DELHI TRANSCO LTD.

STATE LOAD DISPATCH CENTER

PROGRESS REPORT

****

APRIL - 2020

1 SALIENT FEATURES OF DELHI POWER SYSTEM

Sr. No.	Features	APR 2019	APR 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)**	**5664**	**3362**
	Date	30.04.19	30.04.20
	Time	23.03.05	**23:16:26**
3	**Peak Demand met (MW)**	**5664**	**3362**
	Date	30.04.19	30.04.20
	Time	23.03.05	**23:16:26**
4	Peak Availability (MW)	5606	3434
5	Shortage (-) / Surplus (+) in MW	(-) 58	(+)72
6	Percentage Shortage (-) / Surplus (+)	(-) 1.02	(+)2.14
7	Maximum Energy Consume in a day (Mus)	113.268	68.004
8	Energy Consumed during the month	**2697.711**	**1665.266**
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.	0.004	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	0.277	0.060
	TPDDL	0.080	0.025
	BRPL	0.390	0.063
	BYPL	0.034	0.011
	NDMC	0.000	0.000
	MES	0.000	0.000
	Other Agencies	0.020	0.017
	Total	**0.801**	**0.176**
11	**Grand Total in Mus**	**0.805**	**0.176**

2. PERFORMANCE OF GENERATING STATIONS WITHIN DELHI DURING APRIL 2020

A) For the month of April 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	0.120	-0.120	0.00	0.000
2.	GT	28.301	1.483	26.818	86.33	136.939750
3.	PPCL	113.634	2.458	111.176	97.54	113.718500
4.	Bawana	205.815	8.282	197.530	100.75	770.686516
5.	Towmcl	14.180	1.925	12.255	--	--
6.	EDWPCL	1.235	0.693	0.542	--	--
7.	DMSWL	12.400	1.950	10.450	--	--
	TOTAL	**375.565**	**16.911**	**358.651**	**--**	**--**

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

Power Station	Effective Capacity (MW)	Net Generation in MUs for Apr 2020	Availability (%) for Apr 2020	PLF (%) for Apr 2020	Cumulative Generation in MUs upto Apr 2020 for the year 2020-21	Cumulative Availability in % upto Apr 2020 for the year 2020-21
RPH	135	0.000	0.120	-0.120	0.00	0.000
GT	270	28.301	1.483	26.818	86.33	136.939750
PPCL	330	113.634	2.458	111.176	97.54	113.718500
Bawana	1372	205.815	8.282	197.530	100.75	770.686516
Towmcl	16	14.180	1.925	12.255	--	--
EDWPCL	--	1.235	0.693	0.542	--	--
DMSWL	--	12.400	1.950	10.450	--	--
TOTAL	2936	**375.565**	**16.911**	**358.651**	**--**	**--**

3 DETAILS OF OUTAGES OF GENERATING STNS. WITHIN DELHI W.E.F. APRIL 2020 (TO BE UPDATED LATER)

RPH

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	67.5	08.05.15	13.40	Contd.		Not in operation due to not meeting pollution norms.

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
2	67.5	21.05.15	10.20	Contd.		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	1-4-20	2:19	1-4-20	02:40	Unit tripped due to high LTTH
		1-4-20	8:30	16-4-20	16:05	Low Demand
		17-4-20	9:05	17-4-20	12:15	Low Demand
		21-4-20	03:15	25-4-20	10:40	GT tripped due to excitation trouble
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	30-4-20	0:00	Low Demand
3	30	1-4-20	0:00	30-4-20	0:00	Low Demand
4	30	1-4-20	0:00	30-4-20	0:00	Low Demand
5	30	1-4-20	0:00	30-4-20	0:00	Low Demand
6	30	1-4-20	0:00	30-4-20	0:00	Low Demand
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
ST G-2	30	1-4-20	0:00	30-4-20	0:00	Low Demand
ST G-3	30	1-4-20	0:00	30-4-20	0:00	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
2	**104**	17.04.19	18.47	18.04.19	12.45	Tripped on internal fault.
STG	**122**	NIL				

(D) BAWANA CCGT POWER STATION

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	NIL					

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
2	216	NIL				

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
3	216	NIL				

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
4	216	NIL				

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG -1	254	NIL				

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG -2	254	NIL				

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

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
STATE GENERATING STATIONS										
RPH										
GAS TURBINE	270	100	270	**164.39**	**23.13**	**81.48**	**0.00**	**0.00**	**1.00**	
PRAGATI	330	100	330	93	53	64	100	20		
BAWANA CCGT	1371	80	1097	427	247	298	100	25		
EDWPCL(WEP)	12	49	6	0	5.9	0	0	0		
Bawana(WEP)	24	100	24	10	6	7	1	0		
TOWMCL(WEP)Exbus	13	97.15	12.63	6.5	0	6.1	0			
TOTAL	**2020**		**1739.31**	**701.1**	**334.6**	**456.4**	**201.3**	**45.0**	**1.00**	**0.0**
CENTRAL SECTOR STATIONS										
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		
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**	**121.559**	**122.24**	**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**	**31.43**	**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**	**242.74**	**136.68**	**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**	**358**	**260**	**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 LTA	2870		**875.81**	**117**	**166**	**579**	**0**	**0**	**0**	**14.46**
Total in MW	33445		7540	3078	1632	2440	326	45	1	14.46

B) ALLOCTION OF DELHI AND DISCOMS (IN %AGE) FROM VARIOUS CENTRAL SECTOR, STATE SECTOR GENERATING STATIONS ALONG WITH LTAs

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										
RPH										
GAS TURBINE	270	100	270	**60.885**	**8.567**	**30.178**	**0.000**	**0.000**	**0.370**	
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	**15722.14**		**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 MW						
				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**	**14.832**	**54.488**	**30.680**	**0.00**	**0.00**		
DVC(CTPS7 &8)			**300.00**	**44.143**	**27.632**	**28.225**				
DVC(Mejia6)			100.00	43.92	25.40	30.68	0.00	0.00		
TOTAL	**4980**		**875.488**	**29.03**	**40.86**	**29.73**	**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**	**200.00**
Total	33445		7540	**40.83**	**21.65**	**32.36**	**4.33**	**0.60**	**0.01**	**0.19**

5 POWER AVAILABILITY-DEMAND POSITION AT THE TIME OF PEAK DEMAND MET DURING APRIL 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	08:35:27	37	156	263	16	0	13	485	1980	1947	33	2465	0	2465
2	07:59:51	37	158	271	19	0	15	500	1796	1980	-184	2296	0	2296
3	08:45:02	39	157	270	18	0	15	499	1758	1761	-3	2257	0	2257
4	08:42:25	41	157	270	17	-1	16	500	1663	1667	-4	2163	0	2163
5	10:48:33	40	157	272	17	2	16	504	1716	1688	28	2220	0	2220
6	19:49:26	41	153	271	19	0	15	499	1736	1738	-2	2235	0	2235
7	10:16:53	32	157	272	17	0	17	495	1745	1782	-37	2240	0	2240
8	08:27:37	36	157	270	18	0	16	497	1718	1828	-110	2215	0	2215
9	19:34:19	41	154	268	19	2	17	501	1750	1733	17	2251	0	2251
10	21:00:49	41	162	269	18	2	7	499	1810	1793	17	2309	0	2309
11	21:25:17	40	152	268	19	1	16	496	1906	1960	-54	2402	0	2402
12	21:25:21	41	151	270	16	2	16	496	2014	2000	14	2510	0	2510
13	22:42:22	38	145	293	19	3	17	515	2244	2174	70	2759	0	2759
14	23:01:19	38	152	270	19	3	6	488	2529	2508	21	3017	0	3017
15	22:58:18	35	152	283	15	1	3	489	2518	2533	-15	3007	0	3007
16	23:01:06	34	151	271	18	4	16	494	2675	2702	-27	3169	0	3169
17	23:18:45	35	147	270	13	3	6	474	2657	2602	55	3131	0	3131
18	00:00:10	35	148	270	13	2	7	475	2609	2571	38	3084	0	3084
19	23:01:06	36	148	271	12	-1	14	480	2497	2497	0	2977	0	2977
20	00:20:38	36	149	271	13	-1	13	481	2474	2296	178	2955	0	2955
21	23:16:27	36	148	267	19	-1	15	484	2261	2276	-15	2745	0	2745
22	22:54:26	36	147	273	18	0	16	490	2416	2442	-26	2906	0	2906
23	23:19:55	36	149	270	19	-1	17	490	2394	2487	-93	2884	0	2884
24	23:24:52	38	145	301	19	-1	16	518	2552	2600	-48	3070	0	3070
25	23:24	37	146	297	17	-1	17	513	2587	2685	-98	3100	0	3100
26	00:00	37	147	296	19	-1	17	515	2557	2691	-134	3072	0	3072
27	22:40:05	37	150	271	19	-1	18	494	2198	2289	-91	2692	0	2692
28	23:08:51	37	147	282	18	-1	18	501	2518	2583	-65	3019	0	3019
29	23:00	37	146	319	16	-1	18	535	2639	2721	-82	3174	0	3174
30	23:16:26	37	145	304	17	-1	18	520	2842	2914	-72	**3362**	0	3362

6 POWER AVAILABILITY- DEMAND POSITION AT THE TIME OF MAXIMUM UNRESTRICTED DEMAND DURING APRIL 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	08:35:27	37	156	263	16	0	13	485	1980	1947	33	2465	0	2465
2	07:59:51	37	158	271	19	0	15	500	1796	1980	-184	2296	0	2296
3	08:45:02	39	157	270	18	0	15	499	1758	1761	-3	2257	0	2257
4	08:42:25	41	157	270	17	-1	16	500	1663	1667	-4	2163	0	2163
5	10:48:33	40	157	272	17	2	16	504	1716	1688	28	2220	0	2220
6	19:49:26	41	153	271	19	0	15	499	1736	1738	-2	2235	0	2235
7	10:16:53	32	157	272	17	0	17	495	1745	1782	-37	2240	0	2240
8	08:27:37	36	157	270	18	0	16	497	1718	1828	-110	2215	0	2215
9	19:34:19	41	154	268	19	2	17	501	1750	1733	17	2251	0	2251
10	21:00:49	41	162	269	18	2	7	499	1810	1793	17	2309	0	2309
11	21:25:17	40	152	268	19	1	16	496	1906	1960	-54	2402	0	2402
12	21:25:21	41	151	270	16	2	16	496	2014	2000	14	2510	0	2510
13	22:42:22	38	145	293	19	3	17	515	2244	2174	70	2759	0	2759
14	23:01:19	38	152	270	19	3	6	488	2529	2508	21	3017	0	3017
15	22:58:18	35	152	283	15	1	3	489	2518	2533	-15	3007	0	3007
16	23:01:06	34	151	271	18	4	16	494	2675	2702	-27	3169	0	3169
17	23:18:45	35	147	270	13	3	6	474	2657	2602	55	3131	0	3131
18	00:00:10	35	148	270	13	2	7	475	2609	2571	38	3084	0	3084
19	23:01:06	36	148	271	12	-1	14	480	2497	2497	0	2977	0	2977
20	00:20:38	36	149	271	13	-1	13	481	2474	2296	178	2955	0	2955
21	23:16:27	36	148	267	19	-1	15	484	2261	2276	-15	2745	0	2745
22	22:54:26	36	147	273	18	0	16	490	2416	2442	-26	2906	0	2906
23	23:19:55	36	149	270	19	-1	17	490	2394	2487	-93	2884	0	2884
24	23:24:52	38	145	301	19	-1	16	518	2552	2600	-48	3070	0	3070
25	23:24	37	146	297	17	-1	17	513	2587	2685	-98	3100	0	3100
26	00:00	37	147	296	19	-1	17	515	2557	2691	-134	3072	0	3072
27	22:40:05	37	150	271	19	-1	18	494	2198	2289	-91	2692	0	2692
28	23:08:51	37	147	282	18	-1	18	501	2518	2583	-65	3019	0	3019
29	23:00	37	146	319	16	-1	18	535	2639	2721	-82	3174	0	3174
30	23:16:26	37	145	304	17	-1	18	520	2842	2914	-72	3362	0	**3362**

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

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

A (i) RPH	0.000
(ii) GT+STG	28.301
(iii) PRAGATI	113.634
(iv) RITHALA	0.000
(v) BAWANA CCGT	205.812
(vi) Timarpur – Okhla	14.180
EDWPCL	1.235
DMSWL	12.400
TOTAL	375.562
B) AVAILABILITY FROM BTPS	-0.358
C) AUXILIARY CONSUMPTION OF GENERATING STNs. EXCLUDING BTPS	16.911
D) NET GENERATION AVAILABLE WITHIN DELHI(A+B-C)	**358.293**

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
BAIRA SUIL	7.819	7.655	7.819	7.655
SALAL	36.187	35.538	36.187	35.538
SASAN	288.757	281.124	288.287	280.666
TANKAPUR	3.162	3.098	3.162	3.098
CHAMERA	19.468	19.112	19.468	19.112
CHAMERA -II	9.364	9.176	9.364	9.176
CHAMERA -III	10.302	10.143	10.302	10.143
DHAULIGANGA	8.089	7.925	8.089	7.925
SEWA -2	11.493	11.286	11.493	11.286
URI	37.262	36.603	37.262	36.603
URI-II	22.954	22.540	22.954	22.540
KOTESHWAR	7.017	6.871	7.017	6.871
PARBATI3	3.492	3.421	3.492	3.421
ANTA (CRF)	0.000	0.000	0.000	0.000
ANTA (GAS)	0.246	0.237	0.000	0.000
ANTA (RLNG)	30.278	29.237	0.000	0.000
ANTA (LIQUID)	0.000	0.000	0.000	0.000
DADRI (CRF)	0.000	0.000	0.000	0.000
DADRI (GAS)	22.376	22.021	16.633	16.376
DADRI (RLNG)	38.679	38.077	0.379	0.373
DADRI (LIQUID)	0.000	0.000	0.000	0.000
AURAIYA (CRF)	0.000	0.000	0.000	0.000
AURAIYA (GAS)	19.565	19.149	11.338	11.098

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
AURAIYA (RLNG)	30.230	29.594	0.123	0.120
AURAIYA (LIQUID)	0.000	0.000	0.000	0.000
SINGRAULI	88.014	85.339	77.727	75.373
SINGRAULI_HYDRO	0.442	0.428	0.442	0.428
RIHAND -I	63.918	62.110	54.850	53.308
RIHAND -II	80.599	78.343	76.018	73.895
RIHAND -III	86.446	84.161	83.249	81.050
UNCHAHAR-I	15.713	15.347	0.000	0.000
UNCHAHAR-II	30.793	30.075	0.000	0.000
UNCHAHAR-III	19.001	18.558	11.400	11.135
DADRI (TH)-I	498.830	491.074	0.000	0.000
DADRI (TH)-II	493.698	486.024	149.513	147.208
BRBCL (NABIPUR-BIHAR)	3.395	3.349	1.899	1.873
TALCHER FOR AUX. OF BTPS	1.256	1.233	0.735	0.722
NAPP	26.416	25.852	26.416	25.852
RAPP 'B'	0.000	0.000	0.000	0.000
RAPP 'C'	38.257	36.905	38.257	36.905
NATHPA JHAKRI	30.446	29.750	30.446	29.750
DULASTI	20.219	19.857	20.219	19.857
TEHRI	10.331	10.116	10.331	10.116
JHAJJAR	470.270	462.960	0.000	0.000
KHELGAON	32.517	32.072	19.463	19.199
KHELGAON-II	89.179	87.970	65.487	64.603
FARAKA	14.470	14.266	5.693	5.613
TALA	3.440	3.377	3.440	3.377
DVC	165.985	164.699	164.699	163.484
TUTICORIN - BRPL	5.767	5.720	5.720	5.677
MADHYA PRADESH	0.115	0.114	0.114	0.114
GUJRAT	0.441	0.439	0.439	0.436
SEIL PROJECT(ANDHRA PRADESH)	0.000	0.000	0.000	0.000
ANDHRA	0.274	0.272	0.272	0.270
JP NIGRIE	0.071	0.070	0.070	0.069
METHON POWER(NDPL)LT-06	129.551	128.550	128.550	127.609
CLP JHAJJAR	0.000	0.000	0.000	0.000
DVC MEJIA (LT-08)(BYPL)	0.000	0.000	0.000	0.000
Acme_RUMS	0.928	0.918	0.918	0.911
Arinsun_RUMS	0.940	0.930	0.930	0.923
Mahindra_RUMS	0.833	0.824	0.824	0.818
JAMMU & KASHMIR	8.334	8.251	8.251	8.190
HIMACHAL PRADESH	49.561	48.951	48.951	48.628
RPREL (CHATTISHGARH)	0.076	0.075	0.075	0.074
HIMACHAL PRADESH LT-59 DVC	2.647	2.613	2.613	2.594
MP (SOLAR RUMS)	17.736	17.547	17.547	17.414

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
NANTI HYDRO HP (TPDDL)	2.483	2.451	2.451	2.434
ADHPL (HP)	12.209	12.052	12.052	11.962
ODHISHA	0.050	0.050	0.050	0.050
ORISSA MT-20 JITPL -DVC	2.347	2.327	2.327	2.309
MIZORAM	1.829	1.795	1.795	1.782
RAJASTHAN(SOLAR) BRPL-LT36	3.678	3.580	3.580	3.553
RAJASTHAN(SOLAR) BYPL - LT-35	3.480	3.388	3.388	3.362
RAJASTHAN(SOLAR) TPDDL LT-31	3.497	3.404	3.404	3.379
TARANDA HP (RAILWAYS)	3.407	3.364	3.364	3.341
TO KERALA	-56.335	-57.650	-57.650	-58.185
POWER EXCHANGE(IEX)	12.174	12.079	12.174	12.079
TO POWER EXCHANGE (IEX)	-126.957	-128.082	-126.957	-128.082
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)	-18.427	-18.597	-18.427	-18.597
TO SHARE PROJECT (PUNJAB)	-15.300	-15.441	-15.300	-15.441
TOTAL	**2935.790**	**2876.668**	**1375.184**	**1343.425**
AGENCY WISE BREAKUP OF ENERGY SCHEDULED DRAWAL FROM THE GRID				
NTPC - NR	1522.226	1493.122	483.571	472.238
NTPC - ER	136.165	134.308	90.643	89.415
NHPC	189.812	186.353	189.812	186.353
NPC	64.673	62.757	64.673	62.757
SASAN	288.757	281.124	288.287	280.666
KOTESHWAR	7.017	6.871	7.017	6.871
NATHPA JHAKRI	30.446	29.750	30.446	29.750
TALCHER FOR AUX. OF BTPS	1.256	1.233	0.735	0.722
TEHRI	10.331	10.116	10.331	10.116
TALA	3.440	3.377	3.440	3.377
JHAJJAR	470.270	462.960	0.000	0.000
RAJASTHAN SOLAR(BRPL)T-36	3.678	3.580	3.580	3.553
RAJASTHAN SOLAR(BYPL)T-35	3.480	3.388	3.388	3.362
RAJASTHAN SOLAR(TPDDL)T-31	3.497	3.404	3.404	3.379
DVC	165.985	164.699	164.699	163.484
TUTICORIN BRPL	5.767	5.720	5.720	5.677
MADHYA PRADESH	0.115	0.114	0.114	0.114
GUJRAT	0.441	0.439	0.439	0.436
ANDHRA	0.274	0.272	0.272	0.270
JP NIGRIE	0.071	0.070	0.070	0.069
ESSAR_MAHAN (MP)	0.000	0.000	0.000	0.000
METHON POWER (NDPL)-LT-06	129.551	128.550	128.550	127.609
DVC MEJIA (LT-08)(BYPL)	0.000	0.000	0.000	0.000
Acme_RUMS	0.928	0.918	0.918	0.911
Arinsun_RUMS	0.940	0.930	0.930	0.923
Mahindra_RUMS	0.833	0.824	0.824	0.818

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
JAMMU & KASHMIR	8.334	8.251	8.251	8.190
HIMACHAL PRADESH	49.561	48.951	48.951	48.628
RPREL (CHATTISHGARH)	0.076	0.075	0.075	0.074
HP LT-59 DVC(SURYA KANTA)	2.647	2.613	2.613	2.594
ADHPL (HP)	12.209	12.052	12.052	11.962
ODISHA	0.050	0.050	0.050	0.050
ORISSA MT-20 JITPL -DVC	2.347	2.327	2.327	2.309
MIZORAM	1.829	1.795	1.795	1.782
MP(SOLAR RUMS)	17.736	17.547	17.547	17.414
NANTI HP (TPDDL)	2.483	2.451	2.451	2.434
TARANDA HP (RAILWAYS)	3.407	3.364	3.364	3.341
POWER EXCHANGE(IEX)	12.174	12.079	12.174	12.079
POWER EXCHANGE(PX)	0.000	0.000	0.000	0.000
TOTAL	**3152.808**	**3096.438**	**1593.517**	**1563.730**
b) AGENCY WISE BREAKUP OF ENERGY SCHEDULED BY NRLDC FOR EXPORT TO OTHER UTILITIES FROM DTL				
TO KERALA	-56.335	-57.650	-57.650	-58.185
TO POWER EXCHANGE (IEX)	-126.957	-128.082	-126.957	-128.082
TO POWER EXCHANGE (PX)	0.000	0.000	0.000	0.000
TO SHARE PROJECT (HARYANA)	-18.427	-18.597	-18.427	-18.597
TO SHARE PROJECT (PUNJAB)	-15.300	-15.441	-15.300	-15.441
TOTAL	**-217.018**	**-219.770**	**-218.333**	**-220.305**
TOTAL SCHEDULED DRAWAL FROM THE GRID	**2935.790**	**2876.668**	**1375.184**	**1343.425**

TOTAL CONSUMPTION INCLUDING AUX. OF GENERATING STNs		1682.177
NET CONSUMPTION		**1665.266**
AVAILABILITY WITHIN DELHI		358.293
ACTUAL DRAWAL FROM THE GRID		1306.973
OVER DRAWAL(+)/UNDER DRAWAL(-) FROM THE GRID ON THE BASIS OF SCHEDULED ALLOCATION MADE BY NRLDC TO DELHI AT PERIPHERY		-36.452
LOAD SHEDDING		0.176
UNRESTRICTED DEMAND (GROSS)		1682.353
UNRESTRICTED DEMAND (NET)		1665.442
MAX. NET CONSUMPTION		68.004 ON 30.04.2020
MAX. LOAD SHEDDING		73 MW ON 21.04.2020 AT 10.42HRS.
PEAK LOAD	Peak Demand during the month	SHEDDING AT PEAK TIME
DAY PEAK	3084MW AT 00:00:10 HRS ON 18.04.2020	NIL
EVENING PEAK	3362MW AT 23:16:26 HRS ON 30.04.2020	NIL

8 SHEDDING DETAILS DURING THE MONTH OF APRIL 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.Apr.20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
02.Apr.20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
03.Apr.20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
04.Apr.20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
05.Apr.20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
06.Apr.20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
07.Apr.20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
08.Apr.20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
09.Apr.20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10.Apr.20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11.Apr.20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12.Apr.20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
13.Apr.20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14.Apr.20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15.Apr.20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
16.Apr.20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17.Apr.20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
18.Apr.20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
19.Apr.20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20.Apr.20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
21.Apr.20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22.Apr.20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
23.Apr.20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
24.Apr.20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25.Apr.20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
26.Apr.20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27.Apr.20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
28.Apr.20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
29.Apr.20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30.Apr.20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TOTAL	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

ALL FIGURES IN MUs

Date	Shedding due to Transmission/Grid Constraints in Central Sector Stations / TTC / ATC VOILATION				DUE TO NEW GRID CODE REGULATION DEVIATOIN			Shedding due to Transmission/Grid Constraints in Central sector stations				Total	Total shedding due to grid restrictions
	BSES		TPDDL	NDMC	BSES			BSES		TPDDL	NDMC		
	BYPL	BRPL			BYPL	BRPL	TPDDL	BYPL	BRPL				
1	13	14	15	16	17	18	19	20	21	22	23	24=8 to 23	25=7+24
01.Apr.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.Apr.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.Apr.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.Apr.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.Apr.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.Apr.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.Apr.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.Apr.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.Apr.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.Apr.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.Apr.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.Apr.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.Apr.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.Apr.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.Apr.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.Apr.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.Apr.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.Apr.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.Apr.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.Apr.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.Apr.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.Apr.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.Apr.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.Apr.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
25.Apr.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.Apr.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.Apr.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.Apr.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.Apr.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.Apr.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
TOTAL	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**

ALL FIGURES IN MUs

Date	DUE TO T&D CONSTRAINTS IN DELHI SYSTEM								
	DTL					DISCOMS			
	BSES		TPDDL	NDMC	MES	BSES		TPDDL	NDMC
	BYPL	BRPL				BYPL	BRPL		
1	26	27	28	29	30	31	32	33	34
01.Apr.20	0.000	0.000	0.000	0.000	0.000	0.000	0.006	0.004	0.000
02.Apr.20	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.000	0.000
03.Apr.20	0.014	0.000	0.000	0.000	0.000	0.000	0.0000	0.000	0.000
04.Apr.20	0.004	0.000	0.000	0.000	0.000	0.000	0.011	0.0000	0.000
05.Apr.20	0.000	0.008	0.000	0.000	0.000	0.000	0.000	0.000	0.000
06.Apr.20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
07.Apr.20	0.000	0.000	0.000	0.000	0.000	0.000	0.011	0.000	0.000
08.Apr.20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.000
09.Apr.20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0002	0.000
10.Apr.20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.000
11.Apr.20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12.Apr.20	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.000	0.000
13.Apr.20	0.000	0.000	0.000	0.000	0.000	0.000	0.005	0.001	0.000
14.Apr.20	0.000	0.007	0.000	0.000	0.000	0.000	0.002	0.006	0.000
15.Apr.20	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.001	0.000
16.Apr.20	0.000	0.000	0.0000	0.000	0.000	0.000	0.001	0.001	0.000
17.Apr.20	0.000	0.000	0.0000	0.000	0.000	0.000	0.003	0.000	0.000
18.Apr.20	0.000	0.000	0.000	0.000	0.000	0.011	0.001	0.001	0.000
19.Apr.20	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.002	0.000
20.Apr.20	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	0.000
21.Apr.20	0.000	0.0065	0.001	0.000	0.000	0.000	0.0035	0.0000	0.000
22.Apr.20	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	0.000
23.Apr.20	0.000	0.000	0.002	0.000	0.000	0.000	0.000	0.0000	0.000
24.Apr.20	0.000	0.004	0.000	0.000	0.000	0.000	0.002	0.000	0.000
25.Apr.20	0.009	0.000	0.000	0.000	0.000	0.000	0.000	0.0000	0.000
26.Apr.20	0.000	0.0027	0.001	0.000	0.000	0.000	0.0005	0.000	0.000
27.Apr.20	0.000	0.000	0.000	0.000	0.000	0.000	0.0004	0.0004	0.000
28.Apr.20	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.000	0.000
29.Apr.20	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.0008	0.000
30.Apr.20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TOTAL	0.027	0.029	0.004	0.000	0.000	0.011	0.063	0.024	0.000

ALL FIGURES IN MUs

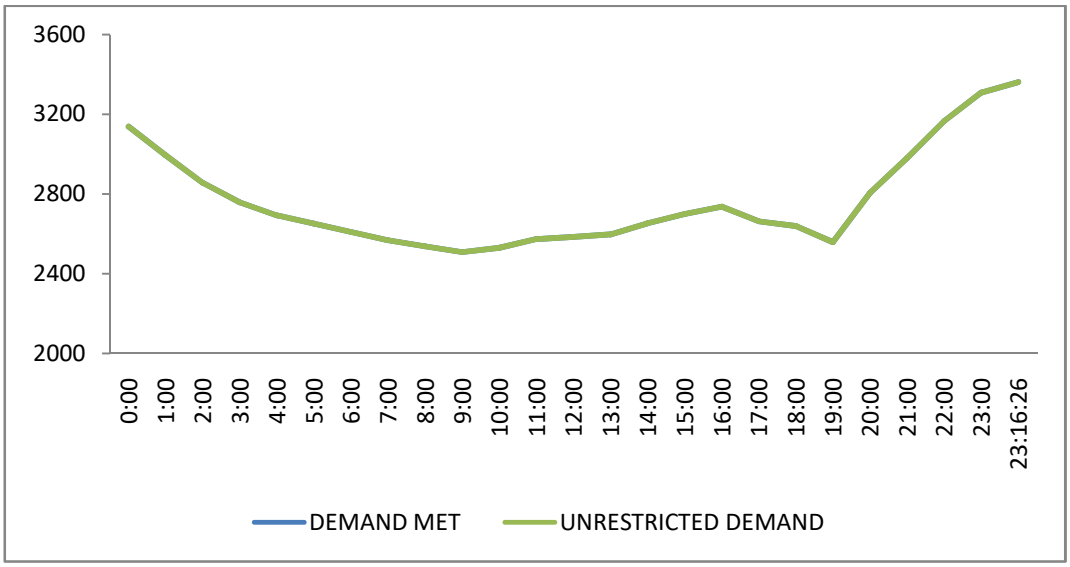
DATE	OTHER AGENCIES LIKE GENCO, BBMB, BTPS ETC.				THEFT PRONE SHEDDING			TOTAL SHEDDING DUE TO T&D CONSTS. & THEFT PRONE	GRAND TOTAL
	BSES		TPDDL	NDMC	BSES		TPDDL		
	BYPL	BRPL			BYPL	BRPL			
1	35	36	37	38	39	40	41	42= 26 to 41	43 = 25 + 42
01.Apr.20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.010**	**0.010**
02.Apr.20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.004**	**0.004**
03.Apr.20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.014**	**0.014**
04.Apr.20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.015**	**0.015**
05.Apr.20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.008**	**0.008**
06.Apr.20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**	**0.000**
07.Apr.20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.011**	**0.011**
08.Apr.20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.004**	**0.004**
09.Apr.20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**	**0.000**
10.Apr.20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.003**	**0.003**
11.Apr.20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**	**0.000**
12.Apr.20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.004**	**0.004**
13.Apr.20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.006**	**0.006**
14.Apr.20	0.000	0.009	0.008	0.000	0.000	0.000	0.000	**0.032**	**0.032**
15.Apr.20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.002**	**0.002**
16.Apr.20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.002**	**0.002**
17.Apr.20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.003**	**0.003**
18.Apr.20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.013**	**0.013**
19.Apr.20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.005**	**0.005**
20.Apr.20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.001**	**0.001**
21.Apr.20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.011**	**0.011**
22.Apr.20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.001**	**0.001**
23.Apr.20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.002**	**0.002**
24.Apr.20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.006**	**0.006**
25.Apr.20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.009**	**0.009**
26.Apr.20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.004**	**0.004**
27.Apr.20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.001**	**0.001**
28.Apr.20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.002**	**0.002**
29.Apr.20	0.000	0.000	**0.0004**	0.000	0.000	0.000	0.000	**0.003**	**0.003**
30.Apr.20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**	**0.000**
TOTAL	**0.000**	**0.009**	**0.008**	**0.000**	**0.000**	**0.000**	**0.000**	**0.176**	**0.176**

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.Apr.20	**41.916**	**2465**	08:35:27	0	2465	**2465**	08:35:27	**2465**	0
02.Apr.20	**44.467**	**2296**	07:59:51	0	**2296**	**2296**	07:59:51	**2296**	0
03.Apr.20	**44.445**	**2257**	08:45:02	0	**2257**	**2257**	08:45:02	**2257**	0
04.Apr.20	**44.303**	**2163**	08:42:25	0	**2163**	**2163**	08:42:25	**2163**	0
05.Apr.20	**45.216**	**2220**	10:48:33	0	**2220**	**2220**	10:48:33	**2220**	0
06.Apr.20	**46.419**	**2235**	19:49:26	0	**2235**	**2235**	19:49:26	**2235**	0
07.Apr.20	**48.131**	**2240**	10:16:53	0	**2240**	**2240**	10:16:53	**2240**	0
08.Apr.20	**47.646**	**2215**	08:27:37	0	**2215**	**2215**	08:27:37	**2215**	0
09.Apr.20	**47.609**	**2251**	19:34:19	0	**2251**	**2251**	19:34:19	**2251**	0
10.Apr.20	**50.013**	**2309**	21:00:49	0	**2309**	**2309**	21:00:49	**2309**	0
11.Apr.20	**51.381**	**2402**	21:25:17	0	**2402**	**2402**	21:25:17	**2402**	0
12.Apr.20	**53.524**	**2510**	21:25:21	0	**2510**	**2510**	21:25:21	**2510**	0
13.Apr.20	**56.969**	**2759**	22:42:22	0	**2759**	**2759**	22:42:22	**2759**	0
14.Apr.20	**60.037**	**3017**	23:01:19	0	**3017**	**3017**	23:01:19	**3017**	0
15.Apr.20	**63.555**	**3007**	22:58:18	0	**3007**	**3007**	22:58:18	**3007**	0
16.Apr.20	**64.358**	**3169**	23:01:06	0	**3169**	**3169**	23:01:06	**3169**	0
17.Apr.20	**65.290**	**3131**	23:18:45	0	**3131**	**3131**	23:18:45	**3131**	0
18.Apr.20	**60.064**	**3084**	00:00:10	0	**3084**	**3084**	00:00:10	**3084**	0
19.Apr.20	**58.599**	**2977**	23:01:06	0	**2977**	**2977**	23:01:06	**2977**	0
20.Apr.20	**59.462**	**2955**	00:20:38	0	**2955**	**2955**	00:20:38	**2955**	0
21.Apr.20	**57.637**	**2745**	23:16:27	0	**2745**	**2745**	23:16:27	**2745**	0
22.Apr.20	**59.629**	**2906**	22:54:26	0	**2906**	**2906**	22:54:26	**2906**	0
23.Apr.20	**61.622**	**2884**	23:19:55	0	**2884**	**2884**	23:19:55	**2884**	0
24.Apr.20	**62.038**	**3070**	23:24:52	0	**3070**	**3070**	23:24:52	**3070**	0
25.Apr.20	**63.952**	**3100**	23:24	0	**3100**	**3100**	23:24	**3100**	0
26.Apr.20	**59.401**	**3072**	00:00	0	**3072**	**3072**	00:00	**3072**	0
27.Apr.20	**55.367**	**2692**	22:40:05	0	**2692**	**2692**	22:40:05	**2692**	0
28.Apr.20	**59.374**	**3019**	23:08:51	0	**3019**	**3019**	23:08:51	**3019**	0
29.Apr.20	**64.838**	**3174**	23:00	0	**3174**	**3174**	23:00	**3174**	0
30.Apr.20	**68.004**	**3362**	23:16:26	0	**3362**	**3362**	23:16:26	**3362**	0
TOTAL	**1665.266**	**3362** 30.04.20	23:16:26	0	**3362** 30.04.20	**3362**	23:16:26	**3362**	0

9 LOAD PATTERN OF DELHI ON THE DAY OF PEAK DEMAND MET DURING APRIL 2020 ON 30.04.2020- 3362 MW AT 23:16:26HRS.

All figures in MW

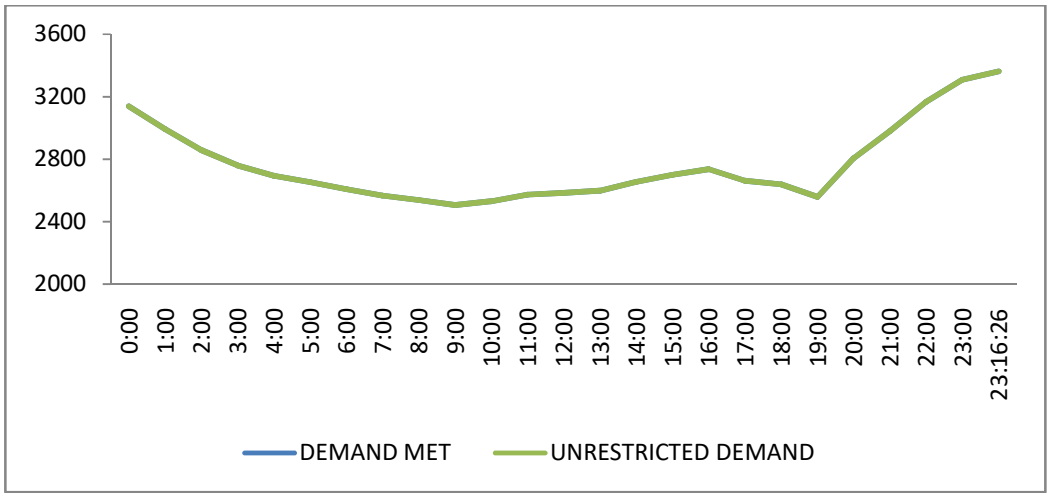
Hrs.	Demand	Load Shedding	Un-Restricted Demand
0:00	3139	0	3139
1:00	2993	0	2993
2:00	2857	0	2857
3:00	2759	0	2759
4:00	2693	0	2693
5:00	2652	0	2652
6:00	2609	0	2609
7:00	2566	0	2566
8:00	2537	0	2537
9:00	2507	0	2507
10:00	2530	0	2530
11:00	2573	0	2573
12:00	2584	0	2584
13:00	2597	0	2597
14:00	2653	0	2653
15:00	2699	0	2699
16:00	2736	0	2736
17:00	2662	0	2662
18:00	2638	0	2638
19:00	2558	0	2558
20:00	2806	0	2806
21:00	2980	0	2980
22:00	3166	0	3166
23:00	3309	0	3309
23:16:26	**3362**	0	3362
Total (IN MUS)	**68.004**	**0.000**	**68.004**



10 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UN-RESTRICTED DEMAND DURING APRIL 2020 ON 30.04.2020- 3362 MW AT 23:16:26HRS.

All figures in MW

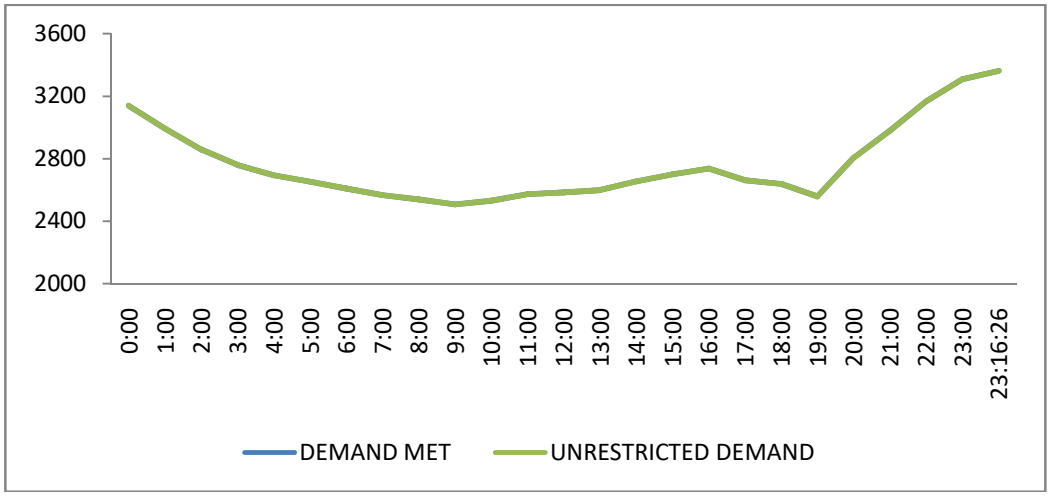
Hrs.	Demand	Load Shedding	Un-Restricted Demand
0:00	3139	0	3139
1:00	2993	0	2993
2:00	2857	0	2857
3:00	2759	0	2759
4:00	2693	0	2693
5:00	2652	0	2652
6:00	2609	0	2609
7:00	2566	0	2566
8:00	2537	0	2537
9:00	2507	0	2507
10:00	2530	0	2530
11:00	2573	0	2573
12:00	2584	0	2584
13:00	2597	0	2597
14:00	2653	0	2653
15:00	2699	0	2699
16:00	2736	0	2736
17:00	2662	0	2662
18:00	2638	0	2638
19:00	2558	0	2558
20:00	2806	0	2806
21:00	2980	0	2980
22:00	3166	0	3166
23:00	3309	0	3309
23:16:26	**3362**	0	3362
Total (IN MUS)	**68.004**	**0.000**	**68.004**



11 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM ENERGY CONSUMED DURING APRIL 2020 – 30.04.2020 – 68.004 Mus

All figures in MW

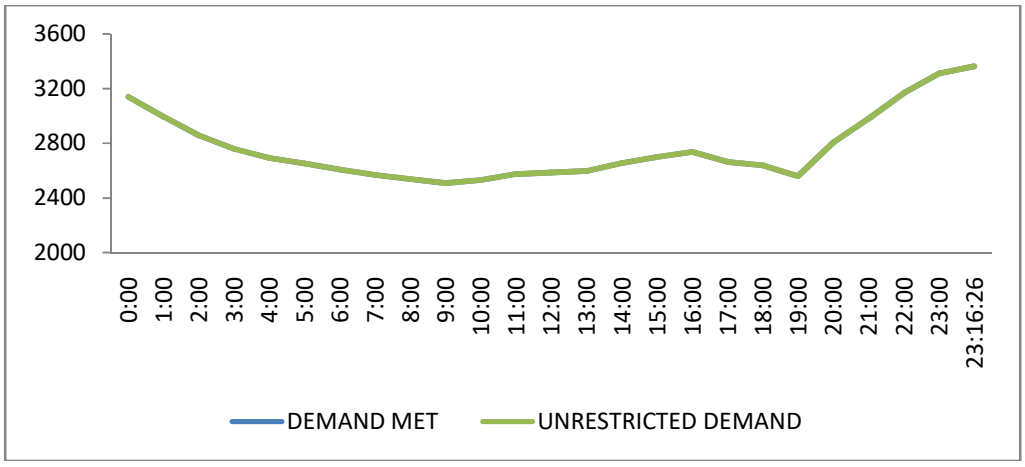
Hrs.	Demand	Load Shedding	Un-Restricted Demand
0:00	3139	0	3139
1:00	2993	0	2993
2:00	2857	0	2857
3:00	2759	0	2759
4:00	2693	0	2693
5:00	2652	0	2652
6:00	2609	0	2609
7:00	2566	0	2566
8:00	2537	0	2537
9:00	2507	0	2507
10:00	2530	0	2530
11:00	2573	0	2573
12:00	2584	0	2584
13:00	2597	0	2597
14:00	2653	0	2653
15:00	2699	0	2699
16:00	2736	0	2736
17:00	2662	0	2662
18:00	2638	0	2638
19:00	2558	0	2558
20:00	2806	0	2806
21:00	2980	0	2980
22:00	3166	0	3166
23:00	3309	0	3309
23:16:26	3362	0	3362
Total (IN MUS)	**68.004**	**0.000**	**68.004**



12 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UNRESTRICTED ENERGY DEMAND DURING APRIL 2020 – 30.04.2020 – 68.004 Mus

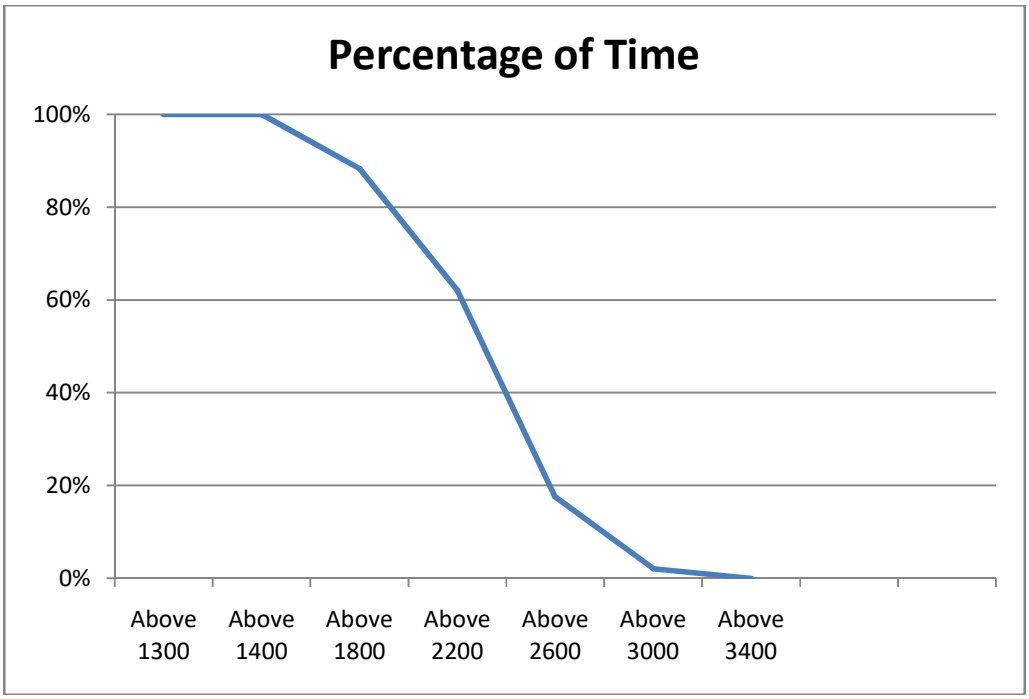
All figures in MW

Hrs.	Demand	Load Shedding	Un-Restricted Demand
0:00	3139	0	3139
1:00	2993	0	2993
2:00	2857	0	2857
3:00	2759	0	2759
4:00	2693	0	2693
5:00	2652	0	2652
6:00	2609	0	2609
7:00	2566	0	2566
8:00	2537	0	2537
9:00	2507	0	2507
10:00	2530	0	2530
11:00	2573	0	2573
12:00	2584	0	2584
13:00	2597	0	2597
14:00	2653	0	2653
15:00	2699	0	2699
16:00	2736	0	2736
17:00	2662	0	2662
18:00	2638	0	2638
19:00	2558	0	2558
20:00	2806	0	2806
21:00	2980	0	2980
22:00	3166	0	3166
23:00	3309	0	3309
23:16:26	3362	0	3362
Total (IN MUS)	**68.004**	**0.000**	**68.004**



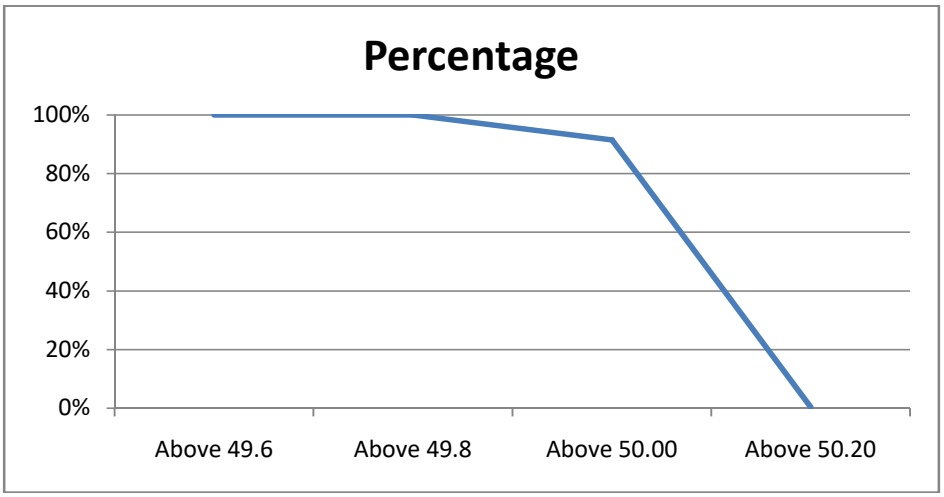
13 LOAD DURATION CURVE FOR APRIL 2020

Load in MW	Percentage of Time
Above 1300	100%
Above 1400	99.97%
Above 1800	88.30%
Above 2200	61.98%
Above 2600	17.50%
Above 3000	2.12%
Above 3400	0.00%



14 FREQUENCY ANALYSIS FOR THE MONTH OF APRIL 2020

Frequency Range in Hz.	Percentage of time
Above 49.6	100%
Above 49.8	100.00%
Above 50.00	91.46%
Above 50.20	0.31%



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

All figures in kV

Date	NARELA		GAZIPUR	
	Max	Min	Max	Min
01.Apr.20	234.46	221.05	239.49	225.43
02.Apr.20	233.43	222.21	239.23	225.56
03.Apr.20	233.30	177.71	240.26	226.72
04.Apr.20	233.30	220.79	238.33	225.69
05.Apr.20	232.40	214.47	238.46	217.95
06.Apr.20	230.46	220.15	236.65	223.76
07.Apr.20	232.53	221.05	239.10	225.43
08.Apr.20	231.88	220.53	238.85	224.40
09.Apr.20	232.66	219.50	237.81	223.11
10.Apr.20	232.78	218.47	237.17	224.01
11.Apr.20	231.75	219.63	237.30	223.76
12.Apr.20	232.40	216.41	238.97	221.69
13.Apr.20	231.75	218.21	237.94	221.69
14.Apr.20	230.72	217.82	237.17	223.37
15.Apr.20	232.53	217.05	238.85	223.11
16.Apr.20	231.24	216.92	237.30	220.53
17.Apr.20	231.37	218.98	236.27	222.47
18.Apr.20	231.11	220.79	235.88	224.40
19.Apr.20	230.59	217.18	237.69	222.08
20.Apr.20	232.40	220.92	237.04	226.21
21.Apr.20	233.04	218.21	238.20	223.50
22.Apr.20	232.78	218.34	237.94	224.14
23.Apr.20	233.82	218.98	239.23	223.50
24.Apr.20	231.11	216.92	236.01	222.34
25.Apr.20	230.08	214.34	236.91	220.40
26.Apr.20	234.59	217.95	239.88	223.50
27.Apr.20	227.63	217.31	234.07	224.40
28.Apr.20	228.01	214.99	234.46	220.15
29.Apr.20	231.37	216.66	235.23	221.18
30.Apr.20	229.17	214.60	232.53	219.76

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

All figures in kV

Date	400kV Bamnauli Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01.Apr.20	414.81	01:57:31	389.95	19:03:43	403.77
02.Apr.20	413.40	04:01:26	391.36	09:33:35	403.96
03.Apr.20	412.70	02:58:58	392.06	19:19:10	404.48
04.Apr.20	413.17	03:34:12	390.89	19:19:44	404.13
05.Apr.20	411.99	03:59:15	381.04	19:06:48	400.63
06.Apr.20	409.65	03:27:09	391.59	19:39:31	401.42
07.Apr.20	413.17	16:02:35	392.76	19:28:35	404.86
08.Apr.20	412.70	02:30:46	391.59	19:28:19	404.08
09.Apr.20	414.57	16:01:42	390.19	19:30:52	404.41
10.Apr.20	414.57	16:02:30	389.01	19:17:56	402.85
11.Apr.20	411.29	16:00:59	389.01	19:10:10	401.99
12.Apr.20	411.99	16:02:13	381.98	19:13:34	401.86
13.Apr.20	412.46	14:53:38	386.20	19:17:48	402.99
14.Apr.20	411.99	17:01:01	387.61	19:32:02	402.34
15.Apr.20	413.40	16:04:15	385.73	19:08:46	401.17
16.Apr.20	415.04	12:00:23	387.84	22:16:11	403.64
17.Apr.20	414.81	16:02:03	390.89	22:11:55	402.56
18.Apr.20	415.04	16:01:47	392.06	22:35:18	404.55
19.Apr.20	413.17	11:44:41	386.43	22:31:03	402.93
20.Apr.20	417.15	16:00:35	394.41	00:04:43	406.81
21.Apr.20	417.15	16:01:39	390.19	19:32:49	407.22
22.Apr.20	415.04	16:00:53	385.73	22:11:24	404.27
23.Apr.20	416.92	15:01:46	388.54	19:23:37	403.06
24.Apr.20	412.46	16:02:31	386.67	22:13:52	400.39
25.Apr.20	412.46	11:02:04	380.34	22:34:36	400.63
26.Apr.20	418.56	13:59:28	388.08	00:07:26	404.57
27.Apr.20	407.77	04:01:15	388.78	22:12:03	401.65
28.Apr.20	408.01	16:01:36	380.34	22:08:47	397.82
29.Apr.20	411.99	16:00:50	383.15	22:12:12	400.43
30.Apr.20	409.65	16:02:05	382.68	22:19:46	399.29

All figures in kV

Date	400kV Bawana Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01.Apr.20	433	01:57:31	408	19:04:45	422
02.Apr.20	431	16:03:02	409	09:34:57	422
03.Apr.20	430	02:59:41	406	12:16:59	422
04.Apr.20	431	02:58:10	404	19:20:22	419
05.Apr.20	425	15:00:50	394	19:05:33	414
06.Apr.20	424	03:29:00	404	19:39:23	414
07.Apr.20	425	16:02:00	404	19:29:43	417
08.Apr.20	427	01:49:18	392	19:28:19	404
09.Apr.20	435	16:01:29	390	19:30:52	404
10.Apr.20	436	16:01:29	409	19:22:31	424
11.Apr.20	434	16:00:39	410	19:08:42	423
12.Apr.20	435	16:01:49	403	19:13:32	423
13.Apr.20	435	16:02:07	406	19:17:49	424
14.Apr.20	434	17:00:38	409	19:21:40	424
15.Apr.20	438	16:03:47	416	00:03:54	426
16.Apr.20	436	16:01:55	407	19:14:57	425
17.Apr.20	436	16:02:38	411	19:25:48	423
18.Apr.20	435	16:03:55	413	21:02:40	425
19.Apr.20	434	16:01:58	406	19:37:49	423
20.Apr.20	436	16:00:44	414	00:05:53	426
21.Apr.20	436	10:33:06	408	19:32:10	426
22.Apr.20	464	13:31:49	386	22:11:24	404
23.Apr.20	404	21:29:16	389	19:23:37	403
24.Apr.20	423	16:02:12	395	19:40:49	409
25.Apr.20	422	10:59:47	390	22:35:07	410
26.Apr.20	427	12:01:29	398	00:07:18	413
27.Apr.20	417	16:02:15	397	19:19:55	410
28.Apr.20	417	16:00:36	390	22:09:04	407
29.Apr.20	422	16:01:17	393	22:12:12	409
30.Apr.20	404	20:25:52	391	22:31:43	401

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

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
01	01.04.20	19.10	33/11KV 16MVA PR. TR AT LODHI ROAD	02.04.20	13.19	TR. TRIPPED ON DIFFERENTIAL, R&B PHASE. MONKEY FOUND ELECRICUTED
02	02.04.20	17.01	220KV PATPARGANJ – GEETA COLONY CKT-I	02.04.20	17.52	CKT. TRIPPED ON DIST PROT AB PHASE ACTIVE, 86 AT PATPARGANJ AND ON DIST PROT ABC PHASE, ZONE-II 86, E/F AT GEETA COLONY. 220KV BUS COUPLER AT GEETA COLONY ALSO TRIPPED ON 86.
03	03.04.20	10.25	220KV MUNDKA – KANJHAWA CKT.	03.04.20	12.29	CKT. TRIPPED ON RYB PHASE, SUPERVISION RELAY AT KANJHAWALA.
04	03.04.20	16.56	220KV MAHARANI BAGH – GAZIPUR CKT-II	03.04.20	18.22	CKT. TRIPPED ON `Y&B' PH, DIFF. PROT AT GAZIPUR AND ON DIST PROT ABC PHASE, ZONE-I, 86 AT MAHARANI BAGH
05	03.04.20	17.05	220KV PATPARGANJ – GEETA COLONY CKT-I & II	03.04.20	17.15	CKT-I & II TRIPPED ON DIFFERENTIAL PROTECTION, 86 AT PATPARGANJ. NO TRIPPING AT GEETA COLONY
06	03.04.20	17.05	220KV IP – PATPARGANJ CKT-I & II	03.04.20	17.45	CKT-I & II TRIPPED ON R&Y PHASE AT PATPARGANJ
07	03.04.20	17.05	220/33KV 100MVA PR. TR-I, II & III AND 220/66KV 100MVA TR-I & II AT PATPARGANJ	03.04.20	17.25	TXs TRIPPED ON INTER TRIPPING. 220/33KV TRs CHARGED AT 1725HRS AND 220/66KV TRs CHARGED AT 17.20HRS. 220KV BUS COUPLER AT PATPARGANJ ALSO TRIPPED ON 27, 80P WHICH CHARGED AT 18.15HRS.
08	03.04.20	20.25	220KV DWARKA – BODELLA CKT-II	03.04.20		CKT. TRIPPED ON DIST. PROT. ZONE-I, II & III, O/C, DIFFERENTIAL B PHASE AT DWARKA.
09	05.04.20	16.16	220/66KV 160MVA PR. TR AT GAZIPUR	05.04.20	16.52	TR. TRIPPED ON O/C, E/F, B PHASE ALONG WITH 220KV BUS COUPLER WHICH TRIPPED ON 80AC, 51A, 51N. 66KV I/C-I TRIPPED WITHOUT INDICATION WHICH CHARGED AT 17.14HRS. 66KC I/C-II TRIPPED ON AIR PRESSURE LOW, 86 LOCK OUT, 51A WHICH CHARGED AT 16.52HRS AND 66KV I/C-III TRIPPED ON RYB PHASE O/C WHICH CHARGED AT 16.52HRS.
10	05.04.20	16.16	66/11KV 20MVA PR. TR.-I AT GAZIPUR	05.04.20	16.58	TR. TRIPPED WITHOUT INDICATION ALONG WITH ITS 11KV I/C WHICH ALSO TRIPPED WITHOUT INDICATION.
11	08.04.20	14.22	220KV WAZIRABAD – KASHMIRI GATE CKT-II	08.04.20	16.21	CKT. TRIPPED ON DIST PROT R PHASE ZONE-I AT WAZIRABAD AND ON LINE DIFFERENTIAL RY PHASE, AR, 3 PHASE TRIPPED AT KASHMIRI GATE
12	10.04.20	16.01	220KV BTPS – SARITA VIHAR CKT.	10.04.20	16.56	CKT. TRIPPED ON OVER VOLTAGE AT BTPS.
13	13.04.20	05.44	220KV BAMNAULI – PAPPANKALAN-II CKT-II	13.04.20	06.06	CKT. TRIPPED ON DIST PROT ZONE-I, 86 AT PAPPANKALAN-II
14	14.04.20	11.57	220KV MANDOLA – WAZIRABAD CKT-I	14.04.20	15.57	CKT. TRIPPED ON 86 AT MANDOLA AND ON R PHASE ZONE-I AT WAZIRABAD
15	14.04.20	14.15	220KV NARELA – ROHTAK ROAD CKT-II	14.04.20	16.50	CKT. TRIPPED ON DIST PROT ABC PHASE ZONE-I AT NARELA
16	14.04.20	14.19	220KV NARELA – ROHTAK ROAD CKT-I	14.04.20	16.50	CKT. TRIPPED ON 186, ABC PHASE ZONE-I AT NARELA
17	15.04.20	11.09	220KV MANDOLA – WAZIRABAD CKT-I	15.04.20	14.41	CKT. TRIPPED ON R PHASE DIFFERENTIAL TRIP, 86 AUTO RECLOSE LOCK OUT AT WAZIRABAD.
18	15.04.20	13.27	220KV NAJAFGARH – KANJHAWALA CKT	15.04.20	13.30	CKT. TRIPPED ON DIST PROT `B' PHASE ZONE-II AT KANJHAWALA
19	15.04.20	20.30	66/11KV 20MVA PR. TR-III AT PAPPANKALAN-I	15.04.20	21.23	TR. TRIPPED ON O/C
20	15.04.20	22.12	66/11KV 20MVA PR. TR-III AT PAPPANKALAN-I	16.04.20	15.19	TR. TRIPPED WITHOUT INDICATION.
21	16.04.20	10.55	220/66KV 100MVA PR. TR-II AT VASANT KUNJ	16.04.20	18.05	TR. TRIPPED ON POLE DISCREPENCY

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
22	16.04.20	17.29	220/33KV 100MVA PR. TR.-IV AT PATPARGANJ	16.04.20	19.07	TR. TRIPPED ON 86 GROUP B, OVER FLUX, ALONG WITH ITS 33KV I/C WHICH TRIPPEDO N 86
23	18.04.20	18.05	220KV SHALIMAR BAGH – ROHINI-II CKT	18.04.20	19.03	CKT. TRIPPED ON DIST PRO ZONE-I Y&B PHASE AT SHALIMAR BAGH
24	18.04.20	18.33	220KV GAZIPUR – NOIDA SEC-20 CKT	18.04.20	19.55	NO TRIPPING AT GAZIPUR
25	20.04.20	19.52	400KV MANDOLA – BAWANA CKT-II	18.04.20	21.53	CB 1752 AND 1852 TRIPPED ON RYB PHASE ZONE-I AT BAWANA. Y&B PHASE CT DAMAGED
26	21.04.20	10.35	220KV WAZIRPUR – PEERA GARHI CKT-II	21.04.20	10.45	CKT. TRIPPED ON 86A&B AT WAZIRPUR.
27	21.04.0	10.41	220KV SHALIMAR BAGH – WAZIRPUR CKT-I	21.04.20	12.24	CKT. TRIPPED ON O/V AT SHALIMAR BAGH
28	22.04.20	15.24	400KV MANDOLA – BAWANA CKT-I & II	22.04.20	17.52	`R' PHASE CVT OF 400KV BUS-I BLAST AT BAWANA. CKT-I & II CHARGED AT 17.52HRS AND 17.26HRS RESPECTIVELY. 315MVA ICT-II AND 220KV I/C-II CHARGED AT 17.07HRS. THROUGH BUS-II
29	23.04.20	16.03	220KV NARELA – ROHTAK ROAD CKT-II	23.04.20	19.03	CKT. TRIPPED ON DIST PROT RYB PHASE ZONE-II AT NARELA
30	23.04.20	17.09	220KV GOPALPUR – SUBZI MANDI CKT-I	23.04.20	18.41	CKT. TRIPPED ON DIST PROT RY PHASE ZONE-I AT GOPALPUR.
31	23.04.20	19.37	220KV NARELA – ROHTAK ROAD CKT-II	23.04.20	21.52	CKT. TRIPPED ON DIST PROT RY PHASE ZONE-II AT NARELA.
32	24.04.20	12.50	220/33KV 100MVA PR. TR.-I AT PEERA GARHI	23.04.20	19.09	TR. TRIPPED WITHOUT INDICATION
33	24.04.20	18.36	220/33KV 100MVA PR. TR.-IV AT OKHLA	24.04.20	19.25	TR. TRIPPED ON CTR 86, 86, 64 ALONG WITH 33KV I/C-III & IV. 33KV I/C-III TRIPPED ON 86, 51N AND 33KV I/C-IV TRIPPED ON 86
34	24.04.20	19.35	400KV BAWANA – MUNDKA CKT-II	25.04.20	18.50	CKT. TRIPPED ON CB TROUBLE, 186A, ZONE-I AT BAWANA.
35	25.04.20	13.10	220KV NARELA – ROHTAK ROAD CKT-I	25.04.20	15.17	CKT. TRIPPED ON DIST PROT ABC PHASE ZONE-I AT NARELA.
36	25.04.20	17.45	220/33KV 100MVA PR. TR.-IV AT PATPARGANJ	26.04.20	01.37	TR. TRIPPED ON O/C, E/F, DIFFERENTIAL R&Y AT PATPARGANJ. 33KV BUS COUPLER ALSO TRIPPED.
37	26.04.20	12.07	33/11KV 16MVA PR.-I AT SUBZI MANDI	26.04.20	16.38	TR. TRIPPED ON DIFFERENTIAL, 87B, 95ABC, DC SUPPLY FAILURE.
38	26.04.20	14.08	220KV WAZIRPUR – PEERA GAHI CKT-II	26.04.20	17.09	CKT. TRIPPED ON PSV, HIGH VOLTAGE AT WAZIRPUR
39	26.04.20	09.28	400KV MUNDKA – JHAJJAR CKT-II	29.04.20	16.50	CKT. TRIPPED ON DFIST PROT RY PHASE ZONE-I AT MUNDKA

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

NIL