%
Above 50.0	55.79%
Above 50.2	0.00%



15 VOLTAGE PROFILE OF 220 KV SUB-STATIONS IN DELHI DURING JULY 2021

All figures in kV

Date	NARELA		GAZIPUR	
	Max	Min	Max	Min
01-07-21	224.88	204.04	227.33	211.87
02-07-21	225.26	210.64	229.07	211.2
03-07-21	228.59	214.18	229.61	216.58
04-07-21	226.32	212.87	229.67	217.17
05-07-21	224.04	212.16	228.41	213.79
06-07-21	225.02	208.5	229.08	213.61
07-07-21	224.34	211.47	227.48	211.81
08-07-21	225.47	211.99	228.09	213.75
09-07-21	224.69	211.55	227.35	210.57
10-07-21	225.32	212.37	228.8	215.43
11-07-21	225.52	213.12	228.53	216.89
12-07-21	227.01	212.4	229.27	215.7
13-07-21	226.32	213.13	230.91	218.91
14-07-21	228.44	216.66	231.84	219.09
15-07-21	228.48	213.1	233.11	217.4
16-07-21	227.13	210.79	230.55	213.43
17-07-21	225.57	212.71	230.22	215.5
18-07-21	227.56	216.18	230.82	219.38
19-07-21	229.91	220.16	235.49	224.61
20-07-21	231.02	217.97	236.26	220.84
21-07-21	228.72	216.08	234.97	218.97
22-07-21	229.13	213.54	233.23	218.82
23-07-21	226.08	219.69	231.11	217.27
24-07-21	225.82	225.82	230.89	216.42
25-07-21	225.82	225.82	232.72	217.88
26-07-21	225.82	213.94	231.52	216.38
27-07-21	228.51	214.6	232.96	218.55
28-07-21	230.03	216.71	233.96	219.73
29-07-21	228.71	215.51	233.05	217.67
30-07-21	229.65	214.25	234.65	217.65
31-07-21	228.44	214.96	233.46	216.57

16 VOLTAGE PROFILE OF 400 KV SUB-STATIONS IN DELHI DURING JULY 2021

All figures in kV

Date	400kV Bamnauli Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01-07-21	417.49	07:50:20	388.49	23:19:44	401.85
02-07-21	420.84	17:33:08	387.65	14:22:24	403.79
03-07-21	420.64	18:02:22	394.89	23:11:11	406.88
04-07-21	417.54	08:01:23	393.83	23:06:20	407.15
05-07-21	415.45	06:02:29	392.33	14:23:15	404.57
06-07-21	417.96	07:01:55	391.12	22:10:59	403.22
07-07-21	414.99	07:01:26	391.98	11:59:25	402.28
08-07-21	417.5	06:02:14	393.99	22:25:53	403.95
09-07-21	417.42	18:02:23	363.06	10:24:53	406.88
10-07-21	421.31	08:03:20	398.52	22:54:07	408.09
11-07-21	419.79	17:38:13	399.72	00:12:32	410.52
12-07-21	421.19	07:01:10	399.29	23:10:20	409.44
13-07-21	423.11	07:02:00	400.49	00:11:23	412.11
14-07-21	423.62	13:19:48	403.51	09:48:17	413.47
15-07-21	424.86	06:31:04	399.06	22:09:24	410.63
16-07-21	421.41	08:00:16	394.45	12:17:48	407.56
17-07-21	421.86	06:03:29	395.82	14:45:00	408.28
18-07-21	421.23	17:56:45	402.54	00:07:40	412.36
19-07-21	426.4	07:52:30	406.65	22:29:46	416.33
20-07-21	425.1	06:01:59	405.46	11:53:00	415.06
21-07-21	423.16	02:19:38	399.84	19:35:00	410.8
22-07-21	423.62	05:01:10	401.56	19:51:14	412.22
23-07-21	420.26	06:30:44	396.8	22:15:44	408.35
24-07-21	420.75	07:01:29	394.96	19:50:46	407.34
25-07-21	423.2	07:03:47	398.25	19:49:33	408.84
26-07-21	420.96	07:01:36	398.16	22:21:00	407.9
27-07-21	423.95	07:03:25	401.18	11:23:28	411.15
28-07-21	423.91	05:36:40	401.89	19:41:08	414.7
29-07-21	420.1	05:00:46	400.62	09:26:29	412.33
30-07-21	422.99	07:06:20	399.28	12:17:04	411.6
31-07-21	420.25	04:00:31	396.4	19:40:27	408.68

All figures in kV

Date	400kV Bawana Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01-07-21	412.44	07:50:08	392.53	00:16:31	400.89
02-07-21	415.71	17:33:27	390.31	12:37:52	403.87
03-07-21	419.24	17:58:25	398.6	23:37:25	408.01
04-07-21	415.3	08:00:22	397.15	23:05:50	405.76
05-07-21	411.84	05:17:33	393.4	11:53:56	403.35
06-07-21	414.5	07:01:29	391.53	11:55:37	402.51
07-07-21	412.73	07:01:01	389.29	12:13:43	400.24
08-07-21	411.59	18:01:12	390.86	10:33:37	400.39
09-07-21	410.95	07:29:16	390.92	11:49:43	401.89
10-07-21	410.01	18:00:03	389.64	12:06:52	400.08
11-07-21	415.94	17:36:57	391.91	00:12:16	404.91
12-07-21	416.39	07:01:08	394.9	11:53:25	404.61
13-07-21	416.9	07:02:06	395.98	00:11:22	406.18
14-07-21	419.15	13:20:36	401.81	09:48:45	410.01
15-07-21	421.93	06:31:22	400.27	22:48:59	408.34
16-07-21	419.38	06:04:03	393.33	12:05:43	405.36
17-07-21	417.29	07:00:58	394.17	12:36:50	406.48
18-07-21	419.03	17:59:13	399.1	00:08:53	408.83
19-07-21	422.75	06:02:51	405.5	11:08:40	413.54
20-07-21	422.92	06:22:52	400.45	12:46:40	412.49
21-07-21	416.64	06:33:57	396.39	19:20:22	406.73
22-07-21	418.88	06:02:38	397.58	11:50:52	410.1
23-07-21	415.38	07:02:28	395.04	22:26:59	405.36
24-07-21	417.94	07:01:27	391.56	19:44:48	403.3
25-07-21	419.88	07:02:35	392.07	22:05:00	403.58
26-07-21	417.5	07:01:29	390.89	22:11:20	401.98
27-07-21	420.98	07:01:18	392.86	00:10:16	405.82
28-07-21	424.35	05:36:48	399.64	19:52:24	412.8
29-07-21	420.71	07:02:46	398	10:49:17	410.34
30-07-21	425.06	07:18:51	398.21	12:17:16	411.17
31-07-21	421.58	05:17:33	399.01	19:24:38	409.83

DETAILS OF BREAK-DOWNS / TRIPPING DURING THE MONTH OF JULY 2021

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
1	01.07.21	07:18	220kV WAZIRABAD-GEETA COLONY CKT-II	01.07.21	14:00	AT WAZIRABAD : DIST PROT, ZONE-I, DIST 5.213KM, R PHASE AT GEETA COLONY : DIST PROT, ZONE-I, O/C, E/F.
2	01.07.21	07:18	220kV WAZIRABAD-GEETA COLONY CKT-I	01.07.21	14:00	AT WAZIRABAD : DIST PROT, ZONE-I, B PHASE, DIST 5.713KM. AT GEETA COLONY : DIST PROT, ZONE-I, DIST 1.159KM, E/F, ACTIVE GROUP -I.
3	01.07.21	07:47	220kV GEETA COLONY- PATPARGANJ CKT -II	01.07.21	08:56	AT PATPARGANJ : 86ABC, SOTF, AT GEETA COLONY : ACTIVE GROUP-I, SOFT, O/C, PHASE ABC.
4	01.07.21	10:08	SUBZI MANDI 220/33kV 100MVA Tx-II	01.07.21	10:50	86, 186.
5	01.07.21	14:49	220kV BAMNAULI-PAPPANKALAN-II CKT-I	01.07.21	15:19	AT PAPANALAN-II : DIST PROT, ZONE-I, DIST 6.8KM.
6	02.07.21	17:09	220kV OKHLA - BTPS CKT.- I	02.07.21	18:15	AT OKHLA : DIST PROT, ZONE-II, DIST 5KM
7	02.07.21	20:25	GEETA COLONY 220/33kV 100MVA Tx-II	0.07.21	00:25	PRV
8	03.07.21	09:17	DSIIDC Bawana 220/66kV 100MVA Tx-II	03.07.21	14:17	BUCHOLZ.
9	04.07.21	06:40	RAJGHAT 220/33kV 100MVA Tx-2	04.07.21	10:55	186
10	05.07.21	17:40	220kV GOPALPUR-SUBZI MANDI CKT-I	05.07.21	19:55	AT GOPALPUR : DIST PROT, ZONE-I, DIST 2.96KM, Y&B PHASE.
11	06.07.21	14:22	220kV NARELA - MANDOLA CKT-II	06.07.21	21:51	AT NARELA : DIST PROT, DIST 11.72KM.
12	06.07.21	14:22	220kV NARELA - MANDOLA CKT-I	06.07.21	16:34	AT NARELA : DIST PROT, ZONE-I, DIST 4.762KM.
13	06.07.21	14:22	NARELA 220/66kV 100MVA Tx-III	06.07.21	16:16	RLV.
14	06.07.21	18:52	MEHRAULI 220/66kV 100MVA Tx-III	06.07.21	19:58	86
15	07.07.21	11:59	NARELA 220/66kV 100MVA Tx-III	07.07.21	13:58	E/F.
16	07.07.21	13:05	220kV GOPALPUR- MANDOLACKT-II	07.07.21	15:50	AT GOPALPUR : DIST PROT, DIST 22.52KM, E/F, B PHASE.
17	07.07.21	13:53	220 KV GOPALPUR-WAZIRABAD CKT - 1	07.07.21	15:00	AT GOPALPUR : DIST PROT, DIST 5.0KM. E/F.
18	07.07.21	16:25	220kV WAZIRABAD - KASHMEREGATE CKT-I	07.07.21	17:53	AT KASHMIRI GATE : DISTANCE RELAY, Y PHASE.
19	07.07.21	17:08	220kV MAHARANI BAGH - SARITA VIHAR CKT	07.07.21	19:06	AT SARITA VIHAR : DIST PROT, ZONE-I, DIST 4.61KM,
20	09.07.21	10:25	BAMNAULI 400/220kV 315MVA ICT-I	09.07.21	14:26	Y PHASE BUSHING DAMAGE, REF.
21	10.07.21	06:25	GOPALPUR 220/66kV 160MVA Tx	10.07.21	09:15	DIFFERENTIAL.
22	10.07.21	18:46	RAJGHAT 220/33kV 100MVA Tx-2	10.07.21	21:25	E/F.
23	13.07.21	8:27	PAPPANKALAN-III 220/66kV 160MVA Tx-II	13.07.21	13:37	DIFFERENTIAL, 86A&B.
24	13.07.21	9:29	OKHLA 220/33kV 100MVA Tx-V	13.07.21	14:24	PRV, 86.
25	13.07.21	10:00	MEHRAULI 220/66kV 100MVA Tx-II	13.07.21	11:50	86
26	14.07.21	01:20	220kV BAMNAULI-PAPPANKALAN-II CKT-II	14.07.21	01:22	AT PAPANALAN-II : DIST PROT, 86, DIFFERENTIAL, R&Y PHASE.
27	14.07.21	11:30	OKHLA 220/33kV 100MVA Tx-IV	14.07.21	12:20	BUCHOLZ.
28	14.07.21	16:42	HARSH VIHAR 400/220kV 315MVA ICT-I	14.07.21	19:49	86
29	14.07.21	22:44	HARSH VIHAR 400/220kV 315MVA ICT-I	15.07.21	02:28	86
30	16.07.21	13:34	VASANT KUNJ 220/66kV 100MVA Tx-II	16.07.21	14:27	86
31	16.07.21	13:34	VASANT KUNJ 220/66kV 160MVA Tx-I	16.07.21	21:00	I/C TRIPPED ON 86.
32	16.07.21	13:34	VASANT KUNJ 220/66kV 100MVA Tx-III	16.07.21	14:29	86
33	17.07.21	11:30	MUNDKA 400/220kV 315MVA ICT-III	17.07.21	11:38	IDMT, O/C.
34	17.07.21	11:30	MUNDKA 400/220kV 315MVA ICT-II	17.07.21	19:37	BUCHOLZ.
35	18.07.21	10:26	PARKSTREET 220/33kV 100MVA Tx-I	18.07.21	10:38	E/F, 86
36	19.07.21	8:07	KANJHAWALA 220/66kV 100MVA Tx-II	19.07.21	08:30	86
37	19.07.21	17:17	KANJHAWALA 220/66kV 160MVA Tx-I	20.07.21	13:25	86
38	19.07.21	19:13	BAMNAULI 400/220kV 500MVA ICT-II	19.07.21	22:48	TRIPPED WITHOUT INDICATION.
39	20.07.21	12:45	400kV Mandola-Bawana Ckt-II	22.07.21	13:34	ATBAWANA : TRIPPED WITHOUT INDICATION.
40	22.07.21	12:09	220KVBAWANA- ROHINI CKT-I	22.07.21	12:53	AT BAWANA : DIST PROT, ZONE-II, 186A&B, DIST 137MTS.

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
41	22.07.21	12:10	220kV ROHINI-SHALIMARBAGH CKT-I	22.07.21	16:55	AT ROHINI : 86ABC, DIST PROT, ZONE-I.
42	22.07.21	19:20	220kV MAHARANI BAGH - SARITA VIHAR CKT	22.07.21	22:50	AT SARITA VIHAR : DIST PROT, ZONE-II, DIST 8.61KM, AB PHASE. AT MAHARANI BAGH : RY PHASE.
43	23.07.21	10:07	BAWANA 400/220kV 315MVA ICT-VI	23.07.21	14:09	GROUP A, GROUP B
44	26.07.21	10:00	PAPPANKALAN-II 220/66kV 100MVA Tx-I	26.07.21	12:15	SPR.
45	28.07.21	21:15	SUBZI MANDI 33/11kV, 16MVA Tx-I	29.07.21	02:33	86
46	28.07.21	23:45	PARKSTREET 220/33kV 100MVA Tx-I	29.07.21	01:15	TRIPPED WITHOUT INDICATION.
47	29.07.21	9:22	MEHRAULI 220/66kV 100MVA Tx-I	29.07.21	10:15	TRIPPED WITHOUT INDICATION.
48	29.07.21	11:00	220kV WAZIRABAD - KASHMEREGATE CKT-I	29.07.21	17:48	AT WAZIRABAD : TRIPPED WITHOUT INDICATION.
49	29.07.21	12:55	ROHINI 220/66kV 100MVA Tx-I	29.07.21	13:16	86
50	29.07.21	18:15	R K PURAM 220/66kV 160MVA Tx-II	29.07.21	19:14	DIFFERENTIAL, O/C, E/F.
51	30.07.21	08:43	220kV PRAGATI - PARK STREET CKT-II	30.07.21	11:25	AT PRAGATI : DIST PROT, ZONE-II, III, O/C, E/F.
52	30.07.21	13:15	KASHMIRI GATE 33/11kV, 20MVA Tx	30.07.21	13:44	DIFFERENTIAL.

18 DETAILS OF UNDER FREQUENCY RELAY OPERATIONS IN DELHI POWER SYSTEM DURING THE MONTH OF JULY 2021

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