DELHI TRANSCO LTD.

STATE LOAD DISPATCH CENTER

PROGRESS REPORT

****

MAY 2015

1 SALIENT FEATURES OF DELHI POWER SYSTEM

Sr. No.	Features	MAY 2014	MAY 2015
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)**	**5468**	**5358**
	Date	26.05.15	30.05.2014
	Time	15.47.18	15.41.31
3	**Peak Demand met (MW)**	5465	**5338**
	Date	26.05.15	30.05.2014
	Time	15.47.18	15.41.31
4	Peak Availability (MW)	5430	5152
5	Shortage (-) / Surplus (+) in MW	(-) 35	(-186)
6	Percentage Shortage (-) / Surplus (+)	(-) 0.64	(-) 3.48
7	Maximum Energy Consume in a day (Mus)	112.589	103.827
8	Energy Consumed during the month	**3086.700**	**2768.973**
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	0.158	0.231
	BRPL	0.626	1.266
	BYPL	0.097	0.402
	NDMC	0.016	0.000
	MES	0.000	0.000
iv)	Due to transmission Constraints in Central Sector	0.00	0.165
	Total due to Grid Restriction	**0.897**	**2.064**
B)	Due to Constraints in System in Mus		
	DTL	1.839	14.636
	NDPL	0.403	1.635
	BRPL	1.823	2.392
	BYPL	0.375	0.868
	NDMC	0.001	0.000
	MES	0.000	0.000
	Other Agencies	0.000	0.960
	Total	**4.426**	**20.491**
11	**Grand Total in Mus**	**5.323**	**22.555**

2. PERFORMANCE OF GENERATING STATIONS WITHIN DELHI DURING MAY 2015

A) For the month of May 2015

All Figures in MUs

S. No	Stations	Gross Generation	Aux. Consumption	Net Generation	Availability (%)	Backing Down
1.	**RPH**	29.000	3.834	25.166	47.47	18.475
2.	**GT**	72.836	2.755	70.081	64.87	56.920
3.	**PPCL**	198.884	4.965	193.919	94.77	32.724
4.	**BTPS**	259.598	29.38	230.218	89.28	188.798
5.	**Rithala**	0.000	0.062	-0.062	**89.17**	61.008
6.	**Bawana**	217.410	8.978	208.432	59.36	340.986
7.	**Towmcl**	14.086	2.027	12.059	--	--
	TOTAL	**791.814**	**52.001**	**739.813**	**--**	**698.911**

B) For the Year 2013-14 (Upto May 2015)

Power Station	Effective Capacity (MW)	Net Generation in MUs for May. 2015	Availability (%) for May 2015	PLF (%) for May 2015	Cumulative Generation in MUs upto May 2015 for the year 2015-16	Cumulative Availability in % upto May 2015 for the year 2015-16	Cumulative PLF in % upto May 2015 for the year 2015-16
RPH	135	25.166	47.47	26.74	39.746	55.78	21.68
GT	270	70.081	64.87	35.66	133.415	70.04	34.46
PPCL	330	193.919	94.77	81.03	336.854	96.43	71.54
BTPS	705	230.218	89.28	48.97	375.014	79.61	40.87
Rithala	108	-0.062	**89.17**	--	-0.122	**86.43**	--
Bawana	1372	208.432	59.36	21.54	412.316	57.29	21.33
Towmcl	16	12.059	--	118.33	23.323	--	115.881
TOTAL	2936	**739.813**	**--**	**--**	**1320.546**	**--**	--

3 DETAILS OF OUTAGES OF GENERATING STNS. WITHIN DELHI W.E.F. APRIL 2014 RPH

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	67.5	01.04.15	23.20	02.04.15	19.50	Stopped due to low demand and high frequency
		04.04.15	13.15	06.05.15	22.40	
		08.05.15	13.40	11.05.15	24.00	Tripped on boiler tube leakage
		12.05.15	00.00	21.05.15	11.00	Stopped due to low demand and high frequency
		21.05.15	11.00	31.05.15	08.00	Stopped due to coal shortage
		31.05.15	08.00	31.05.15	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	67.5	30.12.14	00.00	01.04.15	16.00	Machine under major overhauling
		02.04.15	12.55	07.04.15	23.59	Turbine trip
		08.04.15	00.00	20.04.15	06.45	Stopped due to low demand and high frequency
		21.04.15	09.50	21.05.15	15.15	Turbine tripped
		07.05.15	00.50	07.05.15	04.20	Tripped on heavy jerk
		21.05.15	10.20	31.05.15	08.00	Stopped due to shortage of coal
		31.08.15	08.00	31.05.15	23.59	Stopped due to low demand and high frequency

(B) Gas Turbine

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	30	27.12.14	17.40	12.05.15	18.45	Stopped due to low demand and high frequency
		19.05.15	18.02	31.05.15	23.59	Machine stopped due to fire in cable

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
2	30	01.02.14	17.00	31.05.15	23.59	Machine stopped due to high viberation

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
3	30	02.03.15	17.45	04.04.15	10.45	Stopped due to low demand and high frequency
		04.04.15	16.02	04.04.15	12.50	Machine stopped to change absolute filter
		04.04.15	18.51	21.04.15	10.45	Stopped due to low demand and high frequency
		26.04.15	09.00	06.05.15	14.30	
		11.05.15	08.16	11.05.15	11.13	
		12.05.15	14.45	21.05.15	16.05	
		22.05.15	00.20	22.05.15	10.26	
		22.05.15	15.40	22.05.15	15.55	Machine came on FSNL due to jerk
		23.05.15	17.30	31.05.15	23.59	Stopped due to low demand and high frequency

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
4	30	02.03.15	17.45	04.04.15	16.40	Stopped due to low demand and high frequency
		04.04.15	20.12	15.04.15	11.08	
		16.04.15	00.55	21.04.15	11.32	
		27.04.15	15.00	06.05.15	10.46	
		12.05.15	18.50	21.05.15	15.57	
		22.05.15	00.20	23.05.15	09.48	
		23.05.15	17.20	31.05.15	17.46	
		31.05.15	18.33	31.05.15	23.59	

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
5	30	04.04.15	16.00	04.04.15	19.15	Stopped due to low demand and high frequency
		15.04.15	15.26	16.04.15	00.10	
		22.05.15	15.40	22.05.15	18.50	Machine came on FSNL due to jerk
		31.05.15	12.40	31.05.15	23.59	Machine tripped on electrical trouble normal shutdown

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
6	30	26.04.15	09.00	27.04.15	14.02	Stopped due to low demand and high frequency
		11.05.15	08.17	11.05.15	11.25	
		22.05.15	15.40	22.05.15	15.58	Machine came on FSNL due to jerk

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG -1	30	19.11.14	21.35	12.05.15	23.00	Stopped due to low demand and high frequency
		19.05.15	17.15	19.05.15	18.00	Machine tripped on FJB vibeeration very high
		19.05.15	18.00	20.05.15	11.30	Stopped due to low demand and high frequency
		20.05.15	11.30	31.05.15	23.59	Machine is N/A due to fire in cable

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG -2	30	02.03.15	12.40	04.04.15	15.59	Stopped due to low demand and high frequency
		04.04.15	16.05	04.04.15	17.38	
		04.04.15	18.10	15.04.15	15.20	
		16.04.15	00.55	21.04.15	14.57	
		27.04.15	15.00	06.05.15	13.32	
		12.05.15	11.18	12.05.15	12.11	Machine tripped on reverse power operation
		12.05.15	12.30	22.05.15	14.55	Machine tripped on axial shift very high
		22.05.15	15.40	22.05.15	16.48	Machine tripped due to jerk
		23.05.15	14.00	31.05.15	23.59	Machine tripped on axile shift very high

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG -3	30	08.05.15	04.55	08.05.15	08.15	Machine tripped due to generator back up impendance relay 21G operated
		22.05.15	15.40	22.05.15	19.05	Machine tripped due to jerk

(C) PRAGATI

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	104	19.04.15	11.00	20.04.15	05.54	Stopped due to low demand and high frequency
		06.05.15	09.13	06.05.15	12.22	Stopped by DTL to attend hot spot
		10.05.15	07.21	10.05.15	17.13	Stopped due to low demand and high frequency
		28.05.15	04.37	28.05.15	08.37	Unit tripped due to grid disturbance
		06.05.15	09.13	06.05.15	12.22	Unit stopped as desired by DTL to attend hot spot
		10.05.15	07.21	10.05.15	17.13	Stopped due to low demand and high frequency
		28.05.15	04.37	28.05.15	08.37	Unit tripped due to grid disturbance

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
2	104	01.04.15	00.00	19.04.15	07.47	Stopped due to low demand and high frequency
		24.04.15	15.09	24.04.15	16.31	Unit tripped on internal fault
		16.05.15	00.00	18.05.15	08.44	Stopped due to low demand and high frequency
		20.05.15	04.01	20.05.15	10.05	
		16.05.15	00.00	18.05.15	08.44	
		20.05.15	04.01	20.05.15	10.05	

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG	122	06.05.15	05.13	06.05.15	09.05	Stopped by DTL to attend hot spot
		10.05.15	16.48	10.05.15	18.42	Stopped due to low demand and high frequency
		28.05.15	04.37	28.05.15	07.26	Unit tripped due to grid disturbance
		06.05.15	05.13	06.05.15	09.05	Unit stopped by DTL to attend hot spot
		10.05.15	16.48	10.05.15	18.42	Stopped due to low demand and high frequency
		28.05.15	04.37	28.05.15	07.26	Unit tripped due to grid disturbance

(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	31.05.15	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	01.04.15	00.00	21.04.15	13.44	Stopped due to low demand and high frequency
		01.05.15	14.55	07.05.15	01.27	AVR & Excitation system
		07.05.15	13.07	07.05.15	20.57	Stopped due to low demand and high frequency
		11.05.15	13.57	31.05.15	23.59	

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
3	95	01.04.15	00.00	01.04.15	16.00	Economizer tube leakage
		01.04.15	16.00	20.04.15	22.50	Stopped due to low demand and high frequency
		15.05.15	17.20	27.05.15	22.09	

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
4	210	05.04.15	11.00	06.04.15	18.48	Water wall leakage
		10.05.15	00.34	10.05.15	06.45	AVR & Excitation system
		11.05.15	15.18	11.05.15	17.36	Human error vaccum low
		18.05.15	06.12	18.05.15	12.33	6.6kv breaker problem
		31.05.15	23.31	31.05.15	23.59	6.6kv breaker problem

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
5	210	01.04.15	00.00	10.05.15	21.04	Planned shutdown
		13.05.15	00.30	13.05.15	12.55	Human error durm level low
		26.05.15	06.47	26.05.15	11.04	Leakage in BFP a disch flow transmitter

(E) BAWANA CCGT POWER STATION

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	216	19.01.15	14.26	25.04.15	07.40	G.T.-I compressor stalled detected STG-I simultaneously tripped
		01.05.15	14.04	01.05.15	16.07	Unit tripped on customer trip alarm
		15.05.15	14.24	25.05.15	11.00	Stopped due to low demand and high frequency
		25.05.15	11.00	31.05.15	23.59	Bushing change of G.T.-1 transformer

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
2	216	13.04.15	16.18	13.04.15	17.48	**Tripping of 2DA emergency section bus coupler, resultend GT-2 tripped on low lube oil pressure**
		25.04.15	23.17	15.05.15	06.50	Stopped due to low demand and high frequency
		30.05.15	19.04	31.05.15	23.59	

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
3	216	24.03.15	04.47	Contd.		Tripped due to G.T. -3 generator transformer engulfed in fire with huge blast

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
4	216	01.04.15	00.00	05.05.15	17.00	Stopped due to low demand and high frequency
		05.05.15	17.00	19.05.15	21.00	Bushing change of G.T.-4 Transformer
		19.05.15	21.00	30.05.15	19.04	Stopped due to low demand and high frequency

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG-1	254	13.04.15	16.18	13.04.15	19.16	Unit stopped due to tripping of G.T. -2
		20.04.15	13.32	20.04.15	15.31	Unit tripped due to PDMX appeared on GRP panel
		01.05.15	14.10	01.05.15	17.29	Machine stopped due to G.T.-1 tripped
		02.05.15	16.29	02.05.15	22.34	Unit tripped on HP exhaust steam temperature very high
		30.05.15	19.10	31.05.15	23.59	Stopped due to low demand and high frequency

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG-2	254	01.04.15	00.00	05.05.15	17.00	Stopped due to low demand and high frequency
		19.05.15	21.00	30.05.15	19.04	

(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	31.05.15	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	31.05.15	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	31.05.15	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 01.04.2015

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	576	500	0	0	500
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
TOTAL	**9782**	**1302**	**2126**	**1860**	**0**	**0**	**1860**
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	103	98	0	0	98
Koteshwar HEP	400	40	39	37	0	0	37
TOTAL	**1400**	**139**	**142**	**135**	**0**	**0**	**135**
Total	**17627**	**1990**	**2992**	**2674**	**0**	**0**	**2674**
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	0	0	0	0	0
Ultra Mega Projects							
Sasan	3960	0	446	383	0	0	383
Grand Total	**29047**	**2257**	**3698**	**3275**	**0**	**0**	**3275**

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 2015

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	Townmcl	BTPS	Total						
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)		(9)= (3) to (8)	(10)	(11)	(12)= (11) - (10)	(13)= (11)+ (12)	(14)	(15)= (13)+ (14)
1	15.44.12	46	74	284	0	-5	16	256	671	3690	3294	396	4361	0	4361
2	15.32.54	50	73	275	0	274	16	241	929	3115	3196	-81	4044	0	4044
3	22.57.45	53	78	275	0	281	16	244	947	3035	2849	186	3982	0	3982
4	22.47.08	58	78	280	0	307	15	248	986	3237	3105	132	4223	0	4223
5	15.21.03	51	73	277	0	293	16	229	939	3622	3546	76	4561	12	4573
6	15.31.50	54	129	282	0	289	16	215	985	3778	3596	182	4763	0	4763
7	16.05.52	99	136	280	0	292	16	240	1063	3897	3640	257	4960	0	4960
8	15.37.16	48	133	289	0	296	16	315	1097	4014	3846	168	5111	0	5111
9	15.42.10	51	132	286	0	299	16	308	1092	3693	3776	-83	4785	28	4813
10	23.24.28	49	143	242	0	303	16	370	1123	3814	3705	109	4937	0	4937
11	15.50.27	51	138	285	0	289	16	255	1034	3979	3721	258	5013	0	5013
12	22.59.58	52	105	285	0	307	16	394	1159	3966	3797	169	5125	0	5125
13	00.01.19	49	109	285	0	304	16	388	1151	3805	3662	143	4956	0	4956
14	15.29.05	42	108	276	0	279	16	383	1104	3376	3488	-112	4480	0	4480
15	00.00.16	45	112	267	0	305	16	387	1132	3181	3120	61	4313	0	4313
16	23.23.01	37	115	149	0	276	16	339	932	3406	3367	39	4338	2	4340
17	23.08.40	40	110	146	0	278	16	339	929	3605	3537	68	4534	0	4534
18	23.30.00	39	107	273	0	297	15	327	1058	3969	4021	-52	5027	16	5043
19	12.32.35	39	100	272	0	289	16	334	1050	3909	3686	223	4959	2	4961
20	15.43.32	35	70	274	0	289	16	323	1007	3813	3908	-95	4820	1	4821
21	15.40.52	-3	70	278	0	284	16	328	973	3995	4131	-136	4968	23	4991
22	23.17.07	0	106	274	0	293	16	332	1021	4106	4017	89	5127	5	5132
23	15.02.56	-2	76	273	0	277	15	380	1019	4050	3921	129	5069	0	5069
24	23.18.59	-2	72	267	0	287	13	323	960	4131	4097	34	5091	11	5102
25	15.07.08	-3	67	263	0	275	13	361	976	4297	4368	-71	5273	2	5275
26	15.47.18	-3	65	264	0	276	13	315	930	4535	4500	35	5465	3	5468
27	15.50.58	0	68	262	0	285	16	333	964	4257	4219	38	5221	1	5222
28	15.42.35	0	69	284	0	314	16	365	1048	4311	4316	-5	5359	0	5359
29	15.36.07	0	69	265	0	322	16	265	937	4347	4395	-48	5284	0	5284
30	15.48.46	-2	69	266	0	325	16	398	1072	4112	4135	-23	5184	0	5184
31	00.00.38	-1	74	262	0	288	16	392	1031	4093	4019	74	5124	0	5124

7 POWER AVAILABILITY- DEMAND POSITION AT THE TIME OF MAXIMUM UNRESTRICTED DEMAND DURING MAY 2015

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	15.44.12	46	74	284	0	-5	16	256	671	3690	3294	396	4361	0	4361
2	15.32.54	50	73	275	0	274	16	241	929	3115	3196	-81	4044	0	4044
3	23.30	55	78	272	0	280	17	235	937	2889	2871	18	3826	177	4003
4	22.47.08	58	78	280	0	307	15	248	986	3237	3105	132	4223	0	4223
5	15.21.03	51	73	277	0	293	16	229	939	3622	3546	76	4561	12	4573
6	23.30	89	142	284	0	303	18	249	1086	3613	3556	57	4698	291	4989
7	16.05.52	99	136	280	0	292	16	240	1063	3897	3640	257	4960	0	4960
8	15.37.16	48	133	289	0	296	16	315	1097	4014	3846	168	5111	0	5111
9	15.42.10	51	132	286	0	299	16	308	1092	3693	3776	-83	4785	28	4813
10	23.24.28	49	143	242	0	303	16	370	1123	3814	3705	109	4937	0	4937
11	15.50.27	51	138	285	0	289	16	255	1034	3979	3721	258	5013	0	5013
12	22.59.58	52	105	285	0	307	16	394	1159	3966	3797	169	5125	0	5125
13	00.01.19	49	109	285	0	304	16	388	1151	3805	3662	143	4956	0	4956
14	15.29.05	42	108	276	0	279	16	383	1104	3376	3488	-112	4480	0	4480
15	00.00.16	45	112	267	0	305	16	387	1132	3181	3120	61	4313	0	4313
16	23.23.01	37	115	149	0	276	16	339	932	3406	3367	39	4338	2	4340
17	23.08.40	40	110	146	0	278	16	339	929	3605	3537	68	4534	0	4534
18	23.30	39	107	273	0	297	14	327	1058	3969	4024	-56	5027	1	5028
19	12.32.35	39	100	272	0	289	16	334	1050	3909	3686	223	4959	2	4961
20	15.43.32	35	70	274	0	289	16	323	1007	3813	3908	-95	4820	1	4821
21	15.40.52	-3	70	278	0	284	16	328	973	3995	4131	-136	4968	23	4991
22	23.17.07	0	106	274	0	293	16	332	1021	4106	4017	89	5127	5	5132
23	15.02.56	-2	76	273	0	277	15	380	1019	4050	3921	129	5069	0	5069
24	23.18.59	-2	72	267	0	287	13	323	960	4131	4097	34	5091	11	5102
25	15.07.08	-3	67	263	0	275	13	361	976	4297	4368	-71	5273	2	5275
26	15.47.18	-3	65	264	0	276	13	315	930	4535	4500	35	5465	3	5468
27	15.50.58	0	68	262	0	285	16	333	964	4257	4219	38	5221	1	5222
28	15.42.35	0	69	284	0	314	16	365	1048	4311	4316	-5	5359	0	5359
29	15.36.07	0	69	265	0	322	16	265	937	4347	4395	-48	5284	0	5284
30	15.48.46	-2	69	266	0	325	16	398	1072	4112	4135	-23	5184	0	5184
31	00.00.38	-1	74	262	0	288	16	392	1031	4093	4019	74	5124	0	5124

8 SOURCEWISE SCHEDULED DRAWL FROM NORTHERN GRID AS WELL AS AVAILABILITY WITHIN DELHI FOR MAY 2015

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

A (i) RPH	29.000
(ii) GT+STG	72.836
(iii) PRAGATI	198.884
(iv) RITHALA	0.000
(v) BAWANA CCGT	217.410
(vi) Timarpur – Okhla	14.086
TOTAL	532.216
B) AVAILABILITY FROM BTPS	229.114
C) AUXILIARY CONSUMPTION OF GENERATING STNs. EXCLUDING BTPS	22.621
D) NET GENERATION AVAILABLE WITHIN DELHI(A+B-C)	**738.709**

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	13.451	13.036	4.126	3.999
SALAL	54.987	53.293	16.871	16.351
SASAN	244.223	236.688	235.225	227.969
TANKAPUR	4.954	4.801	1.520	1.473
CHAMERA	30.539	29.596	9.369	9.080
CHAMERA -II	29.691	28.776	9.110	8.829
CHAMERA -III	21.564	20.900	6.614	6.410
DHAULIGANGA	16.526	16.017	5.071	4.915
SEWA -2	11.270	10.922	3.458	3.351
URI	38.967	37.765	11.956	11.587
URI-II	0.000	0.000	0.000	0.000
KOTESHWAR	11.298	10.949	11.298	10.949
PARBATI3	10.595	10.270	10.595	10.270
RAMPUR	0.000	0.000	0.000	0.000
MUNDRA_UMPP	0.000	0.000	0.000	0.000
ANTA (GAS)	17.452	16.917	9.965	9.660
ANTA (RLNG)	10.646	10.315	0.000	0.000
ANTA (LIQUID)	0.483	0.468	0.000	0.000
DADRI (GAS)	46.847	45.396	17.159	16.630
DADRI (RLNG)	18.938	18.360	0.000	0.000
DADRI (LIQUID)	0.000	0.000	0.000	0.000
AURAIYA (GAS)	21.223	20.567	8.094	7.844
AURAIYA (RLNG)	32.555	31.553	0.000	0.000
AURAIYA (LIQUID)	0.000	0.000	0.000	0.000
SINGRAULI	96.107	93.141	84.402	81.798
RIHAND -I	45.167	43.769	33.045	32.025
RIHAND -II	88.239	85.518	69.336	67.201
RIHAND -III	93.861	90.966	75.826	73.490
UNCHAHAR-I	17.196	16.665	10.836	10.502
UNCHAHAR-II	33.479	32.447	22.156	21.474
UNCHAHAR-III	14.861	14.406	8.479	8.220
DADRI (TH)	346.453	335.781	252.256	244.490
DADRI (TH) STAGE-II	546.840	529.976	382.012	370.268
NAPP	30.525	29.584	30.505	29.564
RAPP 'B'	0.000	0.000	0.000	0.000
RAPP 'C'	34.841	33.766	34.841	33.766
NATHPA JHAKRI	101.483	98.362	39.751	38.524
DULASTI	36.910	35.772	36.869	35.732
TEHRI	23.886	23.149	23.886	23.149
JHAJJAR	0.000	0.000	0.000	0.000
KHELGAON	33.585	32.550	23.776	23.044
KHELGAON-II	107.249	103.939	81.484	78.973
FARAKA	13.940	13.510	10.565	10.239
TALA	9.551	9.257	9.551	9.257
TALCHER	0.000	0.000	0.000	0.000

NAME OF THE STATION	AVAILABILITY AT POWER PLANT	AVAILABILITY AT DELHI PERIPHERY	ALLOCATION MADE BY NRLDC AT POWER PLANT	ALLOCATION MADE BY NRLDC AT DELHI PERIPHERY
DVC	231.692	229.408	229.408	222.348
UTTAR PRADESH	0.000	0.000	0.000	0.000
TRIPUA	0.000	0.000	0.000	0.000
MAHARASHTRA	0.000	0.000	0.000	0.000
DVC CTPS (BRPL)	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	174.433	172.701	172.701	167.376
DVC MEJIA (LT-08)(BYPL)	35.657	35.313	35.313	34.234
URS	0.000	0.000	0.000	0.000
JAMMU & KASHMIR	221.869	218.951	218.951	212.216
HIMACHAL PRADESH	121.761	119.795	119.795	116.125
PUNJAB	0.000	0.000	0.000	0.000
MADHYA PRADESH	0.359	0.354	0.354	0.343
HARYANA	0.000	0.000	0.000	0.000
DVC LT-9	0.000	0.000	0.000	0.000
HARYANA (LT-05)	15.328	15.129	15.129	14.668
WEST BENGAL	0.000	0.000	0.000	0.000
ORISSA	0.000	0.000	0.000	0.000
TO HARYANA	0.000	0.000	0.000	0.000
TO MEGHALAYA	0.000	0.000	0.000	0.000
TO UTTAR PRADESH	-10.148	-10.350	-10.350	-10.684
TO JAMMU & KASHMIR	0.000	0.000	0.000	0.000
TO KERALA	0.000	0.000	0.000	0.000
TO ASSAM	0.000	0.000	0.000	0.000
TO MADHYA PRADESH	0.000	0.000	0.000	0.000
TO JHARKHAND	0.000	0.000	0.000	0.000
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)	117.632	114.017	117.632	114.017
TO POWER EXCHANGE (IEX)	-31.890	-32.904	-31.890	-32.904
POWRER EXCHANGE(PX)	0.000	0.000	0.000	0.000
TO POWER EXCHANGE (PX)	-6.778	-6.995	-6.778	-6.995
TO SHARE PROJECT (HARYANA)	-16.799	-17.333	-16.799	-17.333
TO SHARE PROJECT (PUNJAB)	-12.432	-12.825	-12.432	-12.825
TOTAL	**3151.064**	**3064.411**	**2421.042**	**2341.622**

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	1430.346	1386.245	973.567	943.602
NTPC - ER	154.774	149.999	115.824	112.256
NHPC	269.454	261.148	115.560	111.998
NPC	65.366	63.350	65.345	63.330
SASAN	244.223	236.688	235.225	227.969
KOTESHWAR	11.298	10.949	11.298	10.949
MUNDRA_UMPP	0.000	0.000	0.000	
NATHPA JHAKRI	101.483	98.362	39.751	38.524
TEHRI	23.886	23.149	23.886	23.149
TALA	9.551	9.257	9.551	9.257
JHAJJAR	0.000	0.000	0.000	0.000
TALCHER	0.000	0.000	0.000	0.000
DVC	231.692	229.408	229.408	222.348
UTTAR PRADESH	0.000	0.000	0.000	0.000
TRIPURA	0.000	0.000	0.000	0.000
MAHARASHTRA	0.000	0.000	0.000	0.000
DVC CTPS (BRPL)	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	174.433	172.701	172.701	167.376

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
DVC MEJIA (LT-08)(BYPL)	35.657	35.313	35.313	34.234
URS	0.000	0.000	0.000	0.000
JAMMU & KASHMIR	221.869	218.951	218.951	212.216
HIMACHAL PRADESH	121.761	119.795	119.795	116.125
PUNJAB	0.000	0.000	0.000	0.000
MADHYA PRADESH	0.359	0.354	0.354	0.343
HARYANA	0.000	0.000	0.000	0.000
DVC (FOR NDPL) LT-09	0.000	0.000	0.000	0.000
HARYANA (LT -05)	15.328	15.129	15.129	14.668
WEST BENGAL	0.000	0.000	0.000	0.000
ORISSA	0.000	0.000	0.000	0.000
POWER EXCHANGE(IEX)	117.632	114.017	117.632	114.017
POWER EXCHANGE(PX)	0.000	0.000	0.000	0.000
TOTAL	**3229.112**	**3144.816**	**2499.291**	**2422.362**

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 HARYANA	0.000	0.000	0.000	0.000
TO MEGHALAYA	0.000	0.000	0.000	0.000
TO UTTAR PRADESH	-10.148	-10.350	-10.350	-10.684
TO JAMMU & KASHMIR	0.000	0.000	0.000	0.000
TO ASSAM	0.000	0.000	0.000	0.000
TO KERALA	0.000	0.000	0.000	0.000
TO MADHYA PRADESH	0.000	0.000	0.000	0.000
TO JHARKHAND	0.000	0.000	0.000	0.000
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)	-31.890	-32.904	-31.890	-32.904
TO POWER EXCHANGE (PX)	-6.778	-6.995	-6.778	-6.995
TO SHARE PROJECT (HARYANA)	-16.799	-17.333	-16.799	-17.333
TO SHARE PROJECT (PUNJAB)	-12.432	-12.825	-12.432	-12.825
TOTAL	**-78.047**	**-80.406**	**-78.249**	**-80.740**
TOTAL SCHEDULED DRAWAL FROM THE GRID	**3151.064**	**3064.411**	**2421.042**	**2341.622**

TOTAL CONSUMPTION INCLUDING AUX. OF GENERATING STNs. EXCLUDING BTPS		3109.321
NET CONSUMPTION		**3086.700**
AVAILABILITY WITHIN DELHI		738.709
ACTUAL DRAWAL FROM THE GRID		2347.991
OVER DRAWAL(+)/UNDER DRAWAL(-) FROM THE GRID ON THE BASIS OF SCHEDULED ALLOCATION MADE BY NRLDC TO DELHI AT PERIPHERY		6.369
LOAD SHEDDING		5.323
UNRESTRICTED DEMAND (GROSS)		3114.644
UNRESTRICTED DEMAND (NET)		3092.023
MAX. NET CONSUMPTION		112.589MUs ON 26.05.2015
MAX. LOAD SHEDDING		374MW ON 09.05.2015 AT 14.00HRS.
PEAK LOAD	Peak Demand during the month	SHEDDING AT PEAK TIME
DAY PEAK	5465MW AT 15.47.18HRS ON 26.05.2015	3 MW
EVENING PEAK	5231MW AT 23.30HRS ON 28.05.2015	10 MW
P.L.F. OF GENCO AND PRAGATI STNs.	RPH	28.87%
	GT	36.26%
	PRAGATI	81.01%
	RITHALA	0.00%
	BAWANA	21.31%
	Timarpur Okhla	118.33%

9 SHEDDING DETAILS DURING THE MONTH OF MAY 2015.

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.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
02.May.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
03.May.15	0	0.000	0.000	0.000	0.000	**0.000**	0.015	0.086	0.019	0.000	0.000
04.May.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
05.May.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.026	0.006	0.000	0.000
06.May.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.030	0.003	0.000	0.000
07.May.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.007	0.000	0.000
08.May.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
09.May.15	0	0.000	0.000	0.000	0.000	**0.000**	0.036	0.276	0.016	0.000	0.000
10.May.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
11.May.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
12.May.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
13.May.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
14.May.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
15.May.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
16.May.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
17.May.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.005	0.000	0.000
18.May.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.020	0.000	0.000	0.000
19.May.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
20.May.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
21.May.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
22.May.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
23.May.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
24.May.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
25.May.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.040	0.000	0.000
26.May.15	0	0.000	0.000	0.000	0.000	**0.000**	0.046	0.188	0.046	0.016	0.000
27.May.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
28.May.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
29.May.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.016	0.000	0.000
30.May.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
31.May.15	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**	**0.097**	**0.626**	**0.158**	**0.016**	**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.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
02.May.15	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.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.120	0.120
04.May.15	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.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.032	0.032
06.May.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.033	0.033
07.May.15	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
08.May.15	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.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.328	0.328
10.May.15	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.15	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.15	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.15	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.15	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.15	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.15	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.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.005	0.005
18.May.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.020
19.May.15	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.15	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.15	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.15	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.15	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.15	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.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.040	0.040
26.May.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.296	0.296
27.May.15	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.15	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.15	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
30.May.15	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.15	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**	**0.897**	**0.897**

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.15	0.000	0.018	0.000	0.000	0.000	0.021	0.000	0.000	0.000
02.May.15	0.000	0.000	0.011	0.000	0.000	0.000	0.006	0.000	0.000
03.May.15	0.000	0.000	0.000	0.000	0.000	0.006	0.001	0.000	0.000
04.May.15	0.005	0.010	0.048	0.000	0.000	0.000	0.000	0.001	0.000
05.May.15	0.000	0.039	0.000	0.000	0.000	0.000	0.009	0.003	0.000
06.May.15	0.000	0.292	0.011	0.000	0.000	0.000	0.022	0.000	0.000
07.May.15	0.039	0.383	0.024	0.000	0.000	0.057	0.038	0.004	0.000
08.May.15	0.000	0.000	0.000	0.000	0.000	0.014	0.000	0.006	0.000
09.May.15	0.000	0.000	0.012	0.000	0.000	0.032	0.031	0.017	0.000
10.May.15	0.000	0.000	0.000	0.000	0.000	0.003	0.000	0.000	0.000
11.May.15	0.010	0.071	0.000	0.000	0.000	0.000	0.062	0.000	0.000
12.May.15	0.000	0.000	0.000	0.000	0.000	0.009	0.000	0.001	0.000
13.May.15	0.000	0.012	0.013	0.000	0.000	0.000	0.105	0.045	0.000
14.May.15	0.000	0.000	0.000	0.000	0.000	0.006	0.000	0.000	0.000
15.May.15	0.000	0.000	0.000	0.000	0.000	0.000	0.029	0.001	0.000
16.May.15	0.000	0.000	0.000	0.000	0.000	0.025	0.039	0.011	0.000
17.May.15	0.000	0.000	0.000	0.000	0.000	0.000	0.007	0.001	0.000
18.May.15	0.003	0.000	0.000	0.000	0.000	0.000	0.138	0.002	0.000
19.May.15	0.143	0.039	0.004	0.000	0.000	0.009	0.071	0.007	0.000
20.May.15	0.000	0.000	0.000	0.000	0.000	0.009	0.004	0.001	0.000
21.May.15	0.000	0.000	0.000	0.000	0.000	0.014	0.113	0.022	0.000
22.May.15	0.129	0.018	0.096	0.000	0.000	0.013	0.034	0.000	0.000
23.May.15	0.000	0.071	0.015	0.000	0.000	0.004	0.018	0.003	0.000
24.May.15	0.000	0.000	0.014	0.000	0.000	0.029	0.085	0.001	0.000
25.May.15	0.000	0.000	0.000	0.000	0.000	0.025	0.074	0.000	0.000
26.May.15	0.000	0.000	0.000	0.000	0.000	0.012	0.072	0.000	0.000
27.May.15	0.007	0.045	0.061	0.000	0.000	0.001	0.022	0.008	0.000
28.May.15	0.039	0.146	0.001	0.000	0.000	0.018	0.110	0.000	0.001
29.May.15	0.000	0.000	0.000	0.000	0.000	0.003	0.043	0.002	0.000
30.May.15	0.000	0.000	0.010	0.000	0.000	0.020	0.049	0.005	0.000
31.May.15	0.000	0.000	0.000	0.000	0.000	0.030	0.641	0.000	0.000
TOTAL	**0.375**	**1.144**	**0.320**	**0.000**	**0.000**	**0.360**	**1.823**	**0.141**	**0.001**

ALL FIGURES IN MUs

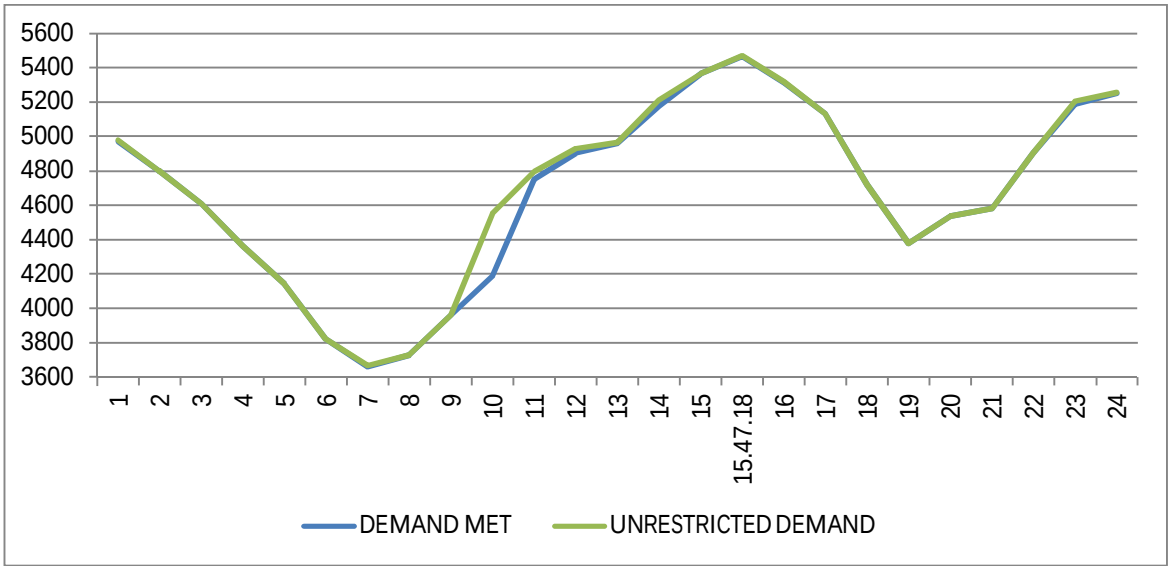
DATE	OTHER AGENCIES LIKE GENCO, BBMB, BTPS ETC.				THEFT PRONE SHEDDING			TOTAL SHEDDING DUE TO T&D CONSTS. & THEFT PRONE	GRAND TOTAL
	BSES		NDPL	NDMC	BSES		NDPL		
	BYPL	BRPL			BYPL	BRPL			
1	35	36	37	38	39	40	41	42= 26 to 41	43 = 25 + 42
01.May.15	0.000	0.000	0.000	0.000	0.000	0.000	0.010	**0.049**	**0.049**
02.May.15	0.000	0.000	0.000	0.000	0.000	0.000	0.002	**0.019**	**0.019**
03.May.15	0.000	0.000	0.000	0.000	0.000	0.000	0.003	**0.010**	**0.130**
04.May.15	0.000	0.000	0.000	0.000	0.000	0.000	0.011	**0.075**	**0.075**
05.May.15	0.000	0.000	0.000	0.000	0.000	0.000	0.006	**0.057**	**0.089**
06.May.15	0.000	0.000	0.000	0.000	0.000	0.000	0.010	**0.335**	**0.368**
07.May.15	0.000	0.000	0.000	0.000	0.000	0.000	0.002	**0.547**	**0.554**
08.May.15	0.000	0.000	0.000	0.000	0.000	0.000	0.014	**0.034**	**0.034**
09.May.15	0.000	0.000	0.000	0.000	0.000	0.000	0.001	**0.093**	**0.421**
10.May.15	0.000	0.000	0.000	0.000	0.000	0.000	0.002	**0.005**	**0.005**
11.May.15	0.000	0.000	0.000	0.000	0.000	0.000	0.029	**0.172**	**0.172**
12.May.15	0.000	0.000	0.000	0.000	0.000	0.000	0.004	**0.014**	**0.014**
13.May.15	0.000	0.000	0.000	0.000	0.000	0.000	0.010	**0.185**	**0.185**
14.May.15	0.000	0.000	0.000	0.000	0.000	0.000	0.003	**0.009**	**0.009**
15.May.15	0.000	0.000	0.000	0.000	0.000	0.000	0.002	**0.032**	**0.032**
16.May.15	0.000	0.000	0.000	0.000	0.000	0.000	0.001	**0.076**	**0.076**
17.May.15	0.000	0.000	0.000	0.000	0.000	0.000	0.003	**0.011**	**0.016**
18.May.15	0.000	0.000	0.000	0.000	0.000	0.000	0.001	**0.144**	**0.164**
19.May.15	0.000	0.000	0.000	0.000	0.000	0.000	0.003	**0.276**	**0.276**
20.May.15	0.000	0.000	0.000	0.000	0.000	0.000	0.002	**0.016**	**0.016**
21.May.15	0.000	0.000	0.000	0.000	0.000	0.000	0.003	**0.152**	**0.152**
22.May.15	0.000	0.000	0.000	0.000	0.000	0.000	0.023	**0.313**	**0.313**
23.May.15	0.000	0.000	0.000	0.000	0.000	0.000	0.030	**0.141**	**0.141**
24.May.15	0.000	0.000	0.000	0.000	0.000	0.000	0.015	**0.144**	**0.144**
25.May.15	0.000	0.000	0.000	0.000	0.000	0.000	0.018	**0.117**	**0.157**
26.May.15	0.000	0.000	0.000	0.000	0.000	0.000	0.015	**0.099**	**0.395**
27.May.15	0.000	0.000	0.000	0.000	0.000	0.000	0.003	**0.147**	**0.147**
28.May.15	0.000	0.000	0.000	0.000	0.000	0.000	0.018	**0.333**	**0.333**
29.May.15	0.000	0.000	0.000	0.000	0.000	0.000	0.003	**0.051**	**0.067**
30.May.15	0.000	0.000	0.000	0.000	0.000	0.000	0.013	**0.097**	**0.097**
31.May.15	0.000	0.000	0.000	0.000	0.000	0.000	0.002	**0.673**	**0.673**
TOTAL	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.262**	**4.426**	**5.323**

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.15	87.708	**4361**	15:44:12	0	**4361**	**4361**	15:44:12	**4361**	0
02.May.15	85.381	**4044**	15:32:54	0	**4044**	**4044**	15:32:54	**4044**	0
03.May.15	82.603	**3982**	22:57:45	0	**3982**	**4003**	22:57:45	**3826**	177
04.May.15	88.160	**4223**	22:47:08	0	**4223**	**4223**	22:47:08	**4223**	0
05.May.15	94.103	**4561**	15:21:03	12	**4573**	**4573**	15:21:03	**4561**	12
06.May.15	96.523	**4763**	15:31:50	0	**4763**	**4989**	15:31:50	**4698**	291
07.May.15	100.623	**4960**	16:05:52	0	**4960**	**4960**	16:05:52	**4960**	0
08.May.15	100.573	**5111**	15:37:16	0	**5111**	**5111**	15:37:16	**5111**	0
09.May.15	98.530	**4785**	15:42:10	28	**4813**	**4813**	15:42:10	**4785**	28
10.May.15	98.111	**4937**	23:24:28	0	**4937**	**4937**	23:24:28	**4937**	0
11.May.15	102.341	**5013**	15:50:27	0	**5013**	**5013**	15:50:27	**5013**	0
12.May.15	103.841	**5125**	22:59:58	0	**5125**	**5125**	22:59:58	**5125**	0
13.May.15	95.277	**4956**	00:01:19	0	**4956**	**4956**	00:01:19	**4956**	0
14.May.15	90.510	**4480**	15:29:05	0	**4480**	**4480**	15:29:05	**4480**	0
15.May.15	94.515	**4313**	00:00:16	0	**4313**	**4313**	00:00:16	**4313**	0
16.May.15	89.767	**4338**	23:23:01	2	**4340**	**4340**	23:23:01	**4338**	2
17.May.15	88.524	**4534**	23:08:40	0	**4534**	**4534**	23:08:40	**4534**	0
18.May.15	104.869	**5027**	23:30	1	**5028**	**5028**	23:30	**5027**	1
19.May.15	102.143	**4959**	12:32:35	2	**4961**	**4961**	12:32:35	**4959**	2
20.May.15	98.796	**4820**	15:43:32	1	**4821**	**4821**	15:43:32	**4820**	1
21.May.15	105.262	**4968**	15:40:52	23	**4991**	**4991**	15:40:52	**4968**	23
22.May.15	102.587	**5127**	23:17:07	5	**5132**	**5132**	23:17:07	**5127**	5
23.May.15	106.901	**5069**	15:02:56	0	**5069**	**5069**	15:02:56	**5069**	0
24.May.15	103.404	**5091**	23:18:59	11	**5102**	**5102**	23:18:59	**5091**	11
25.May.15	111.244	**5273**	15:07:08	2	**5275**	**5275**	15:07:08	**5273**	2
26.May.15	112.589	**5465**	15:47:18	3	**5468**	**5468**	15:47:18	**5465**	3
27.May.15	110.225	**5221**	15:50:58	1	**5222**	**5222**	15:50:58	**5221**	1
28.May.15	109.506	**5359**	15:42:35	0	**5359**	**5359**	15:42:35	**5359**	0
29.May.15	112.491	**5384**	15:36:07	0	**5384**	**5384**	15:36:07	**5384**	0
30.May.15	108.287	**5184**	15:48:46	0	**5184**	**5184**	15:48:46	**5184**	0
31.May.15	**101.306**	**5124**	00:00:38	0	**5124**	**5124**	00:00:38	**5124**	0
TOTAL	**3086.700**	**5465** **26.05.15**	15:47:18	3	**5468** 26.05.15	**5468**	15:47:18	**5465**	3

10 LOAD PATTERN OF DELHI ON THE DAY OF PEAK DEMAND MET DURING MAY 2015 ON 26.05.2015- 5465MW AT 15.47.18HRS.

All figures in MW

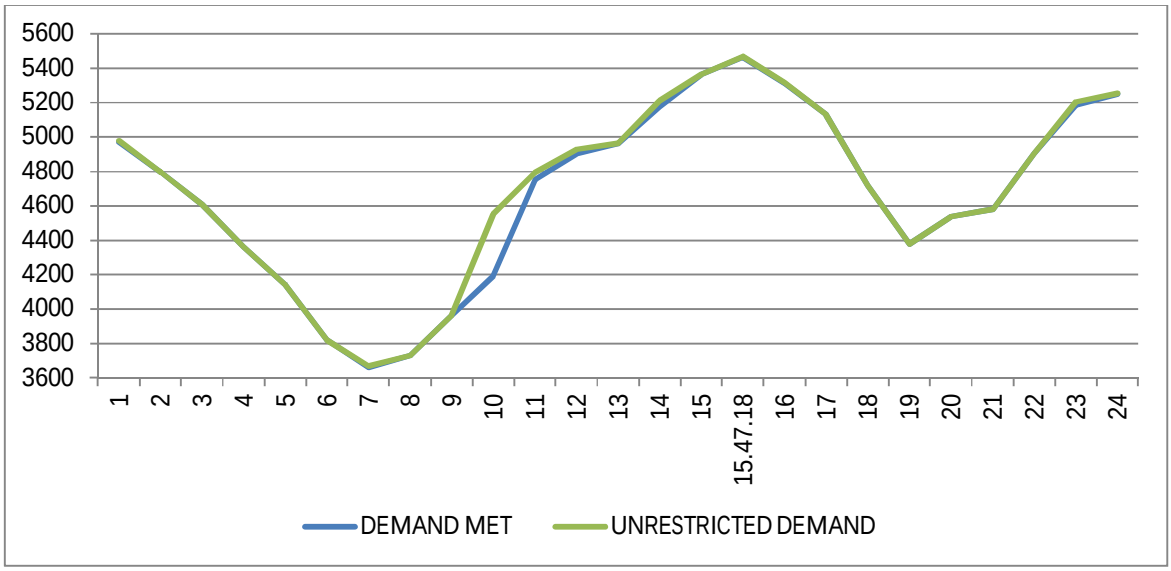
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1	4970	9	4979
2	4797	0	4797
3	4605	0	4605
4	4363	0	4363
5	4141	0	4141
6	3821	0	3821
7	3661	8	3669
8	3729	1	3730
9	3961	0	3961
10	4190	363	4553
11	4750	44	4794
12	4905	24	4929
13	4961	3	4964
14	5174	36	5210
15	5362	0	5362
15.47.18	5465	3	5468
16	5312	5	5317
17	5130	3	5133
18	4719	0	4719
19	4379	0	4379
20	4536	0	4536
21	4580	0	4580
22	4902	3	4905
23	5185	20	5205
24	5252	3	5255
Total (IN MUS)	**112.589**	**0.147**	112.736



11 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UN-RESTRICTED DEMAND DURING MAY 2015 ON 26.05.2015- 5468MW AT 15.47.18HRS.

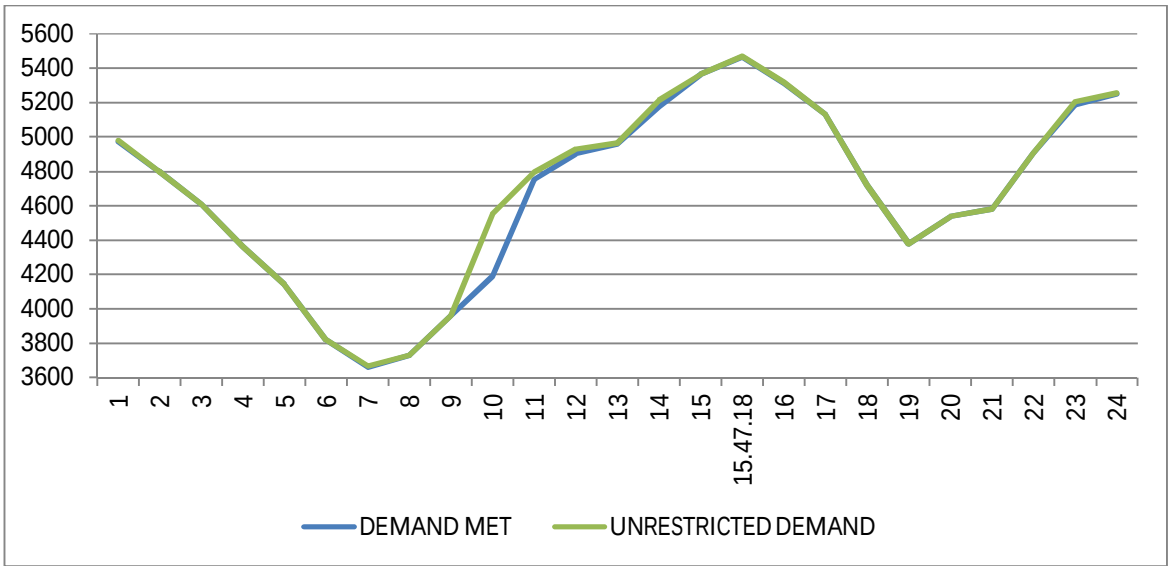
All figures in MW

Hrs.	Demand	Load Shedding	Un-Restricted Demand
1	4970	9	4979
2	4797	0	4797
3	4605	0	4605
4	4363	0	4363
5	4141	0	4141
6	3821	0	3821
7	3661	8	3669
8	3729	1	3730
9	3961	0	3961
10	4190	363	4553
11	4750	44	4794
12	4905	24	4929
13	4961	3	4964
14	5174	36	5210
15	5362	0	5362
15.47.18	5465	3	5468
16	5312	5	5317
17	5130	3	5133
18	4719	0	4719
19	4379	0	4379
20	4536	0	4536
21	4580	0	4580
22	4902	3	4905
23	5185	20	5205
24	5252	3	5255
Total (IN MUS)	**112.589**	**0.147**	112.736



12 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM ENERGY CONSUMED DURING MAY 2015 – 26.05.2015 – 112.589Mus All figures in MW

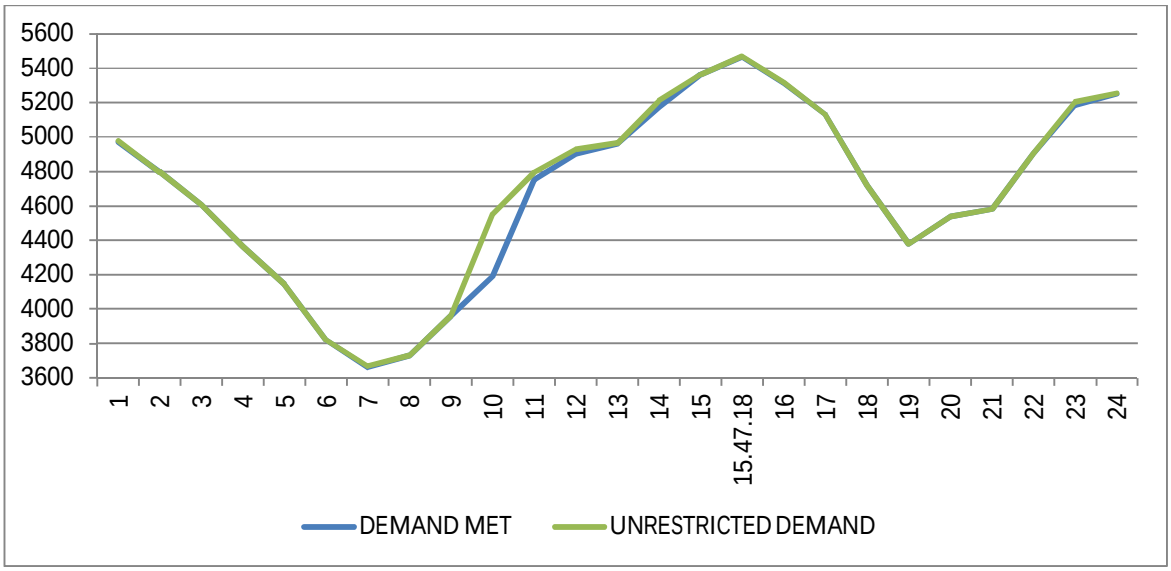
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1	4970	9	4979
2	4797	0	4797
3	4605	0	4605
4	4363	0	4363
5	4141	0	4141
6	3821	0	3821
7	3661	8	3669
8	3729	1	3730
9	3961	0	3961
10	4190	363	4553
11	4750	44	4794
12	4905	24	4929
13	4961	3	4964
14	5174	36	5210
15	5362	0	5362
15.47.18	5465	3	5468
16	5312	5	5317
17	5130	3	5133
18	4719	0	4719
19	4379	0	4379
20	4536	0	4536
21	4580	0	4580
22	4902	3	4905
23	5185	20	5205
24	5252	3	5255
Total (IN MUS)	**112.589**	**0.147**	112.736



13 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UNRESTRICTED ENERGY DEMAND DURING MAY 2015 – 26.05.2015 – 112.984 Mus

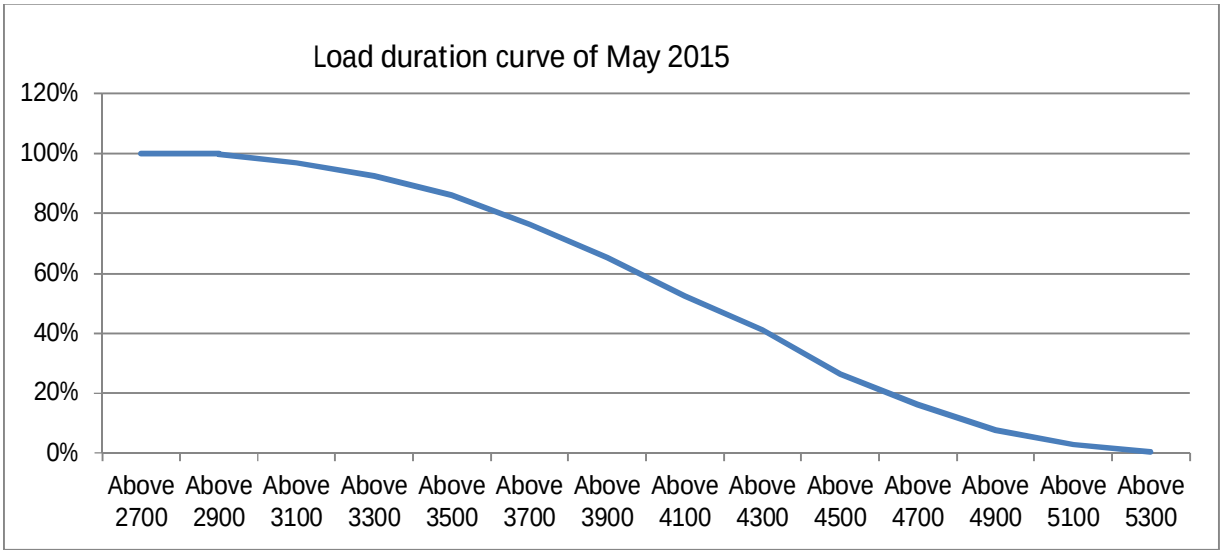
All figures in MW

Hrs.	Demand	Load Shedding	Un-Restricted Demand
1	4970	9	4979
2	4797	0	4797
3	4605	0	4605
4	4363	0	4363
5	4141	0	4141
6	3821	0	3821
7	3661	8	3669
8	3729	1	3730
9	3961	0	3961
10	4190	363	4553
11	4750	44	4794
12	4905	24	4929
13	4961	3	4964
14	5174	36	5210
15	5362	0	5362
15.47.18	5465	3	5468
16	5312	5	5317
17	5130	3	5133
18	4719	0	4719
19	4379	0	4379
20	4536	0	4536
21	4580	0	4580
22	4902	3	4905
23	5185	20	5205
24	5252	3	5255
Total (IN MUS)	**112.589**	**0.147**	112.736



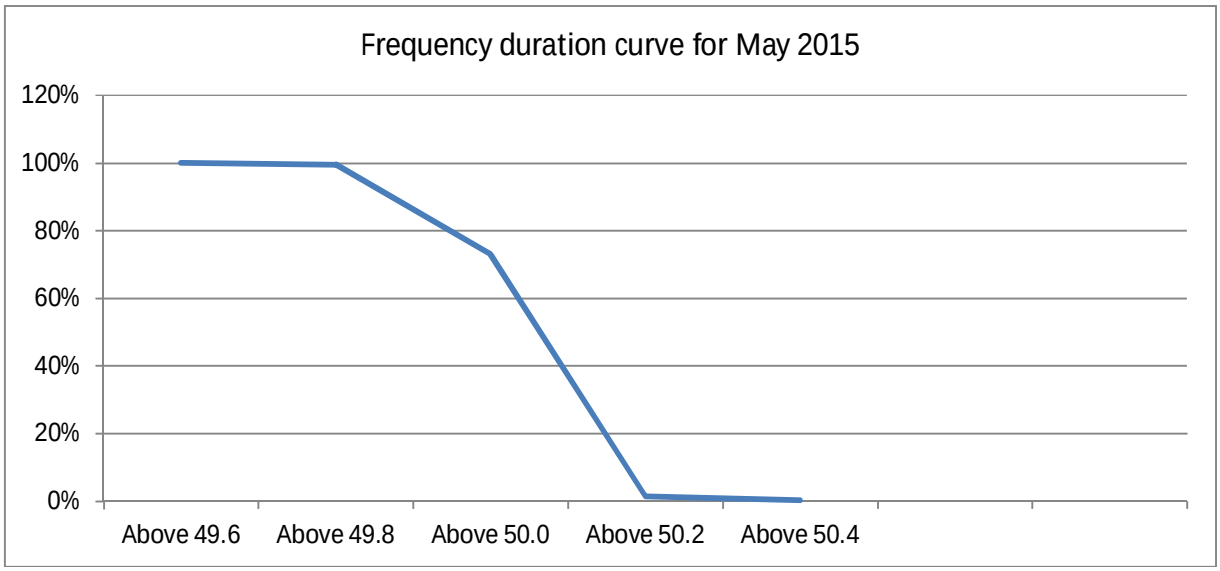
14 LOAD DURATION CURVE FOR MAY 2015

Load in MW	Percentage of Time
Above 2700	100%
Above 2900	99.97%
Above 3100	96.98%
Above 3300	92.54%
Above 3500	86.12%
Above 3700	76.44%
Above 3900	65.22%
Above 4100	52.39%
Above 4300	41.06%
Above 4500	26.38%
Above 4700	16.26%
Above 4900	7.66%
Above 5100	2.76%
Above 5300	0.37%



15 FREQUENCY ANALYSIS FOR THE MONTH OF MAY 2015

Frequency Range in Hz.	Percentage of time
Above 49.6	100%
Above 49.8	99.53%
Above 50.0	72.98%
Above 50.2	1.31%
Above 50.4	0.17%



16 VOLTAGE PROFILE OF 220 KV SUB-STATIONS IN DELHI DURING MAY 2015

All figures in kV

Date	NARELA		GAZIPUR	
	Max	Min	Max	Min
01.May.15	226.21	--	219.63	204.80
02.May.15	229.30	216.41	218.34	201.15
03.May.15	230.85	217.82	218.60	204.67
04.May.15	228.53	214.34	216.53	202.73
05.May.15	227.37	215.24	220.15	208.67
06.May.15	225.95	214.34	221.82	209.44
07.May.15	226.59	217.05	220.79	209.96
08.May.15	219.76	219.76	222.21	208.54
09.May.15	219.76	219.75	221.44	208.15
10.May.15	222.34	213.70	221.18	209.31
11.May.15	225.56	215.76	222.08	209.83
12.May.15	226.85	212.67	225.69	208.80
13.May.15	225.05	215.37	226.72	211.25
14.May.15	227.24	216.41	228.53	212.67
15.May.15	225.43	217.57	225.43	215.76
16.May.15	228.27	216.02	227.37	211.76
17.May.15	225.56	213.05	224.01	209.18
18.May.15	224.92	212.67	221.56	208.15
19.May.15	231.37	213.18	222.08	207.38
20.May.15	225.43	214.73	220.27	202.73
21.May.15	224.79	214.08	215.76	201.57
22.May.15	224.92	213.83	218.21	202.48
23.May.15	223.37	211.89	216.92	202.73
24.May.15	224.66	211.76	223.50	--
25.May.15	222.21	211.76	224.66	--
26.May.15	223.37	212.41	222.98	202.99
27.May.15	224.14	213.44	217.70	203.64
28.May.15	227.63	212.79	222.21	201.06
29.May.15	223.76	212.67	217.82	201.44
30.May.15	223.50	212.79	26.92	200.80
31.May.15	225.30	213.70	218.47	202.48

17 VOLTAGE PROFILE OF 400 KV SUB-STATIONS IN DELHI DURING MAY 2015

All figures in kV

Date	400kV Bamnauli Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01.May.15	420.90	06.00.44	393.23	393.23	23.15
02.May.15	415.74	18.02.30	393.23	393.23	1932
03.May.15	417.86	07.58.32	395.81	395.81	19.26
04.May.15	414.57	06.02.26	392.30	392.30	19.26
05.May.15	413.17	07.45.00	391.59	391.59	22.45
06.May.15	410.82	07.25.44	389.95	389.95	19.28
07.May.15	413.17	07.50.38	395.11	395.11	--
08.May.15	412.46	06.01.12	392.06	392.06	23.01
09.May.15	411.06	07.06.26	390.42	390.42	22.50
10.May.15	410.35	08.31.40	391.59	391.59	23.08
11.May.15	413.63	21.20.24	394.64	394.64	14.51
12.May.15	419.73	05.58.58	391.59	394.59	19.54
13.May.15	415.74	06.02.02	397.22	397.22	09.50
14.May.15	419.50	04.03.35	396.99	396.99	22.19
15.May.15	416.21	06.02.40	399.80	399.80	19.36
16.May.15	419.50	06.02.22	398.63	398.63	23.06
17.May.15	415.74	18.04.28	393.70	393.70	23.06
18.May.15	414.57	06.02.10	389.85	389.95	23.12
19.May.15	422.55	18.01.26	390.42	390.42	11.28
20.May.15	415.51	06.07.58	391.12	391.12	22.11
21.May.15	410.12	18.17.04	377.05	377.05	14.43
22.May.15	411.06	06.02.36	391.36	391.36	22.17
23.May.15	411.29	05.10.39	389.72	389.72	14.47
24.May.15	413.40	08.05.24	389.25	389.25	23.12
25.May.15	408.48	06.01	387.84	387.84	23.19
26.May.15	411.29	06.01	386.43	386.43	23.37
27.May.15	411.29	05.04	388.78	388.78	00.01
28.May.15	419.50	05.04	389.01	389.01	14.49
29.May.15	411.52	06.02	386.20	386.20	23.09
30.May.15	408.94	06.00	388.78	388.75	14.45
31.May.15	412.70	06.03	389.95	389.95	00.07

All figures in kV

Date	400kV Bawana Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01.May.15	426.77	06.01.20	402.85	23.13	416.53
02.May.15	423.25	18.02.20	400.27	19.32	413.52
03.May.15	424.19	07.58.32	403.32	19.24	414.27
04.May.15	420.90	07.51.51	398.39	19.28	409.41
05.May.15	419.03	07.42.41	401.68	14.42	408.80
06.May.15	416.21	07.24.00	398.39	19.26	417.16
07.May.15	418.32	07.49.40	402.61	00.08	409.48
08.May.15	407.77	00.31.20	407.77	00.31	407.77
09.May.15	407.77	00.32.44	407.77	00.32	407.77
10.May.15	414.57	18.04.33	400.50	23.09	407.95
11.May.15	419.73	21.20.35	402.85	14.49	410.37
12.May.15	423.72	05.58.56	400.50	22.34	409.08
13.May.15	421.61	18.01.46	404.02	00.04	413.42
14.May.15	424.19	04.03.46	405.43	22.20	414.82
15.May.15	420.90	06.02.15	407.30	19.36	413.88
16.May.15	423.95	04.00.53	406.37	19.22	413.87
17.May.15	421.37	18.03.34	402.61	22.29	413.06
18.May.15	418.09	06.01.44	398.63	23.13	409.24
19.May.15	425.59	18.01.31	399.33	11.28	408.31
20.May.15	416.21	05.28.49	398.63	22.11	408.23
21.May.15	413.87	18.16.44	396.99	23.17	405.78
22.May.15	413.40	06.02.14	399.33	00.36	405.69
23.May.15	414.34	05.11.40	398.63	14.46	405.87
24.May.15	417.15	18.03.17	396.05	14.42	409.37
25.May.15	412.23	06.03	396.99	23.01	404.19
26.May.15	413.63	06.02	394.41	23.35	403.38
27.May.15	414.57	05.04	396.05	00.00	404.29
28.May.15	423.72	05.04	398.39	23.08	406.31
29.May.15	415.04	06.03	395.81	23.08	405.01
30.May.15	413.17	06.02	396.28	23.14	404.59
31.May.15	416.92	17.06	397.22	00.05	409.52

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	Khichripur	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 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			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 2015

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
1	01-05-15	07:38	KANJHAWALA 66/11kV, 20MVA Tx-II	1-5-15	08:38	11KV I/C-1 TRIPPED ON E/F.
2	02-05-15	11:19	220kV GOPALPUR-MANDOLACKT-II	2-5-15	15:05	AT GOPALPUR CKT TRIPPED ON D/P,Z-1,DIST-2.2KM. AT MANDOLA CKT TRIPPED ON D/P,Z-1,B-PH,DIST-19.43KM.
3	04-05-15	10:52	NARAINA 33kV 10MVAR CAP. BANK-II	6-5-15	14:50	CAP BANK TRIPPED ON NEUTRAL UNBALANCING.
4	04-05-15	13:23	220kV GOPALPUR-MANDOLACKT-I	4-5-15	14:45	AT GOPALPUR CKT TRIPPED ON D/P,Z-1,R,Y AND B-PHASE, DIST-9.5KM. AT MANDOLA CKT TRIPPED ON D/P,Z-1,DIST-16.98KM.
5	04-05-15	14:29	220kV BAMNAULI-PAPPANKALAN-II CKT-II	4-5-15	14:39	AT BAMNAULI CKT TRIPPED ON 186A&B. NO TRIPPING AT PPK-2 END.
6	04-05-15	20:32	220kV GOPALPUR-MANDOLACKT-I	4-5-15	22:07	CKT TRIPPED DUE TO OPERATION OF SPS AT MANDOLA DUE TO TRIPPING OF POLE-2 OF MUNDRA-MAHENDREA GARH CKT.
7	04-05-15	20:32	220kV GOPALPUR-MANDOLACKT-II	4-5-15	22:07	CKT TRIPPED DUE TO OPERATION OF SPS AT MANDOLA DUE TO TRIPPING OF POLE-2 OF MUNDRA-MAHENDREA GARH CKT.
8	05-05-15	00:55	220kV BAMNAULI-PAPPANKALAN-I CKT-I	5-5-15	00:57	AT PPK-1 CKT TRIPPED ON D/P. NO TRIPPING AT BAMNAULI.
9	05-05-15	01:27	220kV BAMNAULI-PAPPANKALAN-I CKT-I	5-5-15	01:33	AT PPK-1 CKT TRIPPED ON D/P,86A,B&C. NO TRIPPING AT BAMNAULI.
10	06-05-15	02:55	MASJID MOTH 33kV VSNL CKT	6-5-15	19:45	FLASH OCCUR ON CT OF CKT AND IT TRIPPED ON D/P,Z-1,A-G-PHASE, DIRECTIONAL OVER CURRENT.
11	06-05-15	11:20	220kV DIAL- MEHRAULI CKT-I	6-5-15	11:43	AT MEHRAULI CKT TRIPPED ON D/P,Z-1,DIST-5.919KM. AT DIAL CKT TRIPPED ON D/P,Z-2.
12	06-05-15	11:31	220kV DIAL- MEHRAULI CKT-II	6-5-15	11:43	AT MEHRAULI CKT TRIPPED ON D/P,Z-1,DIST-2.415KM,86A&B. AT DIAL CKT TRIPPED ON D/P,Z-2.
13	06-05-15	11:32	220kV MEHRAULI - BTPS CKT. - II	6-5-15	11:37	CKT MADE OFF DUE TO OVER LOADING OF 220KV BALLABHGARH -BTPS CKT-1&2 AS BOTH THE 220KV DIAL-MEHRAULI CKTS TRIPPED AT 11:20 HRS. AND 11:31 HRS RESPECTIVELY.
14	06-05-15	11:32	220kV MEHRAULI - BTPS CKT. - I	6-5-15	11:37	CKT MADE OFF DUE TO OVER LOADING OF 220KV BALLABHGARH -BTPS CKT-1&2 AS BOTH THE 220KV DIAL-MEHRAULI CKTS TRIPPED AT 11:20 HRS. AND 11:31 HRS RESPECTIVELY.
15	06-05-15	12:01	220kV DIAL- MEHRAULI CKT-I	6-5-15	17:43	AT MEHRAULI CKT TRIPPED ON D/P,Z-1,DIST-616.4M. AT DIAL CKT TRIPPED ON D/P,Z-2.
16	06-05-15	23:28	220kV KANJHAWALA-NAJAFGARH CKT-2	7-5-15	00:25	AT NJF CKT TRIPPED ON D/P,Z-1,A&B-PH,186.
17	06-05-15	23:28	220kV KANJHAWALA-NAJAFGARH CKT	8-5-15	19:22	AT NJF CKT TRIPPED ON D/P,Z-1,A&B-PH,186. R-PH JUMPER SNAPPED.

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
18	06-05-15	23:28	220kV BAWANA - KANJHAWALA CKT-2	6-5-15	23:54	AT KANJHAWALA CKT TRIPPED ON D/P,RY&B-PH. NO TRIPPING AT BAWANA.
19	06-05-15	23:28	220kV BAWANA - KANJHAWALA CKT	6-5-15	23:46	AT BAWANA CKT TRIPPED ON D/P,Z-1,O/C,E/F,186. NO TRIPPING AT KANJHAWALA.
20	07-05-15	13:04	220kV GOPALPUR-MANDOLACKT-I	7-5-15	13:56	AT GOPALPUR CKT TRIPPED ON RY&B-PH,DIST-10.2KM. AT MANDOLA CKT TRIPPED ON R-N-PH,DIST-13.73KM.
21	07-05-15	13:46	220kV PRAGATI - SARITA VIHAR CKT	7-5-15	14:14	AT SARITAVIHAR CKT TRIPPED ON AB&C-PH,A/R,186A&B. AT PRAGATI CKT TRIPPED ON D/P,Z-1,B-N-PH.
22	07-05-15	13:46	220kV SARITA VIHAR - BTPS CKT.-I	7-5-15	14:05	AT SARITA VIHAR CKT TRIPPED ON AUTO-RECLOSE LOCKOUT. NO TRIPPING AT BTPS.
23	07-05-15	14:21	GEETA COLONY 220/33kV 100MVA Tx-I	7-5-15	14:25	33KV I/C-1 MADE OFF TO CONTROL OVER LOADING OF 220KV BTPS-BALLABHGARH CKT-2 AS 220KV BTPS-BALLABHGARH CKT-1 AND UNIT-2(95MW)TRIPPED AT 13:04HRS.
24	07-05-15	14:21	GEETA COLONY 220/33kV 100MVA Tx-II	7-5-15	14:48	33KV I/C-1 MADE OFF TO CONTROL OVER LOADING OF 220KV BTPS-BALLABHGARH CKT-2 AS 220KV BTPS-BALLABHGARH CKT-1 AND UNIT-2(95MW)TRIPPED AT 13:04HRS.
25	07-05-15	16:32	220kV KANJHAWALA-NAJAFGARH CKT-2	7-5-15	18:19	AT KANJHAWALA CKT TRIPPED ON D/P,Z-2,RY&B-PH. AT NJF CKT TRIPPED ON D/P.
26	07-05-15	16:32	220kV BAWANA - KANJHAWALA CKT-2	8-5-15	18:22	AT BWN CKT TRIPPED ON D/P,Z-1,A-PH,DIST-0.15KM. TOP PHASE CONDUCTOR SNAPPED AT GANTARY. AT KANJHAWALA CKT TRIPPED ON D/P,Z-2,RY&B-PH.
27	11-05-15	00:22	220kV BAMNAULI - DIAL CKT-I	11-5-15	10:33	AT BAMNAULI CKT TRIPPED WITHOUT INDICATION. NO TRIPPING AT BAMNAULI.
28	11-05-15	19:25	INDRAPRASTHA POWER 220/33kV 100MVA Tx-II	11-5-15	20:00	33KV I/C-2 OF TX TRIPPED WITHOUT INDICATION.
29	11-05-15	19:25	INDRAPRASTHA POWER 220/33kV 100MVA Tx-I	11-5-15	20:00	TX TRIPPED ON R-PH,O/C.
30	11-05-15	19:26	GEETA COLONY 220/33kV 100MVA Tx-II	11-5-15	19:36	33KV I/C-2 OF TX TRIPPED ON SPS.
31	11-05-15	20:23	220kV BAMNAULI-PAPPANKALAN-II CKT-I	11-5-15	20:43	AT BAMNAULI CKT TRIPPED ON D/P,Z-1,C-PH. NO TRIPPING AT PPK-2.
32	11-05-15	20:23	220kV BAMNAULI-PAPPANKALAN-II CKT-II	12-5-15	15:04	AT BAMNAULI CKT TRIPPED ON D/P,Z-1,A-PH. NO TRIPPING AT PPK-2. R-PH JUMPER SNAPPED AT TOWER NO-4.
33	11-05-15	20:54	220kV PRAGATI - SARITA VIHAR CKT	11-5-15	21:36	AT PRAGATI CKT TRIPPED ON D/P,Z-1,DIST-7.86KM,186. AT SARITA VIHAR CKT TRIPPED ON D/P,Z-1,DIST-1.73KM,186A&B.
34	11-05-15	20:54	220kV SARITA VIHAR - BTPS CKT.-I	11-5-15	21:42	AT SARITA VIHAR CKT TRIPPED ON D/P,Y-PH,186A&B. AT BTPS CKT TRIPPED ON D/P, DIST-4.8KM,Y-PH,E/F.
35	13-05-15	11:30	MUNDKA 220/66kV 160MVA Tx-III	13-5-15	12:20	66KV I/C-3 MADE OFF DUE TO FIRE IN GRASS.

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
36	13-05-15	11:51	220KVBAWANA- ROHINI CKT-II	13-5-15	14:09	AT BAWANA CKT TRIPPED ON B-PH,D/P,A/R. AT ROHINI-2 CKT TRIPPED ON D/P,Z-1,SOTF. NO TRIPPING AT ROHINI.
37	13-05-15	12:03	220kV NARELA - MANDOLA CKT-I	13-5-15	13:53	AT NARELA CKT TRIPPED ON D/P,R-PH,86. AT MANDOLA CKT TRIPPED ON D/P,R-PH,186A&B.
38	13-05-15	12:24	220kV SARITA VIHAR - BTPS CKT.-I	13-5-15	12:44	AT SARITA VIHAR CKT TRIPPED ON Y-PH,A/R LOCK OUT, 186A&B. NO TRIPPING AT BTPS BUT Y-PH E/F RELAY APPEARED ON CKT.
39	13-05-15	12:24	220kV PRAGATI - SARITA VIHAR CKT	13-5-15	13:00	AT SARITA VIHAR CKT TRIPPED ON D/P,Z-1,DIST-1.735KM, AB&C-PH,A/R LOCK OUT,186. AT PRAGATI CKT TRIPPED ON D/P,Z-1,DIST-7.9KM,B-PH.
40	15-05-15	13:31	NARELA 66/33kV, 30MVA Tx	15-5-15	18:52	TX TRIPPED ON E/F.
41	16-05-15	11:20	220kV BAMNAULI - DIAL CKT-I	16-5-15	16:51	AT BANNAULI CKT TRIPPED ON E/F,DIST-11.2 KM. AT DIAL CKT TRIPPED D/P,Z-1,R-PH.
42	16-05-15	11:20	220kV DIAL- MEHRAULI CKT-II	16-5-15	17:05	AT MEHRAULI CKT TRIPPED ON 186. NO TRIPPING AT DIAL.
43	16-05-15	23:38	NAJAFGARH 66/11kV, 20MVA Tx-I	17-5-15	10:15	TX TRIPPED ON 30E BUCHHOLZ,86.
44	18-05-15	11:43	PATPARGANJ 220/66kV 100MVA Tx-II	18-5-15	12:10	TX TRIPPED ON E/F. BIRDAGE OCCURED ON 66KV BUS-2.
45	19-05-15	14:28	220kV BAMNAULI-PAPPANKALAN-I CKT-I	19-5-15	20:45	AT PPK-1 CKT TRIPPED ON D/P,86AB&C. AT BAMNAULI CKT TRIPPED ON D/P,B&C-PH,186A&B. JUMPER OF THE CKT DAMAGED AT TOWER NO-47 AND 48.
46	19-05-15	14:33	220kV SARITA VIHAR - BTPS CKT.-I	19-5-15	14:45	AT SARITA VIHAR CKT TRIPPED ON D/P,Y-PH, 95C, 186A&B, A/R LOCKOUT. NO TRIPPING AT BTPS.
47	19-05-15	14:33	220kV PRAGATI - SARITA VIHAR CKT	19-5-15	19:25	AT PRAGATI CKT TRIPPED ON D/P,Z-1,AB&C-PH,DIST-7.895KM. AT SARITA VIHAR CKT TRIPPED ON D/P,AB&C-PH,DIST-1.738KM,A/R LOCKOUT.
48	19-05-15	15:30	220KV GAZIPUR - MAHARANIBAGH CKT. -I	19-5-15	16:25	AT MAHARANI BAGH CKT TRIPPED ON MAIN-2, B-PH E/F. NO TRIPPING AT GAZIPUR.
49	19-05-15	15:50	220KV GAZIPUR - MAHARANIBAGH CKT. -II	19-5-15	23:20	Y-PH VOLTAGE OF CKT MISSING AT GAZIPUR. CKT MADE OFF AS Y-PH JUMPER SNAPPED AT TOWER NO-9.
50	19-05-15	17:47	220KVBAWANA- ROHINI CKT-II	19-5-15	23:29	AT BAWANA CKT TRIPPED ON DP,Z-1,C-PH,186. NO TRIPPING AT ROHINI. HOWEVER CKT TRIPPED AT ROHINI-2 ON D/P,Z-1 & 2,SOTF.
51	20-05-15	05:48	OKHLA 220/33kV 100MVA Tx-IV	20-5-15	05:53	33KV I/C-4 TRIPPED ON 86LV.
52	21-05-15	06:05	400kV Bamnauli-Jhatikara Ckt-II	21-5-15	07:19	AT BAMNAULI CKT TRIPPED ON 85LO CARRIER LOCK ,186A&B. NO TRIPPING AT OTHER END.
53	21-05-15	12:25	220kV NARELA - MANDOLA CKT-I	21-5-15	15:05	AT MANDOLA CKT TRIPPED ON R-G E/F,Z-3. AT NARELA CKT WAS IN OFF POSITION ON THE ADVISE OF SLDC.
54	21-05-15	14:43	400kV Bawana-Mundka Ckt-I	21-5-15	15:12	AT MUNDKA CKT TRIPPED ON 186,286. NO TRIPPING AT BAWANA.

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
55	21-05-15	14:43	400kV Bawana-Mundka Ckt-II	21-5-15	15:12	AT MUNDKA CKT TRIPPED ON 186,286. NO TRIPPING AT BAWANA.
56	21-05-15	14:43	220KVBAWANA- ROHINI CKT-II	21-5-15	14:56	AT ROHINI-2 CKT TRIPPED ON R-PH POLE DISCREPANCY. NO TRIPPING AT BAWANA.
57	21-05-15	15:17	220kV NARELA - MANDOLA CKT-I	21-5-15	15:56	AT MANDOLA CKT TRIPPED ON R-PH,Z-1. AT NARELA CKT WAS IN OFF POSITION ON THE ADVISE OF SLDC.
58	22-05-15	15:03	220kV MAHARANIBAGH - TRAUMA CENTER CKT-II	22-5-15	15:04	AT M BAGH CKT TRIPPED WITHOUT INDICATION. AT TRAUMA CENTER ALSO CKT TRIPPED WITHOUT INDICATION.
59	22-05-15	15:12	220KV GAZIPUR - MAHARANIBAGH CKT. -II	22-5-15	15:40	AT MAHARANI BAGH CKT. TRIPPED ON DIST. PROT, ZONE-3 AT GAZIPUR NO TRIPPING
60	22-05-15	15:12	220KV GAZIPUR - MAHARANIBAGH CKT. -I	22-5-15	22:30	AT M BAGH CKT TRIPPED ON D/P,Z-1. AT GZP CKT TRIPPED ON D/P,Z-1,Y-PH,E/F. Y-PH JUMPER SNAPPED AT TOWER NO-36
61	22-05-15	17:02	220kV GOPALPUR-MANDOLACKT-II	22-5-15	18:35	AT MANDOLA CKT TRIPPED ON SPS. NO TRIPPING AT MANDOLA. 400/220KV ICT-2 ALSO TRIPPED ON PRV AT MANDOLA.
62	22-05-15	17:02	220kV GOPALPUR-MANDOLACKT-I	22-5-15	18:35	AT MANDOLA CKT TRIPPED ON SPS. NO TRIPPING AT MANDOLA. 400/220KV ICT-2 ALSO TRIPPED ON PRV AT MANDOLA.
63	23-05-15	13:17	BAMNAULI 400/220kV 315MVA ICT-II	23-5-15	14:22	220KV I/C-2 TRIPPED ON BACKUP PROTECTION FUSE FAILURE, 297 FUSE FAILURE.
64	23-05-15	13:34	220kV BAWANA-DSIIDC BAWANA CKT-I	23-5-15	15:08	AT BAWANA CKT TRIPPED ON D/P,A-PH,Z-1,DIST-0.71KM. AT DSIDC CKT TRIPPED ON D/P,A-PH,MAIN-1 & 2.
65	23-05-15	13:37	220kV BAWANA - KANJHAWALA CKT	23-5-15	13:38	AT KANJHAWALA CKT TRIPPED ON GEN-RY&B-PH. NO TRIPPING AT BAWANA.
66	23-05-15	14:45	220kV MEHRAULI - VASANT KUNJ CKT.-I	23-5-15	14:55	AT MEHRAULI CKT TRIPPED ON D/P,AB&C-PH,86. NO TRIPPING AT VASANT KUNJ.
67	23-05-15	19:46	KANJHAWALA 66/11kV, 20MVA Tx-I	23-5-15	19:50	11KV I/C-1 TRIPPED ON HIGH SPEED TRIP RELAY INDICATION.
68	24-05-15	09:40	BAWANA 400/220kV 315MVA ICT-III	24-5-15	10:54	ICT TRIPPED ON 86B1,GROUP1 95A1,95B1,30F. 220KV I/C-3 TRIPPED ON CB AUTO TRIP.
69	24-05-15	11:42	220kV MEHRAULI - BTPS CKT. -II	24-5-15	12:29	AT MEHRAULI CKT TRIPPED OND/P,Z-1,DIST-13.05KM. AT BTPS TRIPPED ON D/P,Z-1,R-PH,DIST-5.8KM.
70	24-05-15	14:42	220kV KANJHAWALA-NAJAFGARH CKT-2	24-5-15	15:32	AT NJF CKT TRIPPED ON D/P,Z-1,DIST-1.890KM. NO TRIPPING AT KANJHAWALA.
71	24-05-15	14:42	220kV BAWANA - KANJHAWALA CKT	24-5-15	15:14	AT BAWANA CKT TRIPPED ON D/P,AUTO TRIP LOCK OUT,86, DIST-15.97KM. NO TRIPPING AT KANJHAWALA. HOWEVER AT KANJHAWALA 220KV BUS COUPLER TRIPPED ON O/C,E/F.
72	24-05-15	14:55	KANJHAWALA 220/66kV 100MVA Tx-II	24-5-15	15:10	66KV I/C-2 TRIPPED ON BACK UP PROTECTION.
73	25-05-15	00:18	GAZIPUR 220/66kV 100MVA Tx-I	25-5-15	11:25	TX MADE OFF FOR MAINTAINING GAS PRESSURE AS GAS PRESSURE OF CB WAS NIL.

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
74	25-05-15	12:00	BAWANA 400/220kV 315MVA ICT-III	25-5-15	17:06	ICT TRIPPED ON MAIN CB AUTO TRIP,GROUP1/2,TRIP RELAY CKT FAULTY,86B1,30H. 220KV I/C-3 TRIPPED ON AUTO TRIP.
75	25-05-15	14:15	220kV NARELA - MANDOLA CKT-II	25-5-15	15:30	AT MANDOLA CKT TRIPPED ON D/P,B-PH,Z-1. AT NARELA CKT WAS IN OFF POSITION ON THE ADVISE OF SLDC.
76	25-05-15	16:12	220kV ROHINI-SHALIMARBAGH CKT-II	25-5-15	16:38	AT SMB CKT TRIPPED ON D/P,B&C-PH,186.AT ROHINI CKT WAS IN OFF POSITION ON THE ADVISE OF SLDC.
77	25-05-15	18:50	NAJAFGARH 66/11kV, 20MVA Tx-I	25-5-15	19:05	TX TRIPPED ON 86.
78	27-05-15	11:30	220kV GOPALPUR-MANDOLACKT-I	27-5-15	11:55	SPS OPERATED AT MANDOLA DUE TO TRIPPING OF 2ND POLE OF HVDC MUNDRA-MAHENDRA GARH CKT.
79	27-05-15	11:30	220kV GOPALPUR-MANDOLACKT-II	27-5-15	11:55	SPS OPERATED AT MANDOLA DUE TO TRIPPING OF 2ND POLE OF HVDC MUNDRA-MAHENDRA GARH CKT.
80	27-05-15	11:55	220kV GOPALPUR-SUBZI MANDI CKT-I	27-5-15	12:20	PROBLEM IN CB AT SUBZI MANDI.
81	27-05-15	22:05	220kV BAMNAULI-PAPPANKALAN-I CKT-I	27-5-15	22:11	AT PPK-1 CKT TRIPPED ON 186 A&B. NO TRIPPING AT BAMNAULI.
82	27-05-15	22:05	220kV BAMNAULI-PAPPANKALAN-I CKT-II	27-5-15	22:11	AT PPK-1 CKT TRIPPED ON 67C. NO TRIPPING AT BAMNAULI.
83	27-05-15	22:11	PAPPANKALAN-I 220/66kV 100MVA Tx-III	27-5-15	22:35	TX TRIPPED ON CB AUTO TRIP,86 A&B.
84	28-05-15	01:38	220kV BAMNAULI-PAPPANKALAN-I CKT-II	28-5-15	01:44	AT PPK-1 CKT TRIPPED ON 186 A&B. NO TRIPPING AT BAMNAULI.
85	28-05-15	01:38	220kV BAMNAULI-PAPPANKALAN-I CKT-I	28-5-15	01:44	AT PPK-1 CKT TRIPPED ON 86 A&B. NO TRIPPING AT BAMNAULI.
86	28-05-15	01:55	220kV BAMNAULI-PAPPANKALAN-I CKT-I	28-5-15	02:32	AT PPK-1 CKT TRIPPED ON 186 A&B. NO TRIPPING AT BAMNAULI.
87	28-05-15	04:35	PARKSTREET 220/66kV 100MVA Tx-II	28-5-15	04:58	TX TRIPPED ON 86A,99TT AND 80DC-1.
88	28-05-15	04:35	PARKSTREET 220/66kV 100MVA Tx-I	28-5-15	05:25	TX TRIPPED ON 86A,99TT AND 80DC-1.
89	28-05-15	04:35	220kV SARITA VIHAR - BTPS CKT.-I	28-5-15	04:55	AT SARITA VIHAR CKT TRIPPED ON Y AND B-PH AUTO RE-CLOSE 186 A&B.
90	28-05-15	04:35	220kV SARITA VIHAR - BTPS CKT.-II	28-5-15	16:20	AT BTPS CKT TRIPPED ON D/P,Z-1,E/F,Y&B-PH. NO TRIPPING AT SARITA VIHAR. SPARKING REPORTED AT TOWER NO-1 OUTSIDE BTPS YARD.
91	28-05-15	07:50	DIAL 220/66kV 160MVA Tx-I	28-5-15	16:50	TX TRIPPED ON DIFFERENTIAL, 86A&B. B-PH CT OF LOCAL TX DAMAGED.
92	28-05-15	16:08	220kV BAMNAULI-PAPPANKALAN-I CKT-I	28-5-15	16:14	AT PPK-1 CKT TRIPPED ON 186 A&B. NO TRIPPING AT BAMNAULI.
93	28-05-15	16:30	220kV BAMNAULI-PAPPANKALAN-I CKT-I	28-5-15	16:32	AT PPK-1 CKT TRIPPED ON 186 A&B. NO TRIPPING AT BAMNAULI.
94	30-05-15	11:59	220kV SARITA VIHAR - BTPS CKT.-II	30-5-15	12:01	AT SARITA VIHAR CKT TRIPPED WITHOUT INDICATION. NO TRIPPING AT BTPS.
95	30-05-15	17:08	220kV GOPALPUR-MANDOLACKT-I	30-5-15	18:32	AT GOPALPUR CKT TRIPPED ON D/P, RY&B-PH, DIST-6.3KM. AT MANDOLA CKT TRIPPED ON D/P, Z-2, DIST-20.95KM.
96	31-05-15	06:15	PAPPANKALAN-I 220/66kV 100MVA Tx-IV	31-5-15	06:38	TX TRIPPED ON DIFFERENTIAL PROTECTION.

20 DETAILS OF UNDER FREQUENCY RELAY OPERATIONS IN DELHI POWER SYSTEM DURING THE MONTH OF MAY 2015

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