

DELHI TRANSCO LTD.

STATE LOAD DISPATCH CENTER

PROGRESS REPORT

MAY 2016

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Sr. No.	Features	MAY 2015	MAY 2016
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)	4518	6038
	Date	30.04.15	20.05.16
	Time	15.32.55	15.18.12
3	Peak Demand met (MW)	4517	6188
	Date	30.04.15	20.05.16
	Time	15.32.55	15.18.12
4	Peak Availability (MW)	4379	6178
5	Shortage (-) / Surplus (+) in MW	(-) 138	(-) 10
6	Percentage Shortage (-) / Surplus (+)	(-) 3.06	(-) 0.16
7	Maximum Energy Consume in a day (Mus)	92.955	129.076
8	Energy Consumed during the month	2260.411	3278.924
9	Load Shedding in Mus		
A)	Due to Grid Restrictions		
i)	Under Frequency Relay Operations	0.000	0.000
ii)	Manual Load shedding from DTL S/Stns.	0.000	0.000
iii)	Load Shedding due to low frequency / Low Voltage / TTC/ATC Violation		
	NDPL	0.131	0.093
	BRPL	0.398	0.677
	BYPL	0.044	0.086
	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	0.573	0.856
B)	Due to Constraints in System in Mus		
	DTL	0.699	2.862
	NDPL	0.240	0.171
	BRPL	0.216	2.142
	BYPL	0.275	0.242
	NDMC	0.000	0.000
	MES	0.000	0.000
	Other Agencies	0.000	2.507
	Total	1.430	5.417
11	Grand Total in Mus	2.003	6.273

2. PERFORMANCE OF GENERATING STATIONS WITHIN DELHI DURING MAY 2016

A) For the month of May 2016

All Figures in MUs

S. No	Stations	Gross Generation	Aux. Consumption	Net Generation	Availability (%)	Backing Down
1.	RPH	0.000	0.690	-0.690	0.000	0.000
2.	GT	64.266	2.777	61.489	78.59	91.249
3.	PPCL	191.187	4.677	186.510	86.40	19.958
4.	BTPS	218.602	22.349	196.253	49.17	26.589
5.	Rithala	0.000	0.062	-0.062	89.17	61.008
6.	Bawana	162.514	5.938	156.576	70.74	549.330
7.	Towmcl	13.740	2.042	11.698	--	0
	TOTAL	650.309	38.535	611.774	--	748.134

B) For the Year 2016-17 (Upto May 2016)

Power Station	Effective Capacity (MW)	Net Generation in MUs for May 2016	Availability (%) for May 2016	PLF (%) for May 2016	Cumulative Generation in MUs upto May 2016 for the year 2016-17	Cumulative Availability in % upto May 2016 for the year 2016-17	Cumulative PLF in % upto May 2016 for the year 2016-17
RPH	135	-0.690	0.000	-1.06	-1.123	0.00	-1.04
GT	270	61.489	78.59	31.76	85.969	82.72	22.46
PPCL	330	186.510	86.40	78.20	348.957	91.69	74.11
BTPS	705	196.253	49.17	43.10	419.942	53.53	45.14
Rithala	108	-0.062	89.17	0.00	-0.122	89.17	0.00
Bawana	1372	156.576	70.74	16.03	229.097	66.43	11.75
Towmcl	16	11.698	--	115.42	22.863	--	--
TOTAL	2936	611.774	--	--	1105.583	--	--

3 DETAILS OF OUTAGES OF GENERATING STNS. WITHIN DELHI W.E.F. APRIL 2016

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	30.03.16	13:52	17.04.16	10:45	Machine tripped as heavy jerk observed in Control room and 160 MVA Tr-i& II tripped at 220 KV end due to tripping of Geeta Colony to Wazirabad ckt. Machine not taken on load due to less demand from SLDC.
		17.04.16	10:45	17.04.16	18:45	Station shut down to attend ACW line.
		17.04.16	18:45	29.04.16	19:15	Stopped due to low demand and high frequency
		13.5.16	16:10	13.5.16	17:47	Machine stopped to replace the broken drain valve in the inlet line of ACW.
		15.5.16	08:40	15.5.16	11:00	machine stopped to attend the leakage of oil from LV bushing of Unit Transformer. Machine cleared by Electrical division at 11:00 hrs but machine not taken on load due to low schedule from SLDC.
		15.5.16	11:00	16.5.16	10:54	Machine stopped as per SLDC message
		23.5.16	15:46	25.5.16	15:30	Machine tripped due to tripping of 160 MVA Tr-I& II. After that machine not taken on load due to less demand
		28.5.16	12:01	31.5.16	23:59	Machine stopped due to less schedule from SLDC

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
2	30	28.01.16	01:20	31.03.16	23:59	Stopped due to low demand and high frequency
		01.04.16	18:00	17.04.16	10:45	
		17.04.16	10:45	17.04.16	18:45	Station shut down to attend ACW line.
		17.04.16	18:45	5.5.16	15:11	Stopped due to low demand and high frequency
		5.5.16	15:57	5.5.16	16:40	Machine stopped due to problem in ACW line.
		7.5.16	17:02	7.5.16	17:52	Problem in battery charger
		19.5.16	00:02	19.5.16	01:03	T-Communication link inoperative
		23.5.16	15:46	23.5.16	15:50	Machine came on FSNL due to tripping of 160 MVA Tr-I& II.
		25.5.16	06:09	25.5.16	06:52	T-Communication link inoperative
		26.5.16	18:15	26.5.16	23:20	Machine tripped on high exhaust trip alarm.
		29.5.16	00:50	31.5.16	23:59	Machine stopped due to less schedule from SLDC

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
3	30	01.02.16	19:15	17.04.16	10:45	Stopped due to low demand and high frequency
		17.04.16	10:45	17.04.16	18:45	Station shut down to attend ACW line.
		17.04.16	18:45	12.05.16	12.00	Stopped due to low demand and high frequency
		12.5.16	12:00	19.5.16	23:09	Machine under shut down as permit taken by Electrical division to replace its 66 KV breaker.
		19.5.16	23:09	20.5.16	20:52	Machine available but not taken on load due to less schedule from SLDC
		20.5.16	23:58	31.5.16	23:59	Machine stopped as per SLDC message

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
4	30	29.01.16	14:00	17.04.16	10:45	Stopped due to low demand and high frequency
		17.04.16	10:45	17.04.16	18:45	Station shut down to attend ACW line.
		17.04.16	18:45	16.05.16	15:04	Stopped due to low demand and high frequency
		16.5.16	18:04	18.5.16	16:12	Machine stopped due to low schedule from SLDC
		21.5.16	16:05	21.5.16	17:57	supply of Computer failed.
		23.5.16	15:46	24.5.16	15:25	Machine tripped due to tripping of 160 MVA Tr-I& II. After that machine nottaken on load due to less demand
		24.5.16	16:27	31.5.16	23:59	Machine stopped due to low schedule from SLDC

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
5	30	14.03.16	19:15	01.04.16	15:05	machine not taken on load due to less schedule from SLDC
		11.04.16	19:06	11.04.16	21:22	Stopped due to low demand and high frequency
		17.04.16	10:45	17.04.16	18:38	Station shut down to attend ACW line.
		18.04.16	12:54	24.04.16	10:55	Stopped due to low demand and high frequency
		29.04.16	19:15	13.05.16	17.10	
		13.5.16	19:30	16.5.16	13:29	Machine stopped due to low schedule from SLDC
		20.5.16	23:42	21.5.16	18:08	machine stopped to attend leakage of oil from IGV
		21.5.16	18:55	21.5.16	20:04	Machine tripped on high exhaust temperature
		22.5.16	11:46	23.5.16	11:30	Machine stopped due to low schedule from SLDC
		23.5.16	11:55	23.5.16	12:30	machine desynchronise to check the position of Bleed valve.
		23.5.16	15:46	24.5.16	15:42	Machine tripped due to tripping of 160 MVA Tr-I& II. After that machine nottaken on load due to less demand
		25.5.16	16:35	26.5.16	19:05	Machine stopped due to low schedule from SLDC
		27.5.16	00:07	27.5.16	17:20	Machine stopped due to low schedule from SLDC
		27.5.16	17:25	28.5.16	11:07	Machine stopped due to low schedule from SLDC
		29.5.16	22:10	29.5.16	22:22	Machine came on FSNL due to tripping of 160 MVA Tr-I& II.

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
6	30	19.03.16	11:40	6.04.16	12:00	Stopped due to low demand and high frequency
		06.04.16	12:00	11.04.16	18:10	machine taken under S/d for Combustion Inspection & Boroscopic Inspection
		11.04.16	21:06	17.04.16	10:45	Stopped due to low demand and high frequency
		17.04.16	10:45	17.04.16	18:45	Station shut down to attend ACW line.
		17.04.16	18:45	18.04.16	11:30	Stopped due to low demand and high frequency
		24.04.16	11:44	13.05.16	18.45	
		13.5.16	20:15	16.5.16	17:23	Machine stopped due to low schedule from SLDC
		23.5.16	15:46	23.5.16	16:37	Machine tripped due to tripping of 160 MVA Tr-I& II.
		29.5.16	01:50	31.5.16	23:59	Machine stopped due to low schedule from SLDC

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG -1	30	29.1.16	14:00	01.04.16	18:05	M/c cleared from maintenance side but Stopped due to low demand and high frequency
		17.04.16	10:45	17.04.16	18:45	Station shut down to attend ACW line.
		17.04.16	18:45	29.04.16	19:15	Stopped due to low demand and high frequency
		01.5.16	21:27	01.5.16	22:59	Machine tripped due to failure of LT supply.
		13.5.16	16:10	13.5.16	18:48	Machine stopped due to problem in ACW line.
		23.5.16	15:46	23.5.16	17:25	Machine tripped due to tripping of 160 MVA Tr-I& II.
		23.5.16	19:20	24.5.16	14:04	Machine stopped as per SLDC message
		29.5.16	00:50	31.5.16	23:59	Machine stopped as per SLDC message

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG -2	30	29.01.16	14:00	17.04.16	10:45	M/c cleared from maintenance side Stopped due to low demand and high frequency
		17.04.16	10:45	17.04.16	18:45	Station shut down to attend ACW line.
		17.04.16	18:45	19.05.16	07:45	Stopped due to low demand and high frequency
		21.5.16	16:04	21.5.16	19:15	Machine tripped due to tripping of GT#4
		23.5.16	15:46	23.5.16	17:25	Machine tripped due to tripping of 160 MVA Tr-I& II.
		23.5.16	17:25	31.5.16	23:59	Machine not taken on load due to less schedule from SLDC

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG -3	30	19.03.16	18.15	01.04.16	17:45	Machine not taken on load due to less schedule from SLDC
		01.04.16	18:30	01.04.16	19:26	Tripped on Gen. Class-A relay
		01.04.16	19:32	01.04.16	20:07	Tripped on Gen. Class-A relay
		11.04.16	21:06	11.04.16	21:45	Machine stopped due to stopping of GT#6.
		17.04.16	10:45	17.04.16	19:57	Station shut down to attend ACW line.
		29.04.16	19:15	09.05.16	15.52	Stopped due to low demand and high frequency
		16.5.16	16:02	16.5.16	16:30	Machine stopped to attend false over speed alarm
		21.5.16	21:28	21.5.16	23:52	Machine tripped on Turbine FJB shaft vibration very high
		23.5.16	15:46	23.5.16	17:30	Machine tripped due to tripping of 160 MVA Tr-I& II.
		29.5.16	22:10	29.5.16	23:45	Machine tripped due to tripping of 160 MVA Tr-I& II.
		31.5.16	20:16	31.5.16	23:45	SNH feeder tripped & found earth fault.

(C) PRAGATI

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	104	01.04.16	00.00	06.04.16	06.00	Stopped due to low demand and high frequency

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
2	104	01.04.16	00.00	01.04.16	03.18	Stopped due to low demand and high frequency
		06.04.16	08.40	11.04.16	04.31	G.T.-2 was swpped by G.T. -1 and started as desired
		15.04.16	06.06	15.04.16	12.02	Unit stopped
		24.04.16	14.15	25.04.16	06.48	Stopped due to low demand and high frequency
		28.04.16	12.44	28.04.16	13.35	Unit tripped

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG	122	01.04.16	00.00	01.04.16	09.07	Stopped due to low demand and high frequency
		21.04.16	14.59	21.04.16	16.25	STG Tripped
		24.04.16	13.15	24.04.16	21.27	Unit stopped
		29.04.16	11.58	29.04.16	12.46	STG Tripped

(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	30.04.16	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	30.04.16	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	30.04.16	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	12.12.15	14.30	04.04.16	07.47	Stopped due to low demand and high frequency
		11.04.16	14.03	12.04.16	20.11	Economizer tube leakage

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
5	210	24.04.16	16.21	24.04.16	21.52	Stopped due to temp. high.

(E) BAWANA CCGT POWER STATION

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	216	16.07.15	02.18	31.05.16	23.59	Machine tripped due to compressor stalling alarm

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
2	216	24.03.16	00.00	03.05.16	06.00	Stopped due to low demand and high frequency
		03.05.16	06.00	03.05.16	09.30	Machine shutdown for planned mtc.
		03.05.16	09.30	31.05.16	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	28.03.16	00.00	15.04.16	10.00	Planned Shut down.
		15.04.16	10.00	03.05.16	06.00	Stopped due to low demand and high frequency
		03.05.16	06.00	03.05.16	09.30	Machine shutdown for planned mtc.
		03.05.16	09.30	31.05.16	23.59	Stopped due to low demand and high frequency

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
3	216	08.01.16	23.15	18.04.16	05.23	Stopped due to low demand and high frequency
		18.04.16	11.16	18.04.16	19.12	Unit tripped
		03.05.16	06.08	03.05.16	08.57	Machine shutdown for planned mtc.
		23.05.16	19.04	31.05.16	23.59	Stopped due to low demand and high frequency

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
4	216	08.01.16	23.15	03.05.16	06.00	Stopped due to low demand and high frequency
		03.05.16	06.00	03.05.16	09.30	Machine shutdown for planned mtc.
		03.05.16	09.30	27.05.16	01.12	Stopped due to low demand and high frequency
		30.05.16	11.16	31.05.16	23.59	

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG-2	254	28.03.16	00.00	30.04.16	23.59	Planned shutdown
		03.05.16	06.00	03.05.16	09.30	Machine shutdown for planned mtc.
		03.05.16	06.10	03.05.16	10.39	Machine shutdown for planned mtc.
		06.05.16	16.45	06.05.16	17.44	Unit tripped
		23.05.16	19.06	27.05.16	08.24	Stopped due to low demand and high frequency
		27.05.16	11.18	31.05.16	23.59	Stopped due to low demand and high frequency

(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	31.05.16	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	31.05.16	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	31.05.16	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 01.04.2016

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	735	639	0	0	639
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	2362	2069	0	0	2069
<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	3188	2846	0	0	2846
<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	643	577	0	0	577
Ultra Mega Projects							
Sasan	3960	0	446	383	0	0	383
Grand Total	29847	2377	4536	4023	0	0	4023

5 ALLOCATION OF POWER TO DISCOMS

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

(Allocation In %)

(A) 10.00hrs. to 17.00hrs.

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

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

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

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

6 POWER AVAILABILITY-DEMAND POSITION AT THE TIME OF PEAK DEMAND MET DURING MAY 2016

All figures in MW

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	Towmel	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	23.30.00	0	34	261	0	253	9	327	884	3652	3461	191	4536	0	4536
2	23.30.12	0	33	281	0	305	8	361	988	4025	3894	131	5013	16	5029
3	23.03.04	0	34	290	0	276	12	366	978	4220	4125	95	5198	24	5222
4	00.00.28	0	34	299	0	270	11	264	878	3951	4154	-203	4829	5	4834
5	16.00.57	0	56	281	0	253	13	323	926	3780	3864	-84	4706	0	4706
6	15.51.32	0	72	145	0	251	15	328	811	3839	3868	-29	4650	0	4650
7	23.14.20	0	73	148	0	253	16	320	810	3815	3746	69	4625	3	4628
8	23.11.18	0	73	146	0	253	14	322	808	3994	3882	112	4802	2	4804
9	15.23.01	0	71	141	0	255	16	316	799	4205	4143	62	5004	0	5004
10	16.17.16	0	72	143	0	248	15	174	652	4487	4377	110	5139	0	5139
11	22.42.08	0	74	252	0	255	16	158	755	4323	4302	21	5078	0	5078
12	15.04.53	0	70	262	0	255	16	162	765	4530	4414	116	5295	0	5295
13	15.40.32	0	68	279	0	255	16	173	791	4587	4585	2	5378	46	5424
14	23.17.19	0	64	295	0	255	16	179	809	4421	4341	80	5230	3	5233
15	23.27.43	0	39	264	0	253	18	160	734	4603	4484	119	5337	0	5337
16	14.57.20	0	95	293	0	255	16	182	4601	4601	4502	99	9202	42	9244
17	15.27.49	0	135	291	0	253	15	183	877	4765	4712	53	5642	13	5655
18	15.22.58	0	137	291	0	288	16	185	917	4816	4700	116	5733	30	5763
19	15.36.39	0	168	290	0	290	14	182	944	5100	5055	45	6044	77	6121
20	15.18.12	0	167	288	0	256	16	181	908	5280	5290	-10	6188	120	6308
21	14.39.57	0	131	293	0	253	16	361	1054	4779	4730	49	5833	8	5841
22	23.07.53	0	134	297	0	254	16	320	1021	4613	4583	30	5634	18	5652
23	14.21.04	0	158	295	0	251	16	357	1077	4663	4587	76	5740	7	5747
24	23.30.43	0	94	265	0	-4	16	321	692	4338	4180	158	5030	8	5038
25	15.36.37	0	88	263	0	-2	16	325	690	4573	4436	137	5263	0	5263
26	07:12:00	0	94	270	0	-4	16	318	694	4724	4573	151	5418	1	5419
27	23.30.00	0	94	270	0	255	17	319	955	4551	4430	121	5506	1	5507
28	00.00.00	0	98	268	0	255	17	317	955	4545	4441	104	5500	0	5500
29	00.01.53	0	109	269	0	255	17	317	967	3786	3833	-47	4753	0	4753
30	14.30.00	0	31	264	0	-5	18	313	621	3587	3693	-106	4208	0	4208
31	15.30.00	0	29	265	0	-4	16	306	612	4282	4210	72	4894	0	4894

POWER AVAILABILITY- DEMAND POSITION AT THE TIME OF MAXIMUM UNRESTRICTED DEMAND DURING MAY 2016

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	Towmcl	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	23.30.00	0	34	261	0	253	9	327	884	3652	3461	191	4536	0	4536
2	23.30.12	0	33	281	0	305	8	361	988	4025	3894	131	5013	16	5029
3	23.03.04	0	34	290	0	276	12	366	978	4220	4125	95	5198	24	5222
4	00.00.28	0	34	299	0	270	11	264	878	3951	4154	-203	4829	5	4834
5	16.00.57	0	56	281	0	253	13	323	926	3780	3864	-84	4706	0	4706
6	15.51.32	0	72	145	0	251	15	328	811	3839	3868	-29	4650	0	4650
7	23.14.20	0	73	148	0	253	16	320	810	3815	3746	69	4625	3	4628
8	23.11.18	0	73	146	0	253	14	322	808	3994	3882	112	4802	2	4804
9	15.23.01	0	71	141	0	255	16	316	799	4205	4143	62	5004	0	5004
10	16.17.16	0	72	143	0	248	15	174	652	4487	4377	110	5139	0	5139
11	22.42.08	0	74	252	0	255	16	158	755	4323	4302	21	5078	0	5078
12	15.04.53	0	70	262	0	255	16	162	765	4530	4414	116	5295	0	5295
13	15.40.32	0	68	279	0	255	16	173	791	4587	4585	2	5378	46	5424
14	23.17.19	0	64	295	0	255	16	179	809	4421	4341	80	5230	3	5233
15	23.27.43	0	39	264	0	253	18	160	734	4603	4484	119	5337	0	5337
16	14.57.20	0	95	293	0	255	16	182	4601	4601	4502	99	9202	42	9244
17	15.27.49	0	135	291	0	253	15	183	877	4765	4712	53	5642	13	5655
18	15.22.58	0	137	291	0	288	16	185	917	4816	4700	116	5733	30	5763
19	15.36.39	0	168	290	0	290	14	182	944	5100	5055	45	6044	77	6121
20	15.18.12	0	167	288	0	256	16	181	908	5280	5290	-10	6188	120	6308
21	14.39.57	0	131	293	0	253	16	361	1054	4779	4730	49	5833	8	5841
22	23.07.53	0	134	297	0	254	16	320	1021	4613	4583	30	5634	18	5652
23	14.21.04	0	158	295	0	251	16	357	1077	4663	4587	76	5740	7	5747
24	23.30.43	0	94	265	0	-4	16	321	692	4338	4180	158	5030	8	5038
25	15.36.37	0	88	263	0	-2	16	325	690	4573	4436	137	5263	0	5263
26	07:12:00	0	94	270	0	-4	16	318	694	4724	4573	151	5418	1	5419
27	23.30.00	0	94	270	0	255	17	319	955	4551	4430	121	5506	1	5507
28	00.00.00	0	98	268	0	255	17	317	955	4545	4441	104	5500	0	5500
29	00.01.53	0	109	269	0	255	17	317	967	3786	3833	-47	4753	0	4753
30	14.30.00	0	31	264	0	-5	18	313	621	3587	3693	-106	4208	0	4208
31	15.30.00	0	29	265	0	-4	16	306	612	4282	4210	72	4894	0	4894

SOURCEWISE SCHEDULED DRAWL FROM NORTHERN GRID AS WELL AS AVAILABILITY WITHIN DELHI FOR MAY 2016

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

A (i) RPH	0.000
(ii) GT+STG	64.266
(iii) PRAGATI	191.187
(iv) RITHALA	0.000
(v) BAWANA CCGT	162.514
(vi) Timarpur ó Okhla	13.740
TOTAL	431.707
B) AVAILABILITY FROM BTPS	194.848
C) AUXILIARY CONSUMPTION OF GENERATING STNs. EXCLUDING BTPS	16.186
D) NET GENERATION AVAILABLE WITHIN DELHI(A+B-C)	610.369

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	8.465	8.231	6.315	6.141
SALAL	48.971	47.613	36.533	35.519
SASAN	273.640	266.077	266.789	259.407
TANKAPUR	2.258	2.195	1.684	1.637
CHAMERA	21.274	20.685	15.870	15.431
CHAMERA -II	26.946	26.199	20.100	19.543
CHAMERA -III	17.491	17.006	13.049	12.687
DHAULGANGA	12.567	12.216	9.374	9.112
SEWA -2	5.632	5.476	4.201	4.085
URI	38.945	37.873	29.053	28.253
URI-II	22.916	22.285	17.093	16.622
KOLDAM	0.000	0.000	0.000	0.000
KOTESHWAR	5.661	5.504	5.661	5.504
PARBATI3	8.632	8.391	6.440	6.260
RAMPUR	0.000	0.000	0.000	0.000
MUNDRA_UMPP	0.000	0.000	0.000	0.000
ANTA (GAS)	9.161	8.909	5.300	5.155
ANTA (RLNG)	21.250	20.665	0.000	0.000
ANTA (LIQUID)	0.000	0.000	0.000	0.000
DADRI (GAS)	31.464	30.609	16.694	16.243
DADRI (RLNG)	30.316	29.474	0.000	0.000
DADRI (LIQUID)	0.000	0.000	0.000	0.000
AURAIYA (GAS)	8.306	8.075	5.266	5.124
AURAIYA (RLNG)	41.710	40.565	0.000	0.000
AURAIYA (LIQUID)	0.000	0.000	0.000	0.000
SINGRAULI	87.973	85.557	78.918	76.744
RIHAND -I	45.674	44.404	31.262	30.387
RIHAND -II	89.420	86.960	67.507	65.638
RIHAND -III	93.384	90.813	76.656	74.537
UNCHAAR-I	14.891	14.481	9.312	9.056
UNCHAAR-II	29.464	28.645	18.086	17.585
UNCHAAR-III	20.549	19.984	13.670	13.294
DADRI (TH)	539.028	524.196	284.087	276.253
DADRI (TH) STAGE-II	534.150	519.460	419.426	407.878
NAPP	26.767	26.025	26.767	26.025
RAPP 'B'	0.000	0.000	0.000	0.000
RAPP 'C'	25.967	25.259	25.967	25.259
NATHPA JHAKRI	89.507	87.004	66.772	64.905
DULASTI	36.844	35.830	27.485	26.728
TEHRI	7.355	7.151	7.355	7.151
JHAJJAR	369.741	359.426	224.200	217.842
KHELGAON	34.049	33.113	25.649	24.942
KHELGAON-II	107.780	104.823	85.958	83.595
FARAKA	11.649	11.328	9.548	9.284
TALA	4.779	4.646	4.806	4.672

NAME OF THE STATION	AVAILABILITY AT POWER PLANT	AVAILABILITY AT DELHI PERIPHERY	ALLOCATION MADE BY NRLDC AT POWER PLANT	ALLOCATION MADE BY NRLDC AT DELHI PERIPHERY
TALCHER	0.000	0.000	0.000	0.000
DVC	226.288	224.488	224.488	218.345
UTTAR PRADESH	4.838	4.742	4.742	4.612
TRIPUA	0.000	0.000	0.000	0.000
MEGHALAYA	5.727	5.706	5.706	5.551
ASSAM	0.000	0.000	0.000	0.000
DVC CTPS (BYPL)	0.000	0.000	0.000	0.000
DVC CTPS (NDPL)	0.000	0.000	0.000	0.000
METHON POWER(NDPL)LT-06	177.115	175.261	175.261	170.479
DVC MEJIA (LT-08)(BYPL)	71.776	71.202	71.202	69.240
URS	0.252	0.244	0.252	0.244
JAMMU & KASHMIR	5.892	5.836	5.836	5.676
HIMACHAL PRADESH	1.189	1.166	1.166	1.133
PUNJAB	0.000	0.000	0.000	0.000
MADHYA PRADESH	0.000	0.000	0.000	0.000
CHATTISHGARH	0.000	0.000	0.000	0.000
DVC LT-9	0.000	0.000	0.000	0.000
HARYANA (LT-05)	21.757	21.541	21.541	20.942
RAJASTHAN	67.572	66.298	66.298	64.475
ORISSA	0.000	0.000	0.000	0.000
RAJASTHAN(SOLAR) BRPL-LT36	4.166	4.086	4.086	3.973
RAJASTHAN(SOLAR) BYPL - LT-35	4.075	3.997	3.997	3.887
RAJASTHAN(SOLAR) TPDDL LT-31	4.025	3.947	3.947	3.839
TO JAMMU & KASHMIR	0.000	0.000	0.000	0.000
TO KARNATAKA	0.000	0.000	0.000	0.000
TO UTTAR PRADESH	-4.654	-4.772	-4.772	-4.906
TO MEGHALAYA	0.000	0.000	0.000	0.000
TO PUNJAB	0.000	0.000	0.000	0.000
TO CHATTISHGARH	0.000	0.000	0.000	0.000
TO UTTRANCHAL	0.000	0.000	0.000	0.000
TO KERALA	-0.273	-0.279	-0.279	-0.288
TO RAJASTHAN	0.000	0.000	0.000	0.000
TO WEST BENGAL	0.000	0.000	0.000	0.000
BTPS TO MP	0.000	0.000	0.000	0.000
TO HIMACHAL PRADESH	0.000	0.000	0.000	0.000
TO ORISSA	0.000	0.000	0.000	0.000
POWER EXCHANGE(IEX)	77.420	75.267	77.420	75.267
TO POWER EXCHANGE (IEX)	-102.240	-105.025	-102.240	-105.025
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)	-14.791	-15.214	-14.791	-15.214
TO SHARE PROJECT (PUNJAB)	-14.409	-14.822	-14.409	-14.822
TOTAL	3340.299	3250.821	2492.303	2415.906

C) AGENCY WISE BREAKUP OF ENERGY SCHEDULED DRAW 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	1596.741	1552.798	1026.183	997.894
NTPC - ER	153.478	149.264	121.155	117.821
NHPC	250.940	243.999	187.197	182.019
NPC	52.734	51.284	52.734	51.284
SASAN	273.640	266.077	266.789	259.407
KOTESHWAR	5.661	5.504	5.661	5.504
MUNDRA_UMPP	0.000	0.000	0.000	0.000
NATHPA JHAKRI	89.507	87.004	66.772	64.905
TEHRI	7.355	7.151	7.355	7.151
TALA	4.779	4.646	4.806	4.672
JHAJJAR	369.741	359.426	224.200	217.842
TALCHER	0.000	0.000	0.000	0.000
RAJASTHAN SOLAR(BRPL)T-36	4.166	4.086	4.086	3.973
RAJASTHAN SOLAR(BYPL)T-35	4.075	3.997	3.997	3.887
RAJASTHAN SOLAR(TPDDL)T-31	4.025	3.947	3.947	3.839
DVC	226.288	224.488	224.488	218.345

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
UTTAR PRADESH	4.838	4.742	4.742	4.612
TRIPURA	0.000	0.000	0.000	0.000
MEGHALAYA	5.727	5.706	5.706	5.551
ASSAM	0.000	0.000	0.000	0.000
DVC CTPS (BYPL)	0.000	0.000	0.000	0.000
DVC CTPS (NDPL)	0.000	0.000	0.000	0.000
METHON POWER (NDPL)-LT-06	177.115	175.261	175.261	170.479
DVC MEJIA (LT-08)(BYPL)	71.776	71.202	71.202	69.240
URS	0.252	0.244	0.252	0.244
JAMMU & KASHMIR	5.892	5.836	5.836	5.676
HIMACHAL PRADESH	1.189	1.166	1.166	1.133
PUNJAB	0.000	0.000	0.000	0.000
MADHYA PRADESH	0.000	0.000	0.000	0.000
CHATTISHGARH	0.000	0.000	0.000	0.000
DVC (FOR NDPL) LT-09	0.000	0.000	0.000	0.000
HARYANA (LT -05)	21.757	21.541	21.541	20.942
RAJASTHAN	67.572	66.298	66.298	64.475
ORISSA	0.000	0.000	0.000	0.000
POWER EXCHANGE(IEX)	77.420	75.267	77.420	75.267
POWER EXCHANGE(PX)	0.000	0.000	0.000	0.000
TOTAL	3476.666	3390.934	2628.795	2556.162

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 JAMMU & KASHMIR	0.000	0.000	0.000	0.000
TO KARNATAKA	0.000	0.000	0.000	0.000
TO UTTAR PRADESH	-4.654	-4.772	-4.772	-4.906
TO MEGHALAYA	0.000	0.000	0.000	0.000
TO CHATTISHGARH	0.000	0.000	0.000	0.000
TO PUNJAB	0.000	0.000	0.000	0.000
TO UTTRANCHAL	0.000	0.000	0.000	0.000
TO KERALA	-0.273	-0.279	-0.279	-0.288
TO RAJASTHAN	0.000	0.000	0.000	0.000
TO WEST BENGAL	0.000	0.000	0.000	0.000
BTPS TO MP	0.000	0.000	0.000	0.000
TO HIMACHAL PRADESH	0.000	0.000	0.000	0.000
TO ORISSA	0.000	0.000	0.000	0.000
TO POWER EXCHANGE (IEX)	-102.240	-105.025	-102.240	-105.025
TO POWER EXCHANGE (PX)	0.000	0.000	0.000	0.000
TO SHARE PROJECT (HARYANA)	-14.791	-15.214	-14.791	-15.214
TO SHARE PROJECT (PUNJAB)	-14.409	-14.822	-14.409	-14.822
TOTAL	-136.367	-140.113	-136.492	-140.256
TOTAL SCHEDULED DRAWAL FROM THE GRID	3340.299	3250.821	2492.303	2415.906

TOTAL CONSUMPTION INCLUDING AUX. OF GENERATING STNs. EXCLUDING BTPS		3295.110
NET CONSUMPTION		3278.924
AVAILABILITY WITHIN DELHI		610.369
ACTUAL DRAWAL FROM THE GRID		2668.555
OVER DRAWAL(+)/UNDER DRAWAL(-) FROM THE GRID ON THE BASIS OF SCHEDULED ALLOCATION MADE BY NRLDC TO DELHI AT PERIPHERY		252.649
LOAD SHEDDING		6.273
UNRESTRICTED DEMAND (GROSS)		3301.383
UNRESTRICTED DEMAND (NET)		3285.197
MAX. NET CONSUMPTION		128.446 ON 20.05.2016
MAX. LOAD SHEDDING		453MW ON 23.05.2016 AT 15.47HRS.
PEAK LOAD	Peak Demand during the month	SHEDDING AT PEAK TIME
DAY PEAK	6188MW AT 15.18.12HRS ON 20.05.2016	120 MW
EVENING PEAK	5875MW AT 23.30HRS ON 20.05.2016	46 MW
P.L.F. OF GENCO AND PRAGATI STNs.	RPH	0.00%
	GT	31.99%
	PRAGATI	77.87%
	RITHALA	0.00%
	BAWANA	15.93%
	Timarpur Okhla	115.42%

DATE	No. of Under Freq. Relay Operated	Shedding due to under frequency relay operation in MUs					Shedding due to Grid Restrictions (Over drawl / low freq.)				
		BSES		NDPL	NDMC	TOTAL	BSES		NDPL	NDMC	MES
		BYPL	BRPL				BYPL	BRPL			
1	2	3	4	5	6	7=3 to 6	8	9	10	11	12
01.May.16	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.029	0.000	0.000
02.May.16	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
03.May.16	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
04.May.16	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.006	0.000	0.000
05.May.16	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
06.May.16	0	0.000	0.000	0.000	0.000	0.000	0.000	0.009	0.000	0.000	0.000
07.May.16	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
08.May.16	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
09.May.16	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10.May.16	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11.May.16	0	0.000	0.000	0.000	0.000	0.000	0.000	0.064	0.000	0.000	0.000
12.May.16	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.016	0.000	0.000
13.May.16	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.000	0.000
14.May.16	0	0.000	0.000	0.000	0.000	0.000	0.000	0.017	0.000	0.000	0.000
15.May.16	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
16.May.16	0	0.000	0.000	0.000	0.000	0.000	0.000	0.015	0.000	0.000	0.000
17.May.16	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
18.May.16	0	0.000	0.000	0.000	0.000	0.000	0.053	0.276	0.007	0.000	0.000
19.May.16	0	0.000	0.000	0.000	0.000	0.000	0.000	0.115	0.000	0.000	0.000
20.May.16	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
21.May.16	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22.May.16	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
23.May.16	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
24.May.16	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.006	0.000	0.000
25.May.16	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
26.May.16	0	0.000	0.000	0.000	0.000	0.000	0.033	0.181	0.025	0.000	0.000
27.May.16	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
28.May.16	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
29.May.16	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30.May.16	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
31.May.16	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TOTAL	0	0.000	0.000	0.000	0.000	0.000	0.086	0.677	0.093	0.000	0.000

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.May.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.029	0.029
02.May.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
03.May.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
04.May.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.006	0.006
05.May.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
06.May.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.009	0.009
07.May.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
08.May.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
09.May.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10.May.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11.May.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.064	0.064
12.May.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.016	0.016
13.May.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.004
14.May.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.017	0.017
15.May.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
16.May.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.015	0.015
17.May.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
18.May.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.336	0.336
19.May.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.115	0.115
20.May.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
21.May.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22.May.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
23.May.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
24.May.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.006	0.006
25.May.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
26.May.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.239	0.239
27.May.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
28.May.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
29.May.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30.May.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
31.May.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TOTAL	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.856	0.856

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.16	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.000	0.000
02.May.16	0.230	0.152	0.035	0.000	0.000	0.049	0.011	0.001	0.000
03.May.16	0.000	0.015	0.009	0.000	0.000	0.005	0.044	0.009	0.000
04.May.16	0.000	0.000	0.003	0.000	0.000	0.010	0.012	0.005	0.000
05.May.16	0.000	0.000	0.000	0.000	0.000	0.000	0.014	0.000	0.000
06.May.16	0.068	0.053	0.001	0.000	0.000	0.003	0.049	0.000	0.000
07.May.16	0.000	0.000	0.000	0.000	0.000	0.003	0.015	0.001	0.000
08.May.16	0.000	0.000	0.057	0.000	0.000	0.033	0.018	0.001	0.000
09.May.16	0.000	0.000	0.000	0.000	0.000	0.000	0.068	0.001	0.000
10.May.16	0.000	0.000	0.000	0.000	0.000	0.000	0.011	0.038	0.000
11.May.16	0.010	0.000	0.019	0.000	0.000	0.018	0.011	0.014	0.000
12.May.16	0.000	0.077	0.000	0.000	0.000	0.000	0.025	0.000	0.000
13.May.16	0.049	0.155	0.001	0.000	0.000	0.044	0.139	0.010	0.000
14.May.16	0.002	0.000	0.016	0.000	0.000	0.007	0.160	0.000	0.000
15.May.16	0.000	0.005	0.000	0.000	0.000	0.012	0.000	0.008	0.000
16.May.16	0.000	0.075	0.000	0.000	0.000	0.000	0.069	0.000	0.000
17.May.16	0.000	0.119	0.000	0.000	0.000	0.005	0.112	0.000	0.000
18.May.16	0.000	0.023	0.000	0.000	0.000	0.005	0.108	0.003	0.000
19.May.16	0.010	0.375	0.003	0.000	0.000	0.000	0.077	0.011	0.000
20.May.16	0.000	0.410	0.000	0.000	0.000	0.011	0.206	0.003	0.000
21.May.16	0.000	0.290	0.000	0.000	0.000	0.000	0.178	0.000	0.000
22.May.16	0.000	0.093	0.004	0.000	0.000	0.000	0.098	0.000	0.000
23.May.16	0.129	0.073	0.014	0.030	0.000	0.000	0.383	0.009	0.000
24.May.16	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.001	0.000
25.May.16	0.000	0.008	0.000	0.000	0.000	0.000	0.043	0.001	0.000
26.May.16	0.000	0.000	0.000	0.000	0.000	0.000	0.015	0.000	0.000
27.May.16	0.000	0.000	0.000	0.000	0.000	0.000	0.036	0.003	0.000
28.May.16	0.034	0.073	0.029	0.000	0.000	0.029	0.068	0.002	0.000
29.May.16	0.038	0.071	0.000	0.000	0.000	0.000	0.062	0.000	0.000
30.May.16	0.000	0.003	0.000	0.000	0.000	0.008	0.036	0.000	0.000
31.May.16	0.000	0.000	0.001	0.000	0.000	0.000	0.034	0.002	0.000
TOTAL	0.570	2.070	0.192	0.030	0.000	0.242	2.142	0.123	0.000

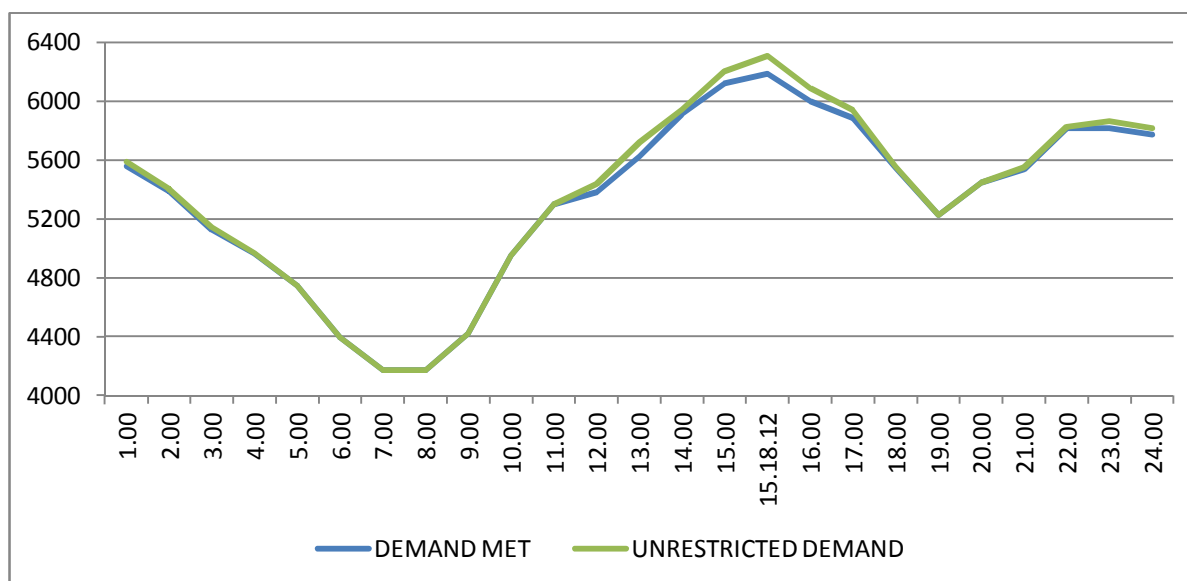
DATE	OTHER AGENCIES LIKE GENCO, BBMB, BTPS ETC.				THEFT PRONE SHEDDING			TOTAL SHEDDING DUE TO T&D CONSTS. & THEFT PRONE	GRAND TOTAL
	BSES		NDPL	NDMC	BSES		NDPL		
	BYPL	BRPL			BYPL	BRPL			
1	35	36	37	38	39	40	41	42= 26 to 41	43 = 25 + 42
01.May.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.049
02.May.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.478	0.478
03.May.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.082	0.082
04.May.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.030	0.036
05.May.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.014	0.014
06.May.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.174	0.183
07.May.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.019	0.019
08.May.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.109	0.109
09.May.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.069	0.069
10.May.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.049	0.049
11.May.16	0.000	0.000	0.000	0.000	0.000	0.000	0.005	0.077	0.141
12.May.16	0.000	0.000	0.000	0.000	0.000	0.000	0.012	0.114	0.130
13.May.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.398	0.402
14.May.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.185	0.202
15.May.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.025	0.025
16.May.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.144	0.159
17.May.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.236	0.236
18.May.16	0.000	0.000	0.000	0.000	0.000	0.000	0.011	0.150	0.486
19.May.16	0.000	0.000	0.000	0.000	0.000	0.000	0.014	0.490	0.605
20.May.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.630	0.630
21.May.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.468	0.468
22.May.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.195	0.195
23.May.16	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.639	0.639
24.May.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.021	0.027
25.May.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.052	0.052
26.May.16	0.000	0.000	0.000	0.000	0.000	0.000	0.005	0.020	0.259
27.May.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.039	0.039
28.May.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.235	0.235
29.May.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.171	0.171
30.May.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.047	0.047
31.May.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.037	0.037
TOTAL	0.000	0.000	0.001	0.000	0.000	0.000	0.047	5.417	6.273

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.May.16	89.252	4536	23:30	0	4536	4536	23:30	4536	0
02.May.16	99.023	5013	23:30:12	16	5029	5029	23:30:12	5013	16
03.May.16	105.208	5198	23:03:04	24	5222	5222	23:03:04	5198	24
04.May.16	103.138	4929	00:00:28	5	4934	4934	00:00:28	4929	5
05.May.16	97.107	4706	16:00:57	0	4706	4706	16:00:57	4706	0
06.May.16	94.956	4650	15:51:32	0	4650	4650	15:51:32	4650	0
07.May.16	95.138	4625	23:14:20	3	4628	4628	23:14:20	4625	3
08.May.16	93.394	4802	23:11:18	2	4804	4804	23:11:18	4802	2
09.May.16	101.668	5004	15:23:01	0	5004	5004	15:23:01	5004	0
10.May.16	105.570	5139	16:17:16	0	5139	5139	16:17:16	5139	0
11.May.16	102.267	5078	22:42:08	0	5078	5078	22:42:08	5078	0
12.May.16	108.088	5295	15:04:53	0	5295	5295	15:04:53	5295	0
13.May.16	109.562	5378	15:40:32	46	5424	5424	15:40:32	5378	46
14.May.16	109.030	5230	23:17:19	3	5233	5233	23:17:19	5230	3
15.May.16	103.813	5337	23:27:43	0	5337	5337	23:27:43	5337	0
16.May.16	111.222	5442	14:57:20	42	5484	5484	14:57:20	5442	42
17.May.16	115.400	5642	15:27:49	13	5655	5655	15:27:49	5642	13
18.May.16	116.197	5733	15:22:58	30	5763	5900	15:30	5628	272
19.May.16	122.583	6044	15:36:39	77	6121	6121	15:36:39	6044	77
20.May.16	128.446	6188	15:18:12	120	6308	6308	15:18:12	6188	120
21.May.16	121.203	5833	14:39:57	8	5841	15:30	14:39:57	5740	136
22.May.16	116.300	5634	23:07:53	18	5652	5652	23:07:53	5634	18
23.May.16	109.529	5740	14:21:04	7	5747	5747	14:21:04	5740	7
24.May.16	98.320	5030	23:30:43	8	5038	5038	23:30:43	5030	8
25.May.16	105.725	5263	15:36:37	0	5263	5263	15:36:37	5263	0
26.May.16	108.426	5418	15:27:30	1	5419	5419	15:27:30	5418	1
27.May.16	114.813	5506	23:30	10	5516	5516	23:30	5506	10
28.May.16	111.386	5500	00:00	0	5500	5500	00:00	5500	0
29.May.16	94.873	4753	00:01:53	0	4753	4753	00:01:53	4753	0
30.May.16	91.612	4208	14:30	0	4208	4208	14:30	4208	0
31.May.16	95.675	4908	15:30	0	4908	4908	15:30	4908	0
TOTAL	3278.924	6188	15:18:12	120	6308	6308	15:18:12	6188	120
		20.05.16			20.05.16				

10 **LOAD PATTERN OF DELHI ON THE DAY OF PEAK DEMAND MET DURING MAY 2016 ON 20.05.2016- 6188MW AT 15.18.12HRS.**

All figures in MW

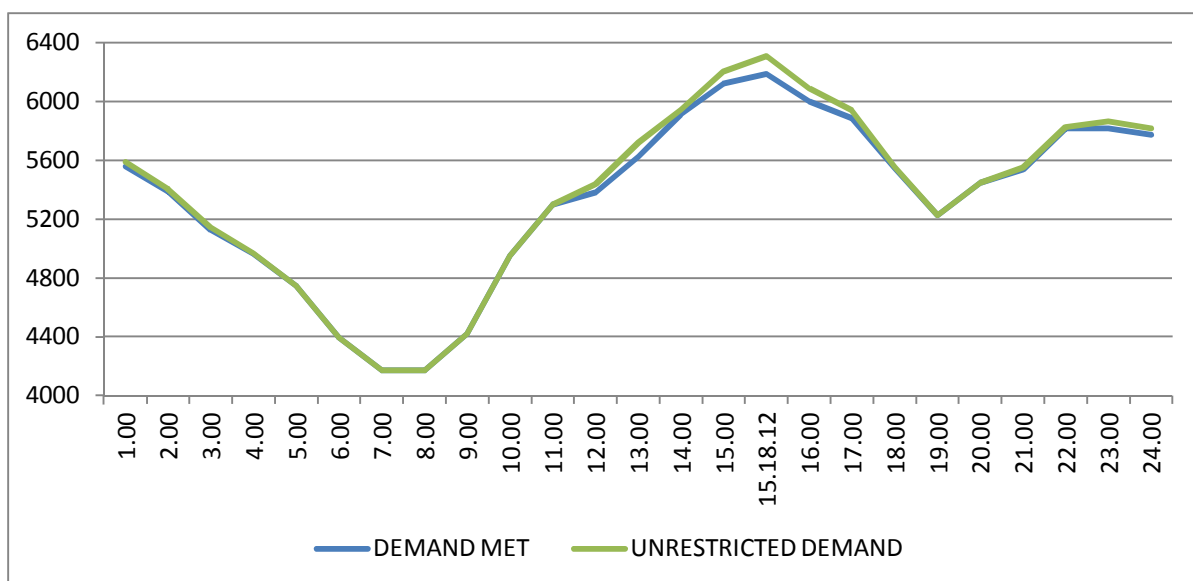
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	5559	29	5588
2.00	5389	16	5405
3.00	5127	15	5142
4.00	4964	6	4970
5.00	4745	3	4748
6.00	4393	0	4393
7.00	4174	0	4174
8.00	4173	0	4173
9.00	4423	0	4423
10.00	4951	0	4951
11.00	5298	0	5298
12.00	5382	55	5437
13.00	5624	97	5721
14.00	5914	29	5943
15.00	6119	83	6202
15.18.12	6188	120	6308
16.00	6001	86	6087
17.00	5884	56	5940
18.00	5546	8	5554
19.00	5225	0	5225
20.00	5446	0	5446
21.00	5538	13	5551
22.00	5817	10	5827
23.00	5817	49	5866
24.00	5771	47	5818
Total (IN MUS)	128.446	0.630	129.076



11 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UN-RESTRICTED DEMAND DURING MAY 2016 ON 20.05.2016- 6308MW AT 15.18.12HRS.

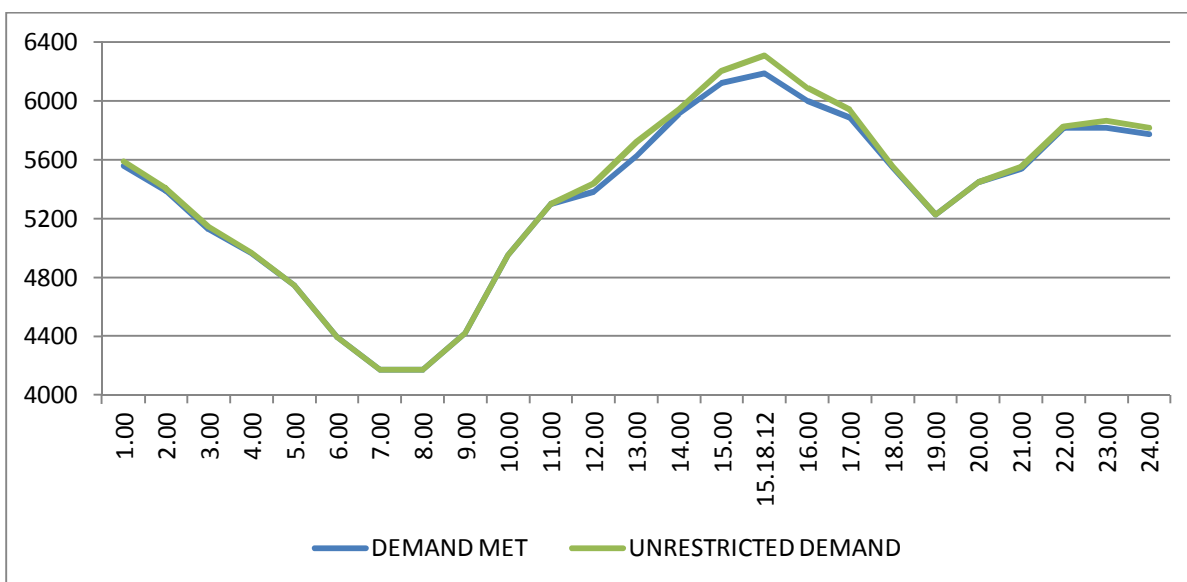
All figures in MW

Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	5559	29	5588
2.00	5389	16	5405
3.00	5127	15	5142
4.00	4964	6	4970
5.00	4745	3	4748
6.00	4393	0	4393
7.00	4174	0	4174
8.00	4173	0	4173
9.00	4423	0	4423
10.00	4951	0	4951
11.00	5298	0	5298
12.00	5382	55	5437
13.00	5624	97	5721
14.00	5914	29	5943
15.00	6119	83	6202
15.18.12	6188	120	6308
16.00	6001	86	6087
17.00	5884	56	5940
18.00	5546	8	5554
19.00	5225	0	5225
20.00	5446	0	5446
21.00	5538	13	5551
22.00	5817	10	5827
23.00	5817	49	5866
24.00	5771	47	5818
Total (IN MUS)	128.446	0.630	129.076



**12 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM ENERGY CONSUMED
DURING MAY 2016 – 20.06.2015 – 128.446Mus All figures in MW**

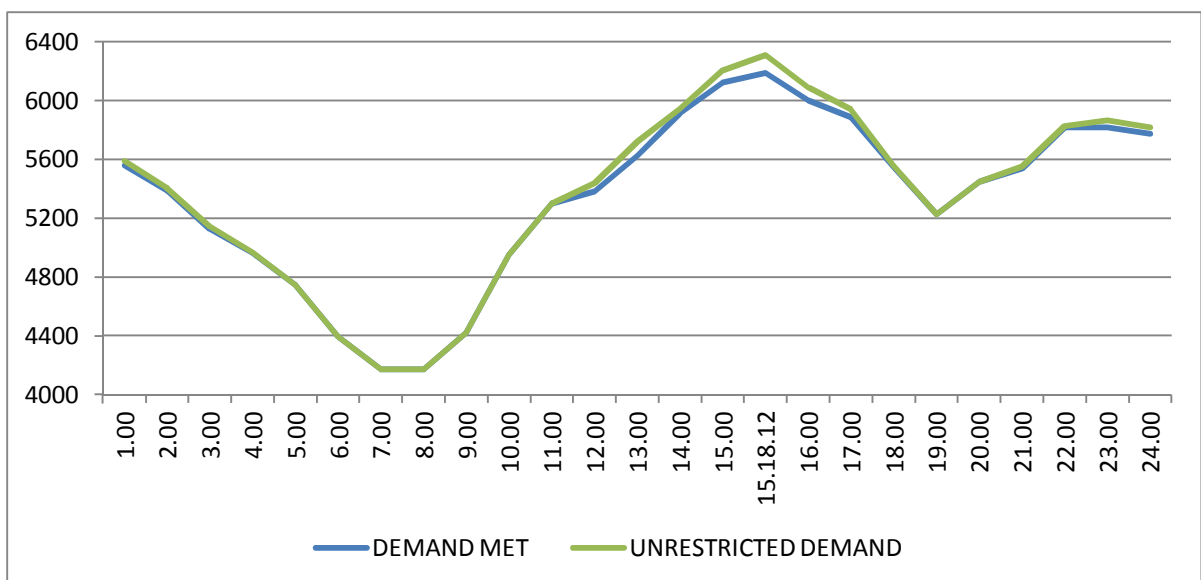
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	5559	29	5588
2.00	5389	16	5405
3.00	5127	15	5142
4.00	4964	6	4970
5.00	4745	3	4748
6.00	4393	0	4393
7.00	4174	0	4174
8.00	4173	0	4173
9.00	4423	0	4423
10.00	4951	0	4951
11.00	5298	0	5298
12.00	5382	55	5437
13.00	5624	97	5721
14.00	5914	29	5943
15.00	6119	83	6202
15.18.12	6188	120	6308
16.00	6001	86	6087
17.00	5884	56	5940
18.00	5546	8	5554
19.00	5225	0	5225
20.00	5446	0	5446
21.00	5538	13	5551
22.00	5817	10	5827
23.00	5817	49	5866
24.00	5771	47	5818
Total (IN MUS)	128.446	0.630	129.076



LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UNRESTRICTED ENERGY DEMAND DURING MAY 2016 – 20.06.2015 – 129.076 Mus

All figures in MW

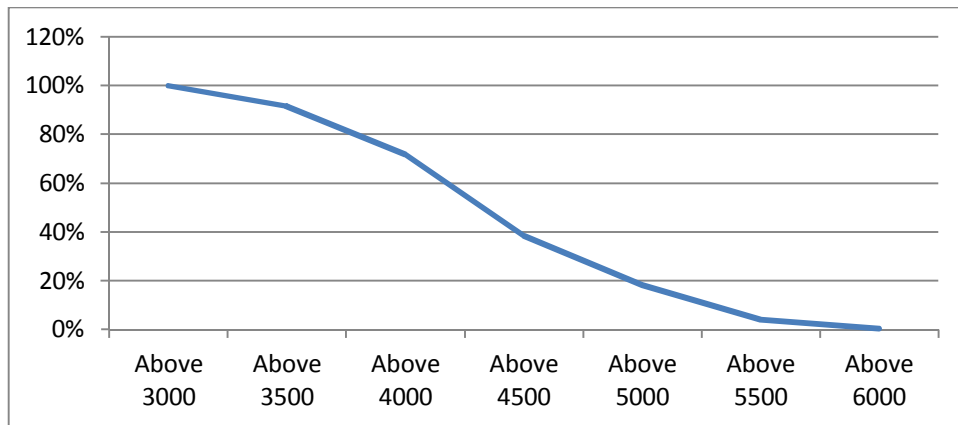
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	5559	29	5588
2.00	5389	16	5405
3.00	5127	15	5142
4.00	4964	6	4970
5.00	4745	3	4748
6.00	4393	0	4393
7.00	4174	0	4174
8.00	4173	0	4173
9.00	4423	0	4423
10.00	4951	0	4951
11.00	5298	0	5298
12.00	5382	55	5437
13.00	5624	97	5721
14.00	5914	29	5943
15.00	6119	83	6202
15.18.12	6188	120	6308
16.00	6001	86	6087
17.00	5884	56	5940
18.00	5546	8	5554
19.00	5225	0	5225
20.00	5446	0	5446
21.00	5538	13	5551
22.00	5817	10	5827
23.00	5817	49	5866
24.00	5771	47	5818
Total (IN MUS)	128.446	0.630	129.076



14 **LOAD DURATION CURVE FOR MAY 2016**

Load in MW	Percentage of Time
Above 3000	100.00
Above 3500	91.47
Above 4000	71.77
Above 4500	44.15
Above 5000	18.21
Above 5500	4.07
Above 6000	0.30

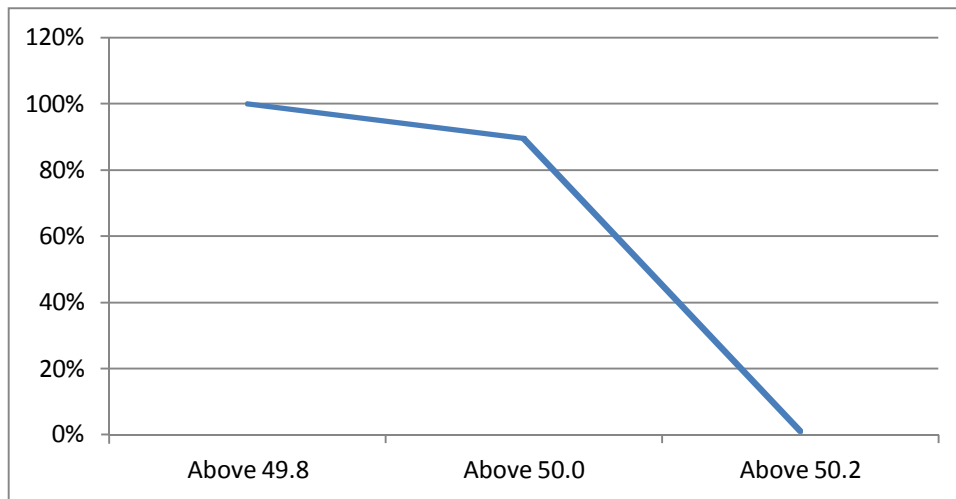
LOAD CURVE FOR MAY 2016



FREQUENCY ANALYSIS FOR THE MONTH OF MAY 2016

Frequency Range in Hz.	Percentage of time
Above 49.8	100.00
Above 50.0	89.05
Above 50.2	1.14

FREQUENCY CURVE FOR MAY 2016



16 VOLTAGE PROFILE OF 220 KV SUB-STATIONS IN DELHI DURING MAY 2016

All figures in kV

Date	NARELA		GAZIPUR	
	Max	Min	Max	Min
01.May.16	229.82	217.57	230.46	215.63
02.May.16	227.24	214.99	227.88	212.15
03.May.16	227.24	215.24	225.30	212.41
04.May.16	225.95	211.89	226.08	212.54
05.May.16	230.21	217.95	228.01	214.99
06.May.16	230.59	215.76	228.66	213.83
07.May.16	225.56	218.21	225.05	213.99
08.May.16	226.85	217.82	226.72	213.70
09.May.16	226.72	215.12	224.92	211.38
10.May.16	224.40	216.02	224.27	212.54
11.May.16	230.21	214.60	228.14	209.96
12.May.16	225.30	213.31	224.79	--
13.May.16	226.08	214.60	224.40	210.47
14.May.16	225.95	213.95	225.43	209.96
15.May.16	224.79	211.25	223.60	206.86
16.May.16	222.34	208.80	221.69	200.28
17.May.16	221.24	207.38	218.98	201.57
18.May.16	223.63	194.74	221.69	198.48
19.May.16	223.63	205.70	219.24	200.28
20.May.16	223.50	207.25	225.56	203.51
21.May.16	221.82	209.57	224.14	204.80
22.May.16	225.05	208.67	224.66	202.99
23.May.16	225.69	208.54	223.60	205.70
24.May.16	226.34	210.47	224.79	207.38
25.May.16	223.63	208.28	224.27	204.15
26.May.16	224.27	206.09	222.50	202.48
27.May.16	222.47	206.99	220.15	202.99
28.May.16	224.79	206.86	224.40	201.44
29.May.16	224.40	212.67	227.24	209.31
30.May.16	227.24	211.89	224.14	205.57
31.May.16	226.34	210.47	225.30	205.57

17 VOLTAGE PROFILE OF 400 KV SUB-STATIONS IN DELHI DURING APRIL 2016

All figures in kV

Date	400kV Bamnauli Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01.May.16	405.66	00.13.26	405.66	00.13	405.66
02.May.16	407.77	18.02.27	385.73	22.38	399.58
03.May.16	411.29	08.02.28	386.67	23.09	399.01
04.May.16	410.35	06.02.13	388.54	22.53	399.17
05.May.16	419.26	04.32.17	393.70	13.45	404.99
06.May.16	415.74	04.02.32	391.12	14.42	402.56
07.May.16	409.88	06.30.56	393.23	22.12	400.34
08.May.16	411.29	08.02.51	391.59	22.19	403.29
09.May.16	410.35	06.03.46	389.25	22.38	399.44
10.May.16	406.65	08.02.11	390.19	22.45	399.80
11.May.16	416.92	04.03.13	385.26	22.36	400.91
12.May.16	407.54	06.00.58	386.43	14.52	396.83
13.May.16	407.30	06.03.43	386.20	14.25	395.81
14.May.16	408.48	06.04.34	386.26	23.08	396.42
15.May.16	409.65	18.10.30	385.73	00.07	398.18
16.May.16	405.66	05.59.29	382.92	22.33	394.62
17.May.16	402.85	05.42.54	380.81	22.34	392.73
18.May.16	407.77	06.03.21	382.21	14.51	393.82
19.May.16	412.46	06.01.44	383.15	15.46	396.31
20.May.16	413.40	06.03.29	385.03	14.20	398.01
21.May.16	409.65	05.40.27	382.68	15.47	395.97
22.May.16	412.23	06.04.09	378.46	22.57	396.80
23.May.16	413.17	22.09.12	381.74	15.13	398.74
24.May.16	415.51	06.01.12	384.09	15.45	399.62
25.May.16	411.06	07.35.00	375.18	14.56	395.69
26.May.16	411.52	06.01.00	373.77	22.11	392.54
27.May.16	404.25	08.01.00	372.83	22.39	389.99
28.May.16	405.66	08.08.00	370.96	15.22	392.25
29.May.16	415.98	21.08.00	384.09	14.56	403.21
30.May.16	419.26	06.02.00	384.09	19.54	402.90
31.May.16	413.40	05.04.00	384.32	14.23	399.84

Date	400kV Bawana Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01.May.16	421.84	06.01.25	400.27	22.47	414.31
02.May.16	416.92	06.03.45	397.22	22.18	407.13
03.May.16	418.32	08.02.58	398.63	00.08	408.26
04.May.16	416.92	08.07.47	400.50	00.01	405.30
05.May.16	426.30	04.29.54	404.49	13.44	413.95
06.May.16	423.95	06.01.55	400.97	14.42	410.79
07.May.16	416.92	05.02.34	401.68	22.12	409.17
08.May.16	418.56	08.04.18	401.91	22.19	411.70
09.May.16	418.09	06.03.55	399.80	22.19	408.37
10.May.16	413.63	04.35.24	401.91	15.33	409.02
11.May.16	426.30	04.03.48	397.92	22.36	410.83
12.May.16	414.81	05.02.25	398.16	14.52	406.05
13.May.16	415.51	06.03.55	399.10	14.25	405.76
14.May.16	416.68	06.04.25	396.28	23.08	406.48
15.May.16	415.04	18.06.35	396.99	00.07	406.86
16.May.16	412.70	05.36.39	394.88	23.13	404.04
17.May.16	411.29	06.29.57	391.59	22.34	402.36
18.May.16	414.57	06.02.16	389.95	22.35	401.79
19.May.16	415.98	06.01.47	393.47	22.19	403.43
20.May.16	417.86	06.04.27	395.11	14.20	405.30
21.May.16	415.04	05.40.07	395.11	15.47	404.61
22.May.16	419.03	06.03.17	394.41	22.56	406.03
23.May.16	426.30	18.02.18	397.22	00.06	411.75
24.May.16	424.89	06.03.28	398.16	15.46	410.01
25.May.16	418.56	07.35.00	394.64	22.36	406.25
26.May.16	419.50	06.04..00	391.12	14.35	404.59
27.May.16	414.34	06.01.00	393.23	22.40	404.28
28.May.16	419.03	21.34.00	393.23	15.17	406.32
29.May.16	419.50	21.28.00	401.91	14.54	414.12
30.May.16	424.89	07.26.00	396.99	19.51	412.13
31.May.16	420.67	05.03.00	399.10	12.15	409.40

18 DETAILS OF LUMPED CAPACITORS AT NEAREST 220 KV SUBSTATION

Sl. No	SUB-STATION	INSTALLED CAPACITY			
		66KV	33KV	11KV	TOTAL
1	IP YARD		30		30
1	Kamla Market			16.35	16.35
2	Minto Road				0
3	GB Pant Hosp			15.88	15.88
4	Delhi Gate			10.9	10.9
5	Tilakmarg			5.04	5.04
7	Cannaught Place			10.08	10.08
8	Kilokri		10.08	10.48	20.56
9	NDSE				0
11	Nizamuddin				0
12	Exhibition-I				0
13	Exhibition-II				0
14	Defence Colony				0
15	IG Stadium		10.08	5.45	15.53
16	Lajpat Nagar				0
17	IP Estate			10.9	10.9
	LT BYPL				5.6
		0	50.16	85.08	140.84
2	Electric Lane				
1	Electric Lane			5.04	5.04
2	Scindia House			5.04	5.04
3	Raisina Road			10.08	10.08
4	Raja Bazar			10.08	10.08
	LT NDMC				12
		0	0	30.24	42.24
3	RPH Station		20		20
1	Lahori Gate			10.49	10.49
2	Jama Masjid			10.48	10.48
4	Kamla Market				0
5	Minto Road			10.9	10.9
6	GB Pant Hosp				0
7	IG Stadium				0
	LT BYPL				3
		0	20	31.87	54.87
4	Parkstreet S/stn	20	20		40
1	Shastri Park		10.896	5.45	16.346
2	Faiz Road			18.05	18.05
3	Motia Khan			16.3	16.3
4	Prasad Nagar			16.25	16.25
5	Anand Parbat			10.8	10.8
6	Shankar Road			5.04	5.04
7	Rama Road			0	0
8	Baird Road			10.08	10.08
9	Hanuman Road			5.04	5.04
10	Pusa			5.44	5.44
11	Ridge Valley			0	0
12	B. D. Marg			0	0
13	Nirman Bhawan			5.04	5.04
	LT BYPL			0	30.1
		20.00	30.90	97.49	178.486
5	Naraina S/stn		20	5.04	25.04
1	DMS			10.85	10.85
2	Mayapuri		10.87	10.4	21.27
3	Inderpuri		10	4.8	14.8
4	Rewari line				0
5	Khyber Lane		10.05		10.05
6	Kirbi Place		10.05		10.05
7	Payal			7.2	7.2
8	Saraswati Garden			10.88	10.88
		0	60.97	49.17	110.14

Sl. No	SUB-STATION	INSTALLED CAPACITY			
		66KV	33kV	11kV	TOTAL
6	Mehrauli S/stn	80		5.04	85.04
1	Adchini			14.61	14.61
2	Andheria Bagh			10.85	10.85
3	IIT			10.9	10.9
4	JNU		10.03	10.03	20.06
5	Bijwasan			15.47	15.47
6	DC Saket			9.98	9.98
7	Malviya Nagar				0
8	C Dot			10.48	10.48
9	Vasant kunj B-Blk	21.79		10.9	32.69
10	Vasant kunj C-Blk	20.16		10.48	30.64
11	Palam				0
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
	LT BRPL				25
		121.95	20.11	163.61	330.67
7	Vasantkunj S/stn	40		5.04	45.04
1	R. K. Puram-II			10.08	10.08
2	Vasant kunj C-Blk				0
3	Vasant kunj D-Blk			9.63	9.63
4	Ridge Valley				0
	LT BRPL				33.2
		40	0	24.75	97.95
8	Okhla S/stn	60	10	5.04	75.04
1	Balaji			10.8	10.8
2	East of Kailash			15.89	15.89
3	Alaknanda			16.3	16.3
4	Malviya Nagar	21.79		10.85	32.64
5	Masjid Moth			16.3	16.3
6	Nehru Place			21.34	21.34
7	Okhla Ph-I	21.79		16.3	38.09
8	Okhla Ph-II		20.93	15.47	36.4
9	Shivalik			10.8	10.8
10	Batra			15.9	15.9
11	VSNL			10.9	10.9
12	Siri Fort			10.49	10.49
13	Tuglakabad			10.85	10.85
	LT BRPL				59
		103.58	30.93	187.23	380.74
9	Lodhi Road S/stn		20		20
1	Defence Colony			14.85	14.85
2	Hudco			10.9	10.9
3	Lajpat Nagar			10.9	10.9
4	Nizamuddin		10.44		10.44
5	Vidyut Bhawan				0
6	Ex. Gr. II				0
7	IHC				0
	LT BRPL				42
		0	67.09	0	109.09
10	Sarita Vihar S/stn	20		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
	LT BRPL				23.6
		40.16	10.08	69.48	143.32

Sl. No	SUB-STATION	INSTALLED CAPACITY			
		66KV	33kV	11kV	TOTAL
11	Wazirabad				
1	Bhagirathi		14.4	10.9	25.3
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			16.2	16.2
7	East of Loni Road			10.8	10.8
8	Shastri Park			10.9	10.9
9	Karawal Nagar			5.4	5.4
10	Sonia Vihar			7.2	7.2
	LT BYPL				10
		41.95	47.04	130.54	229.53
12	Geeta Colony				
1	Geeta Colony				0
2	Kanti Nagar			10.49	10.49
3	Kailash Nagar			10.9	10.9
4	Seelam Pur			15.48	15.48
5	Shakar Pur				0
	LT BYPL				5.8
		0	0	36.87	42.67
13	Gazipur S/stn	40		5.04	45.04
1	Dallupura	28.8		10.9	39.7
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			10.9	10.9
6	MVR-II	20.16		10.9	31.06
7	PPG Ind. Area			10.06	10.06
	LT BYPL				20.6
		109.12	0	79.07	208.79
14	Patparganj S/stn	40	20	5.04	65.04
1	GH-I	19.89		10.45	30.34
2	GH-II	20.09		10.9	30.99
3	CBD		10.03	15.48	25.51
4	Guru Angad Nagar			15.49	15.49
5	Karkadooma		10.8	10.44	21.24
6	Preet Vihar			10.07	10.07
7	CBD-II			10.8	10.8
8	Shakarpur			10.8	10.8
9	Jhilmil			10.8	10.8
10	Dilshad Garden	20.16		16.35	36.51
11	Khichipur	21.79		10.49	32.28
12	Mother Dairy				0
13	Scope Building				0
14	Vivek Vihar				0
15	Akhardham			14.6	14.6
	LT BYPL				23.3
		121.93	40.83	151.71	337.77
15	Najafgarh S/stn	60		5.04	65.04
1	A4 Paschim Vihar			10.8	10.8
2	Nangloi	21.73		15.84	37.57
3	Nangloi WW	20.89		10.85	31.74
4	Pankha Road			15.88	15.88
5	Jaffarpur			15.43	15.43
7	Inst. Area Janakpuri			17.6	17.6
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
	LT BRPL				27
		144.45	10.05	163.67	345.17

Sl. No	SUB-STATION	INSTALLED CAPACITY			
		66KV	33kV	11kV	TOTAL
16	Pappankalan-I S/stn	20		5.04	25.04
1	Bindapur Grid G-3 PPK	21.73		15.85	37.58
2	Bodella-I	20.1		16.24	36.34
3	Bodella-II	21.73		17.64	39.37
4	DC Janakpuri			10.03	10.03
5	G-2 PPK			10.8	10.8
6	G-5 PPK			15.51	15.51
7	G-6 PPK			5.4	5.4
8	G-15 PPK			10.8	10.8
9	Harinagar	21.18		16.25	37.43
10	Rewari line			5.44	5.44
	LT BRPL				13.5
		104.74	0	129	247.24
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			8.04	8.04
5	Vishal			10.4	10.4
6	Tri Nagar			5.44	5.44
7	Madipur			10.43	10.43
8	Sudershan Park			10.08	10.08
9	Kirti Nagar			5.44	5.44
		0	0	81.26	81.26
18	Shalimarbagh S/stn		40	6	46
1	S.G.T. Nagar			5.44	5.44
2	Wazirpur-1			17.18	17.18
3	Wazirpur-2			11.39	11.39
4	Ashok Vihar			5.44	5.44
5	Rani Bagh			10.88	10.88
6	Haiderpur			11.39	11.39
7	SMB FC			5.44	5.44
8	SMB KHOSLA			5.44	5.44
	LT TPDDL				30
		0	40	78.6	148.6
19	Subzimandi S/stn			6	6
1	Shakti Nagar			5.94	5.94
2	Gulabibagh			10.88	10.88
3	Shahzadabagh			13.68	13.68
4	DU			5.44	5.44
5	Tripolia			10.88	10.88
	B. G. Road			5.4	5.4
	LT BYPL				0.9
	LT TPDDL				20
		0	0	58.22	79.12
20	Narela S/stn	40		5.04	45.04
1	A-7 Narela			10.88	10.88
2	AIR Kham pur			6	6
3	Ashok vihar			10.48	10.48
4	Azad Pur			5.44	5.44
5	Tri Nagar			5.44	5.44
6	Badli	20		5.95	25.95
7	DSIDC Narela-1			5.95	5.95
8	GTK			5.44	5.44
9	Jahangirpuri	20	10	0	30
10	Bhalswa			3.6	3.6
	LT TPDDL				10
		80	10	64.22	164.22

Sl. No	SUB-STATION	INSTALLED CAPACITY			
		66KV	33kV	11kV	TOTAL
21	Gopalpur S/stn		30	5.04	35.04
1	Azad Pur			10.88	10.88
2	Hudson Lane			5.44	5.44
3	Wazirabad			2.4	2.4
4	Indra Vihar			5.44	5.44
6	GTK Road			5.94	5.94
7	Jahangirpuri		10	5.95	15.95
8	Civil lines			5.44	5.44
9	Pitam Pura-1			5.44	5.44
10	Pitam Pura-3			5.44	5.44
11	Air Khampur			5.95	5.95
12	SGT Nagar			5.95	5.95
13	Tiggipur			10.88	10.88
	LT TPDDL				29
		0	40	80.19	149.19
22	Rohini S/stn	40		6	46
1	Rohini Sec-22			10.88	10.88
2	Rohini Sec-23	20		5.44	25.44
3	Rohini Sec-24			5.44	5.44
4	Rohini-1			5.44	5.44
5	Rohini-3			5.95	5.95
6	Rohini-4			11.39	11.39
7	Rohini-5			11.39	11.39
8	Rohini-6			5.95	5.95
9	Mangolpuri-1			16.83	16.83
10	Mangolpuri-2	20		5.94	25.94
11	Pitam Pura-1	20		5.04	25.04
12	Pitam Pura-2			10.48	10.48
13	Rohini DC-1			14.4	14.4
	LT TPDDL				30
		100	0	120.57	250.57
23	Kanjhawala S/stn	20		5.04	25.04
1	Bawana Clear Water			10.88	10.88
2	Pooth Khoord			5.44	5.44
		20	0	21.36	41.36
24	BAWANA S/stn				
1	Bawana S/stn No. 6			10.88	10.88
2	Bawana S/stn No. 7				0
		0	0	10.88	10.88
25	Kashmeregate S/stn			5.04	5.04
1	Civil lines			5.44	5.44
2	Town Hall			8.64	8.64
3	Fountain			5.45	5.45
	LT BYPL				2.7
		0	0	24.57	27.27
26	Pappankalan-II				
1	DMRC-I				0
2	DMRC-II				0
27	Trauma Center (AIIMS)				
1	AIIMS		13.26	5.04	18.3
2	Trauma Center			10.08	10.08
3	Netaji Nagar			15.12	15.12
4	Sanjay Camp			10.08	10.08
5	Kidwai Nagar			5.04	5.04
6	SJ Airport			5.04	5.04
	Race Course			5.04	5.04
		0	13.26	55.44	68.7

Sl. No	SUB-STATION	INSTALLED CAPACITY			
		66KV	33kV	11kV	TOTAL
28	MUNDKA				
	Rohini-2			11.39	11.39
	LT BRPL				18.5
		0	0	11.39	29.89
29	DSIDC BAWANA				
	DSIDC NRL-1	20			20
	DSIDC NRL-2			10.88	10.88
		20	0	10.88	30.88
30	RIDGE VALLEY				
	Keventry Diary			10.08	10.08
	Nehru Park			5.04	5.04
	Bapu Dham			10.08	10.08
		0	0	25.2	25.2
31	IP EXTN (PRAGATI)				
	Vidyut Bhawan			10.08	10.08
	Dalhousie Road			5.04	5.04
	School Lane			5.04	5.04
	LT NDMC				12.29
	0	0	20.16	32.45	
	TOTAL CAPACITY	1067.9	491.4	2092.7	4139

Utility	HT	LT	Total
BYPL	864	102	966
TPDDL	657	119	776
NDMC	180	24	204
DTL	754	0	754
BRPL	1158	242	1400
RPH	20	0	20
MES	20	0	20
TOTAL	3652	487	4139

20 DETAILS OF BREAK-DOWNS DURING THE MONTH OF MAY 2016

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
1	17.4.15	18:42	220kv Maharani Bagh- Electric Lane Ckt-II	30.5.16	18:46	AT MAHARANI BAGH CKT TRIPPED ON FAULT LOOP B TO E. AT ELECTRIC LANE CKT TRIPPED ON D/P,Z-1,C-PH,186,LBB, BUS BAR PROTECTION. CABLE DAMAGED DURING EXCAVATION BY MTNL.
2	02.02.16	13.35	GEETA COLONY 220/33kv 100MVA Tx-I	25.05.16	20.42	TR. TRIPPED ON 30G
3	8.3.16	12:01	BAWANA 400/220kv 315MVA ICT-IV	19.05.16	18:02	ICT TRIPPED ON 87 DIFFERENTIAL PROTECTION, PRV TRIP, O/C, E/F. ICT DAMAGED DUE TO FIRE.
4	17.03.16	9.55	400kv Ballabhgarh-Bamnauli Ckt-II	29.05.16	18:08	CKT WAS MADE OFF TO ATTEND SPACER. AFTER CLEARANCE CKT WAS CHARGED AT 18:34 HRS BUT TRIPPED ON D/P,C-PH, SOTF, DIST-219 METER,186A&B. B1-PH CABLE JOINT BOX DAMAGED.
5	2.5.16	10:50	220kv GEETA COLONY- PATPARGANJ CKT-I	2.5.16	16:13	AT GEETA COLONY CKT. TRIPPED ON ABC PHASE, ACTIVE GROUP-I, DIST O/C, E/F, ZONE-I, DISTANCE 1.99KM AT PATPARGANJ DIST PROT, DIST 3.186KM, GROP -I,
6	2.5.16	10:58	NAJAFGARH 66/11kv, 20MVA Tx-II	2.5.16	11:00	TR. TRIPPED ON 86. NEUTRAL UNBALANCING
7	2.5.16	11:00	220kv BAMNAULI-PAPPANKALAN-II CKT-I	2.5.16	14:26	AT BAMNAULI CKT. TRIPPED ON DIST PROT, ZONE-I, DIST 9.396KM AT PAPANAKANAL-II DIST PROT, ZONE-I, 86
8	2.5.16	11:39	400kv Bawana-Mundka Ckt-II	2.5.16	19:20	AT MUNDKA AUTO LOCKOUT, ZONE-I, DIST 13.34KM AT BAWANA CKT. TRIPPED ON A PHASE, ZONE-I
9	2.5.16	12:10	220kv NARELA - MANDOLA CKT-I	2.5.16	20:26	AT MANDOLA CKT. TRIPPED ON R PHASE, E/F, ZONE-II, DIST 25KM AT NARELA NO TRIPPING
10	2.5.16	12:53	220kv MEHRAULI - BTPS CKT. - II	2.5.16	15:49	AT BTPS CKT. TRIPPED ON ZONE-I, R PHASE, DIST 9.7KM AT MEHRAULI CKT. TRIPPED ON 186, 186, 86X, DIST PROT, TRIP PHASE ABC, ZONE-I
11	2.5.16	12:56	220kv DIAL- MEHRAULI CKT-II	2.5.16	14:57	AT MEHRAULI CKT. TRIPPED ON 186, 186, DIFFERENTIAL, AT DIAL MAIN-II, B PHASE , B PHASE FAULTY , ZONE-I
12	2.5.16	13:12	220kv DIAL- MEHRAULI CKT-I	2.5.16	15:47	AT MEHRAULI CKT TRIPPED ON DIST PROT, DIST 3.402KM, ZONE-I, A PHASE, DIFFERENTIAL TRIP AT DIAL CKT. TRIPPED ON B PHASE, DIFFERENTIAL TRIP, R PHASE FAULTY
13	2.5.16	15:05	220kv GOPALPUR- MANDOLACKT-I	2.5.16	16:19	AT GOPALPUR CKT. TRIPPED ON ZONE-I, R&B PHASE DIST PROT, AT MANDOLA R AND B PHASE FAULTY, DIST PROT, DIST 18KM
14	2.5.16	15:53	220kv BAWANA - KANJHAWALA CKT-2	2.5.16	17:30	AT BAWANA CKT. TRIPPED ON DIST PROT, ZONE-II, DIST 10.19KM AT KHANJAWALA NO TRIPPING
15	2.5.16	15:53	220kv BAWANA - KANJHAWALA CKT - 1	2.5.16	17:30	AT BAWANA CKT. TRIPPED ON ZONE-I, DIST PROT, DIST 5.91KM, A PHASE AT KHANJAWALA NO TRIPPING
16	2.5.16	16:00	BAWANA 400/220kv 315MVA ICT-VI	2.5.16	20:00	ICT MADE OFF DUE TO HEAVY OIL LEAKAGE ON Y PHASE 220KV BUSHING
17	2.5.16	16:10	220KV WAZIRABAD - MANDOLA CKT-III	2.5.16	18:25	AT MANDOLA CKT. TRIPPED ON ZONE-I, DIST 11.51KM AT WAZIRABAD CKT. TRIPPED ON ZONE-II, TRIP PHASE -II
18	2.5.16	17:05	PAPPANKALAN-II 220/66kv 100MVA Tx-II	2.5.16	21:17	TR. TRIPPED ON LBB PROT, LV REF, HV REF
19	2.5.16	18:50	INDRAPRASTHA POWER 220/33kv 100MVA Tx-II	2.5.16	21:00	CONTROL WIRE OF TR. CAUGHT FIRE
20	2.5.16	18:50	INDRAPRASTHA POWER 33kv CONNAUGHT PLACE CKT (BAY-28)	7.5.16	14:30	BAY TRIPPED ON E/F, PROBLEM IN CB AT I.P. END
21	2.5.16	18:52	INDRAPRASTHA POWER 220/33kv 100MVA Tx-I	2.5.16	22:42	I/C OF TR. MADE OF MANUALLY DUE TO SAFETY REASONS DUE TO FIRE IN TR. -II AND THEN TR. -I TRIPED ON E/F, O/C
22	3.5.16	17:12	220kv GAZIPUR - BTPS CKT	3.5.16	20:24	AT BTPS CKT TRIPPED ON R,B PHASE, ZONE-I, DIST PROT, DIST 6.6KM AT GAZIPUR NO TRIPPING

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
23	3.5.16	20:11	NAJAFGARH 220/66kV 100MVA Tx-III	3.5.16	20:30	I/C-III TRIPPED ON WITHOUT INDICATION
24	3.5.16	20:11	NAJAFGARH 220/66kV 100MVA Tx-I	3.5.16	20:30	I/C-I TRIPPED ON O/C
25	3.5.16	22:30	KANJHAWALA 66/11kV, 20MVA Tx-II	4.5.16	00:40	TR. TRIPPED WITHOUT INDICATION , TRIPPING COIL BURNT
26	4.5.16	23:20	KANJHAWALA 66/11kV, 20MVA Tx-II	4.5.16	23:39	TR. TRIPPED WITHOUT INDICATION
27	5.5.16	12:05	KANJHAWALA 66/11kV, 20MVA Tx-II	5.5.16	13:30	TR. TRIPPED WITHOUT INDICATION
28	5.5.16	20:40	220kV MEHRAULI - BTPS CKT. - I	5.5.16	21:25	AT BTPS CKT. TRIPPED ON ZONE-I, B PHASE, DIST 1.7KM AT MEHRAULI CKT TRIPPED ON DIST PROT, ZONE-II, DIST 14.86KM
29	6.5.16	11:28	220kV MEHRAULI - BTPS CKT. - II	6.5.16	22:25	At Mehrauli: D/P,Z-1,Dist-5.239Kms,186. At BTPS: D/P,Z-1,Dist.-13Kms
30	6.5.16	11:28	220kV SARITA VIHAR - BTPS CKT.-II	6.5.16	12:03	At BTPS: D/P, Z-1, Y-B-Ph, Dist.-2.64Kms At Sarita Vihar: No tripping
31	6.5.16	11:28	220kV SARITA VIHAR - BTPS CKT.-I	6.5.16	11:55	At Sarita Vihar: D/P, Z-1, B-C-Ph Dist-2.7Kms. At BTPS: D/P, Z-1,Y-B-Ph, Dist.-13Kms
32	6.5.16	11:28	PARKSTREET 220/66kV 100MVA Tx-I	6.5.16	11:37	Tr. Tripped on over flux, 86. 66kV I/C-I tripped on inter tripping.
33	7.5.16	19:02	220kV MAHARANI BAGH - LODHI ROAD CKT-I	8.5.16	02:04	AT MAHARANI BAGH CKT. TRIPPED ON ZONE-I, LA REPORTED TO BE DAMAGED AT LODHI ROAD NO TRIPPING
34	8.5.16	13:03	220 KV GOPALPUR-WAZIRABAD CKT - 1	9.5.16	21:01	AT GOPALPUR SUPPLY FAIL AT WAZIRABAD CKT. TRIPPED ON ZONE2&3, E/F
35	8.5.16	13:03	220kV GOPALPUR- MANDOLACKT-II	8.5.16	13:43	AT GOPALPUR SUPPLY FAIL AT MANDOLA CKT. TRIPPED ON ZONE-I, DIST PORT, R PHASE , DIST 23.4KM
36	8.5.16	13:22	GOPALPUR 33kV MODEL TOWN CKT-I	8.5.16	23:05	CKT. TRIPPED ON D/P, ZONE-I, R PHASE LA BLAST
37	9.5.16	18:10	GAZIPUR 220/66kV 160MVA Tx-I	9.5.16	18:17	TR. TRIPPED WHILE GRID STAFF WAS TESTING DC LEAKAGE
38	10.5.16	10:37	220kV GAZIPUR - BTPS CKT	10.5.16	16:03	AT BTPS CKT TRIPPED ON D/P,Z-1,DIST-6.9KM. CKT CB WAS IN OPEN POSITION AT GAZIPUR.
39	11.5.16	00:19	220kV GOPALPUR- MANDOLACKT-I	11.5.16	00:30	AT MANDOLA CKT TRIPPED ON D/P,Z-1,DIST-1.14KM. SUPPLY FAILED AT GOPALPUR.
40	11.5.16	01:21	220kV WAZIRABAD-GEETA COLONY CKT-II	11.5.16	02:37	AT WZB CKT TRIPPED ON D/P,Z-1,DIST-4.3 KM. AT GEETA COLONY CKT TRIPPED ON D/P,Z-1,DIST-2.33 KM,E/F.
41	11.5.16	02:05	220kV GAZIPUR - BTPS CKT	11.5.16	20:15	AT BTPS CKT TRIPPED ON D/P,Z-1,DIST-7.21KM. CKT WAS IN OFF POSITION AT GAZIPUR.
42	12.5.16	13:30	220kV DIAL- MEHRAULI CKT-I	12.5.16	13:46	AT DIAL CKT TRIPPED D/P,RY&B-PH,E/F. AT MEHRAULI CKT TRIPPED ON B-PH DIFFERENTIAL PROTECTION.
43	12.5.16	13:30	220kV DIAL- MEHRAULI CKT-II	12.5.16	13:46	AT DIAL CKT TRIPPED D/P,RY&B-PH,E/F. AT MEHRAULI CKT TRIPPED ON B-PH DIFFERENTIAL PROTECTION.
44	12.5.16	19:05	220kV BAMNAULI-NAJAFGARH CKT-II	12.5.16	19:09	AT NJF CKT TRIPPED ON 186. NO TRIPPING AT BAMNAULI.
45	13.5.16	12:06	220kV KANJHAWALA-NAJAFGARH CKT	13.5.16	12:18	AT KANJHAWALA CKT TRIPPED ON D/P,Z-1,DIST-14.2KM.
46	13.5.16	12:54	220kV DIAL- MEHRAULI CKT-I	13.5.16	13:21	AT DIAL CKT TRIPPED ON D/P,Z-2,RY&B-PH.AT MEHRAULI CKT DID NOT TRIP.
47	13.5.16	12:54	220kV DIAL- MEHRAULI CKT-II	13.5.16	13:50	AT MEHRAULI CKT TRIPPED ON B-PH DIFFERENTIAL PROTECTION.
48	13.5.16	12:54	220kV MEHRAULI - BTPS CKT. - II	13.5.16	22:44	AT MEHRAULI CKT TRIPPED ON B-PH E/F. FIRE REPORTED AT TOWER NO-1 AND JUMPER SNAPPED.
49	13.5.16	13:00	220kV KANJHAWALA-NAJAFGARH CKT	13.5.16	14:42	AT KANJHAWALA CKT TRIPPED ON D/P,Z-1. CKT DID NOT TRIP AT NJF.

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
50	13.5.16	13:31	220kv MUNDKA-NAJAFGARH CKT	13.5.16	14:40	AT MUNDKA CKT TRIPPED ON AUTO D/P,Z-2,R-PH,DIST-11.26 KM, 86. SPARKING OCCURRED ON R-PH DROPPER CONDUCTOR FROM ISOLATOR CLAMP.
51	13.5.16	13:50	220kv BAMNAULI-NAJAFGARH CKT-I	13.5.16	14:02	AT BAMNAULI CKT TRIPPED ON D/P,Z-1,DIST-5.341 KM,186 A&B. SUPPLY FAILED AT NAJAFGARH.
52	13.5.16	18:29	220kv GAZIPUR - BTPS CKT	13.5.16	20:55	AT BTPS CKT TRIPPED ON D/P,Z-1,DIST-16.7KM.
53	14.5.16	07:40	BAMNAULI 400/220kv 500MVA ICT-II	14.5.16	14:06	ICT TRIPPED ON GROUP-1&2,186A&B,86A,30S PRESSURE RELEASE TRIP.
54	14.5.16	17:42	SHALIMAR BAGH 33kv RANI BAGH CKT-I	15.05.16	19:13	CKT DID NOT TRIP BUT R-PH CT OF RANI BAGH CKT-1 DAMAGED.
55	14.5.16	17:42	SHALIMAR BAGH 220/33kv 100MVA Tx-I	14.5.16	18:20	33KV I/C-1 OF TX TRIPPED ON 51N,86. R-PH CT OF RANI BAGH CKT-1 DAMAGED.
56	14.5.16	17:42	SHALIMAR BAGH 220/33kv 100MVA Tx-II	14.5.16	18:20	33KV I/C-1 OF TX TRIPPED ON 51N,86. R-PH CT OF RANI BAGH CKT-1 DAMAGED.
57	15.5.16	14:47	MUNDKA 400/220KV 315MVA ICT-III	15.5.16	19:57	ICT TRIPPED ON GROUP A PORT, 86, 220KV I/C-III TRIPPED ON TRIP COIL SUPER VISION ALL PHASE 295
58	16.5.16	09:55	NARELA 66kv 20MVAR CAP. BANK-II	17.5.16	09:50	CAPACITOR BANK TRIPPED ON 64 RLB INSTANT EARTH FAULT
59	16.5.16	14:10	NARELA 66kv 20MVAR CAP. BANK-II	17.5.16	09:50	CAPACITOR BANK TRIPPED ON 64RLB, INSTANT E/F
60	17.5.16	05:36	220kv BAMNAULI - DIAL CKT-II	17.5.16	05:49	AT DIAL CKT. TRIPPED ON B PHASE, ZONE-I, AT BAMNAULI CKT. TRIPPED ON ZONE-I, C PHASE, DIST . 10.02KM
61	17.5.16	06:38	OKHLA 220/33kv 100MVA Tx-IV	17.5.16	06:55	I/C TRIPPED ON 86, O/C
62	17.5.16	06:38	OKHLA 220/33kv 100MVA Tx-III	17.5.16	06:55	I/C TRIPPED ON 51 O/C
63	17.5.16	06:38	OKHLA 33kv EAST OF KAILASH CKT	19.5.16	10:50	CKT. TRIPPED ON 67NX, R PHASE CT DAMAGED. R PHASE BUS ISOLATOR JAW BURNT
64	18.5.16	06:23	ROHINI 220/66kv 100MVA Tx-II	18.5.16	18:36	TR. TRIPPED ON 30ABC, 30E, SPR, 30F, 30G, BUCHLOZ, AND 86
65	18.5.16	13:10	220kv BAMNAULI-NAJAFGARH CKT-II	18.5.16	16:09	AT BAMNAULI CKT .TRIPPED ON 186 A&B, DIST C PHASE, ZONE-II, DIST 7.437KMS. AT NAJAFGARH SUPPLY FAIL.
66	18.5.16	17:31	400kv Bawana-Mundka Ckt-II	18.5.16	19:30	AT MUNDKA CKT. TRIPPED ON ZONE-I, RYB PHASE, ABC TRIP SUPERVISION, DIST 1.66KM AT BAWANA CKT. TRIPPED ON B PHASE C PHZSE, ZONE-II, 186AB, A PHASE
67	19.5.16	12:04	220kv BAMNAULI-PAPPANKALAN-I CKT-I	19.5.16	12:57	AT BAMNAULI CKT. TRIPPED ON DIST PROT, DIST 6.603KM, ZONE-II, 186 AT PAPANALAN-I CKT. TRIPPED ON E/F, 186
68	20.5.16	11:34	220kv MAHARANI BAGH - LODHI ROAD CKT-I	contd.		AT MAHARANI BAGH CKT. TRIPPED ON ZONE-I, RYB PHASE, CABLE END BOX DAMAGE AT LODHI ROAD CKT. TRIPPED ON 186AB
69	20.5.16	11:34	220kv MAHARANIBAGH-MASJID MOTH CKT-II	20.5.16	13:50	AT MAHARANI BAGH CKT. TRIPPED B PHASE ZONE-I AT MASJID MOTH DIST. PROT, ZONE-I, 86
70	21.5.16	14:33	220kv MAHARANI BAGH - LODHI ROAD CKT-II	21.5.16	23:09	AT MAHARANI BAGH CKT. TRIPPED ON ZONE-I, L-I, L-3, R&B PHASE, E/F, DIST 3.3KM AT LODHI ROAD CKT. DID NOT TRIPPED, TRIPPED MANUALLY
71	22.5.16	07:45	SHALIMAR BAGH 33/11kv, 16MVA Tx-I	22.5.16	10:20	TR. TRIPPED ON 86 & 87
72	22.5.16	20:30	220kv BAMNAULI-PAPPANKALAN-II CKT-II	22.5.16	22:05	AT BAMNAULI : Z-I, C PHASE, CN, 186, DIST 489.6METERS, FAULT CURRENT 27.23kAmps. AT PAPANALAN -II : DIST PROT, M-I, M-II, DIST 10.0KMs., 86
73	22.5.16	20:30	400kv Bamnauli-Jhatikara Ckt-II	contd.		AT BAMNAULI : M-1, A PHASE, Z-1, Z-5, DT SENT, LBB, DIST 766.4METERS, FAULT CURRENT 18.5kAmps AT 765KV JHATIKRA : NOT AVAILABLE

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
74	22.5.16	20:30	400kV Bamnauli-Jhatikara Ckt-I	contd.		AT BAMNAULI : AB PHASE, Z-I, Z-5, DT SENT, LBB, DIST 438.4METERS AT 765kV JHATIKRA : NOT AVAILABLE
75	23.5.16	03:15	220KVBAWANA- ROHINI CKT-II	23.5.16	07:28	AT BAWANA CKT. TRIPPED ON B PHASE ZONE-I, AT ROHINI -I CKT. TRIPPED ON B PHASE, ZONE-I, 186A AT ROHINI -II CKT. TRIPPED ON SOTF, B PHASE
76	23.5.16	13:52	PAPPANKALAN-I 220/66kV 100MVA Tx-III	23.5.16	14:06	I/C-III TRIPPED ON E/F
77	23.5.16	13:52	PAPPANKALAN-I 220/66kV 100MVA Tx-IV	23.5.16	14:27	TR. TRIPPED WITHOUT INDICATION, I/C TRIPPED ON 86
78	23.5.16	13:52	PAPPANKALAN-I 220/66kV 100MVA Tx-II	23.5.16	14:06	I/C-II TRIPPED ON E/F
79	23.5.16	15:09	220KVBAWANA- ROHINI CKT-II	23.5.16	20:39	AT BAWANA CKT. TRIPPED ON DIST PROT, B PHASE, ZONE-I, TRIP PHASE CN DIST 3.9KM AT ROHINI CKT. TRIPPED ON ZONE-I, 2, SOTF BPHASE
80	23.5.16	15:32	220KV WAZIRABAD - MANDOLA CKT-IV	23.5.16	17:27	At Mandola: Dist. prot, zone-1, Dist-10.43Km.Y-N Phase & E/F. At Wazirabad: Dist prot, Zone-1, Y-Phase, Dist-3.393 KMs
81	23.5.16	15:47	220kV WAZIRABAD-GEETA COLONY CKT-II	23.5.16	16:32	At Wazirabad : Dist prot, zone 1, Dist. 0.21Kms. At Geeta Colony: Dist prot, zone-2,E/F.
82	23.5.16	15:47	220kV WAZIRABAD-GEETA COLONY CKT-I	23.5.16	16:32	At Wazirabad: Dist prot, zone 1, 2 & 3, RYB Phase. Dist. 0Kms. At Geeta Colony: Dist prot, zone-2 ,E/F.
83	23.5.16	15:47	WAZIRABAD 220/66kV 100MVA Tx-III	23.5.16	16:38	Tr. Tripped on E/F. 66kV I/C-I tripped on inter tripping
84	23.5.16	15:47	WAZIRABAD 220/66kV 100MVA Tx-I	23.5.16	16:25	Tr. Tripped on E/F. 66kV I/C-I tripped on inter tripping
85	23.5.16	20:19	220kV MEHRAULI - BTPS CKT. - I	23.5.16	23:04	AT MEHRAULI CKT. TRIPPED ON DIST PROT, ZONE-I, DIST 7.03KM AT BTPS CKT. TRIPPED ON DIST PROT, ZONE-I, DIST 15KM
86	23.5.16	20:23	220kV OKHLA - BTPS CKT. - II	23.5.16	20:35	AT BTPS CKT. TRIPPED ON ZONE-I, Y PHASE, DIST 5.4KM AT OKHLA SUPPLY FAIL
87	24.5.16	00:10	220kV PRAGATI - SARITA VIHAR CKT-II	24.5.16	00:50	AT PRAGATI CKT. TRIPPED ON 186, 186, DIST PROR, AT SARITA VIHAR, CKT. TRIPPED ON ABC PHSE, ZONE-I, DIST 8.174KM
88	25.5.16	07:25	WAZIRABAD 220/66kV 160MVA Tx-I	25.5.16	17:08	B PHASE LV BUSHING JUMPER SNAPPED OF TR. ON DIFFERENTIAL ALONGWITH 66KV I/C-IV
89	25.5.16	10:47	220kV KANJHAWALA-NAJAFGARH CKT	25.5.16	11:04	AT NAJAFGARH CKT. TRIPPED ON 186, CVT AVAILABLE AT KHANJAWALA NO TRIPPING
90	28.5.16	08:06	GAZIPUR 220/66kV 100MVA Tx-II	28.5.16	08:28	TR. TRIPPED ON GENERAL TRIP
91	28.5.16	21:34	BAWANA 400/220kV 315MVA ICT-VI	29.5.16	11:47	ICT TRIPPED ON 86, BUCHOLZ
92	28.5.16	21:34	BAWANA 400/220kV 315MVA ICT-II	28.5.16	23:47	ICT TRIPPED ON TRIP RELAY , 186A&B, GROUP A, 86A, O/C, PHASE C
93	28.5.16	21:34	BAWANA 400/220kV 315MVA ICT-IV	29.5.16	00:01	ICT TRIPPED ON 86 TRIP, OSR BUCHHOLZ, R PHASE TRIP
94	28.5.16	21:34	220kV BAWANA-DSIIDC BAWANA CKT-I	29.5.16	22:58	AT BAWANA NO TRIPPING AT DSIDC BAWANA CKT TRIPPED ON DIST PROT, AUTO RECLOSE, ZONE-II, ABC PHASE, DIST 8.168KM
95	29.5.16	20:17	400kV Mundka-Jhatikara Ckt-I	30.5.16	17:08	AT MUNDKA CKT. TRIPPED ON DIST PROT, ZONE-I, DIST 4.33KM AT JHATIKARA NO TRIPPING
96	29.5.16	20:19	220kV BAMNAULI-PAPPANKALAN-II CKT-II	29.5.16	21:26	AT BAMNAULI CKT. TRIPPED ON C PHASE, ZONE-I, 186A&B, AT PAPPANKALAN-II MANUALLY MADE OFF
97	29.5.16	21:50	220kV KANJHAWALA-NAJAFGARH CKT	29.5.16	22:20	AT NAJAFGARH CKT. TRIPPED ON 186-186, CVT AVAILABLE AT KHANJAWALA NO TRIPPING
98	29.5.16	21:50	400kV Mandola-Bawana Ckt-I	29.5.16	22:15	AT BAWANA CKT. TRIPPED ON ZONE1,2&3, DIST 8.383KM, AT MANDOLA NO RELAY
99	29.5.16	21:53	MUNDKA 400/220kV 315MVA ICT-II	29.5.16	23:34	ICT TRIPPED WITHOUT INDICATION
100	30.5.16	03:20	MEHRAULI 220/66kV 100MVA Tx-III	30.5.16	18:33	TR. TRIPPED ON DIFFERENTIAL

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
101	30.5.16	10:14	NAJAFGARH 66/11kV, 20MVA Tx-II	30.5.16	13:40	TR. TRIPPED ON BUCHHOLZ, 86, 30B
102	30.5.16	10:37	OKHLA 220/66kV 100MVA Tx-I	30.5.16	13:58	TR. TRIPPED ON BUCHHOLZ
103	30.5.16	15:13	PAPPANKALAN-I 220/66kV 160MVA Tx-I	30.5.16	15:50	TR. TRIPPED ON B PHASE GENERAL TRIP
104	30.5.16	15:13	220kV BAMNAULI-PAPPANKALAN-I CKT-I	30.5.16	15:50	AT PAPPANKALAN-I CKT. TRIPPED ON B PHASE, O/C, AT BAMNAULI SUPPLY FAIL
105	31.5.16	06:04	GAZIPUR 220/66kV 160MVA Tx-I	31.5.16	15:40	TR. TRIPPED ON TRIP RELAY COIL UNHEALTHY HV/LV , REF, CTR ALARM
106	31.5.16	06:32	ROHINI 220/66kV 100MVA Tx-I	31.5.16	07:20	TR. TRIPPED ON 30C, 30J, 86-86, TEMP HIGH
107	31.5.16	06:45	VASANT KUNJ 66/11kV, 20MVA Tx-I	31.5.16	15:35	TR. TRIPPED ON 86, 87, 67RLV
108	31.5.16	07:56	SHALIMAR BAGH 220/33kV 100MVA Tx-I	31.5.16	08:16	33KV I/C-I TRIPPED ON 86, E/F
109	31.5.16	07:56	SHALIMAR BAGH 220/33kV 100MVA Tx-III	31.5.16	08:54	I/C TRIPPED ON 86, O/C, B PHASE, E/F
110	31.5.16	12:04	OKHLA 220/33kV 100MVA Tx-IV	31.5.16	13:25	TR. TRIPPED ON SPR, CTR, 86,86 WHILE ARRANGING OF TR. -III

20 DETAILS OF UNDER FREQUENCY RELAY OPERATIONS IN DELHI POWER SYSTEM DURING THE MONTH OF MAY 2016

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