DELHI TRANSCO LTD.

STATE LOAD DISPATCH CENTER

PROGRESS REPORT

****

MAY 2017

1 SALIENT FEATURES OF DELHI POWER SYSTEM

Sr. No.	Features	MAY 2016	MAY 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)**	**6038**	**6031**
	Date	20.05.16	16.05.17
	Time	15.18.12	15.32.19
3	**Peak Demand met (MW)**	**6188**	**6021**
	Date	20.05.16	16.05.17
	Time	15.18.12	15.32.19
4	Peak Availability (MW)	6178	5945
5	Shortage (-) / Surplus (+) in MW	(-) 10	(-) 76
6	Percentage Shortage (-) / Surplus (+)	(-) 0.16	(-) 1.26
7	Maximum Energy Consume in a day (Mus)	129.076	123.628
8	Energy Consumed during the month	**3278.924**	**3407.811**
9	**Load Shedding in Mus**		
A)	Due to Grid Restrictions		
i)	Under Frequency Relay Operations	0.000	0.000
ii)	Manual Load shedding from DTL S/Stns.	0.000	0.000
iii)	Load Shedding due to low frequency / Low Voltage / TTC/ATC Violation		
	TPDDL	0.093	0.071
	BRPL	0.677	0.139
	BYPL	0.086	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	**0.856**	**0.210**
B)	Due to Constraints in System in Mus		
	DTL	2.862	0.723
	NDPL	0.171	0.197
	BRPL	2.142	0.908
	BYPL	0.242	0.130
	NDMC	0.000	0.000
	MES	0.000	0.000
	Other Agencies	2.507	0.475
	Total	**5.417**	**2.433**
11	**Grand Total in Mus**	**6.273**	**2.643**

2. PERFORMANCE OF GENERATING STATIONS WITHIN DELHI DURING MAYL 2017

A) For the month of May 2017

All Figures in MUs

S. No	Stations	Gross Generation	Aux. Consumption	Net Generation	Availability (%)	Backing Down
1.	**RPH**	0.000	0.244	-0.244	0.00	0.00
2.	**GT**	50.665	1.758	48.907	85.22	117.398
3.	**PPCL**	117.0893	2.637	115.256	98.51	119.813
4.	**BTPS**	218.602	22.079	196.523	87.51	29.645
5.	**Rithala**	0.000	0.062	-0.062	**89.17**	61.008
6.	**Bawana**	208.031	9.172	198.859	85.47	651.646
7.	**Towmcl**	13.731	2.085	11.646	--	--
8.	**EDWPCL**	2.259	1.137	1.122	--	--
9.	**DMSWL**	5.369	1.604	4.035	--	--
	TOTAL	**615.7463**	**40.778**	**576.042**	**--**	**979.51**

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

Power Station	Effective Capacity (MW)	Net Generation in MUs for May 2017	Availability (%) for May 2017	PLF (%) for May 2017	Cumulative Generation in MUs upto May 2017 for the year 2017-18	Cumulative Availability in % upto May 2017 for the year 2017-18	Cumulative PLF in % upto May 2017 for the year 2017-18
RPH	135	-0.244	0.00	-0.58	-0.534	0.00	-0.30
GT	270	48.907	85.22	24.98	91.532	76.78	23.38
PPCL	330	115.256	98.51	48.20	242.196	97.80	51.47
BTPS	705	196.523	87.51	50.71	197.867	58.48	44.63
Rithala	108	-0.062	**89.17**	0.00	-0.122	**89.17**	0.00
Bawana	1372	198.859	85.47	20.62	382.889	80.81	19.86
Towmcl	16	11.646	--	--	23.950	--	--
EDWPCL	--	1.122	--	--	2.076	--	--
DMSWL	--	4.035	--	--	15.554	--	--
TOTAL	2936	**576.042**	**--**	**--**	**955.408**	**--**	**--**

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	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	30.4.17	07:00	30.4.17	19:15	Machine stopped to attend Lealakge of Cooloing water from CW return line.
		30.4.17	19:15	2.5.17	12:02	After attending the cooling water leakage machine could not be taken on bar due no schedule from SLDC on CC NG.
		2.5.17	23:35	24.5.17	06:57	Machine stopped due to 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 Cooloing water from CW return line.
		30.4.17	19:15	24.5.17	10:20	After attending the cooling water leakage machine could not be taken on bar due no schedule from SLDC.
		29.5.17	06:12	29.5.17	09:45	Machine tripped while rebooting the Mark-IV system as the machine was operating while R&S controller was inoperative.
		29.5.17	09:45	31.5.17	23:59	Machine cleared from C&I side but SLDC did not allow to un the machine due to low demand in the Grid.

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	31.517	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	31.5.17	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	1.5.17	07:22	Machine could not taken on load due to no schedule from SLDC on CC Spot R-LNG
		16.5.17	12:40	16.5.17	13:46	Machine tripped on loss of Exciatation alongwith Electrical trouable normal shut down alarm on protection panel.
		24.5.17	11:25	31.5.17	23:59	Machine stopped due to no schedule from SLDC on CC NG

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	2.5.17	12:45	Machine could not taken on load due to no schedule from SLDC on CC Spot R-LNG
		2.5.17	12:45	2.5.17	22:25	After getting schedule from SLDC, Machine could not be taken on load due to early disengaging of Diesel Engine before 65% of Turbine full rpm.
		7.5.17	00:23	7.5.17	00:47	Machine taken on FSNL to change over from Bus bar BB-1 to BB-3
		22.5.17	15:00	31.5.17	23:59	Machine stopped due to no schedule from SLDC on CC NG

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 Cooloing water from CW return line.
		30.4.17	19:15	2.5.17	15:56	Machine could not taken on load due to no schedule from SLDC on CC Spot R-LNG
		2.5.17	23:35	24.5.17	09:40	Machine stopped as there was no schedule on CCNG

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	31.5.17	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	1.5.15	11.22	Machine could not taken on load due to no schedule from SLDC on CC Spot R-LNG
		7.5.17	08:30	7.5.17	10:47	There was hunting in 24 Volt Charger Out put Voltage which leads to tripping of MCB of DDC panel CRB01,CRB02, CRC01,CRC03 & CJJ02. Due to this Operating parameters were not available at BCD as well as on CRT and subsequently machine tripped on Turbine Ch-I & Ch-II.
		24.5.17	11:25	31.5.17	23:59	Machine stopped as there was no schedule on CCNG

(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	31.05.17	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.
		24.05.17	10.38	24.05.17	12.12	

(D) BADARPUR THERMAL POWER STATION

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	95	20.11.14	00.00	31.05.17	23.59	Not in operation due to not meeting pollution norms.

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
2	95	24.09.15	19.52	31.05.17	23.59	Not in operation due to not meeting pollution norms.

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
3	95	09.10.15	01.00	31.05.17	23.59	Not in operation due to not meeting pollution norms.

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
		06.05.17	18.08	06.05.17	22.49	Hot spot on GT Bushing
		31.05.17	14.00	31.05.17	10.00	Stopped due to low demand and high frequency

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
		13.05.17	14.44	14.05.17	00.05	PA Fan 5A motor shaft shared
		14.05.17	00.06	14.05.17	05.34	Generation excitation low
		27.05.17	19.15	28.05.17	11.30	
		28.05.17	11.30	29.05.17	07.36	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

4 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)
NTPC STATIONS							
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**
NHPC							
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
Dhauli 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**
NPC							
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**
SVJNL							
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	37	0	0	37
TOTAL	**1400**	**139**	**102**	**97**	**0**	**0**	**97**
Total	**18427**	**2110**	**3183**	**2842**	**0**	**0**	**2842**
Allocation from ER and Tala HEP							
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**
Joint Venture							
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 LISCENCEES 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 MAY 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
		RPH	GT	PPCL	Rithala	Bawana	Townmcl	East Delhi	DMSWL	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	23.09.23	0	36	156	0	284	16	4	15	330	841	3867	3682	185	4708	0	4708
2	15.40.29	0	58	147	0	250	16	3	13	330	817	4123	4137	-14	4940	0	4940
3	15.04.46	0	71	146	0	251	16	4	7	338	833	4067	3988	79	4900	0	4900
4	15.28.25	0	73	148	0	498	16	7	5	335	1082	3906	3788	118	4988	0	4988
5	15.02.05	0	72	147	0	493	16	3	5	334	1070	4182	4096	86	5252	0	5252
6	23.27.58	0	75	151	0	251	16	5	15	327	840	4429	4379	50	5269	0	5269
7	23.40.10	0	74	151	0	250	16	5	17	325	838	4590	4526	64	5428	0	5428
8	23.09.15	0	72	150	0	286	18	2	8	328	864	4858	4858	0	5722	0	5722
9	15.32.49	0	71	145	0	302	18	3	15	328	882	4893	4929	-36	5775	3	5778
10	00.00.39	0	73	151	0	287	12	0	5	334	862	4764	4637	127	5626	9	5635
11	15.36.01	0	71	145	0	286	19	0	8	336	865	4897	4746	151	5762	1	5763
12	15.23.17	0	70	145	0	313	15	0	8	333	884	4887	5022	-135	5771	0	5771
13	23.40.15	0	74	149	0	295	14	-1	-1	167	697	4965	4879	86	5662	0	5662
14	23.30.47	0	73	150	0	294	17	-2	0	327	859	4838	4738	100	5697	0	5697
15	23.19.36	0	73	150	0	299	18	1	-1	367	907	5075	4978	97	5982	3	5985
16	15.32.19	0	71	143	0	297	16	4	0	328	859	5162	5238	-76	6021	10	6031
17	00.00.09	0	71	151	0	306	16	4	0	337	885	4871	4864	7	5756	2	5758
18	23.16.45	0	71	151	0	310	10	0	0	331	873	4923	4993	-70	5796	5	5801
19	15.07.00	0	71	145	0	300	11	-1	5	337	868	4896	4823	73	5764	0	5764
20	23.45.30	0	71	153	0	296	11	-1	11	328	869	4519	4535	-16	5388	3	5391
21	00.27.42	0	71	153	0	294	9	-1	13	333	872	4286	4324	-38	5158	73	5231
22	00.02.56	0	71	159	0	-7	11	-1	6	322	561	3947	3857	90	4508	0	4508
23	23.22.19	0	41	153	0	-6	11	-1	7	335	540	4544	4458	86	5084	0	5084
24	23.00.12	0	64	150	0	300	10	0	4	349	877	4679	4659	20	5556	0	5556
25	23.47.30	0	64	146	0	301	7	0	6	335	859	4906	4855	51	5765	4	5769
26	15.41.45	0	60	142	0	294	6	-1	4	333	838	5163	5109	54	6001	0	6001
27	15.43.07	0	62	145	0	296	6	-1	4	328	840	4906	4881	25	5746	0	5746
28	00.00.14	0	67	152	0	291	11	0	-2	184	703	4811	4633	178	5514	0	5514
29	00.00.05	0	67	152	0	298	11	-1	4	169	700	4555	4617	-62	5255	0	5255
30	23.12.57	0	32	152	0	301	11	0	8	321	825	4480	4477	3	5305	0	5305
31	00.00.00	0	33	152	0	300	9	0	8	320	822	4382	4345	37	5204	0	5204

7 POWER AVAILABILITY- DEMAND POSITION AT THE TIME OF MAXIMUM UNRESTRICTED DEMAND DURING MAY 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
		RPH	GT	PPCL	Rithala	Bawana	Townmcl	East Delhi	DMSWL	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	23.09.23	0	36	156	0	284	16	4	15	330	841	3867	3682	185	4708	0	4708
2	15.40.29	0	58	147	0	250	16	3	13	330	817	4123	4137	-14	4940	0	4940
3	15.04.46	0	71	146	0	251	16	4	7	338	833	4067	3988	79	4900	0	4900
4	15.28.25	0	73	148	0	498	16	7	5	335	1082	3906	3788	118	4988	0	4988
5	15.02.05	0	72	147	0	493	16	3	5	334	1070	4182	4096	86	5252	0	5252
6	23.27.58	0	75	151	0	251	16	5	15	327	840	4429	4379	50	5269	0	5269
7	23.40.10	0	74	151	0	250	16	5	17	325	838	4590	4526	64	5428	0	5428
8	23.09.15	0	72	150	0	286	18	2	8	328	864	4858	4858	0	5722	0	5722
9	15.32.49	0	71	145	0	302	18	3	15	328	882	4893	4929	-36	5775	3	5778
10	00.00.39	0	73	151	0	287	12	0	5	334	862	4764	4637	127	5626	9	5635
11	15.36.01	0	71	145	0	286	19	0	8	336	865	4897	4746	151	5762	1	5763
12	15.23.17	0	70	145	0	313	15	0	8	333	884	4887	5022	-135	5771	0	5771
13	23.40.15	0	74	149	0	295	14	-1	-1	167	697	4965	4879	86	5662	0	5662
14	23.30.47	0	73	150	0	294	17	-2	0	327	859	4838	4738	100	5697	0	5697
15	23.19.36	0	73	150	0	299	18	1	-1	367	907	5075	4978	97	5982	3	5985
16	15.32.19	0	71	143	0	297	16	4	0	328	859	5162	5238	-76	6021	10	6031
17	00.00.09	0	71	151	0	306	16	4	0	337	885	4871	4864	7	5756	2	5758
18	23.16.45	0	71	151	0	310	10	0	0	331	873	4923	4993	-70	5796	5	5801
19	15.07.00	0	71	145	0	300	11	-1	5	337	868	4896	4823	73	5764	0	5764
20	23.45.30	0	71	153	0	296	11	-1	11	328	869	4519	4535	-16	5388	3	5391
21	00.27.42	0	71	153	0	294	9	-1	13	333	872	4286	4324	-38	5158	73	5231
22	00.02.56	0	71	159	0	-7	11	-1	6	322	561	3947	3857	90	4508	0	4508
23	23.22.19	0	41	153	0	-6	11	-1	7	335	540	4544	4458	86	5084	0	5084
24	23.00.12	0	64	150	0	300	10	0	4	349	877	4679	4659	20	5556	0	5556
25	23.47.30	0	64	146	0	301	7	0	6	335	859	4906	4855	51	5765	4	5769
26	15.41.45	0	60	142	0	294	6	-1	4	333	838	5163	5109	54	6001	0	6001
27	15.43.07	0	62	145	0	296	6	-1	4	328	840	4906	4881	25	5746	0	5746
28	00.00.14	0	67	152	0	291	11	0	-2	184	703	4811	4633	178	5514	0	5514
29	00.00.05	0	67	152	0	298	11	-1	4	169	700	4555	4617	-62	5255	0	5255
30	23.12.57	0	32	152	0	301	11	0	8	321	825	4480	4477	3	5305	0	5305
31	00.00.00	0	33	152	0	300	9	0	8	320	822	4382	4345	37	5204	0	5204

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

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

A (i) RPH	0.000
(ii) GT+STG	50.665
(iii) PRAGATI	117.893
(iv) RITHALA	0.000
(v) BAWANA CCGT	208.031
(vi) Timarpur ï Okhla	13.731
EDWPCL	2.259
DMSWL	5.639
TOTAL	398.218
B) AVAILABILITY FROM BTPS	233.079
C) AUXILIARY CONSUMPTION OF GENERATING STNs. EXCLUDING BTPS	18.699
D) NET GENERATION AVAILABLE WITHIN DELHI(A+B-C)	**612.598**

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	10.390	10.088	10.388	10.085
SALAL	52.300	50.771	52.300	50.771
SASAN	269.457	261.595	262.086	254.432
TANKAPUR	2.972	2.886	2.972	2.886
CHAMERA	24.206	23.502	24.206	23.502
CHAMERA -II	28.581	27.746	28.580	27.745
CHAMERA -III	20.233	19.642	20.233	19.642
DHAULIGANGA	13.212	12.826	13.212	12.826
SEWA -2	9.574	9.296	9.574	9.296
URI	38.900	37.764	38.900	37.764
URI-II	22.410	21.759	22.410	21.759
KOLDAM	0.000	0.000	0.000	0.000
KOTESHWAR	9.167	8.899	9.167	8.899
PARBATI3	7.420	7.204	7.420	7.204
RAMPUR	0.000	0.000	0.000	0.000
MUNDRA_UMPP	0.000	0.000	0.000	0.000
ANTA (GAS)	0.000	0.000	0.000	0.000
ANTA (RLNG)	0.000	0.000	0.000	0.000
ANTA (LIQUID)	29.983	29.107	0.000	0.000
DADRI (GAS)	28.652	27.815	5.488	5.328
DADRI (RLNG)	0.000	0.000	0.000	0.000
DADRI (LIQUID)	32.973	32.010	0.000	0.000
AURAIYA (GAS)	6.423	6.236	3.256	3.161
AURAIYA (RLNG)	0.000	0.000	0.000	0.000
AURAIYA (LIQUID)	42.468	41.228	0.000	0.000
SINGRAULI	90.784	88.131	85.834	83.324
RIHAND -I	66.975	65.020	62.207	60.392
RIHAND -II	61.705	59.899	57.617	55.927
RIHAND -III	91.521	88.849	84.207	81.745
UNCHAHAR-I	14.168	13.754	8.523	8.273
UNCHAHAR-II	32.215	31.274	18.761	18.212

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
UNCHAHAR-III	20.032	19.447	11.842	11.496
DADRI (TH)	526.997	511.615	301.793	292.978
DADRI (TH) STAGE-II	501.917	487.262	374.400	363.436
NAPP	28.601	27.766	28.601	27.766
RAPP 'B'	0.000	0.000	0.000	0.000
RAPP 'C'	38.429	37.308	38.429	37.308
NATHPA JHAKRI	92.712	90.003	69.162	67.142
DULASTI	36.530	35.463	36.530	35.463
TEHRI	11.125	10.800	11.125	10.800
JHAJJAR	484.093	469.940	215.012	208.684
KHELGAON	32.563	31.609	22.029	21.381
KHELGAON-II	108.765	105.590	81.845	79.449
FARAKA	13.892	13.486	8.640	8.386
TALA	7.087	6.883	7.087	6.883
TALCHER	0.000	0.000	0.000	0.000
DVC	246.045	244.093	244.093	236.995
HARYANA	2.313	2.291	2.291	2.224
CHATTISHGARH	0.073	0.071	0.071	0.069
MEGHALAYA	2.445	2.422	2.422	2.347
MAHARASHTRA	0.470	0.462	0.462	0.448
ANDHRA	0.410	0.405	0.405	0.395
MADHYA PRADESH	3.683	3.647	3.647	3.537
METHON POWER(NDPL)LT-06	185.390	183.924	183.924	178.547
DVC MEJIA (LT-08)(BYPL)	74.965	74.371	74.371	72.199
URS	3.892	3.779	3.892	3.779
JAMMU & KASHMIR	143.416	142.106	142.106	137.957
HIMACHAL PRADESH	267.769	263.368	263.368	255.684
PUNJAB	0.000	0.000	0.000	0.000
UTTAR PRADESH	0.000	0.000	0.000	0.000
ORISSA	0.000	0.000	0.000	0.000
DVC LT-9	0.000	0.000	0.000	0.000
HARYANA (LT-05)	29.501	29.233	29.233	28.386
RAJASTHAN	0.000	0.000	0.000	0.000
TELANGANA	0.000	0.000	0.000	0.000
RAJASTHAN(SOLAR) BRPL-LT36	3.867	3.803	3.803	3.692
RAJASTHAN(SOLAR) BYPL - LT-35	3.593	3.534	3.534	3.431
RAJASTHAN(SOLAR) TPDDL LT-31	3.663	3.602	3.602	3.497
TO JHARKHAND	0.000	0.000	0.000	0.000
TO ANDHRA	0.000	0.000	0.000	0.000
TO WEST BENGAL	-0.022	-0.022	-0.022	-0.023
TO MAHARASHTRA	-18.387	-18.810	-18.810	-19.372
TO UTTAR PRADESH	-12.592	-12.967	-12.967	-13.355
TO UTTRANCHAL	0.000	0.000	0.000	0.000
TO GOA	0.000	0.000	0.000	0.000
TO BIHAR	0.000	0.000	0.000	0.000
TO RAJASTHAN	0.000	0.000	0.000	0.000
TO TAMILNAIDU	-0.378	-0.384	-0.384	-0.396

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
BTPS TO MP	0.000	0.000	0.000	0.000
TO HIMACHAL PRADESH	-3.267	-3.321	-3.321	-3.420
TO HARYANA	0.000	0.000	0.000	0.000
POWER EXCHANGE(IEX)	80.713	78.354	80.713	78.354
TO POWER EXCHANGE (IEX)	-101.829	-104.899	-101.829	-104.899
POWER EXCHANGE(PX)	0.000	0.000	0.000	0.000
TO POWER EXCHANGE (PX)	0.000	0.000	0.000	0.000
TO SHARE PROJECT (HARYANA)	-18.404	-18.953	-18.404	-18.953
TO SHARE PROJECT (PUNJAB)	-18.116	-18.658	-18.116	-18.658
TOTAL	**3788.647**	**3685.925**	**2901.921**	**2806.811**

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	1546.812	1501.648	1013.927	984.272
NTPC - ER	155.220	150.685	112.514	109.217
NHPC	266.729	258.946	266.725	258.943
NPC	67.031	65.074	67.031	65.074
SASAN	269.457	261.595	262.086	254.432
KOTESHWAR	9.167	8.899	9.167	8.899
MUNDRA_UMPP	0.000	0.000	0.000	0.000
NATHPA JHAKRI	92.712	90.003	69.162	67.142
TEHRI	11.125	10.800	11.125	10.800
TALA	7.087	6.883	7.087	6.883
JHAJJAR	484.093	469.940	215.012	208.684
TALCHER	0.000	0.000	0.000	0.000
RAJASTHAN SOLAR(BRPL)T-36	3.867	3.803	3.803	3.692
RAJASTHAN SOLAR(BYPL)T-35	3.593	3.534	3.534	3.431
RAJASTHAN SOLAR(TPDDL)T-31	3.663	3.602	3.602	3.497
DVC	246.045	244.093	244.093	236.995
HARYANA	2.313	2.291	2.291	2.224
CHATTISHGARH	0.073	0.071	0.071	0.069
MEGHALAYA	2.445	2.422	2.422	2.347
MAHARASHTRA	0.470	0.462	0.462	0.448
ANDHRA	0.410	0.405	0.405	0.395
MADHYA PRADESH	3.683	3.647	3.647	3.537
METHON POWER (NDPL)-LT-06	185.390	183.924	183.924	178.547
DVC MEJIA (LT-08)(BYPL)	74.965	74.371	74.371	72.199
URS	3.892	3.779	3.892	3.779
JAMMU & KASHMIR	143.416	142.106	142.106	137.957
HIMACHAL PRADESH	267.769	263.368	263.368	255.684
PUNJAB	0.000	0.000	0.000	0.000
UTTAR PRADESH	0.000	0.000	0.000	0.000
ORISSA	0.000	0.000	0.000	0.000
DVC (FOR NDPL) LT-09	0.000	0.000	0.000	0.000
HARYANA (LT -05)	29.501	29.233	29.233	28.386
RAJASTHAN	0.000	0.000	0.000	0.000
TELANGANA	0.000	0.000	0.000	0.000
POWER EXCHANGE(IEX)	80.713	78.354	80.713	78.354
POWER EXCHANGE(PX)	0.000	0.000	0.000	0.000
TOTAL	3961.642	3863.940	3075.775	2985.887

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 JHARKHAND	0.000	0.000	0.000	0.000
TO ANDHRA	0.000	0.000	0.000	0.000
TO WEST BENGAL	-0.022	-0.022	-0.022	-0.023
TO MAHARASHTRA	-18.387	-18.810	-18.810	-19.372
TO UTTRANCHAL	0.000	0.000	0.000	0.000
TO UTTAR PRADESH	-12.592	-12.967	-12.967	-13.355
TO GOA	0.000	0.000	0.000	0.000
TO BIHAR	0.000	0.000	0.000	0.000
TO RAJASTHAN	0.000	0.000	0.000	0.000
TO TAMILNAIDU	-0.378	-0.384	-0.384	-0.396
BTPS TO MP	0.000	0.000	0.000	0.000
TO HIMACHAL PRADESH	-3.267	-3.321	-3.321	-3.420
TO HARYANA	0.000	0.000	0.000	0.000
TO POWER EXCHANGE (IEX)	-101.829	-104.899	-101.829	-104.899
TO POWER EXCHANGE (PX)	0.000	0.000	0.000	0.000
TO SHARE PROJECT (HARYANA)	-18.404	-18.953	-18.404	-18.953
TO SHARE PROJECT (PUNJAB)	-18.116	-18.658	-18.116	-18.658
TOTAL	**-172.994**	**-178.015**	**-173.854**	**-179.076**
TOTAL SCHEDULED DRAWAL FROM THE GRID	**3788.647**	**3685.925**	**2901.921**	**2806.811**

TOTAL CONSUMPTION INCLUDING AUX. OF GENERATING STNs. EXCLUDING BTPS		3426.510
NET CONSUMPTION		**3407.811**
AVAILABILITY WITHIN DELHI		612.598
ACTUAL DRAWAL FROM THE GRID		2795.213
OVER DRAWAL(+)/UNDER DRAWAL(-) FROM THE GRID ON THE BASIS OF SCHEDULED ALLOCATION MADE BY NRLDC TO DELHI AT PERIPHERY		-11.598
LOAD SHEDDING		2.643
UNRESTRICTED DEMAND (GROSS)		3429.153
UNRESTRICTED DEMAND (NET)		3410.454
MAX. NET CONSUMPTION		123.628 ON 16.05.2017
MAX. LOAD SHEDDING		290MW ON 21.05.2017 AT 16.53HRS.
PEAK LOAD	Peak Demand during the month	SHEDDING AT PEAK TIME
DAY PEAK	6021MW AT 15.32.19HRS ON 16.05.2017	10 MW
EVENING PEAK	5982MW AT 23.19.36HRS ON 15.05.2017	3 MW
P.L.F. OF GENCO AND PRAGATI STNs.	RPH	0.00%
	GT	25.22%
	PRAGATI	48.02%
	RITHALA	0.00%
	BAWANA	20.39%
	Timarpur Okhla	115.35%
	EDWPCL	25.30%
	DMSWL	31.58%

9 SHEDDING DETAILS DURING THE MONTH OF MAY 2017.

ALL FIGURES IN MUs

DATE	No. of Under Freq. Relay Operated	Shedding due to under frequency relay operation in MUs					Shedding due to Grid Restrictions (Over drawal / low freq.)				
		BSES		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.May 17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.028	0.000	0.000
02.May 17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.015	0.000	0.000	0.000
03.May 17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.007	0.000	0.000
04.May 17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
05.May 17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
06.May 17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
07.May 17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
08.May 17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.037	0.000	0.000	0.000
09.May 17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
10.May 17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
11.May 17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
12.May 17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
13.May 17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
14.May 17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
15.May 17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.054	0.000	0.000	0.000
16.May 17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
17.May 17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
18.May 17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.033	0.036	0.000	0.000
19.May 17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
20.May 17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
21.May 17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
22.May 17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
23.May 17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
24.May 17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
25.May 17	0	0.000	0.000	0.0001	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
26.May 17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
27.May 17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
28.May 17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
29.May 17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
30.May 17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
31.May 17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
TOTAL	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.139**	**0.071**	**0.000**	**0.000**

ALL FIGURES IN MUs

Date	Shedding due to Transmission/Grid Constraints in Central Sector Stations / TTC / ATC VOILATION				DUE TO NEW GRID CODE REGULATION DEVIATOIN			Shedding due to Transmission/Grid Constraints in Central sector stations				Total	Total shedding due to grid restrictions
	BSES		NDPL	NDMC	BSES			BSES		TPDDL	NDMC		
	BYPL	BRPL			BYPL	BRPL	TPDDL	BYPL	BRPL				
	13	14	15	16	17	18	19	20	21	22	23	24=8 to 23	25=7+24
01.May 17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.028	0.028
02.May 17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.015	0.015
03.May 17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.007	0.007
04.May 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.May 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.May 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.May 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.May 17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.037	0.037
09.May 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.May 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.May 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.May 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.May 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.May 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.May 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
16.May 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.May 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
18.May 17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.069	0.069
19.May 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
20.May 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.May 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
22.May 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.May 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.May 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.May 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.May 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.May 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.May 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.May 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.May 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
31.May 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	0.210	0.210

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.May 17	0.0000	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.000
02.May 17	0.000	0.011	0.009	0.000	0.000	0.004	0.007	0.000	0.000
03.May 17	0.008	0.000	0.026	0.000	0.000	0.000	0.023	0.001	0.000
04.May 17	0.000	0.000	0.000	0.000	0.000	0.015	0.000	0.005	0.000
05.May 17	0.000	0.000	0.004	0.000	0.000	0.001	0.002	0.000	0.000
06.May 17	0.000	0.021	0.002	0.000	0.000	0.021	0.005	0.002	0.000
07.May 17	0.000	0.000	0.000	0.000	0.000	0.011	0.025	0.004	0.000
08.May 17	0.000	0.030	0.000	0.000	0.000	0.000	0.043	0.003	0.000
09.May 17	0.000	0.000	0.000	0.000	0.000	0.000	0.066	0.000	0.000
10.May 17	0.000	0.014	0.000	0.000	0.000	0.005	0.064	0.000	0.000
11.May 17	0.001	0.000	0.000	0.000	0.000	0.000	0.029	0.003	0.000
12.May 17	0.000	0.000	0.000	0.000	0.000	0.000	0.055	0.002	0.000
13.May 17	0.058	0.000	0.000	0.000	0.000	0.000	0.023	0.000	0.000
14.May 17	0.000	0.038	0.000	0.000	0.000	0.000	0.014	0.000	0.000
15.May 17	0.000	0.001	0.008	0.000	0.000	0.000	0.028	0.005	0.000
16.May 17	0.000	0.000	0.000	0.000	0.000	0.000	0.076	0.000	0.000
17.May 17	0.000	0.000	0.000	0.000	0.000	0.000	0.022	0.000	0.000
18.May 17	0.000	0.002	0.003	0.000	0.000	0.000	0.040	0.075	0.000
19.May 17	0.000	0.000	0.000	0.000	0.000	0.007	0.034	0.014	0.000
20.May 17	0.000	0.007	0.000	0.000	0.000	0.007	0.015	0.001	0.000
21.May 17	0.087	0.008	0.119	0.000	0.000	0.000	0.000	0.000	0.000
22.May 17	0.000	0.000	0.000	0.000	0.000	0.000	0.015	0.000	0.000
23.May 17	0.000	0.000	0.000	0.000	0.000	0.000	0.006	0.002	0.000
24.May 17	0.000	0.049	0.022	0.000	0.000	0.000	0.002	0.002	0.000
25.May 17	0.000	0.000	0.000	0.000	0.000	0.034	0.035	0.000	0.000
26.May 17	0.000	0.018	0.000	0.000	0.000	0.010	0.064	0.000	0.000
27.May 17	0.002	0.000	0.102	0.000	0.000	0.000	0.078	0.005	0.000
28.May 17	0.006	0.040	0.017	0.000	0.000	0.000	0.009	0.004	0.000
29.May 17	0.000	0.000	0.000	0.000	0.000	0.000	0.019	0.000	0.000
30.May 17	0.000	0.010	0.000	0.000	0.000	0.000	0.010	0.000	0.000
31.May 17	0.000	0.000	0.000	0.000	0.000	0.015	0.099	0.017	0.000
TOTAL	**0.162**	**0.249**	**0.312**	**0.000**	**0.000**	**0.130**	**0.908**	**0.149**	**0.000**

ALL FIGURES IN MUs

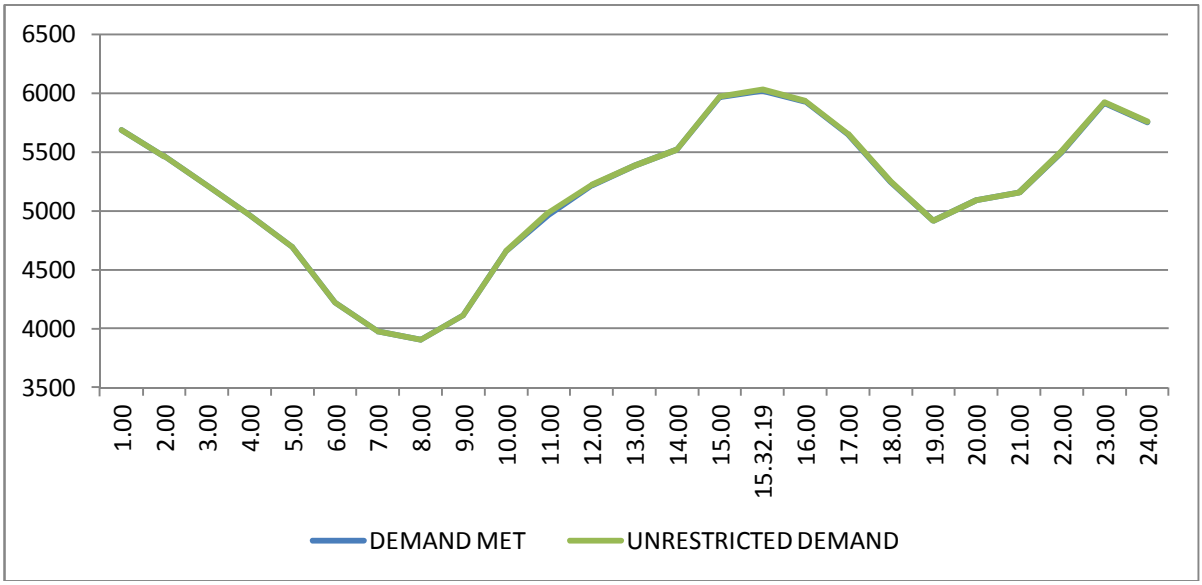
DATE	OTHER AGENCIES LIKE GENCO, BBMB, BTPS ETC.				THEFT PRONE SHEDDING			TOTAL SHEDDING DUE TO T&D CONSTS. & THEFT PRONE	GRAND TOTAL
	BSES		NDPL	NDMC	BSES		NDPL		
	BYPL	BRPL			BYPL	BRPL			
1	35	36	37	38	39	40	41	42= 26 to 41	43 = 25 + 42
01.May 17	0.000	0.000	0.000	0.000	0.000	0.000	0.012	**0.016**	**0.044**
02.May 17	0.000	0.000	0.000	0.000	0.000	0.000	0.026	**0.057**	**0.072**
03.May 17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.058**	**0.065**
04.May 17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.020**	**0.020**
05.May 17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.007**	**0.007**
06.May 17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.051**	**0.051**
07.May 17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.040**	**0.040**
08.May 17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.076**	**0.113**
09.May 17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.066**	**0.066**
10.May 17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.083**	**0.083**
11.May 17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.033**	**0.033**
12.May 17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.057**	**0.057**
13.May 17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.081**	**0.081**
14.May 17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.052**	**0.052**
15.May 17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.042**	**0.096**
16.May 17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.076**	**0.076**
17.May 17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.022**	**0.022**
18.May 17	0.000	0.000	0.000	0.000	0.000	0.000	0.008	**0.128**	**0.197**
19.May 17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.055**	**0.055**
20.May 17	0.000	0.000	0.001	0.000	0.000	0.000	0.000	**0.031**	**0.031**
21.May 17	0.468	0.006	0.000	0.000	0.000	0.000	0.000	**0.688**	**0.688**
22.May 17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.015**	**0.015**
23.May 17	0.000	0.000	0.000	0.000	0.000	0.000	0.002	**0.010**	**0.010**
24.May 17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.075**	**0.075**
25.May 17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.069**	**0.069**
26.May 17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.092**	**0.092**
27.May 17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.187**	**0.187**
28.May 17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.076**	**0.076**
29.May 17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.019**	**0.019**
30.May 17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.020**	**0.020**
31.May 17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.131**	**0.131**
TOTAL	**0.468**	**0.006**	**0.001**	**0.000**	**0.000**	**0.000**	**0.048**	**2.433**	**2.643**

DATE	(NET CONS.)	MAXI. DEMAND MET DURING THE DAY	TIME OF OCCUR-RENCE OF MAX DEMAND	SHEDDING AT THIS TIME	UN-REST-RICTED DEMAND	MAXIMUM UN-REST-RICTED DEMAND DURING THE DAY	TIME OF MAX. UN-REST. DEMAND	DEMAND AT THAT TIME	SHEDDING AT THAT TIME
	In Mus.	IN MW	IN HRS.	IN MW	IN MW	IN MW	HRS.	IN MW	IN MW
1	32	33	34	35	36=33+35	37=39+40	38	39	40
01.May 17	95.134	4708	23:09:23	0	4708	4708	23:09:23	4708	0
02.May 17	101.276	4940	15:40:29	0	4940	4940	15:40:29	4940	0
03.May 17	100.816	4900	15:04:46	0	4900	4900	15:04:46	4900	0
04.May 17	98.857	4988	15:28:25	0	4988	4988	15:28:25	4988	0
05.May 17	106.204	5252	15:02:05	0	5252	5252	15:02:05	5252	0
06.May 17	105.197	5269	23:27:58	0	5269	5269	23:27:58	5269	0
07.May 17	105.393	5428	23:40:10	0	5428	5428	23:40:10	5428	0
08.May 17	116.635	5722	23:09:15	2	5724	5724	23:09:15	5722	2
09.May 17	118.637	5775	15:32:49	3	5778	5778	15:32:49	5775	3
10.May 17	114.054	5626	00:00:39	9	5635	5635	00:00:39	5626	9
11.May 17	113.881	5762	15:36:01	1	5763	5763	15:36:01	5762	1
12.May 17	116.865	5771	15:23:17	0	5771	5771	15:23:17	5771	0
13.May 17	116.871	5662	23:40:15	0	5662	5662	23:40:15	5662	0
14.May 17	111.831	5697	23:30:47	7	5704	5704	23:30:47	5697	7
15.May 17	117.143	5982	23:19:36	3	5985	5985	23:19:36	5982	3
16.May 17	123.628	6021	15:32:19	10	6031	6031	15:32:19	6021	10
17.May 17	116.373	5756	00:00:09	2	5758	5758	00:00:09	5756	2
18.May 17	116.832	5796	23:16:45	5	5801	5801	23:16:45	5796	5
19.May 17	116.722	5764	15:07	0	5764	5764	15:07	5764	0
20.May 17	110.189	5388	23:45:30	3	5391	5391	23:45:30	5388	3
21.May 17	100.195	5158	00:27:42	73	5231	5231	00:27:42	5158	73
22.May 17	93.780	4508	00:02:56	0	4508	4508	00:02:56	4508	0
23.May 17	100.935	5084	23:22:19	0	5084	5084	23:22:19	5084	0
24.May 17	110.210	5556	23:00:12	0	5556	5556	23:00:12	5556	0
25.May 17	116.157	5765	23:47:30	4	5769	5774	23:00	5762	12
26.May 17	122.537	6001	15:41:45	10	6011	6011	15:41:45	6001	10
27.May 17	117.431	5746	15:43:07	0	5746	5746	15:43:07	5746	0
28.May 17	107.230	5514	00:00:14	0	5514	5514	00:00:14	5514	0
29.May 17	104.002	5255	00:00:05	0	5255	5255	00:00:05	5255	0
30.May 17	108.294	5305	23:12:57	0	5305	5305	23:12:57	5305	0
31.May 17	104.502	5204	00:00:00	0	5204	5204	00:00:00	5204	0
TOTAL	3407.811	6021 16.05.17	15:32:19	10	6031 16.05.17	6031	15:32:19	6021	10

10 LOAD PATTERN OF DELHI ON THE DAY OF PEAK DEMAND MET DURING MAY 2017 ON 16.05.2017- 6021MW AT 15.32.19HRS.

All figures in MW

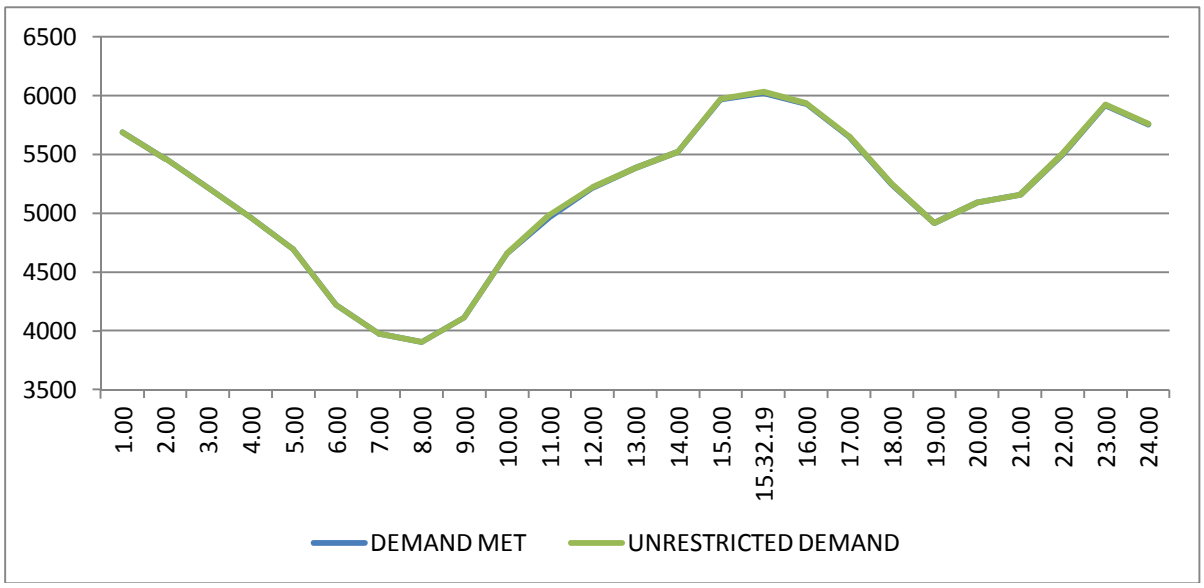
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	5684	0	5684
2.00	5464	0	5464
3.00	5218	0	5218
4.00	4969	0	4969
5.00	4694	0	4694
6.00	4222	0	4222
7.00	3979	0	3979
8.00	3907	0	3907
9.00	4113	0	4113
10.00	4656	0	4656
11.00	4969	20	4989
12.00	5217	5	5222
13.00	5387	0	5387
14.00	5519	0	5519
15.00	5967	2	5969
15.32.19	6021	10	6031
16.00	5926	7	5933
17.00	5650	4	5654
18.00	5244	3	5247
19.00	4917	2	4919
20.00	5093	0	5093
21.00	5157	0	5157
22.00	5501	2	5503
23.00	5916	8	5924
24.00	5756	2	5758
Total (IN MUS)	**123.628**	**0.076**	**123.704**



11 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UN-RESTRICTED DEMAND DURING MAY 2017 ON 16.05.2017 - 6021MW AT 15.32.19HRS.

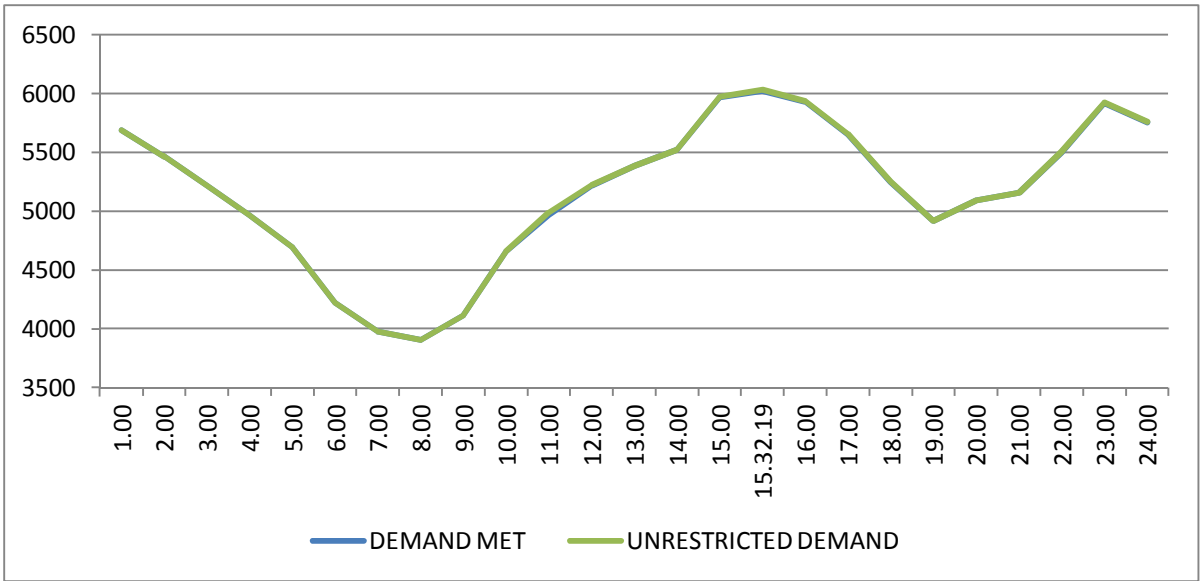
All figures in MW

Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	5684	0	5684
2.00	5464	0	5464
3.00	5218	0	5218
4.00	4969	0	4969
5.00	4694	0	4694
6.00	4222	0	4222
7.00	3979	0	3979
8.00	3907	0	3907
9.00	4113	0	4113
10.00	4656	0	4656
11.00	4969	20	4989
12.00	5217	5	5222
13.00	5387	0	5387
14.00	5519	0	5519
15.00	5967	2	5969
15.32.19	6021	10	6031
16.00	5926	7	5933
17.00	5650	4	5654
18.00	5244	3	5247
19.00	4917	2	4919
20.00	5093	0	5093
21.00	5157	0	5157
22.00	5501	2	5503
23.00	5916	8	5924
24.00	5756	2	5758
Total (IN MUS)	**123.628**	**0.076**	**123.704**



12 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM ENERGY CONSUMED DURING MAY 2017 – 16.05.2017 – 123.628Mus All figures in MW

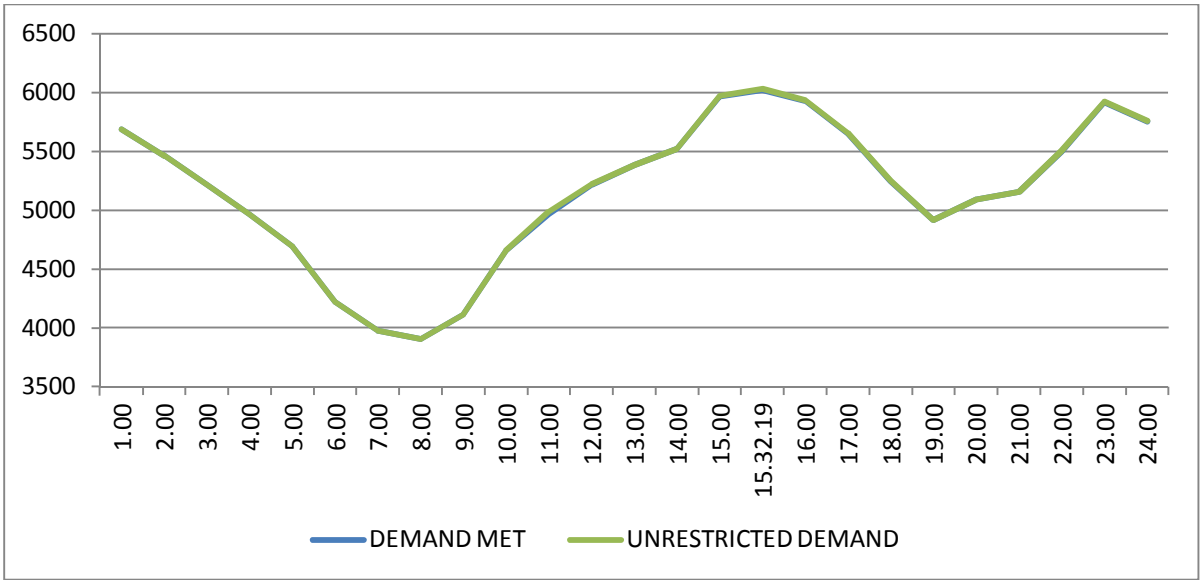
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	5684	0	5684
2.00	5464	0	5464
3.00	5218	0	5218
4.00	4969	0	4969
5.00	4694	0	4694
6.00	4222	0	4222
7.00	3979	0	3979
8.00	3907	0	3907
9.00	4113	0	4113
10.00	4656	0	4656
11.00	4969	20	4989
12.00	5217	5	5222
13.00	5387	0	5387
14.00	5519	0	5519
15.00	5967	2	5969
15.32.19	6021	10	6031
16.00	5926	7	5933
17.00	5650	4	5654
18.00	5244	3	5247
19.00	4917	2	4919
20.00	5093	0	5093
21.00	5157	0	5157
22.00	5501	2	5503
23.00	5916	8	5924
24.00	5756	2	5758
Total (IN MUS)	**123.628**	**0.076**	**123.704**



13 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UNRESTRICTED ENERGY DEMAND DURING MAY 2017 – 16.05.2017 – 123.704 Mus

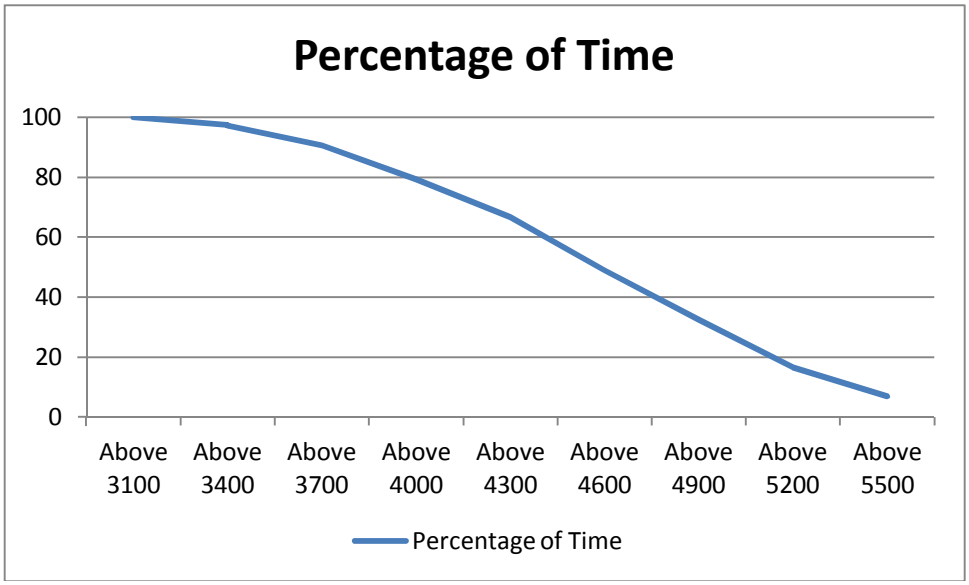
All figures in MW

Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	5684	0	5684
2.00	5464	0	5464
3.00	5218	0	5218
4.00	4969	0	4969
5.00	4694	0	4694
6.00	4222	0	4222
7.00	3979	0	3979
8.00	3907	0	3907
9.00	4113	0	4113
10.00	4656	0	4656
11.00	4969	20	4989
12.00	5217	5	5222
13.00	5387	0	5387
14.00	5519	0	5519
15.00	5967	2	5969
15.32.19	6021	10	6031
16.00	5926	7	5933
17.00	5650	4	5654
18.00	5244	3	5247
19.00	4917	2	4919
20.00	5093	0	5093
21.00	5157	0	5157
22.00	5501	2	5503
23.00	5916	8	5924
24.00	5756	2	5758
Total (IN MUS)	**123.628**	**0.076**	**123.704**



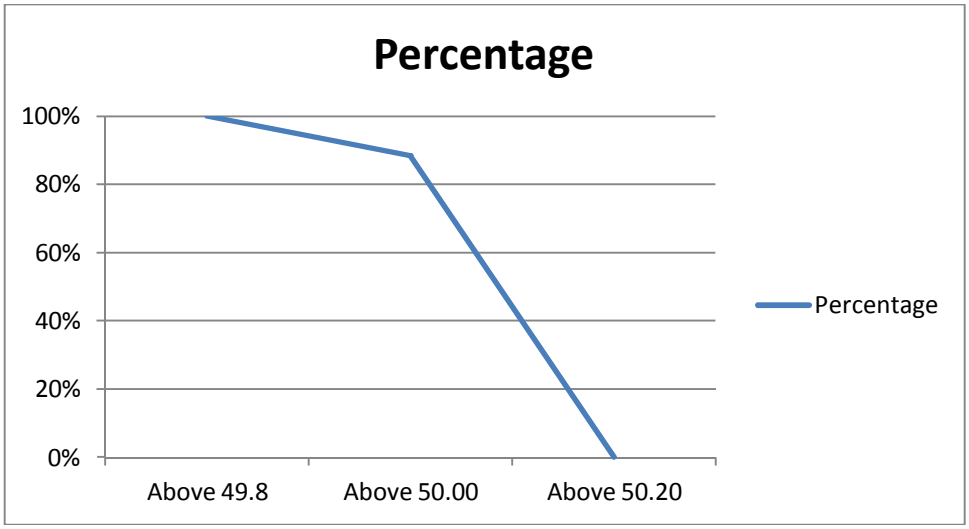
14 LOAD DURATION CURVE FOR MAY 2017

Load in MW	Percentage of Time
Above 3100	99.83
Above 3400	97.28
Above 3700	90.49
Above 4000	79.20
Above 4300	66.80
Above 4600	49.09
Above 4900	32.33
Above 5200	16.67
Above 5500	7.09



15 FREQUENCY ANALYSIS FOR THE MONTH OF MAY 2017

Frequency Range in Hz.	Percentage of time
Above 49.8	99.9.
Above 50.00	83.50
Above 50.20	0.67



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

All figures in kV

Date	NARELA		GAZIPUR	
	Max	Min	Max	Min
01.May 17	233.04	216.66	235.11	215.63
02.May 17	228.66	217.70	238.79	215.24
03.May 17	230.21	217.82	232.01	214.73
04.May 17	230.59	218.98	229.43	217.18
05.May 17	230.59	218.34	229.82	215.76
06.May 17	230.85	218.21	232.66	218.47
07.May 17	228.27	215.83	232.40	217.57
08.May 17	228.66	215.12	232.18	213.95
09.May 17	231.37	215.37	232.66	214.34
10.May 17	228.53	215.24	231.88	216.41
11.May 17	228.92	213.05	232.01	210.60
12.May 17	225.05	213.44	227.50	208.28
13.May 17	227.63	213.70	228.92	211.89
14.May 17	228.27	214.47	231.75	212.54
15.May 17	229.59	214.47	229.82	209.83
16.May 17	226.98	211.76	228.66	210.86
17.May 17	227.24	215.12	230.46	212.15
18.May 17	226.98	216.28	229.82	216.66
19.May 17	228.01	213.95	231.37	213.70
20.May 17	229.30	217.57	231.11	216.66
21.May 17	235.36	218.34	239.23	221.82
22.May 17	230.72	218.21	231.75	214.73
23.May 17	228.79	217.05	230.08	213.83
24.May 17	226.98	214.60	230.85	213.44
25.May 17	225.95	214.99	227.88	211.89
26.May 17	227.37	212.15	231.88	209.83
27.May 17	224.66	211.75	230.21	212.02
28.May 17	228.14	212.67	236.91	215.12
29.May 17	232.01	217.18	236.40	214.34
30.May 17	228.92	215.12	232.40	210.73
31.May 17	227.63	218.47	232.14	220.40

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

All figures in kV

Date	400kV Bamnauli Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01.May 17	408.01	18.02.49	385.03	22.41	396.31
02.May 17	408.01	06.02.10	386.90	00.02	397.34
03.May 17	407.30	06.02.13	389.72	00.04	398.13
04.May 17	409.18	06.01.58	390.42	14.49	399.53
05.May 17	406.66	18.33.25	385.50	14.46	395.05
06.May 17	404.49	18.01.17	386.20	22.38	394.42
07.May 17	411.06	18.01.14	385.03	23.05	401.36
08.May 17	409.65	05.35.46	384.32	14.48	395.83
09.May 17	411.99	06.11.35	385.73	14.46	398.83
10.May 17	409.18	06.16.28	386.20	14.26	397.22
11.May 17	410.12	07.35.36	374.94	14.55	393.06
12.May 17	404.49	06.04.51	374.94	14.46	390.60
13.May 17	406.13	06.01.47	378.70	14.55	392.05
14.May 17	409.88	08.00.53	383.85	23.23	398.29
15.May 17	405.19	06.57.28	380.57	14.46	391.70
16.May 17	403.79	06.01.34	377.05	15.19	390.76
17.May 17	398.16	18.47.53	379.63	15.23	390.31
18.May 17	404.02	06.03.27	384.09	00.07	392.71
19.May 17	410.35	19.02.13	382.68	13.57	395.11
20.May 17	409.18	06.01.46	385.73	23.53	398.19
21.May 17	421.61	17.48.57	394.41	00.47	403.32
22.May 17	411.99	07.37.40	388.78	12.45	399.36
23.May 17	409.65	06.31.26	385.03	23.10	396.87
24.May 17	407.54	06.02.34	384.32	22.28	395.28
25.May 17	405.19	06.03.00	377.52	14.44	391.00
26.May 17	403.08	21.45.00	374.94	13.55	386.98
27.May 17	407.57	08.03.00	374.01	14.49	391.10
28.May 17	416.92	07.44.00	384.56	00.09	399.30
29.May 17	419.03	06.15.00	385.73	15.29	400.41
30.May 17	411.99	06.02.00	382.21	14.48	397.20
31.May 17	412.23	12.34.00	389.95	19.46	401.43

All figures in kV

Date	400kV Bawana Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01.May 17	413.63	18.01.39	393.70	22.42	402.02
02.May 17	412.46	06.01.15	395.11	00.00	404.26
03.May 17	413.63	05.33.43	397.92	00.06	405.84
04.May 17	415.51	06.01.34	398.63	22.54	407.00
05.May 17	414.34	05.37.48	397.22	14.45	405.45
06.May 17	414.34	06.04.29	395.11	22.23	404.87
07.May 17	413.87	06.15.02	391.59	23.09	406.15
08.May 17	411.99	05.47.11	393.70	14.47	402.17
09.May 17	415.51	06.06.54	394.64	14.43	403.84
10.May 17	411.99	05.33.22	396.05	14.24	403.58
11.May 17	414.34	07.22.20	392.76	14.57	403.15
12.May 17	410.82	06.03.31	389.72	14.44	399.85
13.May 17	409.88	06.01.40	391.12	14.54	399.52
14.May 17	413.17	07.55.36	391.59	23.22	403.65
15.May 17	410.12	07.31.52	392.30	00.08	399.43
16.May 17	408.48	05.59.07	386.90	15.21	398.12
17.May 17	410.35	06.03.24	392.06	15.53	401.30
18.May 17	410.35	06.01.14	394.41	14.39	400.82
19.May 17	410.12	06.02.38	390.4	14.50	401.02
20.May 17	413.63	06.01.19	394.88	19.23	403.10
21.May 17	427.47	18.02.15	--	17.46	395.46
22.May 17	416.68	06.01.17	395.81	12.49	405.52
23.May 17	413.40	05.21.52	396.28	19.48	404.03
24.May 17	410.12	05.05.35	393.70	15.26	400.93
25.May 17	409.18	06.03.00	392.76	23.05	399.61
26.May 17	411.99	20.50.00	393.23	14.56	401.27
27.May 17	411.29	06.01.00	392.06	23.09	400.48
28.May 17	419.50	07.49.00	394.41	00.13	404.99
29.May 17	420.67	07.35.00	396.75	19.49	406.31
30.May 17	413.63	06.02.00	393.47	15.25	403.38
31.May 17	413.87	08.16.00	398.16	19.38	406.24

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

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	Kashmeregate 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 MAY 2017

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
1	22.3.17	22:30	LODHI RD 220/33kV 100MVA Tx-II	Contd.		DIFFERENTIAL & BUCHHOLZ RELAY AND GOT DAMAGED. INTERNAL FAULT IN R PHASE WINDING.
2	1.5.17	09:28	GEETA COLONY 220/33kV 100MVA Tx-II	1.5.17	11:27	86, DIFFERENTIAL TRIP, Y PHASE PT DAMAGED.
3	1.5.17	12:48	220kV MEHRAULI - BTPS CKT. - I	1.5.17	16:32	AT MEHRAULI : DIST PROT, ZONE-I, DIST 15.12KM. AT BTPS : DIST PROT, ZONE-I, DIST 2.6KM.
4	2.5.17	09:35	OKHLA 66/11kV, 20MVA Tx-I	2.5.17	09:45	86. ON 11KV GIRI NAGAR FEEDER O/C, E/F RELAY APPEARED BUD IT DID NOT TRIP.
5	2.5.17	14:20	220kV BAWANA-DSIIDC BAWANA CKT-II	2.5.17	14:57	AT BAWANA : WITHOUT INDICATION.
6	2.5.17	19:44	NARAINA 220/33kV 100MVA Tx-III	2.5.17	20:08	I/C-III TRIPPED ON NON DIRECTIONAL O/C, E/F.
7	3.5.17	02:06	220kV NARELA - MANDOLA CKT-I	3.5.17	02:39	AT MANDOLA : SPS OPERATION.
8	3.5.17	02:06	220kV GOPALPUR- MANDOLA CKT-II	3.5.17	02:38	AT MANDOLA : SPS OPERATION.
9	3.5.17	02:06	220kV NARELA - MANDOLA CKT-II	3.5.17	02:39	AT MANDOLA : SPS OPERATION.
10	3.5.17	02:06	220kV GOPALPUR- MANDOLA CKT-I	3.5.17	02:38	AT MANDOLA : SPS OPERATION.
11	3.5.17	02:09	220kV DSIIDC BAWANA-NARELA CKT-II	3.5.17	02:38	AT NARELA : DIFFERENTIAL, 86 ON BOTH ENDS..
12	3.5.17	02:09	220kV DSIIDC BAWANA-NARELA CKT-I	3.5.17	02:38	AT NARELA : DIFFERENTIAL, 86 ON BOTH ENDS.
13	3.5.17	06:55	GEETA COLONY 220/33kV 100MVA Tx-II	3.5.17	13:02	BUCHHOLZ, 86, OIL PRESSURE TROUBLE ALARM.
14	3.5.17	15:21	220kV MUNDKA-KANJHAWALA CKT	3.5.17	16:06	AT MUNDKA : DIST PROT, ZONE-II AT KHANJAWALA : DIST PROT, ZONE-I, RYB PHASE.
15	4.5.17	13:00	220kV BAWANA-DSIIDC BAWANA CKT-I	4.5.17	17:00	AT BAWANA : DIST PROT, ZONE-I, DIST 1.73KM. AT DSIDC : DIST PROT, DIST 4.81KM.
16	5.5.17	14:14	MUNDKA 400/220kV 315MVA ICT-IV	5.5.17	14:57	INTER TRIP. 220KV I/C-IV TRIPPED ON 195 & 295 RYB, 86, GROUP A&B. FIRE REPORTED ON BUS-I ISOLATOR NO 20989A OF 220KV I/C-II.
17	5.5.17	14:14	MUNDKA 400/220kV 315MVA ICT-II	5.5.17	14:56	INTER TRIP. FIRE REPORTED ON BUS-I ISOLATOR NO 20989A OF 220KV I/C-II.
18	6.5.17	14:22	MUNDKA 400/220kV 315MVA ICT-IV	6.5.17	15:30	TRIPPED WHILE NORMALIZING ICT-II. FIRE REPORTED ON BUS-I ISOLATOR NO 20989A OF 220KV I/C-II.
19	6.5.17	14:22	220kV MUNDKA-NAJAFGARH CKT	6.5.17	14:32	AT NAJAFGARH : BACK UP PROTECTION, R PHASE, MAIN-2.
20	6.5.17	18:45	400kV Ballabhgarh-Bamnauli Ckt-I	6.5.17	19:12	AT BALLABGARH CKT. TRIPPED AT BAMNAULI CKT. DID NOT TRIP.
21	7.5.17	13:34	220kV BAWANA-DSIIDC BAWANA CKT-II	7.5.17	16:38	AT DSIDC BAWANA : DIST PROT, B PHASE AT BAWANA : DIST PROT, ZONE-I, DIST 3.1KM.
22	8.5.17	17:34	OKHLA 220/33kV 100MVA Tx-III	8.5.17	19:34	E/F, 86. 33KV I/C Y PHASE PT DAMAGED.
23	10.5.17	07:02	220kV DSIIDC BAWANA-NARELA CKT-II	10.5.17	07:21	AT NARELA : WITHOUT INDICATION.
24	10.5.17	17:10	OKHLA 220/33kV 100MVA Tx-III	10.5.17	19:15	86, E/F, OIL LEAKAGE FROM R PHASE PT.
25	10.5.17	17:14	PATPARGANJ 220/66kV 100MVA Tx-II	10.5.17	19:15	64RLV.
26	11.5.17	12:59	WAZIRABAD 66/11kV, 20MVA Tx-III	11.5.17	16:48	SPR.
27	13.5.17	03:07	HARSH VIHAR 220/66KV 160MVA ICT-3	13.5.17	04:18	66KV I/C-III TRIPPED ON 86. LOCAL SUPPLY FAILED, TERTIARY FAILED LEADING TO TRIPPING OF BATTERY CHARGER I&II AND SUPPLY FROM BATTER FAILED. LOCAL SUPPLY RESTORED AT 03.00HRS. SUBSEQUENTLY ALL 66KV I/Cs AND 66KV FEEDERS TRIPPED AT 03.06HRS.

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
28	13.5.17	03:07	HARSH VIHAR 220/66KV 160MVA ICT-1	13.5.17	04:18	66KV I/C-I TRIPPED ON 86. LOCAL SUPPLY FAILED, TERTIARY FAILED LEADING TO TRIPPING OF BATTERY CHARGER I&II AND SUPPLY FROM BATTER FAILED. LOCAL SUPPLY RESTORED AT 03.00HRS. SUBSEQUENTLY ALL 66KV I/Cs AND 66KV FEEDERS TRIPPED AT 03.06HRS.
29	13.5.17	03:07	HARSH VIHAR 220/66KV 160MVA ICT-2	13.5.17	04:18	66KV I/C-II TRIPPED ON 86. LOCAL SUPPLY FAILED, TERTIARY FAILED LEADING TO TRIPPING OF BATTERY CHARGER I&II AND SUPPLY FROM BATTER FAILED. LOCAL SUPPLY RESTORED AT 03.00HRS. SUBSEQUENTLY ALL 66KV I/Cs AND 66KV FEEDERS TRIPPED AT 03.06HRS.
30	14.5.17	09:03	400kV Bawana-Mundka Ckt-II	STILL OUT		AT MUNDKA : DIST PROT, Z-I, ALL PHASE, AT BAWANA DIST PROT, RYB PHASE. TOWER BEND AND POLYMER INSULATORS DAMAGED DUE TO FIRE IN PLASTIC DUMP NEAR TOWER LINE AT MUNDKA
31	14.5.17	09:03	400kV Bawana-Mundka Ckt-I	STILL OUT		AT MUNDKA : CKT. PUT OFF MANUALLY.. TOWER BEND AND POLYMER INSULATORS DAMAGED DUE TO FIRE IN PLASTIC DUMP NEAR TOWER LINE AT MUNDKA
32	14.5.17	12:27	220KV WAZIRABAD - MANDOLA CKT-III	14.5.17	12:55	AT WAZIRABAD : E/F, RYB PHASE. AT MANDOLA : DID NOT TRIP.
33	14.5.17	12:40	220 KV GOPALPUR-WAZIRABAD CKT-2	14.5.17	12:55	AT MANDOLA : ABC PHASE, DIST PROT, ZONE-II, DIST 6.3KM.
34	14.5.17	13:04	220kV MEHRAULI - BTPS CKT. - II	14.5.17	14:05	AT MEHRAULI : DIST PROT, ZONE-I, DIST 13.35KM,. AT BTPS : DIST PROT, ZONE-I, DIST 3.7KM.
35	15.5.17	06:40	OKHLA 66/11kV, 20MVA Tx-I	15.5.17	07:34	E/F, 86.
36	15.5.17	07:28	220KVBAWANA- ROHINI CKT-I	15.5.17	09:31	AT BAWANA : DIST PROT, ZONE-I, DIST 2.0KM. AT ROHINI : DID NOT TRIP.
37	15.5.17	07:28	220KVBAWANA- ROHINI CKT-II	15.5.17	09:31	AT ROHINI : DIST PROT, ZONE-I, 186AB. AT BAWANA : DIST PROT, ZONE-I, DIST 15.83KM.
38	18.5.17	13:24	WAZIRABAD 220/66kV 100MVA Tx-III	18.5.17	14:11	86. 66KV YAMUNA VIHAR CKT. ï I TRIPPED ON DIST PROT, Z-1, B PHASE. EARTH STRIP OF B PHASE DAMAGED.
39	18.5.17	13:30	220KV BAWANA-SHALIMARBAGH CKT-I	18.5.17	14:05	AT SHALIMARBAGH : 86A. AT BAWANA : DID NOT TRIP.
40	18.5.17	16:00	PARKSTREET 220/33kV 100MVA Tx-I	18.5.17	16:27	86.
41	19.5.17	06:41	220kV NARELA - MANDOLA CKT-II	19.5.17	09:51	AT NARELA : WITHOUT INDICATION. AT MANDOLA : DID NOT TRIP.
42	19.5.17	07:49	220kV BAMNAULI-NAJAFGARH CKT-II	19.5.17	09:53	AT BAMNAULI : DIST PROT, ZONE-I, DIST 1.122KM. AT NAJAFGARH : DIST PROT, ZONE-II, 86.
43	19.5.17	07:50	NARAINA 220/33kV 100MVA Tx-II	19.5.17	17:29	BUCHHOLZ, REF, GROUP ABC. I/C-II TRIPPED ON 86.
44	19.5.17	09:49	220kV BAWANA - KANJHAWALA CKT - 1	19.5.17	10:30	AT BAWANA : TC-II FAULTY.
45	19.5.17	09:55	220kV NARELA - MANDOLA CKT-II	19.5.17	13:13	AT NARELA : WITHOUT INDICATION. AT MANDOLA : DID NOT TRIP.
46	19.5.17	14:04	BAMNAULI 400/220kV 315MVA ICT-I	19.5.17	19:24	MAIN BUCHHOLZ.
47	20.5.17	23:53	220kV BAMNAULI-PAPPANKALAN-II CKT-I	21.5.17	00:23	AT BAMNAULI : MAIN-II, 186, 86. ABC. AT PAPANKALAN-II : DID NOT TRIP. 66KV GURU GOBIND SINGH CKT. I&II MADE OFF AT 00.15HRS. ON THE REQUEST OF BRPL CONTROL ROOM. FIRE INCIDENT REPORTED AT 66KV HASTAL GRID.

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
48	20.5.17	23:57	220kV BAMNAULI-PAPPANKALAN-II CKT-II	21.5.17	00:20	AT BAMNAULI : MAIN-II, 186, 86, ABC. AT PAPANKALAN-II : DID NOT TRIP. 66KV GURU GOBIND SINGH CKT. I&II MADE OFF AT 00.15HRS. ON THE REQUEST OF BRPL CONTROL ROOM. FIRE INCIDENT REPORTED AT 66KV HASTAL GRID.
49	21.5.17	06:47	SUBZI MANDI 33/11kV,16MVA Tx-I	21.5.17	07:16	86.
50	21.5.17	16:09	220kV MUNDKA-KANJHAWALA CKT	21.5.17	16:26	AT MUNDKA : TRIPPED ON GROUP A&B. AT KHANJAWALA : DID NOT TRIP.
51	21.5.17	16:21	DSIIDC Bawana 220/66kV 160MVA Tx-I	21.5.17	17:24	E/F, O/C.
52	21.5.17	16:43	BAWANA 400/220kV 315MVA ICT-I	21.5.17	20:26	OLTC BUCHHOLZ, Y PHASE TRIP.
53	21.5.17	16:43	BAWANA 400/220kV 315MVA ICT-III	22.5.17	00:36	ICT TRIPPED ON 186A&B, 86-A1, 86B1, 95A-1,95B1. DIFFERENTIAL TRIP.
54	21.5.17	16:43	400kV Mandola-Bawana Ckt-II	21.5.17	21:03	AT BAWANA : TRIPPED ON 30C&30E, DIST PROT, ZONEï 1, DIST 990MTS. AT MANDOLA: INTERTRIPPING
55	21.5.17	17:22	220kV GOPALPUR- MANDOLA CKT-I	21.5.17	20:52	AT GOPALPUR : DIST PROT, ZONE-I, DIST 5.8KM, 86.
56	21.5.17	17:26	SUBZI MANDI 33/11kV, 16MVA Tx-I	21.5.17	18:01	O/C, 86.
57	21.5.17	17:29	220kV MAHARANI BAGH - SARITA VIHAR CKT	21.5.17	19:18	AT MAHARANI BAGH: GEN. TRIP R PH, DIST PROT, Z-I, DIST 1.3KM AT SARITA VIHAR : DIST PROT, Z ï I, DIST 7.141KMS. AUTO RECLOSE, 186ABC.
58	21.5.17	17:33	220KV WAZIRABAD-GEETA COLONY CKT-I	21.5.17	18:31	AT GEETA COLONY : DIST PROT, Z-I, DIST 393.4MTS., E/F. AT WAZIRBAD : R&Y PHASE, DIST PROT. Z-I, DIST 5.581KM.
59	21.5.17	17:40	220KV PREET VIHAR- PATPARGANJ CKT-I	21.5.17	18:06	AT PATPARGANJ : 86. AT PREET VIHAR : DID NOT TRIP
60	21.5.17	17:40	220KV PREET VIHAR- PATPARGANJ CKT-II	21.5.17	19:58	AT PATPARGANJ : DIST PROT, ZONE-I, DIST 2.7KMS, R&Y PHASE, 87L, 86. AT PREET VIHAR : 86, 86L
61	21.5.17	17:44	PATPARGANJ 33/11KV, 16MVA TX	21.5.17	21:10	PRV I&II RELAY OPERATED & 86.
62	21.5.17	18:00	NARAINA 220/33KV 100MVA TX-II	21.5.17	19:00	86, GROUP B, REF, 64RHV. I/C TRIPPED WITHOUT INDICATION.
63	21.5.17	18:04	220KV HARSH VIHAR - PREET VIHAR CKT-II	21.5.17	19:18	AT HARSH VIHAR : 86, AUTO RECLOSE, CB TROUBLE, R&Y PHASE, GEN. TRIP. AT PREET VIHAR : CKT DID NOT TRIP
64	23.5.17	00:48	BAWANA 400/220kV 315MVA ICT-I	23.5.17	02:01	BUCHHOLZ, 86A, 86B.
65	23.5.17	12:07	BAWANA 400/220kV 315MVA ICT-I	23.5.17	16:31	BUCHHOLZ, 86 A&B.
66	24.5.17	12:53	WAZIRPUR 220/33kV 100MVA Tx-II	24.5.17	13:30	86A&B, GROUP A&B
67	24.5.17	12:53	WAZIRPUR 220/33kV 100MVA Tx-I	24.5.17	13:30	86A&B, GROUP A&B, LBB. I/C TRIPPED ON 86A&B, LBB.
68	24.5.17	13:01	220kV MAHARANIBAGH-MASJID MOTH CKT-II	24.5.17	13:40	AT MAHARANI BAGH : DIST PROT, ZONE-2, ZONE-III, DIST 6.4KM. AT MASJID MOTH : DID NOT TRIP.
69	24.5.17	13:01	220kV MAHARANIBAGH-MASJID MOTH CKT-I	24.5.17	13:40	AT MAHARANI BAGH : DIST PROT, ZONE-2, ZONE-III, DIST 7.4KM. AT MASJID MOTH : DID NOT TRIP.
70	24.5.17	13:02	NARAINA 220/33kV 100MVA Tx-II	24.5.17	13:19	REF TRIP AND I/C-II TRIPPED ON MASTER TRIP RELAY.
71	25.5.17	15:43	BAMNAULI 400/220kV 315MVA ICT-I	25.5.17	18:04	BUCHHOLZ, 86A1 & 86B1
72	26.5.17	12:33	220kV MUNDKA-NAJAFGARH CKT	26.5.17	13:49	AT MUNDKA : 86. AT NAJAFGARH CKT. DID NOT TRIP.
73	26.5.17	13:05	220kV BAMNAULI-NAJAFGARH CKT-II	26.5.17	13:55	AT BAMNAULI : DIST PROT ,DIST 214MTS. AT NAJAFGARH : DID NOT TRIP.
74	26.5.17	15:02	NAJAFGARH 66/11kV, 20MVA Tx-II	26.5.17	15:30	HIGH WINDING TEMP.
75	27.5.17	13:25	400kV Bamnauli-Jhatikara Ckt-II	27.5.17	21:32	AT BAMNAULI : DID NOT TRIP. AT JHATIKRA : DIST PROT, ZONE-II, DIST 10.KM.

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
76	28.5.17	05:30	INDRAPRASTHA POWER 220/33kV 100MVA Tx-II	28.5.17	07:17	I/C-I OF TR. TRIPPED ON E/F. 33KV BAY NO 28 ISOLATOR DAMAGED.
77	28.5.17	06:10	INDRAPRASTHA POWER 220/33kV 100MVA Tx-I	28.5.17	07:05	I/C-I OF TR. TRIPPED ON E/F, O/C.
78	28.5.17	13:25	BAWANA 400/220kV 315MVA ICT-I	28.5.17	21:10	BUCHHOLZ, AND 86 A&B.
79	28.5.17	16:28	NARAINA 220/33kV 100MVA Tx-III	28.5.17	17:22	R&B PHASE, O/C.
80	28.5.17	16:35	NARAINA 220/33kV 100MVA Tx-I	28.5.17	16:55	I/C -I TRIPPED WITHOUT INDICATION.
81	28.5.17	16:35	NARAINA 220/33kV 100MVA Tx-II	28.5.17	16:55	I/C -II TRIPPED WITHOUT INDICATION.
82	29.5.17	08:19	220kV MEHRAULI - BTPS CKT. - II	29.5.17	17:31	AT MEHRAULI : DIST PROT, ZONE-II, DIST 16.68KM. AT BTPS : DIST PROT, ZONE-I, DIST 17.47KM.
83	29.5.17	15:23	SARITA VIHAR 220/66kV 100MVA Tx-III	29.5.17	15:55	DIFFERENTIAL PROTECTION.
84	30.5.17	09:22	VASANT KUNJ 220/66kV 160MVA Tx-I	30.5.17	11:08	OVER FLUX.
85	31.5.17	11:25	NAJAFGARH 66/11kV, 20MVA Tx-II	31.5.17	11:27	O/C.
86	31.5.17	12:30	PAPPANKALAN-II 220/66kV 100MVA Tx-II	31.5.17	14:20	DIFFERENTIAL PROT, BUCHHOLZ RELAY OPERATED.

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

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