

DELHI TRANSCO LTD.

STATE LOAD DISPATCH CENTER

PROGRESS REPORT

JUNE - 2019

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SALIENT FEATURES OF DELHI POWER SYSTEM

Sr. No.	Features	JUN. 2018	JUN 2019
1	Effective Generation Capacity within Delhi in MW		
	Rajghat Power House	135	135
	Gas Turbine	270	270
	Pragati Power Corporation Ltd.	330	330
	Badapur Thermal Power Station	705	0
	Rithala GT	108	0
	Bawana	1372	1372
	TOWMCL (Waste to Energy plant)	16	16
	EDWPCL (Waste to Energy plant)	10	10
	MSW BAWANA (Waste to Energy plant)	24	24
	Total	2970	2157
2	Maximum Unrestricted Demand (MW)	6937	6904
	Date	08.06.18	12.06.19
	Time	15.28.33	15.34.28
3	Peak Demand met (MW)	6934	6904
	Date	08.06.18	12.06.19
	Time	15.28.33	15.34.28
4	Peak Availability (MW)	6939	6784
5	Shortage (-) / Surplus (+) in MW	(+)5	(-) 120
6	Percentage Shortage (-) / Surplus (+)	(+) 0.07	(-) 1.74
7	Maximum Energy Consume in a day (Mus)	139.383	139.207
8	Energy Consumed during the month	3820.913	3830.057
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		
	NDPL	0.008	0.030
	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	0.008	0.030
B)	Due to Constraints in System in Mus		
	DTL	0.196	0.944
	NDPL	0.298	0.121
	BRPL	1.926	1.301
	BYPL	0.222	0.178
	NDMC	0.008	0.000
	MES	0.000	0.000
	Other Agencies	0.037	0.000
	Total	2.687	2.543
11	Grand Total in Mus	2.695	2.573

2. PERFORMANCE OF GENERATING STATIONS WITHIN DELHI DURING JUNE 2019

A) For the month of June 2019

All Figures in MUs

S. No	Stations	Gross Generation	Aux. Consumption	Net Generation	Availability (%)	Backing Down
1.	RPH	0.00	0.124	-0.124	0.00	0.000
2.	GT	67.821	2.245	65.576	88.06	101.134
3.	PPCL	192.959	4.469	188.463	94.01	28.404
4.	BTPS	0.00	0.633	-0.633	0.00	0.000
5.	Rithala	0.00	0.000	0.000	0.00	0.00
6.	Bawana	357.537	12.024	345.513	89.26	512.856
7.	Towmcl	14.472	2.143	12.329	--	--
8.	EDWPCL	2.816	0.948	1.868	--	--
9.	DMSWL	12.954	2.324	10.630	--	--
	TOTAL	648.559	24.91	623.622	--	

B) For the Year 2019-20 (Upto June 2019)

Power Station	Effective Capacity (MW)	Net Generation in MUs for Jun 2019	Availability (%) for Jun 2019	PLF (%) for Jun 2019	Cumulative Generation in MUs upto Jun 2019 for the year 2019-20	Cumulative Availability in % upto Jun 2019 for the year 2019-20	Cumulative PLF in % upto Jun 2019 for the year 2019-20
RPH	135	-0.124	0.00	0.00	-0.407	0.00	-0.20
GT	270	65.576	88.06	34.42	156.991	85.40	27.29
PPCL	330	188.463	94.01	81.69	409.440	94.39	58.51
BTPS	705	-0.633	0.00	0.00	-1.815	-1.182	0.00
Rithala	108	0.000	0.00	0.00	0.00	0.00	0.00
Bawana	1372	345.513	89.26	35.75	953.421	82.45	32.59
Towmcl	16	12.329	--	125.63	38.016	--	--
EDWPCL	--	1.868	--	32.59--	8.832	--	--
DMSWL	--	10.630	--	74.97	30.334	--	--
TOTAL	2936	623.622	--	--	1594.812	--	--

3 DETAILS OF OUTAGES OF GENERATING STNS. WITHIN DELHI W.E.F. APRIL 2019

(A) RPH

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

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
2	67.5	21.05.15	10.20	Contd.		Not in operation due to not meeting pollution norms.

(B) Gas Turbine

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	30	12.06.19	08.28	12.06.19	12.15	unit tripped due to Electrical trouble normal shut down.

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
2	30	01.06.19	16.45	01.06.19	20.00	Unit tripped on Electrical trouble Normal shut down alarms.

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
3	30	12.04.19	02.25	12.04.19	04.40	Machine tripped due to fault occurred in high vibration pick up.

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
4	30	Nil				

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
5	30	27.05.19	11.08	27.05.19	12.54	Tripped due to Electrical trouble

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
6	30	30.04.19	01.18	30.04.19	02.05	Machine tripped due to malfunctioning of IP pack
		02.05.19	16.08	02.05.19	17.37	Tripped due to failue of communication I/O pack.
		19.06.19	17.58	19.06.19	19.18	Unit tripped on heavy jerk.

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG -1	30	09.04.19	08.00	28.05.19	20.32	Major overhauling.
		01.06.19	21.15	02.06.19	19.15	Machine out due ot axial shift problem.
		03.06.19	12.00	12.06.19	17.45	

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG -2	30	11.05.19	17.55	11.05.19	20.05	Unit tripped due to Class A channel I&2 trip.
		05.06.19	02.14	05.06.19	04.01	Unit tripped due to dum level disturbance.

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG-3	30	05.04.19	01.15	05.04.19	02.15	Machine tripped on durm level very high.
		02.05.19	23.45	03.05.19	05.15	Tripped due to faulty relay.
		07.06.19	21.55	08.06.19	02.04	Unit tripped due to Hotwell level very high. Lube oil Press. LOW and Class A trip relay alarm also appeared.
		19.06.19	17.58	19.06.19	20.48	Unit tripped on heavy jerk.

(C) PRAGATI

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	104	01.04.19	00.00	05.04.19	08.04	Stopped due to low demand and high frequency
		24.04.19	00.00	25.04.19	00.14	
		25.04.19	00.47	01.05.19	16.54	Not scheduled due to available in Open cycle.
		03.05.19	04.15	10.05.19	13.52	Stopped due to low demand and high frequency
		17.05.19	22.30	29.05.19	12.32	
		19.06.19	18.02	19.06.19	18.25	Grid disturbance
		21.06.19	10.05	21.06.19	11.15	Stopped to attend hot point by DTL.

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
2	104	05.04.19	17.03	22.04.19	21.19	Stopped due to low demand and high frequency
		10.05.19	15.56	10.05.19	17.00	GT-2 swapped with GT-1
		10.05.19	17.00	10.05.19	18.00	DC reduced for un wrapping inlet air filters.
		10.05.19	18.00	20.05.19	14.39	Stopped due to low demand and high frequency
		18.06.19	00.08	19.06.19	14.37	

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG	122	01.04.19	00.00	01.04.19	08.15	Unit stopped for MI
		14.04.19	16.50	15.04.19	04.45	Attending governing system.
		03.05.19	01.34	03.05.19	04.02	Internal fault
		17.05.19	22.30	20.05.19	17.57	Stopped due to low demand and high frequency

(D) BAWANA CCGT POWER STATION

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	216	01.05.19	10.00	01.05.19	12.00	Transformer testing by PGCIL
		01.05.19	12.00	02.05.19	18.00	
		26.06.19	10.09	26.06.19	11.22	Machine Tripped on Guillotine damper feedback close .

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
2	216	21.06.19	17.30	21.06.19	21.42	Machine stopped for attending oil leakage in trip oil line.

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG-1	254	01.05.19	00.00	01.05.19	12.00	Transformer testing by PGCIL
		15.05.19	07.42	18.05.19	12.00	Dislodging of R phae CT of excitation transformer from its base plate and filling on transformer enclosure was cause of tripping.
		11.06.19	13.35	11.06.19	15.41	Machine Tripped on closure of HPMS-39.
		26.06.19	10.09	26.06.19	12.02	Machine Tripped on Guillotine damper feedback close .

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
3	216	29.04.19	20.18	29.04.19	21.37	Malfunctioning of compressor bleed valve brought machine on FSNL.
		02.05.19	12.16	02.05.19	12.54	Machine came on FSNL itself due to problem in excitation.
		27.05.19	11.58	27.05.19	13.41	Gas leakage

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
4	216	01.04.19	00.00	04.04.19	13.00	Unit kept out due to leakage of pressure.
		04.04.19	13.00	08.04.19	20.00	

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG-2	254	01.04.19	00.00	04.04.19	13.00	Replacement of R phase bushing of STGT Transformer.
		15.05.19	07.44	15.05.19	13.21	Unit tripped on instantaneous high set element of stand by E/F protection of generator transformer
		27.05.19	11.58	27.05.19	14.00	Gas leakage.

4 ALLOCATION OF POWER TO DELHI

A) Time block 00.00hrs. to 24.00hrs. @ 0% allocation from Unallocated Quota from 25.02.2019

Name of the Stn	Installed capacity	Total Un-allocated	Basic Allocation	Basic Allocation at periphery	Allocation out of Unallocated Quota	Allocation out of Un-allocation Quota at Delhi periphery	Total allocation at Delhi periphery
1	2	3	4	5	6	7	(8)=(5)+(7)
NTPC STATIONS							
Singrauli STPS	2000	300	150	134	0	0	134
Rihand-I	1000	150	100	89	0	0	89
Rihand Stage -II	1000	150	126	115	0	0	115
Rihand Stage -III	1000	150	132	120	0	0	120
ANTA GPS	419	63	44	41	0	0	41
Auriya GPS	663.36	99	72	68	0	0	68
Dadri GPS	829.78	129	91	86	0	0	86
Dadri NCTPS (Th)	840	0	756	668	0	0	668
Dadri NCTPS (Th) Stage-II	980	147	728	665	0	0	665
Unchahaar-I TPS	420	20	24	21	0	0	21
Unchahaar-II TPS	420	63	47	41	0	0	41
Unchahaar-III TPS	210	31	29	25	0	0	25
Unchahaar-IV TPS	500	75	0	0	0	0	0
TOTAL	10282	1377	2298	2073	0	0	2073
NHPC							
Baira Suil HPS	180	0	20	19	0	0	19
Salal HPS	690	0	80	77	0	0	77
Tanakpur HEP	94	0	12	12	0	0	12
Chamera HEP	540	0	43	41	0	0	41
Chamera-II HEP	300	54	40	38	0	0	38
Chamera-III HEP	231	35	29	28	0	0	28
URI-I HEP	480	0	53	51	0	0	51
URI-II HEP	240	0	32	31	0	0	31
Sewa HEP	120	18	16	15	0	0	15
Dhaulti Ganga HEP	280	42	37	35	0	0	35
Dulhasti HEP	390	58	50	48	0	0	48
Parbati-III HEP	520	66	66	63	0	0	63
Singrauli small hydro	8	0	1.53	1	0	0	1
TOTAL	4073	272	480	458	0	0	458
NPC							
Narora APS	440	64	47	40	0	0	40
RAPP (C)	440	64	56	49	0	0	49
TOTAL	880	128	103	88	0	0	88
SJVNL							
Nathpa Jhakri HEP	1500	149	142	135	0	0	135
THDC							
Tehri Hydro	1000	99	63	60	0	0	60
Koteshwar HEP	400	40	39	38	0	0	38
TOTAL	1400	139	102	98	0	0	98
Total	18135	2065	3126	2852	0	0	2852
Allocation from ER and Tala HEP							
Farakka	1600	0	22	20	0	0	20
Kahalgaon	840	0	51	45	0	0	45
Tala HEP	1020	153	30	29	0	0	29
Kahalgaon-II	1500	0	157	139	0	0	139
Total ER	4960	153	261	232	0	0	232
Joint Venture							
Jhajjar TPS	1500	114	693	634	0	0	634
Ultra Mega Projects							
Sasan	3960	0	446	404	0	0	404
Grand Total	28555	2332	4525	4122	0	0	4122

5 ALLOCATION OF POWER TO DISCOMS

A) ALLOCATION OF POWER TO VARIOUS LICENCEES AS PER ORDER OF DERC AND DECISION OF GNCTD FOR ALLOCATION OF CENTRAL SECTOR STATIONS (DADRI THERMAL & BTPS) AND STATE SECTOR GENERATING STATIONS w.e.f. 06.08.2013.

(Allocation In %)

(A) 10.00hrs. to 17.00hrs.

SOURCES	LICENSEES					
	NDMC	MES	NDPL	BRPL	BYPL	TOTAL
1. Central Sector without Dadri (Th)	0	0	29.18	43.58	27.24	100.00
2. Dadri (Th)	16.63	0	24.22	36.86	22.39	100.00
3. BTPS	17.73	7.09	21.81	33.2	20.17	100.00
4. RPH	0	0	29.025	44.133	26.842	100.00
5. GT	0	0	29.02	44.16	26.82	100.00
6. Pragati	30.3	0	20.22	30.78	18.7	100.00
7. DVC	0	0	29.18	43.58	27.24	100.00
8. BAWANA CCGT*	7.30	1.82	20.688	30.888	19.304	80.00

(B) 00.00hrs. to 10.00hrs. and 17.00hrs. to 24.00hrs.

SOURCES	LICENSEES					
	NDMC	MES	NDPL	BRPL	BYPL	TOTAL
1. Central Sector without Dadri (Th)	0	0	29.18	43.58	27.24	100.00
2. Dadri (Th)	16.53	0	24.22	36.86	22.39	100.00
3. BTPS	17.73	7.09	21.81	33.2	20.17	100.00
4. RPH	0	0	29.025	44.133	26.842	100.00
5. GT	0	0	29.02	44.16	26.82	100.00
6. Pragati	30.3	0	20.22	30.78	18.7	100.00
7. DVC	0	0	29.18	43.58	27.24	100.00
8. BAWANA CCGT*	7.30	1.82	20.688	30.888	19.304	80.00

* 20% POWER OF BAWANA CCGT ALLOCATED TO HARYANA (10%) & PUNJAB (10%)

6 POWER AVAILABILITY-DEMAND POSITION AT THE TIME OF PEAK DEMAND MET DURING JUNE 2019

Date	Time of peak demand	Generation within Delhi									Import from the Grid	Schedule from the Grid	OD(-)/UD(+)	Demand met	Shedding	Un-Restricted Demand
		RP H	GT	PPCL	Bawana	Tow mcl	East Delhi	DMS WL	BTPS	Total						
(1)	(2)	(3)	(4)	(5)	(7)	(8)				(9)= (3) to (8)	(10)	(11)	(12)= (11) - (10)	(13)= (11)+ (12)	(14)	(15)= (13)+ (14)
1	15.40.10	0	77	264	562	15	-2	6	0	922	5540	5305	235	6462	0	6462
2	23.31.30	0	67	295	582	11	-1	14	0	968	5592	5544	48	6560	0	6560
3	15.21.40	0	102	266	520	13	-1	17	0	917	5695	5768	-73	6612	0	6612
4	15.30.28	0	102	265	473	19	-2	17	0	874	5706	5682	24	6580	0	6580
5	23.23.16	0	74	269	520	19	1	18	0	901	5601	5517	84	6502	0	6502
6	15.06.13	0	94	260	470	19	5	18	0	866	5792	5768	24	6658	3	6661
7	23.15.44	0	102	259	592	18	4	19	0	994	5481	2405	3076	6475	0	6475
8	00.00.52	0	103	294	490	18	4	18	0	927	5460	5347	113	6387	0	6387
9	23.41.26	0	75	267	471	17	3	16	0	849	5593	2469	3124	6442	0	6442
10	23.23.15	0	105	265	551	18	3	18	0	960	5726	5599	127	6686	0	6686
11	23.53.56	0	124	256	471	19	6	16	0	892	5900	5740	160	6792	0	6792
12	15.34.28	0	122	261	576	18	3	18	0	998	5906	5786	120	6904	0	6904
13	15.15.14	0	122	261	472	18	6	16	0	895	5909	5835	74	6804	70	6874
14	15.39.42	0	131	260	470	15	5	15	0	896	5675	5676	-1	6571	0	6571
15	15.02.39	0	121	263	527	15	2	15	0	943	5617	5376	241	6560	0	6560
16	00.00.50	0	98	267	471	19	-1	18	0	872	5543	5321	222	6415	0	6415
17	00.00.01	0	68	259	472	19	-1	9	0	826	5094	5175	-81	5920	0	5920
18	00.01.58	0	68	252	471	17	2	14	0	824	4167	4171	-4	4991	69	5060
19	15.27.08	0	77	180	478	17	-1	17	0	768	4498	4290	208	5266	0	5266
20	23.23.34	0	78	259	474	19	-1	16	0	845	4847	4727	120	5692	0	5692
21	23.09.53	0	76	288	480	18	-1	14	0	875	5074	5213	-139	5949	0	5949
22	23.42.41	0	76	256	472	18	-1	17	0	838	5337	5075	262	6175	0	6175
23	00.01.08	0	76	263	472	18	-1	15	0	843	5288	4979	309	6131	0	6131
24	15.35.14	0	76	257	528	18	5	13	0	897	5060	5088	-28	5957	0	5957
25	23.03.39	0	71	300	597	17	5	17	0	1007	5436	5277	159	6443	0	6443
26	15.22.22	0	75	266	566	16	2	14	0	939	5693	5722	-29	6632	0	6632
27	15.45.42	0	100	262	476	14	2	12	0	866	5674	5515	159	6540	0	6540
28	23.21.17	0	73	259	470	15	6	13	0	836	5786	5871	-85	6622	0	6622
29	23.30.35	0	105	272	530	16	7	15	0	945	5824	5747	77	6769	0	6769
30	23.21.36	0	105	262	468	16	2	14	0	867	5816	5719	97	6683	0	6683

POWER AVAILABILITY- DEMAND POSITION AT THE TIME OF MAXIMUM UNRESTRICTED DEMAND DURING JUNE 2019

Date	Time of peak demand	Generation within Delhi									Import from the Grid	Schedule from the Grid	OD(-)/UD(+)	Demand met	Shedding	Un-Restricted Demand
		RP H	GT	PPCL	Bawana	Tow mcl	East Delhi	DMS WL	BTPS	Total						
(1)	(2)	(3)	(4)	(5)	(7)	(8)				(9)= (3) to (8)	(10)	(11)	(12)= (11) - (10)	(13)= (11)+ (12)	(14)	(15)= (13)+ (14)
1	15.40.10	0	77	264	562	15	-2	6	0	922	5540	5305	235	6462	0	6462
2	23.31.30	0	67	295	582	11	-1	14	0	968	5592	5544	48	6560	0	6560
3	15.21.40	0	102	266	520	13	-1	17	0	917	5695	5768	-73	6612	0	6612
4	15.30.28	0	102	265	473	19	-2	17	0	874	5706	5682	24	6580	0	6580
5	23.23.16	0	74	269	520	19	1	18	0	901	5601	5517	84	6502	0	6502
6	15.06.13	0	94	260	470	19	5	18	0	866	5792	5768	24	6658	3	6661
7	23.15.44	0	102	259	592	18	4	19	0	994	5481	2405	3076	6475	0	6475
8	00.00.52	0	103	294	490	18	4	18	0	927	5460	5347	113	6387	0	6387
9	23.41.26	0	75	267	471	17	3	16	0	849	5593	2469	3124	6442	0	6442
10	23.23.15	0	105	265	551	18	3	18	0	960	5726	5599	127	6686	0	6686
11	23.53.56	0	124	256	471	19	6	16	0	892	5900	5740	160	6792	0	6792
12	15.34.28	0	122	261	576	18	3	18	0	998	5906	5786	120	6904	0	6904
13	15.15.14	0	122	261	472	18	6	16	0	895	5909	5835	74	6804	70	6874
14	15.39.42	0	131	260	470	15	5	15	0	896	5675	5676	-1	6571	0	6571
15	15.02.39	0	121	263	527	15	2	15	0	943	5617	5376	241	6560	0	6560
16	00.00.50	0	98	267	471	19	-1	18	0	872	5543	5321	222	6415	0	6415
17	00.00.01	0	68	259	472	19	-1	9	0	826	5094	5175	-81	5920	0	5920
18	00.01.58	0	68	252	471	17	2	14	0	824	4167	4171	-4	4991	69	5060
19	15.27.08	0	77	180	478	17	-1	17	0	768	4498	4290	208	5266	0	5266
20	23.23.34	0	78	259	474	19	-1	16	0	845	4847	4727	120	5692	0	5692
21	23.09.53	0	76	288	480	18	-1	14	0	875	5074	5213	-139	5949	0	5949
22	23.42.41	0	76	256	472	18	-1	17	0	838	5337	5075	262	6175	0	6175
23	00.01.08	0	76	263	472	18	-1	15	0	843	5288	4979	309	6131	0	6131
24	15.35.14	0	76	257	528	18	5	13	0	897	5060	5088	-28	5957	0	5957
25	23.03.39	0	71	300	597	17	5	17	0	1007	5436	5277	159	6443	0	6443
26	15.22.22	0	75	266	566	16	2	14	0	939	5693	5722	-29	6632	0	6632
27	15.45.42	0	100	262	476	14	2	12	0	866	5674	5515	159	6540	0	6540
28	23.21.17	0	73	259	470	15	6	13	0	836	5786	5871	-85	6622	0	6622
29	23.30.35	0	105	272	530	16	7	15	0	945	5824	5747	77	6769	0	6769
30	23.21.36	0	105	262	468	16	2	14	0	867	5816	5719	97	6683	0	6683

SOURCEWISE SCHEDULED DRAWL FROM NORTHERN GRID AS WELL AS AVAILABILITY WITHIN DELHI FOR JUNE 2019

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

A (i) RPH	0.000
(ii) GT+STG	67.821
(iii) PRAGATI	192.959
(iv) RITHALA	0.000
(v) BAWANA CCGT	357.537
(vi) Timarpur – Okhla	14.472
EDWPCL	2.816
DMSWL	12.954
TOTAL	648.559
B) AVAILABILITY FROM BTPS	-0.633
C) AUXILIARY CONSUMPTION OF GENERATING STNs. EXCLUDING BTPS	24.304
D) NET GENERATION AVAILABLE WITHIN DELHI(A+B-C)	623.622

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	0.000	0.000	0.000	0.000
SALAL	58.082	56.914	58.082	56.914
SASAN	277.098	269.679	275.712	268.332
TANKAPUR	6.877	6.721	6.858	6.704
CHAMERA	26.645	26.108	26.645	26.108
CHAMERA -II	27.670	27.112	27.670	27.112
CHAMERA -III	20.387	19.976	20.387	19.976
DHAULIGANGA	24.381	23.828	24.381	23.828
SEWA -2	7.045	6.902	7.045	6.902
URI	37.918	37.249	37.918	37.249
URI-II	21.520	21.138	21.520	21.138
KOLDAM	0.000	0.000	0.000	0.000
KOTESHWAR	10.688	10.447	10.688	10.447
PARBATI3	10.462	10.253	10.462	10.253
RAMPUR	0.000	0.000	0.000	0.000
MUNDRA_UMPP	0.000	0.000	0.000	0.000
ANTA (GAS)	0.829	0.806	0.528	0.514
ANTA (RLNG)	24.991	24.303	0.183	0.178
ANTA (LIQUID)	0.000	0.000	0.000	0.000
DADRI (GAS)	10.140	9.986	8.539	8.410
DADRI (RLNG)	43.963	43.296	0.581	0.573
DADRI (LIQUID)	0.000	0.000	0.000	0.000
AURAIYA (GAS)	2.194	2.140	1.137	1.109
AURAIYA (RLNG)	38.554	37.587	0.043	0.042
AURAIYA (LIQUID)	0.000	0.000	0.000	0.000
SINGRAULI	89.912	87.216	82.291	79.824
SINGRAULI_HYDRO	0.339	0.329	0.339	0.329
RIHAND -I	56.451	54.741	51.134	49.584
RIHAND -II	63.717	61.780	61.449	59.580
RIHAND -III	89.374	86.692	86.005	83.423
UNCHAHAAR-I	15.543	15.192	12.253	11.976
UNCHAHAAR-II	19.317	18.874	15.260	14.911
UNCHAHAAR-III	17.062	16.678	13.188	12.892
UNCHAHAAR-IV	0.000	0.000	0.000	0.000
DADRI (TH)	498.787	491.223	288.933	284.531
DADRI (TH) STAGE-II	493.127	485.644	384.249	378.426
NAPP	28.625	27.907	28.625	27.907
RAPP 'B'	0.000	0.000	0.000	0.000
RAPP 'C'	37.789	36.468	37.789	36.468
NATHPA JHAKRI	107.936	105.765	107.936	105.765
DULASTI	26.156	25.631	26.156	25.631
TEHRI	12.645	12.359	12.645	12.359
JHAJJAR	445.691	438.975	144.565	142.415

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
KHELGAON	31.518	31.019	26.323	25.907
KHELGAON-II	94.368	92.868	80.424	79.145
FARAKA	12.782	12.547	10.082	9.896
TALA	7.086	6.940	7.086	6.940
TALCHER	0.000	0.000	0.000	0.000
DVC	231.487	230.152	230.152	228.967
TUTICORIN - BRPL	22.587	22.301	22.301	22.191
MADHYA PRADESH	37.717	37.247	37.247	37.079
UTTAR PRADESH	0.808	0.796	0.796	0.793
BGTPP (ASSAM)	0.075	0.075	0.075	0.074
DB POWER (CHATTISHGARH)	0.035	0.035	0.035	0.035
JHABUA (MP)	0.050	0.050	0.050	0.050
MEGHALAYA	32.271	32.119	32.119	31.955
ANDHRA	112.731	111.577	111.577	111.007
KARNATAKA	0.495	0.488	0.488	0.485
MAHARASHTRA	0.189	0.187	0.187	0.186
METHON POWER(NDPL)LT-06	130.486	129.735	129.735	129.053
DVC MEJIA (LT-08)(BYPL)	57.917	57.583	57.583	57.285
Acme_RUMS	11.182	11.050	11.050	10.994
Arinsun_RUMS	10.979	10.849	10.849	10.794
Mahindra_RUMS	2.675	2.644	2.644	2.630
URS	0.403	0.401	0.403	0.401
JAMMU & KASHMIR	14.677	14.529	14.529	14.454
HIMACHAL PRADESH	516.405	508.627	508.627	506.053
ASSAM	0.081	0.080	0.080	0.079
GUJRAT	0.189	0.189	0.189	0.188
NAGALAND	0.251	0.250	0.250	0.249
HIMACHAL PRADESH LT-59 DVC	6.090	5.998	5.998	5.967
HARYANA (LT-05)	55.476	55.192	55.192	54.909
CHATTISHGARH	0.132	0.129	0.129	0.129
TAMILNAIDU	16.329	16.119	16.119	16.032
ORISSA MT-20 JITPL -DVC	5.716	5.655	5.655	5.626
BIHAR	0.200	0.199	0.199	0.198
MANIPUR	38.162	37.886	37.886	37.689
RAJASTHAN(SOLAR) BRPL-LT36	3.903	3.834	3.834	3.815
RAJASTHAN(SOLAR) BYPL - LT-35	3.810	3.743	3.743	3.724
RAJASTHAN(SOLAR) TPDDL LT-31	3.745	3.679	3.679	3.660
TO ORISSA	-2.257	-2.288	-2.288	-2.312
TO ANDHRA	-0.128	-0.129	-0.129	-0.131
TO UTTAR PRADESH	-0.175	-0.179	-0.179	-0.181
TO WEST BENGAL	-1.771	-1.786	-1.786	-1.803
TO ASSAM	-0.098	-0.099	-0.099	-0.101
TO VLCP 1800	-0.253	-0.259	-0.259	-0.261
TO KERALA	0.000	0.000	0.000	0.000
TO TAMILNAIDU	-0.235	-0.239	-0.239	-0.241
TO BIHAR	-0.049	-0.050	-0.050	-0.050
TO MAHARASHTRA	0.000	0.000	0.000	0.000
TO JHARKHAND	-0.079	-0.080	-0.080	-0.080
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)	80.232	79.790	80.232	79.790
TO POWER EXCHANGE (IEX)	-130.273	-131.576	-130.273	-131.576
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)	-30.541	-30.854	-30.541	-30.854
TO SHARE PROJECT (PUNJAB)	-30.670	-30.984	-30.670	-30.984
TOTAL	3998.631	3927.954	3202.150	3151.660

C) AGENCY WISE BREAKUP OF ENERGY SCHEDULED DRAWL 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	1464.301	1436.485	1006.113	986.300
NTPC - ER	138.668	136.435	116.829	114.949
NHPC	267.143	261.830	267.125	261.813
NPC	66.414	64.375	66.414	64.375
SASAN	277.098	269.679	275.712	268.332
KOTESHWAR	10.688	10.447	10.688	10.447
MUNDRA_UMPP	0.000	0.000	0.000	0.000
NATHPA JHAKRI	107.936	105.765	107.936	105.765
TEHRI	12.645	12.359	12.645	12.359
TALA	7.086	6.940	7.086	6.940
JHAJJAR	445.691	438.975	144.565	142.415
TALCHER	0.000	0.000	0.000	0.000
RAJASTHAN SOLAR(BRPL)T-36	3.903	3.834	3.834	3.815
RAJASTHAN SOLAR(BYPL)T-35	3.810	3.743	3.743	3.724
RAJASTHAN SOLAR(TPDDL)T-31	3.745	3.679	3.679	3.660
DVC	231.487	230.152	230.152	228.967
TUTICORIN BRPL	22.587	22.301	22.301	22.191
MADHYA PRADESH	37.717	37.247	37.247	37.079
UTTAR PRADESH	0.808	0.796	0.796	0.793
BGTPP (ASSAM)	0.075	0.075	0.075	0.074
DB POWER (CHATTISHGARH)	0.035	0.035	0.035	0.035
JHABUA (MP)	0.050	0.050	0.050	0.050
MEGHALAYA	32.271	32.119	32.119	31.955
ANDHRA	112.731	111.577	111.577	111.007
KARNATAKA	0.495	0.488	0.488	0.485
MAHARASHTRA	0.189	0.187	0.187	0.186
METHON POWER (NDPL)-LT-06	130.486	129.735	129.735	129.053
DVC MEJIA (LT-08)(BYPL)	57.917	57.583	57.583	57.285
Acme_RUMS	11.182	11.050	11.050	10.994
Arinsun_RUMS	10.979	10.849	10.849	10.794
Mahindra_RUMS	2.675	2.644	2.644	2.630
URS	0.403	0.401	0.403	0.401
JAMMU & KASHMIR	14.677	14.529	14.529	14.454
HIMACHAL PRADESH	516.405	508.627	508.627	506.053
ASSAM	0.081	0.080	0.080	0.079
GUJRAT	0.189	0.189	0.189	0.188
NAGALAND	0.251	0.250	0.250	0.249
HIMACHAL PRADESH LT-59 DVC	6.090	5.998	5.998	5.967
HARYANA (LT -05)	55.476	55.192	55.192	54.909
CHATTISHGARH	0.132	0.129	0.129	0.129
TAMILNAIDU	16.329	16.119	16.119	16.032
ORISSA MT-20 JITPL -DVC	5.716	5.655	5.655	5.626
BIHAR	0.200	0.199	0.199	0.198
MANIPUR	38.162	37.886	37.886	37.689
POWER EXCHANGE(IEX)	80.232	79.790	80.232	79.790
POWER EXCHANGE(PX)	0.000	0.000	0.000	0.000
TOTAL	4195.161	4126.477	3398.743	3350.235

D) AGENCY WISE BREAKUP OF ENERGY SCHEDULED BY NRLDC FOR EXPORT TO OTHER UTILITIES FROM DTL

NAME OF THE STATION	AVAILABILITY AT POWER PLANT	AVAILABILITY AT PERIPHERY	ALLOCATION MADE BY NRLDC AT POWER PLANT	ALLOCATION MADE BY NRLDC AT POWER PERIPHERY
TO ORISSA	-2.257	-2.288	-2.288	-2.312
TO ANDHRA	-0.128	-0.129	-0.129	-0.131
TO UTTAR PRADESH	-0.175	-0.179	-0.179	-0.181
TO WEST BENGAL	-1.771	-1.786	-1.786	-1.803
TO VLCP 1800 (RJ)	-0.253	-0.259	-0.259	-0.261
TO ASSAM	-0.098	-0.099	-0.099	-0.101
TO KERALA	0.000	0.000	0.000	0.000
TO TAMILNADU	-0.235	-0.239	-0.239	-0.241
TO BIHAR	-0.049	-0.050	-0.050	-0.050
TO MAHARASHTRA	0.000	0.000	0.000	0.000
TO JHARKHAND	-0.079	-0.080	-0.080	-0.080
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)	-130.273	-131.576	-130.273	-131.576
TO POWER EXCHANGE (PX)	0.000	0.000	0.000	0.000
TO SHARE PROJECT (HARYANA)	-30.541	-30.854	-30.541	-30.854
TO SHARE PROJECT (PUNJAB)	-30.670	-30.984	-30.670	-30.984
TOTAL	-196.530	-198.523	-196.594	-198.575
TOTAL SCHEDULED DRAWAL FROM THE GRID	3998.631	3927.954	3202.150	3151.660

TOTAL CONSUMPTION INCLUDING AUX. OF GENERATING STNs. EXCLUDING BTPS	3854.361
NET CONSUMPTION	3830.057
AVAILABILITY WITHIN DELHI	623.622
ACTUAL DRAWAL FROM THE GRID	3206.435
OVER DRAWAL(+) / UNDER DRAWAL(-) FROM THE GRID ON THE BASIS OF SCHEDULED ALLOCATION MADE BY NRLDC TO DELHI AT PERIPHERY	54.775
LOAD SHEDDING	2.573
UNRESTRICTED DEMAND (GROSS)	3856.934
UNRESTRICTED DEMAND (NET)	3832.630
MAX. NET CONSUMPTION	139.207 ON 11.06.2019
MAX. LOAD SHEDDING	532MW ON 14.06.2019 AT 13.30HRS.
PEAK LOAD	Peak Demand during the month
DAY PEAK	6904MW AT 15.34.28 HRS ON 12.06.2019
EVENING PEAK	3792MW AT 23.53.56HRS ON 11.06.2019
P.L.F. OF GENCO AND PRAGATI STNs.	RPH GT PRAGATI RITHALA BAWANA Timarpur Okhla EDWPCL DMSWL
	0.00% 34.89% 81.21% 0.00% 36.22% 125.63% 32.59% 74.97%

9 SHEDDING DETAILS DURING THE MONTH OF JUNE 2019.

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		NDPL	NDMC	TOTAL	BSES		NDPL	NDMC	MES
		BYPL	BRPL				BYPL	BRPL			
1	2	3	4	5	6	7=3 to 6	8	9	10	11	12
01.Jun.19	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
02.Jun.19	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000
03.Jun.19	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
04.Jun.19	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.000	0.000
05.Jun.19	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
06.Jun.19	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
07.Jun.19	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
08.Jun.19	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
09.Jun.19	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10.Jun.19	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11.Jun.19	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12.Jun.19	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
13.Jun.19	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14.Jun.19	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15.Jun.19	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
16.Jun.19	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17.Jun.19	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
18.Jun.19	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
19.Jun.19	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20.Jun.19	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
21.Jun.19	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22.Jun.19	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
23.Jun.19	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
24.Jun.19	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25.Jun.19	0	0.000	0.000	0.0001	0.000	0.000	0.000	0.000	0.000	0.000	0.000
26.Jun.19	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27.Jun.19	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
28.Jun.19	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
29.Jun.19	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30.Jun.19	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TOTAL	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.030	0.000	0.000

ALL FIGURES IN MUs

Date	Shedding due to Transmission/Grid Constraints in Central Sector Stations / TTC / ATC VIOLATION				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		NDPL	NDMC	BSES		TPDDL	BSES		TPDDL	NDMC		
	BYPL	BRPL			BYPL	BRPL		BYPL	BRPL				
	13	14	15	16	17	18	19	20	21	22	23	24=8 to 23	25=7+24
01.Jun.19	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.Jun.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010
03.Jun.19	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.Jun.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.020
05.Jun.19	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.Jun.19	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.Jun.19	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.Jun.19	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.Jun.19	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.Jun.19	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.Jun.19	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.Jun.19	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.Jun.19	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.Jun.19	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.Jun.19	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.Jun.19	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.Jun.19	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.Jun.19	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.Jun.19	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.Jun.19	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.Jun.19	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.Jun.19	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.Jun.19	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.Jun.19	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.Jun.19	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.Jun.19	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.Jun.19	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.Jun.19	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.Jun.19	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.Jun.19	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	0.030	0.030

ALL FIGURES IN MUₛ

Date	DUE TO T&D CONSTRAINTS IN DELHI SYSTEM								
	DTL					DISCOMS			
	BSES		NDPL	NDMC	MES	BSES		NDPL	NDMC
	BYPL	BRPL				BYPL	BRPL		
26	27	28	29	30	31	32	33	34	
01.Jun.19	0.000	0.008	0.000	0.000	0.000	0.000	0.075	0.001	0.000
02.Jun.19	0.000	0.000	0.000	0.000	0.000	0.000	0.011	0.000	0.000
03.Jun.19	0.000	0.000	0.000	0.000	0.000	0.000	0.062	0.002	0.000
04.Jun.19	0.000	0.000	0.014	0.000	0.000	0.000	0.033	0.0002	0.000
05.Jun.19	0.000	0.000	0.004	0.000	0.000	0.027	0.031	0.005	0.000
06.Jun.19	0.000	0.000	0.000	0.000	0.000	0.029	0.019	0.001	0.000
07.Jun.19	0.000	0.060	0.008	0.000	0.000	0.012	0.054	0.000	0.000
08.Jun.19	0.000	0.000	0.000	0.000	0.000	0.000	0.029	0.020	0.000
09.Jun.19	0.000	0.082	0.194	0.000	0.000	0.008	0.140	0.011	0.000
10.Jun.19	0.000	0.014	0.000	0.000	0.000	0.000	0.031	0.005	0.000
11.Jun.19	0.009	0.028	0.001	0.000	0.000	0.007	0.013	0.004	0.000
12.Jun.19	0.000	0.011	0.000	0.000	0.000	0.000	0.076	0.006	0.000
13.Jun.19	0.001	0.014	0.003	0.000	0.000	0.000	0.009	0.000	0.000
14.Jun.19	0.000	0.002	0.086	0.000	0.000	0.030	0.008	0.0002	0.000
15.Jun.19	0.000	0.000	0.000	0.000	0.000	0.000	0.024	0.0003	0.000
16.Jun.19	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000
17.Jun.19	0.000	0.000	0.000	0.000	0.000	0.026	0.002	0.001	0.000
18.Jun.19	0.000	0.000	0.003	0.000	0.000	0.010	0.002	0.018	0.000
19.Jun.19	0.031	0.091	0.000	0.000	0.000	0.011	0.023	0.000	0.000
20.Jun.19	0.000	0.007	0.008	0.000	0.000	0.003	0.002	0.011	0.000
21.Jun.19	0.000	0.047	0.003	0.000	0.000	0.003	0.004	0.009	0.000
22.Jun.19	0.003	0.000	0.000	0.000	0.000	0.007	0.013	0.000	0.000
23.Jun.19	0.001	0.040	0.001	0.004	0.000	0.0005	0.026	0.000	0.000
24.Jun.19	0.000	0.000	0.000	0.000	0.000	0.001	0.020	0.000	0.000
25.Jun.19	0.000	0.000	0.000	0.000	0.000	0.000	0.061	0.000	0.000
26.Jun.19	0.056	0.000	0.000	0.000	0.000	0.000	0.217	0.000	0.000
27.Jun.19	0.001	0.026	0.009	0.002	0.000	0.003	0.065	0.023	0.000
28.Jun.19	0.003	0.000	0.000	0.000	0.000	0.000	0.087	0.001	0.000
29.Jun.19	0.000	0.000	0.000	0.000	0.000	0.000	0.068	0.000	0.000
30.Jun.19	0.000	0.069	0.000	0.000	0.000	0.000	0.086	0.002	0.000
TOTAL	0.105	0.499	0.334	0.006	0.000	0.178	1.301	0.121	0.000

ALL FIGURES IN MU_s

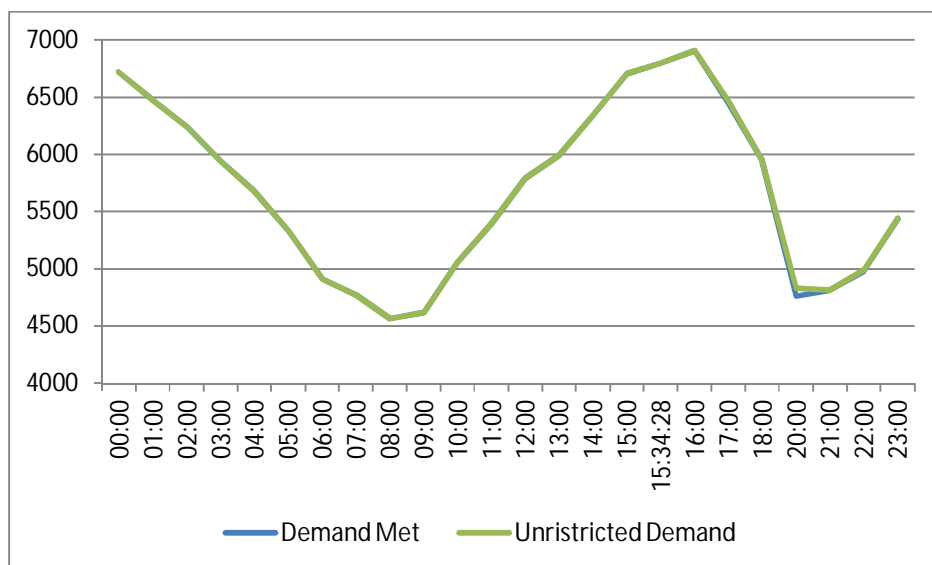
DATE	OTHER AGENCIES LIKE GENCO, BBMB, BTPS ETC.				THEFT PRONE SHEDDING			TOTAL SHEDDING DUE TO T&D CONSTS. & THEFT PRONE	GRAND TOTAL
	BSES		NDPL	NDMC	BSES		NDPL		
	BYPL	BRPL			BYPL	BRPL			
1	35	36	37	38	39	40	41	42= 26 to 41	43 = 25 + 42
01.Jun.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.084	0.084
02.Jun.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.011	0.021
03.Jun.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.064	0.064
04.Jun.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.047	0.067
05.Jun.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.067	0.067
06.Jun.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.049	0.049
07.Jun.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.134	0.134
08.Jun.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.049	0.049
09.Jun.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.435	0.435
10.Jun.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.050	0.050
11.Jun.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.062	0.062
12.Jun.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.093	0.093
13.Jun.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.027	0.027
14.Jun.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.126	0.126
15.Jun.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.024	0.024
16.Jun.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010
17.Jun.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.029	0.029
18.Jun.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.033	0.033
19.Jun.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.156	0.156
20.Jun.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.031	0.031
21.Jun.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.066	0.066
22.Jun.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.023	0.023
23.Jun.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.073	0.073
24.Jun.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.021	0.021
25.Jun.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.061	0.061
26.Jun.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.273	0.273
27.Jun.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.129	0.129
28.Jun.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.091	0.091
29.Jun.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.068	0.068
30.Jun.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.157	0.157
TOTAL	0.000	0.000	0.000	0.000	0.000	0.000	0.000	2.543	2.573

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.Jun.19	133.480	6462	15:40:10	0	6462	6462	15:40:10	6462	0
02.Jun.19	133.865	6560	23:31:30	0	6560	6560	23:31:30	6560	0
03.Jun.19	134.340	6612	15:21:40	0	6612	6612	15:21:40	6612	0
04.Jun.19	133.586	6580	15:30:28	0	6580	6580	15:30:28	6580	0
05.Jun.19	132.811	6502	23:23:16	5	6507	6507	23:23:16	6502	5
06.Jun.19	130.483	6658	15:06:13	3	6661	6661	15:06:13	6658	3
07.Jun.19	129.716	6475	23:15:44	0	6475	6475	23:15:44	6475	0
08.Jun.19	124.656	6387	00:00:52	0	6387	6387	00:00:52	6387	0
09.Jun.19	124.755	6442	23:41:26	0	6442	6442	23:41:26	6442	0
10.Jun.19	135.925	6686	23:23:15	0	6686	6690	23:30	6670	20
11.Jun.19	139.207	6792	23:53:56	0	6792	6792	23:53:56	6792	0
12.Jun.19	134.831	6904	15:34:28	0	6904	6904	15:34:28	6904	0
13.Jun.19	134.215	6804	15:15:14	70	6874	6874	15:15:14	6804	70
14.Jun.19	135.189	6571	15:39:42	0	6571	6571	15:39:42	6571	0
15.Jun.19	134.127	6560	15:02:39	0	6560	6560	15:02:39	6560	0
16.Jun.19	116.833	6415	00:00:50	0	6415	6415	00:00:50	6415	0
17.Jun.19	115.725	5920	00:00:01	0	5920	5920	00:00:01	5920	0
18.Jun.19	98.264	4991	00:01:58	0	4991	4991	00:01:58	4991	0
19.Jun.19	106.354	5266	15:27:08	0	5266	5266	15:27:08	5266	0
20.Jun.19	111.481	5692	23:23:34	0	5692	5692	23:23:34	5692	0
21.Jun.19	120.886	5950	23:09:53	0	5950	5950	23:09:53	5950	0
22.Jun.19	119.781	6175	23:42:41	0	6175	6175	23:42:41	6175	0
23.Jun.19	121.669	6131	00:01:08	0	6131	6131	00:01:08	6131	0
24.Jun.19	125.100	5957	15:35:14	0	5957	5957	15:35:14	5957	0
25.Jun.19	125.738	6443	23:03:39	0	6443	6443	23:03:39	6443	0
26.Jun.19	134.860	6632	15:22:22	0	6632	6632	15:22:22	6632	0
27.Jun.19	136.092	6540	15:45:42	0	6540	6540	15:45:42	6540	0
28.Jun.19	133.454	6622	23:21:17	0	6622	6622	23:21:17	6622	0
29.Jun.19	136.609	6769	23:30:35	0	6769	6769	23:30:35	6769	0
30.Jun.19	136.025	6683	23:21:36	0	6683	6683	23:21:36	6683	0
TOTAL	3830.057	6904 12.06.2019	15:34:28	0	6904 12.06.2019	6904	15:34:28	6904	0

10 **LOAD PATTERN OF DELHI ON THE DAY OF PEAK DEMAND MET DURING JUNE-2019 ON 12.06.2019- 6904MW AT 15.34.28HRS.**

All figures in MW

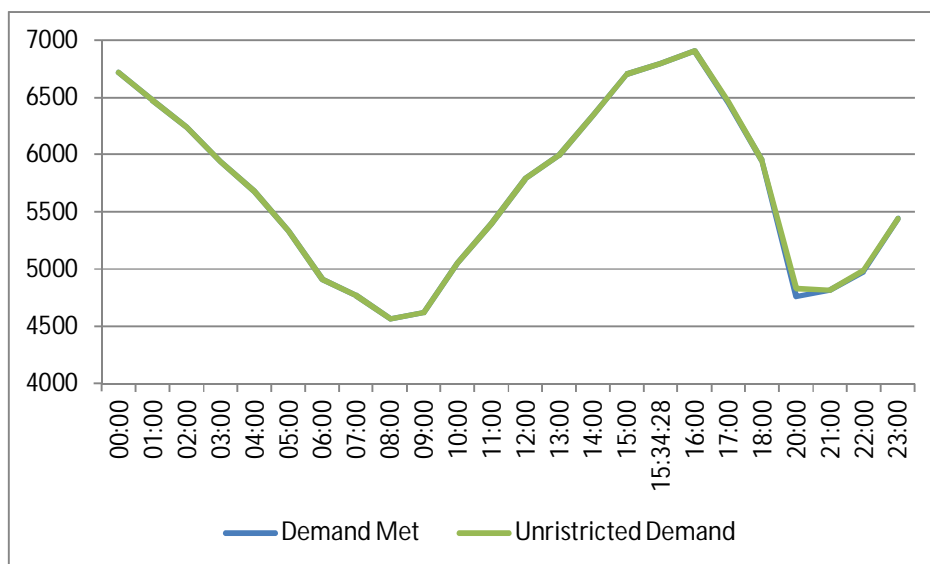
Hrs.	Demand	Load Shedding	Un-Restricted Demand
00:00	6719	0	6719
01:00	6474	0	6474
02:00	6242	0	6242
03:00	5942	0	5942
04:00	5681	0	5681
05:00	5334	0	5334
06:00	4912	0	4912
07:00	4769	0	4769
08:00	4562	0	4562
09:00	4618	0	4618
10:00	5054	0	5054
11:00	5399	0	5399
12:00	5788	0	5788
13:00	5990	0	5990
14:00	6347	0	6347
15:00	6706	0	6706
15:34:28	6904	0	6904
16:00	6795	0	6795
17:00	6456	11	6467
18:00	5949	0	5949
19:00	4760	69	4829
20:00	4813	0	4813
21:00	4981	10	4991
22:00	5439	0	5439
23:00	6045	0	6045
Total (IN MUS)	134.831	0.093	134.924



11 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UN-RESTRICTED DEMAND DURING JUNE 2019 ON 12.06.2019- 6904MW AT 15.34.28HRS.

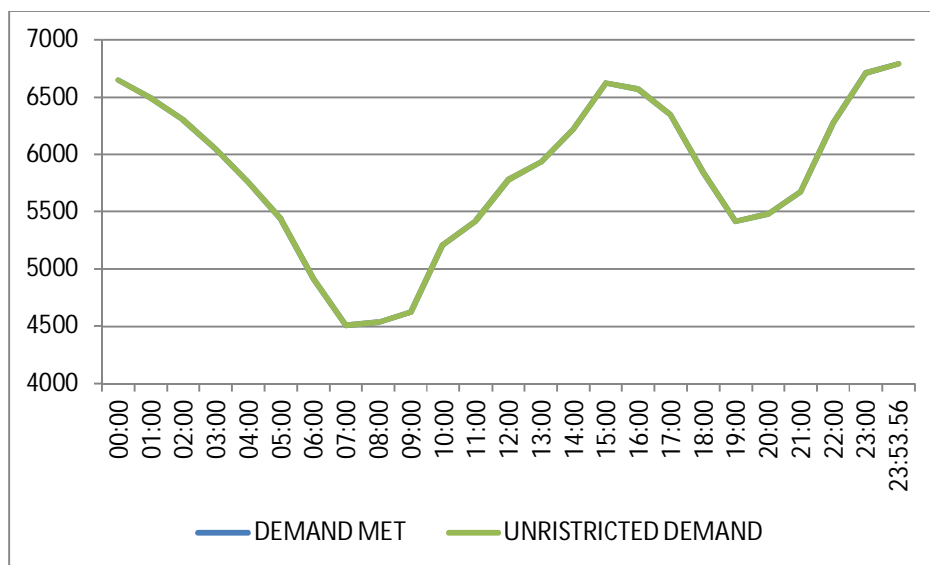
All figures in MW

Hrs.	Demand	Load Shedding	Un-Restricted Demand
00:00	6719	0	6719
01:00	6474	0	6474
02:00	6242	0	6242
03:00	5942	0	5942
04:00	5681	0	5681
05:00	5334	0	5334
06:00	4912	0	4912
07:00	4769	0	4769
08:00	4562	0	4562
09:00	4618	0	4618
10:00	5054	0	5054
11:00	5399	0	5399
12:00	5788	0	5788
13:00	5990	0	5990
14:00	6347	0	6347
15:00	6706	0	6706
15:34:28	6904	0	6904
16:00	6795	0	6795
17:00	6456	11	6467
18:00	5949	0	5949
19:00	4760	69	4829
20:00	4813	0	4813
21:00	4981	10	4991
22:00	5439	0	5439
23:00	6045	0	6045
Total (IN MUS)	134.831	0.093	134.924



**12 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM ENERGY CONSUMED
DURING JUNE 2019 – 11.06.2019 – 139.207Mus All figures in MW**

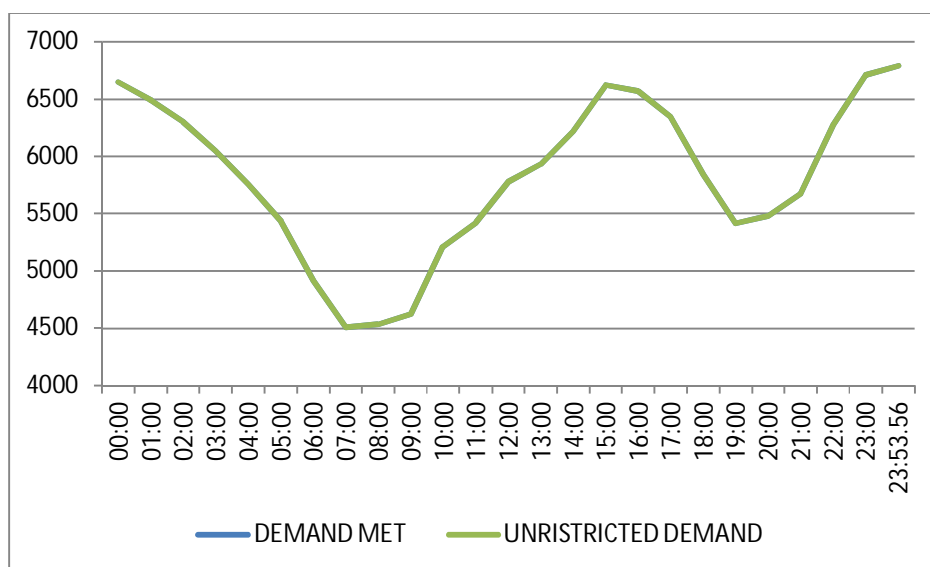
Hrs.	Demand	Load Shedding	Un-Restricted Demand
00:00	6647	0	6647
01:00	6493	0	6493
02:00	6300	0	6300
03:00	6048	0	6048
04:00	5756	0	5756
05:00	5431	0	5431
06:00	4913	0	4913
07:00	4510	0	4510
08:00	4536	0	4536
09:00	4620	0	4620
10:00	5213	0	5213
11:00	5419	0	5419
12:00	5781	0	5781
13:00	5932	0	5932
14:00	6222	0	6222
15:00	6621	0	6621
16:00	6568	4	6568
17:00	6347	9	6347
18:00	5838	0	5838
19:00	5418	0	5418
20:00	5478	0	5478
21:00	5676	0	5676
22:00	6273	0	6273
23:00	6709	0	6709
23.53.56	6792	0	6792
Total (IN MUS)	139.207	0.062	139.269



13 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UNRESTRICTED ENERGY DEMAND DURING JUNE 2019 – 11.06.2019 – 139.269 Mus

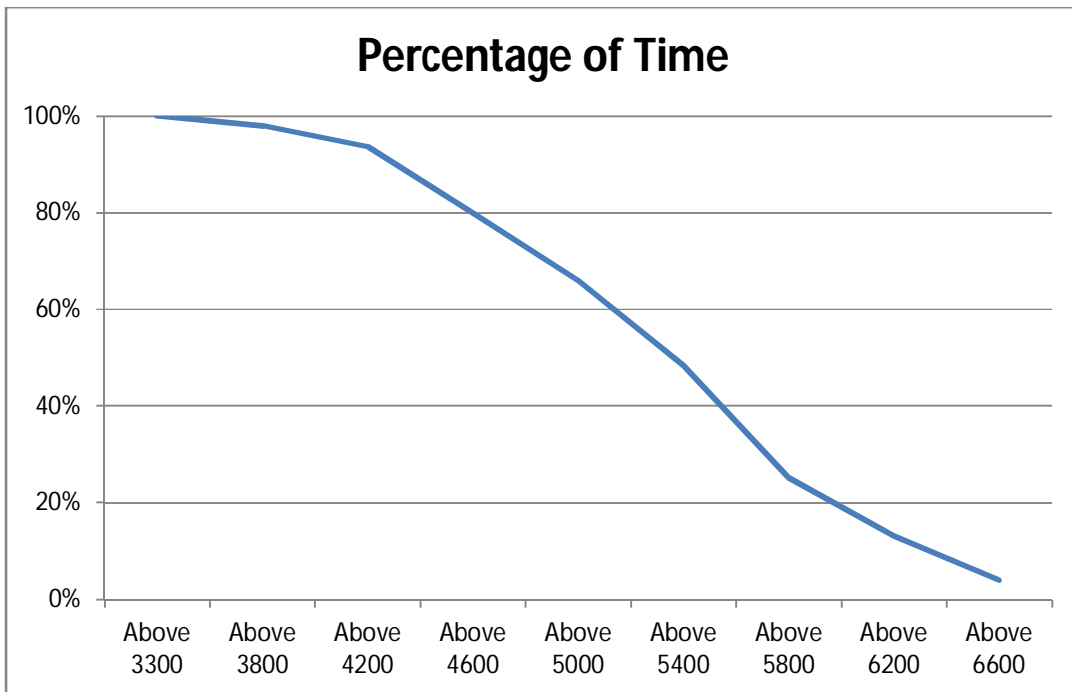
All figures in MW

Hrs.	Demand	Load Shedding	Un-Restricted Demand
00:00	6647	0	6647
01:00	6493	0	6493
02:00	6300	0	6300
03:00	6048	0	6048
04:00	5756	0	5756
05:00	5431	0	5431
06:00	4913	0	4913
07:00	4510	0	4510
08:00	4536	0	4536
09:00	4620	0	4620
10:00	5213	0	5213
11:00	5419	0	5419
12:00	5781	0	5781
13:00	5932	0	5932
14:00	6222	0	6222
15:00	6621	0	6621
16:00	6568	4	6568
17:00	6347	9	6347
18:00	5838	0	5838
19:00	5418	0	5418
20:00	5478	0	5478
21:00	5676	0	5676
22:00	6273	0	6273
23:00	6709	0	6709
23.53.56	6792	0	6792
Total (IN MUS)	139.207	0.062	139.269



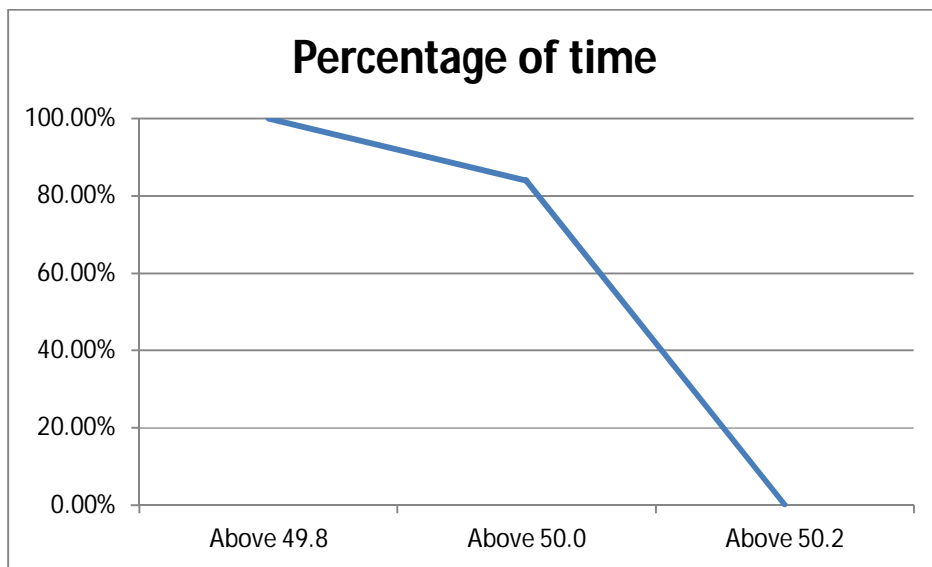
14 LOAD DURATION CURVE FOR JUNE 2019

Load in MW	Percentage of Time
Above 3300	100%
Above 3800	98.02%
Above 4200	93.68%
Above 4600	79.93%
Above 5000	65.90%
Above 5400	48.47%
Above 5800	25.15%
Above 6200	13.09%
Above 6600	3.99%



FREQUENCY ANALYSIS FOR THE MONTH OF JUNE 2019

Frequency Range in Hz.	Percentage of time
Above 49.8	99.93
Above 50.0	84.06
Above 50.2	1.35



16 VOLTAGE PROFILE OF 220 KV SUB-STATIONS IN DELHI DURING JUNE 2019

All figures in kV

Date	NARELA		GAZIPUR	
	Max	Min	Max	Min
01.Jun.19	228.79	216.66	232.53	217.82
02.Jun.19	228.14	214.6	232.14	217.57
03.Jun.19	227.88	215.76	231.37	218.34
04.Jun.19	230.46	216.53	233.3	217.95
05.Jun.19	227.63	217.7	231.49	219.63
06.Jun.19	228.27	217.57	231.49	220.92
07.Jun.19	229.3	217.7	231.75	216.92
08.Jun.19	228.27	216.28	231.49	218.21
09.Jun.19	229.43	217.7	234.07	218.21
10.Jun.19	228.53	214.6	231.37	214.73
11.Jun.19	227.5	216.53	230.21	217.18
12.Jun.19	231.11	217.18	236.65	215.37
13.Jun.19	230.21	216.02	231.37	0
14.Jun.19	228.01	217.57	231.75	218.98
15.Jun.19	230.21	218.98	233.04	218.98
16.Jun.19	231.49	218.98	235.23	220.27
17.Jun.19	230.46	219.89	233.17	222.08
18.Jun.19	233.3	222.08	237.3	222.08
19.Jun.19	230.72	221.44	233.3	221.44
20.Jun.19	229.95	219.63	233.69	223.76
21.Jun.19	227.24	218.6	230.46	221.05
22.Jun.19	227.88	217.7	232.66	221.18
23.Jun.19	229.3	217.7	233.04	221.18
24.Jun.19	228.92	219.11	232.01	223.37
25.Jun.19	227.24	219.24	231.75	217.82
26.Jun.19	228.14	217.7	230.21	215.76
27.Jun.19	228.53	215.63	230.21	214.34
28.Jun.19	228.01	217.95	229.3	216.92
29.Jun.19	227.5	215.63	230.08	216.28
30.Jun.19	229.17	216.41	231.24	217.95

17 VOLTAGE PROFILE OF 400 KV SUB-STATIONS IN DELHI DURING JUNE 2019

All figures in kV

Date	400kV Bamnauli Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01.Jun.19	413.87	07:40:33	389.25	23:12:36	400.45
02.Jun.19	413.63	07:52:17	387.84	22:26:30	402.72
03.Jun.19	409.65	06:46:52	388.08	22:28:14	399.61
04.Jun.19	412.7	05:01:05	388.08	14:23:46	401.27
05.Jun.19	411.29	08:01:09	390.89	23:07:02	401.63
06.Jun.19	411.52	07:43:33	395.81	00:30:23	403.19
07.Jun.19	410.12	04:01:17	387.84	23:04:30	400.51
08.Jun.19	411.29	07:32:41	390.19	23:07:04	401.2
09.Jun.19	413.4	08:00:46	388.54	23:35:28	403.39
10.Jun.19	409.88	06:26:59	386.43	23:12:02	398.93
11.Jun.19	410.82	08:02:57	388.54	23:16:07	400.23
12.Jun.19	419.03	19:00:50	386.43	14:13:20	401.96
13.Jun.19	413.17	08:03:54	386.67	22:17:26	399.94
14.Jun.19	411.06	08:02:47	390.19	22:32:20	399.95
15.Jun.19	414.57	08:03:01	392.76	00:05:30	402.91
16.Jun.19	416.92	09:18:26	393.94	00:18:14	406.06
17.Jun.19	411.52	07:34:10	395.11	00:09:58	405.91
18.Jun.19	420.67	03:38:14	393.7	14:20:45	404.54
19.Jun.19	413.17	07:03:08	394.41	22:42:50	402.88
20.Jun.19	410.82	07:02:11	393.7	22:52:54	401.33
21.Jun.19	407.54	04:03:05	389.72	12:34:37	399.23
22.Jun.19	410.35	08:02:50	388.78	23:36:33	399.87
23.Jun.19	413.17	08:02:34	388.54	00:07:43	401.59
24.Jun.19	408.71	08:01:20	388.54	22:35:31	400.26
25.Jun.19	407.77	18:06:14	389.25	22:38:05	399.13
26.Jun.19	414.57	08:02:36	388.08	22:24:59	400.43
27.Jun.19	411.29	07:07:30	383.15	14:31:11	399.44
28.Jun.19	409.18	08:00:25	386.9	14:55:25	399.48
29.Jun.19	411.06	08:00:57	386.67	14:13:58	399.1
30.Jun.19	413.17	08:03:11	386.9	22:38:04	400.19

All figures in kV

Date	400kV Bawana Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01.Jun.19	414.57	08:01:41	392.06	14:03:26	403.95
02.Jun.19	413.87	07:42:50	396.28	23:11:53	406.05
03.Jun.19	411.52	06:44:30	392.3	14:52:17	403.87
04.Jun.19	414.81	07:41:11	393.94	22:32:14	404.89
05.Jun.19	411.06	08:03:12	396.28	23:07:45	403.93
06.Jun.19	412.23	07:37:02	399.33	00:43:07	406.09
07.Jun.19	412.7	04:33:49	397.22	23:04:15	405.67
08.Jun.19	412.46	07:45:32	396.05	23:06:45	405.46
09.Jun.19	413.87	08:00:45	395.58	23:34:56	406.73
10.Jun.19	411.52	07:38:03	392.76	23:10:56	403.11
11.Jun.19	411.29	08:01:43	395.11	23:11:56	403.49
12.Jun.19	417.15	19:00:53	397.22	14:56:30	406.98
13.Jun.19	413.87	08:02:34	391.59	22:18:16	403.57
14.Jun.19	411.06	08:02:34	394.64	22:27:57	402.04
15.Jun.19	412.23	08:03:15	396.05	00:04:08	403.96
16.Jun.19	416.92	09:37:27	397.92	00:18:19	408.11
17.Jun.19	413.17	18:03:45	400.27	00:09:59	408.76
18.Jun.19	421.84	03:38:11	400.97	19:26:14	410.01
19.Jun.19	416.21	08:03:24	0	08:20:54	263.52
20.Jun.19	413.4	04:00:24	397.45	12:50:47	404.87
21.Jun.19	408.71	06:25:31	394.64	12:36:37	401.7
22.Jun.19	409.88	08:02:02	394.88	23:37:04	402.7
23.Jun.19	411.52	08:03:51	392.76	13:51:36	404.32
24.Jun.19	410.35	08:01:21	396.28	22:34:52	403.96
25.Jun.19	408.48	04:01:27	394.88	14:37:05	401.87
26.Jun.19	411.29	08:02:39	393.47	22:49:02	401.43
27.Jun.19	408.94	07:01:28	390.89	14:25:04	401.18
28.Jun.19	407.77	08:00:58	393.23	14:30:30	400.68
29.Jun.19	408.94	08:02:40	393.23	22:18:10	400.56
30.Jun.19	411.06	08:03:18	393.7	22:34:00	401.23

20 DETAILS OF BREAK-DOWNS DURING THE MONTH OF JUNE 2019

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
1	4.6.19	17:20	DSIIDC Bawana 220/66kV 100MVA Tx-II	4.6.19	17:57	TRIPPED ON E/F
2	5.6.19	13:25	PAPPANKALAN-II 66kV G-15 DWARKA CKT-I	5.6.19	17:35	FIRE IN CONTROL PANEL.
3	5.6.19	16:24	DSIIDC Bawana 220/66kV 100MVA Tx-III	5.6.19	18:11	TRIPPED ON DIFFERENTIAL
4	5.6.19	17:38	SHALIMAR BAGH 220/33kV 100MVA Tx-III	6.6.19	00:30	86
5	5.6.19	22:30	INDRAPRASTHA POWER 220/33kV 100MVA Tx-II	6.6.19	02:00	86
6	7.6.19	13:52	220KV GOPALPUR- MANDOLACKT-I	7.6.19	15:16	AT GOPALPUR R PHASE, E/F.
7	7.6.19	16:30	MASJID MOTH 220/33kV 100MVA Tx-I	7.6.19	17:50	O/C
8	7.6.19	16:30	MASJID MOTH 220/33kV 100MVA Tx-II	7.6.19	18:15	DIFFERENTIAL
9	7.6.19	16:30	MASJID MOTH 220/33kV 100MVA Tx-I	7.6.19	17:50	O/C
10	7.6.19	16:30	MASJID MOTH 220/33kV 100MVA Tr-III	7.6.19	16:55	86. O/C
11	8.6.19	21:50	220KV BAWANA-SHALIMARBAGH CKT-I	9.6.19	19:26	AT SHALIMARBAGH : DIST PROT, ZONE-I.
12	9.6.19	05:15	SHALIMAR BAGH 220/33kV 100MVA Tx-III	9.6.19	16:13	86
13	9.6.19	07:15	NARAINA 220/33kV 100MVA Tx-II	9.6.19	08:34	E/F
14	9.6.19	07:15	NARAINA 220/33kV 100MVA Tx-II	9.6.19	08:34	E/F
15	9.6.19	14:07	220KV MUNDKA-PEERAGARHI CKT-II	9.6.19	14:53	DIST PROT, ZONE-I, DIST 12.4KM.
16	9.6.19	14:10	220KV MUNDKA-NAJAFGARH CKT	9.6.19	18:01	DIST PROT ZONE-I, 186
17	9.6.19	16:28	220KV SHALIMARBAGH-WAZIRPUR CKT-I	9.6.19	17:22	DIST PROT, 86.
18	9.6.19	16:28	220KV MUNDKA-PEERAGARHI CKT-II	10.6.19	00:00	86
19	10.6.19	13:13	220KV BAWANA - KANJHAWALA CKT - 1	10.6.19	14:13	DIST PROT, DIST 5.94KM.
20	11.6.19	12:26	220KVBAWANA- ROHINI-2 CKT-II	11.6.19	18:55	AT ROHINI -II : 86
21	11.6.19	12:54	GOPALPUR 220/33kV 100MVA Tx-I	11.6.19	12:58	86
22	11.6.19	13:06	INDRAPRASTHA POWER 220/33kV 100MVA Tx-II	11.6.19	18:20	BUCHOLZ.
23	11.6.19	20:44	MEHRAULI 220/66kV 160MVA Tx-I	11.6.19	20:53	E/F, O/C
24	12.6.19	00:05	VASANT KUNJ 220/66kV 100MVA Tx-II	12.6.19	00:18	86, O/C
25	12.6.19	18:36	220KV BAMNAULI - DIAL CKT-II	12.6.19	22:43	AT BAMNAULI : DIST PROT, ZONE-I, DIST 3.02KM., B PHASE, FIRE REPORTED IN BAMNAULI YARD. AT DIAL : Y PHASE TRIPPED.
26	12.6.19	18:54	220KV MAHARANI BAGH - SARITA VIHAR CKT	12.6.19	20:03	AT MAHARANI BAGH : DIST PORT, ZONE-I, DIST 1.4KM. AT SARITA VIHAR : DIST PROT ZONE-II, DIST 9.277KM.
27	12.6.19	19:10	400KV Mundka-Jhatikara Ckt-II	14.6.19	23:18	AT MUNDKA : CKT MADE OFF MANUALLY AS DROPPER CLAMP ON Y PHASE LINE ISOLATOR OF THE CKT HAD DISLOGED
28	13.6.19	05:22	INDRAPRASTHA POWER 220/33kV 100MVA Tx-II	13.6.19	10:15	BUCHOLZ
29	14.6.19	12:00	VASANT KUNJ 220/66kV 160MVA Tx-I	14.6.19	13:00	TO ATTEND HOT POINT.
30	14.6.19	13:23	BAWANA 220/66kV 100MVA Tx	14.6.19	18:27	BUS BAR PROT. OPERATED.

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
31	14.6.19	18:40	PAPPANKALAN-II 66kV GURU GOVIND SINGH HOSPITAL CKT.-2	15.6.19	00:27	TRIPPED ON DIST. PROT., ZONE-I, 0.2KM, C PHASE.
32	14.6.19	19:45	INDRAPRASTHA POWER 33kV CONNAUGHT PLACE CKT (BAY-42)	14.6.19	23:10	TRIPPED ON 86.
33	15.6.19	05:40	MASJID MOTH 33 KV SIRIFORT	15.6.19	10:40	TRIPPED ON DIST. PROT., ZONE-I, CN PHASE.
34	15.6.19	05:50	OKHLA 66kV MALVIYA NAGAR CKT-I	15.6.19	07:35	TRIPPED ON DIST. PROT. ZONE-I, R PHASE, 3.9KM.
35	15.6.19	06:25	KANJHAWALA 66kV POOTHKHURD CKT	15.6.19	16:25	TRIPPED ON DIST. PROT., ZONE -I, B PHASE, E/F.
36	15.6.19	10:55	PATPARGANJ 33kV KARKADOOMA CKT-II	15.6.19	14:30	TRIPPED ON OC, R&B PHASE.
37	15.6.19	18:13	SHALIMAR BAGH 33kV S.G.T. NAGAR CKT	15.6.19	23:47	TRIPPED ON DIST. PROTECTION, ZONE-I, 3.36KM, Y PHASE,86.
38	15.6.19	18:27	WAZIRABAD 66kV SHASTRI PARK CKT-III	15.6.19	20:16	O/C,E/F, 86, A PHASE, 0.32KM.
39	17.6.19	11:25	PAPPANKALAN-I 66/11kV, 20MVA Tx-I	17.6.19	12:05	86
40	18.6.19	00:55	PAPPANKALAN-I 66/11kV, 20MVA Tx-II	18.6.19	01:29	OLTC, BUCHHLOZ
41	18.6.19	03:20	PAPPANKALAN-I 66/11kV, 20MVA Tx-II	18.6.19	08:57	OLTC BUZHLOZ
42	18.6.19	05:10	SUBZI MANDI 220/33kV 100MVA Tx-I	18.6.19	07:23	86, 186, SPR
43	19.6.19	11:54	220kV MAHARANIBAGH-TRAUMA CENTER CKT-I	9.7.19	17:20	At Maharani Bagh : R Phase, Y Phase, Zone-I, Line Differential, Line tripping. At Trauma Centre :86AB, Dist. Prot. Power swing block, Current Differential trip.
44	19.6.19	11:54	220kV MAHARANIBAGH -TRAUMA CENTER CKT-II	14.7.19	09:17	AT MAHARANI BAGH : DIST PROT, DIST 1.1KM, R PHASE, GEN TRIP. AT TRAUMA CENTER : DIFFERENTIAL, 86AB.
45	19.6.19	12:01	220kV MEHRAULI - VASANT KUNJ CKT. - I	19.6.19	16:03	AT MEHRAULI : DIST PROT, DIST 7.42KM.
46	19.6.19	12:04	220kV MAHARANIBAGH-MASJID MOTH CKT-I	5.7.19	15:20	At Maharani Bagh : Gen. trip, Zone-I, R phase. At Masjid Moth: No tripping
47	19.6.19	18:03	220kV PRAGATI - I.P.CKT - II	19.6.19	19:28	At Pragati : Dist. Protection, Zone-I. At I.P: No tripping
48	19.6.19	18:03	220kV PRAGATI - I.P.CKT - I	19.6.19	19:28	At Pragati : Dist. Protection, Zone-III. At I.P: No tripping
49	20.6.19	01:18	220kV MUNDKA-NAJAFGARH CKT	20.6.19	02:03	AT NAJAFGARH : DIST PROT, ZONE-I, 86.
50	20.6.19	10:36	220kV BAWANA - KANJHAWALA CKT-2	20.6.19	13:43	AT BAWANA : DIST PROT, ZONE-I, 86
51	20.6.19	11:21	220kV BAWANA-SHALIMARBAGH CKT-II	20.6.19	11:53	86
52	20.6.19	11:21	220kV BAWANA-SHALIMARBAGH CKT-I	206.19	11:53	86
53	21.6.19	05:20	PATPARGANJ 220/33kV 100MVA Tx-III	21.6.19	07:40	HOT POINT.
54	21.6.19	05:45	SUBZI MANDI 33/11kV, 16MVA Tx-I	21.6.19	07:55	86
55	21.6.19	17:27	220kV BAWANA-SHALIMARBAGH CKT-II	21.6.19	20:31	AT SHALIMARBAGH : DIFFERENTIAL. AT BAWANA : 86.
56	22.6.19	18:53	RAJGHAT 220/33kV 100MVA Tx-2	22.6.19	19:12	MONKEY ELECTROCUTION.
57	23.6.19	13:51	220kV PAPPANKALAN-III- PAPPANKALAN-I CKT-I	23.6.19	14:24	AT PAPPANKALAN-I : O/C, DIST PROT, DIST 8.5KM, E/F. AT PAPPANKALAN-III : DIST PROT, ZONE-I, DIST 0.3KM.
58	25.6.19	10:47	220kV PRAGATI - SARITA VIHAR CKT - I	25.6.19	12:40	AT SARITA VIHAR : DIST PROT, DIST 3.285KM. AT PRAGATI : DIST PROT, ZONE-II, DIST 11.92KM.
59	27.6.19	10:06	LODHI RD 220/33kV 100MVA Tx-II	27.6.19	12:40	86A
60	27.6.19	17:46	400kV Bawana-Mundka Ckt-II	27.6.19	18:39	DIST PROT, DIST 48.78KM., 86, 186.

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
61	29.6.19	15:40	OKHLA 66/11kV, 20MVA Tx-II	29.6.19	15:55	86
62	30.6.19	05:20	PATPARGANJ 220/66kV 100MVA Tx-II	30.6.19	06:05	E/F
63	30.6.19	05:20	400kV Dadri-Harsh Vihar Ckt-I	30.6.19	06:13	AT HARSH VIHAR : DIST PROT, ZONE-I, DIST 33.3KM.
64	30.6.19	12:44	220kV BAMNAULI-NAJAFGARH CKT-I	30.6.19	17:07	AT BAMNAULI : DIST PROT, ZONE-II, DIST 7.05KM.
65	30.6.19	14:24	220KVBAWANA- ROHINI-2 CKT-II	30.6.19	18:45	DIST PROT, ZONE-II, DIST 5.329KM.
66	30.6.19	14:25	220KV WAZIRABAD - MANDOLA CKT-I	30.6.19	15:16	AT MANDOLA : DIST PROT, ZONE -I, DIST 5.449KM.

20 DETAILS OF UNDER FREQUENCY RELAY OPERATIONS IN DELHI POWER SYSTEM DURING THE MONTH OF JUNE 2019

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