DELHI TRANSCO LTD.

STATE LOAD DISPATCH CENTER

PROGRESS REPORT

****

JULY - 2020

1 SALIENT FEATURES OF DELHI POWER SYSTEM

Sr. No.	Features	JUL. 2019	JUL. 2020
1	**Effective Generation Capacity within Delhi in MW**		
	Rajghat Power House	135	135
	Gas Turbine	270	270
	Pragati Power Corporation Ltd.	330	330
	Bawana CCGT	1371	1371
	TOWMCL (Waste to Energ Plant)	16	16
	EDWPCL (Waste to Energ Plant)	10	10
	DMSWL (Waste to Energ Plant)	24	24
	Total	2156	2156
2	**Maximum Unrestricted Demand (MW)**	**7409**	**6310**
	Date	02.07.19	03.07.20
	Time	15.37.07	**14.17.48**
3	**Peak Demand met (MW)**	**7409**	**6310**
	Date	02.07.19	03.07.20
	Time	15.37.07	**14.17.48**
4	Peak Availability (MW)	7315	6453
5	Shortage (-) / Surplus (+) in MW	(-) 94	(+) 143
6	Percentage Shortage (-) / Surplus (+)	(-) 1.27	(+) 2.27
7	Maximum Energy Consume in a day (Mus)	146.947	129.600
8	Energy Consumed during the month	**3769.368**	**3313.137**
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	0.073	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	**0.073**	**0.000**
B)	Due to Constraints in System in Mus		
	DTL	0.518	0.156
	TPDDL	0.127	0.077
	BRPL	0.884	0.216
	BYPL	0.169	0.131
	NDMC	0.007	0.000
	MES	0.000	0.000
	Other Agencies	0.004	0.000
	Total	**1.709**	**0.580**
10	**Grand Total in Mus**	**1.782**	**0.580**

2. PERFORMANCE OF GENERATING STATIONS WITHIN DELHI DURING JULY 2020

A) For the month of Jul 2020

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	0.123	-0.123	0.00	0.000
2.	**GT**	60.155	2.096	58.059	29.77	107.609
3.	**PPCL**	177.785	4.096	173.689	73.12	49.970
4.	**Bawana**	236.987	9.373	227.614	83.15	600.158
5.	**Towmcl**	15.022	2.139	12.883	--	--
6.	**EDWPCL**	2.745	0.885	1.860	--	--
7.	**DMSWL**	15.003	2.355	12.648	--	--
	TOTAL	**507.697**	**21.067**	**486.63**	**--**	**757.737**

B) For the Year 2020-21 (Upto July 2020)

Power Station	Effective Capacity (MW)	Net Generation in MUs for Jul. 2020	Availability PLF (%) for Jul. 2020	PLF (%) for Jul 2020	Cumulative Generation in MUs upto Jul. 2020 for the year 2020-21	Cumulative Availability in % upto Jul . 2020 for the year 2020-21
RPH	135	-0.123	0.00	-0.015	-0.487	0.00
GT	270	58.059	85.00	21.73	166.845	85.53
PPCL	330	173.689	94.10	59.36	554.343	93.82
Bawana	1372	227.614	82.82	87.45	1010.526	87.56
Towmcl	16	12.883	--	--	49.729	--
EDWPCL	10	1.860	--	--	3.690	--
DMSWL	24	12.648	--	--	46.183	--
TOTAL	2936	**486.63**	**--**	**--**	**1830.829**	**--**

3 DETAILS OF OUTAGES OF GENERATING STNS. WITHIN DELHI W.E.F. APRIL 2020

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**	1-04-20	2:19	1-04-20	02:40	Unit tripped due to high LTTH
		1-04-20	8:30	16-04-20	16:05	Low Demand
		17-04-20	9:05	17-4-20	12:15	Low Demand
		21-04-20	03:15	25-4-20	10:40	GT tripped due to excitation trouble
		10-05-20	12:45	22-05-20	13:33	Low down
		23-05-20	5:40	23-05-20	09:45	Unit tripped due to failure of controller and I/O Pack
		26-05-20	12:45	26-05-20	13:30	Unit tripped due to fuse failure of field devices
		29-05-20	01:30	06-06-20	14:12	Low Demand
		06-06-20	18:10	09-06-20	13:40	Low Demand
		10-06-20	19:30	12-06-20	12:48	Low Demand
		07-07-20	9:00	07-07-20	12:18	To attend hot spot on R Phase Bus Isolator in 66 Kv switchyard and C&I I/O pack problem.
		29-07-20	15:45	31-07-20	24:00	Low demand
2	**30**	1-4-20	0:00	1-4-20	4:51	Low Demand
		16-4-20	15:30	16-4-20	16:05	GT tripped due to excitation trouble
		16-4-20	16:05	17-4-20	8:00	Low Demand
		17-4-20	11:40	17-4-20	13:30	GT tripped due to excitation trouble
		17-4-20	13:30	21-4-20	04:06	Low Demand
		25-4-20	10:10	25-4-20	10:40	Low Demand
		25-4-20	10:40	06-05-20	20:09	Low Demand
		22-5-20	11:52	22-5-20	18:33	Unit tripped due to tripping of both 160 MVA IBT Txs
		06-06-20	13:43	06-06-20	17:25	Unit tripped due to start up fuel flow excessive trip and loss of flame trip.
		29-07-20	15:46	31-07-20	24:00	Low demand
3	**30**	01-04-20	0:00	31-7-20	24:00	Low Demand
4	**30**	01-04-20	0:00	31-07-20	24:00	Low Demand
5	**30**	01-04-20	0:00	22-05-20	16:57	Low Demand
		22-05-20	19:58	27-07-20	18:35	Low Demand
6	**30**	01-04-20	0:00	24-05-20	19:00	Low Demand
		29-5-20	1:30	27-07-20	18:06	Low demand

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
ST G-1	30	1-4-20	1:52	1-4-20	8:24	Tripped due to operation of channel-1 & channel -II tripping
		16-4-20	15:30	16-4-20	18:36	STG stopped due to tripping of GT#2
		17-4-20	11:40	17-4-20	14:05	STG stopped due to tripping of GT#2
		21-4-20	3:15	21-4-20	06:08	STG stopped due to tripping of GT#1
		25-4-20	10:10	25-4-20	11:15	STG stopped due to tripping of GT#1
		22-5-20	11:52	22-5-20	19:36	Unit tripped due to Grid disturbance
		06-06-20	13:43	06-06-20	15:46	Unit tripped due to GT#2 tripped.
		07-07-20	09:00	07-07-20	12:48	STG out due to GT#1 outage
		29-07-20	15:46	31-07-20	24:00	Low demand
ST G-2	30	01-04-20	0:00	31-07-20	24:00	Low Demand
ST G-3	30	01-04-20	0:00	24-05-20	23:09	Low Demand
		24-05-20	23:22	25-05-20	02:49	Unit out due to high turbine Vibration
		29-05-20	1:30	27-07-20	24:00	Low Demand

(C) PRAGATI

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	104	01.04.20	00:00	17.04.20	17:33	GT-1 started swat GT-2
		17.04.20	16:24	30.04.20	24:00	GT-1 stopped
		02.05.20	07:09	02.05.20	10:45	To attend hot spot
		20.05.20	14:20	22.05.20	09:00	GT-1 started swat GT-2
		22.05.20	09:00	25.05.20	21:00	Shut-down for planned maintenance
		25.05.20	21:00	26.05.20	12:04	GT-1 started swat GT-2
		06.06.20	16:52	06.06.20	21:00	GT-1 started swat GT-2
		06.06.20	21:00	07.06.20	12:00	Internal Fault
		07.06.20	12:00	12.06.20	13:50	Low demand
		21.07.20	02:24	27.07.20	15:08	Low demand
2	104	17.04.19	18.47	18.04.19	12.45	Tripped on internal fault.
		01.05.20	00:00	20.05.20	12:00	GT-2 started swat GT-1
		22.05.20	12:50	22.05.20	14:00	Due to Grid Disturbance
		27.05.20	00:07	06.06.20	15:28	Low demand
		28.07.20	12:57	31.07.20	19:23	Low demand
STG	122	02.05.20	07:13	02.05.20	12:25	To attend hot spot
		20.05.20	14:48	20.05.20	16:46	STG tripped due to Grid Disturbance
		22.05.20	11:52	22.05.20	18:16	STG tripped due to Grid Disturbance
		24.05.20	06:23	24.05.20	07:33	Internal fault
		10.06.20	17:57	10.06.20	23:33	Due to Grid Disturbance

(D) BAWANA CCGT POWER STATION

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	216	27.06.20	23:10	28.06.20	18:00	Unit tripped due to fault in Thyristor Bridge Excitation Transformer
		19.07.20	09:00	19.07.20	14:00	GT#1 unloaded on high filter D.P. protection due to bad weather
		22.07.20	12:01	22.07.20	16:10	GT#1 unloaded on high filter D.P. protection due to bad weather
		23.07.20	04:32	23.07.20	08:40	GT#1 unloaded on high filter D.P. protection due to bad weather
		31.07.20	09:00	31.07.20	17:16	Unit tripped on high exhaust temperature Spread Trip
2	216	28.06.20	00:00	28.06.20	18:00	Unit take out of DC due to no back up supply
		10.07.2020	18:16	10.07.20	21:13	Failure of TK-2 Fan motor resulted in tripping of LT supply causing tripping of all auxiliaries including Lube Oil pumps of GT. GT#2 tripped on low lube oil pressure.
		22.07.20	04:29	22.07.20	18:30	GT#2 unloaded on high filter D.P. protection due to bad weather
3	216	26.05.20	16:11	26.05.20	20:32	Unit tripped on closing of ASV along with ½ STG
4	216	13.06.20	14:00	14.06.20	06:49	To attend fault on Bus-1 'R' Phase
STG -1	254	27.06.20	00:00	28.06.20	00:00	½ STG taken out due to outage of GT-1.
		28.06.20	00:00	28.06.00	18:00	STG is taken out out due to non availability of GT-1 & 2
		05.07.20	15:24	05.07.20	17:30	GT#1 Diverter damper closed due to failure of Trip Solenoid
		10.07.20	18:21	10.07.20	22:13	Half STG taken out due to outage of GT#2
		19.07.20	09:00	19.07.20	14:00	Half STG taken out due to outage of GT#1
		22.07.20	04:29	22.07.20	18:30	Half STG taken out due to outage of GT#2
		22.07.20	12:01	22.07.20	16:10	Half STG taken out due to outage of GT#1
		23.07.20	04:36	23.07.20	10.18	Half STG taken out due to outage of GT#1
		30.07.20	10:35	30.07.20	15:37	STG stopped due to problem in Y phase LA of STG 1 Transformer
		31.07.20	09:00	31.07.20	19:56	Half STG taken out due to outage of GT#1
STG -2	254	21.05.20	16:41	21.05.20	17:51	Unit tripped due to Main Steam Temperature low
		26.05.20	16:11	26.05.20	21:30	Unit tripped on closing of ASV along with ½ GT-3
		13.06.20	14:00	14.06.20	06:49	½ STG taken out due to outage of GT-4
		29.06.20	02:16	29.06.20	04:18	Unit tripped on Pulse Failure in Channel-I & II due to UC voltage
		09.07.20	13:30	31.07.20	23.59	STG#2 taken out due to suspected stator earth fault

4 ALLOCATION OF POWER TO DISCOMS

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

Name of the Stn	Installed capacity in MW	Capacity Allocation to Delhi In%	Capacity Allocation to Delhi in MW	DISCOMWISE CAPACITY ALLOCATION IN MW						
				BRPL	BYPL	TPDDL	NDMC	MES	RPH	NR
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										
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**		**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		
Dhauli 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	NDMC	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				
NPC (NUCLEAR)										
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**
Allocation from ER										
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**
Allocation from Long term Bilateral										
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) ALLOCTION 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	TPDDL	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		
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**		**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		
Dhauli 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		
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**	**14.83**	**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**

5 POWER AVAILABILITY-DEMAND POSITION AT THE TIME OF PEAK DEMAND MET DURING JULY 2020

Date	Time of peak demand		Generation within Delhi						Import from the Grid	Schedule from the Grid	OD(-) / UD(+)	Demand met	Shedding	Un-Restricted Demand
		GT	PPCL	Bawana	TOWMCL	EDWPCL	DMSWL	Total						
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9) = (3) to (8)	(10)	(11)	(12)= (11) - (10)	(13)= (11)+ (12)	(14)	(15)= (13)+ (14)
1	22.59.44	75	269	606	16	-1	17	982	4976	4966	10	5958	0	5958
2	23.11.21	74	291	620	18	1	19	1023	5175	5394	-219	6198	10	6208
3	14.17.48	74	282	594	17	4	18	989	5321	5464	-143	6310	0	6310
4	23.30.00	73	270	470	18	3	17	851	5138	4967	171	5989	0	5989
5	00.00.06	75	259	466	17	5	17	839	4973	4800	173	5812	0	5812
6	15.03.12	74	266	302	18	-1	17	676	4451	4423	28	5127	0	5127
7	00.00.13	75	295	301	19	-1	15	704	4193	4309	-116	4897	0	4897
8	15.16.57	74	260	274	16	-1	17	640	4289	4192	97	4929	0	4929
9	23.00.07	75	286	310	19	0	8	698	4955	4900	55	5653	0	5653
10	15.23.59	74	287	299	15	0	9	684	5089	5044	45	5773	0	5773
11	23.20.09	75	262	309	19	7	17	689	4843	5051	-208	5532	0	5532
12	00.00.00	75	261	310	17	0	17	680	4746	4647	99	5426	0	5426
13	23.20.34	75	287	289	16	4	17	688	4746	4860	-114	5434	0	5434
14	22.59.59	74	295	303	19	4	18	713	5209	5134	75	5922	0	5922
15	00.00.02	75	295	304	17	2	17	710	5017	5154	-137	5727	0	5727
16	23.22.19	75	268	300	18	4	17	682	5029	5136	-107	5711	0	5711
17	23.14.34	75	291	305	14	6	16	707	5055	5220	-165	5762	0	5762
18	00.00.08	75	264	305	14	1	17	676	4936	4993	-57	5612	0	5612
19	00.00.07	75	289	312	13	7	17	713	4744	4795	-51	5457	0	5457
20	00.00.00	71	267	274	13	4	17	646	4387	4384	3	5033	0	5033
21	00.00.02	71	273	247	13	3	17	624	3865	3998	-133	4489	0	4489
22	10.50.09	68	147	36	19	0	19	289	3601	3493	108	3890	0	3890
23	23.09.19	72	150	303	17	6	9	557	3915	3973	-58	4472	0	4472
24	15.02.29	73	148	300	16	4	9	550	4328	4222	106	4878	0	4878
25	23.01.10	73	150	306	18	3	18	568	4268	4332	-64	4836	0	4836
26	23.00.30	73	150	309	17	4	16	569	4718	4671	47	5287	0	5287
27	16.39.43	73	150	298	18	5	18	562	4895	4913	-18	5457	0	5457
28	22.53.40	149	137	304	19	2	20	631	5476	5502	-26	6107	0	6107
29	00.00.40	149	138	304	18	0	19	628	5313	5397	-84	5941	0	5941
30	23.28.47	88	147	319	19	4	18	595	4336	4465	-129	4931	0	4931
31	23.10.57	88	301	310	19	-1	18	735	4412	4553	-141	5147	0	5147

6 POWER AVAILABILITY- DEMAND POSITION AT THE TIME OF MAXIMUM UNRESTRICTED DEMAND DURING JULY2020

Date	Time of peak demand		Generation within Delhi						Import from the Grid	Schedule from the Grid	OD(-) / UD(+)	Demand met	Shedding	Un-Restricted Demand
		GT	PPCL	Bawana	TOWMCL	EDWPCL	DMSWL	Total						
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9) = (3) to (8)	(10)	(11)	(12)= (11) - (10)	(13)= (11)+ (12)	(14)	(15)= (13)+ (14)
1	22.59.44	75	269	606	16	-1	17	982	4976	4966	10	5958	0	5958
2	23.11.21	74	291	620	18	1	19	1023	5175	5394	-219	6198	10	6208
3	14.17.48	74	282	594	17	4	18	989	5321	5464	-143	6310	0	6310
4	23.30.00	73	270	470	18	3	17	851	5138	4967	171	5989	0	5989
5	00.00.06	75	259	466	17	5	17	839	4973	4800	173	5812	0	5812
6	15.03.12	74	266	302	18	-1	17	676	4451	4423	28	5127	0	5127
7	00.00.13	75	295	301	19	-1	15	704	4193	4309	-116	4897	0	4897
8	15.16.57	74	260	274	16	-1	17	640	4289	4192	97	4929	0	4929
9	23.00.07	75	286	310	19	0	8	698	4955	4900	55	5653	0	5653
10	15.23.59	74	287	299	15	0	9	684	5089	5044	45	5773	0	5773
11	23.20.09	75	262	309	19	7	17	689	4843	5051	-208	5532	0	5532
12	00.00.00	75	261	310	17	0	17	680	4746	4647	99	5426	0	5426
13	23.20.34	75	287	289	16	4	17	688	4746	4860	-114	5434	0	5434
14	22.59.59	74	295	303	19	4	18	713	5209	5134	75	5922	0	5922
15	00.00.02	75	295	304	17	2	17	710	5017	5154	-137	5727	0	5727
16	23.22.19	75	268	300	18	4	17	682	5029	5136	-107	5711	0	5711
17	23.14.34	75	291	305	14	6	16	707	5055	5220	-165	5762	0	5762
18	00.00.08	75	264	305	14	1	17	676	4936	4993	-57	5612	0	5612
19	00.00.07	75	289	312	13	7	17	713	4744	4795	-51	5457	0	5457
20	00.00.00	71	267	274	13	4	17	646	4387	4384	3	5033	0	5033
21	00.00.02	71	273	247	13	3	17	624	3865	3998	-133	4489	0	4489
22	10.50.09	68	147	36	19	0	19	289	3601	3493	108	3890	0	3890
23	23.09.19	72	150	303	17	6	9	557	3915	3973	-58	4472	0	4472
24	15.02.29	73	148	300	16	4	9	550	4328	4222	106	4878	0	4878
25	23.01.10	73	150	306	18	3	18	568	4268	4332	-64	4836	0	4836
26	23.00.30	73	150	309	17	4	16	569	4718	4671	47	5287	0	5287
27	16.39.43	73	150	298	18	5	18	562	4895	4913	-18	5457	0	5457
28	22.53.40	149	137	304	19	2	20	631	5476	5502	-26	6107	0	6107
29	00.00.40	149	138	304	18	0	19	628	5313	5397	-84	5941	0	5941
30	23.28.47	88	147	319	19	4	18	595	4336	4465	-129	4931	0	4931
31	23.10.57	88	301	310	19	-1	18	735	4412	4553	-141	5147	0	5147

7 SOURCEWISE SCHEDULED DRAWL FROM NORTHERN GRID AS WELL AS AVAILABILITY WITHIN DELHI FOR JULY 2020

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

A (i) RPH	0.000
(ii) GT+STG	60.155
(iii) PRAGATI	177.785
(iv) RITHALA	0.000
(v) BAWANA CCGT	236.987
(vi) Timarpur – Okhla	15.022
EDWPCL	2.745
DMSWL	15.003
TOTAL	507.697
B) AVAILABILITY FROM BTPS	-0.265
C) AUXILIARY CONSUMPTION OF GENERATING STNs. EXCLUDING BTPS	21.067
D) NET GENERATION AVAILABLE WITHIN DELHI(A+B-C)	**486.365**

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	6.568	6.418	6.568	6.418
SALAL	59.312	58.249	59.312	58.249
SASAN	291.299	283.850	286.705	279.375
TANKAPUR	6.583	6.448	6.583	6.448
CHAMERA	28.838	28.252	28.838	28.252
CHAMERA -II	9.483	9.313	9.483	9.313
CHAMERA -III	21.072	20.642	21.072	20.642
DHAULIGANGA	27.289	26.731	27.289	26.731
SEWA -2	5.556	5.457	5.556	5.457
URI	38.420	37.825	38.420	37.825
URI-II	23.801	23.375	23.801	23.375
KOLDAM	0.000	0.000	0.000	0.000
KOTESHWAR	9.687	9.465	9.687	9.465
PARBATI3	16.341	16.008	16.341	16.008
RAMPUR	0.000	0.000	0.000	0.000
ANTA (CRF)	0.000	0.000	0.000	0.000
ANTA (GAS)	9.285	9.028	5.089	4.948
ANTA (RLNG)	8.639	8.400	1.399	1.362
ANTA (LIQUID)	10.486	10.193	0.007	0.007
DADRI (CRF)	0.000	0.000	0.000	0.000
DADRI (GAS)	10.180	10.022	8.354	8.225
DADRI (RLNG)	15.852	15.608	2.800	2.758
DADRI (LIQUID)	30.839	30.361	0.001	0.001
AURAIYA (CRF)	0.000	0.000	0.000	0.000
AURAIYA (GAS)	0.233	0.227	0.165	0.161
AURAIYA (RLNG)	6.228	6.077	0.825	0.804
AURAIYA (LIQUID)	43.567	42.428	0.005	0.005
SINGRAULI	83.871	81.331	75.419	73.137
SINGRAULI_HYDRO	0.674	0.654	0.674	0.654
RIHAND -I	57.063	55.337	49.326	47.836
RIHAND -II	79.914	77.495	71.742	69.573
RIHAND -III	89.799	87.500	82.547	80.435
UNCHAHAR-I	16.182	15.772	11.680	11.384
UNCHAHAR-II	31.072	30.283	22.508	21.937
UNCHAHAR-III	19.635	19.137	14.341	13.978
UNCHAHAR-IV	0.000	0.000	0.000	0.000
DADRI (TH)	503.935	496.126	51.487	50.699
DADRI (TH) STAGE-II	507.762	499.918	238.430	234.758

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
BRBCL (NABIPUR-BIHAR)	3.075	3.024	2.000	1.966
TALCHER FOR AUX. OF BTPS	1.336	1.310	0.885	0.868
NAPP	28.544	27.805	28.488	27.750
RAPP 'B'	0.000	0.000	0.000	0.000
RAPP 'C'	37.142	35.830	37.142	35.830
NATHPA JHAKRI	113.367	110.774	113.367	110.774
DULASTI	35.796	35.155	35.796	35.155
TEHRI	13.888	13.570	13.888	13.570
JHAJJAR	485.969	478.461	0.027	0.026
KHELGAON	30.899	30.381	24.305	23.898
KHELGAON-II	78.953	77.629	66.301	65.190
FARAKA	15.381	15.086	10.634	10.430
TALA	23.070	22.626	23.070	22.626
DVC	232.532	231.004	231.004	229.797
TUTICORIN - BRPL	15.952	15.802	15.802	15.720
MADHYA PRADESH	0.110	0.109	0.109	0.109
GUJRAT	0.130	0.129	0.129	0.129
KARNATAKA	31.375	30.844	30.844	30.682
NAGALAND	0.000	0.000	0.000	0.000
CHATTISHGARH	0.000	0.000	0.000	0.000
UTTRAKHAND	0.000	0.000	0.000	0.000
REGL (ADANI) CHATTISHGARH	0.000	0.000	0.000	0.000
RPREL (ADANI) CHATTISHGARH	94.458	93.229	93.229	92.739
KWHEP (HP)	0.000	0.000	0.000	0.000
SAINJ (HP)	15.622	15.423	15.423	15.342
BGTPP (ASSAM)	0.333	0.329	0.329	0.328
BIHAR	0.555	0.547	0.547	0.544
DBPL (CHATTISHGARH)	0.978	0.965	0.965	0.960
MANIPUR	0.954	0.947	0.947	0.942
BALCO (Chattishgarh)	0.060	0.060	0.060	0.059
FSTPP-III (WEST BENGAL)	0.000	0.000	0.000	0.000
SIKKIM	3.803	3.768	3.768	3.749
TAMILNAIDU	99.494	98.561	98.561	98.043
SEIL PROJECT-II(ANDHRA PRADESH)	25.459	25.156	25.156	25.024
MEGHALAYA	10.182	10.075	10.075	10.024
ANDHRA	0.372	0.368	0.368	0.366
DGEN (GUJRAT)	0.451	0.449	0.449	0.446
ESSAR_MAHAN (MP)	0.229	0.227	0.227	0.226
METHON POWER(NDPL)LT-06	166.139	165.046	165.046	164.184
DVC MEJIA (LT-08)(BYPL)	66.545	66.107	66.107	65.761
Acme_RUMS	0.998	0.990	0.990	0.985
Arinsun_RUMS	0.982	0.974	0.974	0.969
Mahindra_RUMS	0.967	0.959	0.959	0.954
URS	0.403	0.401	0.403	0.401
JAMMU & KASHMIR	9.023	8.954	8.954	8.907
HIMACHAL PRADESH	319.663	315.586	315.586	313.927
JHABUA (MP)	0.000	0.000	0.000	0.000
GOA	2.784	2.776	2.776	2.761
KERALA	109.054	107.756	107.756	107.190
ARUNACHAL PRADESH	6.519	6.448	6.448	6.415
HIMACHAL PRADESH LT-59 DVC	7.611	7.514	7.514	7.474
HARYANA (LT-05)	30.979	30.788	30.788	30.622
MP(SOLAR RUMS)	13.425	13.318	13.318	13.247
HP TPDDL (NANTI)	7.884	7.784	7.784	7.743
ALFANAR WIND(BRPL) GUJRAT	1.035	1.030	1.030	1.025
ALFANAR WIND(BYPL) (GUJRAT)	0.345	0.343	0.343	0.342
KSMPL BHADLA(RAJASTHAN)	2.423	2.382	2.382	2.371
ALFANAR WIND(TPDDL)(GUJRAT)	0.345	0.343	0.343	0.341
ADHPL (HP)	29.178	28.807	28.807	28.657
ODHISHA	0.040	0.040	0.040	0.040
ORISSA MT-20 JITPL -DVC	5.889	5.821	5.821	5.791
GMRKEL (GUJRAT)	0.200	0.199	0.199	0.198
MIZORAM	0.769	0.751	0.751	0.747
RAJASTHAN(SOLAR) BRPL-LT36	3.638	3.573	3.573	3.554
RAJASTHAN(SOLAR) BYPL - LT-35	3.507	3.444	3.444	3.426

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
RAJASTHAN(SOLAR) TPDDL LT-31	3.500	3.438	3.438	3.420
HP TARANDA (RAILWAYS)	9.241	9.123	9.123	9.075
TO NAGALAND	0.000	0.000	0.000	0.000
TO ANDHRA	0.000	0.000	0.000	0.000
TO UTTAR PRADESH	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 GOA	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
BTPS TO MP	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)	130.655	129.973	130.655	129.973
TO POWER EXCHANGE (IEX)	-36.359	-36.740	-36.359	-36.740
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)	-21.033	-21.251	-21.033	-21.251
TO SHARE PROJECT (PUNJAB)	-21.404	-21.625	-21.404	-21.625
REAL TIME MANAGEMENT (RTM)	39.906	39.707	39.906	39.707
TO REAL TIME MANAGEMENT (RTM)	-27.349	-27.635	-27.349	-27.635
TOTAL	**4337.434**	**4264.698**	**2919.462**	**2876.490**

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	1528.290	1498.921	638.798	624.626
NTPC - ER	125.233	123.095	101.240	99.518
NHPC	279.059	273.874	279.059	273.874
NPC	65.686	63.635	65.630	63.581
SASAN	291.299	283.850	286.705	279.375
KOTESHWAR	9.687	9.465	9.687	9.465
NATHPA JHAKRI	113.367	110.774	113.367	110.774
TALCHER FOR AUX. OF BTPS	1.336	1.310	0.885	0.868
TEHRI	13.888	13.570	13.888	13.570
TALA	23.070	22.626	23.070	22.626
JHAJJAR	485.969	478.461	0.027	0.026
RAJASTHAN SOLAR(BRPL)T-36	3.638	3.573	3.573	3.554
RAJASTHAN SOLAR(BYPL)T-35	3.507	3.444	3.444	3.426
RAJASTHAN SOLAR(TPDDL)T-31	3.500	3.438	3.438	3.420
DVC	232.532	231.004	231.004	229.797
TUTICORIN BRPL	15.952	15.802	15.802	15.720
MADHYA PRADESH	0.110	0.109	0.109	0.109
GUJRAT	0.130	0.129	0.129	0.129
KARNATAKA	31.375	30.844	30.844	30.682
NAGALAND	0.000	0.000	0.000	0.000
CHATTISHGARH	0.000	0.000	0.000	0.000
UTTRAKHAND	0.000	0.000	0.000	0.000
REGL (ADANI) CHATTISHGARH	0.000	0.000	0.000	0.000
RPREL (ADANI)CHATTISHGARH	94.458	93.229	93.229	92.739
KWHEP (HP)	0.000	0.000	0.000	0.000
SAINJ (HP)	15.622	15.423	15.423	15.342
BGTPP (ASSAM)	0.333	0.329	0.329	0.328
BIHAR	0.555	0.547	0.547	0.544
DBPL (CHATTISHGARH)	0.978	0.965	0.965	0.960
MANIPUR	0.954	0.947	0.947	0.942
BALCO (Chattishgarh)	0.060	0.060	0.060	0.059
FSTPP -III (WEST BENGAL)	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
SIKKIM	3.803	3.768	3.768	3.749
TAMILNAIDU	99.494	98.561	98.561	98.043
SEIL PROJECT-II(ANDHRA PRADESH)	25.459	25.156	25.156	25.024
MEGHALAYA	10.182	10.075	10.075	10.024
ANDHRA	0.372	0.368	0.368	0.366
DGEN (GUJRAT)	0.451	0.449	0.449	0.446
ESSAR_MAHAN (MP)	0.229	0.227	0.227	0.226
METHON POWER (NDPL)-LT-06	166.139	165.046	165.046	164.184
DVC MEJIA (LT-08)(BYPL)	66.545	66.107	66.107	65.761
Acme_RUMS	0.998	0.990	0.990	0.985
Arinsun_RUMS	0.982	0.974	0.974	0.969
Mahindra_RUMS	0.967	0.959	0.959	0.954
URS	0.403	0.401	0.403	0.401
JAMMU & KASHMIR	9.023	8.954	8.954	8.907
HIMACHAL PRADESH	319.663	315.586	315.586	313.927
JHABUA (MP)	0.000	0.000	0.000	0.000
GOA	2.784	2.776	2.776	2.761
KERALA	109.054	107.756	107.756	107.190
ARUNACHAL PRADESH	6.519	6.448	6.448	6.415
HP LT-59 DVC(SURYA KANTA)	7.611	7.514	7.514	7.474
HARYANA (LT -05)	30.979	30.788	30.788	30.622
ADHPL (HP)	29.178	28.807	28.807	28.657
ODISHA	0.040	0.040	0.040	0.040
ORISSA MT-20 JITPL -DVC	5.889	5.821	5.821	5.791
GMRKEL (GUJRAT)	0.200	0.199	0.199	0.198
MIZORAM	0.769	0.751	0.751	0.747
MP(SOLAR RUMS)	13.425	13.318	13.318	13.247
HP TPDDL (NANTI)	7.884	7.784	7.784	7.743
HP TRANDA (RAILWAYS)	9.241	9.123	9.123	9.075
ALFANAR WIND(BRPL)	1.035	1.030	1.030	1.025
ALFANAR WIND(BYPL)	0.345	0.343	0.343	0.342
KSMPL BHADLA	2.423	2.382	2.382	2.371
ALFANAR WIND(TPDDL)	0.345	0.343	0.343	0.341
POWER EXCHANGE(IEX)	130.655	129.973	130.655	129.973
POWER EXCHANGE(PX)	0.000	0.000	0.000	0.000
REAL TIME MANAGEMENT (RTM)	39.906	39.707	39.906	39.707
TOTAL	**4443.579**	**4371.949**	**3025.607**	**2983.741**

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 UTTAR PRADESH	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 GOA	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
BTPS TO MP	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)	-36.359	-36.740	-36.359	-36.740
TO POWER EXCHANGE (PX)	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
TO SHARE PROJECT (HARYANA)	-21.033	-21.251	-21.033	-21.251
TO SHARE PROJECT (PUNJAB)	-21.404	-21.625	-21.404	-21.625
TO REAL TIME MANAGEMENT (RTM)	-27.349	-27.635	-27.349	-27.635
TOTAL	**-106.145**	**-107.251**	**-106.145**	**-107.251**
TOTAL SCHEDULED DRAWAL FROM THE GRID	**4337.434**	**4264.698**	**2919.462**	**2876.490**
TOTAL CONSUMPTION INCLUDING AUX. OF GENERATING STNs				3334.204
NET CONSUMPTION				**3313.137**
AVAILABILITY WITHIN DELHI				486.365
ACTUAL DRAWAL FROM THE GRID				2826.772
OVER DRAWAL(+)/UNDER DRAWAL(-) FROM THE GRID ON THE BASIS OF SCHEDULED ALLOCATION MADE BY NRLDC TO DELHI AT PERIPHERY				-49.718
LOAD SHEDDING				**0.580**
UNRESTRICTED DEMAND (GROSS)				3334.784
UNRESTRICTED DEMAND (NET)				3313.717
MAX. NET CONSUMPTION				**129.600 On 03.07.20**
MAX. LOAD SHEDDING				119 MW ON 02.07.2020 AT 22.41HRS.
PEAK LOAD	Peak Demand during the month			SHEDDING AT PEAK TIME
DAY PEAK	6310 MW AT 14.17.48 HRS ON 03.07.2020			NIL.
EVENING PEAK	6198 MW AT 23:11:21 HRS ON 02.07.2020			NIL

8 SHEDDING DETAILS DURING THE MONTH OF JULY 2020.

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
01-07-20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
02-07-20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
03-07-20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
04-07-20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
05-07-20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
06-07-20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
07-07-20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
08-07-20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
09-07-20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10-07-20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11-07-20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12-07-20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
13-07-20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14-07-20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15-07-20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
16-07-20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17-07-20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
18-07-20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
19-07-20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20-07-20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
21-07-20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22-07-20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
23-07-20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
24-07-20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
28-07-20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
26-07-20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27-07-20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
28-07-20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
29-07-20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30-07-20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
31-07-20	0	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 DEVIATOIN			Shedding due to Transmission/Grid Constraints in Central sector stations				Total	Total shedding due to grid restrictions
	BSES		TPDDL	NDMC	BSES			BSES		TPDDL	NDMC		
	BYPL	BRPL			BYPL	BRPL	TPDDL	BYPL	BRPL				
1	13	14	15	16	17	18	19	20	21	22	23	24=8 to 23	25=7+24
01-07-20	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**
02-07-20	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**
03-07-20	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**
04-07-20	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**
05-07-20	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**
06-07-20	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**
07-07-20	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**
08-07-20	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**
09-07-20	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**
10-07-20	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**
11-07-20	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**
12-07-20	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**
13-07-20	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**
14-07-20	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**
15-07-20	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**
16-07-20	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**
17-07-20	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**
18-07-20	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**
19-07-20	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**
20-07-20	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**
21-07-20	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**
22-07-20	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**
23-07-20	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**
24-07-20	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**
28-07-20	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**
26-07-20	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**
27-07-20	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**
28-07-20	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**
29-07-20	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**
30-07-20	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**
31-07-20	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**

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
01-07-20	0.000	0.003	0.000	0.000	0.000	0.013	0.000	0.012	0.000
02-07-20	0.000	0.017	0.036	0.000	0.000	0.000	0.023	0.019	0.000
03-07-20	0.006	0.000	0.000	0.000	0.000	0.011	0.009	0.010	0.000
04-07-20	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.002	0.000
05-07-20	0.000	0.000	0.000	0.000	0.000	0.003	0.010	**0.0015**	0.000
06-07-20	0.000	0.000	0.000	0.000	0.000	0.000	**0.0092**	**0.0004**	0.000
07-07-20	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.000	0.000
08-07-20	0.001	0.027	0.003	0.000	0.000	0.000	0.000	0.000	0.000
09-07-20	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.000
10-07-20	0.002	0.004	**0.0001**	0.000	0.000	0.000	0.001	0.002	0.000
11-07-20	0.004	0.001	0.003	0.000	0.000	0.000	0.015	**0.0003**	0.000
12-07-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.0001**	0.000
13-07-20	0.000	0.000	0.003	0.000	0.000	0.000	0.001	0.003	0.000
14-07-20	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.000	0.000
15-07-20	0.000	0.001	0.000	0.000	0.000	0.000	0.004	0.001	0.000
16-07-20	0.000	0.000	0.000	0.000	0.000	0.000	0.004	**0.0000**	0.000
17-07-20	0.000	0.000	0.000	0.000	0.000	0.000	0.009	0.000	0.000
18-07-20	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.000	0.000
19-07-20	0.001	0.006	0.002	0.000	0.000	0.097	0.021	0.001	0.000
20-07-20	0.000	0.013	0.008	0.000	0.000	0.000	0.000	0.000	0.000
21-07-20	0.000	0.004	0.000	0.000	0.000	0.000	0.015	**0.0002**	0.000
22-07-20	0.000	0.000	0.000	0.000	0.000	0.000	0.009	**0.0000**	0.000
23-07-20	0.000	0.000	0.000	0.000	0.000	0.003	0.006	0.000	0.000
24-07-20	0.000	0.007	0.000	0.000	0.000	0.000	0.004	**0.0000**	0.000
28-07-20	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.006	0.000
26-07-20	0.000	0.002	0.000	0.000	0.000	0.000	0.012	0.000	0.000
27-07-20	0.000	0.000	0.000	0.000	0.000	0.000	0.019	0.001	0.000
28-07-20	0.000	0.000	0.002	0.000	0.000	0.000	0.013	0.000	0.000
29-07-20	0.000	0.000	0.000	0.000	0.000	0.004	0.004	0.000	0.000
30-07-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.016	0.000
31-07-20	0.000	0.000	0.000	0.000	0.000	0.000	0.011	0.000	0.000
	0.014	**0.085**	**0.057**	**0.000**	**0.000**	**0.131**	**0.216**	**0.077**	**0.000**

ALL FIGURES IN MUs

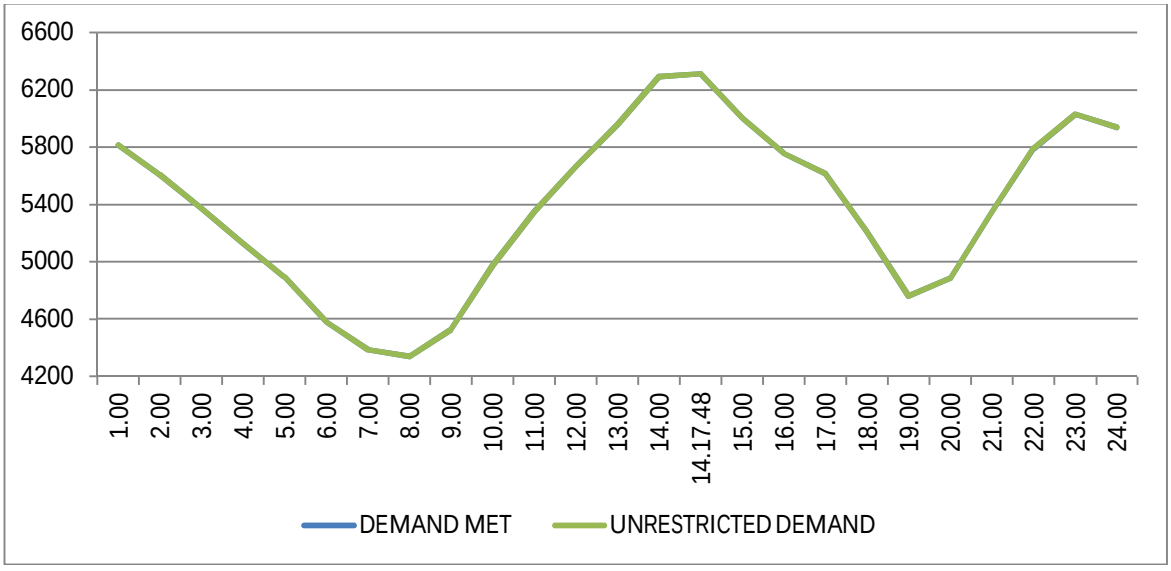
DATE	OTHER AGENCIES LIKE GENCO, BBMB, BTPS ETC.				THEFT PRONE SHEDDING			TOTAL SHEDDING DUE TO T&D CONSTS. & THEFT PRONE	GRAND TOTAL
	BSES		TPDDL	NDMC	BSES		TPDDL		
	BYPL	BRPL			BYPL	BRPL			
1	35	36	37	38	39	40	41	**42= 26 to 41**	**43 = 25 + 42**
01-07-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.028**	**0.028**
02-07-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.095**	**0.095**
03-07-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.036**	**0.036**
04-07-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.005**	**0.005**
05-07-20	0.000	0.000	**0.0004**	0.000	0.000	0.000	0.000	**0.015**	**0.015**
06-07-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.010**	**0.010**
07-07-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.002**	**0.002**
08-07-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.031**	**0.031**
09-07-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.002**	**0.002**
10-07-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.009**	**0.009**
11-07-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.023**	**0.023**
12-07-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**	**0.000**
13-07-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.007**	**0.007**
14-07-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.004**	**0.004**
15-07-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.006**	**0.006**
16-07-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.004**	**0.004**
17-07-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.009**	**0.009**
18-07-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.003**	**0.003**
19-07-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.128**	**0.128**
20-07-20	0.000	0.000	**0.0000**	0.000	0.000	0.000	0.000	**0.021**	**0.021**
21-07-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.019**	**0.019**
22-07-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.009**	**0.009**
23-07-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.009**	**0.009**
24-07-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.011**	**0.011**
28-07-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.010**	**0.010**
26-07-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.014**	**0.014**
27-07-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.020**	**0.020**
28-07-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.015**	**0.015**
29-07-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.008**	**0.008**
30-07-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.016**	**0.016**
31-07-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.011**	**0.011**
	0.000	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.580**	**0.580**

DATE	(NET CONS.)	MAXI. DEMAND MET DURING THE DAY	TIME OF OCCUR-RENCE OF MAX DEMAND	SHEDDING AT THIS TIME	UN-REST-RICTED DEMAND	MAXIMUM UN-REST-RICTED DEMAND DURING THE DAY	TIME OF MAX. UN-REST. DEMAND	DEMAND AT THAT TIME	SHEDDING AT THAT TIME
	In Mus.	IN MW	IN HRS.	IN MW	IN MW	IN MW	HRS.	IN MW	IN MW
1	32	33	34	35	36=33+35	37=39+40	38	39	40
01-07-20	121.187	5958	22:59:44	0	5958	3807	22:59:44	5958	0
02-07-20	124.183	6198	23:11:21	10	6208	4058	23:11:21	6198	10
03-07-20	129.600	6310	14:17:48	0	6310	4250	14:17:48	6310	0
04-07-20	120.574	5989	23:30	0	5989	4194	23:30	5989	0
05-07-20	98.440	5812	00:00:06	0	5812	3935	00:00:06	5812	0
06-07-20	103.187	5127	15:03:12	0	5127	4248	15:03:12	5127	0
07-07-20	100.752	4897	00:00:13	0	4897	4193	00:00:13	4897	0
08-07-20	100.486	4929	15:16:57	0	4929	4611	15:16:57	4929	0
09-07-20	107.337	5653	23:00:07	0	5653	5119	23:00:07	5653	0
10-07-20	114.079	5773	15:23:59	0	5773	5198	15:23:59	5773	0
11-07-20	105.699	5532	23:20:09	0	5532	5534	23:20:09	5532	0
12-07-20	97.420	5426	00:00	0	5426	5591	00:00	5426	0
13-07-20	105.237	5434	23:20:34	0	5434	5509	23:20:34	5434	0
14-07-20	115.978	5922	22:59:59	0	5922	5571	22:59:59	5922	0
15-07-20	119.478	5727	00:00:02	0	5727	5805	00:00:02	5727	0
16-07-20	116.884	5711	23:22:19	0	5711	5899	23:22:19	5711	0
17-07-20	118.476	5762	23:14:34	0	5762	5985	23:14:34	5762	0
18-07-20	114.632	5612	00:00:08	0	5612	6193	00:00:08	5612	0
19-07-20	101.244	5457	00:00:07	0	5457	6245	00:00:07	5457	0
20-07-20	97.478	5033	00:00	0	5033	6064	00:00	5033	0
21-07-20	87.897	4485	00:00	0	4485	5243	00:00	4485	0
22-07-20	83.619	3890	10:50:09	0	3890	5369	10:50:09	3890	0
23-07-20	87.519	4472	23:09:19	0	4472	5467	23:09:19	4472	0
24-07-20	96.137	4878	15:02:29	0	4878	5288	15:02:29	4878	0
28-07-20	96.235	4836	23:01:10	0	4836	5332	23:01:10	4836	0
26-07-20	98.828	5287	23:00:30	0	5287	5399	23:00:30	5287	0
27-07-20	111.826	5457	15:39:43	0	5457	5561	15:39:43	5457	0
28-07-20	117.842	6107	22:53:40	0	6107	6096	22:53:40	6107	0
29-07-20	111.948	5941	00:00:14	0	5941	6314	00:00:14	5941	0
30-07-20	102.363	4931	23:28:47	0	4931	5895	23:28:47	4931	0
31-07-20	106.572	5147	23:10:57	0	5147	5895	23:10:57	5147	0
TOTAL	3313.137	6310	14:17:48	0	6310	6310	14:17:48	6310	0

9. LOAD PATTERN OF DELHI ON THE DAY OF PEAK DEMAND MET DURING JULY 2020 ON 03.07.2020 - 6310 MW AT 14.17.48 HRS.

All figures in MW

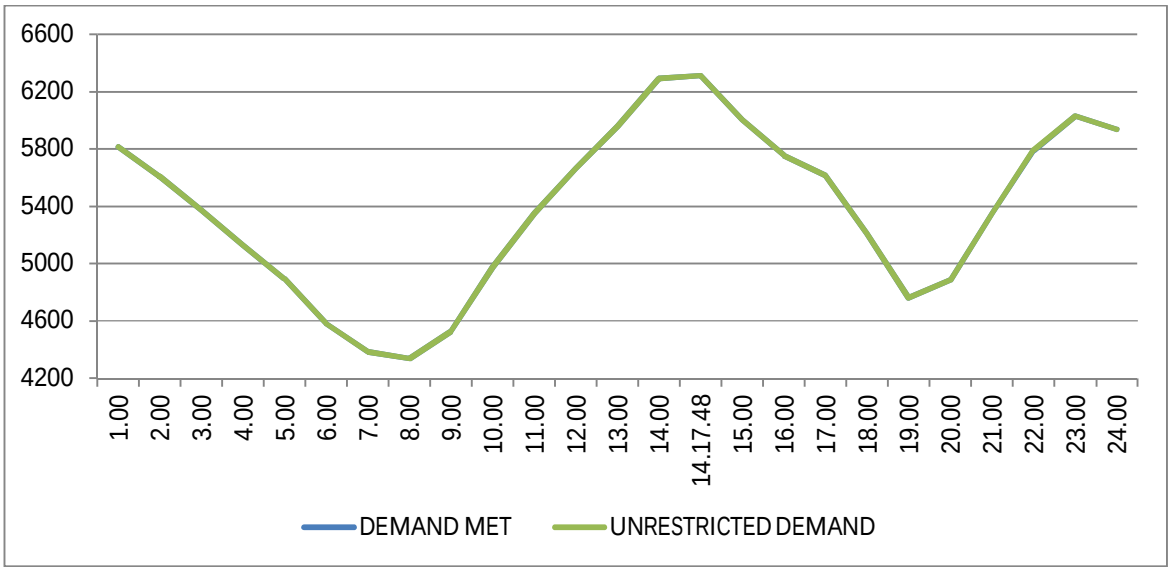
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	5815	0	5815
2.00	5608	0	5608
3.00	5373	0	5373
4.00	5131	0	5131
5.00	4896	0	4896
6.00	4580	0	4580
7.00	4388	0	4388
8.00	4339	0	4339
9.00	4526	0	4526
10.00	4974	0	4974
11.00	5351	0	5351
12.00	5665	0	5665
13.00	5958	0	5958
14.00	6291	0	6291
14.17.48	6310	0	6310
15.00	6002	0	6002
16.00	5755	0	5755
17.00	5618	0	5618
18.00	5213	0	5213
19.00	4758	0	4758
20.00	4887	0	4887
21.00	5350	0	5350
22.00	5787	2	5789
23.00	6028	2	6030
24.00	5940	0	5940
Total (IN MUS)	129.600	0.036	129.636



10 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UN-RESTRICTED DEMAND DURING JULY 2020 ON 03.07.2020 - 6310 MW AT 14.17.48 HRS.

All figures in MW

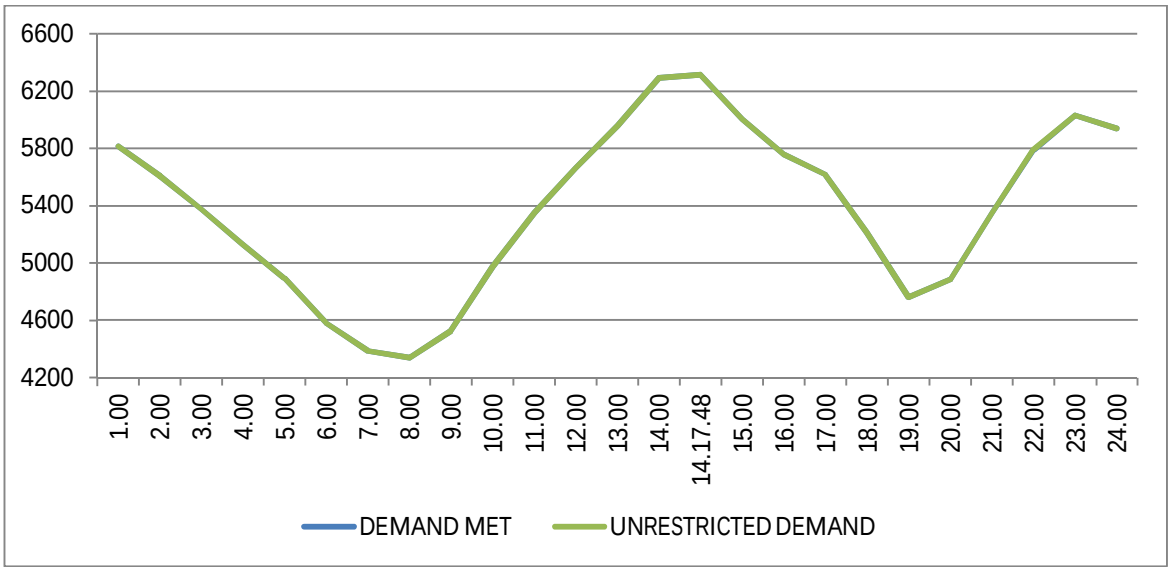
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	5815	0	5815
2.00	5608	0	5608
3.00	5373	0	5373
4.00	5131	0	5131
5.00	4896	0	4896
6.00	4580	0	4580
7.00	4388	0	4388
8.00	4339	0	4339
9.00	4526	0	4526
10.00	4974	0	4974
11.00	5351	0	5351
12.00	5665	0	5665
13.00	5958	0	5958
14.00	6291	0	6291
14.17.48	6310	0	6310
15.00	6002	0	6002
16.00	5755	0	5755
17.00	5618	0	5618
18.00	5213	0	5213
19.00	4758	0	4758
20.00	4887	0	4887
21.00	5350	0	5350
22.00	5787	2	5789
23.00	6028	2	6030
24.00	5940	0	5940
Total (IN MUS)	129.600	0.036	129.636



11 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM ENERGY CONSUMED DURING JULY 2020 – 03.07.2020 – 129.600 Mus

All figures in MW

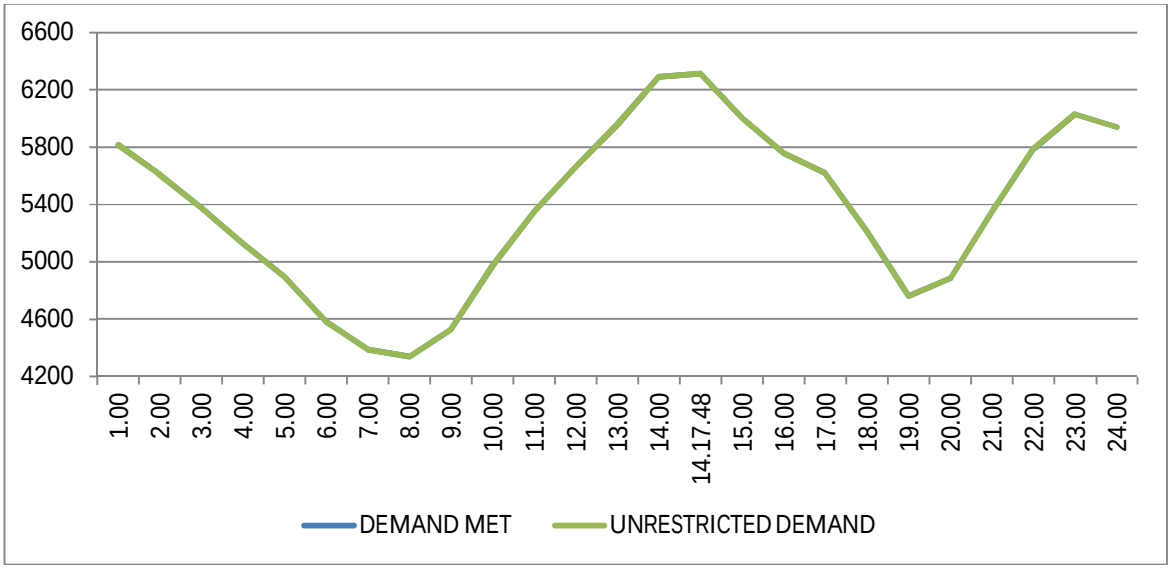
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	5815	0	5815
2.00	5608	0	5608
3.00	5373	0	5373
4.00	5131	0	5131
5.00	4896	0	4896
6.00	4580	0	4580
7.00	4388	0	4388
8.00	4339	0	4339
9.00	4526	0	4526
10.00	4974	0	4974
11.00	5351	0	5351
12.00	5665	0	5665
13.00	5958	0	5958
14.00	6291	0	6291
14.17.48	6310	0	6310
15.00	6002	0	6002
16.00	5755	0	5755
17.00	5618	0	5618
18.00	5213	0	5213
19.00	4758	0	4758
20.00	4887	0	4887
21.00	5350	0	5350
22.00	5787	2	5789
23.00	6028	2	6030
24.00	5940	0	5940
Total (IN MUS)	129.600	0.036	129.636



12 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UNRESTRICTED ENERGY DEMAND DURING JULY 2020 – ON 03.07.2020 – 129.636 – MUs

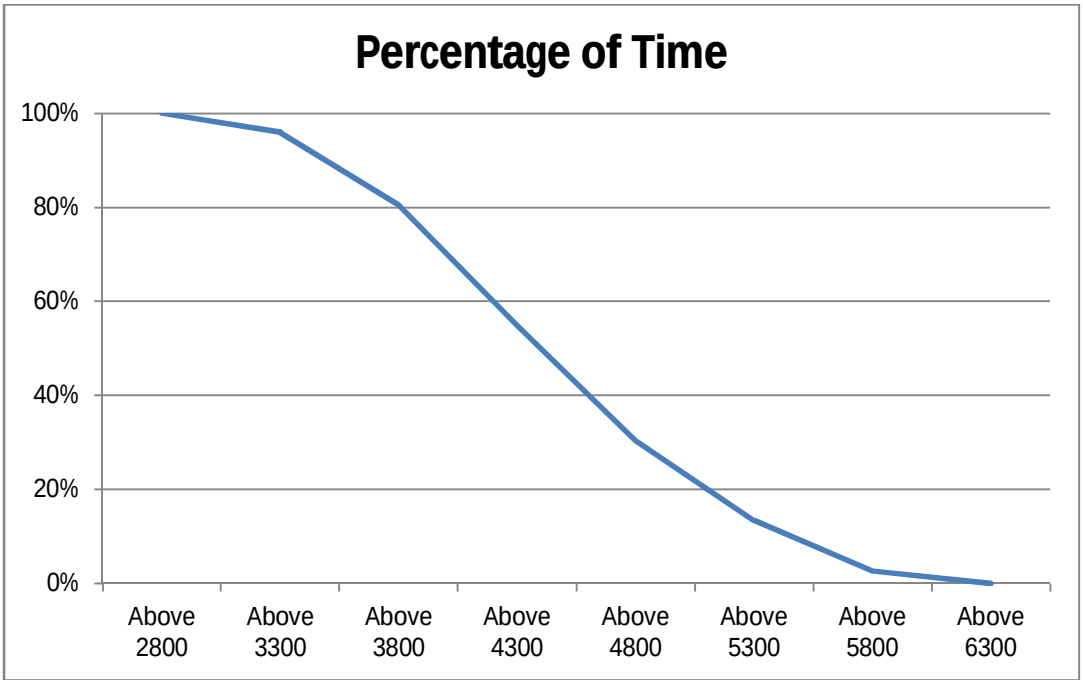
All figures in MW

Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	5815	0	5815
2.00	5608	0	5608
3.00	5373	0	5373
4.00	5131	0	5131
5.00	4896	0	4896
6.00	4580	0	4580
7.00	4388	0	4388
8.00	4339	0	4339
9.00	4526	0	4526
10.00	4974	0	4974
11.00	5351	0	5351
12.00	5665	0	5665
13.00	5958	0	5958
14.00	6291	0	6291
14.17.48	6310	0	6310
15.00	6002	0	6002
16.00	5755	0	5755
17.00	5618	0	5618
18.00	5213	0	5213
19.00	4758	0	4758
20.00	4887	0	4887
21.00	5350	0	5350
22.00	5787	2	5789
23.00	6028	2	6030
24.00	5940	0	5940
Total (IN MUS)	129.600	0.036	129.636



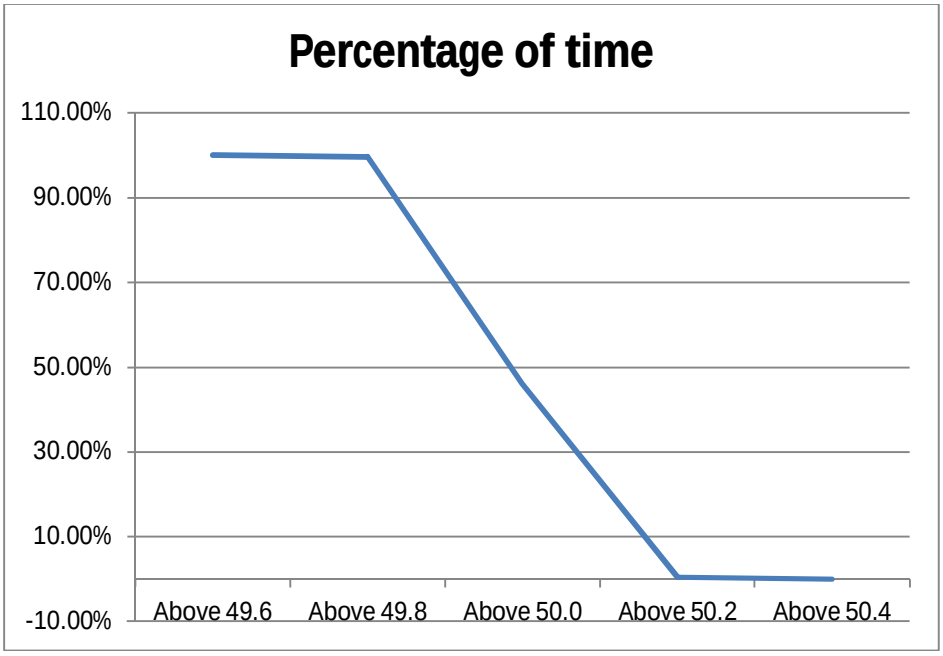
13 LOAD DURATION CURVE FOR JULY 2020

Load in MW	Percentage of Time
Above 2800	100%
Above 3300	96.00%
Above 3800	80.58%
Above 4300	54.87%
Above 4800	30.31%
Above 5300	13.30%
Above 5800	2.58%
Above 6300	0.00%



14 FREQUENCY ANALYSIS FOR THE MONTH OF JULY 2020

FREQUENCY REMAINED ABOVE IN MW	(%) OF TIME
Above 49.6	100.00%
Above 49.8	99.66%
Above 50.0	46.13%
Above 50.2	0.37%
Above 50.4	0.00%



15 VOLTAGE PROFILE OF 220 KV SUB-STATIONS IN DELHI DURING JULY 2020

All figures in kV

Date	NARELA		GAZIPUR	
	Max	Min	Max	Min
01-07-20	224.79	212.79	230.59	217.95
02-07-20	225.69	212.79	232.14	216.66
03-07-20	225.05	211.89	231.75	215.12
04-07-20	225.56	214.99	231.75	219.24
05-07-20	230.46	215.12	236.91	219.89
06-07-20	226.08	0	232.66	219.89
07-07-20	226.85	215.12	233.3	220.53
08-07-20	226.72	214.6	233.3	220.53
09-07-20	226.34	212.67	232.78	218.34
10-07-20	224.79	212.79	231.49	217.57
11-07-20	228.66	213.95	235.23	220.79
12-07-20	229.82	217.31	235.36	222.98
13-07-20	225.95	211.38	232.53	217.31
14-07-20	225.43	211.25	232.4	217.18
15-07-20	225.43	212.41	232.4	218.34
16-07-20	224.92	212.41	231.49	218.34
17-07-20	222.85	212.67	229.3	218.98
18-07-20	227.24	213.95	231.88	220.27
19-07-20	227.24	191.26	234.59	222.34
20-07-20	225.69	215.63	233.95	222.21
21-07-20	227.88	218.47	235.36	224.14
22-07-20	228.01	219.24	235.23	225.69
23-07-20	228.66	215.76	237.04	221.56
24-07-20	227.37	214.6	233.95	220.79
28-07-20	225.56	212.41	233.17	220.4
26-07-20	225.56	212.41	232.78	218.98
27-07-20	225.43	210.73	231.75	217.7
28-07-20	224.4	210.47	231.49	217.18
29-07-20	224.66	213.31	231.37	219.63
30-07-20	228.53	214.73	235.11	223.11
31-07-20	226.72	214.34	233.69	126.13

16 VOLTAGE PROFILE OF 400 KV SUB-STATIONS IN DELHI DURING JULY 2020

All figures in kV

Date	400kV Bamnauli Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01-07-20	407.54	18:34:04	385.5	14:14:43	396.07
02-07-20	411.99	07:01:16	384.32	22:17:38	397.81
03-07-20	409.18	06:01:59	383.39	13:42:01	397.39
04-07-20	410.35	06:23:55	389.25	14:37:45	399.39
05-07-20	416.21	03:44:28	385.26	22:17:12	403.78
06-07-20	410.12	06:02:32	386.43	14:26:24	397.63
07-07-20	409.65	18:11:18	388.54	12:18:07	400.09
08-07-20	411.06	04:01:40	387.61	14:14:52	398.63
09-07-20	410.35	06:01:44	384.32	22:13:17	396.73
10-07-20	408.48	07:01:58	385.73	14:32:50	397.02
11-07-20	414.57	04:00:52	388.08	21:22:35	401.15
12-07-20	415.04	08:04:56	391.12	22:12:59	405.1
13-07-20	409.18	06:03:20	382.21	22:13:43	397.64
14-07-20	409.65	04:02:04	383.85	22:08:17	397.65
15-07-20	410.82	06:03:48	385.26	00:04:27	397.13
16-07-20	409.88	06:32:33	386.9	22:20:05	397.12
17-07-20	406.6	07:00:25	388.08	22:28:30	396.64
18-07-20	409.88	07:01:11	387.61	22:13:24	397.58
19-07-20	413.17	07:16:05	391.36	00:07:04	403.51
20-07-20	413.4	06:22:49	392.3	22:08:32	402.06
21-07-20	414.81	04:01:03	393.7	00:00:00	402.22
22-07-20	413.4	04:02:07	387.84	18:41:19	404.23
23-07-20	412.46	04:01:40	390.19	21:06:03	399.73
24-07-20	412.23	06:30:45	388.08	11:12:05	399.14
28-07-20	410.35	07:06:01	386.9	22:15:53	398.45
26-07-20	409.65	08:01:15	383.85	20:54:47	399.09
27-07-20	408.01	06:46:49	384.09	12:36:50	394.43
28-07-20	407.54	06:49:53	382.68	14:43:04	395.31
29-07-20	407.3	16:31:09	388.54	10:36:37	398.89
30-07-20	413.87	06:03:54	391.12	22:12:43	403.01
31-07-20	412.23	07:00:44	389.95	22:28:47	399.98

All figures in kV

Date	400kV Bawana Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01-07-20	410.82	6:24:47	391.12	13:40:40	402.13
02-07-20	414.81	7:01:13	393.94	22:14:35	403.42
03-07-20	412.7	6:01:56	392.06	12:42:36	403.31
04-07-20	415.74	6:23:38	399.33	00:03:17	410.81
05-07-20	421.84	6:02:04	394.88	22:16:25	410.18
06-07-20	416.21	6:47:58	395.58	14:23:07	404.29
07-07-20	416.92	18:16:01	395.58	12:20:24	406.44
08-07-20	417.86	4:01:42	398.16	14:14:53	406.59
09-07-20	415.98	6:01:45	393.7	22:13:27	404.17
10-07-20	411.99	18:00:12	394.41	14:32:51	404.87
11-07-20	421.61	4:01:28	396.75	21:23:00	409.65
12-07-20	422.55	8:04:52	401.91	22:12:33	412.92
13-07-20	416.92	3:58:04	390.42	22:14:02	406.13
14-07-20	415.51	6:19:22	389.95	23:08:36	404.06
15-07-20	415.51	6:03:45	392.06	00:03:54	403.15
16-07-20	414.34	7:01:05	394.88	23:07:16	404.96
17-07-20	411.29	6:59:58	396.05	12:11:08	403.1
18-07-20	416.68	7:01:10	396.99	00:14:19	405.31
19-07-20	419.26	7:01:33	399.57	00:05:03	409.31
20-07-20	418.56	6:21:46	400.74	15:49:18	407.62
21-07-20	421.37	4:00:30	401.44	00:00:00	410.21
22-07-20	420.2	3:34:31	404.25	22:27:03	412.43
23-07-20	420.43	4:01:44	399.8	19:50:05	408.36
24-07-20	419.03	4:02:06	396.28	11:13:56	406.97
28-07-20	415.98	7:01:38	394.88	22:16:00	404.86
26-07-20	414.34	8:01:11	393.23	22:33:43	405.45
27-07-20	415.04	6:46:14	390.19	12:37:24	401.77
28-07-20	413.63	8:01:46	390.19	14:42:47	402.23
29-07-20	414.34	7:02:08	395.11	12:26:59	405.91
30-07-20	421.61	6:19:45	399.33	22:13:57	410.87
31-07-20	419.26	7:00:39	397.22	22:22:10	406.95

17 DETAILS OF BREAK-DOWNS / TRIPPING DURING THE MONTH OF JULY 2020

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
1	1.7.20	12:07	400kV Bawana-Mundka Ckt-II	1.7.20	13:47	AT BAWANA : 186.
2	1.7.20	17:20	MASJID MOTH 220/33kV 100MVA Tr-III	2.7.20	10:45	TRIPPED DUE TO CONDUCTOR MELTED.
3	2.7.20	12:35	MUNDKA 220/66kV 160MVA Tx-II	2.7.20	00:00	GEN TRIP.
4	2.7.20	12:35	MUNDKA 220/66kV 160MVA Tx-III	2.7.20	13:20	GEN TRIP.
5	2.7.20	21:37	SUBZI MANDI 220/33kV 100MVA Tx-I	2.7.20	23:45	186, DIFFERENTIAL.
6	3.7.20	00:02	GAZIPUR 66/11kV, 20MVA Tx-II	3.7.20	01:25	86
7	4.7.20	16:57	INDRAPRASTHA POWER 220/33kV 100MVA Tx-III	4.7.20	00:00	86, E/F.
8	4.7.20	20:20	220kV BAWANA-DSIIDC BAWANA CKT-II	4.7.20	23:20	AT DSIDC BAWANA : 86.
9	5.7.20	05:29	BAWANA 400/220kV 315MVA ICT-III	5.7.20	08:12	86
10	5.7.20	08:32	VASANT KUNJ 220/66kV 100MVA Tx-II	5.7.20	14:05	86
11	5.7.20	18:35	220 KV PATPARGANJ - I.P. CKT-I	5.7.20	20:37	AT I.P. : DIST PROT, ZONE-I, DIST 1.8KM.
12	7.7.20	10:20	PAPPANKALAN-I 66/11kV, 20MVA Tx-I	30.8.20	17:20	83
13	8.7.20	00:10	PAPPANKALAN-I 220/66kV 100MVA Tx-IV	8.7.20	06:44	E/F
14	8.7.20	00:10	PAPPANKALAN-I 220/66kV 100MVA Tx-III	8.7.20	00:00	E/F.
15	8.7.20	07:22	OKHLA 220/33kV 100MVA Tx-III	8.7.20	00:00	O/C.
16	8.7.20	07:22	OKHLA 220/33kV 100MVA Tx-IV	8.7.20	07:40	O/C
17	8.7.20	17:38	220kV GOPALPUR- MANDOLACKT-II	8.7.20	00:00	AT GOPALPUR : TRIPPED WITHOUT INDICATION AT MANDOLA : DIST PROT, DIST 20.47KM.
18	9.7.20	10:08	SUBZI MANDI 33/11kV, 16MVA Tx-I	9.7.20	11:13	TRIPPED WITHOUT INDICATION.
19	10.7.20	07:20	NARAINA 220/33kV 100MVA Tx-III	10.7.20	07:40	O/C
20	10.7.20	07:20	NARAINA 220/33kV 100MVA Tx-I	10.7.20	07:40	O/C
21	10.7.20	11:35	NARAINA 220/33kV 100MVA Tx-I	10.7.20	12:25	O/C, E/F.
22	10.7.20	11:50	220 KV GOPALPUR-WAZIRABAD CKT-2	10.7.20	12:50	AT WAZIRABAD : DIST PROT, ZONE-I, DIST 2.72KM.
23	10.7.20	19:02	PRAGATI 220/66kV 160MVA Tx-I	10.7.20	21:20	E/F.
24	11.7.20	05:35	OKHLA 220/33kV 100MVA Tx-IV	11.7.20	08:00	E/F.
25	11.7.20	16:21	INDRAPRASTHA POWER 220/33kV 100MVA Tx-II	11.7.20	16:52	O/C, E/F
26	11.7.20	16:21	INDRAPRASTHA POWER 220/33kV 100MVA Tx-I	11.7.20	16:52	O/C, E/F.
27	13.7.20	18:10	NARAINA 220/33kV 100MVA Tx-II	13.7.20	18:38	E/F.
28	14.7.20	06:21	220KV BAWANA-SHALIMARBAGH CKT-II	14.7.20	06:29	AT SHALIMARBAGH : DIFERENTIAL.
29	18.7.20	12:20	SUBZI MANDI 33/11kV, 16MVA Tx-I	19.7.20	04:45	86
30	19.7.20	06:15	220kV GEETA COLONY- PATPARGANJ CKT -II	19.7.20	09:24	AT GEETA COLONY : DIST PROT ZONE-II, DIST 3.78KM.
31	19.7.20	06:55	SUBZI MANDI 220/33kV 100MVA Tx-I	19.7.20	10:05	OLTC.
32	19.7.20	10:06	OKHLA 220/33kV 100MVA Tx-III	19.7.20	10:26	E/F
33	19.7.20	10:06	OKHLA 220/33kV 100MVA Tx-IV	19.7.20	10:40	86
34	19.7.20	10:16	PARKSTREET 220/33kV 100MVA Tx-I	19.7.20	15:22	86
35	19.7.20	16:50	PATPARGANJ 220/33kV 100MVA Tx-IV	19.7.20	17:20	86
36	20.7.20	09:58	NARELA 220/66kV 100MVA Tx-I	20.7.20	10:11	E/F
37	20.7.20	09:58	NARELA 220/66kV 100MVA Tx-II	20.7.20	10:11	E/F
38	20.7.20	13:58	MEHRAULI 220/66kV 160MVA Tx-I	20.7.20	15:57	WITHOUT INDICATI0N.
39	20.7.20	20:55	OKHLA 220/33kV 100MVA Tx-IV	20.7.20	23:35	86
40	21.7.20	12:05	MEHRAULI 220/66kV 160MVA Tx-I	21.7.20	12:10	186
41	22.7.20	16:20	GAZIPUR 220/66kV 100MVA Tx-II	22.7.20	17:24	86
42	22.7.20	17:15	WAZIRPUR 220/33kV 100MVA Tx-II	22.7.20	18:44	86
43	22.7.20	18:25	220kV SARITA VIHAR - BTPS CKT.-I	23.7.20	16:55	AT SARITA VIHAR : DIST PROT, ZONE-I.
44	22.7.20	18:25	220kV OKHLA - BTPS CKT. - II	22.7.20	19:00	AT BTPS : 86, E/F.
45	22.7.20	18:54	GAZIPUR 66/11kV, 20MVA Tx-I	22.7.20	22:48	DIFFERENTIAL, 86.

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
46	23.7.20	02:57	220kV GAZIPUR- PATPARGANJ CKT	23.7.20	21:45	AT GAZIPUR : DIFFERENTIAL.
47	23.7.20	10:35	OKHLA 220/33kV 100MVA Tx-IV	23.7.20	18:27	REF.
48	23.7.20	14:06	220kV MAHARANI BAGH - PRAGATI CKT	23.7.20	15:56	AT PRAGATI : DIST PROT, ZONE-I, DIST 5.5KM.
49	24.7.20	18:21	220kV BAMNAULI-PAPPANKALAN-II CKT-II	25.7.20	13:58	AT PAPANKALAN-II : 86.
50	25.7.20	13:15	PATPARGANJ 220/33kV 100MVA Tx-IV	25.7.20	13:22	86
51	26.7.20	10:16	220kV BAMNAULI-PAPPANKALAN-II CKT-I	26.7.20	12:57	AT BAMNAULI : DIST PROT, ZONE-I, DIST 6.28KM.
52	28.7.20	19:24	GOPALPUR 220/33kV 100MVA Tx-I	1.8.20	13:34	O/C.

18 DETAILS OF UNDER FREQUENCY RELAY OPERATIONS IN DELHI POWER SYSTEM DURING THE MONTH OF JULY 2020

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