DELHI TRANSCO LTD.

STATE LOAD DISPATCH CENTER

PROGRESS REPORT

****

MAY - 2011

1 SALIENT FEATURES OF DELHI POWER SYSTEM

Sr. No.	Features	MAY 2011	MAY 2010
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	73	--
	Total	1513	1440
2	**Maximum Unrestricted Demand (MW)**	**4845**	**4626**
	Date	18.05.2011	24.05.2010
	Time	15.00.00	14:52:39
3	**Peak Demand met (MW)**	**4823**	**4581**
	Date	18.05.2011	24.05.2010
	Time	16.10.34	14:52:39
4	Peak Availability (MW)	4492	4448
5	Shortage (-) / Surplus (+) in MW	(-) 331	(-)133
6	Percentage Shortage (-) / Surplus (+)	(-) 6.9	(-)2.9
7	Maximum Energy Consume in a day (Mus)	95.453	91.478
8	Energy Consumed during the month	**2609.419**	**2531.932**
9	**Load Shedding in Mus**		
A)	Due to Grid Restrictions		
i)	Under Frequency Relay Operations	0.000	0.204
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	0.191	0.562
	BRPL	0.183	0.183
	BYPL	0.104	0.143
	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	**0.478**	**1.092**
B)	Due to Constraints in System in Mus		
	DTL	1.656	4.413
	NDPL	0.475	0.713
	BRPL	0.653	2.824
	BYPL	0.140	0.973
	NDMC	0.000	0.000
	MES	0.000	0.000
	Other Agencies	0.032	1.874
	Total	**2.956**	**10.797**
11	**Grand Total in Mus**	**3.434**	**11.889**

2. PERFORMANCE OF GENERATING STATIONS WITHIN DELHI DURING MAY 2011

A) For the month of May 2011

All Figures in MUs

S. No	Stations	Gross Generation	Aux. Consumption	Net Generation	Availability (%)	Backing Down
1.	**RPH**	90.992	10.604	80.388	91.33	0.000
2.	**GT**	118.350	4.531	113.819	74.76	33.576
3.	**PPCL**	208.868	5.757	203.111	89.69	13.319
4.	**BTPS**	462.917	50.921	411.996	97.24	40.144
5.	**Rithala**	24.982	0.424	24.558	--	--
	TOTAL	**906.109**	**72.237**	**833.872**		

B) For the Year 2011-12 (Upto May 2011)

Power Station	Effective Capacity (MW)	Net Generation in MUs For May 2011	Availability (%) For 2011	PLF (%) For May 2011	Cumulative Generation in MUs upto May 2011 for the year 2010-11	Cumulative Availability in % upto May 2011 for the year 2010-11	Cumulative PLF in % upto May 2011 for the year 2010-11
RPH	135	80.388	91.33	91.33	159.665	91.61	91.61
GT	270	113.819	74.76	57.53	203.528	77.17	52.46
PPCL	330	203.111	89.69	84.10	361.081	83.81	75.46
BTPS	705	411.996	97.24	88.64	806.521	95.25	86.53
Rithala	**73**	24.558	--	--	47.577	--	--
TOTAL	**1513**	**833.872**			**1578.372**		

3 DETAILS OF OUTAGES OF GENERATING STNS. WITHIN DELHI W.E.F. APRIL 2010

(A) RPH STATION

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	67.5	11.05.11	20.11	11.05.11	21.28	Flash in yard
		21.05.11	01.53	21.05.11	05.25	Tripped alongwith tripping of associated transmission lines
		22.05.11	23.00	23.05.11	01.55	Boiler flame failure
		31.05.11	12.35	02.06.11	03.03	Condenser tube leakage
2	67.5	03.04.11	23.45	04.04.11	01.40	Turbine shaft vibration high
		28.04.11	06.38	28.04.11	15.27	To attend hot spot on 33kV Breaker
		21.05.11	01.53	21.05.11	07.32	Tripped alongwith tripping of associated transmission lines
		22.05.11	21.14	22.05.11	22.00	FD fan tripping
		26.05.11	12.10	26.05.11	13.00	Low boiler drum level
		31.05.11	23.15	01.06.11	08.12	Condenser tube leakage

(B) Gas Turbine

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	30	01.04.11	00.00	11.04.11	20.25	Machine stopped as generation available in open cycle mode
		12.04.11	00.02	12.04.11	18.25	
		16.04.11	17.17	17.04.11	10.15	
		17.04.11	17.02	22.04.11	11.10	
		30.04.11	12.20	05.05.11	00.45	Machine stopped as generation available in open cycle mode
		15.05.11	06.15	16.05.11	23.50	Machine stopped as generation available in open cycle mode
		17.05.11	08.37	17.05.11	17.29	Machine stopped as generation available on spot RLNG
		21.05.11	12.13	21.05.11	16.36	Stopped due to low demand and high frequency.
2	30	01.04.11	00.00	11.04.11	21.37	Machine stopped as generation is available in open cycle mode.
		12.04.11	00.02	12.04.11	20.27	
		12.04.11	21.00	21.04.11	12.48	
		24.04.11	23.35	25.04.11	05.20	Machine tripped on False alarm of high vibration trip
		30.04.11	18.15	05.05.11	19.45	Due to swapping of gas to PPCL.
		13.05.11	16.02	13.05.11	18.10	Machine tripped on combustion trouble and high exhaust temp spread.
		15.05.11	06.18	15.05.11	21.35	Stopped due to low demand and high frequency.
		21.05.11	12.13	21.05.11	12.55	Stopped due to low demand and high frequency.
3	30	11.04.11	11.25	11.04.11	20.41	Due to failure of Auxiliary supply.
		12.04.11	00.02	12.04.11	18.35	Machine stopped as generation available on open cycle mode
		12.04.11	21.10	13.04.11	09.40	
		16.04.11	03.50	17.04.11	21.27	
		19.04.11	00.02	19.04.11	05.52	Stopped due to low demand and high frequency.
		20.04.11	00.02	20.04.11	05.52	
		28.04.11	02.05	28.04.11	13.55	Due to swapping of gas to PPCL.
		04.05.11	01.32	04.05.11	11.50	Machine stopped as generation available on spot RLNG
		08.05.11	03.16	08.05.11	22.44	Stopped due to low demand and high frequency.
		09.05.11	21.45	10.05.11	15.37	
		10.05.11	15.37	10.05.11	20.15	Tripped on electrical trouble

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
3	30	10.05.11	20.15	11.05.11	16.20	Machine stopped as generation available on spot RLNG
		12.05.11	00.05	12.05.11	10.11	
		17.05.11	18.15	17.05.11	23.59	
		18.05.11	00.00	31.05.11	23.59	Start command executed but smoke observed from the Diesel Engine and Machine stopped for further inspection.
4	30	11.04.11	11.25	11.04.11	20.00	Due to failure of Auxiliary supply.
		12.04.11	19.45	12.04.11	20.35	Machine came on FSNL
		13.04.11	09.14	14.04.11	00.45	Machine stopped as generation available on open cycle mode
		16.04.11	10.05	17.04.11	12.50	Stopped due to low demand and high frequency.
		21.05.11	04.00	23.05.11	10.37	
		23.05.11	14.25	26.05.11	14.42	Machine stopped as generation available on spot RLNG
		26.05.11	18.24	30.05.11	16.05	
5	30	11.04.11	11.25	11.04.11	12.55	Due to failure of Auxiliary supply.
		11.04.11	14.25	11.04.11	14.55	Due to failure of Auxiliary supply.
		12.04.11	17.42	16.04.11	17.15	Machine stopped as generation available on open cycle mode
		17.04.11	14.32	18.04.11	20.17	Due to low demand and high frequency.
		21.04.11	22.45	30.04.11	17.24	
		03.05.11	04.01	03.05.11	14.40	Machine stopped as generation available on spot RLNG
		04.05.11	01.35	04.05.11	12.40	
		05.05.11	11.05	05.05.11	11.50	
		05.06.11	19.16	05.07.11	19.25	
		07.05.11	21.35	08.05.11	21.45	
		13.05.11	01.05	13.05.11	05.50	Machine stopped as generation available in open cycle mode
		13.05.11	18.30	15.05.11	18.28	Machine stopped as generation available on spot RLNG
		20.05.11	01.17	20.05.11	13.35	
		21.05.11	10.55	23.05.11	19.15	Stopped due to low demand and high frequency.
		31.05.11	00.05	31.05.11	16.13	Machine stopped as generation available in open cycle mode
		31.05.11	23.02	31.05.11	23.59	
6	30	11.04.11	11.25	11.04.11	13.20	Due to failure of Auxiliary supply.
		11.04.11	14.25	11.04.11	20.55	Due to failure of Auxiliary supply.
		12.04.11	00.02	12.04.11	17.40	Machine stopped as generation available on open cycle mode
		12.04.11	18.37	16.04.11	12.20	Stopped due to low demand and high frequency.
		17.04.11	21.56	18.04.11	19.55	
		19.04.11	00.02	19.04.11	05.55	
		20.04.11	00.02	20.04.11	05.42	
		22.04.11	12.18	24.04.11	11.45	Machine stopped as generation available on Spot RLNG
		24.04.11	16.10	26.04.11	21.20	Stopped due to low demand and high frequency.
		27.04.11	00.05	30.04.11	12.12	
		07.05.11	03.40	07.05.11	11.02	
		08.05.11	22.02	09.05.11	21.25	Machine stopped as generation available on spot RLNG
		12.05.11	10.51	12.05.11	15.18	Machine stopped as generation available on spot RLNG
		13.05.11	00.05	13.05.11	18.33	
		21.05.11	18.30	23.05.11	10.55	Due to low demand and high freq.

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG 1	**30**	01.04.11	00.00	16.04.11	00.40	To attend miscellaneous problems
		16.04.11	11.10	17.04.11	14.27	Machine stopped attend leakage.
		17.04.11	17.02	21.04.11	20.58	Due to low demand and high freq.
		23.04.11	06.32	23.04.11	11.10	Machine stopped due to problem in 24 Volt DC supply.
		30.04.11	00.52	30.04.11	02.56	Due to low demand and high freq.
		30.04.11	18.15	05.05.11	05.05	
		05.05.11	23.35	06.05.11	02.28	Machine tripped on low vacuum.
		07.05.11	01.45	07.05.11	03.40	
		10.05.11	13.50	10.05.11	17.40	
		15.05.11	06.20	15.05.11	22.54	To attend various leakages
		21.05.11	09.50	21.05.11	14.05	Turbine tripped on Ch-I &II
		21.05.11	16.22	21.05.11	17.35	Machine tripped on low vacuum.
		30.05.11	09.20	30.05.11	11.05	Machine tripped due to low vacuum
STG2	**30**	11.04.11	10.40	17.04.11	16.20	Tripped on low vacuum
		21.05.11	04.00	23.05.11	11.00	Due to low demand and high freq.
		23.05.11	11.00	25.05.11	12.59	Machine tripped on Rotor earth fault
		24.05.11	13.00	26.05.11	18.20	Machine stopped as generation available on spot RLNG
		26.05.11	18.24	30.05.11	20.25	
STG3	**30**	11.04.11	11.25	17.04.11	16.28	Due to failure of Auxiliary supply.
		17.04.11	20.05	18.04.11	21.55	Due to low demand and high freq.
		22.04.11	12.17	30.04.11	16.16	Machine stopped as generation available on spot RLNG
		01.05.11	14.52	01.05.11	15.40	Machine tripped at Steam Turbine Speed very high.
		07.05.11	03.40	07.05.11	13.58	Due to low demand and high freq.
		12.05.11	09.16	13.05.11	20.35	Machine tripped on Main steam temperature low
		21.05.11	18.30	23.05.11	13.55	Due to low demand and high freq.

(C) PRAGATI STATION

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	**104**	01.04.11	23.28	03.04.11	11.37	Stopped for maintenance work
		03.04.11	20.03	04.04.11	19.09	Rotor earth fault
		04.04.11	14.45	06.04.11	13.35	Due to low demand and high freq..
		06.04.11	21.45	08.04.11	08.01	Stopped for maintenance work
		08.04.11	18.45	08.04.11	24.00	Internal fault
		09.04.11	00.00	10.04.11	15.52	Due to low demand and high freq..
		25.04.11	17.58	25.04.11	23.08	Tripped alongwtih trippings of associated transmission lines.
		21.05.11	01.30	21.05.11	02.56	
		21.05.11	22.10	23.05.11	08.45	Due to low demand and high freq..
2	104	03.04.11	13.50	03.04.11	20.28	Stopped for maintenance work
		06.04.11	13.50	06.04.11	21.35	Stopped for maintenance work
		08.04.11	08.22	08.04.11	19.20	Stopped for maintenance work
		10.04.11	21.27	11.04.11	12.11	Internal fault
		30.04.11	00.52	30.04.11	01.10	Tripped alongwtih trippings of associated transmission lines.
		05.05.11	10.51	07.05.11	05.26	Internal problem
		14.05.11	07.21	14.05.11	19.13	Internal check
STG	**122**	12.04.11	09.00	12.04.11	18.59	High furnace temperature
		25.04.11	17.57	25.04.11	18.56	Tripped alongwtih trippings of associated transmission lines.
		21.05.11	01.32	21.05.11	02.53	

(D) BADARPUR THERMAL POWER STATION

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	95	NIL				
2	95	03.04.11	00.50	20.04.11	21.35	Shut-down for over-hauling
		21.05.11	23.13	23.05.11	20.52	Stopped due to low demand and high frequency.
3	95	17.04.11	17.01	17.04.11	18.58	Tripped along with tripping of associated transmission lines
		30.04.11	18.32	30.04.11	19.32	Due to tripping of generator transformer
		30.04.11	21.52	02.05.11	05.42	Electrical fault
		26.05.11	17.13	30.05.11	10.24	Stopped due to low demand and high frequency.
4	210	17.04.11	17.01	17.04.10	20.26	Tripped along with tripping of associated transmission lines
		04.05.11	07.41	08.05.11	11.18	Control system failure
5	210	NIL				

4 ALLOCATION OF POWER TO DELHI

A) Allocation of power to Delhi from Unallocated quota of Central Sector Generating Stations to Delhi w.e.f.31.03.2011 to 04.05.2011

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	1000	150	100	87	0	0	87
Rihand Stage –II	1000	150	126	109	0	0	109
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
TOTAL	**8782**	**1152**	**2174**	**1902**	**0**	**0**	**1902**
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
URI HEP	480	0	53	50	0	0	50
Sewa HEP	120	18	16	15	0	0	15
Dhauli Ganga HEP	280	42	37	35	0	0	35
Koteshwar HEP	**100**	**0**	**10**	**9**	**0**	**0**	**9**
Dulhasti HEP	390	58	50	48	0	0	48
TOTAL	**3174**	**172**	**361**	**343**	**0**	**0**	**343**
NPC							
Narora APS	440	64	47	41	0	0	41
RAPP(B)	440	66	0	0	0	0	0
RAPP (C)	440	64	56	49	0	0	49
TOTAL	**1320**	**194**	**103**	**89**	**0**	**0**	**89**
Nathpa Jhakri HEP **(SJVNL)**	1500	149	142	123	0	0	123
Tehri Hydro **(THDC)**	1000	99	103	89	0	0	89
Total	**15776**	**1766**	**2882**	**2547**	**0**	**0**	**2547**
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
Mejia TPS Unit-6	250	0	29	25	0	0	25
Kahalgaon-II	1500	0	157	131	0	0	131
Total ER	**6210**	**153**	**290**	**242**	**0**	**0**	**242**
Joint Venture							
Jhajjar TPS	500	38	231	201	0	0	201
Grand Total	**22486**	**1957**	**3403**	**2989**	**0**	**0**	**2989**

B) Allocation of power to Delhi from Unallocated quota of Central Sector Generating Stations to Delhi w.e.f. 05.05.2011

Time block 00.00hrs. to 10.00hrs. & 18.00hrs. to 24.00hrs. @ 0% from Unallocated Quota

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	1000	150	100	87	0	0	87
Rihand Stage -II	1000	150	126	109	0	0	109
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
TOTAL	**8782**	**1152**	**2174**	**1902**	**0**	**0**	**1902**
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
URI HEP	480	0	53	50	0	0	50
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
TOTAL	**3074**	**172**	**351**	**333**	**0**	**0**	**333**
NPC							
Narora APS	440	64	47	41	0	0	41
RAPP(B)	440	66	0	0	0	0	0
RAPP (C)	440	64	56	49	0	0	49
TOTAL	**1320**	**194**	**103**	**89**	**0**	**0**	**89**
SVJNL							
Nathpa Jhakri HEP	1500	149	142	123	0	0	123
THDC							
Tehri Hydro	1000	99	103	89	0	0	89
Total	**15676**	**1766**	**2873**	**2537**	**0**	**0**	**2537**
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
Mejia TPS Unit-6	250	0	29	25	0	0	25
Kahalgaon-II	1500	0	157	131	0	0	131
Total ER	**6210**	**153**	**290**	**242**	**0**	**0**	**242**
Joint Venture							
Jhajjar TPS	500	38	231	201	0	0	201
Grand Total	**22386**	**1957**	**3393**	**2980**	**0**	**0**	**2980**

C) Allocation of power to Delhi from Unallocated quota of Central Sector Generating Stations to Delhi w.e.f. 05.05.2011

Time block 10.00hrs. to 18.00hrs. @ 16% from Unallocated Quota

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	39	34	165
Rihand	1000	150	100	87	20	17	104
Rihand Stage -II	1000	150	126	109	20	17	127
ANTA GPS	419	63	44	41	8	8	49
Auriya GPS	663.36	99	72	67	9	9	76
Dadri GPS	829.78	129	91	85	8	7	92
Dadri NCTPS (Th)	840	0	756	657	0	0	657
Dadri NCTPS (Th) Stage-II	980	147	735	639	19	17	655
Unchahaar-I TPS	420	20	24	21	3	2	23
Unchahaar-II TPS	420	63	47	41	8	7	48
Unchahaar-III TPS	210	31	29	25	4	4	29
TOTAL	**8782**	**1152**	**2174**	**1902**	**138**	**122**	**2023**
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	7	7	45
URI HEP	480	0	53	50	0	0	50
Sewa HEP	120	18	16	15	2	2	17
Dhauli Ganga HEP	280	42	37	35	6	5	40
Koteshwar HEP	100	0	10	9	1	1	11
Dulhasti HEP	390	58	50	48	8	7	55
TOTAL	**3174**	**172**	**361**	**343**	**24**	**23**	**365**
NPC							
Narora APS	440	64	47	41	8	7	48
RAPP(B)	440	66	0	0	0	0	0
RAPP (C)	440	64	56	49	14	12	61
TOTAL	**1320**	**194**	**103**	**89**	**23**	**20**	**109**
SVJNL							
Nathpa Jhakri HEP	1500	149	142	123	20	19	142
THDC							
Tehri Hydro	1000	99	103	89	13	12	102
Total	**15776**	**1766**	**2882**	**2547**	**217**	**195**	**2741**
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
Mejia TPS Unit-6	250	0	29	25	0	0	25
Kahalgaon-II	1500	0	157	131	0	0	131
Total ER	**6210**	**153**	**290**	**242**	**0**	**0**	**242**
Joint Venture							
Jhajjar TPS	500	38	231	201	5	4	205
Grand Total	**22486**	**1957**	**3403**	**2989**	**222**	**199**	**3188**

D) Allocation of power to Delhi from Unallocated quota of Central Sector Generating Stations to Delhi w.e.f. 22.05.2011

Time block 00.00hrs. to 12.00hrs. & 23.00hrs. to 24.00hrs. @ 0% from Unallocated Quota

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	1000	150	100	87	0	0	87
Rihand Stage -II	1000	150	126	109	0	0	109
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
TOTAL	**8782**	**1152**	**2174**	**1902**	**0**	**0**	**1902**
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
URI HEP	480	0	53	50	0	0	50
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
TOTAL	**3074**	**172**	**351**	**333**	**0**	**0**	**333**
NPC							
Narora APS	440	64	47	41	0	0	41
RAPP(B)	440	66	0	0	0	0	0
RAPP (C)	440	64	56	49	0	0	49
TOTAL	**1320**	**194**	**103**	**89**	**0**	**0**	**89**
SVJNL							
Nathpa Jhakri HEP	1500	149	142	123	0	0	123
THDC							
Tehri Hydro	1000	99	103	89	0	0	89
Total	**15676**	**1766**	**2873**	**2537**	**0**	**0**	**2537**
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
Mejia TPS Unit-6	250	0	29	25	0	0	25
Kahalgaon-II	1500	0	157	131	0	0	131
Total ER	**6210**	**153**	**290**	**242**	**0**	**0**	**242**
Joint Venture							
Jhajjar TPS	500	38	231	201	0	0	201
Grand Total	**22386**	**1957**	**3393**	**2980**	**0**	**0**	**2980**

E) Allocation of power to Delhi from Unallocated quota of Central Sector Generating Stations to Delhi w.e.f. 22.05.2011

Time block 12.00hrs. to 23.00hrs. @ 16% from Unallocated Quota

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	39	34	165
Rihand	1000	150	100	87	20	17	104
Rihand Stage -II	1000	150	126	109	20	17	127
ANTA GPS	419	63	44	41	8	8	49
Auriya GPS	663.36	99	72	67	9	9	76
Dadri GPS	829.78	129	91	85	8	7	92
Dadri NCTPS (Th)	840	0	756	657	0	0	657
Dadri NCTPS (Th) Stage-II	980	147	735	639	19	17	655
Unchahaar-I TPS	420	20	24	21	3	2	23
Unchahaar-II TPS	420	63	47	41	8	7	48
Unchahaar-III TPS	210	31	29	25	4	4	29
TOTAL	**8782**	**1152**	**2174**	**1902**	**138**	**122**	**2023**
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	7	7	45
URI HEP	480	0	53	50	0	0	50
Sewa HEP	120	18	16	15	2	2	17
Dhauli Ganga HEP	280	42	37	35	6	5	40
Koteshwar HEP	100	0	10	9	1	1	11
Dulhasti HEP	390	58	50	48	8	7	55
TOTAL	**3174**	**172**	**361**	**343**	**24**	**23**	**365**
NPC							
Narora APS	440	64	47	41	8	7	48
RAPP(B)	440	66	0	0	0	0	0
RAPP (C)	440	64	56	49	14	12	61
TOTAL	**1320**	**194**	**103**	**89**	**23**	**20**	**109**
SVJNL							
Nathpa Jhakri HEP	1500	149	142	123	20	19	142
THDC							
Tehri Hydro	1000	99	103	89	13	12	102
Total	**15776**	**1766**	**2882**	**2547**	**217**	**195**	**2741**
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
Mejia TPS Unit-6	250	0	29	25	0	0	25
Kahalgaon-II	1500	0	157	131	0	0	131
Total ER	**6210**	**153**	**290**	**242**	**0**	**0**	**242**
Joint Venture							
Jhajjar TPS	500	38	231	201	5	4	205
Grand Total	**22486**	**1957**	**3403**	**2989**	**222**	**199**	**3188**

5 ALLOCATION OF POWER TO DISCOMS

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. 01.04.2011.

(Allocation In %)

(A) 10.00hrs. to 17.00hrs.

SOURCES	LICENSEES					
	NDMC	MES	NDPL	BRPL	BYPL	TOTAL
1. Central Sector without Dadri (Th)	0.00	0.00	29.18	43.58	27.24	100.00
2. Dadri (Th)	14.98	0.00	24.18	36.87	23.97	100.00
3. BTPS	15.94	7.09	21.88	33.37	21.72	100.00
4. RPH	0.85	0.00	28.39	42.97	27.79	100.00
5. GT	0.93	0.00	28.28	42.99	27.80	100.00
6. Pragati	26.69	0.00	20.77	31.76	20.7	100.00
7. DVC	0.00	0.00	29.18	43.58	27.24	100.00

(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)	0.00	0.00	29.18	43.58	27.24	100.00
2. Dadri (Th)	14.05	0.00	24.18	3687	24.90	100.00
3. BTPS	15.07	7.09	21.88	33.37	22.59	100.00
4. RPH	0.00	0.00	28.390	42.97	28.64	100.00
5. GT	0.00	0.00	28.28	42.99	28.73	100.00
6. Pragati	25.76	0.00	20.77	31.76	21.71	100.00
7. DVC	0.00	0.00	29.18	43.58	27.24	100.00

6 POWER AVAILABILITY-DEMAND POSITION AT THE TIME OF PEAK DEMAND MET DURING MAY 2011

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	BTPS	Rithala	Total						
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)= (3) to (7)	(9)	(10)	(11)= (10) -(9)	(12)= (10)+ (11)	(13)	(14)= (12)+ (13)
1	23:00:39	114	145	293	515	28	1095	2768	2928	160	**3863**	0	3863
2	15:44:06	114	134	280	576	27	1131	3061	3133	72	**4192**	2	4194
3	15:10:26	110	123	279	595	25	1132	3178	3052	-126	**4310**	2	4312
4	15:25:41	110	134	282	432	26	984	3268	3047	-221	**4252**	0	4252
5	15:43:23	113	175	133	421	26	868	3457	3342	-115	**4325**	0	4325
6	15:38:46	114	214	140	411	26	905	3448	3568	120	**4353**	0	4353
7	15:40	114	181	289	364	28	976	2819	3211	392	**3795**	0	3795
8	22:54:26	112	170	297	556	28	1163	2700	2793	93	**3863**	0	3863
9	15:14:22	110	163	278	592	33	1176	3047	3073	26	**4223**	0	4223
10	15:48:36	113	151	279	599	30	1172	3251	3341	90	**4423**	0	4423
11	15:07:38	109	170	277	579	28	1163	3346	3458	112	**4509**	0	4509
12	15:06:51	111	156	273	602	33	1175	3393	3379	-14	**4568**	34	4602
13	15:28:27	107	169	284	621	24	1205	3358	3449	91	**4563**	0	4563
14	15:21:00	111	172	132	617	35	1067	3174	3378	204	**4241**	0	4241
15	23:19:27	113	175	292	570	40	1190	2936	3355	419	**4126**	40	4166
16	15:40:36	110	168	280	625	34	1217	3309	3263	-46	**4526**	0	4526
17	22:38:18	110	175	285	626	25	1221	3221	2990	-231	**4442**	0	4442
18	16:10:34	112	168	275	621	21	1197	3626	3295	-331	**4823**	18	4841
19	16:20:03	111	168	280	582	21	1162	3623	3468	-155	**4785**	6	4791
20	16:05:39	110	170	281	623	24	1208	3554	3636	82	**4762**	8	4770
21	0:00:08	113	182	294	544	24	1157	3178	3214	36	**4335**	0	4335
22	0:00:09	112	75	150	480	25	842	2223	2261	38	**3065**	0	3065
23	15:02:05	106	106	289	532	26	1059	2604	3326	722	**3663**	0	3663
24	22:56:18	115	139	292	627	50	1223	2984	3310	326	**4207**	0	4207
25	15:43:55	111	130	276	623	24	1164	3438	3439	1	**4602**	0	4602
26	14:04:33	114	138	280	625	42	1199	3235	3362	127	**4434**	0	4434
27	15:22:00	111	146	292	523	43	1115	2969	3144	175	**4084**	0	4084
28	15:44:35	113	142	286	532	43	1116	2950	3337	387	**4066**	135	4201
29	20:43:23	110	145	265	434	44	998	2945	3063	118	**3943**	0	3943
30	16:03:23	113	140	286	597	0	1136	3398	3423	25	**4534**	5	4539
31	16:19:11	59	158	279	590	44	1130	3574	3475	-99	**4704**	3	4707

7 POWER AVAILABILITY- DEMAND POSITION AT THE TIME OF MAXIMUM UNRESTRICTED DEMAND DURING MAY 2011

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
		IP	RPH	GT	PPCL	BTPS	Total						
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)=(3) to (7)	(9)	(10)	(11)= (10) -(9)	(12)=(10) + (11)	(13)	(14)= (12)+ (13)
1	23:00:39	114	145	293	515	28	1095	2768	2928	160	**3863**	0	3863
2	15:44:06	114	134	280	576	27	1131	3061	3133	72	**4192**	2	4194
3	15:10:26	110	123	279	595	25	1132	3178	3052	-126	**4310**	2	4312
4	15:25:41	110	134	282	432	26	984	3268	3047	-221	**4252**	0	4252
5	15:43:23	113	175	133	421	26	868	3457	3342	-115	**4325**	0	4325
6	15:38:46	114	214	140	411	26	905	3448	3568	120	**4353**	0	4353
7	15:40	114	181	289	364	28	976	2819	3211	392	**3795**	0	3795
8	22:54:26	112	170	297	556	28	1163	2700	2793	93	**3863**	0	3863
9	15:14:22	110	163	278	592	33	1176	3047	3073	26	**4223**	0	4223
10	15:48:36	113	151	279	599	30	1172	3251	3341	90	**4423**	0	4423
11	15:07:38	109	170	277	579	28	1163	3346	3458	112	**4509**	0	4509
12	15:06:51	111	156	273	602	33	1175	3393	3379	-14	**4568**	34	4602
13	15:28:27	107	169	284	621	24	1205	3358	3449	91	**4563**	0	4563
14	15:21:00	111	172	132	617	35	1067	3174	3378	204	**4241**	0	4241
15	23:19:27	113	175	292	570	40	1190	2936	3355	419	**4126**	40	4166
16	15:40:36	110	168	280	625	34	1217	3309	3263	-46	**4526**	0	4526
17	22:38:18	110	175	285	626	25	1221	3221	2990	-231	**4442**	0	4442
18	15.00.00	113	162	272	627	21	1196	3454	3325	-129	**4650**	195	4845
19	16:20:03	111	168	280	582	21	1162	3623	3468	-155	**4785**	6	4791
20	16:05:39	110	170	281	623	24	1208	3554	3636	82	**4762**	8	4770
21	0:00:08	113	182	294	544	24	1157	3178	3214	36	**4335**	0	4335
22	0:00:09	112	75	150	480	25	842	2223	2261	38	**3065**	0	3065
23	15:02:05	106	106	289	532	26	1059	2604	3326	722	**3663**	0	3663
24	22:56:18	115	139	292	627	50	1223	2984	3310	326	**4207**	0	4207
25	15:43:55	111	130	276	623	24	1164	3438	3439	1	**4602**	0	4602
26	14:04:33	114	138	280	625	42	1199	3235	3362	127	**4434**	0	4434
27	15:22:00	111	146	292	523	43	1115	2969	3144	175	**4084**	0	4084
28	15:44:35	113	142	286	532	43	1116	2950	3337	387	**4066**	135	4201
29	20:43:23	110	145	265	434	44	998	2945	3063	118	**3943**	0	3943
30	16:03:23	113	140	286	597	0	1136	3398	3423	25	**4534**	5	4539
31	16:19:11	59	158	279	590	44	1130	3574	3475	-99	**4704**	3	4707

8 SOURCEWISE SCHEDULED DRAWL FROM NORTHERN GRID AS WELL AS AVAILABILITY WITHIN DELHI FOR MAY 2011

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

A (i) RPH	90.992
JHAJJAR SHARE	0.660
NET RPH	90.332
(ii) GT+STG	118.350
(iii) PRAGATI	208.868
(iv) RITHALA	24.982
TOTAL	442.532
B) AVAILABILITY FROM BTPS	410.363
C) AUXILIARY CONSUMPTION OF GENERATING STNs. EXCLUDING BTPS	21.316
D) NET GENERATION AVAILABLE WITHIN DELHI(A+B-C)	**831.579**

B) SOURCE WISE SCHEDULED DRAWL FROM THE NORTHERN GRID

NAME OF THE STATION	AVAILABILITY AT POWER PLANT	AVAILABILITY AT DELHI PERIPHERY	ALLOCATION MADE BY NRLDC AT POWER PLANT	ALLOCATION MADE BY NRLDC AT DELHI PERIPHERY
B/SUIL	12.932	12.599	12.932	12.599
SALAL	49.923	48.627	49.923	48.627
TANKAPUR	5.189	5.054	5.189	5.054
CHAMERA	30.335	29.549	30.335	29.549
CHAMERA -II	31.506	30.690	31.506	30.690
DHAULIGANGA	17.549	17.092	17.549	17.092
SEWA -2	12.056	11.744	12.056	11.744
URI	39.531	38.508	39.531	38.508
KOTESHWAR	0.000	0.000	0.000	0.000
ANTA (GAS)	20.964	20.419	16.430	16.006
ANTA (RLNG)	8.284	8.070	1.807	1.761
ANTA (LIQUID)	1.580	1.540	0.000	0.000
DADRI (GAS)	50.003	48.710	40.540	39.498
DADRI (RLNG)	12.918	12.580	2.157	2.102
DADRI (LIQUID)	0.000	0.000	0.000	0.000
AURAIYA (GAS)	33.123	32.268	26.312	25.636
AURAIYA (RLNG)	11.579	11.280	2.422	2.361
AURAIYA (LIQUID)	5.885	5.729	0.017	0.016
SINGRAULI	98.710	96.141	97.542	95.003
RIHAND -I	75.494	73.538	74.787	72.848
RIHAND -II	93.838	91.406	92.862	90.454
UNCHAHAR-I	13.761	13.401	12.954	12.615
UNCHAHAR-II	28.574	27.847	27.906	27.196
UNCHAHAR-III	21.720	21.158	21.248	20.698
DADRI (TH)	506.033	492.907	479.855	467.420
DADRI (TH) STAGE-II	536.218	522.334	510.458	497.249
NAPP	10.637	10.356	10.637	10.356
RAPP 'B'	0.000	0.000	0.000	0.000
RAPP 'C'	25.006	24.349	25.006	24.349
NATHPA JHAKRI	110.580	107.710	110.580	107.710
DULASTI	37.377	36.410	37.377	36.410
TEHRI	41.343	40.273	41.278	40.210
JHAJJAR	16.391	15.981	16.391	15.981
KHELGAON	30.364	29.578	28.235	27.509
KHELGAON-II	67.840	66.097	63.634	62.007
FARAKA	11.786	11.480	10.858	10.578
TALA	5.185	5.049	5.185	5.049
TALCHER	0.000	0.000	0.000	0.000
DVC	66.765	64.902	62.537	60.924
CHATTISHGARH	29.144	28.023	26.596	25.907
ANDHRA	1.083	1.031	0.983	0.959
DVC TATA STEEL (NDPL)	18.054	17.549	16.909	16.467

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
ORISSA	159.575	155.125	148.618	144.768
JAMMU & KASHMIR	74.400	72.474	74.400	72.474
HIMACHAL PRADESH	13.276	12.911	13.276	12.911
WEST BENGAL	62.108	60.376	58.354	56.851
URS	0.050	0.049	0.050	0.049
UTTRANCHAL	16.800	16.326	16.800	16.326
TO TAMILNADU(ER-SR)	0.000	0.000	0.000	0.000
TO TAMILNADU(WR-SR)	0.000	0.000	0.000	0.000
TO KERALA(ER-SR)	-0.675	-0.692	-0.692	-0.710
TO KERALA(WR-SR)	-0.079	-0.082	-0.082	-0.084
TO ANDHRA(ER)	0.000	0.000	0.000	0.000
TO MADHYA PRADESH	0.000	0.000	0.000	0.000
TO MEGHALAYA	-6.036	-6.246	-6.246	-6.412
TO WEST BENGAL	0.000	0.000	0.000	0.000
TO RAJASTHAN	0.000	0.000	0.000	0.000
TO HARYANA	-8.557	-8.787	-8.557	-8.787
POWER EXCHANGE(IEX)	3.927	3.828	3.927	3.828
TO POWER EXCHANGE (IEX)	-156.829	-160.983	-156.829	-160.983
POWRER EXCHANGE(PX)	0.000	0.000	0.000	0.000
TO POWER EXCHANGE (PX)	-0.055	-0.056	-0.055	-0.056
TOTAL	**2347.162**	**2276.221**	**2205.489**	**2139.317**

C) AGENCY WISE BREAKUP OF ENERGY SCHEDULED DRAWL FROM THE GRID

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
NTPC - NR	1518.683	1479.326	1407.297	1370.863
NTPC - ER	109.989	107.155	102.727	100.093
NHPC	236.399	230.274	236.399	230.274
NPC	35.643	34.705	35.643	34.705
NATHPA JHAKRI	110.580	107.710	110.580	107.710
TEHRI	41.343	40.273	41.278	40.210
TALA	5.185	5.049	5.185	5.049
JHAJJAR	16.391	15.981	16.391	15.981
TALCHER	0.000	0.000	0.000	0.000
DVC	66.765	64.902	62.537	60.924
CHATTISHGARH	29.144	28.023	26.596	25.907
ANDHRA	1.083	1.031	0.983	0.959
DVC TATA STEEL (NDPL)	18.054	17.549	16.909	16.467
ORISSA	159.575	155.125	148.618	144.768
JAMMU & KASHMIR	74.400	72.474	74.400	72.474
HIMACHAL PRADESH	13.276	12.911	13.276	12.911
WEST BENGAL	62.108	60.376	58.354	56.851
URS	0.050	0.049	0.050	0.049
UTTRANCHAL	16.800	16.326	16.800	16.326
POWER EXCHANGE(IEX)	3.927	3.828	3.927	3.828
POWER EXCHANGE(PX)	0.000	0.000	0.000	0.000
TOTAL	**2519.393**	**2453.067**	**2377.950**	**2316.349**

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 TAMILNADU(ER-SR)	0.000	0.000	0.000	0.000
TO TAMILNADU(WR-SR)	0.000	0.000	0.000	0.000
TO KERALA(ER-SR)	-0.675	-0.692	-0.692	-0.710
TO KERALA(WR-SR)	-0.079	-0.082	-0.082	-0.084
TO ANDHRA(ER)	0.000	0.000	0.000	0.000
TO MADHYA PRADESH	0.000	0.000	0.000	0.000
TO MEGHALAYA	-6.036	-6.246	-6.246	-6.412
TO WEST BENGAL	0.000	0.000	0.000	0.000
TO RAJASTHAN	0.000	0.000	0.000	0.000
TO HARYANA	-8.557	-8.787	-8.557	-8.787
TO POWER EXCHANGE (IEX)	-156.829	-160.983	-156.829	-160.983
TO POWER EXCHANGE (PX)	-0.055	-0.056	-0.055	-0.056
TOTAL	**-172.231**	**-176.846**	**-172.461**	**-177.032**
TOTAL SCHEDULED DRAWAL FROM THE GRID	**2347.162**	**2276.221**	**2205.489**	**2139.317**
TOTAL CONSUMPTION INCLUDING AUX. OF GENERATING STNs. EXCLUDING BTPS				2630.735
NET CONSUMPTION				2609.419
AVAILABILITY WITHIN DELHI				831.579
ACTUAL DRAWAL FROM THE GRID				1777.840
OVER DRAWAL(+)/UNDER DRAWAL(-) FROM THE GRID ON THE BASIS OF SCHEDULED ALLOCATION MADE BY NRLDC TO DELHI AT PERIPHERY				-361.477
LOAD SHEDDING				**3.434**
UNRESTRICTED DEMAND (GROSS)				**2634.169**
UNRESTRICTED DEMAND (NET)				**2612.853**
MAX. NET CONSUMPTION				95.453Mus. ON 18.05.2011
MAX. LOAD SHEDDING				293W ON 16.05.2011 AT 17.40HRS.
PEAK LOAD DAY PEAK EVENING PEAK	Peak Demand during the month 4823MW AT 16.10.34HRS ON 18.05.2011 4490MW AT 23.00.00HRS ON 19.05.2011			SHEDDING AT PEAK TIME 18MW NIL
P.L.F. OF GENCO AND PRAGATI STNs.	RPH GT PRAGATI RITHALA			90.59% 58.92% 85.07% 45.38%

9 SHEDDING DETAILS DURING THE MONTH OF MAY 2011.

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
		BYPL	BRPL				BYPL	BRPL		
1	**2**	**3**	**4**	**5**	**6**	**7=3 to 6**	8	9	10	11
1-May -11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
2-May -11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
3-May -11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
4-May -11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
5-May -11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
6-May -11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
7-May -11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
8-May -11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
9-May -11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
10-May -11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
11-May -11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
12-May -11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
13-May -11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
14-May -11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
15-May -11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
16-May -11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.053	0.000
17-May -11	0	0.000	0.000	0.000	0.000	**0.000**	0.008	0.017	0.098	0.000
18-May -11	0	0.000	0.000	0.000	0.000	**0.000**	0.096	0.166	0.040	0.000
19-May -11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
20-May -11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
21-May -11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
22-May -11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
23-May -11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
24-May -11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
25-May -11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
26-May -11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
27-May -11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
28-May -11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
29-May -11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
30-May -11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
31-May -11	0	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**	**0.104**	**0.183**	**0.191**	**0.000**

ALL FIGURES IN MUs

Date	Shedding due to Transmission/Grid Constraints in Central Sector Stations / TTC / ATC VOILATION				TOTAL	TOTAL SHEDDING DUE TO GRID RESTRICTIONS	Due to T&D Constraints				
							DTL				
	BSES		NDPL	NDMC			BSES		NDPL	NDMC	MES
	BYPL	BRPL					BYPL	BRPL			
1	12	13	14	15	**16=8to15**	**17=16+7**	18	19	20	21	22
1-May -11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000
2-May -11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000
3-May -11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000
4-May -11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000
5-May -11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000
6-May -11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000
7-May -11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000
8-May -11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000
9-May -11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000
10-May -11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000
11-May -11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.006
12-May -11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.073
13-May -11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.002
14-May -11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.031
15-May -11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.020
16-May -11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.053**	**0.053**	0.000
17-May -11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.123**	**0.123**	0.000
18-May -11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.302**	**0.302**	0.007
19-May -11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000
20-May -11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000
21-May -11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.040
22-May -11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000
23-May -11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.002
24-May -11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000
25-May -11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000
26-May -11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000
27-May -11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000
28-May -11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000
29-May -11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.001
30-May -11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000
31-May -11	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**	**0.478**	**0.478**	**0.182**

ALL FIGURES IN MUs

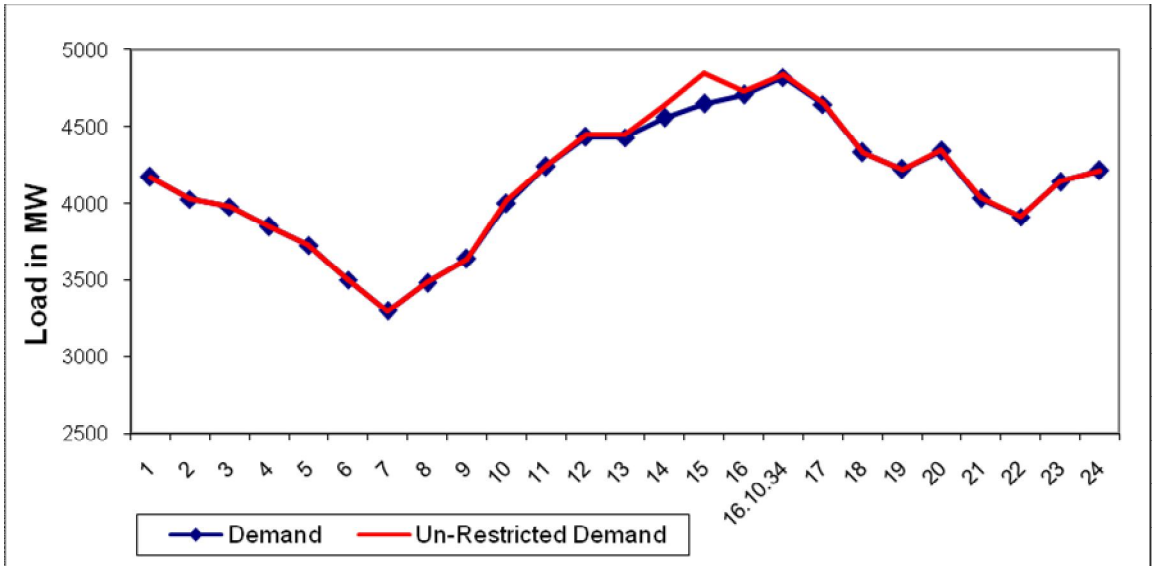
DATE	DUE TO T&D CONTRAINTS				OTHER AGENCIES LIKE GENCO, BBMB, BTPS ETC.	THEFT PRONE SHEDDING			TOTAL SHEDDING DUE TO T&D CONSTS. & THEFT PRONE	GRAND TOTAL
	DISCOMS									
	BSES		NDPL	NDMC		BSES		NDPL		
	BYPL	BRPL				BYPL	BRPL			
1	23	24	25		26	27	28	29	30=18 to29	31=30+17
1-May -11	0.002	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.002**	**0.002**
2-May -11	0.000	0.087	0.000	0.000	0.000	0.000	0.000	0.000	**0.087**	**0.087**
3-May -11	0.000	0.050	0.016	0.000	0.000	0.000	0.000	0.000	**0.074**	**0.074**
4-May -11	0.000	0.032	0.007	0.000	0.000	0.000	0.000	0.000	**0.039**	**0.039**
5-May -11	0.000	0.000	0.004	0.000	0.000	0.000	0.000	0.000	**0.069**	**0.069**
6-May -11	0.007	0.000	0.072	0.000	0.000	0.000	0.000	0.000	**0.085**	**0.085**
7-May -11	0.000	0.025	0.000	0.000	0.000	0.000	0.000	0.000	**0.025**	**0.025**
8-May -11	0.006	0.019	0.002	0.000	0.000	0.000	0.000	0.000	**0.027**	**0.027**
9-May -11	0.000	0.000	0.067	0.000	0.032	0.000	0.000	0.000	**0.099**	**0.099**
10-May -11	0.000	0.000	0.002	0.000	0.000	0.000	0.000	0.000	**0.003**	**0.003**
11-May -11	0.000	0.031	0.013	0.000	0.000	0.000	0.000	0.000	**0.087**	**0.087**
12-May -11	0.035	0.024	0.003	0.000	0.000	0.000	0.000	0.000	**0.750**	**0.750**
13-May -11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.263**	**0.263**
14-May -11	0.023	0.000	0.003	0.000	0.000	0.000	0.000	0.000	**0.057**	**0.057**
15-May -11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.352**	**0.352**
16-May -11	0.000	0.062	0.000	0.000	0.000	0.000	0.000	0.000	**0.136**	**0.189**
17-May -11	0.007	0.033	0.001	0.000	0.000	0.000	0.000	0.000	**0.041**	**0.164**
18-May -11	0.008	0.064	0.015	0.000	0.000	0.000	0.000	0.000	**0.094**	**0.396**
19-May -11	0.000	0.032	0.017	0.000	0.000	0.000	0.000	0.000	**0.050**	**0.050**
20-May -11	0.000	0.007	0.005	0.000	0.000	0.000	0.000	0.000	**0.015**	**0.015**
21-May -11	0.000	0.021	0.043	0.000	0.000	0.000	0.000	0.000	**0.104**	**0.104**
22-May -11	0.005	0.012	0.005	0.000	0.000	0.000	0.000	0.000	**0.025**	**0.025**
23-May -11	0.000	0.000	0.006	0.000	0.000	0.000	0.000	0.000	**0.013**	**0.013**
24-May -11	0.000	0.000	0.003	0.000	0.000	0.000	0.000	0.000	**0.003**	**0.003**
25-May -11	0.004	0.000	0.006	0.000	0.000	0.000	0.000	0.000	**0.010**	**0.010**
26-May -11	0.000	0.000	0.009	0.000	0.000	0.000	0.000	0.000	**0.009**	**0.009**
27-May -11	0.010	0.000	0.001	0.000	0.000	0.000	0.000	0.000	**0.053**	**0.053**
28-May -11	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.000	**0.014**	**0.014**
29-May -11	0.000	0.118	0.131	0.000	0.000	0.000	0.000	0.000	**0.258**	**0.258**
30-May -11	0.030	0.033	0.022	0.000	0.000	0.000	0.000	0.000	**0.085**	**0.085**
31-May -11	0.003	0.003	0.021	0.000	0.000	0.000	0.000	0.000	**0.027**	**0.027**
Total	**0.140**	**0.653**	**0.475**	**0.000**	**0.032**	**0.000**	**0.000**	**0.000**	**2.956**	**3.434**

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
1-May -11	76.663	**3863**	23:00:39	0	**3863**	**3863**	23:00:39	**3863**	0
2-May -11	82.868	**4192**	15:44:06	2	**4194**	**4194**	15:44:06	**4192**	2
3-May -11	84.312	**4310**	15:10:26	2	**4312**	**4312**	15:10:26	**4310**	2
4-May -11	84.349	**4252**	15:25:41	0	**4252**	**4252**	15:25:41	**4252**	0
5-May -11	85.530	**4325**	15:43:23	0	**4325**	**4325**	15:43:23	**4325**	0
6-May -11	81.190	**4353**	15:38:46	0	**4353**	**4353**	15:38:46	**4353**	0
7-May -11	77.521	**3795**	15:40	0	**3795**	**3795**	15:40	**3795**	0
8-May -11	75.300	**3863**	22:54:26	0	**3863**	**3863**	22:54:26	**3863**	0
9-May -11	83.242	**4223**	15:14:22	0	**4223**	**4223**	15:14:22	**4223**	0
10-May -11	86.538	**4423**	15:48:36	0	**4423**	**4423**	15:48:36	**4423**	0
11-May -11	89.286	**4509**	15:07:38	0	**4509**	**4509**	15:07:38	**4509**	0
12-May -11	90.683	**4568**	15:06:51	34	**4602**	**4602**	15:06:51	**4568**	34
13-May -11	90.285	**4563**	15:28:27	0	**4563**	**4563**	15:58:27	**4563**	0
14-May -11	86.935	**4241**	15:21:00	0	**4241**	**4241**	15:21:00	**4241**	0
15-May -11	81.731	**4126**	23:19:27	40	**4166**	**4166**	23:19:27	**4126**	40
16-May -11	89.940	**4526**	15:40:36	0	**4526**	**4526**	15:40:36	**4526**	0
17-May -11	90.582	**4442**	22:38:18	0	**4442**	**4442**	22:38:18	**4442**	0
18-May -11	95.453	**4823**	16:10:34	18	**4841**	**4845**	15:00:00	**4650**	195
19-May -11	94.739	**4785**	16:20:03	6	**4791**	**4791**	16:20:03	**4785**	6
20-May -11	92.216	**4762**	16:05:39	8	**4770**	**4770**	16:05:39	**4762**	8
21-May -11	74.006	**4335**	0:00:08	0	**4335**	**4335**	0:00:08	**4335**	0
22-May -11	59.696	**3065**	0:00:09	0	**3065**	**3065**	0:00:09	**3065**	0
23-May -11	70.223	**3663**	15:02:05	0	**3663**	**3663**	15:02:05	**3663**	0
24-May -11	81.024	**4207**	22:56:18	0	**4207**	**4207**	22:56:18	**4207**	0
25-May -11	90.192	**4602**	15:43:55	0	**4602**	**4602**	15:43:55	**4602**	0
26-May -11	86.638	**4434**	14:04:33	0	**4434**	**4434**	14:04:33	**4434**	0
27-May -11	82.634	**4084**	15:22:00	0	**4084**	**4084**	15:22:00	**4084**	0
28-May -11	83.506	**4066**	15:44:35	135	**4201**	**4201**	15:44:35	**4066**	135
29-May -11	82.400	**3943**	20:43:23	0	**3943**	**3943**	20:43:23	**3943**	0
30-May -11	87.472	**4534**	16:03:23	5	**4539**	**4539**	16:03:23	**4534**	5
31-May -11	92.265	**4704**	16:19:11	3	**4707**	**4707**	16:19:11	**4704**	3
Total	**2609.419**	**4823**	**16:10:34**	18	**4841**	**4845**	**15:00**		
		29.04.11				**29.04.11**			

10 LOAD PATTERN OF DELHI ON THE DAY OF PEAK DEMAND MET DURING MAY 2011 ON 18.05.2011– 4823MW at 16.10.34HRS.

All figures in MW

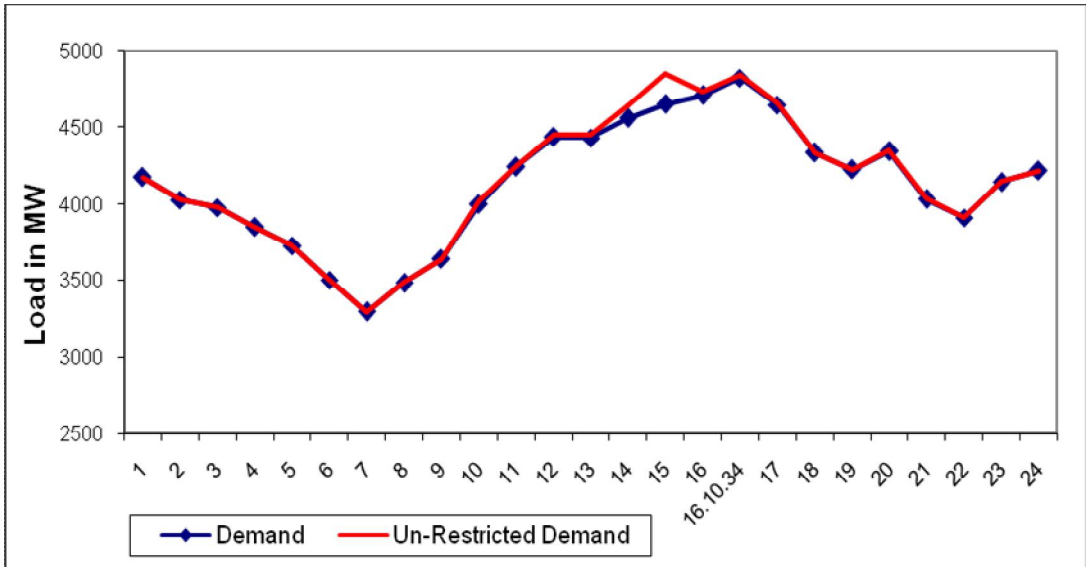
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	4173	0	4173
2.00	4027	1	4028
3.00	3977	0	3977
4.00	3848	2	3850
5.00	3729	4	3733
6.00	3501	0	3501
7.00	3298	0	3298
8.00	3483	0	3483
9.00	3638	0	3638
10.00	4000	23	4023
11.00	4243	0	4243
12.00	4435	10	4445
13.00	4428	16	4444
14.00	4557	86	4643
15.00	4650	195	4845
16.00	4710	19	4729
16.10.34	4823	18	4841
17.00	4645	11	4656
18.00	4333	0	4333
19.00	4226	0	4226
20.00	4342	4	4346
21.00	4030	5	4035
22.00	3910	0	3910
23.00	4143	0	4143
24.00	4215	0	4215
ENERGY IN Mus	**95.453**	**0.396**	**95.849**



11 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UN-RESTRICTED DEMAND DURING MAY 2011 – 18.05.2011– 4845MW at 15.00HRS.

All figures in MW

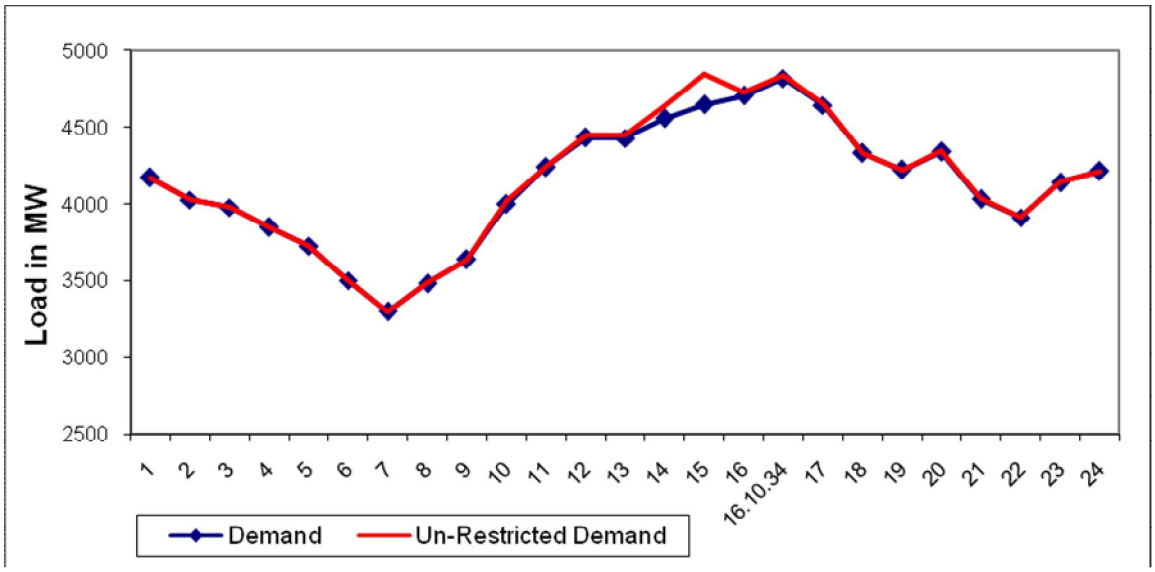
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	4173	0	4173
2.00	4027	1	4028
3.00	3977	0	3977
4.00	3848	2	3850
5.00	3729	4	3733
6.00	3501	0	3501
7.00	3298	0	3298
8.00	3483	0	3483
9.00	3638	0	3638
10.00	4000	23	4023
11.00	4243	0	4243
12.00	4435	10	4445
13.00	4428	16	4444
14.00	4557	86	4643
15.00	4650	195	4845
16.00	4710	19	4729
16.10.34	4823	18	4841
17.00	4645	11	4656
18.00	4333	0	4333
19.00	4226	0	4226
20.00	4342	4	4346
21.00	4030	5	4035
22.00	3910	0	3910
23.00	4143	0	4143
24.00	4215	0	4215
ENERGY IN Mus	**95.453**	**0.396**	**95.849**



12 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM ENERGY CONSUMED DURING MAY 2011 – 18.05.2011 – 95.453 Mus

All figures in MW

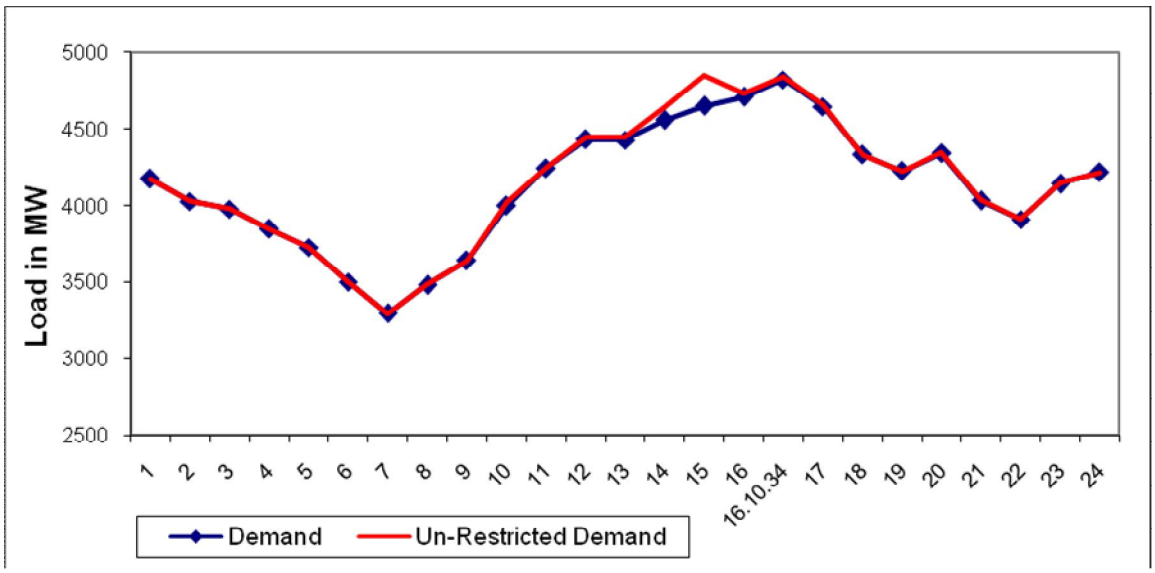
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	4173	0	4173
2.00	4027	1	4028
3.00	3977	0	3977
4.00	3848	2	3850
5.00	3729	4	3733
6.00	3501	0	3501
7.00	3298	0	3298
8.00	3483	0	3483
9.00	3638	0	3638
10.00	4000	23	4023
11.00	4243	0	4243
12.00	4435	10	4445
13.00	4428	16	4444
14.00	4557	86	4643
15.00	4650	195	4845
16.00	4710	19	4729
16.10.34	4823	18	4841
17.00	4645	11	4656
18.00	4333	0	4333
19.00	4226	0	4226
20.00	4342	4	4346
21.00	4030	5	4035
22.00	3910	0	3910
23.00	4143	0	4143
24.00	4215	0	4215
ENERGY IN Mus	**95.453**	**0.396**	**95.849**



13 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UNRESTRICTED ENERGY DEMAND DURING MAY 2011 – 18.05.2011– 95.849Mus

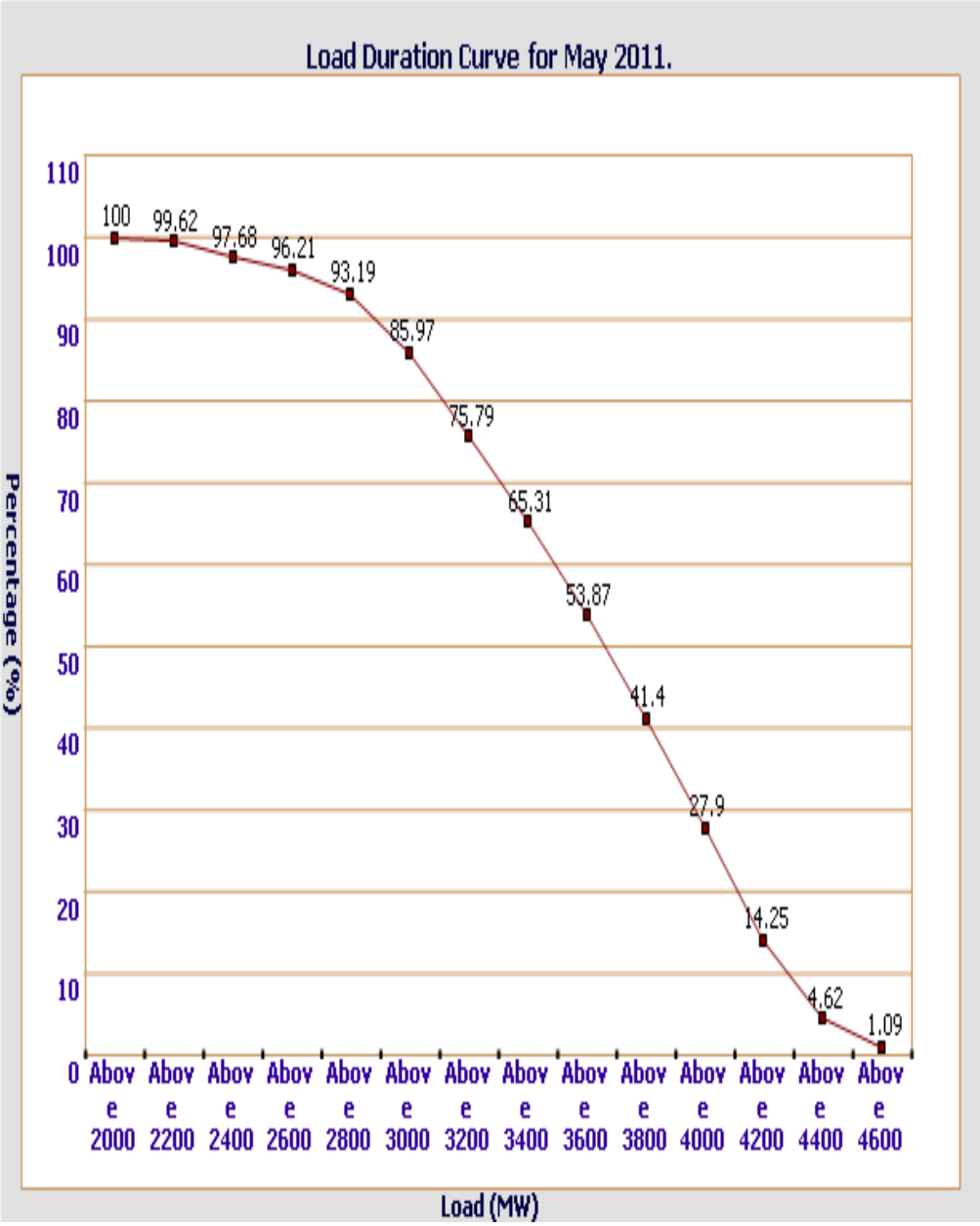
All figures in MW

Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	4173	0	4173
2.00	4027	1	4028
3.00	3977	0	3977
4.00	3848	2	3850
5.00	3729	4	3733
6.00	3501	0	3501
7.00	3298	0	3298
8.00	3483	0	3483
9.00	3638	0	3638
10.00	4000	23	4023
11.00	4243	0	4243
12.00	4435	10	4445
13.00	4428	16	4444
14.00	4557	86	4643
15.00	4650	195	4845
16.00	4710	19	4729
16.10.34	4823	18	4841
17.00	4645	11	4656
18.00	4333	0	4333
19.00	4226	0	4226
20.00	4342	4	4346
21.00	4030	5	4035
22.00	3910	0	3910
23.00	4143	0	4143
24.00	4215	0	4215
ENERGY IN Mus	**95.453**	**0.396**	**95.849**

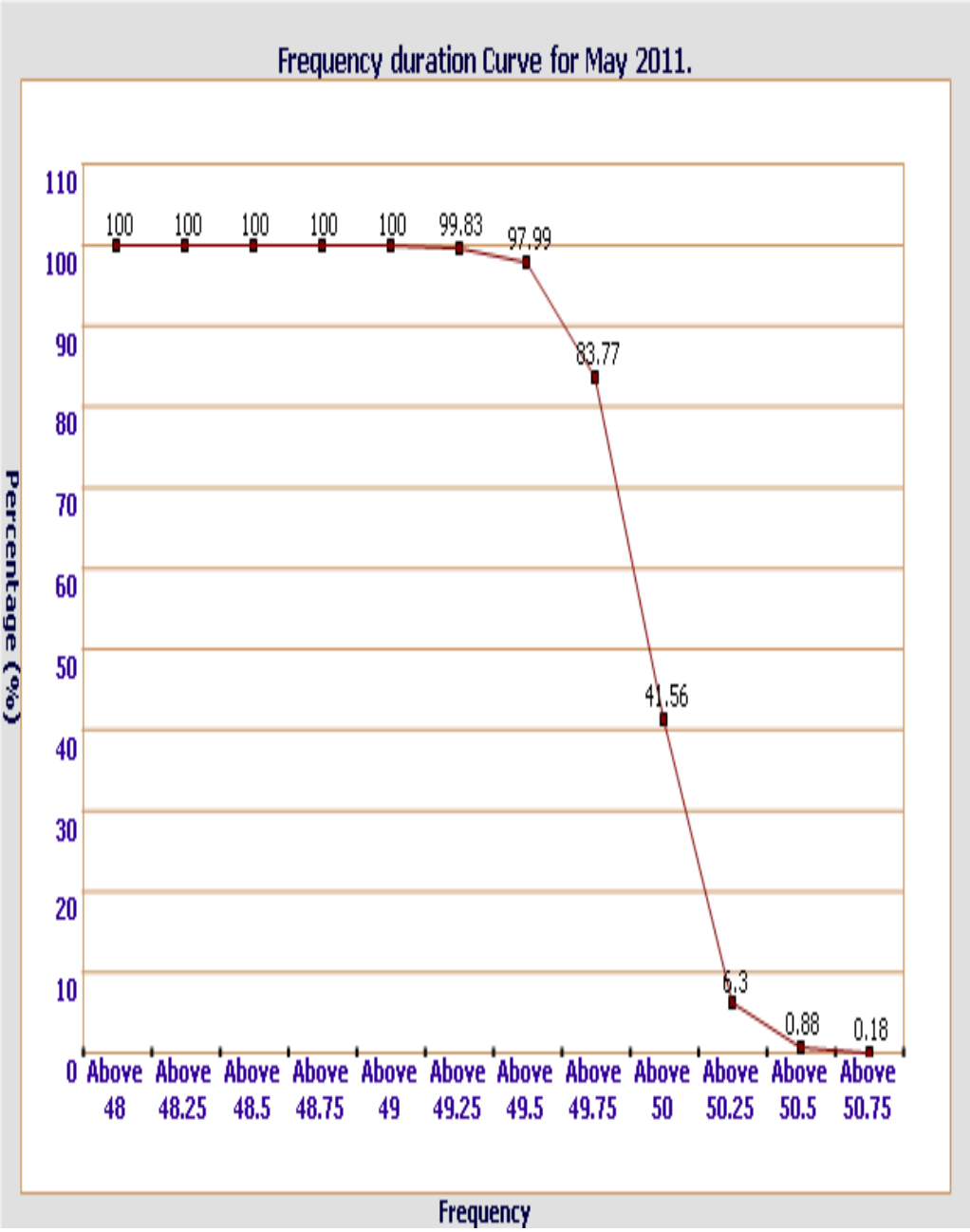


14 LOAD DURATION CURVE FOR MAY 2011

Load in MW	Percentage of Time
Above 2000	100 %
Above 2200	99.62 %
Above 2400	97.68 %
Above 2600	96.21 %
Above 2800	93.19 %
Above 3000	85.97 %
Above 3200	75.79 %
Above 3400	65.31 %
Above 3600	53.87 %
Above 3800	41.4 %
Above 4000	27.9 %
Above 4200	14.25 %
Above 4400	4.62 %
Above 4600	1.09 %



Frequency Range in Hz.	Percentage of time
Above 49.00	100 %
Above 49.25	99.83 %
Above 49.50	97.99 %
Above 49.75	83.77 %
Above 50.00	41.56 %
Above 50.25	6.3 %
Above 50.50	0.88 %
Above 50.75	0.18 %



16 VOLTAGE PROFILE OF 220 KV SUB-STATIONS IN DELHI DURING MAY 2011

All figures in kV

Date	NARELA		GAZIPUR	
	Max	Min	Max	Min
1-May -11	--	--	--	--
2-May -11	--	--	--	--
3-May -11	--	--	--	--
4-May -11	--	--	--	--
5-May -11	234.34	218.22	226.86	211.38
6-May -11	235.24	217.57	231.76	--
7-May -11	234.08	218.47	228.53	214.6
8-May -11	233.43	217.06	228.92	214.61
9-May -11	233.31	219.12	227.24	213.83
10-May -11	232.02	217.18	227.37	212.80
11-May -11	231.89	217.57	227.89	213.06
12-May -11	232.79	217.31	228.66	209.45
13-May -11	235.89	211.90	228.79	208.67
14-May -11	231.11	216.02	228.92	213.83
15-May -11	233.18	218.47	228.53	211.90
16-May -11	229.82	213.44	224.92	210.48
17-May -11	226.99	213.44	224.02	211.38
18-May -11	--	--	--	--
19-May -11	231.24	211.77	225.31	205.58
20-May -11	232.15	214.61	228.15	211.51
21-May -11	241.04	211.44	234.34	216.54
22-May -11	245.94	224.28	235.24	216.54
23-May -11	236.40	221.05	230.86	214.99
24-May -11	234.47	219.76	227.89	211.77
25-May -11	233.05	214.48	225.95	212.41
26-May -11	234.72	217.31	227.37	214.09
27-May -11	--	--	--	--
28-May -11	234.47	216.14	227.37	211.77
29-May -11	235.76	219.64	228.28	213.44
30-May -11	232.66	215.77	227.50	210.61
31-May -11	233.69	215.38	227.89	209.58

17 VOLTAGE PROFILE OF 400 KV SUB-STATIONS IN DELHI DURING MAY 2011

All figures in kV

Date	400kV Bamnauli Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
1-May -11	--	--	--	--	--
2-May -11	--	--	--	--	--
3-May -11	--	--	--	--	--
4-May -11	--	--	--	--	--
5-May -11	414.58	07.58.45	388.55	14.50.40	397.56
6-May -11	420.19	18.06.14	388.78	15.36.56	406.85
7-May -11	420.21	--	390.89	--	404.09
8-May -11	419.03	18.04.47	390.89	23.14.57	406.37
9-May -11	415.75	08.03.43	392.77	11.45.48	403.61
10-May -11	415.75	07.54.28	390.89	00.07.06	402.46
11-May -11	416.22	06.05.32	389.72	12.45.58	401.78
12-May -11	418.10	08.04.56	386.44	12.30.52	400.32
13-May -11	418.56	04.19.23	384.33	14.52.03	400.60
14-May -11	418.33	08.05.10	389.25	12.20.08	402.49
15-May -11	419.03	08.01.58	386.91	00.07.07	403.54
16-May -11	408.72	07.03.56	384.56	14.21.51	396.22
17-May -11	408.48	08.02.52	385.03	00.31.05	396.91
18-May -11	--	--	--	--	--
19-May -11	414.34	04.00.46	373.54	14.36.05	391.39
20-May -11	416.22	08.02.21	385.50	15.20.17	399.51
21-May -11	426.07	01.55.14	392.77	00.04.28	409.38
22-May -11	432.16	02.21.40	400.51	19.48.59	415.29
23-May -11	422.79	04.00.16	393.94	14.46.24	406.91
24-May -11	416.92	04.05.26	389.96	23.19.09	405.86
25-May -11	413.87	07.08.05	389.25	14.25.10	402.43
26-May -11	415.52	03.05.26	389.02	11.22.45	404.59
27-May -11	--	--	--	--	--
28-May -11	414.58	07.05.25	384.56	23.20.11	402.70
29-May -11	418.10	22.05.27	387.38	00.03.03	404.80
30-May -11	415.75	03.50.46	385.74	14.39.39	402.66
31-May -11	415.98	03.59.42	383.16	14.33.06	402.54

Date	400kV Bawana Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
1-May -11	--	--	--	--	--
2-May -11	--	--	--	--	--
3-May -11	--	--	--	--	--
4-May -11	--	--	--	--	--
5-May -11	415.05	07.58.45	390.43	14.50.40	399.21
6-May -11	421.38	18.06.44	395.12	14.49.17	407.99
7-May -11	419.03	--	393.71	--	405.53
8-May -11	419.50	18.04.57	394.41	23.13.47	407.78
9-May -11	416.22	08.04.33	394.88	11.45.58	405.14
10-May -11	416.69	07.54.38	393.71	00.06.26	404.15
11-May -11	416.92	06.32.23	392.07	12.46.08	403.45
12-May -11	418.33	08.04.56	388.78	12.48.03	402.61
13-May -11	420.67	04.20.03	388.78	14.51.43	404.38
14-May -11	419.03	08.05.10	392.77	12.21.08	404.89
15-May -11	419.03	18.08.27	390.43	00.07.07	405.20
16-May -11	409.65	07.03.56	387.61	14.21.51	398.66
17-May -11	409.18	08.03.03	387.85	00.31.16	399.49
18-May -11	--	--	--	--	--
19-May -11	415.05	03.59.15	376.83	14.36.45	394.65
20-May -11	418.10	08.01.21	389.72	14.32.13	402.25
21-May -11	427.24	01.55.14	396.76	00.04.28	410.92
22-May -11	432.16	02.21.50	401.45	19.49.19	416.10
23-May -11	422.79	03.57.26	396.76	14.45.24	408.29
24-May -11	416.92	04.03.45	392.77	23.19.19	407.29
25-May -11	414.34	08.05.28	393.24	00.07.02	404.26
26-May -11	415.52	03.04.36	392.07	11.23.05	405.94
27-May -11	--	--	--	--	--
28-May -11	414.34	03.07.12	387.61	23.20.11	404.07
29-May -11	418.56	22.03.07	386.91	01.22.57	406.00
30-May -11	415.75	03.45.36	388.55	14.15.17	404.17
31-May -11	416.92	03.58.12	386.67	14.33.36	404.33

18 DETAILS OF LUMPED CAPACITORS AT NEAREST 220 KV SUBSTATION

Sl. No	SUB-STATION	INSTALLED CAPACITY IN MVAR				Load IN		WORKING CAPACITY IN MVAR				Lumped Load IN	
		66KV	33kV	11kV	**TOTAL**	MW	MVAR	66KV	33kV	11kV	**TOTAL**	MW	MVAR
1	**IP YARD**		30		**30**				30		**30**		
1	Kamla Market			16.35	**16.35**					16.35	**16.35**	8	
2	Minto Road												
3	GB Pant Hosp			15.88	**15.88**					10.48	**10.48**	5	
4	Delhi Gate			10.9	**10.9**					10.9	**10.9**	8	
5	Tilakmarg			5.04	**5.04**					5.04	**5.04**	12	
6	Electric Lane			5.04	**5.04**					5.04	**5.04**	19	
7	Cannaught Place			10.08	**10.08**					10.08	**10.08**	20	
8	Kilokri		10.08	10.48	**20.56**				0	5.03	**5.03**	4	
9	NDSE			5.03	**5.03**					5.03	**5.03**	6	
10	AIIMS		10	5.04	**15.04**				10	5.04	**15.04**	18	
11	Nizamuddin												
12	Exhibition-I		10		**10**				0		**0**	11	
13	Exhibition-II												
14	Defence Colony												
15	IG Stadium		10.08	5.45	**15.53**				0	5.45	**5.45**	4	
16	Lajpat Nagar												
17	IP Estate			10.9	**10.9**					5.45	**5.45**		
	Total				**170.4**	239	11	**0**	**40**	**83.89**	**123.9**	**115**	
2	**IP Extn.**												
1	School Lane			5.04	**5.04**					5.04	**5.04**	51	
2	Scindia House			5.04	**5.04**					5.04	**5.04**		
3	Vidyut Bhawan			10.08	**10.08**					10.08	**10.08**	52	
4	Nirman Bhawan			5.04	**5.04**					5.04	**5.04**	30	
5	Dalhousie Road			5.04	**5.04**					5.04	**5.04**		
	Total				**30.24**	129	12	**0**	**0**	**30.24**	**30.24**	**133**	
3	**RPH Station**		20	5.04	**25.04**				20	5.04	**25.04**		
1	Lahori Gate			10.49	**10.49**					10.49	**10.49**	7	
2	Jama Masjid			5.03	**5.03**					5.03	**5.03**	8	
4	Kamla Market												
5	Minto Road			10.9	**10.9**					10.9	**10.9**	6	
6	GB Pant Hosp												
7	IG Stadium												
	Total				**51.46**	100	30	**0**	**20**	**31.46**	**51.46**	**21**	
4	**Parkstreet S/stn**	20	20		**40**			20	20		**40**		
1	Shastri Park		10.896	5.45	**16.35**				10.896	5.45	**16.35**	47	
2	Faiz Road			10.9	**10.9**					10.9	**10.9**	12	
3	Motia Khan			16.3	**16.3**					16.3	**16.3**	11	
4	Prasad Nagar			16.25	**16.25**					16.25	**16.25**	11	
5	Anand Parbat			10.8	**10.8**					7.2	**7.2**	7	
6	Shankar Road			5.04	**5.04**					5.04	**5.04**	8	
7	Rama Road			14.4	**14.4**					7.2	**7.2**	3	
8	Baird Road			10.08	**10.08**					10.08	**10.08**	22	
9	Hanuman Road			5.04	**5.04**					0	**0**	11	
10	Pusa			7.2	**7.2**					7.2	**7.2**	7	
11	Ridge Valley											53	
12	SJ Airport			5.04	**5.04**					0	**0**	9	
13	B. D. Marg											11	
	Total				**157.4**	233	41	**20**	**30.9**	**85.62**	**136.5**	**212**	

Sl. No	SUB-STATION	INSTALLED CAPACITY IN MVAR				Load IN		WORKING CAPACITY IN MVAR				Lumped Load IN	
		66KV	33kV	11kV	TOTAL	MW	MVAR	66KV	33kV	11kV	TOTAL	MW	MVAR
5	**Naraina S/stn**		20	5.04	**25.04**				20	0	**20**		
1	DMS			10.85	**10.85**					10.85	**10.85**	6	
2	Mayapuri		10.87	5	**15.87**				10.87	5	**15.87**	13	
3	Inderpuri		13.26	5.04	**18.3**				0	5.04	**5.04**	7	
4	Rewari line			7.2	**7.2**					7.2	**7.2**		
5	Khyber Lane			5.04	**5.04**					5.04	**5.04**		
6	Kirbi Place	10		5.97	**15.97**			10		5.97	**15.97**		
7	Payal			14.4	**14.4**					7.2	**7.2**	4	
	Total				**112.7**	140	21	**10**	**30.87**	**46.3**	**87.17**	**30**	
6	**Mehrauli S/stn**	80		5.04	**85.04**			60		5.04	**65.04**		
1	Adchini			15.12	**15.12**					10.08	**10.08**	9	
2	Andheria Bagh			10.85	**10.85**					10.85	**10.85**	7	
3	IIT			10.9	**10.9**					5.45	**5.45**	7	
4	JNU		10.03	10.08	**20.11**				10.03	5.04	**15.07**	23	
5	Bijwasan			10.08	**10.08**					5.04	**5.04**	6	
6	DC Saket		10.08	4.54	**14.62**				0	0	**0**	10	
7	Malviya Nagar												
8	C Dot			5.4	**5.4**					0	**0**	3	
9	Vasant kunj B-Blk	21.79		10.9	**32.69**			0		0	**0**	2	
10	Vasant kunj C-Blk	20.16		10.49	**30.65**			0		0	**0**	2	
11	Palam											12	
12	IGNOU											2	
13	R. K. Puram-I			10.08	**10.08**					10.08	**10.08**	6	
14	Vasant Vihar			15.12	**15.12**					15.12	**15.12**	8	
15	Pusp Vihar			9.6	**9.6**					9.6	**9.6**		
16	Bhikaji Cama Place		10	10.08	**20.08**				10	5.04	**15.04**	9	
	Total				**290.3**	213	32	**60**	**20.03**	**81.34**	**161.4**	**106**	
7	**Vasantkunj S/stn**	40		5.04	**45.04**			40		5.04	**45.04**		
1	R. K. Puram-II			7.2	**7.2**					0	**0**	4	
2	Vasant kunj C-Blk										**0**		
3	Vasant kunj D-Blk	20.16		10.25	**30.41**			0		0	**0**	1	
4	Race Course			5.04	**5.04**					5.04	**5.04**		
5	Bapu Dham			10.08	**10.08**					10.08	**10.08**	24	
6	Nehru Park			10	**10**					10	**10**	8	
7	Ridge Valley										**0**		
	Total				**107.8**	244	35	**40**	**0**	**30.16**	**70.16**	**37**	
8	**Okhla S/stn**	60	10	5.04	**75.04**			60	10	5.04	**75.04**		
1	Balaji			7.2	**7.2**					3.6	**3.6**	6	
2	East of Kailash			10	**10**					5	**5**	13	
3	Alaknanda			16.25	**16.25**					10.85	**10.85**	9	
4	Malviya Nagar	21.79	20.16	10.49	**52.44**			21.79	20.16	10.49	**52.44**	77	
5	Masjid Moth			15.94	**15.94**					5.04	**5.04**	7	
6	Nehru Place			21.35	**21.35**					21.35	**21.35**	20	
7	Okhla Ph-I	21.79		10.9	**32.69**			21.79		0	**21.79**	6	
8	Okhla Ph-II		20.93	15.53	**36.46**				10.9	15.53	**26.43**	13	
9	Shivalik			10.9	**10.9**					10.9	**10.9**	9	
10	Batra			15.8	**15.8**					15.8	**15.8**	5	
11	VSNL			10.8	**10.8**					0	**0**	7	
12	Siri Fort			10.49	**10.49**					5.04	**5.04**	9	
13	Tuglakabad			10.8	**10.8**					0	**0**	11	
	Total				**326.2**	360	52	**103.6**	**41.06**	**108.6**	**253.3**	**192**	

Sl. No	SUB-STATION	INSTALLED CAPACITY IN MVAR				Load IN		WORKING CAPACITY IN MVAR				Lumped Load IN	
		66KV	33kV	11kV	**TOTAL**	MW	MVAR	66KV	33kV	11kV	**TOTAL**	MW	MVAR
9	**Lodhi Road S/stn**		20		**20**				20		**20**		
1	Defence Colony			10.9	**10.9**					5.45	**5.45**	13	
2	Hudco			10.9	**10.9**					0	**0**	7	
4	Lajpat Nagar			10.9	**10.9**					0	**0**	6	
5	Nizamuddin			10.49	**10.49**					10.49	**10.49**	10	
6	Vidyut Bhawan										**0**	6	
7	Kidwai Nagar			5.04	**5.04**					5.04	**5.04**	9	
8	Ex. Gr. II										**0**		
9	IHC										**0**		
	Total				**68.23**	157	61	**0**	**20**	**20.98**	**40.98**	**51**	
10	**Sarita Vihar S/stn**	20		5.04	**25.04**			20		5.04	**25.04**		
1	Sarita Vihar			10.08	**10.08**					10.08	**10.08**	13	
2	MCIE			10.06	**10.06**					0	**0**	4	
3	Mathura Road	20.16		10.08	**30.24**			20.16		5.04	**25.2**	3	
4	Jamia Millia			5.4	**5.4**					0	**0**	4	
5	Sarai Julena		10.08	10.9	**20.98**				10.08	10.9	**20.98**	14	
	Total				**101.8**	140	-3	**40.16**	**10.08**	**31.06**	**81.3**	**38**	
11	**South of Wazirabad**										**0**		
1	Bhagirathi		10.03	10.9	**20.93**				0	10.9	**10.9**	10	
2	Ghonda	21.79	22.56	15.94	**60.29**			0	0	15.94	**15.94**	20	
3	Seelam Pur		10.08	21.39	**31.47**				0	10.9	**10.9**	10	
4	Dwarkapuri			15.46	**15.46**					15.46	**15.46**	8	
5	Nandnagri	20.16		16.35	**36.51**			20.16		10.9	**31.06**	4	
6	Yamuna Vihar			10.8	**10.8**					1.8	**1.8**	5	
7	East of Loni Road			10.8	**10.8**					10.8	**10.8**	3	
8	Shastri Park			10.9	**10.9**					5.45	**5.45**	10	
9	Karawal Nagar			5.4	**5.4**					5.4	**5.4**	9	
	Total				**202.6**	214	64	**20.16**	**0**	**87.55**	**107.7**	**79**	
12	**Geeta Colony**										**0**		
1	Geeta Colony			10.49	**10.49**					10.49	**10.49**	12	
2	Kanti Nagar			10.9	**10.9**					10.9	**10.9**	8	
3	Kailash Nagar			15.48	**15.48**					5.45	**5.45**	12	
4	Seelam Pur										**0**		
5	Shakar Pur										**0**	6	
	Total				**36.87**	105	45	**0**	**0**	**26.84**	**26.84**	**32**	
13	**Gazipur S/stn**	40		5.04	**45.04**			40		5.04	**45.04**		
1	Dallupura	21.79		10.9	**32.69**			0		10.9	**10.9**	2	
2	Vivek Vihar			10.57	**10.57**					5.03	**5.03**	18	
3	GT Road			10.85	**10.85**					10.85	**10.85**	7	
4	Kondli	20.16		10.85	**31.01**			0		5.45	**5.45**	3	
5	MVR-I			10.9	**10.9**					0	**0**		
6	MVR-II	20.16		10.9	**31.06**			0		10.9	**10.9**		
7	PPG Ind. Area			10.06	**10.06**					0	**0**	2	
	Total				**182.2**	164	0	**40**	**0**	**48.17**	**88.17**	**32**	
14	**Patparganj S/stn**	40	20	5.04	**65.04**			40	10	5.04	**55.04**		
1	GH-I	19.89		10.45	**30.34**			0		10.45	**10.45**	2	
2	GH-II	20.09		10.9	**30.99**			0		0	**0**	3	
3	CBD		10.03	15.48	**25.51**				0	15.48	**15.48**	9	
4	Guru Angad Nagar			15.49	**15.49**					15.49	**15.49**	11	
5	Karkadooma		10.08	10.44	**20.52**				10.08	10.44	**20.52**	6	
6	Preet Vihar			10.07	**10.07**					5.04	**5.04**	9	

Sl. No	SUB-STATION	INSTALLED CAPACITY IN MVAR				Load IN		WORKING CAPACITY IN MVAR				Lumped Load IN	
		66KV	33kV	11kV	TOTAL	MW	MVAR	66KV	33kV	11kV	TOTAL	MW	MVAR
7	CBD-II			7.2	**7.2**					0	**0**	4	
8	Shakarpur			5.4	**5.4**					3.6	**3.6**		
9	Jhilmil			9	**9**					0	**0**	5	
10	Dilshad Garden	20.16		16.35	**36.51**			0		0	**0**	4	
11	Khichripur	21.79		10.49	**32.28**			0		5.45	**5.45**	7	
12	Mother Dairy										**0**		
13	Scope Building										**0**		
14	Vivek Vihar										**0**		
15	Akhardham			14.4	**14.4**					0	**0**		
	Total				**302.8**	169	-25	**40**	**20.08**	**70.99**	**131.1**	**60**	
15	**Najafgarh S/stn**	60		5.04	**65.04**			60		5.04	**65.04**		
1	A4 Paschim Vihar			10.9	**10.9**					5.45	**5.45**	6	
2	Nangloi	21.73		15.85	**37.58**			21.73		10.85	**32.58**	39	
3	Nangloi W/W	20.89		5.45	**26.34**			20.89		5.45	**26.34**	3	
4	Pankha Road			15.69	**15.69**					15.69	**15.69**	6	
5	Jaffarpur			15.49	**15.49**					0	**0**	3	
7	Inst. Area Janakpuri			15.9	**15.9**					5.45	**5.45**		
8	Paschimpuri		10.05	15.53	**25.58**				0	5.04	**5.04**	9	
9	Paschim Vihar	41.83		15.44	**57.27**			20.1		15.44	**35.54**	36	
10	Mukherjee Park			15.49	**15.49**					15.49	**15.49**	11	
11	Udyog Nagar			10.04	**10.04**					0	**0**	8	
12	Choukhandi			10.08	**10.08**					0	**0**	7	
	Total				**305.4**	322	38	**122.7**	**0**	**83.9**	**206.6**	**128**	
16	**Pappankalan-I S/stn**	20		5.04	**25.04**			20		5.04	**25.04**		
1	Bindapur	21.73		15.9	**37.63**			0		5	**5**	6	
2	Bodella-I	20.1		15.9	**36**			20.1		15.9	**36**	6	
3	Bodella-II	21.73		14.53	**36.26**			0		14.53	**14.53**	6	
4	DC Janakpuri			10.04	**10.04**					10.04	**10.04**	8	
5	G-2 PPK			10.9	**10.9**					10.9	**10.9**	3	
6	G-5 PPK			15.53	**15.53**					15.53	**15.53**	6	
7	G-6 PPK			5.45	**5.45**					5.45	**5.45**	5	
8	G-15 PPK			10.08	**10.08**					10.08	**10.08**		
9	Harinagar	21.18		10.49	**31.67**			0		10.49	**10.49**	6	
	Total				**218.6**	334	38	**40.1**	**0**	**103**	**143.1**	**46**	
17	**BBMB Rohtak Road**										**0**		
1	S.B. Mill			10.08	**10.08**					0	**0**	3	
2	GTK Road				**0**						**0**		
3	Ram Pura			12.24	**12.24**					12.24	**12.24**	7	
4	Rohtak Road			10.08	**10.08**					5.04	**5.04**	2	
5	Vishal			5.4	**5.4**					5.4	**5.4**	13	
6	Madipur			10.43	**10.43**					5	**5**	7	
7	Sudershan Park			10.08	**10.08**					0	**0**		
	Total				**58.31**	151	15	**0**	**0**	**27.68**	**27.68**	**32**	
18	**Shalimarbagh S/stn**		40	6	**46**				30	6	**36**		
1	S.G.T. Nagar			13.15	**13.15**					0	**0**		
2	Wazirpur-1			20.7	**20.7**					20.7	**20.7**	11	
3	Wazirpur-2			14.4	**14.4**					7.2	**7.2**	6	
4	Shalimarbagh										**0**		
5	Ashok Vihar			20.35	**20.35**					20.35	**20.35**	11	
6	Rani Bagh			14.4	**14.4**					7.2	**7.2**	3	

Sl. No	SUB-STATION	INSTALLED CAPACITY IN MVAR				Load IN		WORKING CAPACITY IN MVAR				Lumped Load IN	
		66KV	33kV	11kV	**TOTAL**	MW	MVAR	66KV	33kV	11kV	**TOTAL**	MW	MVAR
7	Haiderpur			13.15	**13.15**					13.15	**13.15**	6	
8	SMB FC			7.2	**7.2**					7.2	**7.2**		
9	SMB KHOSLA			7.2	**7.2**					7.2	**7.2**	4	
	Total				**156.6**	185	4	**0**	**30**	**89**	**119**	**41**	
19	**Subzimandi S/stn**			6	**6**					6	**6**		
1	Shakti Nagar			5.04	**5.04**					5.04	**5.04**	4	
2	Gulabibagh			7.2	**7.2**					7.2	**7.2**	4	
3	Shahzadabagh			19.44	**19.44**					19.44	**19.44**	10	
4	Tripolia			14.4	**14.4**					7.2	**7.2**	4	
5	B. G. Road										**0**	3	
	Total				**52.08**	105	17	**0**	**0**	**44.88**	**44.88**	**25**	
20	**Narela S/stn**	40		5.04	**45.04**			40		5.04	**45.04**		
1	A-7 Narela			14.4	**14.4**					14.4	**14.4**		
2	AIR Kham pur			13.15	**13.15**					0	**0**	7	
3	Badli	20		5.95	**25.95**			20		5.95	**25.95**	21	
4	DSIDC Narela	20		5.95	**25.95**			20		5.95	**25.95**	14	
5	DSIDC Narela-2			14.4	**14.4**					0	**0**		
6	Jahangirpuri	20	20	5.95	**45.95**			20	10	5.95	**35.95**	27	
	Total				**184.8**	203	-38	**100**	**10**	**37.29**	**147.3**	**69**	
21	**Gopalpur S/stn**		30	5.04	**35.04**				20	5.04	**25.04**		
1	Azad Pur			21.6	**21.6**					21.6	**21.6**	12	
2	Hudson Lane			5.95	**5.95**					5.95	**5.95**	4	
3	Wazirabad			7.2	**7.2**					7.2	**7.2**	3	
4	Indra Vihar			5.95	**5.95**					5.95	**5.95**		
5	Tri Nagar			14.4	**14.4**					7.2	**7.2**	3	
6	GTK Road			13.15	**13.15**					7.2	**7.2**	3	
7	Jahangirpuri				**0**						**0**		
8	Civil lines			6	**6**					6	**6**		
9	DIFR			7.2	**7.2**					7.2	**7.2**		
10	Delhi Univ.			7.2	**7.2**					7.2	**7.2**		
11	Tiggipur			14.4	**14.4**					14.4	**14.4**		
	Total				**138.1**	209	20				**114.9**	**25**	
22	**Rohini S/stn**	40		6	**46**			40		6	**46**		
1	Rohini Sec-24 Ckt-I			14.4	**14.4**					14.4	**14.4**	9	
2	Rohini Sec-24 Ckt-II	20		14.4	**34.4**			20		0	**20**	9	
3	Rohini-1			7.2	**7.2**					7.2	**7.2**	3	
4	Rohini-2			13.15	**13.15**					5.95	**5.95**	7	
5	Rohini-3			5.95	**5.95**					5.95	**5.95**	4	
6	Rohini-4			13.15	**13.15**					13.15	**13.15**	9	
7	Rohini-5			13.15	**13.15**					13.15	**13.15**	22	
8	Rohini-6	20		5.95	**25.95**			20		5.95	**25.95**	3	
9	Mangolpuri-1			20.35	**20.35**					5.95	**5.95**	3	
10	Mangolpuri-2	20		5.04	**25.04**			20		0	**20**	13	
11	Saraswati Garden			10.08	**10.08**					5.04	**5.04**	4	
12	Pitam Pura-1	20		12.24	**32.24**			20		5.04	**25.04**	14	
13	Pitam Pura-2			12.24	**12.24**					0	**0**	0	
14	Pitam Pura-3			7.2	**7.2**					7.2	**7.2**	4	
15	Rohini DC-1			14.4	**14.4**					14.4	**14.4**		
	Total				**294.9**	317	21				**229.4**	**104**	

Sl. No	SUB-STATION	INSTALLED CAPACITY IN MVAR				Load IN		WORKING CAPACITY IN MVAR				Lumped Load IN	
		66KV	33kV	11kV	**TOTAL**	MW	MVAR	66KV	33kV	11kV	**TOTAL**	MW	MVAR
23	**Kanjhawala S/stn**	20		5.04	**25.04**			20		5.04	**25.04**		
1	Bawana Clear Water			14.4	**14.4**					7.2	**7.2**	3	
2	Pooth Khoord			7.2	**7.2**					7.2	**7.2**	3	
3	Ghevra			14.4	**14.4**					14.4	**14.4**		
	Total				**61.04**	58	-13				**53.84**	**6**	
24	**BAWANA S/stn**												
1	Bawana S/stn No. 6				**0**						**0**		
2	Bawana S/stn No. 7				**0**						**0**		
	Total				**0**	47	20				**0**		
25	**Kashmeregate S/stn**			5.04	**5.04**					5.04	**5.04**		
1	Civil lines			6	**6**					6	**6**	9	
2	Town Hall			8.64	**8.64**					8.64	**8.64**	8	
3	Fountain			5.45	**5.45**					5.45	**5.45**	4	
	Total				**25.13**	50	7				**25.13**	**21**	
26	**Pappankalan-II**												
1	DMRC-I												
2	DMRC-II												
	Total					99	12						
	TOTAL CAPACITY				**3636**	**4687**	**604**				**2502**	**1635**	

20 DETAILS OF BREAK-DOWNS DURING THE MONTH OF MAY 2011

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REAPRKS
	DATE	TIME		DATE	TIME	
01	01.05.11	14.38	220/33KV 100MVA PR. TR-I AT IP	01.05.11	15.22	TR. TRIPPED ON KBCH RELAY.
02	02.05.11	04.00	66/11KV 20MVA PR. TR-II AT SARITA VIHAR	02.05.11	11.25	TR. TRIPPED ON BUCHLOZ.
03	02.05.11	10.45	220/33KV 100MVA PR. TR.-I AT IP	02.05.11	10.55	TR. TRIPPED ON KBCH ALONG WITH 33KV I/C-I WHICH TRIPPED WITHOUT INDICATION.
04	02.05.11	12.21	220KV MAHARANI BAGH – PRAGATI CKT.	02.05.11	12.40	CKT. TRIPPED ON DIST PROT `R' PHASE ZONE-I AT MAHARANI BAGH AND ON DIST PROT ZONE-I AT PRAGATI
05	02.05.11	14.10	220/33KV 100MVA PR. TR.-I AT IP	02.05.11	14.15	TR. TRIPPED O KBCH
06	03.05.11	11.50	220KV BAMNAULI – NARAINA CKT-I	03.05.11	12.10	CKT. TRIPPED ON DIST PROT `A&C' PHASE, ZONE-III 186&B, 86 AT NARAINA.
07	03.05.11	14.46	220KV MANDOLA – NARELA CKT-I & II	03.05.11	18.16	CKT-I.& II TRIPPED ON DIST PROT ZONE-III AT MANDOLA. CKT-I TRIPPED ON DIST PROT `ABC' PHASE ZONE-II AT NARELA. CKT-II DID NOT TRIP AT NARELA
08	04.05.11	02.43	400KV MUNDKA – BAWANA CKT-I	04.05.11	07.59	CB-420 OF THE CKT. TRIPPED ON POLE DISCREPANCY AT MUNDKA.
09	05.05.11	22.24	400KV MUNDKA – BAWANA CKT-I	05.05.11	23.54	CB-420 OF THE CKT. TRIPPED ON POLE DISCREPANCY AT MUNDKA.
10	05.05.11	23.45	220KV SARITA VIHAR – MAHARANI BAGH CKT	05.05.11	23.45	CKT. TRIPPED ON AUTO RECLOSE LOCK OUT, DIST PROT ZONE-I, 186A&B AT SARITA VIHAR AND ON DIST PROT ZONE-I AT MAHARANI BAGH.
11	06.05.11	01.37	220/66KV 100MVA PR. TR.-II AT PAPPANKALAN-II	06.05.11	01.52	TR. TRIPPED ON LBB PROTECTION ALONG WITH ITS 66KV I/C WHICH TRIPPED ON E/F, LBB PROTECTION
12	07.05.11	11.20	66/11KV 20MVA PR. TR-II AT SARITA VIHAR	07.05.11	20.20	TR. TRIPPED ON 87T.
13	08.0511	10.35	66/11KV 20MVA PR. TR.-I AT PAPPANKALAN-I	08.05.11	16.12	TR. TRIPPED ON PRV, 86
14	09.05.11	11.03	220KV BTPS – NOIDA – GAZIPUR CKT.	09.05.11	11.33	CKT. TRIPPED ON 186A&B, 86A
15	11.05.11	17.22	220KV BTPS – MEHRAULI CKT-II	11.05.11	17.39	CKT. TRIPPED ON `R' PHASE E/F AT BTPS AND ON DIST PROT. ZONE-I, 186 AT MEHRAULI.
16	11.05.11	17.22	220KV MEHRAULI – DIAL CKT-I & II	11.05.11	17.32	BOTH CKT. TRIPPED ON MAIN-I RYB' PHASE TRIP PROTECTION AT DIAL.
17	12.05.11	03.40	220KV BTPS – NOIDA – GAZIPUR CKT.	12.05.11	18.15	CKT. TRIPPED ON O/C ALONG WITH 66KV I/C-II WHICH TRIPPED ON 86, O/C.
18	12.05.11	09.11	220KV BAMNAULI – PAPPANKALAN-I CKT-II	13.05.11	00.30	CKT. TRIPPED ON DIST PROT `ABC' PHASE ZONE-II AT BAMNAULI. `Y' PHASE CT BURNT AT PAPPANKALAN-I
19	12.05.11	09.11	220/66KV 100MVA PR. TR.-IV AT PAPPANKALAN-I	12.05.11	09.18	TR. TRIPPED ON O/C, E/F, 86 ALONG WITH ITS 66KV I/C-IV WHICH TRIPPED DUE TO VT FUSE FAIL.
20	12.05.11	09.07	220KV NARAINA – RIDGE VALLEY CKT.	12.05.11	09.20	CKT. TRIPPED ON 86A, 86B, E/F AT RIDGE VALLEY.

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REAPRKS
	DATE	TIME		DATE	TIME	
21	12.05.11	17.28	220KV MEHRAULI – VASANT KUNJ CKT-II	12.05.11	17.36	CKT. TRIPPED ON DIST PROT `A&B' PHASE AT MEHRAULI.
22	12.05.11	17.03	400/220KV 315MVA ICT-IV AT MUNDKA	12.05.11	17.22	ICT-IV TRIPPED ON OVER FLUX, 86
23	12.05.11	18.02	220/66KV 160MVA PR. TR.-III AT MUNDKA	12.05.11		TR. TRIPPED ON BUCHLOZ, 86, PRV OPERATED, DIFFERENTIAL.
24	12.05.11	20.40	220/66KV 160MVA PR. TR.-I AT PRAGATI	13.05.11	12.49	TR. TRIPPED ON 86
25	12.05.11	21.00	220/66KV 100MVA PR. TR.-I AT PAPPANKALAN-II	13.05.11	03.51	TR. TRIPPED ON DIFFERENTIAL, LBB PROTECTION ALONG WITH ITS 66KV I/C-I WHICH TRIPPED ON E/F, LBB PROTECTION, 86
26	12.05.11	22.30	220/66KV 100MVA PR. TR.-II AT PAPPANKALAN-II	13.05.11	21.55	TR. TRIPPED ON REF, DIFFERENTIAL, LBB PROTECTION, 86 ALONG WITH ITS 66KV I/C WHICH TRIPPED ON LOW IDMT O/C
27	13.05.11	00.15	400KV BAWANA – ABDULLAPUR CKT-I	13.05.11	01.33	CKT. TRIPPED ON MAIN-I : 2/AA, AB ZONE, MAIN-II : DIST AIDED ABN ZONE-I AT BAWANA.
28	13.05.11	06.10	400KV BALLABHGARH – BAMNAULI CKT-II	13.05.11	06.34	CKT. TRIPPED ON 186A&B, ZONE-I, CH-I, CH-II, 30 AT BAMNAULI.
29	14.05.11	10.28	220KV BTPS – NOIDA – GAZIPUR CKT.	14.05.11	10.51	CKT. TRIPPED ON `B' PHASE E/F AT BTPS.
30	15.05.11	19.05	220KV PATPARGANJ – GEETA COLONY CKT-II	15.05.11	19.29	BUS BAR PROTECTION OPERATED AT GEETA COLONY
31	15.05.11	19.05	220KV GEETA COLONY – WAZIRABAD CKT-II	15.05.11	19.29	BUS BAR PROTECTION OPERATED AT GEETA COLONY
32	15.05.11	19.05	220/33KV 100MVA PR. TR.-II AT GEETA COLONY	15.05.11	19.51	BUS BAR PROTECTION OPERATED AT GEETA COLONY
33	15.05.11	20.32	220KV BTPS – OKHLA CKT-I	15.05.11	21.01	CKT. TRIPPED ON 186, 30A, 30G, 86X1, 86X2 AT BTPS. NO TRIPING AT OKHLA. `R' PHASE CT DAMAGED AT OKHLA
34	15.05.11	20.32	220/66KV 100MVA PR. TR.-II	15.05.11	21.32	TR. TRIPPED ON 96T
35	15.05.11	20.32	220/33KV 100MVA PR. TR.-III & IV AT OKHLA	15.05.11	21.45	TR.-III TRIPPED ON 96T AND TR.-IV TRIPPED ON POLE DISCREPANCY. 100MVA PR. TR.-III & IV CHARGED AT 21.10HRS AND 21.45HRS RESPECTIVELY.
36	16.05.11	17.37	220KV BTPS – OKHLA CKT-I	16.05.11	17.52	CKT. TRIPPED ON 186, 67AX, 86X-1, 86X-2 AT BTPS. CKT. TRIPPED WITHOUT INDICATION AT OKHLA
37	18.05.11	20.42	400KV MUNDKA – BAWANA CKT-I	18.05.11	22.53	BREAKER NO-42052 TRIPPED DUE TO LOW GAS PRESSURE.
38	21.05.11	01.35	220KV IP – RPH CKT-II	21.05.11	13.50	CKT. TRIPPED ON DIRECTIONAL E/F AT IP. CKT CLOSED AT 01.48HRS. BUT AGAIN TRIPPED AT 01.50HRS.
39	21.05.11	01.35	220KV IP – PATPAR GANJ CKT-I	21.05.11	13.50	CKT. TRIPPED ON DIRECTIONAL E/F AT IP. CKT CLOSED AT 01.48HRS. BUT AGAIN TRIPPED AT 01.50HRS.
40	21.05.11	01.52	220KV IP – PATPAR GANJ CKT-II	21.05.11	13.50	CKT. TRIPPED ON DIRECTIONAL E/F AT IP
41	21.05.11	08.56	220KV MANDOLA – WAZIRABAD CKT-IV	21.05.11	10.22	CKT. TRIPPED ON DIST PROT `R&B' PHASE ZONE-II AT MANDOLA AND ON DIST PROT `R&B' PHASE AT WAZIRABAD.

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REAPRKS
	DATE	TIME		DATE	TIME	
42	21.05.11	09.14	220KV BTPS – MEHRAULI CKT-II	21.05.11	10.10	CKT. TRIPPED ON DIST PROT `C' PHASE 186A, 186B, 186C AT MEHRAULI AND ON 30A, 30G, 30H, 30B, 86X, 86X2, 186 AT BTPS.
43	21.05.11	09.31	400KV MUNDKA – BAWANA CKT-I	21.05.11	11.15	CB-40252 OF THE CKT. TRIPPED ON AIR GAS PRESSURE LOW AT MUNDKA.
44	21.05.11	09.40	66/11KV 20MVA PR. TR-II AT PAPPANKALAN-II	21.05.11	09.42	TR. TRIPPED ON BACK UP PROTECTION
45	21.05.11	11.39	400KV MUNDKA – BAWANA CKT-I	21.05.11	17.37	BREAKER NO-40252 OF THE CKT. TRIPPED ON AUTO RECLOSE LOCK OUT, 286LO.
46	21.05.11	14.33	220/33KV 100MVA PR. TR-III AT PATPARGANJ	21.05.11	17.02	TR. TRIPPED ON DIFFERENTIAL, 86, 64RLV
47	21.05.11	21.59	220KV MANDOLA – WAZIRABAD CKT-IV	22.05.11	15.03	CKT. TRIPPED ON Z-COM, GENERAL TRIP, `RYB' PHASE, RXME18 AT WAZIRABAD AND ON DIST PROT `Y&B' PHASE ZONE-II AT MANDOLA
48	22.05.11	00.30	220KV GEETA COLONY – WAZIRABAD CKT-II	22.05.11	00.39	CKT. TRIPPED ON DIST PROT `RYB' PHASE ZONE-I AT WAZIRABAD AND ON DIST PROT `ABC' PHASE ZONE-I AT GEETA COLONY.
49	22.05.11	00.34	220KV SARITA VIHAR – MAHARANI BAGH CKT	22.05.11	00.46	CKT. TRIPPED ON DIST PROT `B' PHASE ZONE-I AT SARITA VIHAR AND ON DIST PROT `B' PHASE AT MAHARANI BAGH
50	22.05.11	00.43	400/220KV ICT-II AT BAMNAULI	22.05.11	07.45	ICT-II TRIPPED ON 186A&B, 86B-1, 30L, OLTC BUCHLOZ, 30AH CONTROL SUPPLY FAILED.
51	22.05.11	03.48	400KV MUNDKA – JHAJJAR CKT-I	22.05.11	09.52	CKT. TRIPPED ON SUPERVISION, AIR PRESSURE LOW, CVT FUSE FAIL AT MUNDKA.
52	22.05.11	13.25	220/33KV 100MVA PR. TR.-IV AT OKHLA	22.05.11	18.45	TR. TRIPPED ON SUDDEN PRESSURE LOW ALONG WITH 33KV I/C-IV WHICH TRIPPED ON 86
53	22.05.11	13.45	220KV BAMNAULI – NAJAFGARH CKT-I & II	22.05.11	13.58	CKT-I & II TRIPPED ON 186 AT NAJAFGARH. NO TRIPPING AT BAMNAULI.
54	27.05.11	16.52	400/220KV 315MVA ICT-II AT BAWANA	27.05.11	17.05	ICT TRIPPED ON 86A, 186B
55	27.05.11	17.52	220/66KV 100MVA PR. TR. AT BAWANA	27.05.11	17.05	TR TRIPPED ON 296BUS PROTECTION.
56	29.05.11	08.34	220KV MANDOLA – GOPALPUR CKT-I	29.05.11	08.40	CKT. TRIPPED ON DIST PROT ZONE-I AT MANDOLA AND ON DIST PROT `R' PHASE ZONE-I AT GOPALPUR
57	29.05.11	21.45	220KV BAMNAULI – NARAINA CKT-I	29.05.11	22.17	CKT. TRIPPED ON DIST PROT `A' PHASE 186A&B AT BAMNAULI. NO TRIPPING AT NARAINA.
58	29.05.11	21.57	220KV BTPS – MEHRAULI CKT-II	29.05.11	23.03	CKT. TRIPPED ON 30C AT BTPS AND ON DIST PROT `C' PHASE ZONE-I AT MEHRAULI.

20 DETAILS OF UNDER FREQUENCY RELAY OPERATIONS IN DELHI POWER SYSTEM DURING THE MONTH OF MAY 2011

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