DELHI TRANSCO LTD.

STATE LOAD DISPATCH CENTER

PROGRESS REPORT

****

JUNE - 2011

1 SALIENT FEATURES OF DELHI POWER SYSTEM

Sr. No.	Features	JUNE 2011	JUNE 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)**	**5014**	**4809**
	Date	24.06.2011	24.06.10
	Time	16.04.28	15.24.24
3	**Peak Demand met (MW)**	**4994**	**4668**
	Date	24.06.11	21.06.10
	Time	16.04.28	15.34.02
4	Peak Availability (MW)	4784	4924
5	Shortage (-) / Surplus (+) in MW	(-) 210	(+)256
6	Percentage Shortage (-) / Surplus (+)	(-) 4.205	5.48
7	Maximum Energy Consume in a day (Mus)	99.871	92.955
8	Energy Consumed during the month	**2666.325**	**2473.955**
9	**Load Shedding in Mus**		
A)	Due to Grid Restrictions		
i)	Under Frequency Relay Operations	0.000	0.043
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	0.080	0.138
	BRPL	0.156	0.128
	BYPL	0.000	0.219
	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	**0.236**	**0.528**
B)	Due to Constraints in System in Mus		
	DTL	2.220	5.670
	NDPL	0.506	0.500
	BRPL	0.630	2.043
	BYPL	0.388	0.972
	NDMC	0.000	0.040
	MES	0.000	0.000
	Other Agencies	0.057	0.602
	Total	**3.801**	**9.827**
11	**Grand Total in Mus**	**4.037**	**10.355**

2. PERFORMANCE OF GENERATING STATIONS WITHIN DELHI DURING JUNE 2011

A) For the month of June 2011

All Figures in MUs

S. No	Stations	Gross Generation	Aux. Consumption	Net Generation	Availability (%)	Backing Down
1.	**RPH**	83.761	9.966	73.795	85.48	0.000
2.	**GT**	109.202	4.588	104.614	67.57	23.215
3.	**PPCL**	188.420	4.925	183.495	86.65	32.183
4.	**BTPS**	400.354	44.039	356.315	101.35	101.049
5.	**Rithala**	27.033	0.429	26.604	--	--
	TOTAL	**808.77**	**63.947**	**744.823**		

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

Power Station	Effective Capacity (MW)	Net Generation in MUs For June 2011	Availability (%) For June 2011	PLF (%) For June 2011	Cumulative Generation in MUs upto June 2011 for the year 2011-12	Cumulative Availability in % upto June 2011 for the year 2011-12	Cumulative PLF in % upto June 2011 for the year 2011-12
RPH	135	73.795	85.48	85.46	233.460	89.58	89.58
GT	270	104.614	67.57	55.26	308.142	74.01	53.38
PPCL	330	183.495	86.65	77.07	544.576	84.75	75.99
BTPS	705	356.315	101.35	78.98	1162.836	97.26	84.04
Rithala	**73**	26.604	--	--	74.181	--	--
TOTAL	**1513**	**744.823**			**2323.195**		

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
		10.06.11	05.40	10.06.11	12.32	UAT abnormality
		10.06.11	12.45	10.06.11	13.00	UAT abnormality
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
		02.06.11	11.07	04.06.11	11.14	Boiler tube leakage
		04.06.11	16.50	04.06.11	17.50	Tripped on jerk
		04.06.11	18.18	04.06.11	20.12	Feed pump problem

(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	Machine stopped due to low demand
		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	
		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.
		02.06.11	09.32	03.06.11	10.25	
		08.06.11	20.35	09.06.11	00.34	Electrical trouble
		17.06.11	01.02	18.06.11	01.22	Machine stopped as generation available in open cycle mode
		19.06.11	07.04	21.06.11	03.05	
		26.06.11	12.20	27.06.11	11.26	Stopped due to low demand and high frequency.
		30.06.11	11.50	30.06.11	23.59	
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 high vibration
		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	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	
		15.06.11	07.35	15.06.11	08.25	Loss of flame
		15.06.11	17.40	15.06.11	18.40	Loss of flame
		15.06.11	22.10	16.06.11	03.22	Loss of flame
		18.06.11	02.02	20.06.11	17.35	Machine stopped as generation available in open cycle mode

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
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	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	Electrical trouble
		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
		01.06.11	00.00	30.06.11	23.59	
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	
		02.06.11	09.35	03.06.11	10.50	Stopped due to low demand and high frequency.
		03.06.11	11.15	06.06.11	10.40	
		22.06.11	18.02	23.06.11	02.57	Machine stopped as generation available in open cycle mode
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	Due to low demand and high freq.
		31.05.11	00.05	31.05.11	16.13	Machine stopped as generation available in open cycle mode
		31.05.11	23.02	03.06.11	10.15	
		05.06.11	08.04	05.06.11	12.28	Machine tripped on high exhaust temperature trip
		07.06.11	14.58	07.06.11	16.28	
		14.06.11	03.46	15.06.11	19.45	Machine stopped as generation available in open cycle mode
		15.06.11	22.03	16.06.11	01.14	

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
5	30	16.06.11	05.17	16.06.11	11.44	Machine tripped on high vibration
		16.06.11	20.02	16.06.11	22.50	Electrical trouble
		16.06.11	23.50	17.06.11	00.15	machine came on FSNL while changing the faulty u/v relay
		26.06.11	09.02	30.06.11	23.59	Due to low demand and high freq.
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	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	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	
		13.05.11	00.05	13.05.11	18.33	
		21.05.11	18.30	23.05.11	10.55	Stopped due to low demand and high frequency.
		26.06.11	09.02	30.06.11	23.59	
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	Machine stopped due to low demand
		23.04.11	06.32	23.04.11	11.10	Problem in 24 Volt DC supply.
		30.04.11	00.52	30.04.11	02.56	Machine stopped due to low demand Machine tripped and following relay operated
		30.04.11	18.15	05.05.11	05.05	
		05.05.11	23.35	06.05.11	02.28	
		07.05.11	01.45	07.05.11	03.40	
		10.05.11	13.50	10.05.11	17.40	Low vacuum
		15.05.11	06.20	15.05.11	22.54	To attend various leakages
		21.05.11	09.50	21.05.11	14.05	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 on low vacuum.
		07.06.11	02.43	07.06.11	05.20	Tripped on Ch-I &II
		19.06.11	07.04	21.06.11	02.10	To attend various leakages
		21.06.11	15.58	21.06.11	16.59	To attend various leakages
STG2	30	11.04.11	10.40	17.04.11	16.20	Low vacuum
		21.05.11	04.00	23.05.11	11.00	Machine stopped due to low demand
		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	
		02.06.11	09.36	06.06.11	10.40	Machine stopped due to low demand
		19.06.11	15.05	19.06.11	20.00	Low vacuum
		22.06.11	18.02	23.06.11	04.25	To attend various leakages
		28.06.11	16.03	28.06.11	17.53	Tripped on Ch-I &II

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
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	Machine stopped due to low demand
		22.04.11	12.17	30.04.11	16.16	Machine available on spot R-LNG
		01.05.11	14.52	01.05.11	15.40	Steam Turbine Speed very high.
		07.05.11	03.40	07.05.11	13.58	Machine stopped due to low demand
		12.05.11	09.16	13.05.11	20.35	Main steam temperature low
		21.05.11	18.30	23.05.11	13.55	Machine stopped due to low demand
		05.06.11	10.15	05.06.11	11.15	Low vacuum
		06.06.11	09.05	06.06.11	11.25	Turbine shaft vibration high
		13.06.11	13.10	13.06.11	14.34	Machine tripped on CH-I& II.
		26.06.11	09.02	30.06.11	23.59	Machine stopped due to low demand

(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	Unit stopped due to low demand and high frequency
		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	Unit stopped due to low demand and high frequency
		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	Grid disturbance
		21.05.11	22.10	23.05.11	08.45	Generation backing down due to low demand and high frequency
		05.06.11	11.02	05.06.11	17.43	Shutdown for attending hot spot and general maintenance
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
		05.06.11	05.00	05.06.11	10.43	Shutdown for attending hot spot and general maintenance
		10.06.11	05.54	11.06.11	15.44	Generation backing down due to low demand and high frequency
		26.06.11	11.38	27.06.11	10.29	
		27.06.11	10.29	27.06.11	10.55	Lube oil system fault
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	
		05.06.11	09.50	05.06.11	13.38	Shutdown for attending hot spot and general maintenance
		07.06.11	00.47			Internal fault

(D) BADARPUR THERMAL POWER STATION

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	95	10.06.11	11.04	13.06.11	21.58	Generation backing down due to low demand and high frequency
		26.06.11	09.43	27.06.11	13.07	
		27.06.11	17.26	27.06.11	17.51	Furnaces pressure high
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	Generation backing down due to low demand and high frequency
		27.06.11	16.41	02.07.11	17.42	
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	Generation backing down due to low demand and high frequency
		02.06.11	19.41	06.06.11	11.43	
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
		24.06.11	13.07	24.06.11	16.16	Excitation system failure
5	210	17.06.11	17.47	21.06.11	10.10	Generation backing down due to low demand and high frequency
		21.06.11	11.41	21.06.11	13.04	Furnaces vacuum high
		22.06.11	01.09	22.06.11	04.55	Furnaces vacuum high
		22.06.11	05.07	22.06.11	08.15	Unit auxiliary transformer problem

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. 22.05.2011

Time block 00.00hrs. to 12.00hrs. & 23.00hrs. to 24.00hrs. @ 0% allocation 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**

B) 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% allocation 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 JUNE 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	0:00:48	0	148	296	602	51	1097	3172	3262	90	**4269**	0	4269
2	16:24:37	51	60	276	468	37	892	3214	3437	223	**4106**	4	4110
3	16:01:24	52	141	290	496	37	1016	3263	3830	567	**4279**	3	4282
4	23:32:58	114	145	294	487	37	1077	3058	3253	195	**4135**	0	4135
5	23:30:00	114	141	291	507	50	1103	3178	3540	362	**4281**	0	4281
6	22:58:13	113	177	287	589	42	1208	3521	3562	41	**4729**	0	4729
7	15:04:40	112	133	181	578	18	1022	3801	3882	81	**4823**	3	4826
8	16:09:18	110	177	187	591	25	1090	3640	3952	312	**4730**	5	4735
9	15:43:56	111	177	188	571	39	1086	3596	3798	202	**4682**	3	4685
10	16:30:00	115	182	97	414	31	839	3235	3322	87	**4074**	0	4074
11	23:27:02	119	178	191	528	37	1053	3262	3464	202	**4315**	0	4315
12	0:00:05	120	177	191	527	37	1052	3153	3181	28	**4205**	0	4205
13	16:00:09	118	171	281	528	37	1135	3583	3754	171	**4718**	0	4718
14	16:05:06	119	137	279	596	34	1165	3624	3845	221	**4789**	0	4789
15	16:03:22	119	140	271	495	37	1062	3266	3121	-145	**4328**	16	4344
16	16:23:00	118	173	190	469	41	991	3560	3408	-152	**4551**	0	4551
17	14:45:47	118	134	290	479	35	1056	3480	3227	-253	**4536**	0	4536
18	15:36:21	116	138	286	334	34	908	3333	3163	-170	**4241**	17	4258
19	23:40:32	118	110	266	345	46	885	3176	2606	-570	**4061**	0	4061
20	15:30:19	115	96	286	365	30	892	3557	3575	18	**4449**	0	4449
21	16:06:42	118	151	280	570	42	1161	3497	3381	-116	**4658**	48	4706
22	16:02:17	118	174	278	596	29	1195	3601	3648	47	**4796**	0	4796
23	15:35:00	117	173	280	593	29	1192	3717	3740	23	**4909**	53	4962
24	16:04:28	118	180	285	410	29	1022	3972	3762	-210	**4994**	20	5014
25	0:00:16	111	172	289	554	47	1173	3449	3532	83	**4622**	4	4626
26	0:00:22	116	173	295	501	34	1119	3344	3220	-124	**4463**	0	4463
27	12:07:52	109	99	285	415	43	951	3271	3266	-5	**4222**	0	4222
28	16:05:47	103	95	290	380	25	893	3461	3340	-121	**4354**	0	4354
29	;0:01:43	117	111	298	421	26	973	3126	2707	-419	**4099**	0	4099
30	15:00:40	119	71	288	499	26	1003	3315	3110	-205	**4318**	0	4318

7 POWER AVAILABILITY- DEMAND POSITION AT THE TIME OF MAXIMUM UNRESTRICTED DEMAND DURING JUNE 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	0:00:48	0	148	296	602	51	1097	3172	3262	90	**4269**	0	4269
2	16:24:37	51	60	276	468	37	892	3214	3437	223	**4106**	4	4110
3	16:01:24	52	141	290	496	37	1016	3263	3830	567	**4279**	3	4282
4	23:32:58	114	145	294	487	37	1077	3058	3253	195	**4135**	0	4135
5	23:30:00	114	141	291	507	50	1103	3178	3540	362	**4281**	0	4281
6	22:58:13	113	177	287	589	42	1208	3521	3562	41	**4729**	0	4729
7	15:04:40	112	133	181	578	18	1022	3801	3882	81	**4823**	3	4826
8	16:09:18	110	177	187	591	25	1090	3640	3952	312	**4730**	5	4735
9	15:43:56	111	177	188	571	39	1086	3596	3798	202	**4682**	3	4685
10	16:30:00	115	182	97	414	31	839	3235	3322	87	**4074**	0	4074
11	23:27:02	119	178	191	528	37	1053	3262	3464	202	**4315**	0	4315
12	0:00:05	120	177	191	527	37	1052	3153	3181	28	**4205**	0	4205
13	16:00:09	118	171	281	528	37	1135	3583	3754	171	**4718**	0	4718
14	16:05:06	119	137	279	596	34	1165	3624	3845	221	**4789**	0	4789
15	16:03:22	119	140	271	495	37	1062	3266	3121	-145	**4328**	16	4344
16	16:23:00	118	173	190	469	41	991	3560	3408	-152	**4551**	0	4551
17	14:45:47	118	134	290	479	35	1056	3480	3227	-253	**4536**	0	4536
18	15:36:21	116	138	286	334	34	908	3333	3163	-170	**4241**	17	4258
19	23:40:32	118	110	266	345	46	885	3176	2606	-570	**4061**	0	4061
20	15:30:19	115	96	286	365	30	892	3557	3575	18	**4449**	0	4449
21	16:06:42	118	151	280	570	42	1161	3497	3381	-116	**4658**	48	4706
22	16:02:17	118	174	278	596	29	1195	3601	3648	47	**4796**	0	4796
23	15:35:00	117	173	280	593	29	1192	3717	3740	23	**4909**	53	4962
24	16:04:28	118	180	285	410	29	1022	3972	3762	-210	**4994**	20	5014
25	0:00:16	111	172	289	554	47	1173	3449	3532	83	**4622**	4	4626
26	0:00:22	116	173	295	501	34	1119	3344	3220	-124	**4463**	0	4463
27	12:07:52	109	99	285	415	43	951	3271	3266	-5	**4222**	0	4222
28	16:05:47	103	95	290	380	25	893	3461	3340	-121	**4354**	0	4354
29	;0:01:43	117	111	298	421	26	973	3126	2707	-419	**4099**	0	4099
30	15:00:40	119	71	288	499	26	1003	3315	3110	-205	**4318**	0	4318

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

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

A (i) RPH	83.761
JHAJJAR SHARE	0.000
NET RPH	83.761
(ii) GT+STG	109.202
(iii) PRAGATI	188.420
(iv) RITHALA	27.033
TOTAL	408.416
B) AVAILABILITY FROM BTPS	354.284
C) AUXILIARY CONSUMPTION OF GENERATING STNs. EXCLUDING BTPS	19.908
D) NET GENERATION AVAILABLE WITHIN DELHI(A+B-C)	**742.792**

B) SOURCE WISE SCHEDULED DRAWL FROM THE NORTHERN GRID

NAME OF THE STATION	AVAILABILITY AT POWER PLANT	AVAILABILITY AT DELHI PERIPHERY	ALLOCATION MADE BY NRLDC AT POWER PLANT	ALLOCATION MADE BY NRLDC AT DELHI PERIPHERY
B/SUIL	8.112	7.896	8.112	7.896
SALAL	48.923	47.605	48.923	47.605
TANKAPUR	7.039	6.850	7.039	6.850
CHAMERA	29.991	29.187	29.991	29.187
CHAMERA -II	30.321	29.511	30.321	29.511
DHAULIGANGA	21.396	20.822	21.396	20.822
SEWA -2	5.730	5.576	5.730	5.576
URI	38.263	37.239	38.263	37.239
KOTESHWAR	0.000	0.000	0.000	0.000
ANTA (GAS)	24.954	24.286	14.597	14.211
ANTA (RLNG)	5.723	5.571	0.404	0.393
ANTA (LIQUID)	0.000	0.000	0.000	0.000
DADRI (GAS)	51.586	50.205	30.634	29.825
DADRI (RLNG)	10.957	10.664	0.626	0.609
DADRI (LIQUID)	0.000	0.000	0.000	0.000
AURAIYA (GAS)	29.436	28.649	17.465	17.005
AURAIYA (RLNG)	8.155	7.935	0.450	0.438
AURAIYA (LIQUID)	2.315	2.250	0.000	0.000
SINGRAULI	100.307	97.615	95.176	92.624
RIHAND -I	73.701	71.731	69.877	68.012
RIHAND -II	88.814	86.435	83.635	81.397
UNCHAHAR-I	17.207	16.747	14.504	14.118
UNCHAHAR-II	29.317	28.540	25.529	24.856
UNCHAHAR-III	21.466	20.892	18.485	17.993
DADRI (TH)	518.400	504.533	427.516	416.127
DADRI (TH) STAGE-II	498.973	485.621	452.567	440.503
NAPP	17.743	17.269	17.743	17.269
RAPP 'B'	0.000	0.000	0.000	0.000
RAPP 'C'	38.983	37.926	38.983	37.926
NATHPA JHAKRI	112.522	109.512	112.522	109.512
DULASTI	36.627	35.648	36.627	35.648
TEHRI	21.970	21.375	21.970	21.375
JHAJJAR	77.856	75.790	70.712	68.843
KHELGAON	24.873	24.205	17.432	16.976
KHELGAON-II	52.049	50.671	38.758	37.767
FARAKA	13.356	12.998	6.789	6.609
TALA	12.453	12.115	12.453	12.115
TALCHER	0.000	0.000	0.000	0.000
DVC	161.893	157.352	151.605	147.549
CHATTISHGARH	59.288	56.902	53.990	52.532

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
ANDHRA	9.165	8.712	8.312	8.086
DVC TATA STEEL (NDPL)	30.806	29.944	28.850	28.082
ORISSA	100.478	97.667	93.460	90.955
KERALA	26.496	25.190	24.950	24.282
HIMACHAL PRADESH	28.803	28.038	28.803	28.038
WEST BENGAL	18.770	18.238	17.625	17.155
MADHYA PRADESH	47.920	45.951	43.581	42.400
UTTRANCHAL	70.747	68.867	70.747	68.867
SIKKIM	20.608	20.030	20.014	19.482
GOA	25.732	24.690	23.472	22.844
MAHARASHTRA	31.365	30.092	28.494	27.729
MEGHALAYA	5.415	5.263	5.074	4.938
RAJASTHAN	35.208	34.267	35.208	34.267
TO ANDHRA(ER)	-0.732	-0.766	-0.766	-0.788
TO MAHARASHTRA	-0.789	-0.823	-0.823	-0.843
TO MEGHALAYA	-5.006	-5.178	-5.178	-5.321
TO PUNJAB	-3.832	-3.940	-3.832	-3.940
POWER EXCHANGE(IEX)	1.524	1.482	1.524	1.482
TO POWER EXCHANGE (IEX)	-158.379	-162.700	-158.379	-162.700
POWRER EXCHANGE(PX)	0.000	0.000	0.000	0.000
TO POWER EXCHANGE (PX)	-7.347	-7.543	-7.347	-7.543
TOTAL	**2577.650**	**2495.605**	**2274.615**	**2204.390**

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	1481.310	1441.674	1251.465	1218.109
NTPC - ER	90.278	87.874	62.979	61.352
NHPC	226.402	220.335	226.402	220.335
NPC	56.726	55.195	56.726	55.195
KOTESHWAR	0.000	0.000	0.000	0.000
NATHPA JHAKRI	112.522	109.512	112.522	109.512
TEHRI	21.970	21.375	21.970	21.375
TALA	12.453	12.115	12.453	12.115
JHAJJAR	77.856	75.790	70.712	68.843
TALCHER	0.000	0.000	0.000	0.000
DVC	161.893	157.352	151.605	147.549
CHATTISHGARH	59.288	56.902	53.990	52.532
ANDHRA	9.165	8.712	8.312	8.086
DVC TATA STEEL (NDPL)	30.806	29.944	28.850	28.082
ORISSA	100.478	97.667	93.460	90.955
KERALA	26.496	25.190	24.950	24.282
HIMACHAL PRADESH	28.803	28.038	28.803	28.038
WEST BENGAL	18.770	18.238	17.625	17.155
MADHYA PRADESH	47.920	45.951	43.581	42.400
UTTRANCHAL	70.747	68.867	70.747	68.867
GOA	25.732	24.690	23.472	22.844
MAHARASHTRA	31.365	30.092	28.494	27.729
MEGHALAYA	5.415	5.263	5.074	4.938
RAJASTHAN	35.208	34.267	35.208	34.267
SIKKIM	20.608	20.030	20.014	19.482
POWER EXCHANGE(IEX)	1.524	1.482	1.524	1.482
POWER EXCHANGE(PX)	0.000	0.000	0.000	0.000
TOTAL	**2753.735**	**2676.555**	**2450.940**	**2385.525**

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 ANDHRA(ER)	-0.732	-0.766	-0.766	-0.788
TO MAHARASHTRA	-0.789	-0.823	-0.823	-0.843
TO MEGHALAYA	-5.006	-5.178	-5.178	-5.321
TO RAJASTHAN	0.000	0.000	0.000	0.000
TO PUNJAB	-3.832	-3.940	-3.832	-3.940
TO POWER EXCHANGE (IEX)	-158.379	-162.700	-158.379	-162.700
TO POWER EXCHANGE (PX)	-7.347	-7.543	-7.347	-7.543
TOTAL	**-176.085**	**-180.950**	**-176.325**	**-181.135**
TOTAL SCHEDULED DRAWAL FROM THE GRID	**2577.650**	**2495.605**	**2274.615**	**2204.390**
TOTAL CONSUMPTION INCLUDING AUX. OF GENERATING STNs. EXCLUDING BTPS				2686.233
NET CONSUMPTION				2666.325
AVAILABILITY WITHIN DELHI				742.792
ACTUAL DRAWAL FROM THE GRID				1923.533
OVER DRAWAL(+)/UNDER DRAWAL(-) FROM THE GRID ON THE BASIS OF SCHEDULED ALLOCATION MADE BY NRLDC TO DELHI AT PERIPHERY				-280.857
LOAD SHEDDING				**4.037**
UNRESTRICTED DEMAND (GROSS)				**2690.270**
UNRESTRICTED DEMAND (NET)				**2670.361**
MAX. NET CONSUMPTION				99.871Mus. ON 24.06.2011
MAX. LOAD SHEDDING				289W ON 23.06.2011 AT 15.00HRS.
PEAK LOAD	Peak Demand during the month			SHEDDING AT PEAK TIME
DAY PEAK	4994MW AT 16:04:28HRS ON 24.06.2011			20MW
EVENING PEAK	4729MW AT 22:58:13HRS ON 06.06.2011			NIL
P.L.F. OF GENCO AND PRAGATI STNs.	RPH GT PRAGATI RITHALA			86.17% 56.17% 79.30% 50.74%

9 SHEDDING DETAILS DURING THE MONTH OF JUNE 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-Jun -11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
2-Jun -11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
3-Jun -11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
4-Jun -11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
5-Jun -11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
6-Jun -11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
7-Jun -11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
8-Jun -11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
9-Jun -11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
10-Jun -11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
11-Jun -11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
12-Jun -11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
13-Jun -11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.001	0.000
14-Jun -11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
15-Jun -11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
16-Jun -11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
17-Jun -11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
18-Jun -11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
19-Jun -11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
20-Jun -11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
21-Jun -11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.156	0.000	0.000
22-Jun -11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.002	0.000
23-Jun -11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.075	0.000
24-Jun -11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.002	0.000
25-Jun -11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
26-Jun -11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
27-Jun -11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
28-Jun -11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
29-Jun -11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
30-Jun -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	**0.000**	**0.156**	**0.080**	**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-Jun -11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.007	0.000	0.000
2-Jun -11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.012	0.000	0.000
3-Jun -11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.017	0.000	0.000
4-Jun -11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5-Jun -11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
6-Jun -11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.008	0.035	0.000	0.000
7-Jun -11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	0.000
8-Jun -11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.000	0.000
9-Jun -11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.146	0.000	0.000	0.000
10-Jun -11	0.000	0.000	0.000	0.000	0.000	0.000	0.024	0.198	0.097	0.000	0.000
11-Jun -11	0.000	0.000	0.000	0.000	0.000	0.000	0.041	0.000	0.000	0.000	0.000
12-Jun -11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
13-Jun -11	0.000	0.000	0.000	0.000	0.001	0.001	0.000	0.000	0.000	0.000	0.000
14-Jun -11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	0.000
15-Jun -11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
16-Jun -11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.011	0.001	0.000	0.000
17-Jun -11	0.000	0.000	0.000	0.000	0.000	0.000	0.011	0.000	0.012	0.000	0.000
18-Jun -11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.041	0.000	0.000
19-Jun -11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.009	0.000	0.000
20-Jun -11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
21-Jun -11	0.000	0.000	0.000	0.000	0.156	0.156	0.001	0.000	0.000	0.000	0.000
22-Jun -11	0.000	0.000	0.000	0.000	0.002	0.002	0.180	0.000	0.000	0.000	0.000
23-Jun -11	0.000	0.000	0.000	0.000	0.075	0.075	1.027	0.102	0.000	0.000	0.000
24-Jun -11	0.000	0.000	0.000	0.000	0.002	0.002	0.027	0.000	0.000	0.000	0.000
25-Jun -11	0.000	0.000	0.000	0.000	0.000	0.000	0.032	0.000	0.004	0.055	0.000
26-Jun -11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27-Jun -11	0.000	0.000	0.000	0.000	0.000	0.000	0.013	0.002	0.000	0.000	0.000
28-Jun -11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
29-Jun -11	0.000	0.000	0.000	0.000	0.000	0.000	0.012	0.061	0.012	0.000	0.000
30-Jun -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**	**0.236**	**0.236**	**1.368**	**0.528**	**0.269**	**0.055**	**0.000**

ALL FIGURES IN MUs

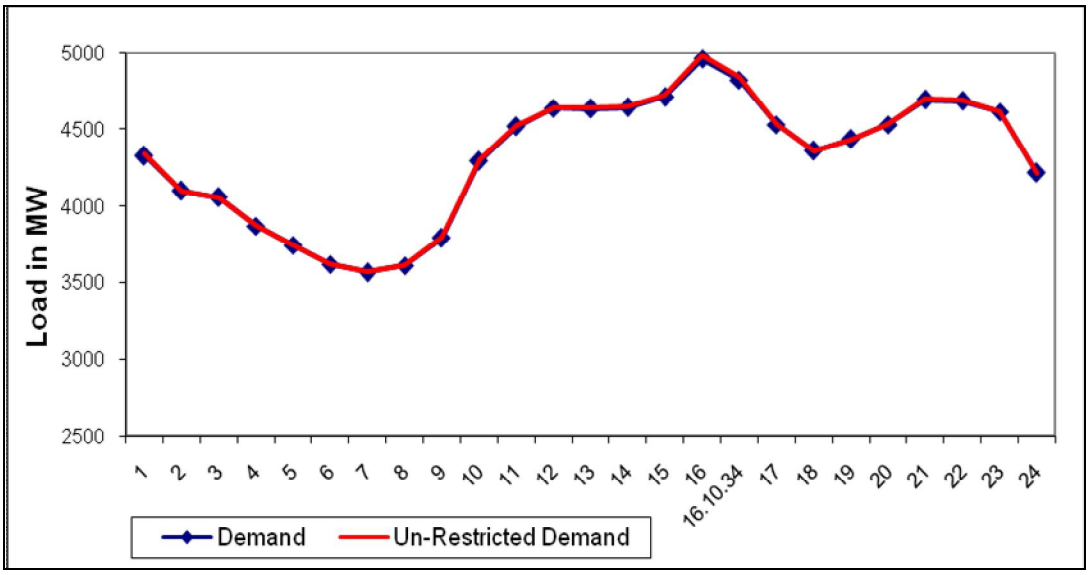
DATE	DUE TO T&D CONTRAINTS				OTHER AGENCIES LIKE GENCO, BBMB, BTPS ETC.	THEFT PRONE SHEDDING			TOTAL SHEDDING DUE TO T&D CONSTS. & THEFT PRONE	GRAND TOTAL
	DISCOMS									
	BSES		NDPL	NDMC		BSES		NDPL		
	BYPL	BRPL				BYPL	BRPL			
1	23	24	25		26	27	28	29	30=18 to29	31=30+17
1-Jun -11	0.000	0.026	0.024	0.000	0.000	0.000	0.000	0.000	**0.057**	**0.057**
2-Jun -11	0.005	0.005	0.035	0.000	0.006	0.000	0.000	0.000	**0.063**	**0.063**
3-Jun -11	0.000	0.042	0.019	0.000	0.002	0.000	0.000	0.000	**0.080**	**0.080**
4-Jun -11	0.000	0.006	0.006	0.000	0.000	0.000	0.000	0.000	**0.012**	**0.012**
5-Jun -11	0.003	0.003	0.018	0.000	0.000	0.000	0.000	0.000	**0.023**	**0.023**
6-Jun -11	0.001	0.008	0.005	0.000	0.000	0.000	0.000	0.000	**0.057**	**0.057**
7-Jun -11	0.039	0.015	0.038	0.000	0.000	0.000	0.000	0.000	**0.093**	**0.093**
8-Jun -11	0.003	0.000	0.004	0.000	0.000	0.000	0.000	0.000	**0.027**	**0.027**
9-Jun -11	0.008	0.013	0.007	0.000	0.000	0.000	0.000	0.000	**0.174**	**0.174**
10-Jun -11	0.001	0.020	0.019	0.000	0.000	0.000	0.000	0.000	**0.359**	**0.359**
11-Jun -11	0.002	0.000	0.020	0.000	0.000	0.000	0.000	0.000	**0.063**	**0.063**
12-Jun -11	0.017	0.000	0.024	0.000	0.000	0.000	0.000	0.000	**0.041**	**0.041**
13-Jun -11	0.000	0.027	0.008	0.000	0.000	0.000	0.000	0.000	**0.035**	**0.036**
14-Jun -11	0.044	0.022	0.016	0.000	0.000	0.000	0.000	0.000	**0.084**	**0.084**
15-Jun -11	0.011	0.083	0.008	0.000	0.001	0.000	0.000	0.000	**0.103**	**0.103**
16-Jun -11	0.009	0.005	0.007	0.000	0.003	0.000	0.000	0.000	**0.036**	**0.036**
17-Jun -11	0.011	0.035	0.036	0.000	0.000	0.000	0.000	0.000	**0.105**	**0.105**
18-Jun -11	0.030	0.000	0.001	0.000	0.001	0.000	0.000	0.000	**0.073**	**0.073**
19-Jun -11	0.004	0.018	0.003	0.000	0.002	0.000	0.000	0.000	**0.036**	**0.036**
20-Jun -11	0.000	0.007	0.003	0.000	0.000	0.000	0.000	0.000	**0.010**	**0.010**
21-Jun -11	0.018	0.004	0.006	0.000	0.000	0.000	0.000	0.000	**0.029**	**0.185**
22-Jun -11	0.015	0.029	0.010	0.000	0.000	0.000	0.000	0.000	**0.234**	**0.236**
23-Jun -11	0.017	0.065	0.018	0.000	0.000	0.000	0.000	0.000	**1.229**	**1.304**
24-Jun -11	0.002	0.026	0.049	0.000	0.042	0.000	0.000	0.000	**0.146**	**0.148**
25-Jun -11	0.000	0.027	0.019	0.000	0.000	0.000	0.000	0.000	**0.137**	**0.137**
26-Jun -11	0.083	0.019	0.052	0.000	0.000	0.000	0.000	0.000	**0.154**	**0.154**
27-Jun -11	0.000	0.031	0.006	0.000	0.000	0.000	0.000	0.000	**0.052**	**0.052**
28-Jun -11	0.024	0.071	0.020	0.000	0.000	0.000	0.000	0.000	**0.115**	**0.115**
29-Jun -11	0.041	0.023	0.021	0.000	0.000	0.000	0.000	0.000	**0.170**	**0.170**
30-Jun -11	0.000	0.000	0.004	0.000	0.000	0.000	0.000	0.000	**0.004**	**0.004**
Total	**0.388**	**0.630**	**0.506**	**0.000**	0.057	**0.000**	**0.000**	**0.000**	**3.801**	**4.037**

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-Jun -11	86.802	**4269**	0:00:48	0	**4269**	**4269**	0:00:48	**4269**	0
2-Jun -11	80.738	**4106**	16:24:37	4	**4110**	**4110**	16:24:37	**4106**	4
3-Jun -11	84.727	**4279**	16:01:24	3	**4282**	**4282**	16:01:24	**4279**	3
4-Jun -11	85.495	**4135**	23:32:58	0	**4135**	**4135**	23:32:58	**4135**	0
5-Jun -11	84.479	**4281**	23:30:00	0	**4281**	**4281**	23:30:00	**4281**	0
6-Jun -11	92.996	**4729**	22:58:13	0	**4729**	**4729**	22:58:13	**4729**	0
7-Jun -11	94.361	**4823**	15:04:40	3	**4826**	**4826**	15:04:40	**4823**	3
8-Jun -11	95.167	**4730**	16:09:18	5	**4735**	**4735**	16:09:18	**4730**	5
9-Jun -11	91.986	**4682**	15:43:56	3	**4685**	**4685**	15:43:56	**4682**	3
10-Jun -11	82.779	**4074**	16:30:00	0	**4074**	**4074**	16:30:00	**4074**	0
11-Jun -11	85.532	**4315**	23:27:02	0	**4315**	**4315**	23:27:02	**4315**	0
12-Jun -11	80.152	**4205**	0:00:05	0	**4205**	**4205**	0:00:05	**4205**	0
13-Jun -11	97.661	**4718**	16:00:09	0	**4718**	**4718**	16:00:09	**4718**	0
14-Jun -11	95.909	**4789**	16:05:06	0	**4789**	**4789**	16:05:06	**4789**	0
15-Jun -11	90.754	**4328**	16:03:22	16	**4344**	**4344**	16:03:22	**4328**	16
16-Jun -11	87.196	**4551**	16:23:00	0	**4551**	**4551**	16:23:00	**4551**	0
17-Jun -11	88.759	**4536**	14:45:47	0	**4536**	**4536**	14:45:47	**4536**	0
18-Jun -11	78.942	**4241**	15:36:21	17	**4258**	**4258**	15:36:21	**4241**	17
19-Jun -11	78.604	**4061**	23:40:32	0	**4061**	**4061**	23:40:32	**4061**	0
20-Jun -11	87.317	**4449**	15:30:19	0	**4449**	**4449**	15:30:19	**4449**	0
21-Jun -11	94.635	**4658**	16:06:42	48	**4706**	**4706**	16:06:42	**4658**	48
22-Jun -11	95.522	**4796**	16:02:17	0	**4796**	**4796**	16:02:17	**4796**	0
23-Jun -11	97.450	**4909**	15:35:00	53	**4962**	**4962**	15:35:00	**4909**	53
24-Jun -11	99.871	**4994**	16:04:28	20	**5014**	**5014**	16:04:28	**4994**	20
25-Jun -11	97.375	**4622**	0:00:16	4	**4626**	**4626**	0:00:16	**4622**	4
26-Jun -11	81.630	**4463**	0:00:22	0	**4463**	**4463**	0:00:22	**4463**	0
27-Jun -11	86.587	**4222**	12:07:52	0	**4222**	**4222**	12:07:52	**4222**	0
28-Jun -11	89.980	**4354**	16:05:47	0	**4354**	**4354**	16:05:47	**4354**	0
29-Jun -11	86.234	**4099**	;0:01:43	0	**4099**	**4099**	;0:01:43	**4099**	0
30-Jun -11	86.684	**4318**	15:00:40	0	**4318**	**4318**	15:00:40	**4318**	0
Total	**2666.325**	**4994** **24.06.11**	**16:04:28**	20	**5014**	**5014** **24.06.11**	**16:04:28**	**4994**	20

10 LOAD PATTERN OF DELHI ON THE DAY OF PEAK DEMAND MET DURING JUNE 2011 ON 24.06.2011 –4994MW at 16:04:28HRS.

All figures in MW

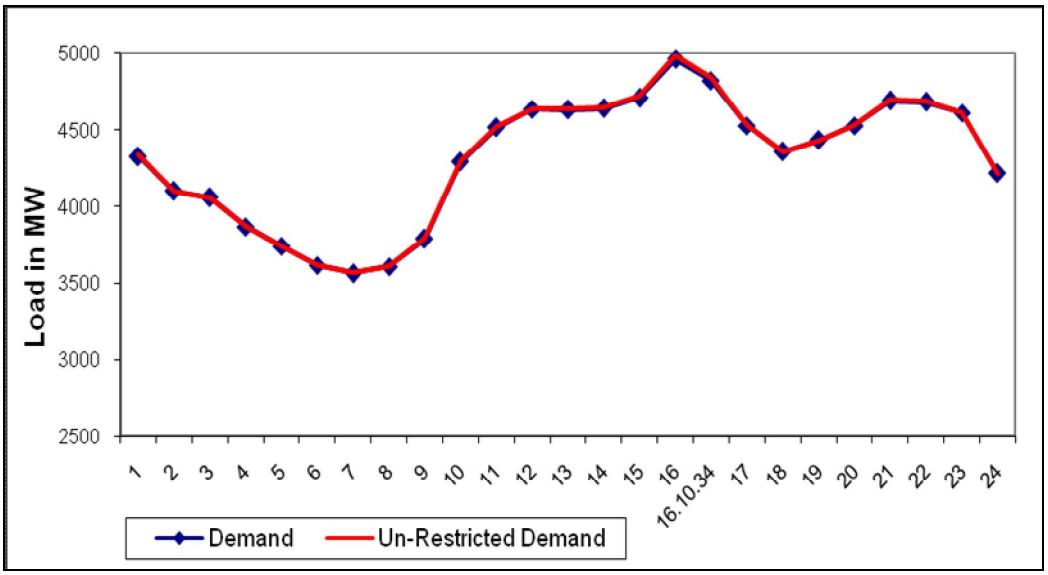
Hrs.	Demand	Load Shedding	Un-Restricted Demand
01.00	4327	9	4336
02.00	4098	0	4098
03.00	4059	0	4059
04.00	3869	0	3869
05.00	3744	0	3744
06.00	3618	0	3618
07.00	3567	0	3567
08.00	3609	0	3609
09.00	3788	9	3797
10.00	4290	10	4300
11.00	4516	4	4520
12.00	4637	3	4640
13.00	4633	7	4640
14.00	4643	3	4646
15.00	4711	15	4726
16.00	4960	20	4980
16:04:28	**4994**	20	5014
17.00	4822	17	4839
18.00	4531	0	4531
19.00	4359	0	4359
20.00	4432	0	4432
21.00	4528	2	4530
22.00	4692	4	4696
23.00	4682	9	4691
24.00	4612	0	4612
ENERGY IN MUS	**99.871**	**0.148**	**100.019**



11 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UN-RESTRICTED DEMAND DURING JUNE 2011 ON 24.06.2011 –5014MW at 16:04:28HRS.

All figures in MW

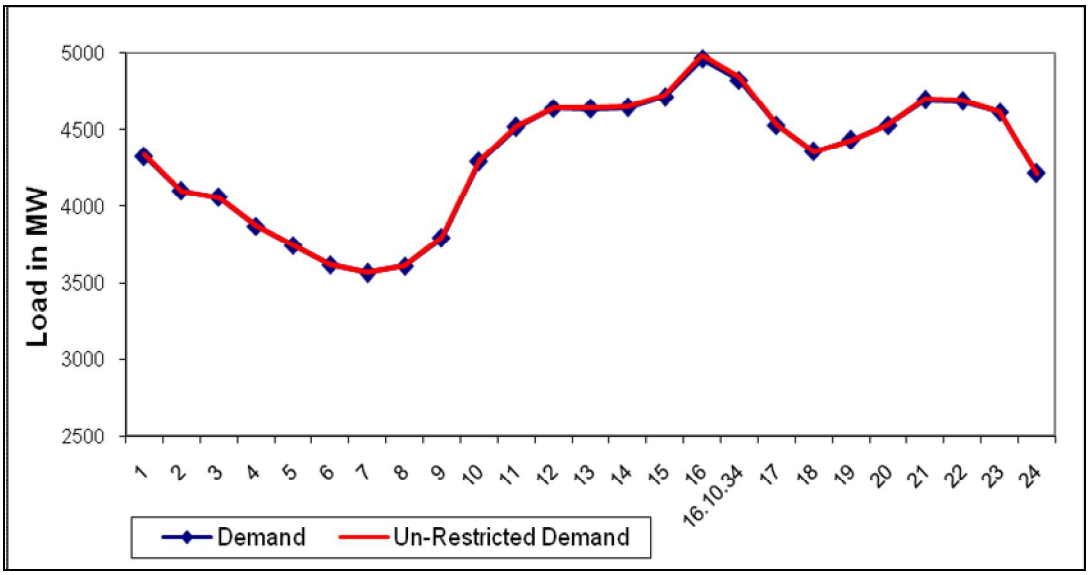
Hrs.	Demand	Load Shedding	Un-Restricted Demand
01.00	4327	9	4336
02.00	4098	0	4098
03.00	4059	0	4059
04.00	3869	0	3869
05.00	3744	0	3744
06.00	3618	0	3618
07.00	3567	0	3567
08.00	3609	0	3609
09.00	3788	9	3797
10.00	4290	10	4300
11.00	4516	4	4520
12.00	4637	3	4640
13.00	4633	7	4640
14.00	4643	3	4646
15.00	4711	15	4726
16.00	4960	20	4980
16:04:28	4994	20	**5014**
17.00	4822	17	4839
18.00	4531	0	4531
19.00	4359	0	4359
20.00	4432	0	4432
21.00	4528	2	4530
22.00	4692	4	4696
23.00	4682	9	4691
24.00	4612	0	4612
ENERGY IN MUS	**99.871**	**0.148**	**100.019**



12 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM ENERGY CONSUMED DURING JUNE 2011 – 24.06.2011 – 99.871 Mus

All figures in MW

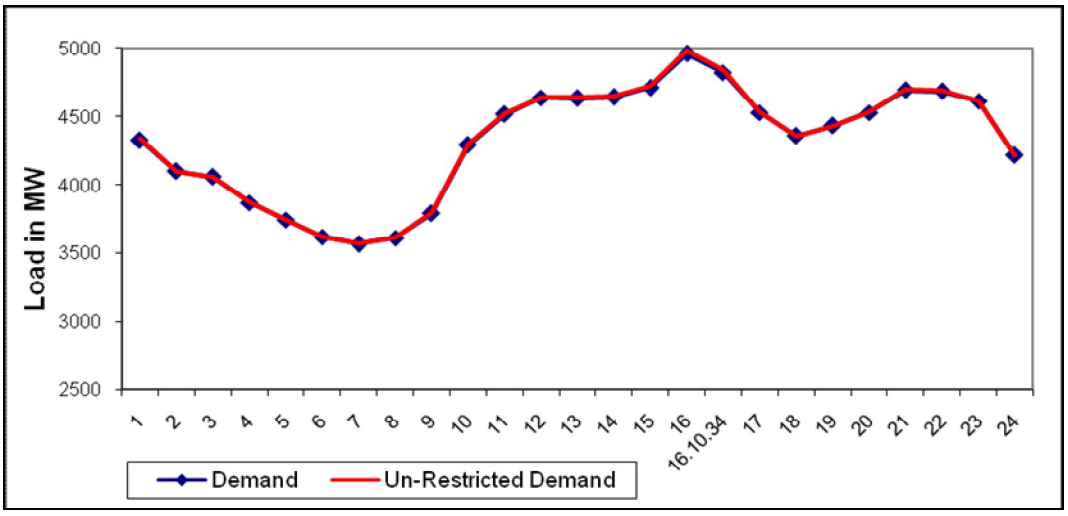
Hrs.	Demand	Load Shedding	Un-Restricted Demand
01.00	4327	9	4336
02.00	4098	0	4098
03.00	4059	0	4059
04.00	3869	0	3869
05.00	3744	0	3744
06.00	3618	0	3618
07.00	3567	0	3567
08.00	3609	0	3609
09.00	3788	9	3797
10.00	4290	10	4300
11.00	4516	4	4520
12.00	4637	3	4640
13.00	4633	7	4640
14.00	4643	3	4646
15.00	4711	15	4726
16.00	4960	20	4980
17.00	4822	17	4839
18.00	4531	0	4531
19.00	4359	0	4359
20.00	4432	0	4432
21.00	4528	2	4530
22.00	4692	4	4696
23.00	4682	9	4691
24.00	4612	0	4612
ENERGY IN MUS	**99.871**	**0.148**	**100.019**



13 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UNRESTRICTED ENERGY DEMAND DURING JUNE 2011 – 24.06.2011 – 100.019Mus

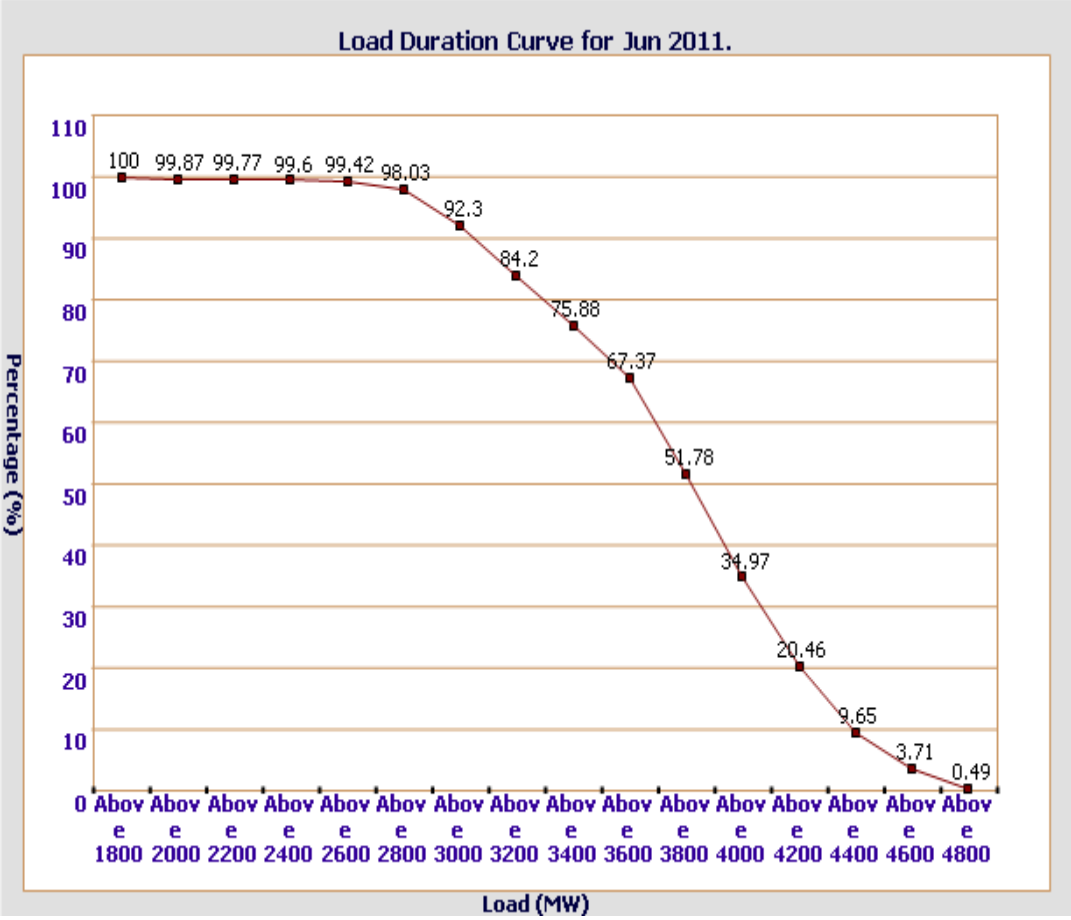
All figures in MW

Hrs.	Demand	Load Shedding	Un-Restricted Demand
01.00	4327	9	4336
02.00	4098	0	4098
03.00	4059	0	4059
04.00	3869	0	3869
05.00	3744	0	3744
06.00	3618	0	3618
07.00	3567	0	3567
08.00	3609	0	3609
09.00	3788	9	3797
10.00	4290	10	4300
11.00	4516	4	4520
12.00	4637	3	4640
13.00	4633	7	4640
14.00	4643	3	4646
15.00	4711	15	4726
16.00	4960	20	4980
17.00	4822	17	4839
18.00	4531	0	4531
19.00	4359	0	4359
20.00	4432	0	4432
21.00	4528	2	4530
22.00	4692	4	4696
23.00	4682	9	4691
24.00	4612	0	4612
ENERGY IN MUS	**99.871**	**0.148**	**100.019**



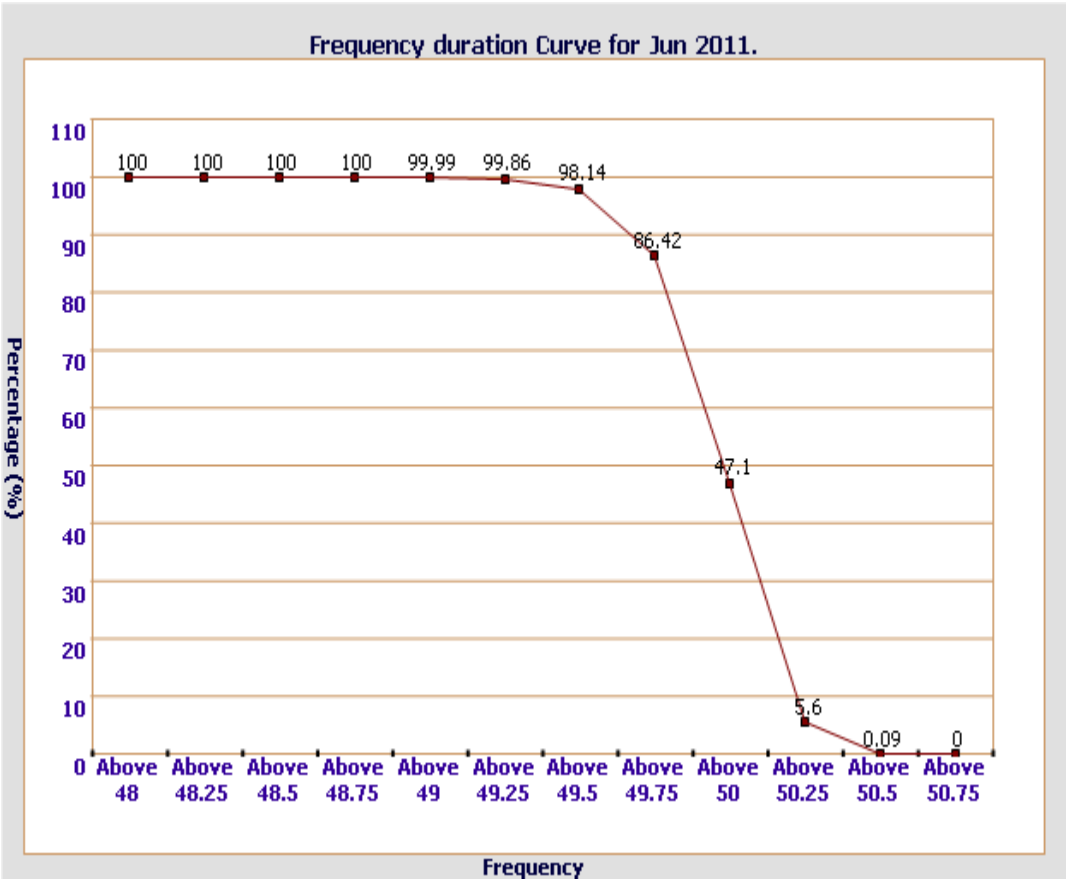
14 LOAD DURATION CURVE FOR JUNE 2011

Load in MW	Percentage of Time
Above 1800	100 %
Above 2000	99.87 %
Above 2200	99.77 %
Above 2400	99.6 %
Above 2600	99.42 %
Above 2800	98.03 %
Above 3000	92.3 %
Above 3200	84.2 %
Above 3400	75.88 %
Above 3600	67.37 %
Above 3800	51.78 %
Above 4000	34.97 %
Above 4200	20.46 %
Above 4400	9.65 %
Above 4600	3.71 %
Above 4800	0.49 %



15 FREQUENCY ANALYSIS FOR THE MONTH OF JUNE 2011

Frequency Range in Hz.	Percentage of time
Above 48.75	100 %
Above 49	99.99 %
Above 49.25	99.86 %
Above 49.5	98.14 %
Above 49.75	86.42 %
Above 50	47.1 %
Above 50.25	5.6 %
Above 50.5	0.09 %
Above 50.75	0 %



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

All figures in kV

Date	NARELA		GAZIPUR	
	Max	Min	Max	Min
1-Jun -11	236.27	217.83	229.44	213.70
2-Jun -11	243.62	219.76	232.15	215.77
3-Jun -11	233.18	217.06	228.15	215.64
4-Jun -11	--	--	--	--
5-Jun -11	232.53	220.41	228.92	214.35
6-Jun -11	--	--	--	--
7-Jun -11	230.60	213.19	226.21	211.12
8-Jun -11	231.89	215.12	226.73	212.80
9-Jun -11	232.53	214.09	226.73	213.06
10-Jun -11	242.20	218.86	235.76	214.48
11-Jun -11	234.47	219.76	227.63	212.15
12-Jun -11	233.95	218.86	229.18	212.41
13-Jun -11	231.11	216.54	225.31	211.77
14-Jun -11	227.37	--	225.70	--
15-Jun -11	--	--	--	--
16-Jun -11	231.89	210.87	228.02	--
17-Jun -11	232.79	214.61	227.63	--
18-Jun -11	232.53	--	228.66	212.15
19-Jun -11	229.31	219.25	226.34	214.35
20-Jun -11	231.11	213.83	226.34	210.48
21-Jun -11	--	--	--	--
22-Jun -11	226.99	212.03	226.21	210.61
23-Jun -11	--	--	--	--
24-Jun -11	230.21	210.74	225.57	209.45
25-Jun -11	229.18	214.09	226.86	--
26-Jun -11	235.63	218.47	230.21	215.64
27-Jun -11	231.11	214.09	226.73	213.96
28-Jun -11	--	--	--	--
29-Jun -11	231.24	221.05	227.37	217.83
30-Jun -11	232.79	216.93	228.66	214.09

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

All figures in kV

Date	400kV Bamnauli Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
1-Jun -11	420.44	--	391.13	23.12.03	404.56
2-Jun -11	426.07	03.37.57	393.47	23.13.51	408.15
3-Jun -11	417.16	07.08.47	375.18	19.13.45	404.29
4-Jun -11	--	--	--	--	--
5-Jun -11	414.34	18.04.40	389.72	23.20.37	402.44
6-Jun -11	--	--	--	--	--
7-Jun -11	413.17	19.19.03	381.51	16.24.54	398.26
8-Jun -11	413.64	07.06.34	386.91	15.38.56	402.91
9-Jun -11	414.58	07.05.33	390.91	14.37.02	402.37
10-Jun -11	429.59	05.56.32	391.13	14.59.38	406.89
11-Jun -11	415.05	04.02.05	389.02	14.10.40	403.32
12-Jun -11	418.56	08.05.25	387.85	23.08.30	405.77
13-Jun -11	412.00	08.02.02	389.25	14.17.23	400.55
14-Jun -11	412.23	07.37.07	386.44	00.05.59	398.69
15-Jun -11	--	--	--	--	--
16-Jun -11	417.86	--	383.16	14.47.53	401.03
17-Jun -11	415.52	08.03.33	388.78	00.09.00	403.13
18-Jun -11	416.22	06.06.31	390.19	14.46.07	404.55
19-Jun -11	413.41	06.04.10	392.07	23.18.31	404.78
20-Jun -11	412.47	08.05.45	386.44	14.51.06	399.70
21-Jun -11	--	--	--	--	--
22-Jun -11	412.00	07.03.08	384.56	12.09.15	396.16
--23-Jun -11	--	--	--	--	--
24-Jun -11	413.87	07.01.47	379.64	14.17.41	395.68
25-Jun -11	415.05	07.49.44	386.44	11.44.15	401.45
26-Jun -11	422.08	06.07.23	394.65	00.11.03	409.01
27-Jun -11	414.81	07.5.18	391.36	14.49.23	399.96
28-Jun -11	--	--	--	--	--
29-Jun -11	415.52	04.01.27	399.34	00.31.55	407.55
30-Jun -11	419.03	03.55.32	394.65	14.37.58	406.34

Date	400kV Bawana Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
1-Jun -11	421.38	--	392.77	23.11.53	406.26
2-Jun -11	426.77	03.37.57	395.58	23.14.01	409.54
3-Jun -11	417.86	07.08.57	396.29	23.10.47	405.86
4-Jun -11	--	--	--	--	--
5-Jun -11	416.69	18.04.40	393.71	23.24.07	405.12
6-Jun -11	--	--	--	--	--
7-Jun -11	413.41	19.19.03	385.27	14.15.43	399.51
8-Jun -11	413.17	04.00.43	390.19	15.38356	404.27
9-Jun -11	414.81	07.05.43	392.07	12.42.44	404.11
10-Jun -11	429.82	05.56.12	394.41	14.59.08	408.63
11-Jun -11	415.98	04.02.15	391.36	14.12.40	404.94
12-Jun -11	419.74	08.05.45	391.13	23.08.30	407.47
13-Jun -11	412.70	08.02.02	392.30	14.16.53	402.37
14-Jun -11	413.17	07.37.07	--	--	400.61
15-Jun -11	--	--	--	--	--
16-Jun -11	418.10	--	388.55	14.44.23	403.83
17-Jun -11	416.92	07.10.59	392.77	00.05.00	405.37
18-Jun -11	416.92	06.02.51	393.51	14.56.28	406.41
19-Jun -11	413.87	04.01.21	395.82	23.20.11	406.44
20-Jun -11	413.87	08.03.55	389.72	14.51.56	402.20
21-Jun -11	--	--	--	--	--
22-Jun -11	412.70	08.05.52	387.38	12.10.05	399.95
23-Jun -11	--	--	--	--	--
24-Jun -11	415.05	07.03.17	384.56	14.17.21	399.28
25-Jun -11	416.69	06.21.29	389.25	11.44.25	403.96
26-Jun -11	423.25	06.07.13	397.93	00.10.43	411.25
27-Jun -11	417.16	07.05.18	395.12	14.49.53	402.99
28-Jun -11	--	--	--	--	--
29-Jun -11	416.92	04.01.27	402.62	00.31.55	409.49
30-Jun -11	419.74	03.54.02	397.46	14.37.28	408.82

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 JUNE 2011

SL NO	OCCURRENCE OF BREAK DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
01	01.06.11	09.00	66/33KV 30MVA PR. TR.-II AT PARK STREET	01.06.11	17.35	TR. TRIPPED ON 86, REF, 64RLV.
02	01.06.11	15.57	220KV BAWANA – ROHINI CKT-II	01.06.11	16.00	CKT. TRIPPED DURING PROTECTION TESTING AT BAWANA.
03	01.06.11	20.10	66/33KV 30MVA PR. TR.-II AT PARK STREET	02.06.11	10.50	TR. TRIPPED ON 86, EE/F, 64R
04	03.06.11	12.40	220KV MANDOLA – GOPALPUR CKT-I	03.06.11	13.00	CKT. TRIPPED ON DIST PROT `RYB' PHASE ZONE-II AT MANDOLA. NO TRIPPING AT GOPALPUR.
05	03.06.11	22.42	220KV WAZIRABAD – GEETA COLONY CKT-II	04.06.11	10.25	CKT. TRIPPED ON DIST PROT `RYB' PHASE ZONE-I AT WAZIRABAD. TOP JUMPER OF TOWER NO.350 SNAPPED.
06	04.06.11	08.45	220/66KV 100MVA PR. TR.-III AT DSIDC BAWANA	04.06.11	09.28	TR. TRIPPED ON 86 ALONGWITH ITS 66KV I/C WHICH TRIPPED ON 86, 95, E/F.
07	04.06.11	08.45	66/11KV 20MVA PR. TR.-III AT DSIDC BAWANA	04.06.11	09.28	TR. TRIPPED ON 96 AUX.
08	05.06.11	03.04	220KV IP – PATPAR GANJ CKT-I	05.06.11	11.20	CKT. TRIPPED ON DIST PROT `BC' PHASE ZONE-I, 86X AT PATPARGANJ AND ON 186, DIRECTIONAL O/C, DIST PROT ZONE-I AT IP.
09	06.06.11	09.50	220/66KV 100MVA PR. TR.-II AT GOPALPUR	06.06.11	22.50	TR. TRIPPED ON DIFFERENTIAL, INSTANTANEOUS E/F RELAY ALONG WITH 66KV I/C-II WHICH TRIPPED ON O/C, E/F, 86
10	06.06.11	18.23	220KV MANDOLA – WAZIRABAD CKT-III	06.06.11	18.35	CKT. TRIPPED ON DIST PROT `RYB' PH ZONE-I AT WAZIRABAD AND ON DIST PROT `RYB' PH. ZONE-I AT MANDOLA.
11	09.06.11	04.38	220/66KV 100MVA PR. TR.-II AT NARELA	09.06.11	04.54	TR. TRIPPED ON 86 ALONGWITH ITRS 66KV I-II WHICH TRIPPED ON TRIP CKT. FAULTY.
12	09.06.11	13.06	220/33KV 100MVA PR. TR-IV AT OKHLA	09.06.11	13.06	TR. TRIPPED WITHOUT INDICAITON ALONG WITH 33KV I/C-III & IV. 33KV I/C-III TRIPPED ON 86, 51A AND I/C-IV TRIPPED ON O/C, 86.
13	09.06.11	16.35	220/33KV 100MVA PR. TR.-I & II AT IP	09.06.11	18.00	TR.-I TRIPPED WITHOUT INDICATION AND TR.-II TRIPPED ON O/C `B' PH. TR-I & II ENERGIZED AT 16.48HRS. AND 18.00HRS. RESPECTIVELY.
14	10.06.11	05.17	220KV BAWANA – ROHINI CKT-II	10.06.11	06.39	BUS BAR PROTECITON OPERATED ON 220KV BUS-II
15	10.06.11	05.17	220/66KV 100MVA PR. TR-III AT ROHINI	10.06.11	06.39	BUS BAR PROTECITON OPERATED ON 220KV BUS-II
16	10.06.11	05.42	220KV SARITA VIHAR – PRAGATI CKT.	10.06.11	06.55	CKT. TRIPPED ON DIST PROT 186A&B, DIST PROT `AB' PHASE AT SARITA VIHAR AND ON DIST PROT `ABC' PHASE ZONE-I AT PRAGATI.
17	10.06.11	05.42	220KV GEETA COLONY – PATPARGANJ CKT-II	10.06.11	06.15	CKT. TRIPPED ON DIST PROT `ABC' PHASE AT GEETA COLONY.
18	10.06.11	05.28	220/33KV 100MVA PR. TR.-I & II AT IP	10.06.11	06.35	BOTH TRS TRIPPED ON 86. TR.-I & II CHARGED AT 06.25HRS. AND 06.35HRS. RESPECTIVELY.
19	10.06.11	06.25	220KV GEETA COLONY – PATPARGANJ CKT-II	10.06.11	06.50	CKT. TRIPPED ON 186

SL NO	OCCURRENCE OF BREAK DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
20	10.06.11	05.28	220/66KV 100MVA PR. TR.-I AT VASANT KUNJ	10.06.11	06.19	TR. TRIPPED ON 86, E/F, 87CA ALONG WITH 66KV I/C-I WHICH TRIPPED ON 86.
21	10.06.11	12.36	220KV SARITA VIHAR – MAHARANI BAGH CKT.	10.06.11	12.44	CKT. TRIPPED ON DIST PROT `A' PHASE, 186X, ZONE-I AT SARITA VIHAR AND ON L1 TO N AT MAHARANI BAGH.
22	10.06.11	13.43	220KV SARITA VIHAR – MAHARANI BAGH CKT.	10.06.11	14.46	CKT TRIPPED DUE TO OPERATION OF BUS BAR PROTECTION AT SARITA VIHAR.
23	10.06.11	13.43	220KV SARITA VIHAR – PRAGATI CKT.	10.06.11	21.30	CKT TRIPPED DUE TO OPERATION OF BUS BAR PROTECTION AT SARITA VIHAR.
24	10.06.11	13.43	220KV BTPS – SARITA VIHAR CKT-II	10.06.11	14.46	CKT. TRIPPED ON DIST. PROT 186A&B, ZONE-III AT BOTH END.
25	10.06.11	13.43	220/66KV 100MVA PR. TR.-I & II AT SARITA VIHAR	10.06.11	15.55	BOTH TRF. TRIPPED DUE TO OPERATION OF BUS BAR PROT. TR-I & II CHARGED AT 14.31HRS. AND 15.55HRS. RESPECTIVELY.
26	10.06.11	15.56	220KV PATPARGANJ – GEETA COLONY CKT-I	10.06.11	16.04	CKT. TRIPPED ON DIST PROT `ABC' PHASE ZONE-I AT GEETA COLONY.
27	10.06.11	15.56	220KV IP – PATPAR GANJ CKT-I	10.06.11	16.08	CKT. TRIPPED ON DIST PROT `ABC' PHASE AT IP. NO TRIPPING AT PATPARGANJ.
28	10.06.11	20.31	220KV MAHARANI BAGH – SARITA VIHAR CKT.	10.06.11	21.30	CKT. TRIPPED ON DIST PROT ZONE-I AT MAHARANI BAGH. NO TRIPPING AT SARITA VIHAR.
29	11.06.11	08.05	220KV BTPS – NOIDA – GAZIPUR CKT.	11.06.11	21.05	CKT. TRIPPED WITHOUT INDICATION. CKT. TRIED TO CLOSE AT 08.10HRS. BUT AGAIN TRIPPED ON POLE DISCREPANCY.
30	14.06.11	18.24	400KV BAWANA – ABDULLAPUR CKT-I & II	14.06.11	19.05	BUS BAR PROTECTION OPERATED ON 400KV BUS-II DUE TO WHICH BREAKER NO,252 (400KV MUNDKA CKT-I), 452 (400KV MUNDKA CKT-II), 752 (ICT-III), 1052 (ICT-II), 1652(400KV MANDOLA CKT-I), 1852 (400KV MANDOLA CKT-II), 2152 (ICT-I), 2452 (PPLC CKT), 1252 (ABDULLAPUR CKT-I), 1152 (ABDULLAPUR CKT-I) TRIPPED. CKT.-I & II CHARGED AT 18.54HRS. AND 19.09HRS. RESPECTIVELY.
31	14.06.11	22.24	400KV MUNDKA – BAWANA CKT-I	15.06.11	00.39	BREAKER NO. 42052 TRIPPED ON LOW AIR PRESSURE AT MUNDKA..
32	14.06.11	22.38	400KV MUNDKA – BAMNAULI CKT-I	15.06.11	00.40	BREAKER NO.40252 TRIPPED ON 286LO AT MUNDKA.
33	14.06.11	22.55	220KV BTPS – OKHLA CKT-II	14.06.11	23.01	CKT. TRIPPED ON DIST PROT `ABC' PHASE ZONE-I, 86T AT OKHLA.
34	14.06.11	23.04	220KV MAHARANI BAGH – SARITA VIHAR CKT.	15.06.11	00.02	CKT. TRIPPED ON DIST PROT `A' PHASE AUTO RECLOSE LOCK OUT, AT SARITA VIHAR AND ON DIST PROT ZONE-I L1-N AT MAHARANI BAGH.
35	14.06.11	23.11	220/66KV 100MVA PR. TR.-I & II AT SARITA VIHAR	15.06.11	12.39	TR-I & II CHARGED AT 12.39HRS. AND 01.38HRS. ON 15.06.2011 RESPECTIVELY.
36	15.06.11	03.10	66/11KV 20MVA PR. TR.-III AT DSIDC BAWANA	15.06.11	16.00	TR. TRIPPED ON REF, 86, DIFFERENTIAL.
37	16.06.11	07.28	220KV BAWANA – NAJAFGARH CKT.	16.06.11	07.34	CKT. TRIPPED ON 186, 86 AT NAJAFGARH.

SL NO	OCCURRENCE OF BREAK DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
38	17.06.11	15.55	220KV MAHARANI BAGH – SARITA VIHAR CKT.	17.06.11	16.16	CKT. TRIPPED ON L-2 E/F, ZONE-I AT MAHARANI BAGH AND ON AUTO RECLOSE, 186A&B, AT SARITA VIHAR.
39	17.06.11	15.57	220KV BAWANA – ROHINI CKT-II	17.06.11	18.54	CKT. TRIPPED ON DIST PROT `AB' PHASE ZONE-II AT BAWANA. `R' PHASE LINE ISOLATOR JUMPER OF 220KV BAWANA CKT-II DAMAGED AT ROHINI.
40	18.06.11	06.50	33/11KV 20MVA PR. TR.-II AT GOPALPUR	18.06.11	19.20	TR. TRIPPED ALONGWITH 11KV I/C-II ON O/C.
41	18.06.11	08.17	66/11KV 20MVA PR. TR-I AT KANJHAWALA	18.06.11	08.27	TR. TRIPPED ON 30G, OLTC, 86, TR. TROUBLE ALARM ALONG WITH ITS 11KV I/C WHICH TRIPPED ON INTER TRIPPING.
42	18.06.11	11.37	66/11KV 20MVA PR. TR.-IV AT WAZIRABAD	18.06.11	13.50	TR. TRIPPED ON DIFFERENTIAL, 86 `R' PHASE, REF ALONG WITH ITS 11KV I/C WHICH TRIPPED WITHOUT INDICATION.
43	19.06.11	19.10	220KV GOPALPUR – SUBZI MANDI CKT-II	19.06.11	19.29	CKT. TRIPPED ON DIST PROT `RYB' PHASE ZONE-I AT GOPALPUR.
44	20.06.11	10.25	220KV MANDOLA – WAZIRABAD CKT-IV	20.06.11	11.16	CKT. TRIPPED ON DIST PROT `RY' PHASE ZONE-I AT MANDOLA AND ON DIST PROT `RYB' PH. ZONE-I AT WAZIRABAD.
45	21.06.11	10.31	220/33KV 100MVA PR. TR.-I AT GEETA COLONY	21.06.11	14.05	TR. TRIPPED ON BUCHLOZ, DIFFERENTIAL.
46	22.06.11	19.22	220KV GEETA COLONY – PATPARGANJ CKT-I	22.06.11	19.33	CKT. TRIPPED ON DIST PROT ABC' PHASE ZONE-I AT GEETA COLONY AND ON DIST PROT `ABC' PHASE ZONE-I, MASTER RELAY AT PATPARGANJ.
47	22.06.11	19.52	220KV MANDOLA – WAZIRABAD CKT-I & II	22.06.11	20.06	THE FOLLOWING TRIPPING OCCRRED : AT MANDOLA : WAZIRABAD CKT-I : DIST. PROT `C' PHASE ZONE-II WAZIRABAD CKT-II : DIST PROT `A' PHASE ZONE-I AT WAZIRABAD MANDOLA CKT-I : DIST PROT `RYB' PHASE ZONE-I MANDOLA CKT-II : DIST PROT RYB' PHASE ZONE-III CKT-I & II CHARGED AT 20.04HRS. AND 20.06HRS RESPECTIVELY.
48	22.06.11	22.57	220KV BTPS – NOIDA – GAZIPUR CKT.	24.06.11	12.11	CKT. TRIPPED ON AN, C-N, 86A, 86C, 186A&B AT BTPS. NO TRIPPING AT GAZIPUR
49	23.06.11	11.24	220/ 66KV 100MVA PR. TR.-I AT PATPARGANJ	23.06.11	11.34	TR. TRIPPED ON PRV, 86
50	23.06.11	19.35	220KV GEETA COLONY – PATPARGANJ CKT-I	23.06.11	20.18	CKT. TRIPPED ON DIST PROT `ABC' PHASE ZONE-I AT GEETA COLONY. NO TRIPPING AT PATPARGANJ.
51	24.06.11	06.30	220/33KV 100MVA PR. TR.-II AT PARK STREET	24.06.11	07.19	TR. TRIPPED ON 86 ALONG WITH ITS 33KV I/C WHICH TRIPPED ON E/F, 51, 86.
52	24.06.11	13.27	220KV BTPS – SARITA VIHAR CKT-I	24.06.11	13.40	CKT. TRIPPED WITHOUT INDICATION AT SARITA VIHAR.
53	24.06.11	17.00	220KV NARAINA – RIDGE VALLEY CKT.	24.06.11	17.24	CKT. TRIPPED ON 86, E/F AT RIDGE VALLEY.
54	24.06.11	19.46	220/33KV 100MVA PR. TR-I AT GEETA COLONY	24.06.11	20.21	BUS BAR PROTECTION OPERATED ON 220KV BUS-I AT GEETA COLONY

SL NO	OCCURRENCE OF BREAK DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
55	24.06.11	19.46	220KV GEETA COLONY – PATPARGANJ CKT-I	24.06.11	20.19	BUS BAR PROTECTION OPERATED ON 220KV BUS-I AT GEETA COLONY
56	24.06.11	19.46	220KV GEETA COLONY – WAZIRABAD CKT-I	24.06.11	20.18	BUS BAR PROTECTION OPERATED ON 220KV BUS-I AT GEETA COLONY
57	25.06.11	05.38	220KV NARAINA – RIDGE VALLEY CKT.	25.06.11	07.07	CKT. TRIPPED ON 86A&B, E/F AT RIDGE VALLEY.
58	25.06.11	07.47	220/33KV 100MVA PR. TR.-I & II AT GEETA COLONY	25.06.11	08.28	BOTH TRS. TRIPPED ON AUTO RECLOSE, OIL PRESSURE ALARM. TR-I & II CHARGED AT 08.15HRS. AND 08.28HRS. RESPECTIVELY.
59	25.06.11	14.01	220/33KV 100MVA PR. TR-II & III AT IP	25.06.11	17.55	TR-II.TRIPPED ON E/F AND TR.-III TRIPPED ON O/C, E/F TRIPPING OCCURRED DUE TO ELECTROCUTION OF MONKEY ON WEST BUS-I. TR.-II & III CHARGED AT 14.45HRS. AND 15.05HRS. RESPECTIVLEY.
60	25.06.11	21.34	220/33KV 100MVA PR. TR.-I AT PARK STREET	25.06.11	21.55	TR. TRIPPED ON 86 ALONGWITH ITS 33KV I/C WHICH TRIPPED ON 51A, O/C `A' PHASE, 86
61	26.06.11	06.00	220/33KV 100MVA PR. TR.-II AT SHALIMAR BAGH	26.06.11	10.19	TR. TRIPPED ON 30 SUDDEN PRESSURE, 86 ALONG WITH ITS 33KV I/C-II WHICH TRIPPED ON 86.
62	26.06.11	08.58	400KV MUNDKA – BAMNAULI CKT-I	26.06.11	09.15	CB-40252 OF THE CKT. TRIPPED ON 286 (AIR LOCK OUT) AT MUNDKA.
63	26.06.11	10.44	400KV MUNDKA – BAMNAULI CKT-I	26.06.11	15.55	CB-40252 OF THE CKT. TRIPPED ON POLE DISCREPANCY AT MUNDKA.
64	26.06.11	12.10	220KV WAZIRABAD – GEETA COLONY CKT-I	26.06.11	12.29	CKT. TRIPPED ON ACTIVE GROUP-I, DIST PROT `ABC' PHASE ZONE-I AT GEETA COLONY AND ON DIST PROT ZONE-I AT WAZIRABAD.
65	26.06.11	22.14	220/33KV 100MVA PR. TR.-I AT LODHI ROAD	26.06.11	23.06	TR. TRIPPED ON AUTO RECLOSE, BUCHLOZ, 86, O/C `R' PHASE E/F ALONG WITH 33KV I/C-I WHICH TRIPPED WITHOUT INDICATION.
66	27.06.11	14.45	220/66KV 100MVA PR. TR.-I AT GAZIPUR	27.06.11	15.20	TR. TRIPPED WITHOUT INDICATION.
65	28.06.11	08.47	220/66KV 100MVA PR. TR.-II AT PAPPANKALAN-II	28.06.11	09.20	TR. TRIPPED ON 86, LBB PROTECTION ALONG WITH ITS 66KV I/C-II WHICH TRIPPED ON SAME INDICATION.
66	29.06.11	00.05	220KV BAMNAULI – NAJAFGARH CKT-I & II	29.06.11	00.29	BOTH CKTS TRIPPED ON BACK UP TRIP, 86, 30V, 186A&B AT BAMNAULI.
67	29.06.11	00.05	220KV BAMNAULI – NARAINA CKT.-I & II	29.06.11	00.26	BOTH CKTS TRIPPED ON BACK UP TRIP, 86 3V, 186A&B AT NARAINA.
68	29.06.11	03.08	220/33KV 100MVA PR. TR.-I AT PARK STREET	29.06.11	03.35	TR. TRIPPED ON BUCHLOZ, 86A ALONG WITH 33KV I/C-I WHICH TRIPPED WITHOUT INDICATION.
69	30.06.11	11.41	400KV MUNDKA – JHAJJAR CKT-II	02.07.11	15.29	CB-41152 OF THE CKT. TRIPPED ON TRIP CKT. FAULTY AT MUNDKA.

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

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