

DELHI TRANSCO LTD.

STATE LOAD DISPATCH CENTER

PROGRESS REPORT

SEPTEMBER - 2020

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1 SALIENT FEATURES OF DELHI POWER SYSTEM

Sr. No.	Features	SEPT 2019	SEPT 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)	6626	6231
	Date	11.09.2019	18.09.21
	Time	22.56.24	22.57.40
3	Peak Demand met (MW)	6626	6231
	Date	11.09.2019	18.09.21
	Time	22.56.24	22.57.40
4	Peak Availability (MW)	6598	6204
5	Shortage (-) / Surplus (+) in MW	(-) 28	(-) 27
6	Percentage Shortage (-) / Surplus (+)	(-) 0.42	(-) 0.43
7	Maximum Energy Consume in a day (Mus)	137.676	126.646
8	Energy Consumed during the month	3462.777	3342.312
9	Load Shedding in Mus		
A)	Due to Grid Restrictions	0.000	0.000
i)	Under Frequency Relay Operations	0.000	0.000
ii)	Manual Load shedding from DTL S/Stns.	0.000	0.000
iii)	Load Shedding due to low frequency / Low Voltage / TTC/ATC Violation		
	TPDDL	0.000	0.000
	BRPL	0.000	0.000
	BYPL	0.000	0.000
	NDMC	0.000	0.000
	MES	0.000	0.000
iv)	Due to transmission Constraints in Central Sector	0.000	0.000
	Total due to Grid Restriction	0.000	0.000
B)	Due to Constraints in System in Mus		
	DTL	0.279	0.148
	TPDDL	0.170	0.027
	BRPL	0.333	0.123
	BYPL	0.011	0.008
	NDMC	0.000	0.000
	MES	0.000	0.000
	Other Agencies	0.001	0.001
	Total	0.794	0.307
10	Grand Total in Mus	0.794	0.307

2. PERFORMANCE OF GENERATING STATIONS WITHIN DELHI DURING SEPTEMBER 2020

A) For the month of Sept 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	0.122	-0.122	0.00	0.000
2.	GT	46.165	1.772	44.393	24.50	124.531
3.	PPCL	125.069	3.025	122.044	55.29	97.067
4.	Bawana	198.747	8.395	190.352	62.78	419.807
5.	Towmcl	13.918	2.039	11.879	--	--
6.	EDWPCL	1.760	0.664	1.102	--	--
7.	DMSWL	13.280	2.092	11.188	--	--
	TOTAL	398.939	18.109	380.836	--	--

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

Power Station	Effective Capacity (MW)	Net Generation in MUs for Sept. 2020	Availability PLF (%) for Sept. 2020	PLF (%) for Sept. 2020	Cumulative Generation in MUs upto Sept. 2020 for the year 2020-21	Cumulative Availability in % upto Sept. 2020 for the year 2020-21
RPH	135	-0.122	0.00	-0.10	-0.733	0.00
GT	270	44.393	90.54	23.32	266.524	86.62
PPCL	330	122.044	59.05	97.41	831.977	94.70
Bawana	1372	190.352	86.65	63.57	1401.488	87.94
Towmcl	16	11.879	--	--	74.177	--
EDWPCL	10	1.102	--	--	5.406	--
DMSWL	24	11.188	--	--	69.043	--
TOTAL	2936	380.836	--	--	2647.882	--

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	30.9.20	24:00	Low Demand
4	30	01-04-20	0:00	30.9.20	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	30.9.20	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	30.9.20	23:59	Low demand

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG-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
		02.09.20	10:22	02.09.20	11:05	unit out due to C& I problem
		07.09.20	7:16	07.09.20	13:05	Unit stopped to attend oil leakage in flexible pipe of control valve.
09.09.20	15:31	09.09.20	16:16	Unit stopped to attend oil leakage in flexible pipe of control valve.		
STG-2	30	01-04-20	0:00	30.9.20	24:00	Low Demand
STG-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	30.9.20	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
		04.09.20	19:21	04.09.20	20:39	GT#1 tripped on internal Fault
		04.09.20	21:02	04.09.20	23:01	GT#1 tripped on same trouble.
		04.09.20	23:01	11.09.20	15:08	GT#1 remained stopped due to non -schedule by SLDC and started to swap GT#2
		12.09.20	15:44	14.09.20	15:04	GT#1 started as per SLDC demand.
		24.09.20	14:40	28.09.20	06:00	GT#1 stopped on Fuel gas supply stopped by GAIL and started on Gas supply resumed.
28.09.20	06:00	30.09.20	23:59	GT#1 remained stopped due to non -schedule by SLDC. Outage continued.....		

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
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
		01.09.20	00:00	04.09.20	17:53 Continued Outage. GT#2 stopped & as desired by SLDC.
		11.09.20	16:34	11.09.20	23:00	GT#2 stopped due to internal Fault
		11.09.20	23:00	24.09.20	14:32	GT#2 started to swap GT#1
		24.09.20	15:40	28.09.20	01:09	GT#2 started to swap GT#1
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
		01.09.20	13:20	01.09.20	15:02	STG tripped on internal Fault
		24.09.20	15:41	28.09.20	16:32	STG tripped on internal Fault

(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.
		9.9.20	13:04	9.9.20	13:57	Drop in gas pressure at Gail end cause unit tripping.
		18.9.20	15:01	18.9.20	16:22	Malfunction of Gas valve at PPCL end cause unit tripping.
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
		2.9.20	00:00	24.9.20	14:10	DC of GT#2 taken out due to HGPI.
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 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.
		2.9.20	00:00	24.9.20	14:10	DC of 1/2 STG#1 taken out due to HGPI of GT#2.
		9.9.20	13:04	9.9.20	14:34	DC of 1/2 STG #1 taken out due to outage of GT#1.
18.9.20	15:03	18.9.20	16:46	DC of 1/2 STG#1 taken out due to outage of GT#1.		
STG -2	254	21.05.20	16:41	21.05.20	17:51	Unit tripped due to Main Steam Temperature low
		26.05.20	16:11	26.05.20	21:30	Unit tripped on closing of ASV along with ½ GT-3
		13.06.20	14:00	14.06.20	06:49	½ STG taken out due to outage of GT-4
		29.06.20	02:16	29.06.20	04:18	Unit tripped on Pulse Failure in Channel-I & II due to UC voltage
		09.07.20	13:30	30.09.20	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						NR
				BRPL	BYPL	TPDDL	NDM C	MES	RPH	
GAS TURBINE	270	100	270	164.39	23.13	81.48	0.00	0.00	1.00	
PRAGATI	330	100	330	93	53	64	100	20		
BAWANA CCGT	1371	80	1097	427	247	298	100	25		
EDWPCL(WEP)	12	49	6	0	5.9	0	0	0		
Bawana(WEP)	24	100	24	10	6	7	1	0		
TOWMCL(WEP)Exbus	13	97.15	12.63	6.5	0	6.1	0			
TOTAL	2020		1739.3	701.1	334.6	456.4	201.3	45.0	1.00	0.0
CENTRAL SECTOR GENERATION										
<u>NTPC STATIONS</u>										
Singrauli STPS	2000	7.50	150.00	30	74	46	0	0		
Rihand Stage-I	1000	10.00	100.00	69	0	31	0	0		
Rihand Stage -II	1000	12.60	126.00	55	32	39	0	0		
Rihand Stage-III	1000	13.19	131.91	78	54	0	0	0		
ANTA GPS	419	10.50	44.00	19	11	13	0	0		
Auriya GPS	663.36	10.86	72.04	32	18	22	0	0		
Dadri GPS	829.78	10.96	90.94	40	23	28	0	0		
Dadri (Th)-I	840	90.00	756.00	559	62	10	125	0		
Dadri (Th) -II	980	74.24	727.53	543	175	10	0	0		
Unchahaar-I TPS	420	5.71	23.98	11	6	7	0	0		
Unchahaar-II TPS	420	11.19	47.00	21	12	14	0	0		
Unchahaar-III TPS	210	13.81	29.00	13	7	9	0	0		
Unchahaar-IV TPS	500									
Jhajjar	1500	46.20	693.00	10	69	614	0	0		
Farakka(From ER)	1600	1.39	22.24	10	6	7	0	0		
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		
Dhaulti Ganga HEP	280	13.21	36.99	16.2	9.4	11.3	0	0		
Dulhasti HEP	390	12.83	50.04	22.0	12.7	15.4	0	0		
Parbati-III HEP	520	12.73	66.20	29.1	16.8	20.3	0	0		
Total NHPC	4065		478.61	234.81	121.6	122	0	0	0	0

Name of the Stn	Installed capacity in MW	Capacity Allocation to Delhi In%	Capacity Allocation to Delhi in MW	DISCOMWISE CAPACITY ALLOCATION IN MW						
				BRPL	BYPL	TPDDL	NDM C	MES	RPH	NR
Nathpa Jhakri HEP	1500	9	142.05	62	36	44	0	0		
Tehri Hydro	1000	6.30	63.00	44	0	19	0	0		
Koteshwar HEP	400	9.86	39.44	27	0	12	0	0		
Total THDC	1400		102.44	71.01	0	31.4	0	0	0	0
Singrauli Hyd	8	19.13	1.53	0	0	1.53				
<u>NPC (NUCLEAR)</u>										
Narora APS	440	10.68	46.99	33	0	14	0	0		
RAPP (C)	440	12.69	55.84	25	14	17	0	0		
TOTAL NPC	880		102.83	57	14	32	0	0	0	0
<u>Allocation from ER</u>										
Tala HEP	1020	2.94	29.99	13	8	9	0	0		
SASAN	3960	11.25	445.50	66.08	311.08	68.34	0	0		
DVC(CTPS7 &8)			300.00	131.00	82.00	83.76				
DVC(Mejia6)			100.00	44	25	31	0	0		
TOTAL	4980		875.49	254	426	192	0	0	0	0
<u>Allocation from Long term Bilateral</u>										
CLP 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 SEPTEMBER 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	23.12.54	78	144	293	18	0	10	543	4258	4225	33	4801	0	4801
2	22.58.54	78	143	292	18	0	18	549	4599	4485	114	5148	0	5148
3	23.09.28	79	144	289	19	0	19	550	4709	4681	28	5259	0	5259
4	23.14.25	73	147	288	18	0	19	545	4753	4726	27	5298	0	5298
5	00.00.01	73	147	288	19	0	19	546	4605	4537	68	5151	0	5151
6	22.50.03	75	150	287	18	0	20	550	4399	4376	23	4949	0	4949
7	11.49.25	72	146	275	18	0	18	529	4417	4369	48	4946	0	4946
8	22.58.29	76	150	308	18	0	19	571	4731	4649	82	5302	0	5302
9	22.58.53	73	149	307	17	0	19	565	4868	4856	12	5433	0	5433
10	22.58.50	73	148	306	18	0	19	564	5021	4957	64	5585	0	5585
11	23.01.25	76	142	306	14	0	17	555	5114	5025	89	5669	0	5669
12	00.00.20	75	142	308	13	0	18	556	4960	4925	35	5516	0	5516
13	23.10.01	74	148	306	19	0	19	566	5111	5112	-1	5677	0	5677
14	22.57.35	75	266	274	16	0	7	638	5170	5165	5	5808	0	5808
15	22.59.39	75	257	272	16	0	9	629	5323	5244	79	5952	0	5952
16	23.11.59	74	272	285	17	0	15	663	5409	5327	82	6072	0	6072
17	23.05.32	75	268	301	15	0	18	677	5410	5334	76	6087	0	6087
18	22.57.40	73	265	288	17	0	17	660	5571	5544	27	6231	0	6231
19	00.00.01	75	261	299	18	0	19	672	5401	5338	63	6073	0	6073
20	23.00.42	75	269	289	17	0	18	668	5292	5206	86	5960	0	5960
21	23.01.04	75	276	286	18	0	18	673	5416	5358	58	6089	0	6089
22	22.56.49	75	261	289	18	3	17	663	5394	5309	85	6057	0	6057
23	23.10.23	75	262	287	17	-1	18	658	5256	5168	88	5914	0	5914
24	22.58.19	40	-5	-8	18	-1	19	63	5735	5689	46	5798	0	5798
25	23.20.02	0	-4	-7	12	4	15	20	5616	5490	126	5636	0	5636
26	00.00.01	0	0	-7	13	4	15	25	5472	5272	200	5497	0	5497
27	23.31.38	0	0	271	13	2	18	304	4581	4450	131	4885	0	4885
28	23.29.58	0	149	241	16	2	11	419	4520	4350	170	4939	0	4939
29	15.29.49	36	146	282	13	6	8	491	4426	4401	25	4917	0	4917
30	01.01.04	39	151	272	15	0	9	486	4275	4397	-122	4761	0	4761

POWER AVAILABILITY- DEMAND POSITION AT THE TIME OF MAXIMUM UNRESTRICTED DEMAND DURING SEPTEMBER 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	23.12.54	78	144	293	18	0	10	543	4258	4225	33	4801	0	4801
2	22.58.54	78	143	292	18	0	18	549	4599	4485	114	5148	0	5148
3	23.09.28	79	144	289	19	0	19	550	4709	4681	28	5259	0	5259
4	23.14.25	73	147	288	18	0	19	545	4753	4726	27	5298	0	5298
5	00.00.01	73	147	288	19	0	19	546	4605	4537	68	5151	0	5151
6	22.50.03	75	150	287	18	0	20	550	4399	4376	23	4949	0	4949
7	11.49.25	72	146	275	18	0	18	529	4417	4369	48	4946	0	4946
8	22.58.29	76	150	308	18	0	19	571	4731	4649	82	5302	0	5302
9	22.58.53	73	149	307	17	0	19	565	4868	4856	12	5433	0	5433
10	22.58.50	73	148	306	18	0	19	564	5021	4957	64	5585	0	5585
11	23.01.25	76	142	306	14	0	17	555	5114	5025	89	5669	0	5669
12	00.00.20	75	142	308	13	0	18	556	4960	4925	35	5516	0	5516
13	23.10.01	74	148	306	19	0	19	566	5111	5112	-1	5677	0	5677
14	22.57.35	75	266	274	16	0	7	638	5170	5165	5	5808	0	5808
15	22.59.39	75	257	272	16	0	9	629	5323	5244	79	5952	0	5952
16	23.11.59	74	272	285	17	0	15	663	5409	5327	82	6072	0	6072
17	23.05.32	75	268	301	15	0	18	677	5410	5334	76	6087	0	6087
18	22.57.40	73	265	288	17	0	17	660	5571	5544	27	6231	0	6231
19	00.00.01	75	261	299	18	0	19	672	5401	5338	63	6073	0	6073
20	23.00.42	75	269	289	17	0	18	668	5292	5206	86	5960	0	5960
21	23.01.04	75	276	286	18	0	18	673	5416	5358	58	6089	0	6089
22	22.56.49	75	261	289	18	3	17	663	5394	5309	85	6057	0	6057
23	23.10.23	75	262	287	17	-1	18	658	5256	5168	88	5914	0	5914
24	22.58.19	40	-5	-8	18	-1	19	63	5735	5689	46	5798	0	5798
25	23.20.02	0	-4	-7	12	4	15	20	5616	5490	126	5636	0	5636
26	00.00.01	0	0	-7	13	4	15	25	5472	5272	200	5497	0	5497
27	23.31.38	0	0	271	13	2	18	304	4581	4450	131	4885	0	4885
28	23.29.58	0	149	241	16	2	11	419	4520	4350	170	4939	0	4939
29	15.29.49	36	146	282	13	6	8	491	4426	4401	25	4917	0	4917
30	01.01.04	39	151	272	15	0	9	486	4275	4397	-122	4761	0	4761

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

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

A (i) RPH	0.000
(ii) GT+STG	46.165
(iii) PRAGATI	125.069
(iv) RITHALA	0.000
(v) BAWANA CCGT	198.747
(vi) Timarpur – Okhla	13.918
EDWPCL	1.766
DMSWL	13.280
TOTAL	398.945
B) AVAILABILITY FROM BTPS	-0.146
C) AUXILIARY CONSUMPTION OF GENERATING STNs. EXCLUDING BTPS	18.109
D) NET GENERATION AVAILABLE WITHIN DELHI(A+B-C)	380.690

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	2.661	2.590	2.661	2.590
SALAL	53.117	51.960	53.117	51.960
SASAN	283.623	275.446	283.623	275.446
TANKAPUR	7.473	7.291	7.473	7.291
CHAMERA	17.241	16.820	17.241	16.820
CHAMERA -II	9.180	8.957	9.180	8.957
CHAMERA -III	14.937	14.572	14.937	14.572
DHAULIGANGA	21.509	20.986	21.509	20.986
SEWA -2	4.077	3.986	4.077	3.986
URI	29.717	29.071	29.717	29.071
URI-II	20.017	19.629	20.017	19.629
KOLDAM	0.000	0.000	0.000	0.000
KOTESHWAR	10.318	10.093	10.318	10.093
PARBATI3	9.143	8.919	9.143	8.919
RAMPUR	0.000	0.000	0.000	0.000
ANTA (CRF)	0.000	0.000	0.000	0.000
ANTA (GAS)	1.220	1.189	1.133	1.104
ANTA (RLNG)	5.273	5.146	0.627	0.611
ANTA (LIQUID)	23.970	23.388	0.000	0.000
DADRI (CRF)	8.908	8.757	4.340	4.266
DADRI (GAS)	9.290	9.129	8.185	8.044
DADRI (RLNG)	27.694	27.223	6.087	5.982
DADRI (LIQUID)	12.107	11.910	0.004	0.004
AURAIYA (CRF)	0.000	0.000	0.000	0.000
AURAIYA (GAS)	0.000	0.000	0.000	0.000
AURAIYA (RLNG)	12.521	12.183	1.669	1.622
AURAIYA (LIQUID)	35.997	35.036	0.000	0.000
SINGRAULI	66.437	64.165	65.955	63.699
SINGRAULI_HYDRO	0.000	0.000	0.000	0.000
RIHAND -I	62.319	60.192	61.015	58.932
RIHAND -II	84.789	81.890	84.020	81.147
RIHAND -III	83.032	80.621	82.276	79.887
UNCHAHAR-I	15.713	15.331	13.250	12.927
UNCHAHAR-II	26.124	25.489	22.192	21.653

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
UNCHAHAHAR-III	19.001	18.539	16.177	15.784
UNCHAHAHAR-IV	0.000	0.000	0.000	0.000
DADRI (TH)	497.909	489.490	60.770	59.830
DADRI (TH) STAGE-II	493.749	485.401	276.103	271.541
BRBCL (NABIPUR-BIHAR)	2.296	2.254	2.296	2.254
TALCHER FOR AUX. OF BTPS	0.000	0.000	0.000	0.000
NAPP	28.100	27.410	28.100	27.410
RAPP 'B'	0.000	0.000	0.000	0.000
RAPP 'C'	37.074	35.989	37.074	35.989
NATHPA JHAKRI	94.765	92.459	94.765	92.459
DULASTI	35.596	34.818	35.596	34.818
TEHRI	20.101	19.664	20.101	19.664
JHAJJAR	470.400	462.447	0.302	0.297
KHELGAON	29.224	28.694	27.395	26.898
KHELGAON-II	54.980	53.994	53.663	52.700
FARAKA	12.469	12.213	11.418	11.183
TALA	22.121	21.557	22.121	21.557
DVC	257.485	255.959	255.959	254.748
TUTICORIN - BRPL	18.200	17.988	17.988	17.904
MADHYA PRADESH	3.619	3.583	3.583	3.565
GUJRAT	10.978	10.887	10.887	10.832
KARNATAKA	33.364	32.899	32.899	32.744
NAGALAND	0.000	0.000	0.000	0.000
CHATTISHGARH	0.000	0.000	0.000	0.000
UTTAR PRADESH	0.022	0.022	0.022	0.022
REGL (ADANI) CHATTISHGARH	0.000	0.000	0.000	0.000
RPREL (ADANI) CHATTISHGARH	64.158	63.239	63.239	62.940
KWHEP (HP)	0.000	0.000	0.000	0.000
SAINJ (HP)	12.894	12.704	12.704	12.644
BGTPP (ASSAM)	0.884	0.877	0.877	0.873
BIHAR	1.168	1.161	1.161	1.157
DBPL (CHATTISHGARH)	4.207	4.147	4.147	4.125
MANIPUR	3.631	3.621	3.621	3.605
BALCO (Chattishgarh)	0.392	0.387	0.387	0.386
FSTPP-III (WEST BENGAL)	0.046	0.046	0.046	0.045
SIKKIM	3.691	3.650	3.650	3.633
TAMILNAIDU	7.229	7.145	7.145	7.109
SEIL PROJECT-II(ANDHRA PRADESH)	1.401	1.389	1.389	1.383
MEGHALAYA	20.536	20.424	20.424	20.334
ANDHRA	0.358	0.354	0.354	0.353
DGEN (GUJRAT)	0.000	0.000	0.000	0.000
ESSAR_MAHAN (MP)	0.158	0.157	0.157	0.156
METHON POWER(NDPL)LT-06	190.487	189.359	189.359	188.461
DVC MEJIA (LT-08)(BYPL)	63.829	63.447	63.447	63.143
Acme_RUMS	6.828	6.770	6.770	6.739
Arinsun_RUMS	7.453	7.390	7.390	7.356
Mahindra_RUMS	7.111	7.050	7.050	7.018
URS	1.976	1.966	1.976	1.966
JAMMU & KASHMIR	12.213	12.094	12.094	12.036
HIMACHAL PRADESH	203.787	200.768	200.768	199.801
JHABUA (MP)	0.000	0.000	0.000	0.000
GOA	1.348	1.340	1.340	1.333
KERALA	76.450	75.575	75.575	75.217
ARUNACHAL PRADESH	0.000	0.000	0.000	0.000
HIMACHAL PRADESH LT-59 DVC	6.099	6.008	6.008	5.980
HARYANA (LT-05)	70.560	70.050	70.050	69.719
MP(SOLAR RUMS)	14.836	14.698	14.698	14.627
HP TPDDL (NANTI)	6.384	6.290	6.290	6.260
ALFANAR WIND(BRPL) GUJRAT	13.921	13.830	13.830	13.768
ALFANAR WIND(BYPL) (GUJRAT)	4.640	4.610	4.610	4.589
KSMPL BHADLA(RAJASTHAN)	9.473	9.357	9.357	9.314
ALFANAR WIND(TPDDL)(GUJRAT)	4.639	4.609	4.609	4.589
ADHPL (HP)	21.813	21.491	21.491	21.389
ODHISHA	1.001	0.992	0.992	0.987

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
ORISSA MT-20 JITPL -DVC	5.375	5.329	5.329	5.304
WEST BENGAL	1.274	1.265	1.265	1.259
TELENGANA	1.376	1.363	1.363	1.355
RAJASTHAN(SOLAR) BRPL-LT36	3.819	3.772	3.772	3.754
RAJASTHAN(SOLAR) BYPL - LT-35	3.717	3.672	3.672	3.655
RAJASTHAN(SOLAR) TPDDL LT-31	3.630	3.586	3.586	3.569
HP TARANDA (RAILWAYS)	4.717	4.647	4.647	4.625
TO NAGALAND	0.000	0.000	0.000	0.000
TO ANDHRA	0.000	0.000	0.000	0.000
TO UTTAR PRADESH	0.000	0.000	0.000	0.000
TO WEST BENGAL	0.000	0.000	0.000	0.000
TO MEGHALAYA	0.000	0.000	0.000	0.000
TO KERALA	0.000	0.000	0.000	0.000
TO ODISHA	0.000	0.000	0.000	0.000
TO TAMILNAIDU	-17.618	-17.864	-17.864	-18.086
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)	371.060	369.342	371.060	369.342
TO POWER EXCHANGE (IEX)	-2.613	-2.646	-2.613	-2.646
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)	-18.946	-19.181	-18.946	-19.181
TO SHARE PROJECT (PUNJAB)	-19.836	-20.084	-19.836	-20.084
REAL TIME MANAGEMENT (RTM)	57.084	56.808	57.084	56.808
TO REAL TIME MANAGEMENT (RTM)	-10.211	-10.337	-10.211	-10.337
TOTAL	4328.286	4254.902	3060.296	3014.767

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	1488.351	1457.332	706.097	689.286
NTPC - ER	96.674	94.901	92.476	90.782
NHPC	224.668	219.598	224.668	219.598
NPC	65.174	63.399	65.174	63.399
SASAN	283.623	275.446	283.623	275.446
KOTESHWAR	10.318	10.093	10.318	10.093
NATHPA JHAKRI	94.765	92.459	94.765	92.459
TALCHER FOR AUX. OF BTPS	0.000	0.000	0.000	0.000
TEHRI	20.101	19.664	20.101	19.664
TALA	22.121	21.557	22.121	21.557
JHAJJAR	470.400	462.447	0.302	0.297
RAJASTHAN SOLAR(BRPL)T-36	3.819	3.772	3.772	3.754
RAJASTHAN SOLAR(BYPL)T-35	3.717	3.672	3.672	3.655
RAJASTHAN SOLAR(TPDDL)T-31	3.630	3.586	3.586	3.569
DVC	257.485	255.959	255.959	254.748
TUTICORIN BRPL	18.200	17.988	17.988	17.904
MADHYA PRADESH	3.619	3.583	3.583	3.565
GUJRAT	10.978	10.887	10.887	10.832
KARNATAKA	33.364	32.899	32.899	32.744
NAGALAND	0.000	0.000	0.000	0.000
CHATTISHGARH	0.000	0.000	0.000	0.000
UTTAR PRADESH	0.022	0.022	0.022	0.022
REGL (ADANI) CHATTISHGARH	0.000	0.000	0.000	0.000
RPREL (ADANI)CHATTISHGARH	64.158	63.239	63.239	62.940
KWHEP (HP)	0.000	0.000	0.000	0.000

NAME OF THE STATION	AVAILABILITY AT POWER PLANT	AVAILABILITY AT DELHI PERIPHERY	ALLOCATION MADE BY NRLDC AT POWER PLANT	ALLOCATION MADE BY NRLDC AT DELHI PERIPHERY
SAINJ (HP)	12.894	12.704	12.704	12.644
BGTTP (ASSAM)	0.884	0.877	0.877	0.873
BIHAR	1.168	1.161	1.161	1.157
DBPL (CHATTISHGARH)	4.207	4.147	4.147	4.125
MANIPUR	3.631	3.621	3.621	3.605
BALCO (Chattishgarh)	0.392	0.387	0.387	0.386
FSTPP -III (WEST BENGAL)	0.046	0.046	0.046	0.045
SIKKIM	3.691	3.650	3.650	3.633
TAMILNAIDU	7.229	7.145	7.145	7.109
SEIL PROJECT-II(ANDHRA PRADESH)	1.401	1.389	1.389	1.383
MEGHALAYA	20.536	20.424	20.424	20.334
ANDHRA	0.358	0.354	0.354	0.353
DGEN (GUJRAT)	0.000	0.000	0.000	0.000
ESSAR_MAHAN (MP)	0.158	0.157	0.157	0.156
METHON POWER (NDPL)-LT-06	190.487	189.359	189.359	188.461
DVC MEJIA (LT-08)(BYPL)	63.829	63.447	63.447	63.143
Acme_RUMS	6.828	6.770	6.770	6.739
Arinsun_RUMS	7.453	7.390	7.390	7.356
Mahindra_RUMS	7.111	7.050	7.050	7.018
URS	1.976	1.966	1.976	1.966
JAMMU & KASHMIR	12.213	12.094	12.094	12.036
HIMACHAL PRADESH	203.787	200.768	200.768	199.801
JHABUA (MP)	0.000	0.000	0.000	0.000
GOA	1.348	1.340	1.340	1.333
KERALA	76.450	75.575	75.575	75.217
ARUNACHAL PRADESH	0.000	0.000	0.000	0.000
HP LT-59 DVC(SURYA KANTA)	6.099	6.008	6.008	5.980
HARYANA (LT -05)	70.560	70.050	70.050	69.719
ADHPL (HP)	21.813	21.491	21.491	21.389
ODISHA	1.001	0.992	0.992	0.987
ORISSA MT-20 JITPL -DVC	5.375	5.329	5.329	5.304
WEST BENGAL	1.274	1.265	1.265	1.259
TELENGANA	1.376	1.363	1.363	1.355
MP(SOLAR RUMS)	14.836	14.698	14.698	14.627
HP TPDDL (NANTI)	6.384	6.290	6.290	6.260
HP TRANDA (RAILWAYS)	4.717	4.647	4.647	4.625
ALFANAR WIND(BRPL)	13.921	13.830	13.830	13.768
ALFANAR WIND(BYPL)	4.640	4.610	4.610	4.589
KSMPL BHADLA	9.473	9.357	9.357	9.314
ALFANAR WIND(TPDDL)	4.639	4.609	4.609	4.589
POWER EXCHANGE(IEX)	371.060	369.342	371.060	369.342
POWER EXCHANGE(PX)	0.000	0.000	0.000	0.000
REAL TIME MANAGEMENT (RTM)	57.084	56.808	57.084	56.808
TOTAL	4397.511	4325.015	3129.766	3085.101

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 ORISSHA	0.000	0.000	0.000	0.000
TO TAMILNAIDU	-17.618	-17.864	-17.864	-18.086
TO GOA	0.000	0.000	0.000	0.000
TO CHATTISHGARH	0.000	0.000	0.000	0.000
TO MANIPUR	0.000	0.000	0.000	0.000
BTPS TO MP	0.000	0.000	0.000	0.000
TO HIMACHAL PRADESH	0.000	0.000	0.000	0.000
TO GUJRAT	0.000	0.000	0.000	0.000
TO POWER EXCHANGE (IEX)	-2.613	-2.646	-2.613	-2.646
TO POWER EXCHANGE (PX)	0.000	0.000	0.000	0.000
TO SHARE PROJECT (HARYANA)	-18.946	-19.181	-18.946	-19.181
TO SHARE PROJECT (PUNJAB)	-19.836	-20.084	-19.836	-20.084
TO REAL TIME MANAGEMENT (RTM)	-10.211	-10.337	-10.211	-10.337
TOTAL	-69.225	-70.112	-69.471	-70.334
TOTAL SCHEDULED DRAWAL FROM THE GRID	4328.286	4254.902	3060.296	3014.767
TOTAL CONSUMPTION INCLUDING AUX. OF GENERATING STNs				3360.421
NET CONSUMPTION				3342.312
AVAILABILITY WITHIN DELHI				380.690
ACTUAL DRAWAL FROM THE GRID				2961.622
OVER DRAWAL(+)/UNDER DRAWAL(-) FROM THE GRID ON THE BASIS OF SCHEDULED ALLOCATION MADE BY NRLDC TO DELHI AT PERIPHERY				-53.145
LOAD SHEDDING				0.128
UNRESTRICTED DEMAND (GROSS)				3360.549
UNRESTRICTED DEMAND (NET)				3342.440
MAX. NET CONSUMPTION				126.646 On 18.09.20
MAX. LOAD SHEDDING				196 MW ON 02.09.2020 AT 13.40 HRS.
PEAK LOAD	Peak Demand during the month			SHEDDING AT PEAK TIME NIL.
DAY PEAK	6117 MW AT 15.30.00 HRS ON 18.09.2020			
EVENING PEAK	6231 MW AT 22.57.40 HRS ON 18.09.2020			

8 SHEDDING DETAILS DURING THE MONTH OF SEPTEMBER 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 drawl / low freq.)				
		BSES		TPDDL	NDMC	TOTAL	BSES		TPDDL	NDMC	MES
		BYPL	BRPL				BYPL	BRPL			
1	2	3	4	5	6	7=3 to 6	8	9	10	11	12
01-09-20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
02-09-20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
03-09-20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
04-09-20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
05-09-20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
06-09-20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
07-09-20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
08-09-20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
09-09-20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10-09-20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11-09-20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12-09-20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
13-09-20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14-09-20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15-09-20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
16-09-20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17-09-20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
18-09-20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
19-09-20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20-09-20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
21-09-20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22-09-20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
23-09-20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
24-09-20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25-09-20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
26-09-20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27-09-20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
28-09-20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
29-09-20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30-09-20	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	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
01-09-20	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
02-09-20	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
03-09-20	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
04-09-20	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
05-09-20	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
06-09-20	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
07-09-20	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
08-09-20	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
09-09-20	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
10-09-20	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
11-09-20	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
12-09-20	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
13-09-20	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
14-09-20	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
15-09-20	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
16-09-20	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
17-09-20	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
18-09-20	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
19-09-20	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
20-09-20	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
21-09-20	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
22-09-20	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
23-09-20	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
24-09-20	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
25-09-20	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
26-09-20	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
27-09-20	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
28-09-20	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
29-09-20	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
30-09-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Date	DUE TO T&D CONSTRAINTS IN DELHI SYSTEM								
	DITL					DISCOMS			
	BSES		TPDDL	NDMC	MES	BSES		TPDDL	NDMC
	BYPL	BRPL				BYPL	BRPL		
1	26	27	28	29	30	31	32	33	34
01-09-20	0.001	0.000	0.000	0.000	0.000	0.000	0.008	0.0001	0.000
02-09-20	0.000	0.062	0.008	0.000	0.000	0.000	0.002	0.002	0.000
03-09-20	0.000	0.010	0.001	0.000	0.000	0.000	0.007	0.0001	0.000
04-09-20	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.0000	0.000
05-09-20	0.006	0.002	0.001	0.000	0.000	0.000	0.002	0.0001	0.000
06-09-20	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.005	0.000
07-09-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
08-09-20	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.0001	0.000
09-09-20	0.000	0.000	0.000	0.000	0.000	0.000	0.0045	0.0003	0.000
10-09-20	0.000	0.000	0.000	0.000	0.000	0.000	0.0020	0.000	0.000
11-09-20	0.000	0.000	0.000	0.000	0.000	0.000	0.007	0.000	0.000
12-09-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
13-09-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14-09-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0002	0.000
15-09-20	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.0000	0.000
16-09-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17-09-20	0.005	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.000
18-09-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
19-09-20	0.000	0.004	0.000	0.000	0.000	0.008	0.007	0.0000	0.000
20-09-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000
21-09-20	0.0004	0.009	0.0003	0.000	0.000	0.000	0.000	0.000	0.000
22-09-20	0.000	0.000	0.000	0.000	0.000	0.000	0.021	0.000	0.000
23-09-20	0.000	0.000	0.0000	0.000	0.000	0.000	0.008	0.0002	0.000
24-09-20	0.000	0.035	0.000	0.000	0.000	0.000	0.023	0.000	0.000
25-09-20	0.000	0.000	0.000	0.000	0.000	0.000	0.016	0.000	0.000
26-09-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.015	0.000
27-09-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
28-09-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
29-09-20	0.0004	0.000	0.003	0.000	0.000	0.000	0.003	0.000	0.000
30-09-20	0.000	0.000	0.000	0.000	0.000	0.000	0.007	0.000	0.000
	0.013	0.122	0.013	0.000	0.000	0.008	0.123	0.027	0.000

ALL FIGURES IN MUs

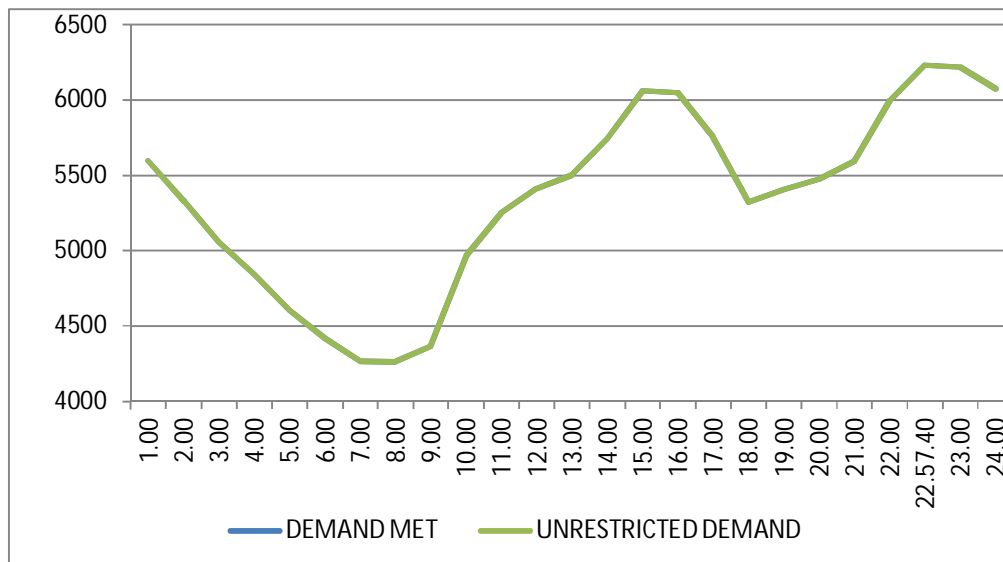
DATE	OTHER AGENCIES LIKE GENCO, BBMB, BTPS ETC.				THEFT PRONE SHEDDING			TOTAL SHEDDING DUE TO T&D CONSTS. & THEFT PRONE	GRAND TOTAL
	BSES		TPDDL	NDMC	BSES		TPDDL		
	BYPL	BRPL			BYPL	BRPL			
1	35	36	37	38	39	40	41	42 = 26 to 41	43 = 25 + 42
01-09-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.009	0.009
02-09-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.074	0.074
03-09-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.018	0.018
04-09-20	0.000	0.000	0.0002	0.000	0.000	0.000	0.000	0.001	0.001
05-09-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0111	0.011
06-09-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.007	0.007
07-09-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
08-09-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001
09-09-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.005	0.005
10-09-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.002
11-09-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.007	0.007
12-09-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
13-09-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14-09-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15-09-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001
16-09-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17-09-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.008	0.008
18-09-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
19-09-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.019	0.019
20-09-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001
21-09-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010
22-09-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.021	0.021
23-09-20	0.000	0.000	0.0005	0.000	0.000	0.000	0.000	0.009	0.009
24-09-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.058	0.058
25-09-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.016	0.016
26-09-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.015	0.015
27-09-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
28-09-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
29-09-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.006	0.006
30-09-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.007	0.007
	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.306	0.306

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
01-09-20	97.835	4801	23:12:54	0	4801	4801	23:12:54	4801	0
02-09-20	100.949	5148	22:58:54	0	5148	5148	22:58:54	5148	0
03-09-20	107.732	5259	23:09:28	0	5259	5259	23:09:28	5259	0
04-09-20	108.837	5298	23:14:25	0	5298	5298	23:14:25	5298	0
05-09-20	104.587	5151	00:00:01	0	5151	5151	00:00:01	5151	0
06-09-20	94.295	4949	22:50:03	0	4949	4949	22:50:03	4949	0
07-09-20	103.052	4946	11:49:25	0	4946	4946	11:49:25	4946	0
08-09-20	104.971	5302	22:58:29	0	5302	5302	22:58:29	5302	0
09-09-20	110.555	5433	22:58:53	0	5433	5433	22:58:53	5433	0
10-09-20	113.682	5585	22:58:50	0	5585	5585	22:58:50	5585	0
11-09-20	114.728	5669	23:01:25	0	5669	5669	23:01:25	5669	0
12-09-20	112.889	5516	00:00:20	0	5516	5516	00:00:20	5516	0
13-09-20	113.683	5677	23:10:01	0	5677	5677	23:10:01	5677	0
14-09-20	118.060	5808	22:57:35	0	5808	5808	22:57:35	5808	0
15-09-20	120.071	5952	22:59:39	0	5952	5952	22:59:39	5952	0
16-09-20	121.323	6072	23:11:59	0	6072	6072	23:11:59	6072	0
17-09-20	123.626	6087	23:02:32	0	6087	6087	23:02:32	6087	0
18-09-20	126.646	6231	22:57:40	0	6231	6231	22:57:40	6231	0
19-09-20	122.156	6073	00:00:01	0	6073	6073	00:00:01	6073	0
20-09-20	114.682	5960	23:00:42	0	5960	5960	23:00:42	5960	0
21-09-20	121.778	6089	23:01:04	0	6089	6089	23:01:04	6089	0
22-09-20	124.480	6057	22:56:49	0	6057	6057	22:56:49	6057	0
23-09-20	121.695	5914	23:10:23	0	5914	5914	23:10:23	5914	0
24-09-20	117.726	5798	22:58:19	0	5798	5798	22:58:19	5798	0
25-09-20	114.960	5636	23:20:02	0	5636	5636	23:20:02	5636	0
26-09-20	105.309	5497	00:00:01	0	5497	5497	00:00:01	5497	0
27-09-20	95.048	4885	23:31:38	0	4885	4885	23:31:38	4885	0
28-09-20	102.292	4939	23:29:58	0	4939	4939	23:29:58	4939	0
29-09-20	103.429	4917	15:29:49	0	4917	4917	15:29:49	4917	0
30-09-20	101.236	4761	00:01:04	0	4761	4761	00:01:04	4761	0
	3342.312	18.09.20 6231	22:57:40	0	18.09.20 6231	6231	22:57:40	6231	0

9. **LOAD PATTERN OF DELHI ON THE DAY OF PEAK DEMAND MET DURING SEPTEMBER 2020 ON 18.09.2020 - 6231 MW AT 22.57.40 HRS.**

All figures in MW

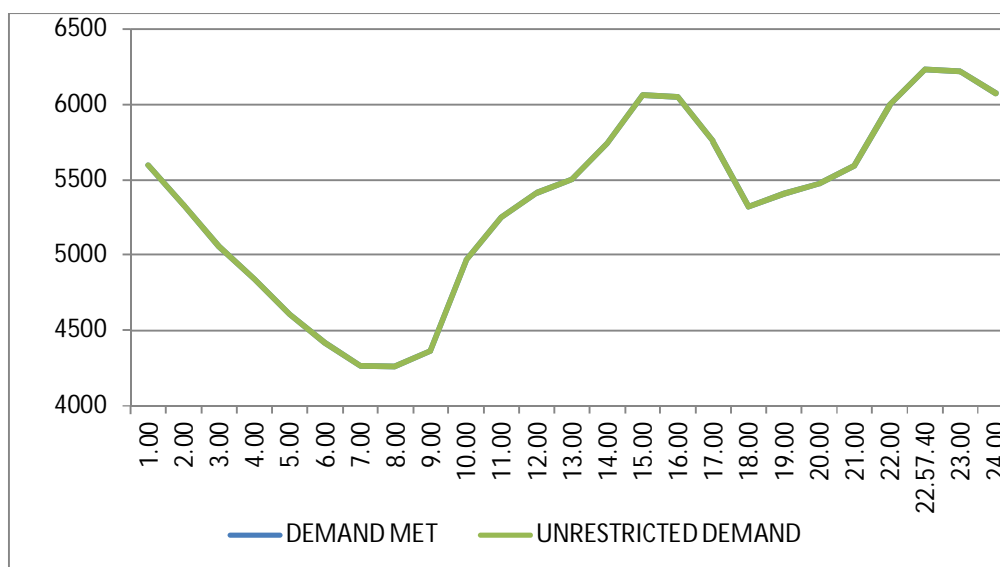
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	5596	0	5596
2.00	5330	0	5330
3.00	5056	0	5056
4.00	4841	0	4841
5.00	4606	0	4606
6.00	4417	0	4417
7.00	4265	0	4265
8.00	4260	0	4260
9.00	4365	0	4365
10.00	4965	0	4965
11.00	5250	0	5250
12.00	5411	0	5411
13.00	5504	0	5504
14.00	5741	0	5741
15.00	6061	0	6061
16.00	6049	0	6049
17.00	5753	0	5753
18.00	5322	0	5322
19.00	5406	0	5406
20.00	5472	0	5472
21.00	5593	0	5593
22.00	5997	0	5997
22.57.40	6231	0	6231
23.00	6218	0	6218
24.00	6073	0	6073
Total (IN MUS)	126.646	0.000	126.646



10 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UN-RESTRICTED DEMAND DURING SEPTEMBER 2020 ON 18.09.2020 - 6231 MW AT 22.57.40HRS.

All figures in MW

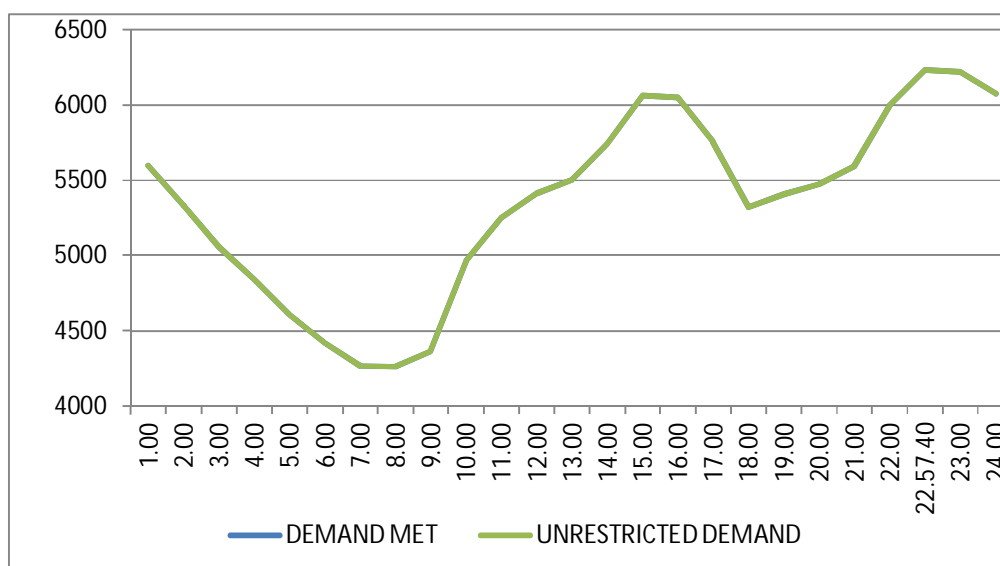
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	5596	0	5596
2.00	5330	0	5330
3.00	5056	0	5056
4.00	4841	0	4841
5.00	4606	0	4606
6.00	4417	0	4417
7.00	4265	0	4265
8.00	4260	0	4260
9.00	4365	0	4365
10.00	4965	0	4965
11.00	5250	0	5250
12.00	5411	0	5411
13.00	5504	0	5504
14.00	5741	0	5741
15.00	6061	0	6061
16.00	6049	0	6049
17.00	5753	0	5753
18.00	5322	0	5322
19.00	5406	0	5406
20.00	5472	0	5472
21.00	5593	0	5593
22.00	5997	0	5997
22.57.40	6231	0	6231
23.00	6218	0	6218
24.00	6073	0	6073
Total (IN MUS)	126.646	0.000	126.646



11 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM ENERGY CONSUMED DURING SEPTEMBER 2020 – 18.09.2020 – 126.646 Mus

All figures in MW

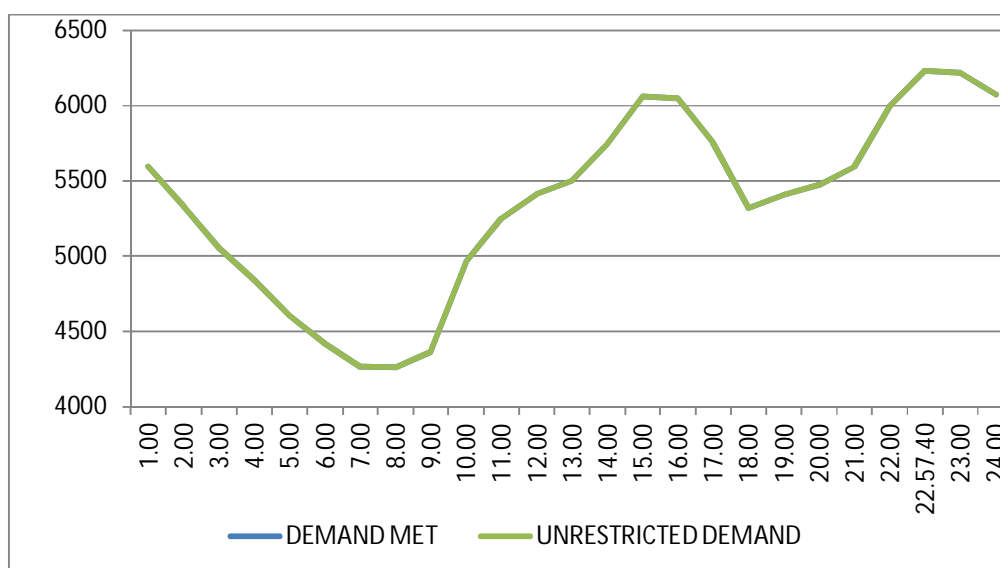
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	5596	0	5596
2.00	5330	0	5330
3.00	5056	0	5056
4.00	4841	0	4841
5.00	4606	0	4606
6.00	4417	0	4417
7.00	4265	0	4265
8.00	4260	0	4260
9.00	4365	0	4365
10.00	4965	0	4965
11.00	5250	0	5250
12.00	5411	0	5411
13.00	5504	0	5504
14.00	5741	0	5741
15.00	6061	0	6061
16.00	6049	0	6049
17.00	5753	0	5753
18.00	5322	0	5322
19.00	5406	0	5406
20.00	5472	0	5472
21.00	5593	0	5593
22.00	5997	0	5997
22.57.40	6231	0	6231
23.00	6218	0	6218
24.00	6073	0	6073
Total (IN MUS)	126.646	0.000	126.646



12 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UNRESTRICTED ENERGY DEMAND DURING SEPTEMBER 2020 – ON 18.09.2020 – 126.646 – MUs

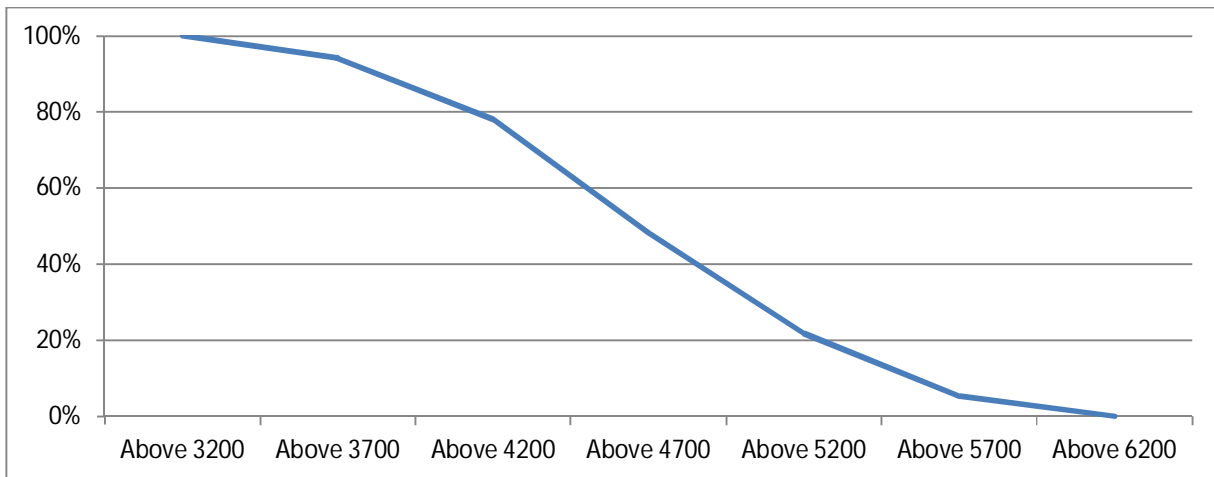
All figures in MW

Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	5596	0	5596
2.00	5330	0	5330
3.00	5056	0	5056
4.00	4841	0	4841
5.00	4606	0	4606
6.00	4417	0	4417
7.00	4265	0	4265
8.00	4260	0	4260
9.00	4365	0	4365
10.00	4965	0	4965
11.00	5250	0	5250
12.00	5411	0	5411
13.00	5504	0	5504
14.00	5741	0	5741
15.00	6061	0	6061
16.00	6049	0	6049
17.00	5753	0	5753
18.00	5322	0	5322
19.00	5406	0	5406
20.00	5472	0	5472
21.00	5593	0	5593
22.00	5997	0	5997
22.57.40	6231	0	6231
23.00	6218	0	6218
24.00	6073	0	6073
Total (IN MUS)	126.646	0.000	126.646



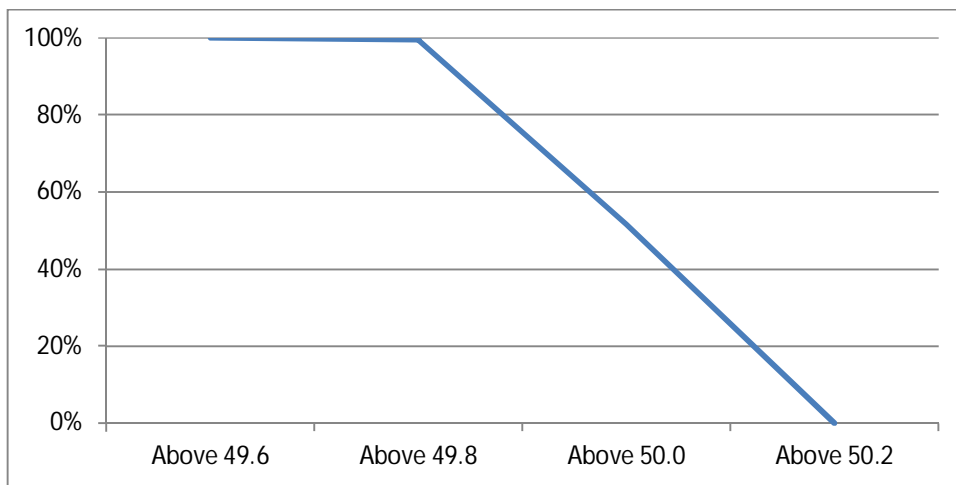
13 LOAD DURATION CURVE FOR SEPTEMBER 2020

Load in MW	Percentage of Time
Above 3200	100%
Above 3700	94.13%
Above 4200	78.09%
Above 4700	48.29%
Above 5200	21.90%
Above 5700	5.34%
Above 6200	0.00%



14 FREQUENCY ANALYSIS FOR THE MONTH OF SEPTEMBER 2020

FREQUENCY REMAINED ABOVE IN MW	(%) OF TIME
Above 49.6	100%
Above 49.8	99.51%
Above 50.0	51.52%
Above 50.2	0.00%



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

All figures in kV

Date	NARELA		GAZIPUR	
	Max	Min	Max	Min
01-09-20	228.27	215.24	242.58	0
02-09-20	226.34	213.83	246.29	231.98
03-09-20	226.34	214.34	246.31	234.35
04-09-20	226.21	215.24	246.34	234.08
05-09-20	226.21	0	247.3	235.02
06-09-20	228.66	217.95	248.43	236.8
07-09-20	227.24	214.73	247.19	234.06
08-09-20	227.37	216.28	247.27	238.38
09-09-20	225.95	213.31	--	--
10-09-20	226.08	214.08	--	--
11-09-20	224.66	213.31	--	--
12-09-20	223.76	213.05	--	--
13-09-20	225.43	213.83	--	--
14-09-20	225.43	213.18	--	--
15-09-20	224.4	213.44	--	--
16-09-20	222.98	213.05	--	--
17-09-20	224.27	213.44	--	--
18-09-20	224.01	213.7	--	--
19-09-20	223.63	212.67	--	--
20-09-20	224.79	214.47	--	--
21-09-20	225.43	213.44	--	--
22-09-20	225.43	214.34	--	--
23-09-20	225.3	214.47	--	--
24-09-20	225.56	213.7	--	--
25-09-20	225.3	213.18	--	--
26-09-20	226.72	214.99	--	--
27-09-20	229.17	217.31	--	--
28-09-20	226.34	213.7	--	--
29-09-20	226.08	214.34	--	--
30-09-20	226.34	214.47	--	--

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

All figures in kV

Date	400kV Bamnauli Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01-09-20	412.46	6:02:07	387.61	12:14:09	397.61
02-09-20	407.54	6:02:31	385.5	10:29:02	395.78
03-09-20	408.01	7:02:05	389.25	12:36:56	397.01
04-09-20	409.18	6:05:59	389.01	14:29:21	397.38
05-09-20	410.12	6:58:03	388.54	14:38:05	398.92
06-09-20	412.7	7:01:27	391.36	22:11:00	402
07-09-20	409.88	6:18:01	388.54	11:25:12	398.5
08-09-20	411.52	6:04:05	388.54	20:31:07	398.48
09-09-20	409.88	6:03:19	386.43	12:15:20	399.07
10-09-20	413.4	6:06:03	388.78	14:41:25	398.32
11-09-20	407.3	7:01:04	386.9	12:27:48	396.32
12-09-20	406.83	7:00:42	384.56	22:41:15	395.53
13-09-20	405.66	8:03:26	385.03	22:28:48	396.32
14-09-20	406.13	6:02:00	386.43	11:40:51	394.2
15-09-20	404.02	6:03:04	383.39	22:25:00	393.85
16-09-20	402.14	6:03:21	384.32	22:18:24	392.55
17-09-20	405.66	7:00:55	386.2	23:04:08	394.95
18-09-20	406.13	7:01:00	384.56	15:29:51	393.13
19-09-20	405.19	6:05:55	381.51	22:13:27	393.82
20-09-20	404.02	6:16:09	383.85	22:37:22	393.68
21-09-20	405.19	6:59:23	386.9	00:15:33	400.19
22-09-20	401.91	0:00:00	401.91	00:00:00	401.91
23-09-20	401.91	0:00:00	0	17:23:19	290.46
24-09-20	396.75	17:37:26	0	00:44:38	157.98
25-09-20	404.49	7:01:49	384.32	12:21:10	393.34
26-09-20	405.19	7:01:33	387.37	10:47:23	396.04
27-09-20	406.83	8:02:17	388.78	23:04:29	398.02
28-09-20	405.19	6:59:51	382.68	11:51:51	394.11
29-09-20	405.19	4:00:48	385.03	09:37:45	395.84
30-09-20	406.13	7:00:23	384.56	11:43:40	396.11

All figures in kV

Date	400kV Bawana Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01-09-20	418.56	06:04:17	396.28	12:12:58	405.65
02-09-20	414.34	07:00:25	394.41	19:13:32	403.76
03-09-20	413.4	07:01:13	396.05	12:37:03	403.89
04-09-20	414.81	06:17:36	397.92	11:34:25	404.64
05-09-20	415.04	06:57:47	396.75	11:28:48	406.71
06-09-20	419.5	07:00:50	402.14	22:20:32	410.54
07-09-20	416.92	06:17:53	396.28	12:27:43	405.93
08-09-20	416.21	06:04:05	397.22	12:19:56	405.03
09-09-20	413.63	06:02:18	394.41	12:16:19	404.9
10-09-20	416.92	06:04:52	394.88	19:39:23	403.82
11-09-20	410.35	07:01:04	391.12	12:27:45	400.68
12-09-20	409.18	07:00:37	391.12	22:10:39	399.32
13-09-20	409.88	08:02:50	393.23	00:04:19	401.83
14-09-20	409.65	06:16:53	393.23	11:40:44	399.66
15-09-20	407.77	06:03:16	391.36	22:21:28	399.07
16-09-20	406.37	06:03:30	390.42	12:24:10	397.86
17-09-20	408.01	07:00:33	393.7	22:23:05	399.72
18-09-20	409.65	07:01:35	392.06	11:23:46	398.83
19-09-20	409.18	06:04:28	392.06	10:53:29	400.6
20-09-20	411.29	06:16:01	396.05	00:15:20	402.56
21-09-20	412.23	07:01:08	393.23	10:48:45	401.03
22-09-20	411.99	07:00:38	395.11	10:51:12	403.35
23-09-20	412.46	06:03:21	394.88	12:23:11	404.06
24-09-20	413.63	06:17:34	394.64	12:13:04	404.01
25-09-20	413.87	07:01:47	393.94	12:22:38	403.4
26-09-20	413.87	06:02:40	397.22	10:48:50	406.06
27-09-20	416.21	07:00:43	402.14	23:05:45	408.99
28-09-20	415.04	07:01:06	393.7	11:51:47	404.65
29-09-20	413.63	04:00:58	395.81	09:56:09	405.4
30-09-20	414.34	07:00:51	393.94	11:49:42	405.26

DETAILS OF BREAK-DOWNS / TRIPPING DURING THE MONTH OF SEPT. 2020

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
1	1.9.20	06:05	220kV GAZIPUR- PATPARGANJ CKT	1.9.20	09:48	AT GAZIPUR : DIFFERENTIAL.
2	2.9.20	06:53	OKHLA 220/33kV 100MVA Tx-V	2.9.20	00:00	86
3	2.9.20	12:53	220kV BAMNAULI- PAPPANKALAN-III CKT-II	2.9.20	00:00	AT BAMNAULI : 186A&B, DIST RPTO, DIST 1.1KM.
4	2.9.20	13:30	220kV BAMNAULI- PAPPANKALAN-III CKT-I	2.9.20	16:42	AT BAMNAULI : DIST PROT, ZONE-III, 186A&B, DIST 7.6KM.
5	2.9.20	13:52	220kV NARAINA-RIDGE VALLEY CKT-I	2.9.20	00:00	At Naraina : Bus bar prot operated.
6	2.9.20	13:52	NARAINA 220/33kV 100MVA Tx-I	2.9.20	00:00	Bus bar prot operated.
7	3.9.20	08:35	220 KV GOPALPUR-WAZIRABAD CKT - 1	3.9.20	00:00	AT WAZIRABAD : DIST PROT, DIST 4.09KM. ZONE-II.
8	3.9.20	15:53	220kV MEHRAULI - VASANT KUNJ CKT.-I	3.9.20	16:08	TRIPPED WITHOUT INDICATION.
9	4.9.20	13:28	MEHRAULI 220/66kV 100MVA Tx-III	4.9.20	14:55	86
10	5.9.20	05:50	INDRAPRASTHA POWER 220/33kV 100MVA Tx-II	5.9.20	06:30	E/F, 86.
11	5.9.20	05:50	220kV PRAGATI - PARK STREET CKT-II	5.9.20	00:00	AT PARK STREET : DIST PROT, ZONE-I
12	5.9.20	05:50	220kV PRAGATI - I.P.CKT - II	5.9.20	07:31	AT I.P. : DIST PROT, ZONE-I.
13	5.9.20	06:48	INDRAPRASTHA POWER 220/33kV 100MVA Tx-I	5.9.20	09:28	E/F.
14	5.9.20	17:55	220kV GAZIPUR - MAHARANIBAGH CKT. -II	5.9.20	18:22	AT GAZIPUR : DIST PROT, ZONE-I, DIST 4.06KM.
15	8.9.20	05:15	220kV OKHLA - BTPS CKT.- I	8.9.20	00:00	AT BTPS : TRIPPED WITHOUT INDICATION.
16	8.9.20	06:09	220kV OKHLA - BTPS CKT.- I	8.9.20	16:02	AT BTPS : TRIPPED WITHOUT INDICATION.
17	9.9.20	09:25	MEHRAULI 220/66kV 100MVA Tx-I	9.9.20	10:48	86
18	9.9.20	14:36	PRAGATI 220/66kV 160MVA Tx-II	9.9.20	19:05	DIFFERENTIAL.
19	10.9.20	14:28	220kV PRAGATI - SARITA VIHAR CKT - I	10.9.20	17:25	AT PRAGATI : DIST PROT, ZONE-I, DIST 7.908KM.
20	10.9.20	14:32	220 KV TRAUMA CENTER-RIDGE VALLEY CKT-2			AT RIDGE VALLEY : ZONE-III, 86.
21	12.9.20	14:07	220kV BAWANA - KANJHAWALA CKT - 1	12.9.20	15:28	AT KHANJAWALA : DIST PROT, ZONE-I, DIST 5.08KM.
22	12.9.20	18:45	220kV GEETA COLONY- PATPARGANJ CKT-I	12.9.20	19:46	AT GEETA COLONY : DIST PROT, ZONE II, DIST 3.58KM.
23	13.9.20	11:21	220kV OKHLA - BTPS CKT.- I	13.9.20	15:31	AT BTPS : TRIPPED WITHOUT INDICATION.
24	14.9.20	00:56	220kV OKHLA - BTPS CKT.- I	14.9.20	06:56	AT BTPS : TRIPPED WITHOUT INDICATION.
25	14.9.20	08:59	220kV OKHLA - BTPS CKT.- I	14.9.20	16:02	AT BTPS : TRIPPED WITHOUT INDICATION.
26	14.9.20	09:55	220 KV TRAUMA CENTER-RIDGE VALLEY CKT-2	14.9.20	11:15	AT RIDGE VALLEY : 86, DIST PROT, ZONE-III.
27	17.9.20	13:37	220kV PRAGATI - SARITA VIHAR CKT - I	17.9.20	14:07	AT PRAGATI : DIST PROT, ZONE-I, DIST 1.86KM, O/C, E/F.
28	21.9.20	10:49	NARAINA 220/33kV 100MVA Tx-III	21.9.20	23:50	E/F, 86.
29	21.9.20	10:49	NARAINA 220/33kV 100MVA Tx-II	21.9.20	23:50	E/F, 86.
30	21.9.20	13:38	220kV BAMNAULI - DIAL CKT-II	21.9.20	13:57	AT DIAL : DIST PROT, ZONE-I.
31	24.9.20	11:29	OKHLA 220/33kV 100MVA Tx-IV	24.9.20	11:51	O/C, 86.
32	24.9.20	11:29	OKHLA 220/33kV 100MVA Tx-III	24.9.20	11:51	O/C, E/F, 86.
33	24.9.20	17:50	MASJID MOTH 220/33kV 100MVA Tr-III	24.9.20	18:45	O/C, E/F 86.
34	24.9.20	17:50	MASJID MOTH 220/33kV 100MVA Tx-I	24.9.20	18:30	O/C, E/F, 86.

SL N O	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
35	24.9.20	17:50	MASJID MOTH 220/33kV 100MVA Tx-II	24.9.20	18:15	O/C, E/F, 86.
36	24.9.20	20:02	R K PURAM 220/33kV 160MVA Tx-I	24.9.20	20:57	O/C.
37	27.9.20	03:27	TUGHLAKABAD 220/66kV 160MVA Tr. -II	27.9.20	14:58	DIFFERENTIAL.
38	27.9.20	05:12	WAZIRABAD 66/11kV, 20MVA Tx- IV	27.9.20	09:44	86
39	29.9.20	17:22	220kV GOPALPUR- MANDOLACKT-II	29.9.20	18:25	AT GOPALPUR : 86.

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

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