

DELHI TRANSCO LTD.

STATE LOAD DISPATCH CENTER

PROGRESS REPORT

AUGUST - 2020

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1 SALIENT FEATURES OF DELHI POWER SYSTEM

Sr. No.	Features	AUGUST 2019	AUGUST 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 Energy Plant)	16	16
	EDWPCL (Waste to Energy Plant)	10	10
	DMSWL (Waste to Energy Plant)	24	24
	Total	2156	2156
2	Maximum Unrestricted Demand (MW)	6473	5737
	Date	29.08.19	08.08.2020
	Time	15.12.28	22.58.27
3	Peak Demand met (MW)	6473	5737
	Date	29.08.19	08.08.2020
	Time	15.12.28	22.58.27
4	Peak Availability (MW)	6379	5552
5	Shortage (-) / Surplus (+) in MW	(-) 94	-185
6	Percentage Shortage (-) / Surplus (+)	(-) 1.45	-3.22
7	Maximum Energy Consume in a day (Mus)	132.612	114.669
8	Energy Consumed during the month	3545.520	3165.946
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	0.087	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	0.087	0.000
B)	Due to Constraints in System in Mus		
	DTL	0.381	0.151
	TPDDL	0.168	0.051
	BRPL	0.416	0.327
	BYPL	0.077	0.023
	NDMC	0.000	0.000
	MES	0.000	0.000
	Other Agencies	0.000	0.001
	Total	1.042	0.553
10	Grand Total in Mus	1.129	0.553

2. PERFORMANCE OF GENERATING STATIONS WITHIN DELHI DURING AUGUST 2020

A) For the month of Aug 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	0.124	-0.124	0.00	0.000
2.	GT	56.984	1.698	55.286	28.43	114.336
3.	PPCL	149.015	3.425	145.59	61.45	81.280
4.	Bawana	208.823	8.213	200.61	80.17	601.523
5.	Towmcl	14.664	2.095	12.569	--	--
6.	EDWPCL	1.120	0.506	0.614	--	--
7.	DMSWL	13.871	2.199	11.672	--	--
	TOTAL	444.477	18.260	426.217	--	797.139

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

Power Station	Effective Capacity (MW)	Net Generation in MUs for August 2020	Availability PLF (%) for August 2020	PLF (%) for August 2020	Cumulative Generation in MUs upto August 2020 for the year 2020-21	Cumulative Availability in % upto August 2020 for the year 2020-21
RPH	135	-0.124	0.00	-0.12	0.000	0.00
GT	270	55.286	87.11	23.09	231.144	85.85
PPCL	330	145.59	95.58	59.78	716.348	94.17
Bawana	1372	200.61	80.19	85.00	1256.902	85.08
Towmcl	16	12.569	--	--	72.632	--
EDWPCL	10	0.614	--	--	7.556	--
DMSWL	24	11.672	--	--	68.735	--
TOTAL	2936	426.217	--	-	2353.317	--

**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	16.08.20	02:50	Low demand
		16.08.20	12:00	27.08.20	10:52	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	21.08.20	16:39	Low demand
21.08.20	16:45	27.08.20	10:06	Low demand		
3	30	01-04-20	0:00	31-8-20	24:00	Low Demand
4	30	01-04-20	0:00	31-08-20	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
		13.08.20	9:35	13.08.20	17:04	Unit tripped on high TAD
		16.08.20	5:55	16.08.20	11:18	Low demand
		27.08.20	13:24	31.08.20	23:59	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
		24.08.20	14:45	24.08.20	15:13	GT out due to 11 Kv breaker SF6 gas pressure low
		24.08.20	16:45	24.08.20	18:11	GT out due to 11 Kv breaker SF6 gas pressure low
		27.08.20	13:10	31.08.20	23:59	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	16.08.20	5:45	Low demand
		16.08.20	12:00	27.08.20	12:58	Low demand
ST G-2	30	01-04-20	0:00	31.08.20	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
		13.08.20	9:45	13.08.20	11:07	Unit tripped on Low consendor Vaccum
		15.08.20	18:55	16.08.20	10:45	unit tripped due to heavy jerk occurd in control room
		19.08.20	10:35	19.08.20	16:55	unit tripped on alarm CH-I, CH-II Class-A trip realy .
		27.08.20	13:24	31.08.20	23:59	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
12.08.2020	23:12	13.08.20	10:28	GT#1 was stopped and started as desired by SLDC		
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
		12.08.2020	23:12	13.08.20	10:28	GT#1 was stopped and started as desired by SLDC
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
		09.08.20	04:23	09.08.20	12:08	GT#1 unloaded on high filter D.P. protection due to bad weather.
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
		11.08.20	06:44	11.08.20	07:51	GT#2 unloaded on high filter D.P. protection due to bad weather.
		13.08.20	02:30	14.08.20	09:00	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
		01.08.20	15:45	01.08.20	20:00	Desynchronise due to (HFW007) valve closed in heavy rain.
		09.08.20	04:23	09.08.20	12:08	Half STG taken out due to outage of GT#1.
		11.08.20	06:45	11.08.20	09:04	Half STG taken out due to outage of GT#2.
13.08.20	02:30	14.08.20	09:00	Half STG taken out due to outage of GT#2.		
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	31.08.20	23:59	STG#2 taken out due to suspected stator earth fault

4 ALLOCATION OF POWER TO DISCOMS

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

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	NDM C	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										
<u>NTPC STATIONS</u>										
Singrauli STPS	2000	7.50	150.00	30	74	46	0	0		
Rihand Stage-I	1000	10.00	100.00	69	0	31	0	0		
Rihand Stage -II	1000	12.60	126.00	55	32	39	0	0		
Rihand Stage-III	1000	13.19	131.91	78	54	0	0	0		
ANTA GPS	419	10.50	44.00	19	11	13	0	0		
Auriya GPS	663.36	10.86	72.04	32	18	22	0	0		
Dadri GPS	829.78	10.96	90.94	40	23	28	0	0		
Dadri (Th)-I	840	90.00	756.00	559	62	10	125	0		
Dadri (Th) -II	980	74.24	727.53	543	175	10	0	0		
Unchahaar-I TPS	420	5.71	23.98	11	6	7	0	0		
Unchahaar-II TPS	420	11.19	47.00	21	12	14	0	0		
Unchahaar-III TPS	210	13.81	29.00	13	7	9	0	0		
Unchahaar-IV TPS	500									
Jhajjar	1500	46.20	693.00	10	69	614	0	0		
Farakka(From ER)	1600	1.39	22.24	10	6	7	0	0		
Kahalgaoon-I(From ER)	840	6.07	50.99	22	13	16	0	0		
Kahalgaoon-II(From ER)	1500	10.49	157.35	69	40	48	0	0		
TOTAL NTPC	15722		3221.98	1581	602	914	125	0	0	0
<u>NHPC (HYDRO)</u>										
Baira Suil HPS	180	11.00	19.80	8.7	5.0	6.1	0	0		
Salal HPS	690	11.62	80.18	59.8	20.4	0	0	0		
Tanakpur HEP	94	12.81	12.07	5.30	3.07	3.70	0	0		
Chamera HEP	540	7.90	42.66	18.7	10.8	13.1	0	0		
Chamera-II HEP	300	13.33	39.99	17.6	10.2	12.3	0	0		
Chamera-III HEP	231	12.73	29.42	12.9	7.5	9.0	0	0		
URI-I HEP	480	11.04	52.99	23.3	13.5	16.3	0	0		
URI -II HEP	240	13.45	32.28	14.2	8.2	9.9	0	0		
Sewa HEP	120	13.33	16.00	7.02	4.06	4.91	0	0		
Dhauri Ganga HEP	280	13.21	36.99	16.2	9.4	11.3	0	0		
Dulhasti HEP	390	12.83	50.04	22.0	12.7	15.4	0	0		
Parbati-III HEP	520	12.73	66.20	29.1	16.8	20.3	0	0		
Total NHPC	4065		478.61	234.81	121.6	122	0	0	0	0

Name of the Stn	Installed capacity in MW	Capacity Allocation to Delhi In%	Capacity Allocation to Delhi in MW	DISCOMWISE CAPACITY ALLOCATION IN MW						
				BRPL	BYPL	TPDDL	NDM C	MES	RPH	NR
Nathpa Jhakri HEP	1500	9	142.05	62	36	44	0	0		
Tehri Hydro	1000	6.30	63.00	44	0	19	0	0		
Koteshwar HEP	400	9.86	39.44	27	0	12	0	0		
Total THDC	1400		102.44	71.01	0	31.4	0	0	0	0
Singrauli Hyd	8	19.13	1.53	0	0	1.53				
<u>NPC (NUCLEAR)</u>										
Narora APS	440	10.68	46.99	33	0	14	0	0		
RAPP (C)	440	12.69	55.84	25	14	17	0	0		
TOTAL NPC	880		102.83	57	14	32	0	0	0	0
<u>Allocation from ER</u>										
Tala HEP	1020	2.94	29.99	13	8	9	0	0		
SASAN	3960	11.25	445.50	66.08	311.08	68.34	0	0		
DVC(CTPS7 &8)			300.00	131.00	82.00	83.76				
DVC(Mejia6)			100.00	44	25	31	0	0		
TOTAL	4980		875.49	254	426	192	0	0	0	0
<u>Allocation from Long term Bilateral</u>										
CLP Jhajar(Th)	1320		124.00			124				
Mejia-7(Th)	500		119.00		119					
Methan(Th)	1050		281.25			281				
Surya Kanta(Hyd)			14.00			14				
Nanti Hydro			11.45			11				
Tutikoren(LT-61)			50.00	50						
SECI			60.00	20	20	20				
RUMS - DMRC			99.00	47.5	26.3	25.2				
Sun Edision (From 18.11.2019)			90.00			90				
Teranda (HYD)(From 08.1.2020)			12.65			12.65				
BRBCL (From 15.01.2020)			5.00							5
JIPTL			9.46							9.46
TOTAL	2870		875.81	117	166	579	0	0	0	14.46
Total in MW	33445		7540	3078	1700	2371	326	45	1	14.46

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

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

Name of the Stn	Installed capacity in MW	Capacity Allocation to Delhi In%	Capacity Allocation to Delhi in MW	DISCOMWISE CAPACITY ALLOCATION IN PERCENTAGE (%AGE)						
				BRPL	BYPL	TPDDL	NDMC	MES	RPH	NR
Nathpa Jhakri HEP	1500	9	142.05	43.92	25.40	30.68	0.00	0.00		
Tehri Hydro	1000	6.30	63.00	69.32	0.00	30.68	0.00	0.00		
Koteshwar HEP	400	9.86	39.44	69.32	0.00	30.68	0.00	0.00		
Total THDC	1400		102.44	69.32	0.00	30.68	0.00	0.00		
Singrauli Hyd	8	19.13	1.53	0.00	0.00	100.00	0.00	0.00		
<u>NPC (NUCLEAR)</u>										
Narora APS	440	10.68	46.99	69.32	0.00	30.68	0.00	0.00		
RAPP (C)	440	12.69	55.84	43.92	25.40	30.68	0.00	0.00		
TOTAL NPC	880		102.828	55.53	13.79	30.68	0.00	0.00	0.00	0.00
Allocation from ER										
Tala HEP	1020	2.94	29.99	43.92	25.40	30.68	0.00	0.00		
SASAN	3960	11.25	445.50	14.83	69.83	15.34	0.00	0.00		
DVC(CTPS7 &8)			300.00	44.14	27.63	28.22				
DVC(Mejia6)			100.00	43.92	25.40	30.68	0.00	0.00		
TOTAL	4980		875.488	29.03	48.67	21.93	0.00	0.00	0.00	0.00
Allocation from Long term Bilateral										
CLP Jhajjar(Th)	1320		124.00			100.00				
Mejia-7(Th)	500		119.00		100.00					
Methan(Th)	1050		281.25			100.00				
Surya Kanta(Hyd)			14.00			100.00				
Nanti Hydro			11.45			100.00				
Tutikoren			50.00	100.00						
SECI			60.00	32.93	33.78	33.29				
RUMS - DMRC			99.00	47.98	26.57	25.45				
Sun Edision (From 18.11.2019)			90.00			100.00				
Teranda (HYD) (From 08.1.2020)			12.65			100.00				
BRBCL (From 15.01.2020)			5.00							100
JIPTL			9.46							100
TOTAL	2870		875.81	13.39	18.90	66.06	0.00	0.00	0.00	200.0
Total	33445		7540	40.83	22.55	31.45	4.33	0.60	0.01	0.19

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POWER AVAILABILITY-DEMAND POSITION AT THE TIME OF PEAK DEMAND MET DURING AUGUST 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	EDW PCL	DMS WL	Total						
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9) = (3) to (8)	(10)	(11)	(12) = (11) - (10)	(13) = (11) + (12)	(14)	(15) = (13) + (14)
1	00.00.28	73	301	312	19	-1	17	721	4333	4451	-118	5054	0	5054
2	23.28.53	64	262	307	19	-1	8	659	4835	4809	26	5494	0	5494
3	00.01.34	64	259	307	19	0	8	657	4762	4564	198	5419	0	5419
4	23.00.42	63	264	305	18	0	8	658	5058	5189	-131	5716	0	5716
5	00.00.14	65	284	304	18	-1	8	678	4927	4833	94	5605	0	5605
6	23.19.19	65	268	303	14	4	9	663	4869	4768	101	5532	0	5532
7	23.02.58	65	302	311	12	-1	18	707	4895	5019	-124	5602	0	5602
8	22.58.27	77	297	306	13	-1	18	710	5027	5212	-185	5737	0	5737
9	00.00.03	76	301	310	13	0	19	719	4891	4909	-18	5610	0	5610
10	15.19.35	77	274	299	12	6	8	676	4787	4711	76	5463	0	5463
11	23.00.00	78	303	304	17	5	16	723	4736	4949	-213	5459	0	5459
12	15.37.36	77	264	302	18	2	17	680	4658	4419	239	5338	0	5338
13	00.43.32	77	152	260	19	2	15	525	4508	4383	125	5033	0	5033
14	23.12.48	76	144	250	19	0	19	508	4167	4240	-73	4675	0	4675
15	23.24.08	77	145	311	19	0	19	571	4191	4299	-108	4762	0	4762
16	23.04.21	77	145	311	19	0	17	569	4640	4746	-106	5209	0	5209
17	14.39.35	77	142	300	19	0	19	557	4680	4912	-232	5237	0	5237
18	14.29.35	77	141	304	17	0	16	555	4686	4826	-140	5241	0	5241
19	00.01.10	77	146	265	19	0	19	526	4306	4262	44	4832	0	4832
20	15.25.57	76	138	251	18	0	19	502	3615	3710	-95	4117	0	4117
21	16.02.52	76	142	302	17	0	18	555	3818	3757	61	4373	0	4373
22	23.28.58	76	142	311	18	0	18	565	3907	3944	-37	4472	0	4472
23	23.25.20	76	142	265	19	0	7	509	3953	3943	10	4462	0	4462
24	23.21.08	76	142	313	18	0	6	555	3947	4041	-94	4502	0	4502
25	23.15.47	59	144	313	18	0	17	551	4090	4100	-10	4641	0	4641
26	23.03.51	60	143	313	18	0	18	552	4324	4353	-29	4876	0	4876
27	23.17.55	93	142	311	18	0	19	583	4600	4661	-61	5183	0	5183
28	00.00.08	69	142	311	19	0	17	558	4535	4386	149	5093	0	5093
29	23.00.30	78	141	309	19	0	18	565	4357	4318	39	4922	0	4922
30	00.01.27	78	141	310	18	0	18	565	4234	4261	-27	4799	0	4799
31	23.05.22	78	144	276	18	0	18	534	3908	4003	-95	4442	0	4442

POWER AVAILABILITY- DEMAND POSITION AT THE TIME OF MAXIMUM UNRESTRICTED DEMAND DURING AUGUST 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	EDW PCL	DMS WL	Total						
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9) = (3) to (8)	(10)	(11)	(12) = (11) - (10)	(13) = (11) + (12)	(14)	(15) = (13) + (14)
1	00.00.28	73	301	312	19	-1	17	721	4333	4451	-118	5054	0	5054
2	23.28.53	64	262	307	19	-1	8	659	4835	4809	26	5494	0	5494
3	00.01.34	64	259	307	19	0	8	657	4762	4564	198	5419	0	5419
4	23.00.42	63	264	305	18	0	8	658	5058	5189	-131	5716	0	5716
5	00.00.14	65	284	304	18	-1	8	678	4927	4833	94	5605	0	5605
6	23.19.19	65	268	303	14	4	9	663	4869	4768	101	5532	0	5532
7	23.02.58	65	302	311	12	-1	18	707	4895	5019	-124	5602	0	5602
8	22.58.27	77	297	306	13	-1	18	710	5027	5212	-185	5737	0	5737
9	00.00.03	76	301	310	13	0	19	719	4891	4909	-18	5610	0	5610
10	15.19.35	77	274	299	12	6	8	676	4787	4711	76	5463	0	5463
11	23.00.00	78	303	304	17	5	16	723	4736	4949	-213	5459	0	5459
12	15.37.36	77	264	302	18	2	17	680	4658	4419	239	5338	0	5338
13	00.43.32	77	152	260	19	2	15	525	4508	4383	125	5033	0	5033
14	23.12.48	76	144	250	19	0	19	508	4167	4240	-73	4675	0	4675
15	23.24.08	77	145	311	19	0	19	571	4191	4299	-108	4762	0	4762
16	23.04.21	77	145	311	19	0	17	569	4640	4746	-106	5209	0	5209
17	14.39.35	77	142	300	19	0	19	557	4680	4912	-232	5237	0	5237
18	14.29.35	77	141	304	17	0	16	555	4686	4826	-140	5241	0	5241
19	00.01.10	77	146	265	19	0	19	526	4306	4262	44	4832	0	4832
20	15.25.57	76	138	251	18	0	19	502	3615	3710	-95	4117	0	4117
21	16.02.52	76	142	302	17	0	18	555	3818	3757	61	4373	0	4373
22	23.28.58	76	142	311	18	0	18	565	3907	3944	-37	4472	0	4472
23	23.25.20	76	142	265	19	0	7	509	3953	3943	10	4462	0	4462
24	23.21.08	76	142	313	18	0	6	555	3947	4041	-94	4502	0	4502
25	23.15.47	59	144	313	18	0	17	551	4090	4100	-10	4641	0	4641
26	23.03.51	60	143	313	18	0	18	552	4324	4353	-29	4876	0	4876
27	23.17.55	93	142	311	18	0	19	583	4600	4661	-61	5183	0	5183
28	00.00.08	69	142	311	19	0	17	558	4535	4386	149	5093	0	5093
29	23.00.30	78	141	309	19	0	18	565	4357	4318	39	4922	0	4922
30	00.01.27	78	141	310	18	0	18	565	4234	4261	-27	4799	0	4799
31	23.05.22	78	144	276	18	0	18	534	3908	4003	-95	4442	0	4442

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

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

A (i) RPH	0.00
(ii) GT+STG	56.984
(iii) PRAGATI	149.015
(iv) RITHALA	0.000
(v) BAWANA CCGT	208.823
(vi) Timarpur – Okhla	14.664
EDWPCL	1.120
DMSWL	13.871
TOTAL	444.477
B) AVAILABILITY FROM BTPS	-0.200
C) AUXILIARY CONSUMPTION OF GENERATING STNs. EXCLUDING BTPS	18.260
D) NET GENERATION AVAILABLE WITHIN DELHI(A+B-C)	426.017

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	3.072	2.994	3.072	2.994
SALAL	55.983	54.824	55.983	54.823
SASAN	296.617	288.392	295.816	287.613
TANKAPUR	6.578	6.426	6.578	6.426
CHAMERA	29.883	29.190	29.883	29.190
CHAMERA -II	9.502	9.284	9.502	9.284
CHAMERA -III	19.744	19.286	19.744	19.286
DHAULIGANGA	26.200	25.593	26.200	25.593
SEWA -2	6.506	6.372	6.506	6.372
URI	27.157	26.600	27.157	26.600
URI-II	20.001	19.634	20.001	19.634
KOLDAM	0.000	0.000	0.000	0.000
KOTESHWAR	11.213	10.977	11.213	10.977
PARBATI3	17.725	17.313	17.725	17.313
RAMPUR	0.000	0.000	0.000	0.000
ANTA (CRF)	0.000	0.000	0.000	0.000
ANTA (GAS)	12.959	12.652	10.501	10.253
ANTA (RLNG)	14.848	14.497	3.055	2.983
ANTA (LIQUID)	3.560	3.476	0.011	0.011
DADRI (CRF)	3.143	3.094	1.659	1.633
DADRI (GAS)	10.122	9.961	9.013	8.869
DADRI (RLNG)	16.214	15.956	3.377	3.323
DADRI (LIQUID)	24.974	24.575	0.000	0.000
AURAIYA (CRF)	0.000	0.000	0.000	0.000
AURAIYA (GAS)	0.000	0.000	0.000	0.000
AURAIYA (RLNG)	25.090	24.446	3.312	3.226
AURAIYA (LIQUID)	21.745	21.188	0.000	0.000
SINGRAULI	81.999	79.288	78.569	75.972
SINGRAULI_HYDRO	0.387	0.374	0.387	0.374
RIHAND -I	63.825	61.717	58.576	56.641
RIHAND -II	87.602	84.706	83.682	80.914
RIHAND -III	91.786	89.242	88.979	86.513
UNCHAHAR-I	16.237	15.855	11.858	11.579
UNCHAHAR-II	31.820	31.072	23.108	22.565
UNCHAHAR-III	19.635	19.173	14.548	14.206
UNCHAHAR-IV	0.000	0.000	0.000	0.000
DADRI (TH)	513.454	505.274	82.859	81.505
DADRI (TH) STAGE-II	472.452	464.936	157.477	154.954
BRBCL (NABIPUR-BIHAR)	2.635	2.589	2.154	2.116

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
TALCHER FOR AUX. OF BTPS	1.271	1.240	0.829	0.809
NAPP	28.939	28.254	28.939	28.254
RAPP 'B'	0.000	0.000	0.000	0.000
RAPP 'C'	24.241	23.549	24.241	23.549
NATHPA JHAKRI	109.933	107.368	109.933	107.368
DULASTI	35.693	34.954	35.693	34.954
TEHRI	19.515	19.103	19.515	19.103
JHAJJAR	477.627	470.026	0.103	0.102
KHELGAON	20.124	19.772	16.735	16.442
KHELGAON-II	45.523	44.729	38.895	38.215
FARAKA	14.913	14.615	10.865	10.648
TALA	22.953	22.388	22.953	22.388
DVC	254.151	252.642	252.642	251.551
TUTICORIN - BRPL	20.895	20.636	20.636	20.544
MADHYA PRADESH	0.481	0.476	0.476	0.475
GUJRAT	0.020	0.020	0.020	0.020
KARNATAKA	32.849	32.329	32.329	32.190
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	0.000	0.000	0.000	0.000
KWHEP (HP)	0.000	0.000	0.000	0.000
SAINJ (HP)	12.888	12.705	12.705	12.650
BGTPP (ASSAM)	0.106	0.105	0.105	0.105
BIHAR	0.000	0.000	0.000	0.000
DBPL (CHATTISHGARH)	0.414	0.409	0.409	0.407
MANIPUR	1.230	1.227	1.227	1.222
BALCO (Chattishgarh)	0.000	0.000	0.000	0.000
FSTPP-III (WEST BENGAL)	0.000	0.000	0.000	0.000
SIKKIM	3.885	3.844	3.844	3.827
TAMILNAIDU	98.206	96.930	96.930	96.511
SEIL PROJECT-II(ANDHRA PRADESH)	0.000	0.000	0.000	0.000
MEGHALAYA	11.297	11.237	11.237	11.188
ANDHRA	0.348	0.345	0.345	0.343
DGEN (GUJRAT)	0.000	0.000	0.000	0.000
ESSAR_MAHAN (MP)	18.626	18.463	18.463	18.383
METHON POWER(NDPL)LT-06	190.201	189.072	189.072	188.255
DVC MEJIA (LT-08)(BYPL)	69.183	68.773	68.773	68.476
Acme_RUMS	1.098	1.092	1.092	1.087
Arinsun_RUMS	1.131	1.124	1.124	1.119
Mahindra_RUMS	1.124	1.117	1.117	1.112
URS	0.000	0.000	0.000	0.000
JAMMU & KASHMIR	12.018	11.908	11.908	11.857
HIMACHAL PRADESH	251.385	247.826	247.826	246.760
JHABUA (MP)	0.000	0.000	0.000	0.000
GOA	2.780	2.769	2.769	2.757
KERALA	108.930	107.498	107.498	107.033
ARUNACHAL PRADESH	0.000	0.000	0.000	0.000
HIMACHAL PRADESH LT-59 DVC	7.879	7.767	7.767	7.734
HARYANA (LT-05)	2.114	2.099	2.099	2.089
MP(SOLAR RUMS)	10.453	10.391	10.391	10.346
HP TPDDL (NANTI)	7.819	7.708	7.708	7.675
ALFANAR WIND(BRPL) GUJRAT	21.526	21.388	21.388	21.296
ALFANAR WIND(BYPL) (GUJRAT)	7.175	7.129	7.129	7.099
KSMPL BHADLA(RAJASTHAN)	9.037	8.927	8.927	8.888
ALFANAR WIND(TPDDL)(GUJRAT)	7.172	7.125	7.125	7.095
ADHPL (HP)	20.974	20.676	20.676	20.586
ODHISHA	0.000	0.000	0.000	0.000
ORISSA MT-20 JITPL -DVC	5.479	5.432	5.432	5.409
GMRKEL (GUJRAT)	0.000	0.000	0.000	0.000
MIZORAM	0.000	0.000	0.000	0.000
RAJASTHAN(SOLAR) BRPL-LT36	3.532	3.490	3.490	3.474
RAJASTHAN(SOLAR) BYPL - LT-35	3.437	3.396	3.396	3.381

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	3.338	3.298	3.298	3.283
HP TARANDA (RAILWAYS)	8.383	8.264	8.264	8.229
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 TAMILNADU	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)	197.639	196.780	197.639	196.780
TO POWER EXCHANGE (IEX)	-24.893	-25.184	-24.893	-25.184
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)	-19.126	-19.351	-19.126	-19.351
TO SHARE PROJECT (PUNJAB)	-20.441	-20.681	-20.441	-20.681
REAL TIME MANAGEMENT (RTM)	53.100	52.872	53.100	52.872
TO REAL TIME MANAGEMENT (RTM)	-17.795	-18.003	-17.795	-18.003
TOTAL	4225.453	4153.024	2839.328	2796.461

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	1514.486	1484.069	633.124	617.638
NTPC - ER	80.560	79.117	66.495	65.305
NHPC	258.044	252.469	258.044	252.467
NPC	53.181	51.804	53.181	51.804
SASAN	296.617	288.392	295.816	287.613
KOTESHWAR	11.213	10.977	11.213	10.977
NATHPA JHAKRI	109.933	107.368	109.933	107.368
TALCHER FOR AUX. OF BTPS	1.271	1.240	0.829	0.809
TEHRI	19.515	19.103	19.515	19.103
TALA	22.953	22.388	22.953	22.388
JHAJJAR	477.627	470.026	0.103	0.102
RAJASTHAN SOLAR(BRPL)T-36	3.532	3.490	3.490	3.474
RAJASTHAN SOLAR(BYPL)T-35	3.437	3.396	3.396	3.381
RAJASTHAN SOLAR(TPDDL)T-31	3.338	3.298	3.298	3.283
DVC	254.151	252.642	252.642	251.551
TUTICORIN BRPL	20.895	20.636	20.636	20.544
MADHYA PRADESH	0.481	0.476	0.476	0.475
GUJRAT	0.020	0.020	0.020	0.020
KARNATAKA	32.849	32.329	32.329	32.190
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	0.000	0.000	0.000	0.000
KWHEP (HP)	0.000	0.000	0.000	0.000
SAINJ (HP)	12.888	12.705	12.705	12.650
BGTPP (ASSAM)	0.106	0.105	0.105	0.105
BIHAR	0.000	0.000	0.000	0.000
DBPL (CHATTISHGARH)	0.414	0.409	0.409	0.407
MANIPUR	1.230	1.227	1.227	1.222
BALCO (Chattishgarh)	0.000	0.000	0.000	0.000
FSTPP -III (WEST BENGAL)	0.000	0.000	0.000	0.000
SIKKIM	3.885	3.844	3.844	3.827

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
TAMILNAIDU	98.206	96.930	96.930	96.511
SEIL PROJECT-II(ANDHRA PRADESH)	0.000	0.000	0.000	0.000
MEGHALAYA	11.297	11.237	11.237	11.188
ANDHRA	0.348	0.345	0.345	0.343
DGEN (GUJRAT)	0.000	0.000	0.000	0.000
ESSAR MAHAN (MP)	18.626	18.463	18.463	18.383
METHON POWER (NDPL)-LT-06	190.201	189.072	189.072	188.255
DVC MEJIA (LT-08)(BYPL)	69.183	68.773	68.773	68.476
Acme_RUMS	1.098	1.092	1.092	1.087
Arinsun_RUMS	1.131	1.124	1.124	1.119
Mahindra_RUMS	1.124	1.117	1.117	1.112
URS	0.000	0.000	0.000	0.000
JAMMU & KASHMIR	12.018	11.908	11.908	11.857
HIMACHAL PRADESH	251.385	247.826	247.826	246.760
JHABUA (MP)	0.000	0.000	0.000	0.000
GOA	2.780	2.769	2.769	2.757
KERALA	108.930	107.498	107.498	107.033
ARUNACHAL PRADESH	0.000	0.000	0.000	0.000
HP LT-59 DVC(SURYA KANTA)	7.879	7.767	7.767	7.734
HARYANA (LT -05)	2.114	2.099	2.099	2.089
ADHPL (HP)	20.974	20.676	20.676	20.586
ODISHA	0.000	0.000	0.000	0.000
ORISSA MT-20 JITPL -DVC	5.479	5.432	5.432	5.409
GMRKEL (GUJRAT)	0.000	0.000	0.000	0.000
MIZORAM	0.000	0.000	0.000	0.000
MP(SOLAR RUMS)	10.453	10.391	10.391	10.346
HP TPDDL (NANTI)	7.819	7.708	7.708	7.675
HP TRANDA (RAILWAYS)	8.383	8.264	8.264	8.229
ALFANAR WIND(BRPL)	21.526	21.388	21.388	21.296
ALFANAR WIND(BYPL)	7.175	7.129	7.129	7.099
KSMPPL BHADLA	9.037	8.927	8.927	8.888
ALFANAR WIND(TPDDL)	7.172	7.125	7.125	7.095
POWER EXCHANGE(IEX)	197.639	196.780	197.639	196.780
POWER EXCHANGE(PX)	0.000	0.000	0.000	0.000
REAL TIME MANAGEMENT (RTM)	53.100	52.872	53.100	52.872
TOTAL	4307.707	4236.242	2921.582	2879.680

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 ORISSA	0.000	0.000	0.000	0.000
TO TAMILNADU	0.000	0.000	0.000	0.000
TO GOA	0.000	0.000	0.000	0.000
TO CHHATTISGARH	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)	-24.893	-25.184	-24.893	-25.184
TO POWER EXCHANGE (PX)	0.000	0.000	0.000	0.000
TO SHARE PROJECT (HARYANA)	-19.126	-19.351	-19.126	-19.351
TO SHARE PROJECT (PUNJAB)	-20.441	-20.681	-20.441	-20.681
TO REAL TIME MANAGEMENT (RTM)	-17.795	-18.003	-17.795	-18.003
TOTAL	-82.254	-83.218	-82.254	-83.218
TOTAL SCHEDULED DRAWAL FROM THE GRID	4225.453	4153.024	2839.328	2796.461
TOTAL CONSUMPTION INCLUDING AUX. OF GENERATING STNs				3184.206
NET CONSUMPTION				3165.946
AVAILABILITY WITHIN DELHI				426.017
ACTUAL DRAWAL FROM THE GRID				2739.929
OVER DRAWAL(+)/UNDER DRAWAL(-) FROM THE GRID ON THE BASIS OF SCHEDULED ALLOCATION MADE BY NRLDC TO DELHI AT PERIPHERY				-56.532
LOAD SHEDDING				0.553
UNRESTRICTED DEMAND (GROSS)				3184.759
UNRESTRICTED DEMAND (NET)				3166.499
MAX. NET CONSUMPTION				114.669 On 05.08.2020
MAX. LOAD SHEDDING				138 MW ON 27.08.2020 AT 14.28 HRS.
PEAK LOAD	Peak Demand during the month			SHEDDING AT PEAK TIME
DAY PEAK	5610 MW AT 00.00.03 HRS ON 09.08.2020			NIL.
EVENING PEAK	5737 MW AT 22.58.2020 HRS ON 08.08.2020			NIL

8 SHEDDING DETAILS DURING THE MONTH OF AUGUST 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
01-08-20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
02-08-20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
03-08-20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
04-08-20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
05-08-20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
06-08-20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
07-08-20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
08-08-20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
09-08-20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10-08-20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11-08-20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12-08-20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
13-08-20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14-08-20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15-08-20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
16-08-20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17-08-20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
18-08-20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
19-08-20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20-08-20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
21-08-20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22-08-20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
23-08-20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
24-08-20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25-08-20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
26-08-20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27-08-20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
28-08-20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
29-08-20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30-08-20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
31-08-20	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 DEVIATION			Shedding due to Transmission/Grid Constraints in Central sector stations				Total 24=8 to 23	Total shedding due to grid restrictions 25=7+24
	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		
01-08-20	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
02-08-20	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
03-08-20	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
04-08-20	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
05-08-20	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
06-08-20	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
07-08-20	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
08-08-20	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
09-08-20	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
10-08-20	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
11-08-20	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
12-08-20	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
13-08-20	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
14-08-20	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
15-08-20	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
16-08-20	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
17-08-20	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
18-08-20	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
19-08-20	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
20-08-20	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
21-08-20	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
22-08-20	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
23-08-20	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
24-08-20	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
25-08-20	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
26-08-20	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
27-08-20	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
28-08-20	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
29-08-20	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
30-08-20	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
31-08-20	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 MU_s

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
01-08-20	0.000	0.000	0.000	0.000	0.000	0.002	0.011	0.000	0.000
02-08-20	0.000	0.000	0.000	0.000	0.000	0.001	0.000	0.000	0.000
03-08-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
04-08-20	0.000	0.000	0.003	0.000	0.000	0.000	0.000	0.005	0.000
05-08-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0003	0.000
06-08-20	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.0001	0.000
07-08-20	0.000	0.000	0.000	0.000	0.000	0.000	0.008	0.001	0.000
08-08-20	0.000	0.007	0.000	0.000	0.000	0.000	0.000	0.000	0.000
09-08-20	0.003	0.000	0.000	0.000	0.000	0.006	0.010	0.0001	0.000
10-08-20	0.000	0.006	0.000	0.000	0.000	0.000	0.004	0.003	0.000
11-08-20	0.000	0.005	0.006	0.000	0.000	0.000	0.028	0.001	0.000
12-08-20	0.000	0.022	0.000	0.000	0.000	0.000	0.000	0.005	0.000
13-08-20	0.000	0.008	0.000	0.000	0.000	0.000	0.005	0.000	0.000
14-08-20	0.002	0.016	0.000	0.000	0.000	0.000	0.011	0.000	0.000
15-08-20	0.001	0.000	0.007	0.000	0.000	0.000	0.047	0.005	0.000
16-08-20	0.003	0.000	0.001	0.000	0.000	0.000	0.018	0.001	0.000
17-08-20	0.001	0.000	0.007	0.000	0.000	0.000	0.023	0.021	0.000
18-08-20	0.000	0.000	0.000	0.000	0.000	0.009	0.008	0.001	0.000
19-08-20	0.001	0.004	0.000	0.000	0.000	0.000	0.009	0.001	0.000
20-08-20	0.009	0.000	0.002	0.000	0.000	0.000	0.009	0.005	0.000
21-08-20	0.003	0.000	0.003	0.000	0.000	0.003	0.012	0.001	0.000
22-08-20	0.007	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
23-08-20	0.001	0.000	0.003	0.000	0.000	0.000	0.000	0.0002	0.000
24-08-20	0.002	0.000	0.000	0.004	0.000	0.000	0.002	0.000	0.000
25-08-20	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.0004	0.000
26-08-20	0.000	0.000	0.000	0.000	0.000	0.000	0.011	0.0002	0.000
27-08-20	0.003	0.006	0.000	0.000	0.000	0.000	0.014	0.0001	0.000
28-08-20	0.000	0.000	0.002	0.000	0.000	0.000	0.011	0.000	0.000
29-08-20	0.000	0.000	0.000	0.000	0.000	0.002	0.004	0.000	0.000
30-08-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
31-08-20	0.002	0.000	0.001	0.000	0.000	0.000	0.077	0.000	0.000
TOTAL	0.038	0.074	0.035	0.004	0.000	0.023	0.327	0.051	0.000

ALL FIGURES IN MUs

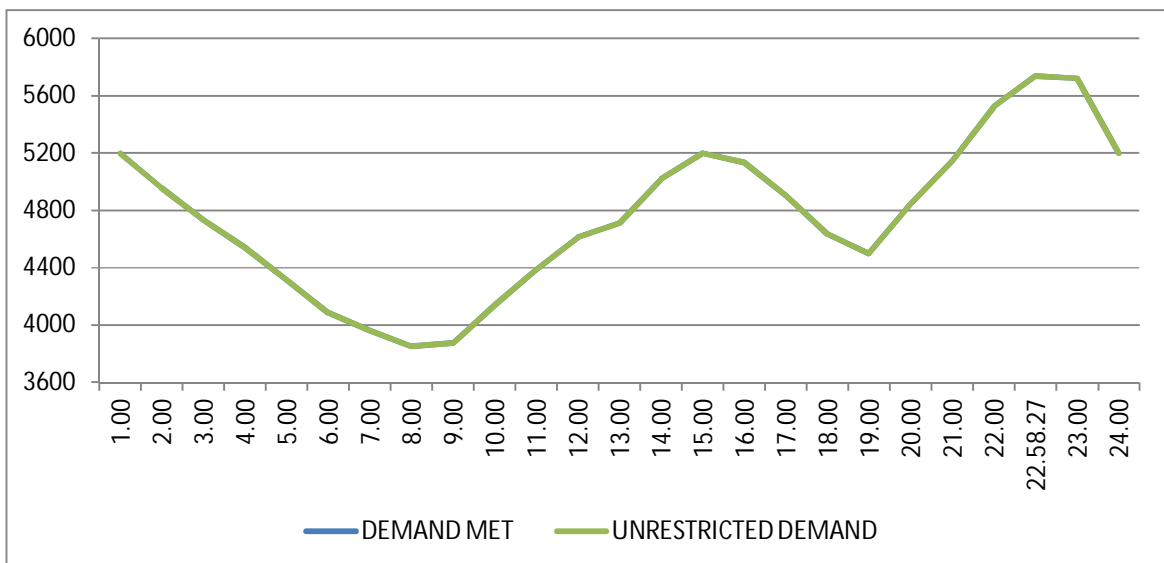
DATE	OTHER AGENCIES LIKE GENCO, BBMB, BTPS ETC.				THEFT PRONE SHEDDING			TOTAL SHEDDING DUE TO T&D CONSTS. & THEFT PRONE	GRAND TOTAL
	BSES		TPDDL	NDMC	BSES		TPDDL		
	BYPL	BRPL			BYPL	BRPL			
1	35	36	37	38	39	40	41	42 = 26 to 41	43 = 25 + 42
01-08-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.013	0.013
02-08-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001
03-08-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
04-08-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.008	0.008
05-08-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0003	0.000
06-08-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.004
07-08-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.009	0.009
08-08-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.007	0.007
09-08-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.019	0.019
10-08-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.013	0.013
11-08-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.040	0.040
12-08-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.027	0.027
13-08-20	0.000	0.001	0.001	0.000	0.000	0.000	0.000	0.015	0.015
14-08-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.029	0.029
15-08-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.060	0.060
16-08-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.023	0.023
17-08-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.052	0.052
18-08-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.018	0.018
19-08-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.015	0.015
20-08-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.025	0.025
21-08-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.022	0.022
22-08-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.007	0.007
23-08-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.004
24-08-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.008	0.008
25-08-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001
26-08-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.011	0.011
27-08-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.023	0.023
28-08-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.013	0.013
29-08-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.006	0.006
30-08-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
31-08-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.080	0.080
TOTAL	0.000	0.001	0.001	0.000	0.000	0.000	0.000	0.553	0.553

DATE	(NET CONS.)	MAXI. DEMAND MET DURING THE DAY	TIME OF OCCURRENCE OF MAX DEMAND	SHEDDING AT THIS TIME	UN-RESTRICTED DEMAND	MAXIMUM UN-RESTRICTED DEMAND DURING THE DAY	TIME OF MAX. UN-REST. DEMAND	DEMAND AT THAT TIME	SHEDDING AT THAT TIME
	In Mus.	IN MW	IN HRS.	IN MW	IN MW	IN MW	HRS.	IN MW	IN MW
1	32	33	34	35	36=33+35	37=39+40	38	39	40
01-08-20	99.801	5054	00:00:28	0	5054	5054	00:00:28	5054	0
02-08-20	102.060	5494	23:28:53	0	5494	5494	23:28:53	5494	0
03-08-20	106.244	5419	00:01:34	0	5419	5419	00:01:34	5419	0
04-08-20	114.209	5716	23:00:42	0	5716	5716	23:00:42	5716	0
05-08-20	114.669	5605	00:00:14	0	5605	5605	00:00:14	5605	0
06-08-20	111.533	5532	23:19:19	0	5532	5532	23:19:19	5532	0
07-08-20	114.210	5602	23:02:58	0	5602	5602	23:02:58	5602	0
08-08-20	113.251	5737	22:58:27	0	5737	5737	22:58:27	5737	0
09-08-20	108.474	5610	00:00:03	0	5610	5610	00:00:03	5610	0
10-08-20	112.008	5463	15:19:35	0	5463	5463	15:19:35	5463	0
11-08-20	113.932	5459	23:00	0	5459	5459	23:00	5459	0
12-08-20	111.370	5338	15:37:36	0	5338	5338	15:37:36	5338	0
13-08-20	98.658	5033	00:43:32	0	5033	5033	00:43:32	5033	0
14-08-20	98.128	4675	23:12:48	0	4675	4675	23:12:48	4675	0
15-08-20	88.578	4762	23:24:08	0	4762	4762	23:24:08	4762	0
16-08-20	99.721	5209	23:04:21	0	5209	5209	23:04:21	5209	0
17-08-20	109.269	5237	14:39:35	0	5237	5237	14:39:35	5237	0
18-08-20	109.198	5241	14:29:35	0	5241	5241	14:29:35	5241	0
19-08-20	95.755	4832	00:01:10	0	4832	4832	00:01:10	4832	0
20-08-20	88.471	4117	15:25:57	0	4117	4117	15:25:57	4117	0
21-08-20	90.395	4373	16:02:52	0	4373	4373	16:02:52	4373	0
22-08-20	91.577	4472	23:28:58	0	4472	4472	23:28:58	4472	0
23-08-20	91.169	4462	23:25:20	0	4462	4462	23:25:20	4462	0
24-08-20	94.929	4502	23:21:08	0	4502	4502	23:21:08	4502	0
25-08-20	98.102	4641	23:15:47	0	4641	4641	23:15:47	4641	0
26-08-20	100.743	4876	23:03:51	0	4876	4876	23:03:51	4876	0
27-08-20	104.496	5183	23:17:55	0	5183	5183	23:17:55	5183	0
28-08-20	103.001	5093	00:00:08	0	5093	5093	00:00:08	5093	0
29-08-20	96.902	4922	23:00:30	0	4922	4922	23:00:30	4922	0
30-08-20	90.690	4799	00:01:27	0	4799	4799	00:01:27	4799	0
31-08-20	94.403	4442	23:05:22	0	4442	4442	23:05:22	4442	0
TOTAL	3165.946	5737 08.08.2020	22:58:27	0	5737 08.08.2020	5737	22:58:27	5737	0

9. **LOAD PATTERN OF DELHI ON THE DAY OF PEAK DEMAND MET DURING AUGUST 2020 ON 08.08.2020 - 5737 MW AT 22.58.27 HRS.**

All figures in MW

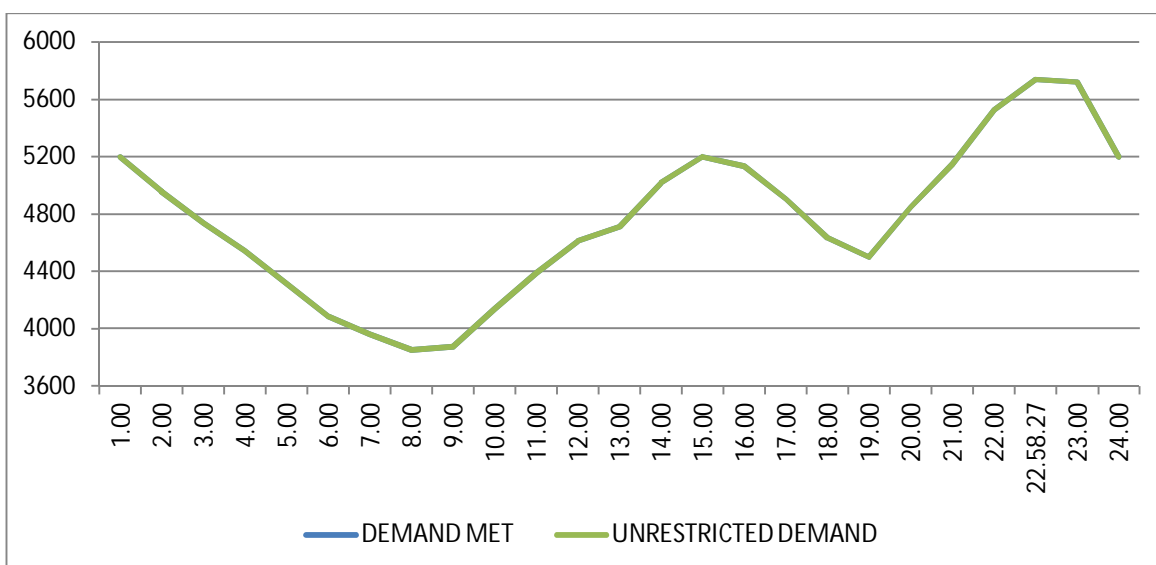
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	5198	0	5198
2.00	4956	0	4956
3.00	4734	0	4734
4.00	4544	0	4544
5.00	4316	0	4316
6.00	4086	0	4086
7.00	3961	0	3961
8.00	3851	0	3851
9.00	3874	0	3874
10.00	4140	0	4140
11.00	4386	0	4386
12.00	4611	0	4611
13.00	4713	0	4713
14.00	5017	0	5017
15.00	5201	0	5201
16.00	5135	0	5135
17.00	4905	0	4905
18.00	4632	0	4632
19.00	4498	0	4498
20.00	4847	0	4847
21.00	5149	0	5149
22.00	5523	0	5523
22.58.27	5737	0	5737
23.00	5721	0	5721
24.00	5198	0	5198
Total (IN MUS)	113.251	0.007	113.258



10 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UN-RESTRICTED DEMAND DURING AUGUST 2020 ON 08.08.2020 - 5737 MW AT 22.58.27 HRS.

All figures in MW

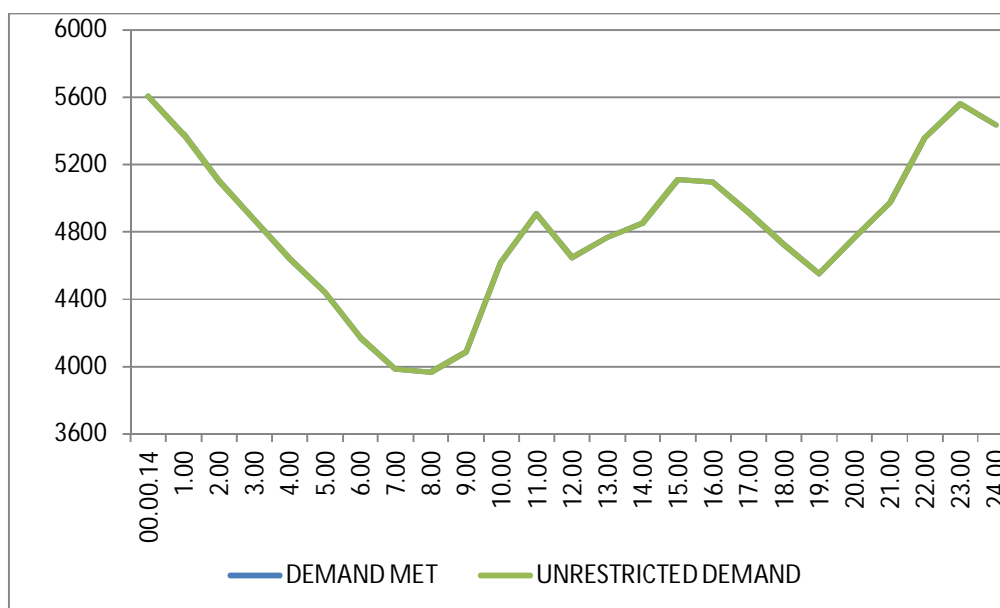
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	5198	0	5198
2.00	4956	0	4956
3.00	4734	0	4734
4.00	4544	0	4544
5.00	4316	0	4316
6.00	4086	0	4086
7.00	3961	0	3961
8.00	3851	0	3851
9.00	3874	0	3874
10.00	4140	0	4140
11.00	4386	0	4386
12.00	4611	0	4611
13.00	4713	0	4713
14.00	5017	0	5017
15.00	5201	0	5201
16.00	5135	0	5135
17.00	4905	0	4905
18.00	4632	0	4632
19.00	4498	0	4498
20.00	4847	0	4847
21.00	5149	0	5149
22.00	5523	0	5523
22.58.27	5737	0	5737
23.00	5721	0	5721
24.00	5198	0	5198
Total (IN MUS)	113.251	0.007	113.258



11 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM ENERGY CONSUMED DURING AUGUST 2020 – 05.08.2020 – 114.669 Mus

All figures in MW

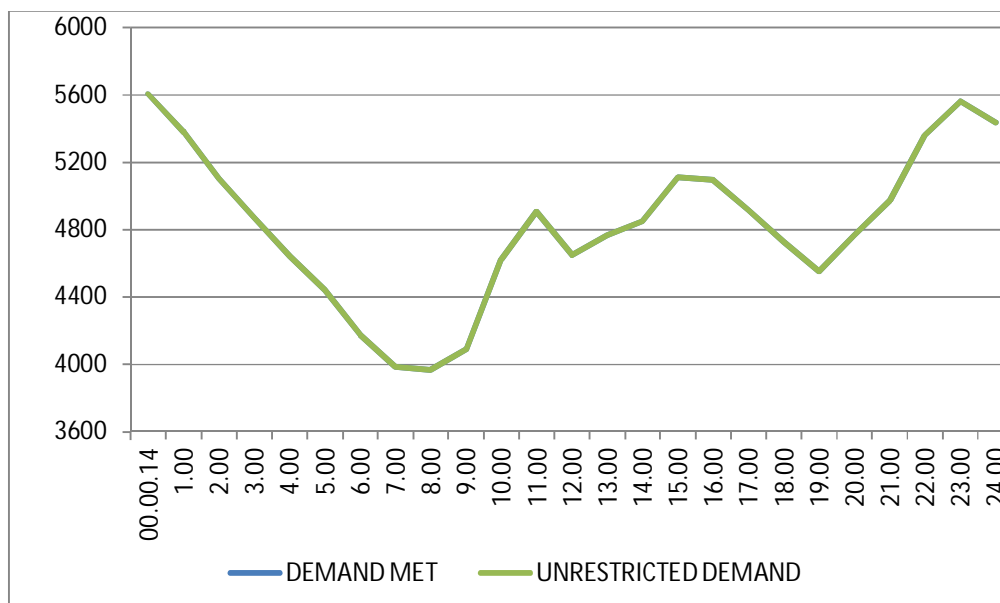
Hrs.	Demand	Load Shedding	Un-Restricted Demand
00.00.14	5605	0	5605
1.00	5380	0	5380
2.00	5102	0	5102
3.00	4869	0	4869
4.00	4642	0	4642
5.00	4439	0	4439
6.00	4174	0	4174
7.00	3985	0	3985
8.00	3965	0	3965
9.00	4089	0	4089
10.00	4622	0	4622
11.00	4907	0	4907
12.00	4648	0	4648
13.00	4765	0	4765
14.00	4852	0	4852
15.00	5110	0	5110
16.00	5096	0	5096
17.00	4916	0	4916
18.00	4726	0	4726
19.00	4550	0	4550
20.00	4767	0	4767
21.00	4974	0	4974
22.00	5358	0	5358
23.00	5562	0	5562
24.00	5435	0	5435
Total (IN MUS)	114.669	0.000	114.6693



12 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UNRESTRICTED ENERGY DEMAND DURING AUGUST 2020 – ON 05.08.2020 – 114.669 – MUs

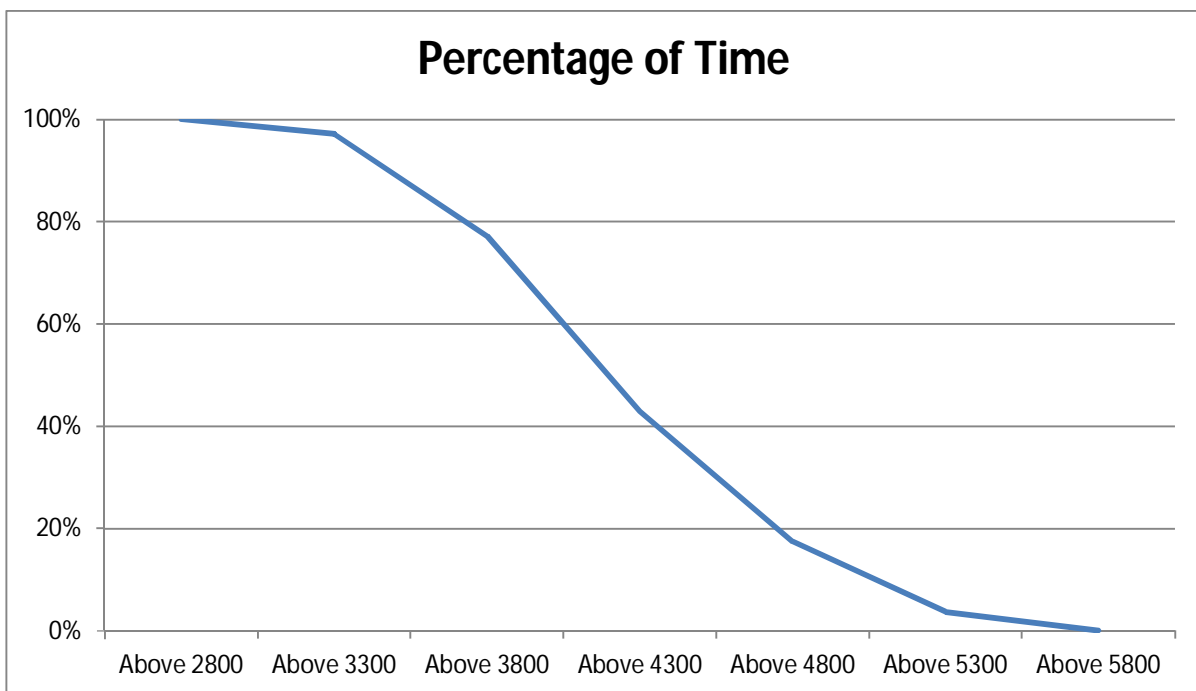
All figures in MW

Hrs.	Demand	Load Shedding	Un-Restricted Demand
00.00.14	5605	0	5605
1.00	5380	0	5380
2.00	5102	0	5102
3.00	4869	0	4869
4.00	4642	0	4642
5.00	4439	0	4439
6.00	4174	0	4174
7.00	3985	0	3985
8.00	3965	0	3965
9.00	4089	0	4089
10.00	4622	0	4622
11.00	4907	0	4907
12.00	4648	0	4648
13.00	4765	0	4765
14.00	4852	0	4852
15.00	5110	0	5110
16.00	5096	0	5096
17.00	4916	0	4916
18.00	4726	0	4726
19.00	4550	0	4550
20.00	4767	0	4767
21.00	4974	0	4974
22.00	5358	0	5358
23.00	5562	0	5562
24.00	5435	0	5435
Total (IN MUS)	114.669	0.000	114.6693



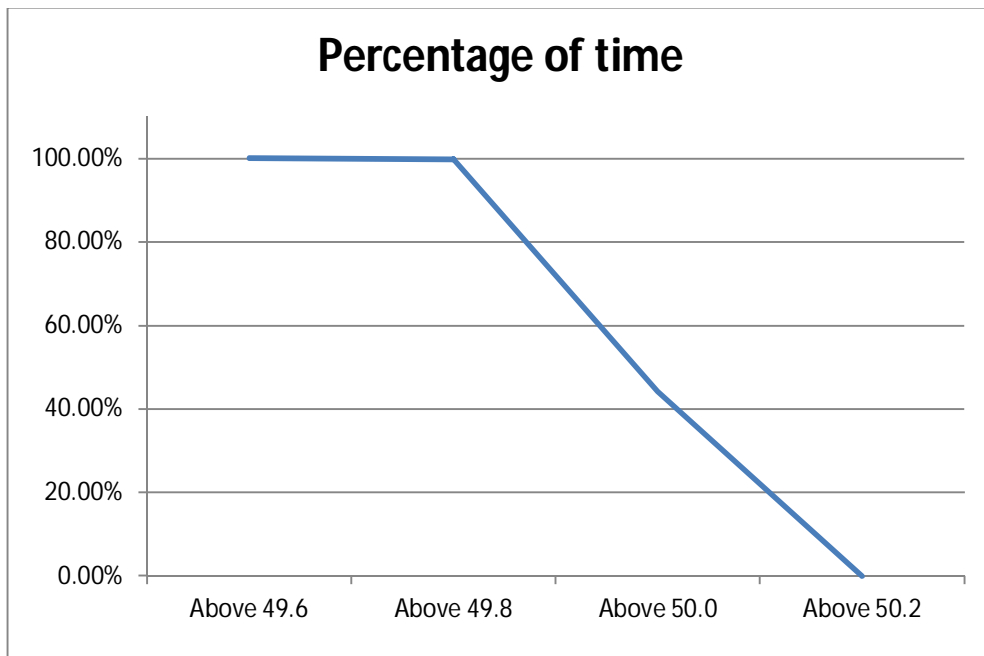
13 LOAD DURATION CURVE FOR AUGUST 2020

Load in MW	Percentage of Time
Above 2800	100%
Above 3300	97.18%
Above 3800	77.18%
Above 4300	42.98%
Above 4800	17.41%
Above 5300	3.73%
Above 5800	0.00%



14 FREQUENCY ANALYSIS FOR THE MONTH OF AUGUST 2020

FREQUENCY REMAINED ABOVE IN MW	(%) OF TIME
Above 49.6	100.00%
Above 49.8	99.76%
Above 50.0	44.18%
Above 50.2	0.00%



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

All figures in kV

Date	NARELA		GAZIPUR	
	Max	Min	Max	Min
01-08-20	226.98	215.63	233.82	127.55
02-08-20	227.63	214.6	235.62	222.08
03-08-20	227.24	214.34	234.59	107.81
04-08-20	226.72	212.67	235.11	217.82
05-08-20	224.92	212.15	232.78	219.89
06-08-20	225.56	213.18	233.43	220.4
07-08-20	224.27	211.38	232.4	218.34
08-08-20	224.4	210.86	232.01	215.24
09-08-20	226.08	213.95	234.07	221.56
10-08-20	225.69	213.83	233.3	220.15
11-08-20	227.24	213.18	234.07	218.6
12-08-20	227.24	212.67	234.59	219.63
13-08-20	228.66	217.82	247.92	0
14-08-20	228.79	215.63	249.81	235.62
15-08-20	228.66	213.95	256.34	237.93
16-08-20	227.63	213.7	255.57	239.45
17-08-20	226.85	213.44	255.3	233.81
18-08-20	227.63	214.99	253.98	236.08
19-08-20	228.53	218.21	252.07	236.03
20-08-20	229.43	219.11	250.84	236.45
21-08-20	231.49	215.76	251.14	0
22-08-20	228.79	214.34	0	0
23-08-20	228.53	216.28	0	0
24-08-20	228.01	213.7	242.16	0
25-08-20	227.24	214.08	248.46	0
26-08-20	226.98	214.34	0	0
27-08-20	227.37	211.5	0	0
28-08-20	226.72	214.99	0	0
29-08-20	227.88	214.73	0	0
30-08-20	228.53	217.95	0	0
31-08-20	226.85	216.02	0	0

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

All figures in kV

Date	400kV Bamnauli Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01-08-20	410.82	07:00:38	389.95	22:20:23	401.07
02-08-20	412.7	07:01:22	386.43	21:08:04	400.07
03-08-20	411.06	06:31:26	387.37	22:10:24	400.25
04-08-20	411.99	06:04:40	382.68	14:12:11	395.72
05-08-20	409.18	07:00:34	385.03	22:13:06	396.93
06-08-20	411.06	07:01:18	386.2	22:10:50	398.46
07-08-20	408.71	07:00:32	381.74	22:16:55	395.04
08-08-20	408.94	06:04:26	380.81	14:25:47	394.23
09-08-20	410.82	06:04:30	389.01	22:18:23	399.51
10-08-20	411.29	06:33:54	388.08	11:47:14	397.43
11-08-20	412.46	06:03:37	386.9	13:58:39	398.93
12-08-20	413.4	06:17:01	385.73	12:04:12	398.7
13-08-20	414.57	07:00:55	393.94	19:10:47	402.47
14-08-20	413.17	06:02:29	388.78	19:26:30	400.02
15-08-20	412.23	07:00:52	387.61	21:16:35	402.34
16-08-20	411.06	07:01:26	385.5	19:37:49	398.39
17-08-20	410.35	06:02:40	385.26	12:13:41	396.92
18-08-20	410.35	06:02:34	389.95	10:21:05	398.84
19-08-20	412.7	07:00:58	394.64	19:28:10	403.9
20-08-20	413.87	06:03:23	394.64	19:36:54	404.23
21-08-20	415.04	06:01:45	389.25	19:36:48	400.83
22-08-20	412.23	08:01:39	385.73	19:20:11	400.88
23-08-20	413.63	07:02:13	390.42	19:36:55	402.96
24-08-20	412.23	06:35:47	386.2	19:27:19	397.97
25-08-20	411.29	06:02:20	387.84	12:11:51	398.7
26-08-20	411.06	05:33:34	385.5	11:54:15	398.68
27-08-20	412.46	06:02:58	380.81	19:39:41	396.77
28-08-20	411.29	06:04:12	391.36	10:08:43	400.13
29-08-20	411.52	05:02:56	387.84	10:52:17	398.2
30-08-20	414.57	08:00:30	394.88	00:00:09	404.33
31-08-20	410.35	06:02:33	389.25	19:23:55	399.07

All figures in kV

Date	400kV Bawana Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01-08-20	418.09	07:00:41	398.63	00:06:00	408.15
02-08-20	420.9	07:01:33	396.75	22:17:36	408.14
03-08-20	419.03	06:30:48	396.99	22:13:49	408.42
04-08-20	418.56	06:03:09	392.3	14:13:30	403.49
05-08-20	416.21	07:01:22	392.3	22:13:34	404.01
06-08-20	415.98	07:01:15	394.41	22:37:37	404.79
07-08-20	414.57	07:00:17	388.78	22:16:56	401.52
08-08-20	414.57	18:15:28	387.84	14:23:38	400.36
09-08-20	416.92	17:01:21	395.81	22:17:12	405.46
10-08-20	417.15	06:34:33	393.94	12:10:14	404.01
11-08-20	419.26	06:04:23	394.41	13:54:04	405.5
12-08-20	420.2	06:20:24	395.11	12:12:17	405.66
13-08-20	422.78	06:46:49	402.85	19:50:51	410.79
14-08-20	421.84	06:20:02	397.92	19:24:39	409.58
15-08-20	419.5	17:34:48	397.22	21:40:25	411.31
16-08-20	419.03	07:01:19	393.23	19:43:31	406.65
17-08-20	419.26	06:02:30	393.7	12:13:01	405.62
18-08-20	420.2	06:03:23	398.39	12:25:24	407.41
19-08-20	421.37	07:00:46	404.49	19:27:48	413.36
20-08-20	422.78	06:03:29	404.02	19:36:50	413.58
21-08-20	426.06	06:02:21	399.57	19:36:43	410.95
22-08-20	422.08	07:03:14	394.64	19:23:43	410.33
23-08-20	422.08	07:02:25	398.16	19:36:57	411.52
24-08-20	421.61	06:35:48	392.76	19:27:46	405.81
25-08-20	418.09	06:04:07	394.88	12:10:57	405.72
26-08-20	417.15	05:35:20	393.94	19:19:01	405.16
27-08-20	418.09	06:02:48	389.01	19:36:59	403.47
28-08-20	417.15	06:05:10	399.1	10:09:01	406.99
29-08-20	416.92	03:57:50	405.19	00:03:20	415.95
30-08-20	416.92	00:00:00	416.92	00:00:00	416.92
31-08-20	416.92	00:00:00	397.45	19:25:16	413.38

DETAILS OF BREAK-DOWNS / TRIPPING DURING THE MONTH OF AUGUST 2020

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
1	1.8.20	06:38	HARSH VIHAR 400/220kV 315MVA ICT-II	1.8.20	11:16	TRIPPED ON OLTC, 86.
2	2.8.20	13:20	GAZIPUR 66/11kV, 20MVA Tx-II	2.8.20	14:34	DIFFERENTIAL.
3	3.8.20	12:53	220kV MAHARANI BAGH - PRAGATI CKT	3.8.20	00:00	AT MAHARANI BAGH : DIST PROT, ZONE-I, DIST 4.7KM.
4	4.8.20	05:38	220kV GOPALPUR- MANDOLACKT-I	4.8.20	09:28	AT GOPALPUR : DIFFERENTIAL, 86ABC.
5	4.8.20	16:32	NARELA 66kV 20MVAR CAP. BANK-II	4.8.20	17:15	86
6	6.8.20	11:58	220kV PAPPANKALAN-I-NARAINA CKT-I	6.8.20	12:30	AT PAPPANKALAN-III : 86.
7	7.8.20	18:30	220kV PAPPANKALAN-III-NARAINA CKT-I	7.8.20	19:12	DIFFERENTIAL.
8	8.8.20	08:28	LODHI RD 220/33kV 100MVA Tx-II	8.8.20	13:04	86
9	9.8.20	07:26	220kV PAPPANKALAN-III-NARAINA CKT-I	9.8.20	07:57	AT PAPPANKALAN-III : RYB PHASE, GENERAL TRIP.
10	10.8.20	07:15	220kV BAMNAULI-NAJAFGARH CKT-II	10.8.20	09:56	AT NAJAFGARH : DIST PROT, ZONE-II, DIST 10.8KM, 86. E/F
11	10.8.20	15:25	220kV KASHMIREGATE - DMRC CKT. - II	10.8.20	16:49	AT KASHMIRI GATE : FAULT DISCRIPANCY RELAY.
12	11.8.20	14:05	MUNDKA 400/220kV 315MVA ICT-IV	11.8.20	19:30	86
13	11.8.20	14:53	220kV DSIIDC BAWANA-NARELA CKT-I	11.8.20	17:20	AT DSIIDC BAWANA : 86.
14	11.8.20	14:53	220kV DSIIDC BAWANA-NARELA CKT-II	11.8.20	17:20	AT DSIIDC BAWANA : 86.
15	12.8.20	19:00	OKHLA 220/33kV 100MVA Tx-III	12.8.20	19:35	I/C TRIPPED ON 86.
16	12.8.20	19:00	OKHLA 220/33kV 100MVA Tx-IV	12.8.20	19:35	I/C TRIPPED ON E/F.
17	13.8.20	02:35	OKHLA 220/33kV 100MVA Tx-III	13.8.20	02:45	O/C.
18	13.8.20	02:35	OKHLA 220/33kV 100MVA Tx-V	13.8.20	17:30	86
19	13.8.20	02:35	OKHLA 220/33kV 100MVA Tx-IV	13.8.20	02:45	O/C
20	13.8.20	11:50	R K PURAM 220/66kV 160MVA Tx-II	13.8.20	16:15	PRV, 86.
21	13.8.20	17:10	220KV WAZIRABAD - MANDOLA CKT-I	13.8.20	18:44	AT WAZIRABAD : DIFFERENTIAL, DIST PROT, ZONE-I, DIST 1.028KM.
22	14.8.20	06:37	220kV DIAL- MEHRAULI CKT-I	14.8.20	09:42	AT MEHRAULI : O/C
23	14.8.20	06:47	INDRAPRASTHA POWER 220/33kV 100MVA Tx-I	14.8.20	12:25	86
24	14.8.20	07:32	GOPALPUR 33/11kV, 16MVA Tx-I	14.8.20	10:30	86
25	14.8.20	13:40	RAJGHAT 220/33kV 100MVA Tx-I	14.8.20	13:52	O/C, E/F
26	14.8.20	14:36	220KV WAZIRABAD - MANDOLA CKT-I	14.8.20	18:22	AT WAZIRABAD : DIST PROT, DIST 803MTS.
27	14.8.20	15:45	OKHLA 220/33kV 100MVA Tx-IV	14.8.20	16:05	86
28	14.8.20	15:45	OKHLA 220/33kV 100MVA Tx-III	14.8.20	16:05	86
29	14.8.20	15:45	OKHLA 220/33kV 100MVA Tx-V	14.8.20	20:10	86
30	14.8.20	15:50	ROHINI 220/66kV 100MVA Tx-II	14.8.20	16:50	86
31	14.8.20	18:56	220KV PRAGATI - SARITA VIHAR CKT - I	14.8.20	20:07	AT PRAGATI : DIST PROT, DIST 7.03KM, 86.
32	15.8.20	07:02	220 KV PATPARGANJ - I.P. CKT-I	15.8.20	00:00	AT I.P. : 86, 186.
33	15.8.20	09:36	220kV GOPALPUR- MANDOLACKT-I	15.8.20	16:40	AT GOPALPUR : RYB PHASE, DIFFERENTIAL, AT MANDOLA : DIST PROT, DIST 19.047KM.
34	15.8.20	09:36	220kV GOPALPUR- MANDOLACKT-I	15.8.20	16:40	AT GOPALPUR : RYB PHASE, DIFFERENTIAL, AT MANDOLA : DIST PROT, DIST 19.047KM.
35	15.8.20	10:23	220KV GAZIPUR - MAHARANIBAGH CKT. -I	15.8.20	10:42	AT GAZIPUR : DIST PROT, ZONE-I, DIST 6.2KM. AT MAHARANI BAGH : DIST PROT, ZONE-I, DIST 5.4KM.
36	15.8.20	11:22	220kV GEETA COLONY- PATPARGANJ CKT -II	15.8.20	13:33	AT GEETA COLONY : DIST PROT, ZONE-II, DIST 4.22KM.
37	15.8.20	12:52	220kV BAMNAULI - DIAL CKT-I	15.8.20	15:50	AT DIAL : 86, DIFFERENTIAL.
38	15.8.20	12:58	220kV WAZIRABAD - KASHMIREGATE CKT-I	15.8.20	13:28	AT WAZIRABAD : DIST PROT, ZONE-I, DIST 1.608KM.
39	15.8.20	14:03	220kV MAHARANI BAGH - PRAGATI CKT	15.8.20	15:20	AT PRAGATI : DIST PROT, ZONE-I, DIST 1.316KM.
40	15.8.20	14:45	220kV GOPALPUR- MANDOLACKT-II	15.8.20	16:52	AT GOPALPUR : 86.
41	15.8.20	14:45	220kV OKHLA - BTPS CKT.- I	15.8.20	15:26	AT OKHLA : DIST PROT, ZONE-I, DIST 3.8KM.
42	15.8.20	15:23	220kV WAZIRABAD-GEETA COLONY CKT-I	15.8.20	16:36	AT GEETA COLONY : DIST PROT, DIST 3.009KM.

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
43	15.8.20	16:27	220KV WAZIRABAD - MANDOLA CKT-III	15.8.20	17:35	AT WAZIRABAD : DIST PROT ,ZONE-I, DIST 2.12KM.
44	15.8.20	17:24	220kv MAHARANI BAGH - SARITA VIHAR CKT	15.8.20	18:32	AT SARITA VIHAR : DIST PROT ,ZONE-I, DIST 5.01KM.
45	15.8.20	18:08	220KV WAZIRABAD - KASHMEREGATE CKT-I	15.8.20	18:22	AT WAZIRABAD : DIST PROT ,ZONE-II, DIST 4.88KM.
46	15.8.20	18:47	220 KV PATPARGANJ - I.P. CKT-II	15.8.20	19:48	AT I.P. : DIST PROT, ZONE-II & III,
47	15.8.20	22:59	SHALIMAR BAGH 220/33kv 100MVA Tx-I	15.8.20	23:13	186, E/F.
48	16.8.20	15:55	KASHMIRI GATE 33/11kv, 20MVA Tx	16.8.20	19:45	86
49	16.8.20	17:27	220KV WAZIRABAD-GEETA COLONY CKT-II	16.8.20	19:37	AT WAZIRABAD : DIST PROT, ZONE-I, DIST 1.223KM.
50	17.8.20	16:26	220kv GOPALPUR- MANDOLACKT-II	17.8.20	19:36	AT GOPALPUR : DIST PROT, DIST 20.6KM, YB PHASE.
51	19.8.20	05:40	RAJGHAT 220/33kv 100MVA Tx-I	19.8.20	07:50	I/C TRIPPED ON O/C, E/F.
52	19.8.20	05:52	220kv BAMNAULI-PAPPANKALAN-II CKT-II	19.8.20	00:00	AT BAMNAULI : DIST PROT, ZONE-III, DIST 17.21KM. 86A.
53	20.8.20	06:03	400kv Bamnauli-Jhatikara Ckt-I	20.8.20	00:00	AT BAMNAULI : O/V, 186.
54	21.8.20	18:38	220kv GOPALPUR-SUBZI MANDI CKT-I	21.8.20	20:01	AT GOPALPUR : DIST PROT, DIST 5.8KM, ZONE-I.
55	20.8.20	05:50	SHALIMAR BAGH 220/66kv 100MVA Tx-I	20.8.20	09:35	86
56	20.8.20	10:03	PARKSTREET 220/33kv 100MVA Tx-I	20.8.20	11:28	O/C, E/F
57	22.8.20	10:03	220kv MAHARANI BAGH - SARITA VIHAR CKT	22.8.20	10:54	AT SARITA VIHAR : DIST PROT, ZONE-I, DIST 3.62KM, 86, 186.
58	20.8.20	11:14	LODHI RD 33/11kv, 16MVA Tx-Iv	20.8.20	15:36	BUCHOLZ.
59	21.8.20	11:29	GEETA COLONY 220/33kv 100MVA Tx-I	21.8.20	14:09	AUTO TRIP.
60	21.8.20	13:16	KASHMIRI GATE 33/11kv, 20MVA Tx	21.8.20	18:12	86
61	23.8.20	06:00	SARITA VIHAR 66/11kv, 20MVA Tx-II	23.8.20	17:58	86
62	23.8.20	10:45	220kv GOPALPUR- MANDOLACKT-II	23.8.20	00:00	AT GOPALPUR : DIST PROT, ZONE-III, DIST 851MTS.
63	24.8.20	15:15	INDRAPRASTHA POWER 220/33kv 100MVA Tx-II	24.8.20	15:23	O/C, E/F
64	24.8.20	15:15	INDRAPRASTHA POWER 220/33kv 100MVA Tx-I	24.8.20	15:25	O/C, E/F
65	26.8.20	10:24	400kv Dadri - Harsh Vihar Ckt. -II	26.8.20	00:00	AT HARSH VIHAR : DIST PROT, ZONE-I, DIST 40.4KM.
66	26.8.20	17:17	DSIIDC Bawana 220/66kv 100MVA Tx-III	26.8.20	17:20	86
67	26.8.20	19:18	NARELA 66kv 20MVAR CAP. BANK-II	27.8.20	18:57	86
68	27.8.20	14:25	RAJGHAT 220/33kv 100MVA Tx-I	27.8.20	20:32	E/F.
69	27.8.20	14:27	220kv BAMNAULI-NAJAFGARH CKT-II	27.8.20	19:37	AT NAJAFGARH : 86, DIST PROT, ZONE-I, DIST 9.76KM.
70	27.8.20	16:50	220kv PRAGATI - I.P.CKT - II	27.8.20	20:37	AT I.P. GEN TRIP.
71	27.8.20	22:13	220kv BAMNAULI-PAPPANKALAN-I CKT-II	28.8.20	14:44	AT PAPANALAN-I : 86.
72	28.8.20	11:07	220kv PRAGATI - SARITA VIHAR CKT - I	28.8.20	13:10	AT PRAGATI : DIST PROT, ZONE-I, DIST 11.51KM, O/C.
73	28.8.20	13:40	GAZIPUR 220/66kv 100MVA Tx-I	28.8.20	15:50	INTERTRIPPING.
74	29.8.20	13:32	220kv BAMNAULI-PAPPANKALAN-I CKT-I	29.8.20	17:56	AT BAMNAULI : DIST PROT, ZONE-I, DIST 1.73KM.
75	30.8.20	17:59	220KV WAZIRABAD - MANDOLA CKT-III	30.8.20	00:00	AT WAZIRABAD : DIST PROT ,ZONE-I, DIST 760MTS.
76	31.8.20	01:31	SUBZI MANDI 33/11kv, 16MVA Tx-I	31.8.20	12:15	O/C, E/F
77	31.8.20	01:31	SUBZI MANDI 33/11kv, 16MVA Tx-II	31.8.20	03:55	O/C, 86.
78	31.8.20	18:23	220kv WAZIRABAD-GEETA COLONY CKT-I	31.8.20	00:00	AT WAZIRABAD : DIST PROT, ZONE-I, DIST 77MTS.

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

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