

DELHI TRANSCO LTD.

STATE LOAD DISPATCH CENTER

PROGRESS REPORT

APRIL 2017

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Sr. No.	Features	APR. 2016	APR 2017
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	705
	Rithala GT	108	108
	Bawana	1372	1372
	TOWMCL	16	16
	Total	2936	2936
2	Maximum Unrestricted Demand (MW)	4799	5688
	Date	19.04.16	21.04.17
	Time	15.41.26	15.46.26
3	Peak Demand met (MW)	4797	5685
	Date	19.04.16	21.04.17
	Time	15.41.26	15.46.26
4	Peak Availability (MW)	4754	5678
5	Shortage (-) / Surplus (+) in MW	(-)43	(-)7
6	Percentage Shortage (-) / Surplus (+)	(-) 0.90	0.12
7	Maximum Energy Consume in a day (Mus)	102.107	116.349
8	Energy Consumed during the month	2612.594	2777.856
9	Load Shedding in Mus		
A)	Due to Grid Restrictions		
i)	Under Frequency Relay Operations	0.000	.001
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	0.059	0.045
	BRPL	0.934	0.054
	BYPL	0.065	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	1.058	0.100
B)	Due to Constraints in System in Mus		
	DTL	0.245	0.565
	NDPL	0.100	0.095
	BRPL	1.113	1.005
	BYPL	0.077	0.080
	NDMC	0.000	0.000
	MES	0.000	0.000
	Other Agencies	0.016	0.048
	Total	1.551	1.793
11	Grand Total in Mus	2.609	1.893

2. PERFORMANCE OF GENERATING STATIONS WITHIN DELHI DURING APRIL 2017

A) For the month of April 2017

All Figures in MUs

S. No	Stations	Gross Generation	Aux. Consumption	Net Generation	Availability (%)	Backing Down
1.	RPH	0.000	0.290	-0.290	0.00	0.00
2.	GT	44.445	1.820	42.625	68.05	87.33
3.	PPCL	129.849	2.909	126.940	97.07	97.29
4.	BTPS	1.704	0.360	1.344	59.47	95.12
5.	Rithala	0.000	0.060	-0.060	89.17	59.04
6.	Bawana	193.247	9.217	184.030	76.00	548.00
7.	Towmcl	14.387	2.083	12.304	0.00	0.00
8.	EDWPCL	1.892	0.938	0.954	68.05	68.05
9.	DMSWL	13.768	2.249	11.519	97.07	97.07
	TOTAL	399.292	19.926	379.366	--	886.78

B) For the Year 2017-18 (Upto April 2017)

Power Station	Effective Capacity (MW)	Net Generation in MUs for Apr. 2017	Availability (%) for Apr 2017	PLF (%) for Apr 2017	Cumulative Generation in MUs upto Apr. 2017 for the year 2017-18	Cumulative Availability in % upto Apr. 2017 for the year 2017-18	Cumulative PLF in % upto Apr. 2017 for the year 2017-18
RPH	135	-0.290	0.00	--	-0.290	0.00	--
GT	270	42.625	68.05	21.74	42.625	68.05	21.74
PPCL	330	126.940	97.07	54.86	126.940	97.07	54.86
BTPS	705	1.344	59.47	38.34	1.344	59.47	38.34
Rithala	108	-0.060	89.17	--	-0.060	89.17	--
Bawana	1372	184.030	76.00	19.58	184.030	76.00	--
Towmcl	16	12.304	--	124.89	12.304	--	--
EDWPCL	--	0.954	--	21.90	0.954	--	--
DMSWL	--	11.519	--	79.68	11.519	--	--
TOTAL	2936	379.366	--	--	379.366	--	--

3 DETAILS OF OUTAGES OF GENERATING STNS. WITHIN DELHI W.E.F. APRIL 2017

RPH

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	67.5	08.05.15	13.40	--	--	Tripped on boiler tube leakage

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
2	67.5	21.05.15	10.20	--	--	Stopped due to shortage of coal

(B) Gas Turbine

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	30	30.4.17	07:00	30.4.17	19:15	Machine stopped to attend Lealakge of Cooling water from CW return line.
		30.4.17	19:15	30.4.17	23:59	After attending the cooling water leakage machine could not be taken on bar due no schedule from SLDC on CC NG.

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
2	30	4.4.17	00:04	20.4.17	16:50	Machine stopped due to low demand on CCNG from SLDC
		30.4.17	07:00	30.4.17	19:15	Machine stopped to attend Lealakge of Cooling water from CW return line.
		30.4.17	19:15	30.4.17	23:59	After attending the cooling water leakage machine could not be taken on bar due no schedule from SLDC.

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
3	30	4.4.17	23:58	30.4.17	07:00	Machine stopped due to low demand on CC Spot R-LNG from SLDC
		30.4.17	07:00	30.4.17	19:15	machine was not available due to non availability of cooling water as there was leakage from CW return line for which plant shut down was taken.
		30.4.17	19:15	30.4.17	23:59	Machine could not taken on load due to no schedule from SLDC on CC Spot R-LNG

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
4	30	4.4.17	23:58	30.4.17	07:00	Machine stopped due to low demand on CC Spot R-LNG from SLDC
		30.4.17	07:00	30.4.17	19:15	machine was not available due to non availability of cooling water as there was leakage from CW return line for which plant shut down was taken.
		30.4.17	19:15	30.4.17	23:59	Machine could not taken on load due to no schedule from SLDC on CC Spot R-LNG

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
5	30	4.4.17	00:00	25.4.17	18:57	machine taken to Hot Gas Path Inspection & Generator O/h since 25/03/2017
		25.4.17	19:57	30.4.17	07:00	Machine Cleared after synchronizing and running for one hour on 10 MW, 20MW and 30 MW
		30.4.17	07:00	30.4.17	19:15	machine was not available due to non availability of cooling water as there was leakage from CW return line for which plant shut down was taken.
		30.4.17	19:15	30.4.17	23:59	Machine could not taken on load due to no schedule from SLDC on CC Spot R-LNG

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
6	30	23.03.17	14:17	30.4.17	07:00	Machine stopped due to low schedule from SLDC on CC spot R-LNG.
		30.4.17	07:00	30.4.17	19:15	machine was not available due to non availability of cooling water as there was leakage from CW return line for which plant shut down was taken.
		30.4.17	19:15	30.4.17	23:59	Machine could not taken on load due to no schedule from SLDC on CC Spot R-LNG

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG -1	30	30.4.17	07:00	30.4.17	19:15	Machine stopped to attend Lealakge of Cooling water from CW return line.
		30.4.17	19:15	30.4.17	23:59	Machine could not taken on load due to no schedule from SLDC on CC Spot R-LNG

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG -2	30	1.4.17	11:39	1.4.17	19:25	Machine stopped to attend hot spot on R-Phase Line Isolator.
		4.4.17	00:00	30.4.17	07:00	Machine stopped due to low demand on CCNG from SLDC
		30.4.17	07:00	30.4.17	19:15	machine was not available due to non availability of cooling water as there was leakage from CW return line for which plant shut down was taken.
		30.4.17	19:15	30.4.17	23:59	Machine could not taken on load due to no schedule from SLDC on CC Spot R-LNG

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG -3	30	28.3.17	18:45	24.4.17	18:00	Machine taken for Chemical Cleaning of Condensor
		24.4.17	18:00	30.4.17	07:00	Chemical Cleaning of Condensor completed but machine did not taken on load due to no schedule on CC Spot R-Lng from SLDC
		30.4.17	07:00	30.4.17	19:15	machine was not available due to non availability of cooling water as there was leakage from CW return line for which plant shut down was taken.
		30.4.17	19:15	30.4.17	23:59	Machine could not taken on load due to no schedule from SLDC on CC Spot R-LNG

(C) PRAGATI

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	104	17.02.17	12:10	01.04.17	11:36	Unit tripped due to internal fault
		18.04.17	15:35	20.04.17	19:47	GT#2 swapped by GT#1 and started after getting schedule.
		27.04.17	00:39	30.04.17	23:59	Stopped due to low demand and high frequency

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
2	104	01.04.17	13:14	06.04.17	09:00	GT#2 swapped by GT#1
		06.04.17	09:00	06.04.17	19:00	GT#2 was unavailable for Planned Maintenance
		06.04.17	19:00	18.04.17	14:05	Stopped due to low demand and high frequency

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG	122	24.04.17	09:33	27.04.17	10:49	STG tripped on internal fault.

(D) BADARPUR THERMAL POWER STATION

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	95	01.04.15	00.00	30.04.17	23.59	Stopped due to low demand and high frequency

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
2	95	24.09.15	19.52	30.04.17	23.59	Stopped due to low demand and high frequency

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
3	95	09.10.15	01.00	30.04.17	23.59	Stopped due to low demand and high frequency

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
4	210	04.04.17	05.17	17.04.17	07.13	Stopped due to low demand and high frequency
		29.04.17	10.37	29.04.17	12.42	Generator protection

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
5	210	21.12.16	00.00	04.04.17	01.39	Stopped due to low demand and high frequency

(E) BAWANA CCGT POWER STATION

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	216	07.02.17	19.20	30.04.17	23.59	Stopped due to low demand and high frequency

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
2	216	08.12.16	06.35	30.04.17	23.59	Stopped due to low demand and high frequency

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG-1	254	07.02.17	19.24	30.04.17	23.59	Planned Shut down.

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
3	216	15.04.17	16.06	30.04.17	23.59	

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
4	216	01.04.17	11.25	30.04.17	23.59	

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG-2	254	01.04.17	00.00	30.04.17	23.59	

(F) RITHALA POWER STATION

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	31.8	19.03.13	17:32	30.04.17	23.59	Stopped due to low demand and high frequency

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
2	31.8	07.06.13	22:41	30.04.17	23.59	Stopped due to low demand and high frequency

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG	31.8	07.06.13	22:38	30.04.17	23.59	Stopped due to low demand and high frequency

ALLOCATION OF POWER TO DELHI

A)

Time block 00.00hrs. to 24.00hrs. @ 0% allocation from Unallocated Quota from 05.08.2016

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)
<u>NTPC STATIONS</u>							
Singrauli STPS	2000	300	150	130	0	0	130
Rihand-I	1000	150	100	87	0	0	87
Rihand Stage -II	1000	150	126	109	0	0	109
Rihand Stage -III	1000	150	132	115	0	0	115
ANTA GPS	419	63	44	41	0	0	41
Auriya GPS	663.36	99	72	67	0	0	67
Dadri GPS	829.78	129	91	85	0	0	85
Dadri NCTPS (Th)	840	0	756	657	0	0	657
Dadri NCTPS (Th) Stage-II	980	147	730	634	0	0	634
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
Koldam HEP	800	120	56	53	0	0	53
TOTAL	10582	1422	2357	2065	0	0	2065
<u>NHPC</u>							
Baira Suil HPS	180	0	20	19	0	0	19
Salal HPS	690	0	80	76	0	0	76
Tanakpur HEP	94	0	12	11	0	0	11
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	50	0	0	50
URI-II HEP	240	0	32	31	0	0	31
Sewa HEP	120	18	16	15	0	0	15
Dhauri 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
TOTAL	4065	272	479	455	0	0	455
<u>NPC</u>							
Narora APS	440	64	47	41	0	0	41
RAPP (C)	440	64	56	49	0	0	49
TOTAL	880	128	103	89	0	0	89
<u>SVJNL</u>							
Nathpa Jhakri HEP	1500	149	142	135	0	0	135
<u>THDC</u>							
Tehri Hydro	1000	99	63	60	0	0	60
Koteshwar HEP	400	40	39	37	0	0	37
TOTAL	1400	139	102	97	0	0	97
Total	18427	2110	3183	2842	0	0	2842
<u>Allocation from ER and Tala HEP</u>							
Farakka	1600	0	22	19	0	0	19
Kahalgaon	840	0	51	43	0	0	43
Talchar	1000	0	0	0	0	0	0
Tala HEP	1020	153	30	25	0	0	25
Kahalgaon-II	1500	0	157	131	0	0	131
Total ER	5960	153	261	217	0	0	217
<u>Joint Venture</u>							
Jhajjar TPS	1500	114	693	622	0	0	622
Ultra Mega Projects							
Sasan	3960	0	446	383	0	0	383
Grand Total	29847	2377	4582	4064	0	0	4064

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%)

**POWER AVAILABILITY-DEMAND POSITION AT THE TIME OF PEAK DEMAND
MET DURING APRIL 2017**

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	Rithal a	Bawana	Tow mcl	East Delhi	DMS WL	BTPS	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	15.06.47	0	120	139	0	253	12	0	16	153	693	3236	3121	115	3929	0	3929
2	22.54.40	0	128	147	0	251	16	0	17	176	735	3008	3010	-2	3743	0	3743
3	15.33.41	0	121	140	0	250	15	0	13	167	706	3546	3418	128	4252	0	4252
4	15.09.57	0	45	144	0	250	16	0	15	161	631	3342	3248	94	3973	0	3973
5	15.40.25	0	31	146	0	252	16	0	18	146	609	3384	3371	13	3993	0	3993
6	15.21.00	0	30	143	0	254	16	-1	13	162	617	3564	3646	-82	4181	0	4181
7	15.21.46	0	31	147	0	253	16	0	14	173	634	3378	3452	-74	4012	0	4012
8	19.28.19	0	33	152	0	253	16	0	20	169	643	3003	2954	49	3646	3	3649
9	19.40.42	0	33	152	0	250	16	-1	21	169	640	2676	2576	100	3316	0	3316
10	11.00.00	0	33	152	0	250	16	0	19	164	634	2984	3100	-116	3618	0	3618
11	16.20.00	0	30	144	0	249	16	0	19	164	622	3256	3236	20	3878	0	3878
12	15.17.05	0	29	142	0	251	13	0	18	168	621	3528	3377	151	4149	0	4149
13	15.31.12	0	30	142	0	252	13	0	16	167	620	3646	3647	-1	4266	6	4272
14	23.00.45	0	32	144	0	250	16	0	15	165	622	3579	3398	181	4201	0	4201
15	15.30.24	0	30	140	0	284	16	0	15	168	653	3663	3592	71	4316	5	4321
16	22.52.33	0	33	143	0	250	16	0	15	165	622	3809	3725	84	4431	35	4466
17	15.29.46	0	29	138	0	283	16	0	15	331	812	4078	3992	86	4890	13	4903
18	15.30.12	0	29	240	0	251	16	0	14	323	873	4174	4230	-56	5047	0	5047
19	15.44.35	0	28	142	0	250	16	0	15	340	791	4366	4239	127	5157	0	5157
20	15.44.29	0	29	141	0	278	16	4	17	349	834	4662	4551	111	5496	0	5496
21	15.46.26	0	75	259	0	250	16	6	17	327	950	4735	4742	-7	5685	3	5688
22	00.00.09	0	71	259	0	249	16	6	17	339	957	4500	4409	91	5457	3	5460
23	23.37.33	0	71	252	0	250	16	7	15	327	938	4096	4038	58	5034	0	5034
24	15.37.09	0	71	259	0	250	16	5	14	330	945	4160	4157	3	5105	3	5108
25	15.27.07	0	71	259	0	250	16	8	14	330	948	4085	4133	-48	5033	0	5033
26	15.36.33	0	71	261	0	251	16	8	16	338	961	4016	4094	-78	4977	0	4977
27	15.37.08	0	71	147	0	254	16	8	15	332	843	4062	4076	-14	4905	0	4905
28	15.25.59	0	71	146	0	253	16	9	16	326	837	4128	4157	-29	4965	0	4965
29	15.32.57	0	71	149	0	252	16	4	14	332	838	3743	3846	-103	4581	0	4581
30	00.19.53	0	71	155	0	250	16	4	16	331	843	3594	3523	71	4437	0	4437

POWER AVAILABILITY- DEMAND POSITION AT THE TIME OF MAXIMUM UNRESTRICTED DEMAND DURING APRIL 2017

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	Rithal a	Bawana	Towmcl	East Delhi	DMS WL	BTPS	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	15.06.47	0	120	139	0	253	12	0	16	153	693	3236	3121	115	3929	0	3929
2	22.54.40	0	128	147	0	251	16	0	17	176	735	3008	3010	-2	3743	0	3743
3	15.33.41	0	121	140	0	250	15	0	13	167	706	3546	3418	128	4252	0	4252
4	15.09.57	0	45	144	0	250	16	0	15	161	631	3342	3248	94	3973	0	3973
5	15.40.25	0	31	146	0	252	16	0	18	146	609	3384	3371	13	3993	0	3993
6	15.21.00	0	30	143	0	254	16	-1	13	162	617	3564	3646	-82	4181	0	4181
7	15.21.46	0	31	147	0	253	16	0	14	173	634	3378	3452	-74	4012	0	4012
8	19.28.19	0	33	152	0	253	16	0	20	169	643	3003	2954	49	3646	3	3649
9	19.40.42	0	33	152	0	250	16	-1	21	169	640	2676	2576	100	3316	0	3316
10	11.00.00	0	33	152	0	250	16	0	19	164	634	2984	3100	-116	3618	0	3618
11	16.20.00	0	30	144	0	249	16	0	19	164	622	3256	3236	20	3878	0	3878
12	15.17.05	0	29	142	0	251	13	0	18	168	621	3528	3377	151	4149	0	4149
13	15.31.12	0	30	142	0	252	13	0	16	167	620	3646	3647	-1	4266	6	4272
14	23.00.45	0	32	144	0	250	16	0	15	165	622	3579	3398	181	4201	0	4201
15	15.30.24	0	30	140	0	284	16	0	15	168	653	3663	3592	71	4316	5	4321
16	22.52.33	0	33	143	0	250	16	0	15	165	622	3809	3725	84	4431	35	4466
17	15.29.46	0	29	138	0	283	16	0	15	331	812	4078	3992	86	4890	13	4903
18	15.30.12	0	29	240	0	251	16	0	14	323	873	4174	4230	-56	5047	0	5047
19	15.44.35	0	28	142	0	250	16	0	15	340	791	4366	4239	127	5157	0	5157
20	15.44.29	0	29	141	0	278	16	4	17	349	834	4662	4551	111	5496	0	5496
21	15.46.26	0	75	259	0	250	16	6	17	327	950	4735	4742	-7	5685	3	5688
22	00.00.09	0	71	259	0	249	16	6	17	339	957	4500	4409	91	5457	3	5460
23	23.37.33	0	71	252	0	250	16	7	15	327	938	4096	4038	58	5034	0	5034
24	15.37.09	0	71	259	0	250	16	5	14	330	945	4160	4157	3	5105	3	5108
25	15.27.07	0	71	259	0	250	16	8	14	330	948	4085	4133	-48	5033	0	5033
26	15.36.33	0	71	261	0	251	16	8	16	338	961	4016	4094	-78	4977	0	4977
27	15.37.08	0	71	147	0	254	16	8	15	332	843	4062	4076	-14	4905	0	4905
28	15.25.59	0	71	146	0	253	16	9	16	326	837	4128	4157	-29	4965	0	4965
29	15.32.57	0	71	149	0	252	16	4	14	332	838	3743	3846	-103	4581	0	4581
30	00.19.53	0	71	155	0	250	16	4	16	331	843	3594	3523	71	4437	0	4437

SOURCEWISE SCHEDULED DRAWL FROM NORTHERN GRID AS WELL AS AVAILABILITY WITHIN DELHI FOR APRIL 2017

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

A (i) RPH	0.000
(ii) GT+STG	44.445
(iii) PRAGATI	129.849
(iv) RITHALA	0.000
(v) BAWANA CCGT	193.247
(vi) Timarpur ó Okhla	14.387
EDWPCL	1.892
DMSWL	13.768
TOTAL	397.588
B) AVAILABILITY FROM BTPS	172.090
C) AUXILIARY CONSUMPTION OF GENERATING STNs. EXCLUDING BTPS	19.566
D) NET GENERATION AVAILABLE WITHIN DELHI(A+B-C)	550.112

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	12.537	12.293	12.537	12.293
SALAL	41.925	41.130	41.925	41.130
SASAN	298.712	292.814	298.851	292.934
TANKAPUR	1.596	1.567	1.596	1.567
CHAMERA	24.810	24.331	24.810	24.331
CHAMERA -II	23.025	22.581	23.025	22.581
CHAMERA -III	13.886	13.631	13.886	13.631
DHAULIGANGA	9.597	9.418	9.597	9.418
SEWA -2	11.670	11.437	11.670	11.437
URI	37.031	36.304	37.031	36.304
URI-II	21.721	21.303	21.721	21.303
KOLDAM	0.000	0.000	0.000	0.000
KOTESHWAR	7.722	7.572	7.722	7.572
PARBATI3	5.595	5.488	5.595	5.488
RAMPUR	0.000	0.000	0.000	0.000
MUNDRA_UMPP	0.000	0.000	0.000	0.000
ANTA (GAS)	3.301	3.210	1.053	1.024
ANTA (RLNG)	0.000	0.000	0.000	0.000
ANTA (LIQUID)	24.303	23.856	0.000	0.000
DADRI (GAS)	17.550	17.179	9.813	9.606
DADRI (RLNG)	0.000	0.000	0.000	0.000
DADRI (LIQUID)	34.661	34.040	0.000	0.000
AURAIYA (GAS)	3.027	2.963	2.262	2.214
AURAIYA (RLNG)	0.000	0.000	0.000	0.000
AURAIYA (LIQUID)	41.827	40.970	0.000	0.000
SINGRAULI	85.512	83.824	83.112	81.463
RIHAND -I	66.305	65.001	62.619	61.399
RIHAND -II	42.984	42.131	40.887	40.078
RIHAND -III	86.436	84.713	80.600	78.989
UNCHA HAR-I	15.784	15.468	11.304	11.076
UNCHA HAR-II	32.569	31.926	23.381	22.916
UNCHA HAR-III	17.495	17.124	12.754	12.482
DADRI (TH)	528.120	517.698	327.766	321.379
DADRI (TH) STAGE-II	524.841	514.475	397.390	389.573
NAPP	27.998	27.461	27.948	27.412
RAPP 'B'	0.000	0.000	0.000	0.000
RAPP 'C'	21.498	21.097	21.498	21.097
NATHPA JHAKRI	57.927	56.871	43.214	42.426
DULASTI	30.743	30.164	30.743	30.164

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
TEHRI	10.307	10.106	10.307	10.106
JHAJJAR	470.251	461.009	93.242	91.416
KHELGAON	32.368	31.728	22.928	22.483
KHELGAON-II	102.591	100.580	80.763	79.198
FARAKA	8.620	8.456	5.889	5.781
TALA	5.198	5.093	5.196	5.091
TALCHER	0.000	0.000	0.000	0.000
DVC	220.787	218.919	218.919	214.780
HARYANA	0.000	0.000	0.000	0.000
CHATTISHGARH	0.000	0.000	0.000	0.000
MEGHALAYA	0.266	0.264	0.264	0.258
UTTRANCHAL	0.000	0.000	0.000	0.000
ASSAM	0.000	0.000	0.000	0.000
MADHYA PRADESH	0.000	0.000	0.000	0.000
METHON POWER(NDPL)LT-06	171.641	170.188	170.188	166.956
DVC MEJIA (LT-08)(BYPL)	74.097	73.473	73.473	72.021
URS	3.755	3.681	3.755	3.681
JAMMU & KASHMIR	9.012	8.950	8.950	8.774
HIMACHAL PRADESH	24.051	23.811	23.811	23.430
PUNJAB	0.000	0.000	0.000	0.000
UTTAR PRADESH	0.000	0.000	0.000	0.000
ORISSA	0.283	0.281	0.281	0.275
DVC LT-9	0.000	0.000	0.000	0.000
HARYANA (LT-05)	26.161	26.000	26.000	25.518
RAJASTHAN	0.000	0.000	0.000	0.000
NEPAL	0.000	0.000	0.000	0.000
RAJASTHAN(SOLAR) BRPL-LT36	4.104	4.025	4.025	3.945
RAJASTHAN(SOLAR) BYPL - LT-35	3.934	3.858	3.858	3.782
RAJASTHAN(SOLAR) TPDDL LT-31	3.824	3.751	3.751	3.677
TO JHARKHAND	-5.841	-5.903	-5.903	-6.061
TO ANDHRA	-66.902	-67.955	-67.955	-69.156
TO KERALA	0.000	0.000	0.000	0.000
TO MAHARASHTRA	-34.826	-35.529	-35.529	-36.245
TO UTTAR PRADESH	-7.214	-7.410	-7.410	-7.555
TO UTTRANCHAL	-6.556	-6.744	-6.744	-6.898
TO GOA	-5.790	-5.921	-5.921	-6.041
TO BIHAR	-14.151	-14.380	-14.380	-14.671
TO RAJASTHAN	0.000	0.000	0.000	0.000
TO NEPAL	-17.645	-17.764	-17.764	-18.122
BTPS TO MP	0.000	0.000	0.000	0.000
TO HIMACHAL PRADESH	0.000	0.000	0.000	0.000
TO HARYANA	0.000	0.000	0.000	0.000
POWER EXCHANGE(IEX)	102.687	99.892	102.687	99.892
TO POWER EXCHANGE (IEX)	-40.396	-41.203	-40.396	-41.203
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)	-17.645	-18.000	-17.645	-18.000
TO SHARE PROJECT (PUNJAB)	-17.645	-18.000	-17.645	-18.000
TOTAL	3212.036	3145.293	2307.301	2252.398

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	1524.716	1494.578	1052.941	1032.200
NTPC - ER	143.579	140.764	109.580	107.462
NHPC	234.136	229.647	234.136	229.647
NPC	49.497	48.558	49.446	48.509
SASAN	298.712	292.814	298.851	292.934
KOTESHWAR	7.722	7.572	7.722	7.572
MUNDRA_UMPP	0.000	0.000	0.000	0.000
NATHPA JHAKRI	57.927	56.871	43.214	42.426
TEHRI	10.307	10.106	10.307	10.106
TALA	5.198	5.093	5.196	5.091
JHAJJAR	470.251	461.009	93.242	91.416
TALCHER	0.000	0.000	0.000	0.000
RAJASTHAN SOLAR(BRPL)T-36	4.104	4.025	4.025	3.945
RAJASTHAN SOLAR(BYPL)T-35	3.934	3.858	3.858	3.782
RAJASTHAN SOLAR(TPDDL)T-31	3.824	3.751	3.751	3.677
DVC	220.787	218.919	218.919	214.780
HARYANA	0.000	0.000	0.000	0.000
CHATTISHGARH	0.000	0.000	0.000	0.000
MEGHALAYA	0.266	0.264	0.264	0.258
UTTRANCHAL	0.000	0.000	0.000	0.000
ASSAM	0.000	0.000	0.000	0.000
MADHYA PRADESH	0.000	0.000	0.000	0.000
METHON POWER (NDPL)-LT-06	171.641	170.188	170.188	166.956
DVC MEJIA (LT-08)(BYPL)	74.097	73.473	73.473	72.021
URS	3.755	3.681	3.755	3.681
JAMMU & KASHMIR	9.012	8.950	8.950	8.774
HIMACHAL PRADESH	24.051	23.811	23.811	23.430
PUNJAB	0.000	0.000	0.000	0.000
UTTAR PRADESH	0.000	0.000	0.000	0.000
ORISSA	0.283	0.281	0.281	0.275
DVC (FOR NDPL) LT-09	0.000	0.000	0.000	0.000
HARYANA (LT -05)	26.161	26.000	26.000	25.518
RAJASTHAN	0.000	0.000	0.000	0.000
NEPAL	0.000	0.000	0.000	0.000
POWER EXCHANGE(IEX)	102.687	99.892	102.687	99.892
POWER EXCHANGE(PX)	0.000	0.000	0.000	0.000
TOTAL	3446.646	3384.103	2544.594	2494.351

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 PERIPHERY
TO JHARKHAND	-5.841	-5.903	-5.903	-6.061
TO ANDHRA	-66.902	-67.955	-67.955	-69.156
TO KERALA	0.000	0.000	0.000	0.000
TO MAHARASHTRA	-34.826	-35.529	-35.529	-36.245
TO UTTRANCHAL	-6.556	-6.744	-6.744	-6.898
TO UTTAR PRADESH	-7.214	-7.410	-7.410	-7.555
TO GOA	-5.790	-5.921	-5.921	-6.041
TO BIHAR	-14.151	-14.380	-14.380	-14.671
TO RAJASTHAN	0.000	0.000	0.000	0.000
TO NEPAL	-17.645	-17.764	-17.764	-18.122
BTPS TO MP	0.000	0.000	0.000	0.000
TO HIMACHAL PRADESH	0.000	0.000	0.000	0.000
TO HARYANA	0.000	0.000	0.000	0.000
TO POWER EXCHANGE (IEX)	-40.396	-41.203	-40.396	-41.203
TO POWER EXCHANGE (PX)	0.000	0.000	0.000	0.000
TO SHARE PROJECT (HARYANA)	-17.645	-18.000	-17.645	-18.000
TO SHARE PROJECT (PUNJAB)	-17.645	-18.000	-17.645	-18.000
TOTAL	-234.610	-238.810	-237.293	-241.952
TOTAL SCHEDULED DRAWAL FROM THE GRID	3212.036	3145.293	2307.301	2252.398

TOTAL CONSUMPTION INCLUDING AUX. OF GENERATING STNs. EXCLUDING BTPS		2797.422
NET CONSUMPTION		2777.856
AVAILABILITY WITHIN DELHI		550.112
ACTUAL DRAWAL FROM THE GRID		2227.744
OVER DRAWAL(+)/UNDER DRAWAL(-) FROM THE GRID ON THE BASIS OF SCHEDULED ALLOCATION MADE BY NRLDC TO DELHI AT PERIPHERY		-24.654
LOAD SHEDDING		1.893
UNRESTRICTED DEMAND (GROSS)		2799.315
UNRESTRICTED DEMAND (NET)		2779.749
MAX. NET CONSUMPTION		116.349 ON 21.04.2017
MAX. LOAD SHEDDING		195MW ON 22.04.2017 AT 15.19HRS.
PEAK LOAD	Peak Demand during the month	SHEDDING AT PEAK TIME
DAY PEAK	5685MW AT 15.46.26HRS ON 21.04.2017	3 MW
EVENING PEAK	5573MW AT 23.00HRS ON 21.04.2017	3 MW
P.L.F. OF GENCO AND PRAGATI STNs.	RPH	00.00%
	GT	22.86%
	PRAGATI	54.65%
	RITHALA	00.00%
	BAWANA	19.58%
	Timarpur Okhla	124.89%
	EDWPCL	21.90%
	DMSWL	79.68%

DATE	No. of Under Freq. Relay Operated	Shedding due to under frequency relay operation in MUs					Shedding due to Grid Restrictions (Over drawal / low freq.)				
		BSES		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.Apr.17	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
02.Apr.17	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
03.Apr.17	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
04.Apr.17	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
05.Apr.17	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
06.Apr.17	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
07.Apr.17	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
08.Apr.17	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
09.Apr.17	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10.Apr.17	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11.Apr.17	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12.Apr.17	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
13.Apr.17	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14.Apr.17	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15.Apr.17	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
16.Apr.17	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17.Apr.17	0	0.000	0.000	0.000	0.000	0.000	0.000	0.009	0.045	0.000	0.000
18.Apr.17	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
19.Apr.17	1	0.001	0.000	0.000	0.000	0.001	0.000	0.032	0.000	0.000	0.000
20.Apr.17	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
21.Apr.17	0	0.000	0.000	0.000	0.000	0.000	0.000	0.013	0.000	0.000	0.000
22.Apr.17	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
23.Apr.17	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
24.Apr.17	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25.Apr.17	0	0.000	0.000	0.0001	0.000	0.000	0.000	0.000	0.000	0.000	0.000
26.Apr.17	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27.Apr.17	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
28.Apr.17	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
29.Apr.17	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30.Apr.17	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TOTAL	1	0.001	0.000	0.000	0.000	0.001	0.000	0.054	0.045	0.000	0.000

ALL FIGURES IN MUS

Date	Shedding due to Transmission/Grid Constraints in Central Sector Stations / TTC / ATC VOILATION				DUE TO NEW GRID CODE REGULATION DEVIATION			Shedding due to Transmission/Grid Constraints in Central sector stations				Total 24=8 to 23	Total shedding due to grid restrictions 25=7+24
	BSES		NDPL	NDMC	BSES		TPDDL	BSES		TPDDL	NDMC		
	BYPL	BRPL			BYPL	BRPL		BYPL	BRPL				
	13	14	15	16	17	18	19	20	21	22	23		
01.Apr.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
02.Apr.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
03.Apr.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
04.Apr.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
05.Apr.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
06.Apr.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
07.Apr.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
08.Apr.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
09.Apr.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10.Apr.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11.Apr.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12.Apr.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
13.Apr.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14.Apr.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15.Apr.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
16.Apr.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17.Apr.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.054	0.054
18.Apr.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
19.Apr.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.032	0.033
20.Apr.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
21.Apr.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.013	0.013
22.Apr.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
23.Apr.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
24.Apr.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25.Apr.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
26.Apr.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27.Apr.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
28.Apr.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
29.Apr.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30.Apr.17	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	0.099	0.100

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.Apr.17	0.005	0.000	0.004	0.000	0.000	0.000	0.006	0.000	0.000
02.Apr.17	0.000	0.007	0.000	0.000	0.000	0.004	0.014	0.000	0.000
03.Apr.17	0.000	0.000	0.003	0.000	0.000	0.000	0.000	0.003	0.000
04.Apr.17	0.024	0.007	0.000	0.000	0.000	0.000	0.022	0.000	0.000
05.Apr.17	0.000	0.025	0.001	0.000	0.000	0.000	0.046	0.007	0.000
06.Apr.17	0.000	0.000	0.019	0.000	0.000	0.000	0.000	0.000	0.000
07.Apr.17	0.000	0.017	0.000	0.000	0.000	0.000	0.013	0.008	0.000
08.Apr.17	0.000	0.000	0.017	0.000	0.000	0.000	0.002	0.002	0.000
09.Apr.17	0.028	0.000	0.000	0.000	0.000	0.005	0.001	0.000	0.000
10.Apr.17	0.000	0.000	0.000	0.000	0.000	0.006	0.012	0.002	0.000
11.Apr.17	0.000	0.000	0.000	0.000	0.000	0.000	0.008	0.001	0.000
12.Apr.17	0.000	0.000	0.000	0.000	0.000	0.003	0.020	0.000	0.000
13.Apr.17	0.000	0.013	0.004	0.000	0.000	0.000	0.108	0.003	0.000
14.Apr.17	0.001	0.000	0.002	0.000	0.000	0.000	0.003	0.004	0.000
15.Apr.17	0.012	0.000	0.049	0.000	0.000	0.001	0.047	0.002	0.000
16.Apr.17	0.000	0.073	0.000	0.000	0.000	0.000	0.042	0.004	0.000
17.Apr.17	0.001	0.001	0.021	0.000	0.000	0.000	0.043	0.003	0.000
18.Apr.17	0.000	0.000	0.000	0.000	0.000	0.000	0.042	0.000	0.000
19.Apr.17	0.0002	0.027	0.000	0.000	0.000	0.007	0.075	0.000	0.000
20.Apr.17	0.028	0.003	0.015	0.000	0.000	0.014	0.047	0.000	0.000
21.Apr.17	0.009	0.000	0.000	0.000	0.000	0.020	0.016	0.000	0.000
22.Apr.17	0.012	0.039	0.014	0.000	0.000	0.000	0.192	0.017	0.000
23.Apr.17	0.000	0.000	0.000	0.000	0.000	0.006	0.000	0.000	0.000
24.Apr.17	0.000	0.000	0.006	0.000	0.000	0.011	0.031	0.000	0.000
25.Apr.17	0.000	0.039	0.000	0.000	0.000	0.000	0.129	0.000	0.000
26.Apr.17	0.000	0.000	0.013	0.000	0.000	0.000	0.013	0.004	0.000
27.Apr.17	0.000	0.004	0.004	0.000	0.000	0.000	0.053	0.001	0.000
28.Apr.17	0.000	0.000	0.003	0.000	0.000	0.000	0.001	0.000	0.000
29.Apr.17	0.000	0.000	0.002	0.000	0.000	0.000	0.016	0.005	0.000
30.Apr.17	0.001	0.000	0.012	0.000	0.000	0.003	0.003	0.000	0.000
TOTAL	0.121	0.255	0.189	0.000	0.000	0.080	1.005	0.066	0.000

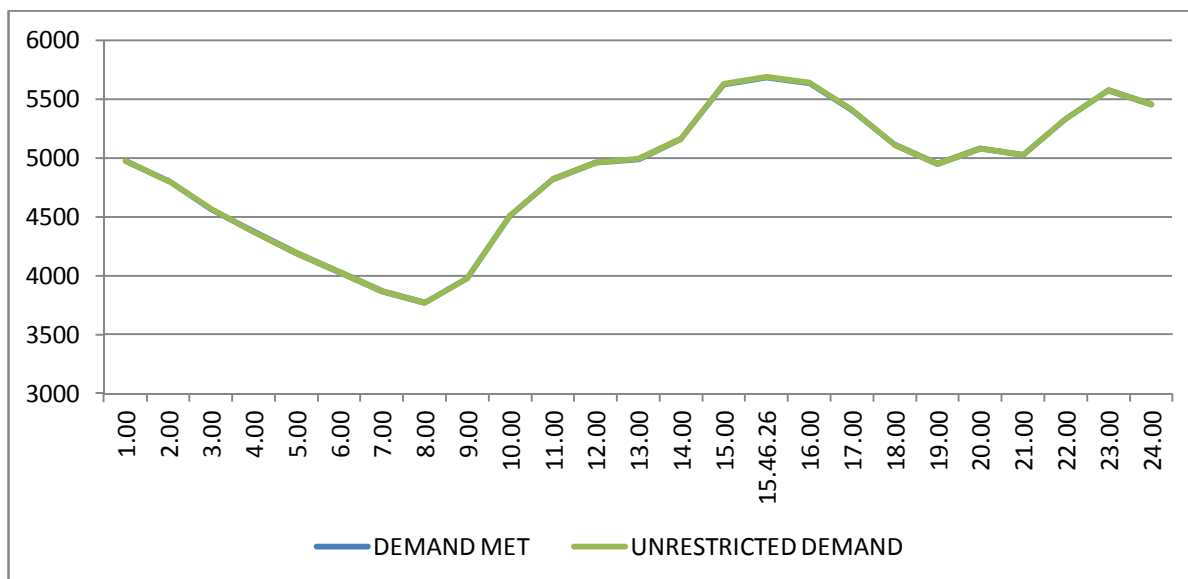
DATE	OTHER AGENCIES LIKE GENCO, BBMB, BTPS ETC.				THEFT PRONE SHEDDING			TOTAL SHEDDING DUE TO T&D CONSTS. & THEFT PRONE	GRAND TOTAL
	BSES		NDPL	NDMC	BSES		NDPL		
	BYPL	BRPL			BYPL	BRPL			
1	35	36	37	38	39	40	41	42= 26 to 41	43 = 25 + 42
01.Apr.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.015	0.015
02.Apr.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.025	0.025
03.Apr.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.006	0.006
04.Apr.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.053	0.053
05.Apr.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.079	0.079
06.Apr.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.019	0.019
07.Apr.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.038	0.038
08.Apr.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.021	0.021
09.Apr.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.034	0.034
10.Apr.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.020
11.Apr.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.009	0.009
12.Apr.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.023	0.023
13.Apr.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.128	0.128
14.Apr.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010
15.Apr.17	0.000	0.017	0.031	0.000	0.000	0.000	0.004	0.163	0.163
16.Apr.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.119	0.119
17.Apr.17	0.000	0.000	0.000	0.000	0.000	0.000	0.025	0.094	0.148
18.Apr.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.042	0.042
19.Apr.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.109	0.142
20.Apr.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.107	0.107
21.Apr.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.045	0.058
22.Apr.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.274	0.274
23.Apr.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.006	0.006
24.Apr.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.048	0.048
25.Apr.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.168	0.168
26.Apr.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.030	0.030
27.Apr.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.062	0.062
28.Apr.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.004
29.Apr.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.023	0.023
30.Apr.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.019	0.019
TOTAL	0.000	0.017	0.031	0.000	0.000	0.000	0.029	1.793	1.893

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.Apr.17	84.953	3929	15:06:47	0	3929	3929	15:06:47	3929	0
02.Apr.17	82.218	3743	22:54:40	0	3743	3743	22:54:40	3743	0
03.Apr.17	86.893	4252	15:33:41	0	4252	4252	15:33:41	4252	0
04.Apr.17	85.088	3973	15:09:57	0	3973	3973	15:09:57	3973	0
05.Apr.17	79.652	3993	15:40:25	0	3993	3993	15:40:25	3993	0
06.Apr.17	84.656	4181	15:21:00	0	4181	4181	15:21:00	4181	0
07.Apr.17	85.137	4012	15:21:46	0	4012	4012	15:21:46	4012	0
08.Apr.17	77.461	3646	19:28:19	3	3649	3649	19:28:19	3646	3
09.Apr.17	71.109	3316	19:40:42	0	3316	3316	19:40:42	3316	0
10.Apr.17	78.189	3618	11:00	0	3618	3618	11:00	3618	0
11.Apr.17	77.879	3878	16:20	0	3878	3878	16:20	3878	0
12.Apr.17	85.073	4149	15:17:05	0	4149	4149	15:17:05	4149	0
13.Apr.17	88.411	4266	15:31:12	6	4272	4272	15:31:12	4266	6
14.Apr.17	89.462	4201	23:00:45	0	4201	4201	23:00:45	4201	0
15.Apr.17	89.684	4316	15:30:24	5	4321	4321	15:30:24	4316	5
16.Apr.17	86.463	4431	22:52:33	35	4466	4508	23:00	4391	117
17.Apr.17	100.394	4890	15:29:46	13	4903	4903	15:29:46	4890	13
18.Apr.17	104.633	5047	15:30:12	0	5047	5047	15:30:12	5047	0
19.Apr.17	104.877	5157	15:44:35	0	5157	5157	15:44:35	5157	0
20.Apr.17	111.904	5496	15:44:29	0	5496	5496	15:44:29	5496	0
21.Apr.17	116.349	5685	15:46:26	3	5688	5688	15:46:26	5685	3
22.Apr.17	111.169	5457	00:00:09	3	5460	5460	00:00:09	5457	3
23.Apr.17	96.661	5034	23:37:33	0	5034	5034	23:37:33	5034	0
24.Apr.17	102.910	5105	15:37:09	3	5108	5108	15:37:09	5105	3
25.Apr.17	103.240	5033	15:27:07	0	5033	5033	15:27:07	5033	0
26.Apr.17	102.376	4977	15:36:33	0	4977	4977	15:36:33	4977	0
27.Apr.17	102.603	4905	15:37:08	0	4905	4905	15:37:08	4905	0
28.Apr.17	100.748	4965	15:25:59	0	4965	4965	15:25:59	4965	0
29.Apr.17	96.657	4581	15:32:57	0	4581	4581	15:32:57	4581	0
30.Apr.17	91.007	4437	00:19:53	0	4437	4437	00:19:53	4437	0
TOTAL	2777.856	5685 21.04.17	15:46:26	3	5688 21.04.17	5688	15:46:26	5685	3

10 **LOAD PATTERN OF DELHI ON THE DAY OF PEAK DEMAND MET DURING APRIL 2017 ON 21.04.2017- 5685MW AT 15.46.26HRS.**

All figures in MW

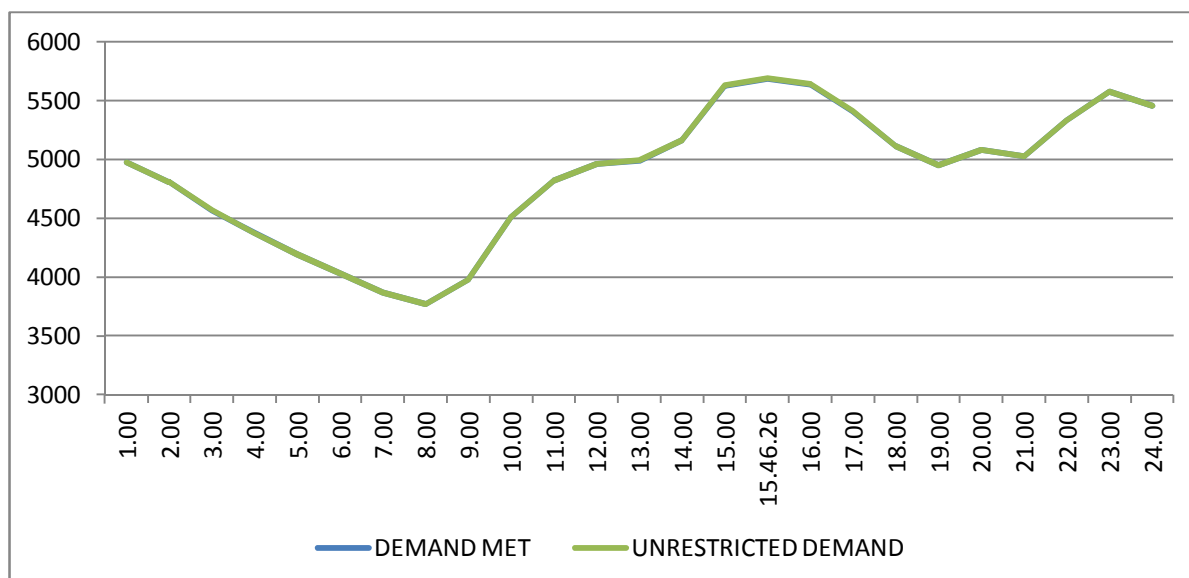
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	4974	0	4974
2.00	4807	0	4807
3.00	4564	3	4567
4.00	4374	0	4374
5.00	4192	0	4192
6.00	4030	0	4030
7.00	3869	0	3869
8.00	3770	0	3770
9.00	3978	0	3978
10.00	4509	0	4509
11.00	4820	2	4822
12.00	4959	3	4962
13.00	4988	3	4991
14.00	5161	3	5164
15.00	5624	3	5627
15.46.26	5685	3	5688
16.00	5637	3	5640
17.00	5406	4	5410
18.00	5115	0	5115
19.00	4949	0	4949
20.00	5080	0	5080
21.00	5025	0	5025
22.00	5331	0	5331
23.00	5573	3	5576
24.00	5453	3	5456
Total (IN MUS)	116.349	0.058	116.407



11 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UN-RESTRICTED DEMAND DURING APRIL 2017 ON 21.04.2017-5688MW AT 15.46.26HRS.

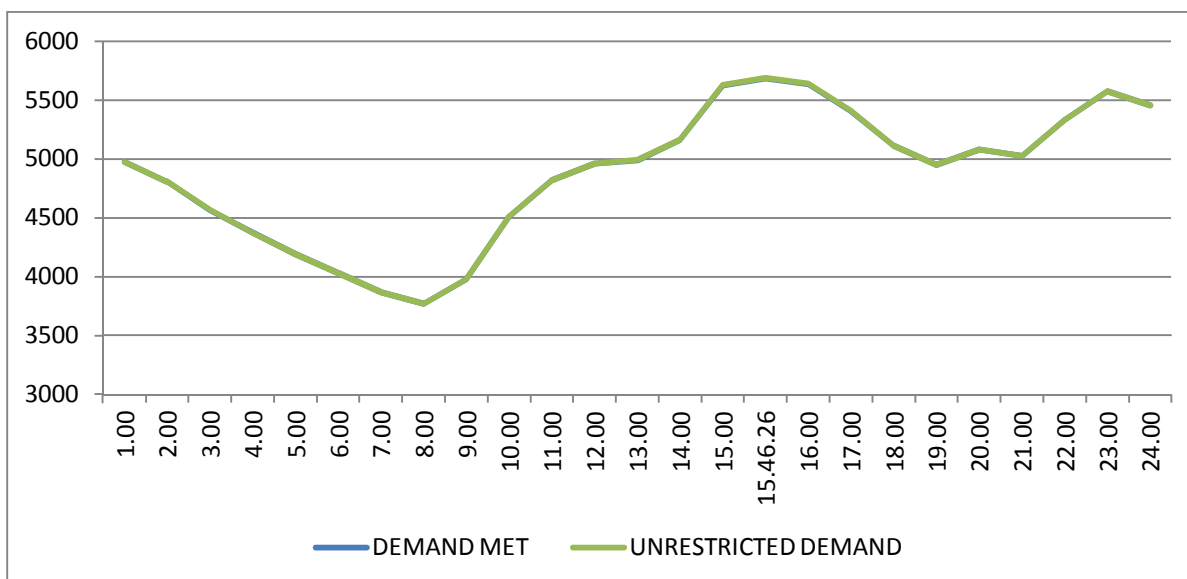
All figures in MW

Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	4974	0	4974
2.00	4807	0	4807
3.00	4564	3	4567
4.00	4374	0	4374
5.00	4192	0	4192
6.00	4030	0	4030
7.00	3869	0	3869
8.00	3770	0	3770
9.00	3978	0	3978
10.00	4509	0	4509
11.00	4820	2	4822
12.00	4959	3	4962
13.00	4988	3	4991
14.00	5161	3	5164
15.00	5624	3	5627
15.46.26	5685	3	5688
16.00	5637	3	5640
17.00	5406	4	5410
18.00	5115	0	5115
19.00	4949	0	4949
20.00	5080	0	5080
21.00	5025	0	5025
22.00	5331	0	5331
23.00	5573	3	5576
24.00	5453	3	5456
Total (IN MUS)	116.349	0.058	116.407



12 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM ENERGY CONSUMED DURING APRIL 2017 – 21.04.2017 – 116.349Mus All figures in MW

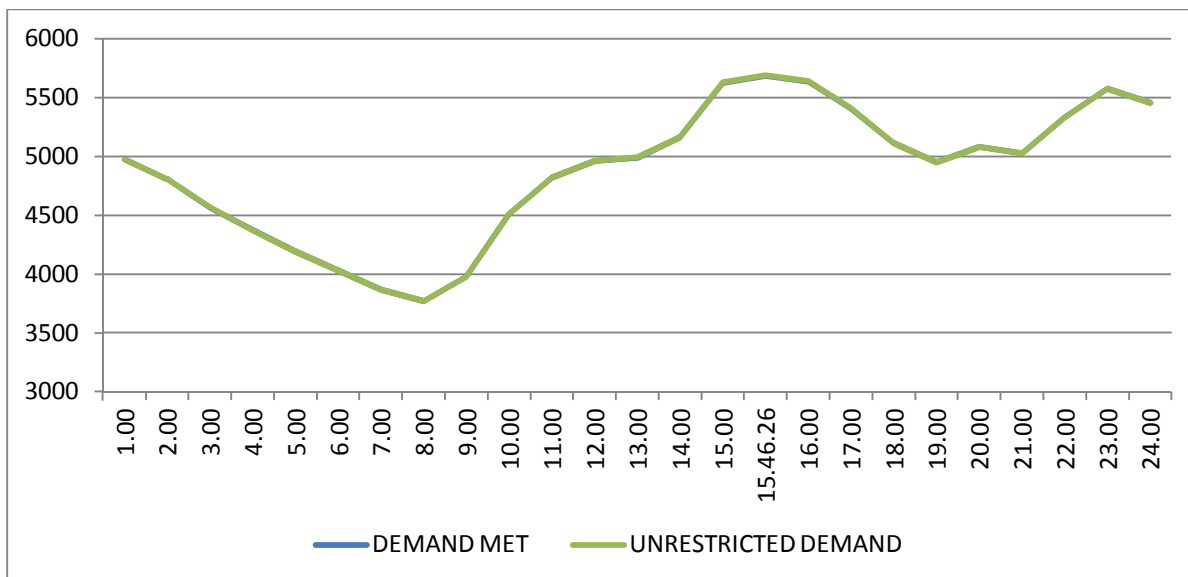
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	4974	0	4974
2.00	4807	0	4807
3.00	4564	3	4567
4.00	4374	0	4374
5.00	4192	0	4192
6.00	4030	0	4030
7.00	3869	0	3869
8.00	3770	0	3770
9.00	3978	0	3978
10.00	4509	0	4509
11.00	4820	2	4822
12.00	4959	3	4962
13.00	4988	3	4991
14.00	5161	3	5164
15.00	5624	3	5627
15.46.26	5685	3	5688
16.00	5637	3	5640
17.00	5406	4	5410
18.00	5115	0	5115
19.00	4949	0	4949
20.00	5080	0	5080
21.00	5025	0	5025
22.00	5331	0	5331
23.00	5573	3	5576
24.00	5453	3	5456
Total (IN MUS)	116.349	0.058	116.407



LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UNRESTRICTED ENERGY DEMAND DURING APRIL 2017 – 21.04.2017 – 116.407 Mus

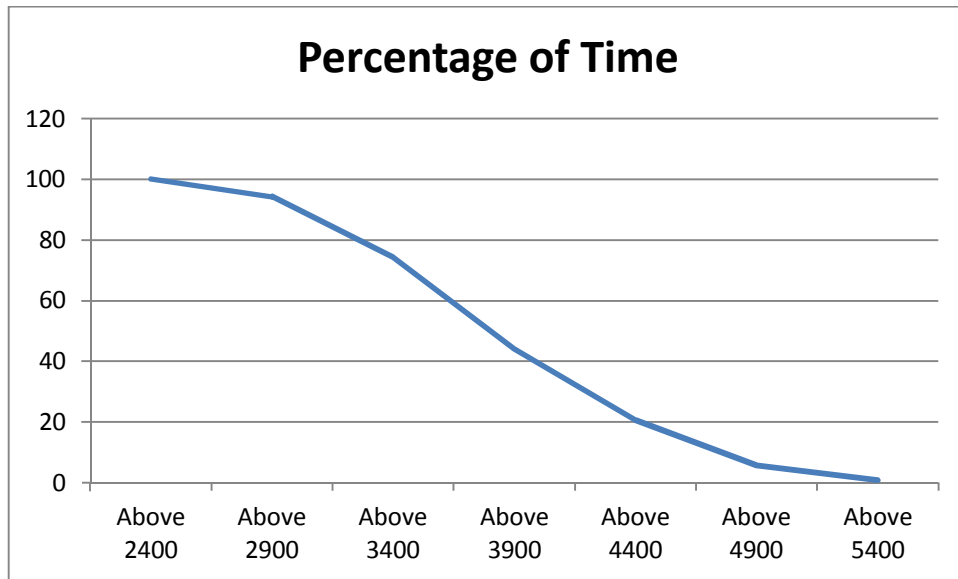
All figures in MW

Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	4974	0	4974
2.00	4807	0	4807
3.00	4564	3	4567
4.00	4374	0	4374
5.00	4192	0	4192
6.00	4030	0	4030
7.00	3869	0	3869
8.00	3770	0	3770
9.00	3978	0	3978
10.00	4509	0	4509
11.00	4820	2	4822
12.00	4959	3	4962
13.00	4988	3	4991
14.00	5161	3	5164
15.00	5624	3	5627
15.46.26	5685	3	5688
16.00	5637	3	5640
17.00	5406	4	5410
18.00	5115	0	5115
19.00	4949	0	4949
20.00	5080	0	5080
21.00	5025	0	5025
22.00	5331	0	5331
23.00	5573	3	5576
24.00	5453	3	5456
Total (IN MUS)	116.349	0.058	116.407



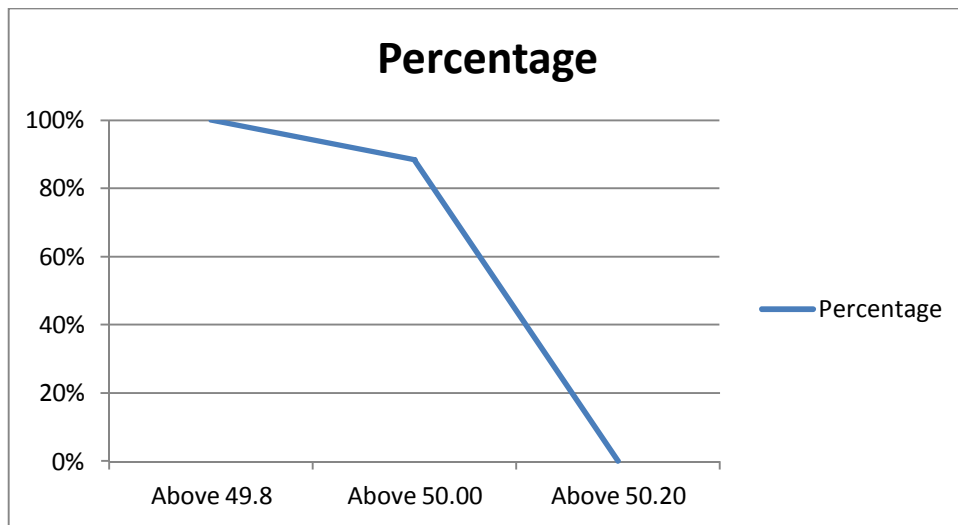
14 LOAD DURATION CURVE FOR APRIL 2017

Load in MW	Percentage of Time
Above 2400	100.00
Above 2900	94.20
Above 3400	74.31
Above 3900	44.20
Above 4400	20.80
Above 4900	5.76
Above 5400	0.80



FREQUENCY ANALYSIS FOR THE MONTH OF APRIL 2017

Frequency Range in Hz.	Percentage of time
Above 49.8	100
Above 50.00	81.46
Above 50.20	0.03



16 VOLTAGE PROFILE OF 220 KV SUB-STATIONS IN DELHI DURING APRIL 2017

All figures in kV

Date	NARELA		GAZIPUR	
	Max	Min	Max	Min
01.Apr.17	224.92	214.47	231.49	219.89
02.Apr.17	230.59	214.99	232.14	221.18
03.Apr.17	225.43	214.08	232.53	220.15
04.Apr.17	232.53	218.47	231.88	221.69
05.Apr.17	236.91	225.69	234.07	224.14
06.Apr.17	240.52	224.66	233.95	218.86
07.Apr.17	237.94	224.27	232.78	218.34
08.Apr.17	240.39	225.43	236.4	220.27
09.Apr.17	240.26	--	235.88	220.4
10.Apr.17	240.91	221.05	235.75	217.7
11.Apr.17	237.81	221.56	234.33	217.95
12.Apr.17	238.97	225.43	233.95	217.7
13.Apr.17	236.01	223.11	233.04	217.05
14.Apr.17	238.46	221.44	233.17	214.99
15.Apr.17	237.56	222.08	231.37	218.34
16.Apr.17	238.59	--	232.14	215.24
17.Apr.17	237.69	222.08	229.95	213.18
18.Apr.17	236.01	222.98	227.63	217.31
19.Apr.17	234.46	219.24	231.24	214.99
20.Apr.17	234.33	217.7	226.72	213.31
21.Apr.17	234.46	217.82	224.01	213.05
22.Apr.17	234.33	208.15	226.72	215.76
23.Apr.17	235.36	222.08	228.53	215.12
24.Apr.17	234.33	219.5	228.14	213.7
25.Apr.17	233.69	221.44	227.5	216.41
26.Apr.17	233.82	220.92	228.79	149.47
27.Apr.17	235.36	217.05	229.17	213.05
28.Apr.17	233.82	219.11	229.3	218.21
29.Apr.17	234.33	219.24	229.95	218.21
30.Apr.17	237.3	218.86	232.78	220.15

17 VOLTAGE PROFILE OF 400 KV SUB-STATIONS IN DELHI DURING APRIL 2017

All figures in kV

Date	400kV Bamnauli Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01.Apr.17	415.98	1:15:00	396.75	19:16:15	406.75
02.Apr.17	418.32	17:34:42	398.63	19:44:53	410.39
03.Apr.17	415.98	3:00:54	396.99	19:12:38	405.75
04.Apr.17	416.68	7:22:51	396.99	19:20:15	407.43
05.Apr.17	419.5	8:00:31	405.66	10:20:48	409.5
06.Apr.17	413.63	13:12:21	388.08	19:13:05	403.96
07.Apr.17	414.81	8:05:06	390.19	19:15:59	405.5
08.Apr.17	417.15	8:01:42	391.36	19:05:25	406.46
09.Apr.17	418.09	5:02:47	389.25	19:19:12	410.05
10.Apr.17	420.9	13:04:27	388.08	19:15:26	410.54
11.Apr.17	419.26	13:01:50	386.9	19:12:51	408.96
12.Apr.17	416.68	5:03:14	394.41	19:35:27	406.91
13.Apr.17	413.4	5:01:50	390.42	19:16:13	404.31
14.Apr.17	416.68	8:02:06	387.37	19:27:39	406.31
15.Apr.17	416.21	8:03:33	391.36	19:21:46	406.23
16.Apr.17	420.43	8:28:19	391.36	20:37:22	406.6
17.Apr.17	415.04	8:00:05	388.08	19:23:29	402.37
18.Apr.17	413.4	5:02:41	392.3	20:44:26	403.31
19.Apr.17	413.17	6:58:58	388.78	19:26:22	401.89
20.Apr.17	411.99	6:02:55	387.84	19:35:49	400.18
21.Apr.17	412.46	7:02:42	389.01	22:06:37	399.26
22.Apr.17	412.7	7:50:21	388.78	23:33:24	400.92
23.Apr.17	414.81	7:05:26	391.12	00:05:24	404.16
24.Apr.17	413.17	4:01:12	386.43	22:23:47	401.44
25.Apr.17	410.35	6:03:09	390.89	00:09:57	402.44
26.Apr.17	411.29	6:01:47	390.19	23:03:41	402.27
27.Apr.17	415.74	7:59:12	388.78	14:52:28	397.84
28.Apr.17	410.35	7:22:39	390.89	14:43:35	400.51
29.Apr.17	411.99	6:33:59	391.59	22:14:24	399.84
30.Apr.17	416.92	7:59:36	393.7	00:02:54	405.27

All figures in kV

Date	400kV Bawana Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01.Apr.17	421.37	1:12:01	403.79	19:14:19	413.19
02.Apr.17	422.78	17:31:26	404.49	19:45:27	415.92
03.Apr.17	421.84	3:23:52	402.61	19:13:22	412.41
04.Apr.17	421.61	3:10:07	404.25	19:22:38	414.08
05.Apr.17	425.59	8:00:54	411.52	19:09:30	418.38
06.Apr.17	422.08	1:26:16	397.92	19:13:18	416.78
07.Apr.17	422.55	8:04:03	398.63	19:16:18	414.31
08.Apr.17	426.53	8:03:12	400.27	19:05:37	415.99
09.Apr.17	426.53	8:04:59	399.33	19:17:17	419.32
10.Apr.17	427.7	13:04:12	393.94	19:15:41	417.88
11.Apr.17	426.53	13:01:23	394.64	19:16:43	415.14
12.Apr.17	421.84	13:06:22	399.57	19:10:49	412.75
13.Apr.17	419.26	13:06:38	396.05	19:16:44	410.63
14.Apr.17	420.67	5:04:57	393.94	19:27:28	411.91
15.Apr.17	419.73	8:04:36	397.45	19:21:49	411.64
16.Apr.17	425.59	9:01:03	398.16	20:37:36	411.63
17.Apr.17	420.2	8:02:47	394.41	19:29:14	408.32
18.Apr.17	418.09	13:04:36	397.92	20:43:54	408.8
19.Apr.17	416.92	6:57:54	394.88	19:24:18	406.82
20.Apr.17	416.21	6:03:11	394.64	22:08:36	405.57
21.Apr.17	415.98	7:04:43	394.41	22:08:11	404.45
22.Apr.17	418.09	8:04:19	397.92	0:20:10	406.98
23.Apr.17	420.43	7:06:06	399.1	22:36:40	410.22
24.Apr.17	418.32	7:01:46	393.94	22:34:19	407.88
25.Apr.17	416.68	13:03:33	397.22	0:04:33	409.18
26.Apr.17	415.98	6:43:41	397.22	23:04:40	407.9
27.Apr.17	420.2	8:05:43	397.92	0:14:52	404.82
28.Apr.17	414.57	6:53:01	398.39	23:32:16	406.56
29.Apr.17	416.21	7:07:32	398.16	0:05:10	406.28
30.Apr.17	422.78	7:59:45	400.27	19:38:30	411.68

18 DETAILS OF LUMPED CAPACITORS AT NEAREST 220 KV SUBSTATION

Sl. No	SUB-STATION	INSTALLED CAPACITY			
		66KV	33kV	11kV	TOTAL
1	IP YARD		30.00		30.00
1	Kamla Market			16.35	16.35
2	Minto Road				0.00
3	GB Pant Hosp			10.48	10.48
4	Delhi Gate			16.30	16.30
5	Tilakmarg			5.04	5.04
7	Cannaught Place			10.08	10.08
8	Kilokri		10.08	10.48	20.56
9	NDSE-II				0.00
11	Nizamuddin				0.00
12	Exhibition-I				0.00
13	Exhibition-II				0.00
14	Defence Colony				0.00
15	IG Stadium		10.08	5.45	15.53
16	Lajpat Nagar				0.00
17	IP Estate			10.90	10.90
		0.00	50.16	85.08	135.24
2	Electric Lane				
1	Electric Lane			5.04	5.04
2	Scindia House			10.44	10.44
3	Mandi House			10.80	10.80
4	Raisina Road			10.08	10.08
5	Raja Bazar			10.08	10.08
		0.00	0.00	46.44	46.44
3	RPH Station		20.00		20.00
1	Lahori Gate			10.49	10.49
2	Jama Masjid			10.48	10.48
4	Kamla Market				0.00
5	Minto Road			10.90	10.90
6	GB Pant Hosp				0.00
7	IG Stadium				0.00
		0.00	20.00	31.87	51.87
4	Parkstreet S/stn	20.00	20.00		40.00
1	Shastri Park		10.90	5.45	16.35
2	Faiz Road			18.05	18.05
3	Motia Khan			16.30	16.30
4	Prasad Nagar			16.25	16.25
5	Anand Parbat			10.80	10.80
6	Shankar Road			10.44	10.44
7	Rama Road			0.00	0.00
8	Baird Road			10.08	10.08
9	Hanuman Road			10.08	10.08
10	Pusa			5.44	5.44
11	Ridge Valley			0.00	0.00
12	B. D. Marg			5.40	5.40
13	Nirman Bhawan			5.04	5.04
		20.00	30.90	113.33	164.23
5	Naraina S/stn		20.00	5.04	25.04
1	DMS			10.85	10.85
2	Mayapuri		10.87	10.40	21.27
3	Inderpuri		13.26	5.04	18.30
4	Rewari line				0.00
5	Khyber Lane		10.05		10.05
6	Kirbi Place		10.05		10.05
7	Payal			10.08	10.08
8	A-21 Naraina			4.80	4.80

8	Saraswati Garden			10.08	10.08
		0.00	64.23	56.29	120.52

Sl. No	SUB-STATION	INSTALLED CAPACITY			
		66KV	33kV	11kV	TOTAL
6	Mehrauli S/stn	80.00		5.04	85.04
1	Adchini			14.61	14.61
2	Andheria Bagh			10.85	10.85
3	IIT			10.90	10.90
4	JNU		10.03	10.03	20.06
5	Bijwasan			15.47	15.47
6	DC Saket		10.08	9.98	20.06
7	Malviya Nagar				0.00
8	C Dot			10.48	10.48
9	Vasant kunj B-Blk	21.79		10.90	32.69
10	Vasant kunj C-Blk	20.16		10.48	30.64
11	Palam				0.00
12	IGNOU			5.04	5.04
13	R. K. Puram-I			10.07	10.07
14	Vasant Vihar			19.25	19.25
15	Pusp Vihar			10.44	10.44
16	Bhikaji Cama Place		10.08	10.07	20.15
		121.95	30.19	163.61	315.75
7	Vasantkunj S/stn	40.00		5.04	45.04
1	R. K. Puram-II			10.80	10.80
2	Vasant kunj C-Blk				0.00
3	Vasant kunj D-Blk			9.63	9.63
4	Ridge Valley				0.00
		40.00	0.00	25.47	65.47
8	Okhla S/stn	60.00	10.00	5.04	75.04
1	Balaji			10.80	10.80
2	East of Kailash			15.89	15.89
3	Alaknanda			16.30	16.30
4	Malviya Nagar	21.79	20.16	10.85	52.80
5	Masjid Moth			16.30	16.30
6	Nehru Place			21.34	21.34
7	Okhla Ph-I	21.79		16.30	38.09
8	Okhla Ph-II		20.93	15.47	36.40
9	Shivalik			10.80	10.80
10	Batra			15.90	15.90
11	VSNL			10.90	10.90
12	Siri Fort			10.49	10.49
13	Tuglakabad			10.85	10.85
		103.58	51.09	187.23	341.90
9	Lodhi Road S/stn			20.00	20.00
1	Defence Colony			14.85	14.85
2	Hudco			10.90	10.90
3	Lajpat Nagar			10.90	10.90
4	Nizamuddin			10.44	10.44
5	Vidyut Bhawan (Shahjahan Rd)			10.80	10.80
6	Ex. Gr. II			0.00	0.00
7	IHC			0.00	0.00
		0.00	0.00	77.89	77.89
10	Sarita Vihar S/stn	20.00		5.04	25.04
1	Sarita Vihar			10.07	10.07
2	MCIE			10.06	10.06
3	Mathura Road	20.16		11.69	31.85
4	Jamia Millia			10.89	10.89
5	Sarai Julena		10.08	16.29	26.37
6	Jasola			5.44	5.44
		40.16	10.08	69.48	119.72

Sl. No	SUB-STATION	INSTALLED CAPACITY			
		66KV	33kV	11kV	TOTAL
11	Wazirabad				
1	Bhagirathi		14.40	18.10	32.50
2	Ghonda	21.79	22.56	15.94	60.29
3	Seelam Pur		10.08	21.39	31.47
4	Dwarkapuri			15.46	15.46
5	Nandnagri	20.16		16.35	36.51
6	Yamuna Vihar			14.40	14.40
7	East of Loni Road			18.00	18.00
8	Shastri Park			10.90	10.90
9	Karawal Nagar			5.40	5.40
10	Sonia Vihar			14.70	14.70
		41.95	47.04	150.64	239.63
12	Geeta Colony				
1	Geeta Colony			10.49	10.49
2	Kanti Nagar			18.10	18.10
3	Kailash Nagar			15.48	15.48
4	Seelam Pur				0.00
5	Shakar Pur			10.80	10.80
		0.00	0.00	54.87	54.87
13	Gazipur S/stn	40.00		5.04	45.04
1	Dallupura	28.80		10.90	39.70
2	Vivek Vihar			9.57	9.57
3	GT Road			10.85	10.85
4	Kondli	20.16		10.85	31.01
5	MVR-I			10.90	10.90
6	MVR-II	20.16		10.44	30.60
7	PPG Ind. Area			10.06	10.06
		109.12	0.00	78.61	187.73
14	Patparganj S/stn	40.00	20.00	5.04	65.04
1	GH-I	19.89		10.45	30.34
2	GH-II	20.09		10.90	30.99
3	CBD		10.03	15.48	25.51
4	Guru Angad Nagar			15.49	15.49
5	Karkadooma		10.80	10.44	21.24
6	Preet Vihar			10.07	10.07
7	CBD-II			10.80	10.80
8	Shakarpur				0.00
9	Jhilmil			10.80	10.80
10	Dilshad Garden	20.16		16.35	36.51
11	Khichripur	21.79		15.89	37.68
12	Mother Dairy				0.00
13	Scope Building				0.00
14	Vivek Vihar				0.00
15	Akhardham			14.60	14.60
		121.93	40.83	146.31	309.07
15	Najafgarh S/stn	60.00		5.04	65.04
1	A4 Paschim Vihar			10.80	10.80
2	Nangloi	21.73		15.84	37.57
3	Nangloi W/W	20.89		10.85	31.74
4	Pankha Road			15.88	15.88
5	Jaffarpur			15.43	15.43
7	Inst. Area Janakpuri (Sagarpur)			17.60	17.60
8	Paschimpuri		10.05	15.47	25.52
9	Paschim Vihar	41.83		15.43	57.26
10	Mukherjee Park			20.83	20.83
11	Udyog Nagar			10.43	10.43
12	Choukhandi			10.07	10.07
13	DJB Najafgarh			21.60	21.60

		144.45	10.05	185.27	339.77
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Sl. No	SUB-STATION	INSTALLED CAPACITY			
		66KV	33kv	11kv	TOTAL
16	Pappankalan-I S/stn	20.00		5.04	25.04
1	Bindapur Grid G-3 PPK	21.73		15.85	37.58
2	Bodella-I	20.10		16.24	36.34
3	Bodella-II	21.73		17.64	39.37
4	DC Janakpuri			10.03	10.03
5	G-2 PPK (Nasirpur)			10.80	10.80
6	G-5 PPK (Matiala)			15.51	15.51
7	G-6 PPK			5.40	5.40
8	G-15 PPK			10.80	10.80
9	Harinagar	21.18		16.25	37.43
10	Rewari line			5.44	5.44
		104.74	0.00	129.00	233.74
17	BBMB Rohtak Road				
1	S.B. Mill			10.07	10.07
2	Rama Road			10.88	10.88
3	Ram Pura			10.48	10.48
4	Rohtak Road			10.08	10.08
5	Vishal			10.40	10.40
6	Madipur			10.43	10.43
7	Sudershan Park			10.08	10.08
8	Kirti Nagar			5.44	5.44
		0.00	0.00	77.86	77.86
18	Shalimarbagh S/stn		40.00	6.00	46.00
1	S.G.T. Nagar			5.44	5.44
2	Ashok Vihar			0.00	0.00
3	Haiderpur			11.39	11.39
4	SMB FC			12.64	12.64
5	Rani Bagh			5.44	5.44
6	SMB KHOSLA			5.44	5.44
		0.00	40.00	46.35	86.35
19	Subzimandi S/stn			6.00	6.00
1	Shakti Nagar			5.04	5.04
2	Gulabibagh			10.88	10.88
3	Shahzadabagh			15.79	15.79
4	DU			5.44	5.44
5	Tripolia			10.88	10.88
6	B. G. Road			5.40	5.40
		0.00	0.00	59.43	59.43
20	Narela S/stn	40.00		5.04	45.04
1	A-7 Narela			10.88	10.88
2	Azad Pur			5.44	5.44
3	Badli	20.00		5.95	25.95
4	DSIDC Narela-1			5.95	5.95
5	GTK			5.94	5.94
6	Jahangirpuri	20.00	10.00	0.00	30.00
7	Bhalswa			12.64	12.64
8	Pitampura-I	20.00		5.04	25.04
9	RG-1			5.44	5.44
		100.00	10.00	62.32	172.32

Sl. No	SUB-STATION	INSTALLED CAPACITY			
		66KV	33KV	11kV	TOTAL
21	Gopalpur S/stn		30.00	5.04	35.04
1	Hudson Lane			5.95	5.95
2	Wazirabad			7.20	7.20
3	Indra Vihar			5.95	5.95
4	DIFR			5.44	5.44
5	GTK Road			5.44	5.44
6	Jahangirpuri		10.00	5.95	15.95
7	Civil lines			7.20	7.20
8	Pitam Pura-3			5.44	5.44
9	SGT Nagar			5.95	5.95
10	Tiggipur			10.88	10.88
11	Model Town			14.40	14.40
12	Azad Pur			5.44	5.44
		0.00	40.00	90.28	130.28
22	Rohini S/stn	40.00		6.00	46.00
1	Rohini Sec-22			18.08	18.08
2	Rohini Sec-24			5.44	5.44
3	Rohini-3			5.95	5.95
4	Rohini-4			11.39	11.39
5	Rohini-5			11.39	11.39
6	Rohini-6			0.00	0.00
7	Mangolpuri-2	20.00		7.20	27.20
8	Pitam Pura-1			5.44	5.44
9	Pitam Pura-2			10.48	10.48
10	Rohini DC-1			14.40	14.40
11	AIR Kham pur			11.90	11.90
		60.00	0.00	107.67	167.67
23	Kanjhawala S/stn	20.00		5.04	25.04
1	Bawana Clear Water			14.30	14.30
2	Pooth Khoord	20.00		5.44	25.44
4	Rohini -2			13.15	13.15
		40.00	0.00	37.93	77.93
24	BAWANA S/stn				
1	Bawana S/stn No. 6			10.88	10.88
2	Bawana S/stn No. 7			7.20	7.20
		0.00	0.00	18.08	18.08
25	Kashmeregata S/stn			5.04	5.04
1	Civil lines			7.20	7.20
2	Town Hall			8.64	8.64
3	Fountain			5.45	5.45
		0.00	0.00	26.33	26.33
26	Pappankalan-II				
1	DMRC				0.00
2	HASTAL			21.60	21.60
3	GGSH			10.80	10.80
		0.00	0.00	32.40	32.40
27	Trauma Center (AIIMS)				
1	AIIMS		13.26	5.04	18.30
2	Trauma Center			10.08	10.08
3	Netaji Nagar			15.12	15.12
4	Sanjay Camp			10.08	10.08
5	Kidwai Nagar			10.08	10.08
6	SJ Airport			5.04	5.04
7	Race Course			10.44	10.44
		0.00	13.26	65.88	79.14

Sl. No	SUB-STATION	INSTALLED CAPACITY			
		66KV	33kV	11kV	TOTAL
28	MUNDKA				
1	Mangolpuri-I			20.35	20.35
2	Rohini Sec-23	20.00		12.64	32.64
3	66kV Mundka			21.60	21.60
		20.00	0.00	54.59	74.59
29	DSIDC BAWANA				
1	DSIDC NRL-1	20.00			20.00
2	DSIDC NRL-2			16.32	16.32
3	Bawana Clear Water			7.30	7.30
4	Bawana-1			14.40	14.40
		20.00	0.00	38.02	58.02
30	RIDGE VALLEY				
1	Keventry Diary			10.08	10.08
2	Nehru Park			5.04	5.04
3	State Guest House			5.40	5.40
4	Bapu Dham			15.48	15.48
		0.00	0.00	36.00	36.00
31	IP EXTN (PRAGATI)				
1	Vidyut Bhawan			10.08	10.08
2	Dalhousie Road			5.04	5.04
3	National Archives			10.08	10.08
4	School Lane			10.44	10.44
		0.00	0.00	35.64	35.64
32	Wazirpur				
1	Tri Nagar			10.88	10.88
2	Wazirpur-1			17.18	17.18
3	Wazirpur-2			13.20	13.20
4	Ashok vihar			17.80	17.80
5	Azad Pur			5.44	5.44
6	GTK			4.80	4.80
		0.00	0.00	69.30	69.30
33	Peeragarhi				
1	Rani Bagh			5.44	5.44
2	Rani Bagh cc			9.60	9.60
		0.00	0.00	15.04	15.04
34	Rohini-II				
1	Rohini-6			13.15	13.15
		0.00	0.00	13.15	13.15

Utility	HT	LT	Total
BYPL	901.18	102.00	1003.18
BRPL	1264.49	242.00	1506.49
TPDDL	820.34	119.00	939.34
NDMC	253.74	24.00	277.74
DTL	753.52	0.00	753.52
IPGCL (RPH)	20.00	0.00	20.00
MES	20.10	0.00	20.10
TOTAL	4033.37	487.00	4520.37

20 DETAILS OF BREAK-DOWNS DURING THE MONTH OF APRIL 2017

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
1	1.4.17	03:15	RAJGHAT 220/33kV 100MVA Tx-I	1.4.17	03:55	TR. TRIPPED ON BUCHHOLZ.
2	1.4.17	10:08	GAZIPUR 66/11kV, 20MVA Tx-II	1.4.17	17:35	TR. TRIPPED ON DIFFERENTIAL.
3	1.4.17	12:08	220kV BAWANA - KANJHAWALA CKT-2	1.4.17	18:54	AT KHANJAWALA CKT. TRIPPED ON RYB PHASE, 86. AT BAWANA CKT. DID NOT TRTPPED.
4	1.4.17	12:08	220kV BAWANA - KANJHAWALA CKT - 1	1.4.17	15:01	AT BAWANA CKT. TRIPPED ON O/C, 86, DIST PROT ,ZONE-I.
5	1.4.17	15:55	SARITA VIHAR 66/11kV, 20MVA Tx-I	1.4.17	16:30	TR. TRIPPED ON 86.
6	2.4.17	14:10	220kV SARITA VIHAR - BTPS CKT.-I	2.4.17	17:52	AT BTPS CKT. TRIPPED ON DIST PROT. DIST 0.5KM.
7	2.4.17	15:35	MEHRAULI 220/66kV 160MVA Tx-I	2.4.17	16:05	TR. TRIPPED ON O/C, E/F.
8	3.4.17	21:40	ROHINI 220/66kV 100MVA Tx-II	3.4.17	21:55	66KV I/C-2 TRIPPED WITHOUT INDICATION.
9	3.4.17	21:40	ROHINI 220/66kV 100MVA Tx-I	3.4.17	21:55	66KV I/C-I TRIPPED WITHOUT INDICATION.
10	3.4.17	22:00	NARELA 220/66kV 100MVA Tx-II	3.4.17	22:13	TR. TRIPPED ON 86.
11	4.4.17	11:20	220kV Harsh Vihar - Preet Vihar Ckt-I	5.4.17	11:20	AT PREET VIHAR CKT. TRIPPED ON BUS BAR PROT.
12	4.4.17	11:20	PREETVIHAR 220/33kV 100MVA Tx-I	5.4.17	11:20	TR. TRIPPED ALONGWITH 200KV PREET VIHAR - HARSH VIHAR CKT. -I.
13	4.4.17	12:17	220kV BAWANA - KANJHAWALA CKT-2	4.4.17	15:03	AT BAWANA CKT. TRIPPED ON DIST PROT, ZONE-I, DIST 2.30KM.
14	4.4.17	12:32	220KV WAZIRABAD - MANDOLA CKT-IV	4.4.17	13:04	AT WAZIRABAD CKT. TRIPPED ON DIST PROT, ZONE-I, E/F. AT MANDOLA CKT. TRIPPED ON DIST PROT, ZONE-I, DIST 6.7KM.
15	4.4.17	18:30	INDRAPRASTHA POWER 220/33kV 100MVA Tx-II	4.4.17	18:58	33KV I/C-II TRIPPED ON E/F.
16	4.4.17	18:30	INDRAPRASTHA POWER 220/33kV 100MVA Tx-I	4.4.17	18:56	33KV I/C-I TRIPPED ON 86, 51NX.
17	5.4.17	08:44	220kV MAHARANI BAGH - LODHI ROAD CKT-I			AT MAHARANI BAGH CKT. TRIPPED ON DIST PROT, ZONE-I, Y PHASE BUSHING CABLE END BOX DAMAGED.
18	6.4.17	07:36	220KV BAWANA-SHALIMARBAGH CKT-II	6.4.17	08:03	AT SHALIMARBAGH CKT. TRIPPED ON 96 A&B.
19	6.4.17	14:06	220kV BAMNAULI-NARAINA CKT-II	6.4.17	14:20	AT BAMNAULI CKT. TRIPPED ON DIST PROT, ZONE-I.
20	6.4.17	14:19	220kV BAMNAULI - DIAL CKT-I	6.4.17	20:13	AT BAMNAULI CKT. TRIPPED ON DIST PROT, DIST 1.560MTS., 186A&B, E/F.
21	7.4.17	00:15	OKHLA 220/33kV 100MVA Tx-V	7.4.17	00:20	TR. TRIPPED ON 86, O/C.
22	7.4.17	07:23	SUBZI MANDI 33/11kV, 16MVA Tx-I	7.4.17	07:38	TR. TRIPPED ON GEN TRIP.
23	8.4.17	01:15	ROHINI 220/66kV 100MVA Tx-III	8.4.17	01:58	TR. TRIPPED DUE TO BUS BAR PROTECTION OPERATION.
24	8.4.17	01:15	220kV ROHINI-SHALIMARBAGH CKT-I	8.4.17	01:58	CKT. TRIPPED DUE TO BUS BAR PROTECTION OPERATION.
25	8.4.17	01:15	220kV ROHINI-SHALIMARBAGH CKT-II	8.4.17	01:58	CKT. TRIPPED DUE TO BUS BAR PROTECTION OPERATION.
26	8.4.17	07:50	GOPALPUR 220/33kV 100MVA Tx-III	8.4.17	14:35	TR. TRIPPED WITHOUT INDICATION, FLASH ON Y PHASE TOP CLAMP.
27	8.4.17	12:40	220kV MEHRAULI - VASANT KUNJ CKT.- II	8.4.17	12:47	AT MEHRAULI CKT. TRIPPED WITHOUT INDICATION. AT VASANT KUNJ CKT. DID NOT TRIP.

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
28	9.4.17	11:45	220KV GAZIPUR - MAHARANIBAGH CKT. -II	9.4.17	17:01	AT MAHARANI BAGH CKT. TRIPPED ON DIST PROT, DIST 4.4KM, Y&B PHASE. AT GAZIPUR CKT. TRIPPED ON DIST PROT, ZONE-I.
29	9.4.17	11:45	220KV GAZIPUR - MAHARANIBAGH CKT. -I	9.4.17	17:01	AT MAHARANI BAGH CKT. TRIPPED Y&B PHASE. AT GAZIPUR CKT. DID NOT TRIPPED.
30	9.4.17	14:44	220kv MEHRAULI - BTPS CKT. - I	9.4.17	17:26	AT BTPS CKT. TRIPPED ON DIST PROT, ZONE-I, DIST 2.0KM AT MEHRAULI CKT. TRIPPED ON DIST PROT, ZONE-I.
31	11.4.17	11:50	SARITA VIHAR 66/11kv, 20MVA Tx-I	11.4.17	12:35	11KV I/C-I TRIPPED ALONGWITH 11KV FEEDERS.
32	11.4.17	12:24	220kv NARELA - MANDOLA CKT-II	11.4.17	12:51	AT MANDOLA CKT. TRIPPED ON DIST PROT, ZONE-I, DIST 18.97KM. AT NARELA CKT. TRIPPED ON DIST PROT, ZONE-I, DIST 5.124KM.
33	11.4.17	13:58	220kv BAWANA - KANJHAWALA CKT - 1	11.4.17	20:56	AT KHANJAWALA CKT. TRIPPED ON DIST PROT, ZONE-I, DIST 14.38KM
34	12.4.17	12:48	220kv BAMNAULI-NAJAFGARH CKT-I	12.4.17	13:44	AT BAMNAULI CKT. TRIPPED ON DIST PROT, ZONE-I.
35	12.4.17	14:15	220kv MEHRAULI - BTPS CKT. - I	12.4.17	15:00	AT MEHRAULI CKT. TRIPPED ON DIST PROT, ZONE-I, DIST 14.13KM, ABC PHASE. AT BTPS CKT. TRIPPED ON DIST PROT., ZONE-I, DIST 7.1KM, B PHASE E/F.
36	12.4.17	14:35	220kv BAWANA - KANJHAWALA CKT - 1	12.4.17	18:12	AT KHANJAWALA CKT. TRIPPED ON 86.
37	13.4.17	02:18	400kv Dadri-Harsh Vihar Ckt-I	13.4.17	05:31	AT DADRI CKT. TRIPPED ON DIST PROT, ZONE-I, DIST 21.1KM. AT HARSH VIHAR CKT. DID NOT TRIP.
38	13.4.17	13:28	220kv NARELA - MANDOLA CKT-I	13.4.17	18:03	AT NARELA CKT. TRIPPED ON DIST PROT, ZONE-I, ABC PHASE, 186. AT MANDOLA CKT. TRIPPED ON DIST PROT, ZONE-I, R PHASE.
39	13.4.17	13:28	220kv NARELA - MANDOLA CKT-II	13.4.17	18:03	AT NARELA CKT. TRIPPED ON DIST PROT, ZONE-II, DIST 13.90KM, B PHASE. AT MANDOLA CKT. TRIPPED ON DIST PROT, ZONE-II, B PHASE.
40	13.4.17	13:46	400kv Dadri - Harsh Vihar Ckt. -II	13.4.17	16:48	AT HARSH VIHAR CKT. TRIPPED ON DIST PROT, ZONE-I. AT DADRI CKT. TRIPPED ON DIST PROT, DIST 3.1KM.
41	13.4.17	18:10	OKHLA 220/66kv 100MVA Tx-II	13.4.17	18:40	66KV I/C-II TRIPPED ON E/F.
42	14.4.17	07:55	PARKSTREET 220/33kv 100MVA Tx-I	14.4.17	08:17	TR. TRIPPED ON 86, INTERTRIP. I/C TRIPPED ON E/F.
43	14.4.17	14:23	220kv BAWANA - KANJHAWALA CKT - 1	14.4.17	22:21	AT BAWANA CKT TRIPPED ON RYB PHASE, DIST PROT, DIST.22.41KM.
44	14.4.17	14:23	220kv KANJHAWALA-NAJAFGARH CKT	14.4.17	15:21	AT KHANJAWALA CKT. TRIPPED ON DIST PROT, ZONE-II, DIST 17.26KM, RYB PHASE.
45	14.4.17	14:23	220kv MUNDKA-KANJHAWALA CKT	14.4.17	14:35	AT MUNDKA CKT. TRIPPED ON DIST PROT, ZONE-I, R PHASE.
46	14.4.17	14:25	KANJHAWALA 220/66kv 100MVA Tx-I	15.4.17	16:46	TR. TRIPPED ON DIFFERENTIAL, GEN TRIP.
47	15.4.17	03:20	GOPALPUR 66kv JAHANGIRPURI CKT-II	15.4.17	19:20	CKT. TRIPPED ON DIST PROT, ZONE-I, B PHASE CT LEAKAGE, CAUGHT FIRE.

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
48	15.4.17	12:00	220kV NARELA - MANDOLA CKT-I	15.4.17	12:59	AT NARELA CKT. TRIPPED ON DIST PROT, ZONE-I, DIST. 20.33KM.
49	15.4.17	17:23	220kV DSIIDC BAWANA-NARELA CKT-II	15.4.17	17:49	AT NARELA BUS BAR PORT. OPERATED.
50	15.4.17	17:23	NARELA 220/66kV 100MVA Tx-I	15.4.17	17:52	TR. -I TRIPPED DUE TO OPERATOIN OF BUS BAR PROT. OPERATED.
51	15.4.17	17:23	NARELA 220/66kV 100MVA Tx-II	15.4.17	17:52	TR. -II TRIPPED DUE TO OPERATOIN OF BUS BAR PROT. OPERATED.
52	15.4.17	17:23	NARELA 220/66kV 100MVA Tx-III	15.4.17	17:52	TR. -III TRIPPED DUE TO OPERATOIN OF BUS BAR PROT. OPERATED.
53	16.4.17	15:51	MUNDKA 220/66kV 160MVA Tx-III	16.4.17	17:41	TR. TRIPPED ON 86A&B.
54	16.4.17	22:55	SARITA VIHAR 220/66kV 100MVA Tx-II	17.4.17	17:14	TR. TRIPPED ON 86.
55	17.4.17	10:35	KANJHAWALA 66/11kV, 20MVA Tx-I	17.4.17	12:45	TR. TRIPPED ON OLTC, 30G
56	17.4.17	13:57	220kV BAMNAULI - DIAL CKT-II	17.4.17	15:28	AT DIAL CKT. TRIPPED ON DIFFERENTIAL B PHASE. AT BAMNAULI CKT. TRIPPED ON DIST PROT, ZONE-I, DIST 1.607KM, C PHASE.
57	17.4.17	14:06	220kV GOPALPUR- MANDOLACKT-I	17.4.17	14:40	AT GOPALPUR CKT. TRIPPED ON DIST PROT, ZONE-I, DIST 9.915KM, R PHASE. AT MANDOLA CKT. TRIPPED ON DIST PROT, R PHASE.
58	17.4.17	15:38	220kV GAZIPUR - BTPS CKT	18.4.17	01:56	AT BTPS CKT. TRIPPED WITHOUT INDICATION. CKT. WAS AT OFF POSITION AT GAZIPUR.
59	17.4.17	18:40	SHALIMAR BAGH 33/11kV, 16MVA Tx-I	17.4.17	19:10	I/C-I TRIPPED WITH HEAVY JERK ON O/C, SMOKE OBSERVED IN 11KV BADLI CKT. -I.
60	18.4.17	00:27	PAPPANKALAN-II 66kV G-5 MATIALA CKT-2	18.4.17	21:15	CKT. PUT OFF DUE TO FIRE OBSERVED IN CONTROL PANEL OF 66KV MTIALA CKT. -II.
61	18.4.17	15:52	220kV NARELA - MANDOLA CKT-II	18.4.17	16:03	AT NARELA CKT. TRIPPED WITHOUT INDICATION. AT MANDOLA CKT. DID NOT TRIP.
62	18.4.17	16:10	220kV NARELA - MANDOLA CKT-II	18.4.17	16:57	T NARELA CKT. TRIPPED WITHOUT INDICATION. AT MANDOLA CKT. DID NOT TRIP.
63	19.4.17	16:27	INDRAPRASTHA POWER 220/33kV 100MVA Tx-III	19.4.17	16:44	33KV I/C-III TRIPPED ON O/C, E/F, 86.
64	20.4.17	05:14	220kV NARELA - MANDOLA CKT-II	20.4.17	11:06	AT NARELA CKT. TRIPPED ON 195A, 195BC, 195CC. NO TRIPPING AT MANDOLA
65	20.4.17	09:05	220KV WAZIRABAD - MANDOLA CKT-I	20.4.17	12:44	AT WAZIRABAD CKT. TRIPPED ON DIST PROT, ZONE-I, II & III, DIST 14.02KM.
66	20.4.17	11:01	220kV BAWANA-DSIIDC BAWANA CKT-I	20.4.17	14:24	AT DSIDC CKT. TRIPPED ON DIST PROT, ZONE-I, DIST 3.7KM.
67	20.4.17	14:04	220kV GOPALPUR- MANDOLACKT-I	20.4.17	14:21	CKT. TRIPPED AT MANDOLA AT GOPALPUR SUPPLY FAILED.
68	20.4.17	20:43	PARKSTREET 33kV 10MVAR CAP. BANK-I	21.4.17	07:10	R PHASE CT BLAST.
69	22.4.17	13:30	NARAINA 220/33kV 100MVA Tx-I	22.4.17	13:50	33KV I/C-I TRIPPED ON O/C, E/F.
70	22.4.17	13:30	NARAINA 220/33kV 100MVA Tx-II	22.4.17	13:50	33KV I/C-II TRIPPED ON O/C.
71	22.4.17	14:06	NARAINA 220/33kV 100MVA Tx-I	22.4.17	18:08	33KV I/C-I TRIPPED ON E/F. MASTER 86
72	23.4.17	06:10	220kV GAZIPUR- PATPARGANJ CKT	23.4.17	06:24	AT PATPARGANJ CKT. TRIPPED ON 86, GENERAL TRIP, DIFFERENTIAL TRIP.

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
73	23.4.17	14:29	220kV MEHRAULI - BTPS CKT. - II	23.4.17	14:56	AT MEHRAULI CKT. TRIPPED ON DIST PROT, ZONE-I. AT BTPS CKT. TRIPPED ON DIST PROT, ZONE-I, DIST 9.6KM.
74	24.4.17	16:36	220kV DSIIDC BAWANA-NARELA CKT-II	24.4.17	16:50	CKT. TRIPPED DUE TO BUS BAR PROT. OPERATED ON 220KV BUS-II.
75	24.4.17	16:36	DSIIDC Bawana 220/66kV 100MVA Tx-III	24.4.17	16:52	TR. TRIPPED DUE TO BUS BAR PROT. OPERATED ON 220KV BUS-II.
76	24.4.17	16:36	DSIIDC Bawana 220/66kV 100MVA Tx-II	24.4.17	16:52	TR. TRIPPED DUE TO BUS BAR PROT. OPERATED ON 220KV BUS-II.
77	25.4.17	12:42	PAPPANKALAN-II 220/66kV 100MVA Tx-I	25.4.17	12:55	AT PAPANKALAN-II TR. TRIPPED ON O/C, E/F.
78	25.4.17	12:42	PAPPANKALAN-II 220/66kV 100MVA Tx-II	25.4.17	13:02	AT PAPANKALAN-II TR. TRIPPED ON O/C, E/F.
79	25.4.17	12:42	PAPPANKALAN-II 220/66kV 160MVA Tx-IV	25.4.17	12:55	AT PAPANKALAN-II TR. TRIPPED ON O/C, E/F.
80	25.4.17	12:42	PAPPANKALAN-II 220/66kV 160MVA Tx-III	25.4.17	13:16	AT PAPANKALAN-II TR. TRIPPED ON O/C, E/F.
81	26.4.17	07:36	220kV NARELA - MANDOLA CKT-II	26.4.17	10:35	AT NARELA CKT. TRIPPED WITHOUT INDICATION, CVT AVAILABLE.
82	26.4.17	07:45	WAZIRPUR 220/33kV 100MVA Tx-II	26.4.17	10:38	TR. TRIPPED ON 86.
83	26.4.17	13:11	WAZIRPUR 220/33kV 100MVA Tx-II	26.4.17	13:13	TR. TRIPPED ON 86.
84	27.4.17	06:54	220kV MUNDKA-NAJAFGARH CKT	27.4.17	07:41	AT MUNDKA CKT. TRIPPED ON DIST PROT, ZONE-I, DIST 4.98KM. AT NAJAFGARH CKT. DID NOT TRIPPED.
85	27.4.17	10:36	SUBZI MANDI 33/11kV, 16MVA Tx-I	27.4.17	16:36	TR. TRIPPED ON DIFFERENTIAL.
86	27.4.17	13:23	220kV NARELA - MANDOLA CKT-I	27.4.17	14:25	AT NARELA CKT. TRIPPED WITHOUT INDICATION.
87	28.4.17	13:50	220KV WAZIRABAD - MANDOLA CKT-IV	28.4.17	13:55	AT WAZIRABAD CKT. TRIPPED WITHOUT INDICATION, CVT AVAILABLE.
88	28.4.17	14:23	220KVBAWANA- ROHINI CKT-II	28.4.17	15:13	AT BAWANA CKT. TRIPPED ON DIST PROT, ZONE-I, DIST 5.77KM. AT ROHINI CKT. DID NOT TRIP.
89	29.4.17	19:01	220kV DSIIDC BAWANA-NARELA CKT-I	30.4.17	09:22	AT BAWANA CKT. TRIPPED ON DIST PROT, ZONE-I, DIST 6.66KM.
90	29.4.17	19:01	220kV BAWANA-DSIIDC BAWANA CKT-I	30.4.17	09:22	CKT. TRIPPED ON 86.
91	29.4.17	19:01	DSIIDC Bawana 220/66kV 160MVA Tx-I	29.4.17	19:49	TR. TRIPPED ON 86.
92	29.4.17	23:52	220KV BAWANA-SHALIMARBAGH CKT-II	30.4.17	09:10	AT BAWANA CKT. TRIPPED ON DIST PROT, ZONE-I, DIST 215MTS.
93	29.4.17	23:52	BAWANA 400/220kV 315MVA ICT-III	30.4.17	09:10	ICT TRIPPED ON 195CB, 86L, B1 GROUP, SUPERVISION RELAY APPEARED.
94	30.4.17	09:09	220kV GOPALPUR- MANDOLACKT-I	30.4.17	09:43	CKT. TRIPPED DUE TO SPS OPERATION.
95	30.4.17	09:09	220kV NARELA - MANDOLA CKT-I	30.4.17	09:43	CKT. TRIPPED DUE TO SPS OPERATION.
96	30.4.17	09:09	220kV NARELA - MANDOLA CKT-II	30.4.17	09:43	CKT. TRIPPED DUE TO SPS OPERATION.
97	30.4.17	17:43	220kV GOPALPUR- MANDOLACKT-I	30.4.17	18:23	SUPPLY FAIL FROM FROM MANDOLA.

20 DETAILS OF UNDER FREQUENCY RELAY OPERATIONS IN DELHI POWER SYSTEM DURING THE MONTH OF APRIL 2017

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