DELHI TRANSCO LTD.

STATE LOAD DISPATCH CENTER

PROGRESS REPORT

****

JUNE - 2010

1 SALIENT FEATURES OF DELHI POWER SYSTEM

Sr. No.	Features	JUNE 2010	JUNE 2009
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
	Total	1440	1440
2	**Maximum Unrestricted Demand (MW)**	**4809**	**4502**
	Date	24.06.10	29.06.09
	Time	15.24.24	15.30.00
3	**Peak Demand met (MW)**	**4668**	**4337**
	Date	21.06.10	30.06.09
	Time	15.34.02	16.04.33
4	Peak Availability (MW)	4924	3829
5	Shortage (-) / Surplus (+) in MW	(+)256	(-)508
6	Percentage Shortage (-) / Surplus (+)	5.48	(-)11.71
7	Maximum Energy Consume in a day (Mus)	92.955	85.843
8	Energy Consumed during the month	**2473.955**	**2350.703**
9	**Load Shedding in Mus**		
A)	Due to Grid Restrictions		
i)	Under Frequency Relay Operations	0.043	2.385
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	0.138	1.065
	BRPL	0.128	22.082
	BYPL	0.219	5.335
	NDMC	0.000	0.000
	MES	0.000	0.000
iv)	Due to transmission Constraints in Central Sector	0.000	1.020
	Total due to Grid Restriction	**0.528**	31.887
B)	Due to Constraints in System in Mus		
	DTL	5.670	2.311
	NDPL	0.500	1.840
	BRPL	2.043	1.993
	BYPL	0.972	0.340
	NDMC	0.040	0.000
	MES	0.000	0.000
	Other Agencies	0.602	1.775
	Total	**9.827**	**8.259**
11	**Grand Total in Mus**	**10.355**	**40.146**

2. PERFORMANCE OF GENERATING STATIONS WITHIN DELHI DURING JUNE 2010

A) For the month of June 2010

All Figures in MUs

S. No	Stations	Gross Generation	Aux. Consumption	Net Generation	Availability (%)	Backing Down
1.	**RPH**	47.81600	5.83000	41.98600	88.77	0.00000
2.	**GT**	132.07900	4.85200	127.22700	83.41	25.41825
3.	**PPCL**	209.85000	5.96600	203.88400	88.77	2.82575
4.	**BTPS**	411.02762	45.21304	365.81458	93.56	67.55975
	TOTAL	**800.77262**	**61.86104**	**738.91158**		**95.80375**

B) For the Year 2009-10 (Upto June 2010)

Power Station	Effective Capacity (MW)	Net Generation in MUs For June 2010	Availability (%) For June 2010	PLF (%) For June 2010	Cumulative Generation in MUs upto June 2010 for the year 2010-11	Cumulative Availability in % upto June 2010 for the year 2010-11	Cumulative PLF in % upto June 2010 for the year 2010-11
RPH	135	41.98600	88.77	49.38	141.68400	89.05	54.49
GT	270	127.22700	83.41	69.93	370.59700	73.87	67.92
PPCL	330	203.88400	88.77	87.83	619.01200	89.05	87.99
BTPS	705	365.81458	93.56	78.60	1152.32038	87.43	80.23
TOTAL	**1440**	**738.91158**			**2283.61338**		

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	02.04.10	01.00	02.04.10	01.43	Boiler drum level low
		02.04.10	14.50	02.04.10	16.27	Tripped alongwtih trippings of associated transmission lines.
		11.04.10	22.13	11.04.10	23.08	Electrical Problem
		17.04.10	00.56	26.06.10	11.53	Planned shut-down for over-hauling of generator.
		26.06.10	12.56	26.06.10	14.25	Furnace pressure very low.
		27.06.10	14.28	30.06.10	23.59	Drum level low.
2	67.5	02.04.10	14.55	02.04.10	16.45	Tripped along wtih trippings of associated transmission lines.
		20.04.10	13.42	21.04.10	17.12	Low furnace pressure
		28.04.10	18.39	28.04.10	19.23	Low vacuum
		01.05.10	18.15	01.05.10	20.52	Tripped along wtih trippings of associated transmission lines.
		05.05.10	06.45	05.05.10	08.12	Furnace pressure low
		08.05.10	17.28	08.05.10	18.29	Drum level low
		09.05.10	03.48	09.05.10	05.17	Flame failure
		26.05.10	12.25	26.05.10	14.20	33kV bus differential operated
		28.05.10	05.55	29.05.10	07.17	Drum level low
		02.06.10	06.25	02.06.10	07.24	Electrical problem
		13.06.10	15.42	13.06.10	18.39	Tripped along wtih trippings of associated transmission lines.
		22.06.10	07.48	22.06.10	09.09	Furnace pressure low

(B) Gas Turbine

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	30	11.05.10	17.58	11.05.10	20.07	FSNL due to tripping of 160 MVA Txr. Buchholz and E/F
		15.05.10	14.02	15.04.10	15.34	To attend the hot spot
		28.05.10	05.22	28.05.10	22.15	Due to heavy blast in 11 KV Breaker
		30.05.10	12.55	31.05.10	11.12	Stopped due to high under drawal at high frequency.
		07.06.10	09.22	08.06.10	21.08	
		10.06.10	00.10	10.06.10	08.07	Due to overloading of 160 MVA Tx
2	30	11.05.10	17.58	11.05.10	20.30	FSNL due to tripping of 160 MVA Txr. Buchholz and E/F
		30.05.10	13.45	31.05.10	09.19	Machine stopped to avoid overloading of 160 Mva Tx as one 100MVA Transformer was under replacement with 160MVA Tx at IP Extension
		07.06.10	14.19	07.06.10	18.55	
		20.06.10	08.35	20.06.10	11.02	Tripped without any alarm
3	30	01.05.10	06.05	01.05.10	18.35	Stopped to clean PHE
		28.05.10	10.20	28.05.10	11.27	Tripped on battery under voltage.
		01.06.10	23.55	02.06.10	08.28	To avoid overloading of 160 MVA Tx.

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
3	**30**	04.06.10	12.02	04.06.10	16.04	Tripped on condensate level high.
		06.06.10	09.42	07.06.10	14.10	To avoid overloading of 160 Mva Tx as one 100MVA Tx was under replacement with 160MVA Tx at IP Extension
		14.06.10	09.24	14.06.10	11.08	
4	**30**	01.04.10	00.00	24.05.10	15.35	Planned shut-down
		24.05.10	18.02	24.05.10	22.50	Tripped on LTTH high.
		27.05.10	10.35	27.05.10	13.45	Take on FSNL to adjust the load.
		28.05.10	01.10	28.05.10	03.00	Tripped without any alarm.
		29.05.10	03.10	29.05.10	03.45	Tripped without any alarm.
		29.05.10	05.10	29.05.10	05.57	Tripped without any alarm.
		29.05.10	20.25	29.05.10	21.25	Came on FSNL
		03.06.10	14.10	03.06.10	15.30	Machine tripped on Generator Stator overheating alarm
		05.06.10	05.46	07.06.10	08.29	To avoid overloading of 160 Mva Tx as one 100MVA Tx was under replacement with 160MVA Tx at IP Extension
		28.06.10	01.10	28.06.10	01.50	Came on FSNL
		29.06.10	14.50	29.06.10	16.10	Tripped without any alarm
5	**30**	01.04.10	00.00	01.04.10	01.30	Hydraulic pressure low
		25.04.10	11.32	25.04.10	14.55	To change generator absolute filter.
		07.05.10	18.20	08.05.10	16.35	Stopped due to high frequency.
		01.06.10	20.50	01.06.10	23.16	GT came on FSNL
		03.06.10	01.15	03.06.10	08.09	To avoid overloading of 160 Mva Tx as one 100MVA Tx was under replacement with 160MVA Tx at IP Extension
		03.06.10	20.15	04.06.10	08.33	
		07.06.10	21.43	09.06.10	15.45	
		25.06.10	09.40	25.06.10	15.25	
		26.06.10	00.05	26.06.10	05.56	
		26.06.10	09.50	28.06.10	12.20	
6	**30**	16.04.10	11.35	16.04.10	17.16	To clean PHE of GT
		05.05.10	09.03	05.05.10	15.32	Stopped for PHE cleaning.
		08.05.10	18.02	10.05.10	09.30	Stopped due to high frequency.
		11.05.10	17.58	11.05.10	20.10	FSNL due to tripping of 160 MVA Txr. Buchholz and E/F
		24.05.10	16.45	24.05.10	21.13	Taken on FSNL to facilitate checking of auto synch. Mode.
		25.05.10	11.00	25.05.10	12.00	
		27.05.10	14.12	27.05.10	14.55	
		28.05.10	05.22	28.05.10	16.10	Due to blast in 11 KV Breaker
		29.05.10	17.42	30.05.10	09.55	Stopped due to high frequency.
		03.06.10	14.42	03.06.10	15.29	Machine came on FSNL and following alarm appeared Combustion trouble and flame detector trouble
		04.06.10	22.32	05.06.10	06.45	To avoid overloading of 160 Mva Tx as one 100MVA Tx was under replacement with 160MVA Tx at IP Extension
		07.06.10	19.55	09.06.10	14.35	
		25.06.10	18.53	28.06.10	18.50	Gas fuel control oil pressure low.
		30.06.10	17.05	30.06.10	18.58	Stopped as required by Protection Deptt
STG1	**34**	07.04.10	12.55	07.04.10	17.35	To attend dearater level problem
		12.04.10	11.52	12.04.10	12.32	Lube oil header pressure low
		11.05.10	17.58	11.05.10	21.35	Tripped due to tripping of GT#2.
		19.05.10	23.25	20.05.10	03.25	Failure of supply of Turbine panel

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG1	34	28.05.10	05.22	28.05.10	15.57	Due to blast in 11 KV Breaker
		30.05.10	13.45	31.05.10	12.46	Stopped due to high frequency.
		07.06.10	14.22	07.06.10	21.35	To avoid overloading of 160 Mva Tx as one 100MVA Tx was under replacement with 160MVA Tx at IP Extension
		29.06.10	15.32	29.06.10	16.50	Tripped without any alarm
STG2	34	15.04.10	11.15	15.04.10	18.40	To attend leakage in CPH linie
		01.05.10	06.05	01.05.10	20.30	Stopped as GT#3 stopped for cleaning of PHE
		11.05.10	14.46	11.05.10	20.34	Stopped due to leakage in SRV.
		17.05.10	19.05	17.05.10	20.55	Due to non availability of the BFPs.
		24.05.10	10.50	26.05.10	22.00	Stopped for condenser backwashing and other leakages
		28.05.10	05.22	28.05.10	08.25	Due to blast in 11 KV Breaker
		01.06.10	10.23	01.06.10	10.40	Low vacuum due to tripping of CEP.
		06.06.10	09.42	07.06.10	12.55	To avoid overloading of 160 Mva Tx as one 100MVA Tx was under replacement with 160MVA Tx at IP Extension
		14.06.10	07.32	14.06.10	15.05	Tripped on CH-I & II
STG3	34	02.04.10	03.25	07.04.10	05.28	Axial shift alarm appeared
		07.04.10	07.35	07.04.10	07.58	Lube oil pressure low
		09.07.10	21.20	09.04.10	22.32	Plunger coil trip alam
		29.04.10	11.06	29.04.10	15.15	Plunger coil trip alam
		05.05.10	09.05	05.05.10	17.32	Stopped to attend various leakages
		11.05.10	17.58	11.05.10	20.34	FSNL due to tripping of 160 MVA Txr. Buchholz and E/F
		18.05.10	07.05	18.05.10	17.58	Stopped to attend Various leakages
		18.05.10	18.34	18.05.10	18.55	Tripped on Control oil header pressure very low. Both the Boiler trip alarm also appeared.
		18.05.10	19.35	18.05.10	22.25	
		28.05.10	05.22	28.05.10	10.58	Due to blast in 11 KV Breaker
		29.05.10	17.42	30.05.10	13.37	Stopped due to high frequency.
		07.06.10	21.43	09.06.10	17.25	To avoid overloading of 160 Mva Tx as one 100MVA Tx was under replacement with 160MVA Tx at IP Extension
		25.06.10	18.53	28.06.10	23.59	Tripped due to tripping of GT#6

(C) PRAGATI STATION

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	104	01.05.10	18.16	01.05.10	20.10	Tripped alongwtih trippings of associated transmission lines.
		23.05.10	09.45	23.05.10	15.41	Due to shut-down of 220kV Bus-II at IP Extension.
		09.06.10	17.38	09.06.10	22.56	Internal fault.
		13.06.10	15.38	13.06.10	16.55	Tripped alongwtih trippings of associated transmission lines.
2	104	09.06.10	15.41	09.06.10	16.50	Mark-V fuse tripped.
STG	122	02.04.10	14.50	02.04.10	16.34	Tripped due to tripping of associated transmission lines
		01.05.10	18.16	01.05.10	19.50	
		12.05.10	15.53	12.05.10	17.00	
		14.05.10	15.32	14.05.10	16.27	Tripped due to tripping of associated transmission lines
		13.06.10	15.38	13.06.10	17.40	

(D) BADARPUR THERMAL POWER STATION

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	95	05.04.10	22.04	06.04.10	21.40	Maintenance work
		23.04.10	16.09	23.04.10	21.50	Electrical fault
		01.05.10	19.09	02.05.10	20.04	Generation back down due to low demand and high frequency.
		11.05.10	21.37	12.05.10	12.53	Electrical problem
		25.05.10	03.50	11.06.10	14.30	Excel shaft high
2	95	07.05.10	19.45	10.05.10	08.16	Generation back down due to low demand and high frequency.
		20.05.10	11.35	22.05.10	22.40	Boiler Tube Leakage
		05.06.10	14.31	07.06.10	07.55	Generation back down due to low demand and high frequency.
3	95	03.04.10	00.18	03.04.10	05.20	Protection failure
		09.04.10	12.50	09.04.10	16.17	Vacuum low
		30.04.10	02.04	30.04.10	24.00	Annual maintenance
		29.06.10	22.56	03.07.10	19.02	Boiler Tube Leakage
4	210	23.04.10	07.02	24.04.10	19.55	Water valve leakage
		04.05.10	12.29	05.05.10	13.39	Boiler Tube Leakage
		12.05.10	23.25	13.05.10	18.32	Boiler Tube Leakage
		17.05.10	00.28	17.05.10	17.50	Boiler Tube Leakage
		19.05.10	12.43	20.05.10	03.02	Boiler Tube Leakage
		21.05.10	08.00	22.05.10	05.56	Boiler Tube Leakage
		22.05.10	06.57	22.05.10	07.49	Electrical Problem
		27.05.10	20.33	31.05.10	12.14	Boiler Tube Leakage
		07.06.10	16.20	14.6.10	12.52	Generation back down due to heavy under drawal and high frequency
		19.06.10	19.43	20.06.10	19.10	Boiler Tube Leakage
5	210	02.04.10	16.29	03.04.10	20.22	Boiler tube leakage
		17.04.10	22.30	18.04.10	12.20	Boiler tube leakage
		09.05.10	17.40	09.05.10	19.48	Tripped on jerk due to tripping of 220kV Ballabhgarh – BTPS Ckts and 220kV BTPS – Alwar Ckt.
		13.05.10	17.58	13.05.10	20.11	Furnace problem

4 ALLOCATION OF POWER TO DELHI

A) Allocation from Unallocated quota of Central Sector Generating Stations to Delhi w.e.f. 14.05.2010

i) TIME BLOCK - 00.00-10.00hrs. and 23.00hrs. - 24.00hrs @ 0%

All figures in MW

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	490	0	441	383	0	0	383
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	**8292**	**1005**	**1880**	**1646**	**0**	**0**	**1646**
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
Dhauli Ganga HEP	280	42	37	35	0	0	35
Dulhasti HEP	390	58	50	48	0	0	48
TOTAL	**2954**	**154**	**335**	**318**	**0**	**0**	**318**
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	**15066**	**1601**	**2563**	**2267**	**0**	**0**	**2267**
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**
Grand Total	**21276**	**1754**	**2852**	**2508**	**0**	**0**	**2508**

ii) Time Block 10.00HRS. - 18.00hrs. to 23.00hrs. @ 8% Un-allocated quota of Central Sector Generating Stations (without RAPP Unit-3 & 4)

All figures in MW

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	19	17	147
Rihand	1000	150	100	87	10	8	95
Rihand Stage -II	1000	150	126	109	10	8	118
ANTA GPS	419	63	44	41	4	4	45
Auriya GPS	663.36	99	72	67	4	4	71
Dadri GPS	829.78	129	91	85	4	3	88
Dadri NCTPS (Th)	840	0	756	657	0	0	657
Dadri NCTPS (Th) Stage-II	490	0	441	383	0	0	383
Unchahaar-I TPS	420	20	24	21	1	1	22
Unchahaar-II TPS	420	63	47	41	4	4	44
Unchahaar-III TPS	210	31	29	25	2	2	27
TOTAL	**8292**	**1005**	**1880**	**1646**	**58**	**51**	**1697**
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	5	4	42
URI HEP	480	0	53	50	0	0	50
Dhauli Ganga HEP	280	42	37	35	3	3	38
Dulhasti HEP	390	58	50	48	4	4	51
TOTAL	**2954**	**154**	**335**	**318**	**11**	**11**	**329**
NPC							
Narora APS	440	64	47	41	4	4	44
RAPP(B) Unit-3 APS	220	33	0	0	0	0	0
RAPP(B) Unit-4 APS	220	33	0	0	0	0	0
RAPP (C)	440	64	56	49	7	6	54
TOTAL	**1320**	**194**	**103**	**89**	**11**	**9**	**99**
SVJNL							
Nathpa Jhakri HEP	1500	149	142	123	9	9	132
THDC							
Tehri Hydro	1000	99	103	89	6	6	95
Total	**15066**	**1601**	**2563**	**2267**	**95**	**86**	**2352**
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**
Grand Total	**21276**	**1754**	**2852**	**2508**	**95**	**86**	**2594**

iii) Time Block 10.00HRS. - 18.00hrs. to 23.00hrs. @ 8% Un-allocated quota of Central Sector Generating Stations (with RAPP Unit-3 & 4)

All figures in MW

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	19	17	147
Rihand	1000	150	100	87	10	8	95
Rihand Stage -II	1000	150	126	109	10	8	118
ANTA GPS	419	63	44	41	4	4	45
Auriya GPS	663.36	99	72	67	4	4	71
Dadri GPS	829.78	129	91	85	4	3	88
Dadri NCTPS (Th)	840	0	756	657	0	0	657
Dadri NCTPS (Th) Stage-II	490	0	441	383	0	0	383
Unchahaar-I TPS	420	20	24	21	1	1	22
Unchahaar-II TPS	420	63	47	41	4	4	44
Unchahaar-III TPS	210	31	29	25	2	2	27
TOTAL	**8292**	**1005**	**1880**	**1646**	**58**	**51**	**1697**
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	5	4	42
URI HEP	480	0	53	50	0	0	50
Dhauli Ganga HEP	280	42	37	35	3	3	38
Dulhasti HEP	390	58	50	48	4	4	51
TOTAL	**2954**	**154**	**335**	**318**	**11**	**11**	**329**
NPC							
Narora APS	440	64	47	41	4	4	44
RAPP(B) Unit-3 APS	220	33	0	0	7	6	6
RAPP(B) Unit-4 APS	220	33	0	0	7	6	6
RAPP (C)	440	64	56	49	7	6	54
TOTAL	**1320**	**194**	**103**	**89**	**25**	**22**	**111**
SVJNL							
Nathpa Jhakri HEP	1500	149	142	123	9	9	132
THDC							
Tehri Hydro	1000	99	103	89	6	6	95
Total	**15066**	**1601**	**2563**	**2267**	**109**	**98**	**2364**
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**
Grand Total	**21276**	**1754**	**2852**	**2508**	**109**	**98**	**2606**

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. 01.01.2010 TO 31.03.2010. ALLOCATION OF 0.9MW HAS BEEN ALLOCATED TO UPCOMING JHAJJHAR PLAT FROM IP STATION. ALLOCATION OF 1 MW POWER FOR AUXILIARY NEEDS OF IP STATION FROM RPH WAS MADE W.E.F. 01.11.2009.

(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. IP	0.00	0.00	0.00	0.00	0.00	100.00
5. RPH	0.86	0.00	28.35	43.04	27.75	100.00
6. GT	0.93	0.00	28.28	42.99	27.80	100.00
7. Pragati	26.69	0.00	20.77	31.76	20.78	100.00
8. 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	36.87	24.90	100.00
3. BTPS	15.07	7.09	21.88	33.37	22.59	100.00
4. IP	0.00	0.00	0.00	0.00	0.00	100.00
5. RPH	0.00	0.00	28.35	43.04	28.61	100.00
6. GT	0.00	0.00	28.28	42.99	29.73	100.00
7. Pragati	25.76	0.00	20.77	31.76	21.71	100.00
8. 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 2010

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	15:17:09	0	60	191	272	521	1044	3347	3410	63	4391	8	4399
2	16:02:03	0	61	186	273	502	1022	3421	3584	163	4443	14	4457
3	15:53:00	0	62	193	275	517	1047	3455	3580	125	4502	47	4549
4	15:38:30	0	60	170	278	526	1034	3464	3557	93	4498	18	4516
5	00:02:31	0	60	163	284	523	1030	3268	3062	-206	4298	3	4301
6	23:30	0	59	125	296	348	828	2666	2942	276	3494	17	3511
7	12:29:14	0	60	122	260	419	861	2649	3014	365	3510	0	3510
8	12:30	0	61	127	259	286	733	2410	3246	836	3143	0	3143
9	16:03:55	0	62	180	133	327	702	2837	3312	475	3539	0	3539
10	16:02:24	0	61	198	281	329	869	2978	3394	416	3847	1	3848
11	16.02.33	0	61	195	276	328	860	3202	3159	-43	4062	0	4062
12	23.30.36	0	61	184	283	428	956	3065	3199	134	4021	3	4024
13	00.00.08	0	62	182	287	426	957	3040	3204	164	3997	0	3997
14	15.23.28	0	60	188	279	515	1042	3080	3500	420	4122	0	4122
15	23.27.29	0	62	185	288	588	1123	2884	3140	256	4007	23	4030
16	15:14:51	0	62	201	280	483	1026	3027	3223	196	4053	35	4088
17	16:03:09	0	62	201	280	587	1130	3081	3432	351	4211	0	4211
18	16:07:52	0	60	199	276	597	1132	3224	3567	343	4356	0	4356
19	15:39:59	0	62	194	272	596	1124	3109	3348	239	4233	0	4233
20	23:22:06	0	62	188	274	592	1116	3105	3417	312	4221	11	4232
21	**15:34:02**	0	62	186	270	576	1094	3574	3830	256	**4668**	**71**	4739
22	16:04:42	0	60	190	272	596	1118	3418	3689	271	4536	74	4610
23	22:54:16	0	60	195	283	595	1133	3411	3575	164	4544	54	4598
24	15:29:24	0	62	199	282	590	1133	3511	3648	137	4644	165	4809
25	16:09:55	0	60	195	286	543	1084	3176	3854	678	4260	15	4275
26	15:46:05	0	71	136	279	600	1086	3181	3752	571	4267	5	4272
27	22:35:39	0	62	139	283	600	1084	3281	3494	213	4365	7	4372
28	15:31:29	0	61	159	281	609	1110	3350	3812	462	4460	0	4460
29	14:49:30	0	62	204	278	588	1132	3482	3560	78	4614	4	4618
30	15:09:25	0	62	201	285	507	1055	3487	3715	228	4542	12	4554

7 POWER AVAILABILITY- DEMAND POSITION AT THE TIME OF MAXIMUM UNRESTRICTED DEMAND DURING JUNE 2010

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	15:17:09	0	60	191	272	521	1044	3347	3410	63	4391	8	4399
2	16:02:03	0	61	186	273	502	1022	3421	3584	163	4443	14	4457
3	15:53:00	0	62	193	275	517	1047	3455	3580	125	4502	47	4549
4	15:38:30	0	60	170	278	526	1034	3464	3557	93	4498	18	4516
5	00:02:31	0	60	163	284	523	1030	3268	3062	-206	4298	3	4301
6	23:30:30	0	59	125	296	348	828	2666	2942	276	3494	17	3511
7	12:29:14	0	60	122	260	419	861	2649	3014	365	3510	0	3510
8	12:30:00	0	61	127	259	286	733	2410	3246	836	3143	0	3143
9	16:03:55	0	62	180	133	327	702	2837	3312	475	3539	0	3539
10	16:02:24	0	61	198	281	329	869	2978	3394	416	3847	1	3848
11	16.02.33	0	61	195	276	328	860	3202	3159	-43	4062	0	4062
12	23.30.36	0	61	184	283	428	956	3065	3199	134	4021	3	4024
13	00.00.08	0	62	182	287	426	957	3040	3204	164	3997	0	3997
14	15.23.28	0	60	188	279	515	1042	3080	3500	420	4122	0	4122
15	15:00:00	0	62	200	282	585	1129	2700	3364	664	3829	284	4113
16	15:14:51	0	62	201	280	483	1026	3027	3223	196	4053	35	4088
17	16:03:09	0	62	201	280	587	1130	3081	3432	351	4211	0	4211
18	16:07:52	0	60	199	276	597	1132	3224	3567	343	4356	0	4356
19	15:39:59	0	62	194	272	596	1124	3109	3348	239	4233	0	4233
20	23:22:06	0	62	188	274	592	1116	3105	3417	312	4221	11	4232
21	**15:34:02**	0	62	186	270	576	1094	3574	3830	256	**4668**	**71**	4739
22	16:04:42	0	60	190	272	596	1118	3418	3689	271	4536	74	4610
23	15:00:00	0	60	195	283	581	1119	3015	3816	801	4134	484	4618
24	15:29:24	0	62	199	282	590	1133	3511	3648	137	4644	165	4809
25	16:09:55	0	60	195	286	543	1084	3176	3854	678	4260	15	4275
26	15:46:05	0	71	136	279	600	1086	3181	3752	571	4267	5	4272
27	22:35:39	0	62	139	283	600	1084	3281	3494	213	4365	7	4372
28	15:31:29	0	61	159	281	609	1110	3350	3812	462	4460	0	4460
29	15:00:00	0	60	172	278	596	1106	3393	3561	168	4499	128	4627
30	15:09:25	0	62	201	285	507	1055	3487	3715	228	4542	12	4554

8 SOURCEWISE SCHEDULED DRAWL FROM NORTHERN GRID AS WELL AS AVAILABILITY WITHIN DELHI FOR JUNE 2010

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

A (i) RPH	47.816
JHAJJAR SHARE	0.660
NET RPH	47.156
(ii) GT+WHRU	132.079
(iii) PRAGATI	209.850
TOTAL (i+ii+iii)	389.085
B) AVAILABILITY FROM BTPS	363.966
C) AUXILIARY CONSUMPTION OF GENERATING STNs. EXCLUDING BTPS	16.648
D) NET GENERATION AVAILABLE WITHIN DELHI(A+B-C)	**736.403**

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
BAIRA SUIL	8.123	7.868	8.166	7.910
SALAL	47.358	45.879	47.360	45.882
TANKAPUR	4.682	4.536	4.673	4.527
CHAMERA	23.221	22.495	23.285	22.557
CHAMERA -II	28.158	27.277	28.284	27.399
DHAULIGANGA	16.638	16.119	16.025	15.525
URI	36.788	35.637	36.817	35.665
ANTA (GAS)	17.120	16.580	16.445	15.926
ANTA (RLNG)	6.045	5.855	1.055	1.022
ANTA (LIQUID)	0.000	0.000	0.000	0.000
DADRI (GAS)	44.754	43.353	42.993	41.649
DADRI (RLNG)	14.747	14.284	2.214	2.143
DADRI (LIQUID)	0.000	0.000	0.000	0.000
AURAIYA (GAS)	30.614	29.656	28.867	27.964
AURAIYA (RLNG)	16.103	15.599	2.862	2.771
AURAIYA (LIQUID)	0.029	0.028	0.000	0.000
SINGRAULI	107.260	103.898	107.923	104.541
RIHAND -I	67.734	65.616	67.734	65.616
RIHAND -II	87.194	84.458	88.441	85.668
UNCHAHAR-I	16.245	15.736	15.198	14.722
UNCHAHAR-II	32.101	31.094	30.012	29.071
UNCHAHAR-III	20.466	19.824	19.229	18.627
DADRI (TH)	514.402	498.284	484.156	468.988
DADRI (TH) STAGE-II	317.270	307.329	298.518	289.166
NAPP	7.779	7.536	7.779	7.535
RAPP 'B'	1.743	1.688	1.743	1.688
RAPP 'C'	13.065	12.649	13.025	12.610
NATHPA JHAKRI	99.466	96.355	99.436	96.326
SEWA -II	1.339	1.295	0.051	0.049
DULASTI	34.373	33.298	34.375	33.300
TEHRI	16.178	15.669	16.124	15.617
KHELGAON	26.977	26.130	25.769	24.961
KHELGAON-II	50.384	48.808	49.919	48.360
FARAKA	13.146	12.734	12.692	12.296
TALA	11.615	11.254	11.286	10.935
TALCHER	0.000	0.000	0.000	0.000
DVC	52.267	51.201	50.179	48.595
ORISSA	34.035	33.341	31.940	30.939
MADHYA PRADESH	9.934	9.379	8.898	8.616

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
MADHYA PRADESH	77.705	73.317	69.909	67.738
CHATTISHGARH	1.459	1.430	1.354	1.312
CHATTISHGARH	499.637	471.567	445.299	431.341
WEST BENGAL	8.362	8.191	7.918	7.672
MAHARASTHRA	5.397	5.221	5.397	5.221
RAJASTHAN	6.882	6.667	6.882	6.667
UNREQUISITIONED SURPLUS	0.310	0.301	0.310	0.301
UTTRANCHAL	28.793	27.898	28.793	27.898
HIMACHAL PRADESH	91.789	88.939	91.789	88.939
ANDHRA PRADESH	45.920	43.842	41.677	40.373
ANDHRA PRADESH	30.867	30.233	28.775	27.855
SIKKIM	42.287	41.424	41.386	40.089
NAGALAND	12.359	12.106	11.657	11.292
ARUNACHAL PRADESH	10.323	10.112	9.746	9.439
PUNJAB	18.610	18.027	18.610	18.027
UTTAR PRADESH	19.835	19.210	19.835	19.210
GUJRAT	26.883	25.378	24.034	23.279
TAMILNADU	9.832	9.425	9.234	8.953
TO UTTAR PRADESH	-50.053	-51.653	-50.053	-51.653
TO ANDHRA PRADESH	-0.967	-0.988	-0.988	-1.021
TO UTTRANCHAL	-1.204	-1.241	-1.204	-1.241
TO RAJASTHAN	-1.023	-1.055	-1.023	-1.055
POWER EXCHANGE(IEX)	0.640	0.621	0.640	0.621
TO POWER EXCHANGE (IEX)	-237.614	-245.351	-237.614	-245.351
POWRER EXCHANGE(PX)	0.000	0.000	0.000	0.000
TO POWER EXCHANGE (PX)	-8.186	-8.444	-8.186	-8.444
TOTAL	**2468.195**	**2357.920**	**2297.651**	**2206.627**

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	1292.083	1251.593	1205.646	1167.874
NTPC - ER	90.507	87.673	88.381	85.617
NHPC	199.341	193.109	198.986	192.764
NPC	22.587	21.873	22.546	21.833
NATHPA JHAKRI	99.466	96.355	99.436	96.326
SEWA -II	1.339	1.295	0.051	0.049
TEHRI	16.178	15.669	16.124	15.617
TALA	11.615	11.254	11.286	10.935
TALCHER	0.000	0.000	0.000	0.000
DVC	52.267	51.201	50.179	48.595
ORISSA	34.035	33.341	31.940	30.939
MADHYA PRADESH	9.934	9.379	8.898	8.616
MADHYA PRADESH	77.705	73.317	69.909	67.738
CHATTISHGARH	1.459	1.430	1.354	1.312
CHATTISHGARH	499.637	471.567	445.299	431.341
WEST BENGAL	8.362	8.191	7.918	7.672
MAHARASTHRA	5.397	5.221	5.397	5.221
RAJASTHAN	6.882	6.667	6.882	6.667
UNREQUISITIONED SURPLUS	0.310	0.301	0.310	0.301

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
UTTRANCHAL	28.793	27.898	28.793	27.898
HIMACHAL PRADESH	91.789	88.939	91.789	88.939
ANDHRA PRADESH	45.920	43.842	41.677	40.373
ANDHRA PRADESH	30.867	30.233	28.775	27.855
SIKKIM	42.287	41.424	41.386	40.089
NAGALAND	12.359	12.106	11.657	11.292
ARUNACHAL PRADESH	10.323	10.112	9.746	9.439
PUNJAB	18.610	18.027	18.610	18.027
UTTAR PRADESH	19.835	19.210	19.835	19.210
GUJRAT	26.883	25.378	24.034	23.279
TAMILNADU	9.832	9.425	9.234	8.953
POWER EXCHANGE(IEX)	0.640	0.621	0.640	0.621
POWER EXCHANGE(PX)	0.000	0.000	0.000	0.000
TOTAL	**2767.243**	**2666.653**	**2596.719**	**2515.393**

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 UTTAR PRADESH	-50.053	-51.653	-50.053	-51.653
TO ANDHRA PRADESH	-0.967	-0.988	-0.988	-1.021
TO MEGHALAYA	0.000	0.000	0.000	0.000
TO MADHYA PRADESH	0.000	0.000	0.000	0.000
TO WEST BENGAL	0.000	0.000	0.000	0.000
TO UTTRANCHAL	-1.204	-1.241	-1.204	-1.241
TO RAJASTHAN	-1.023	-1.055	-1.023	-1.055
TO POWER EXCHANGE (IEX)	-237.614	-245.351	-237.614	-245.351
TO POWER EXCHANGE (PX)	-8.186	-8.444	-8.186	-8.444
TOTAL	**-299.048**	**-308.733**	**-299.069**	**-308.766**
TOTAL SCHEDULED DRAWAL'FROM THE GRID	**2468.195**	**2357.920**	**2297.651**	**2206.627**
TOTAL CONSUMPTION INCLUDING AUX. OF GENERATING STNs. EXCLUDING BTPS				2490.603
NET CONSUMPTION				2473.955
AVAILABILITY WITHIN DELHI				736.403
ACTUAL DRAWAL FROM THE GRID				1737.552
OVER DRAWAL(+)/UNDER DRAWAL(-) FROM THE GRID ON THE BASIS OF SCHEDULED ALLOCATION MADE BY NRLDC TO DELHI AT PERIPHERY				(-)469.075
LOAD SHEDDING				**10.355**
UNRESTRICTED DEMAND (GROSS)				**2500.958**
UNRESTRICTED DEMAND (NET)				**2484.310**
MAX. NET CONSUMPTION				92.355Mus. ON 21.06.2010
MAX. LOAD SHEDDING				671 MW ON 13.06.2010 AT 16.00HRS.
PEAK LOAD DAY PEAK EVENING PEAK	Peak Demand during the month 4668MW AT 15:34:02HRS ON 21.06.2010 4544MW AT 22:54:16HRS ON 23.06.2010			SHEDDING AT PEAK TIME 71MW 54MW
P.L.F. OF GENCO AND PRAGATI STNs.	RPH GT PRAGATI			49.19% 67.94% 88.32%

9 SHEDDING DETAILS DURING THE MONTH OF JUNE 2010.

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-10	1	0.002	0.000	0.000	0.000	**0.002**	0.000	0.000	0.000	0.000
2-Jun-10	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
3-Jun-10	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
4-Jun-10	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
5-Jun-10	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
6-Jun-10	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
7-Jun-10	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
8-Jun-10	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
9-Jun-10	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
10-Jun-10	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
11-Jun-10	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
12-Jun-10	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
13-Jun-10	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
14-Jun-10	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
15-Jun-10	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
16-Jun-10	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
17-Jun-10	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
18-Jun-10	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
19-Jun-10	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
20-Jun-10	1	0.000	0.000	0.002	0.000	**0.002**	0.000	0.000	0.000	0.000
21-Jun-10	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
22-Jun-10	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.052	0.000
23-Jun-10	4	0.006	0.023	0.010	0.000	**0.039**	0.007	0.108	0.021	0.000
24-Jun-10	0	0.000	0.000	0.000	0.000	**0.000**	0.212	0.020	0.065	0.000
25-Jun-10	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
26-Jun-10	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
27-Jun-10	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
28-Jun-10	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
29-Jun-10	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
30-Jun-10	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
TOTAL	**6**	**0.008**	**0.000**	**0.000**	**0.000**	**0.043**	**0.219**	**0.128**	**0.138**	**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-10	0.000	0.000	0.000	0.000	0.000	**0.002**	0.000	0.000	0.000	0.000	0.000
2-Jun-10	0.000	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
3-Jun-10	0.000	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
4-Jun-10	0.000	0.000	0.000	0.000	0.000	**0.000**	0.002	0.000	0.000	0.000	0.000
5-Jun-10	0.000	0.000	0.000	0.000	0.000	**0.000**	0.000	0.146	0.000	0.000	0.000
6-Jun-10	0.000	0.000	0.000	0.000	0.000	**0.000**	0.000	0.015	0.000	0.000	0.000
7-Jun-10	0.000	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
8-Jun-10	0.000	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
9-Jun-10	0.000	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
10-Jun-10	0.000	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.006	0.000	0.000
11-Jun-10	0.000	0.000	0.000	0.000	0.000	**0.000**	0.000	0.039	0.000	0.000	0.000
12-Jun-10	0.000	0.000	0.000	0.000	0.000	**0.000**	0.000	0.036	0.000	0.000	0.000
13-Jun-10	0.000	0.000	0.000	0.000	0.000	**0.000**	0.374	0.230	0.027	0.023	0.000
14-Jun-10	0.000	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
15-Jun-10	0.000	0.000	0.000	0.000	0.000	**0.000**	0.085	1.194	0.000	0.000	0.000
16-Jun-10	0.000	0.000	0.000	0.000	0.000	**0.000**	0.024	0.427	0.017	0.000	0.000
17-Jun-10	0.000	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
18-Jun-10	0.000	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
19-Jun-10	0.000	0.000	0.000	0.000	0.000	**0.000**	0.000	0.016	0.005	0.000	0.000
20-Jun-10	0.000	0.000	0.000	0.000	0.000	**0.002**	0.139	0.049	0.035	0.000	0.000
21-Jun-10	0.000	0.000	0.000	0.000	0.000	**0.000**	0.137	0.015	0.005	0.000	0.000
22-Jun-10	0.000	0.000	0.000	0.000	0.000	**0.052**	0.012	0.027	0.000	0.000	0.000
23-Jun-10	0.000	0.000	0.000	0.000	0.000	**0.175**	0.057	0.254	0.010	0.000	0.000
24-Jun-10	0.000	0.000	0.000	0.000	0.000	**0.297**	0.094	0.025	0.989	0.000	0.000
25-Jun-10	0.000	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
26-Jun-10	0.000	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
27-Jun-10	0.000	0.000	0.000	0.000	0.000	**0.000**	0.002	0.039	0.849	0.000	0.000
28-Jun-10	0.000	0.000	0.000	0.000	0.000	**0.000**	0.047	0.090	0.022	0.000	0.000
29-Jun-10	0.000	0.000	0.000	0.000	0.000	**0.000**	0.025	0.032	0.000	0.000	0.000
30-Jun-10	0.000	0.000	0.000	0.000	0.000	**0.000**	0.012	0.034	0.004	0.000	0.000
TOTAL	0.000	0.000	0.000	0.000	0.000	**0.528**	**1.010**	**2.668**	**1.969**	**0.023**	**0.000**

ALL FIGURES IN MUs

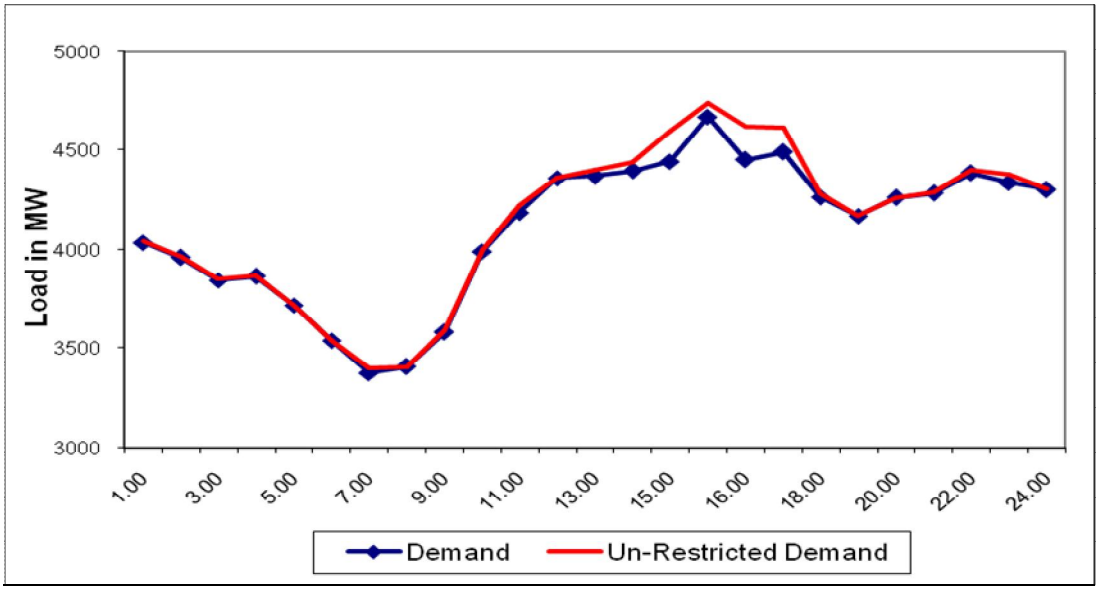
DATE	DUE TO T&D CONTRAINTS			OTHER AGENCIES LIKE GENCO, BBMB, BTPS ETC.	THEFT PRONE SHEDDING			TOTAL SHEDDING DUE TO T&D CONSTS. & THEFT PRONE	GRAND TOTAL
	DISCOMS								
	BSES		NDPL		BSES		NDPL		
	BYPL	BRPL			BYPL	BRPL			
1	23	24	25	2+	27	28	29	30=18 to29	31=30+17
1-Jun-10	0.036	0.021	0.001	0.058	0.000	0.000	0.000	**0.116**	**0.118**
2-Jun-10	0.040	0.029	0.013	0.218	0.000	0.000	0.000	**0.300**	**0.300**
3-Jun-10	0.012	0.088	0.014	0.149	0.000	0.000	0.000	**0.263**	**0.263**
4-Jun-10	0.016	0.058	0.077	0.003	0.000	0.000	0.000	**0.156**	**0.156**
5-Jun-10	0.056	0.110	0.006	0.000	0.000	0.000	0.000	**0.318**	**0.318**
6-Jun-10	0.009	0.023	0.004	0.000	0.000	0.000	0.000	**0.091**	**0.091**
7-Jun-10	0.000	0.004	0.001	0.000	0.000	0.000	0.000	**0.005**	**0.005**
8-Jun-10	0.000	0.007	0.010	0.000	0.000	0.000	0.000	**0.017**	**0.017**
9-Jun-10	0.000	0.015	0.014	0.005	0.000	0.000	0.000	**0.034**	**0.034**
10-Jun-10	0.021	0.000	0.019	0.000	0.000	0.000	0.000	**0.046**	**0.046**
11-Jun-10	0.024	0.020	0.012	0.000	0.000	0.000	0.000	**0.095**	**0.095**
12-Jun-10	0.012	0.070	0.006	0.000	0.000	0.000	0.000	**0.124**	**0.124**
13-Jun-10	0.065	0.163	0.096	0.000	0.000	0.000	0.000	**0.978**	**0.978**
14-Jun-10	0.036	0.015	0.001	0.000	0.000	0.000	0.000	**0.052**	**0.052**
15-Jun-10	0.050	0.083	0.002	0.000	0.000	0.023	0.000	**1.437**	**1.437**
16-Jun-10	0.011	0.045	0.002	0.000	0.000	0.000	0.000	**0.526**	**0.526**
17-Jun-10	0.013	0.002	0.000	0.000	0.000	0.000	0.000	**0.015**	**0.015**
18-Jun-10	0.019	0.017	0.008	0.003	0.000	0.000	0.000	**0.047**	**0.047**
19-Jun-10	0.006	0.052	0.000	0.003	0.000	0.000	0.000	**0.082**	**0.082**
20-Jun-10	0.007	0.077	0.000	0.000	0.000	0.000	0.000	**0.307**	**0.309**
21-Jun-10	0.202	0.265	0.034	0.007	0.000	0.000	0.000	**0.665**	**0.665**
22-Jun-10	0.052	0.222	0.036	0.000	0.000	0.000	0.000	**0.349**	**0.401**
23-Jun-10	0.050	0.187	0.034	0.000	0.000	0.000	0.000	**0.592**	**0.767**
24-Jun-10	0.024	0.133	0.010	0.000	0.000	0.000	0.000	**1.275**	**1.572**
25-Jun-10	0.017	0.051	0.007	0.000	0.000	0.000	0.000	**0.075**	**0.075**
26-Jun-10	0.027	0.063	0.007	0.000	0.000	0.000	0.000	**0.097**	**0.097**
27-Jun-10	0.026	0.026	0.009	0.000	0.000	0.000	0.000	**0.951**	**0.951**
28-Jun-10	0.082	0.041	0.001	0.000	0.000	0.000	0.000	**0.283**	**0.283**
29-Jun-10	0.021	0.027	0.062	0.156	0.000	0.000	0.000	**0.323**	**0.323**
30-Jun-10	0.038	0.106	0.014	0.000	0.000	0.000	0.000	**0.208**	**0.208**
TOTAL	**0.972**	**2.020**	**0.500**	**0.602**	**0.000**	**0.023**	**0.000**	**9.827**	**10.355**

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-10	**86.161**	4391	15:17:09	8	**4399**	**4399**	15:17:09	4391	8
2-Jun-10	**86.340**	4443	16:02:03	14	**4457**	**4457**	16:02:03	4443	14
3-Jun-10	**89.851**	4502	15:53:00	47	**4549**	**4549**	15:53	4502	47
4-Jun-10	**86.339**	4498	15:38:30	18	**4516**	**4516**	15:38:30	4498	18
5-Jun-10	**77.547**	4298	00:02:31	3	**4301**	**4301**	00:02:31	4298	3
6-Jun-10	**69.391**	3494	23:30:00	17	**3511**	**3511**	23:30	3494	17
7-Jun-10	**71.546**	3510	12:29:14	0	**3510**	**3510**	12:29:14	3510	0
8-Jun-10	**63.825**	3143	12:30:00	0	**3143**	**3143**	12:30	3143	0
9-Jun-10	**66.319**	3539	16:03:55	0	**3539**	**3539**	16:03:55	3539	0
10-Jun-10	**71.651**	3847	16:02:24	1	**3848**	**3848**	16:02:24	3847	1
11-Jun-10	**77.648**	4062	16.02.33	0	**4062**	**4062**	16.02.33	4062	0
12-Jun-10	**82.331**	4021	23.30.36	3	**4024**	**4024**	23.30.36	4021	3
13-Jun-10	**74.605**	3997	00.00.08	0	**3997**	**3997**	00.00.08	3997	0
14-Jun-10	**78.549**	4122	15.23.28	0	**4122**	**4122**	15.23.28	4122	0
15-Jun-10	**80.998**	4007	23.27.29	23	**4030**	**4113**	15.00.00	3829	284
16-Jun-10	**82.425**	4053	15:14:51	35	**4088**	**4088**	15:14:51	4053	35
17-Jun-10	**85.822**	4211	16:03:09	0	**4211**	**4211**	16:03:09	4211	0
18-Jun-10	**88.222**	4356	16:07:52	0	**4356**	**4356**	16:07:52	4356	0
19-Jun-10	**86.831**	4233	15:39:59	0	**4233**	**4233**	15:39:59	4233	0
20-Jun-10	**84.296**	4221	23:22:06	11	**4232**	**4232**	23:22:06	4221	11
21-Jun-10	**92.955**	**4668**	**15:34:02**	**71**	**4739**	**4739**	15:34:02	4668	71
22-Jun-10	**92.870**	4536	16:04:42	74	**4610**	**4610**	16:04:42	4536	74
23-Jun-10	**88.261**	4544	22:54:16	54	**4598**	**4618**	15:00	4134	484
24-Jun-10	**86.274**	4644	15:29:24	165	**4809**	**4809**	**15:29:24**	**4644**	**165**
25-Jun-10	**83.652**	4260	16:09:55	15	**4275**	**4275**	16:09:55	4260	15
26-Jun-10	**87.077**	4267	15:46:05	5	**4272**	**4272**	15:46:05	4267	5
27-Jun-10	**82.637**	4365	22:35:39	7	**4372**	**4372**	22:35:39	4365	7
28-Jun-10	**88.203**	4460	15:31:29	0	**4460**	**4460**	15:31:29	4460	0
29-Jun-10	**90.608**	4614	14:49:30	4	**4618**	**4627**	15:00	4499	128
30-Jun-10	**90.721**	4542	15:09:25	12	**4554**	**4554**	15:09:25	4542	12
TOTAL	**2473.955**	**4668 Max**			**4809 Max**	**4809 Max**			

10 LOAD PATTERN OF DELHI ON THE DAY OF PEAK DEMAND MET DURING JUNE 2010 ON 21.06.2010 – 4668MW at 15:34:02HRS.

All figures in MW

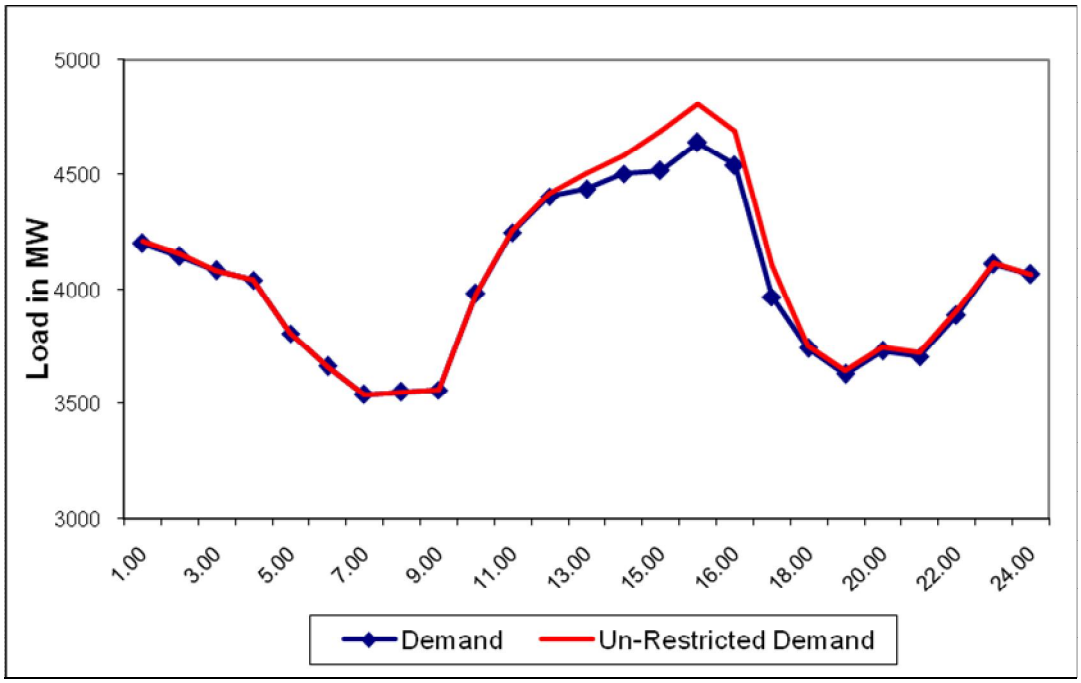
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	4037	5	4042
2.00	3962	3	3965
3.00	3847	4	3851
4.00	3866	4	3870
5.00	3718	3	3721
6.00	3540	0	3540
7.00	3377	26	3403
8.00	3409	0	3409
9.00	3580	13	3593
10.00	3993	5	3998
11.00	4189	33	4222
12.00	4361	0	4361
13.00	4371	28	4399
14.00	4396	44	4440
15.00	4444	151	4595
15.34.02	**4668**	71	4739
16.00	4452	167	4619
17.00	4493	123	4616
18.00	4267	16	4283
19.00	4172	2	4174
20.00	4264	0	4264
21.00	4286	2	4288
22.00	4385	19	4404
23.00	4339	42	4381
24.00	4304	0	4304
ENERGY IN Mus	92.955	0.665	93.620



11 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UN-RESTRICTED DEMAND DURING JUNE 2010 – 24.06.2010– 4809MW at 15:29:24HRS.

All figures in MW

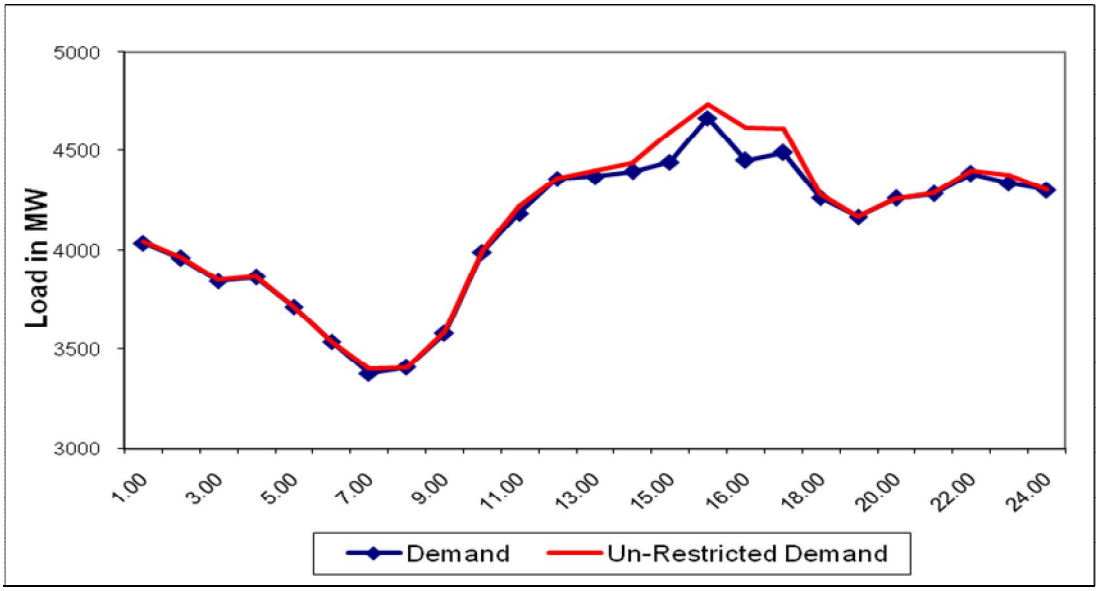
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	4203	9	4212
2.00	4147	7	4154
3.00	4083	0	4083
4.00	4042	0	4042
5.00	3807	0	3807
6.00	3666	0	3666
7.00	3543	0	3543
8.00	3554	0	3554
9.00	3562	0	3562
10.00	3984	0	3984
11.00	4249	7	4256
12.00	4407	13	4420
13.00	4438	68	4506
14.00	4507	77	4584
15.00	4521	169	4690
15.29.24	4644	165	**4809**
16.00	4544	147	4691
17.00	3970	138	4108
18.00	3743	11	3754
19.00	3631	15	3646
20.00	3732	17	3749
21.00	3707	17	3724
22.00	3888	21	3909
23.00	4112	3	4115
24.00	4068	0	4068
ENERGY IN Mus	86.274	1.572	87.846



12 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM ENERGY CONSUMED DURING JUNE 2010 – 21.06.2010 – 92.955 Mus

All figures in MW

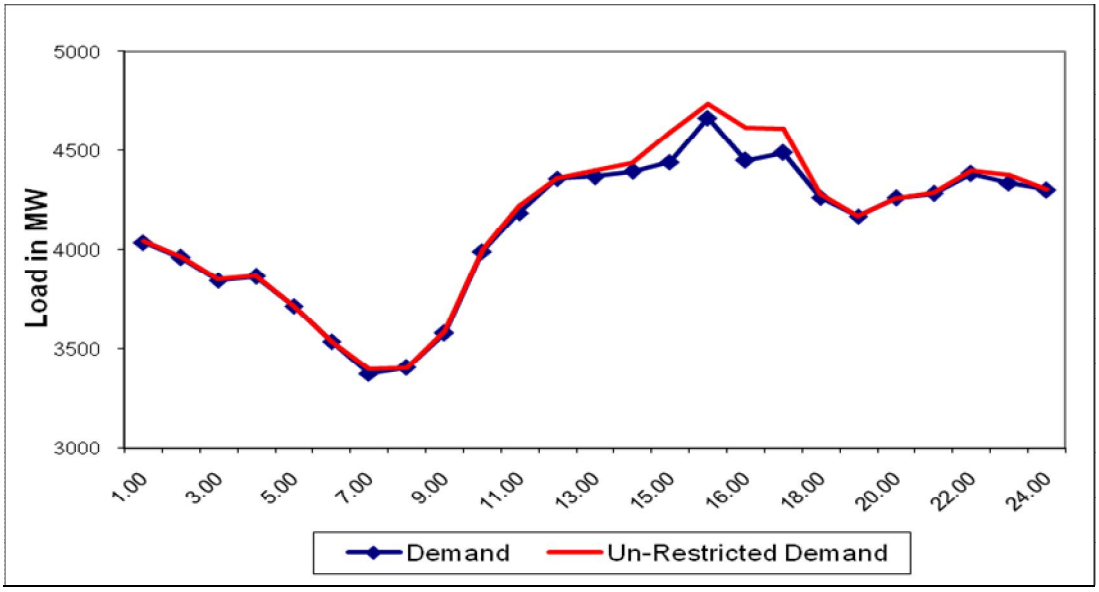
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	4037	5	4042
2.00	3962	3	3965
3.00	3847	4	3851
4.00	3866	4	3870
5.00	3718	3	3721
6.00	3540	0	3540
7.00	3377	26	3403
8.00	3409	0	3409
9.00	3580	13	3593
10.00	3993	5	3998
11.00	4189	33	4222
12.00	4361	0	4361
13.00	4371	28	4399
14.00	4396	44	4440
15.00	4444	151	4595
15.34.02	4668	71	4739
16.00	4452	167	4619
17.00	4493	123	4616
18.00	4267	16	4283
19.00	4172	2	4174
20.00	4264	0	4264
21.00	4286	2	4288
22.00	4385	19	4404
23.00	4339	42	4381
24.00	4304	0	4304
ENERGY IN Mus	**92.955**	0.665	93.620



13 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UNRESTRICTED ENERGY DEMAND DURING JUNE 2010 – 21.06.2010 – 93.620Mus

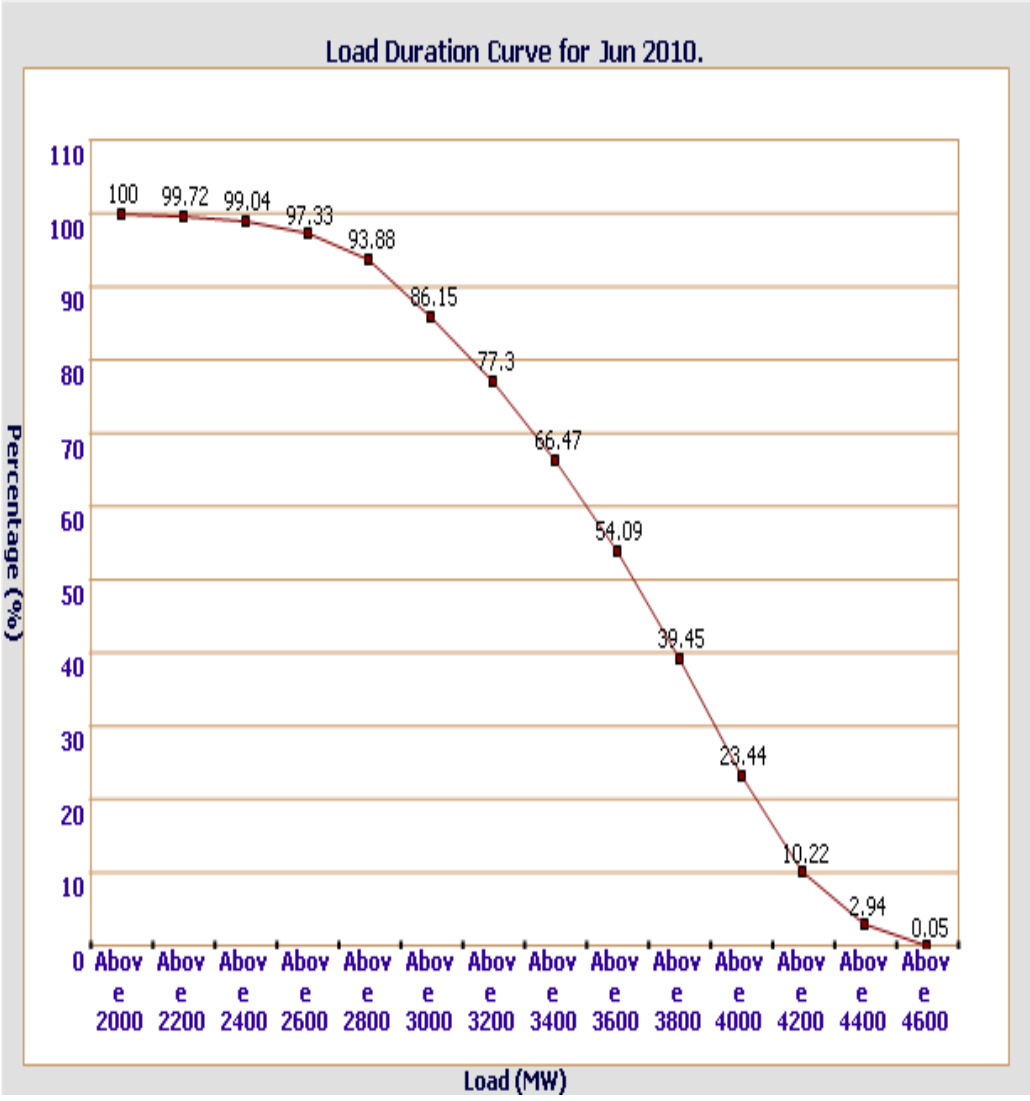
All figures in MW

Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	4037	5	4042
2.00	3962	3	3965
3.00	3847	4	3851
4.00	3866	4	3870
5.00	3718	3	3721
6.00	3540	0	3540
7.00	3377	26	3403
8.00	3409	0	3409
9.00	3580	13	3593
10.00	3993	5	3998
11.00	4189	33	4222
12.00	4361	0	4361
13.00	4371	28	4399
14.00	4396	44	4440
15.00	4444	151	4595
15.34.02	4668	71	4739
16.00	4452	167	4619
17.00	4493	123	4616
18.00	4267	16	4283
19.00	4172	2	4174
20.00	4264	0	4264
21.00	4286	2	4288
22.00	4385	19	4404
23.00	4339	42	4381
24.00	4304	0	4304
ENERGY IN Mus	92.955	0.665	**93.620**



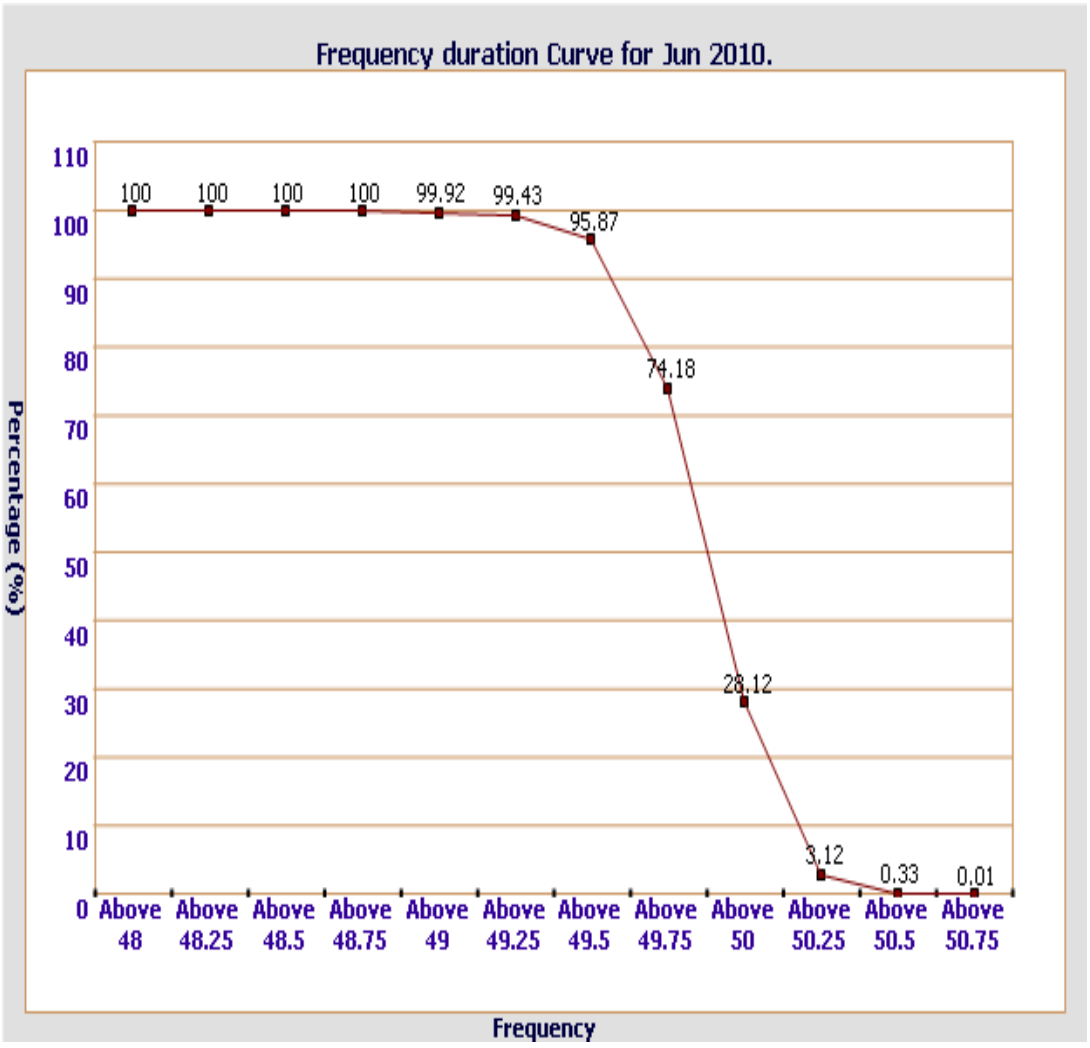
14 LOAD DURATION CURVE FOR JUNE 2010

Load in MW	Percentage of Time
Above 2000	100 %
Above 2200	99.72 %
Above 2400	99.04 %
Above 2600	97.33 %
Above 2800	93.88 %
Above 3000	86.15 %
Above 3200	77.3 %
Above 3400	66.47 %
Above 3600	54.09 %
Above 3800	39.45 %
Above 4000	23.44 %
Above 4200	10.22 %
Above 4400	2.94 %
Above 4600	0.05 %



15 FREQUENCY ANALYSIS FOR THE MONTH OF JUNE 2010

Frequency Range in Hz.	Percentage of time
Above 48.50	100.00 %
Above 48.75	100.00 %
Above 49.00	99.92 %
Above 49.25	99.43 %
Above 49.50	95.87 %
Above 49.75	74.18 %
Above 50.00	28.12 %
Above 50.25	3.12 %
Above 50.50	0.33 %
Above 50.75	0.01 %



16 VOLTAGE PROFILE OF 220 KV SUB-STATIONS IN DELHI DURING JUNE 2010

All figures in kV

Date	NARELA		GAZIPUR	
	Max	Min	Max	Min
1-Jun-10	229.95	214.73	228.53	212.41
2-Jun-10	229.95	213.96	226.73	209.45
3-Jun-10	231.37	212.41	226.86	211.90
4-Jun-10	231.24	213.96	229.95	213.83
5-Jun-10	241.82	218.60	235.37	218.99
6-Jun-10	236.40	221.18	232.79	217.83
7-Jun-10	231.37	219.76	229.31	--
8-Jun-10	235.76	219.51	233.18	218.35
9-Jun-10	234.47	--	232.53	217.83
10-Jun-10	231.24	217.18	230.73	215.25
11-Jun-10	230.60	212.03	229.18	213.19
12-Jun-10	226.60	209.58	228.15	210.48
13-Jun-10	235.37	214.73	233.82	212.03
14-Jun-10	230.86	215.12	228.79	213.32
15-Jun-10	230.60	212.15	229.18	211.51
16-Jun-10	228.92	211.38	230.21	205.71
17-Jun-10	225.95	206.87	223.38	200.29
18-Jun-10	225.70	205.71	220.92	201.45
19-Jun-10	224.79	206.74	219.51	199.90
20-Jun-10	226.08	210.87	226.86	201.58
21-Jun-10	226.34	201.84	222.34	192.42
22-Jun-10	225.31	201.19	219.76	192.16
23-Jun-10	--	--	--	--
24-Jun-10	--	--	--	--
25-Jun-10	235.37	208.80	230.86	200.81
26-Jun-10	226.73	205.06	226.73	197.71
27-Jun-10	227.89	204.67	225.31	194.36
28-Jun-10	233.05	204.42	231.11	200.93
29-Jun-10	222.47	198.48	222.47	198.48
30-Jun-10	220.92	200.42	217.70	196.29

17 VOLTAGE PROFILE OF 400 KV SUB-STATIONS IN DELHI DURING JUNE 2010

All figures in kV

Date	400kV Bamnauli Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
1-Jun-10	400.27	19.02.21	376.83	14.08.15	388.96
2-Jun-10	400.51	02.50.38	371.20	23.14.28	388.61
3-Jun-10	402.62	19.04.02	374.95	00.42.06	390.61
4-Jun-10	405.20	04.03.18	379.40	14.21.45	395.40
5-Jun-10	417.16	04.01.16	385.03	13.51.55	397.09
6-Jun-10	411.53	18.05.01	386.20	23.35.02	398.35
7-Jun-10	404.26	16.10.04	386.20	00.08.04	395.93
8-Jun-10	410.83	07.06.00	389.02	11.32.35	399.86
9-Jun-10	410.36	06.02.40	387.61	11.23.48	397.22
10-Jun-10	403.09	08.04.58	378.47	23.12.56	393.51
11-Jun-10	404.03	04.01.13	371.67	14.49.58	389.41
12-Jun-10	398.63	19.02.23	374.01	14.44.09	385.77
13-Jun-10	413.41	15.47.50	377.53	00.36.50	392.09
14-Jun-10	404.03	19.02.29	377.53	14.38.55	391.14
15-Jun-10	402.85	08.03.33	372.84	23.14.08	389.90
16-Jun-10	404.03	08.03.47	373.31	23.20.12	389.30
17-Jun-10	396.99	04.03.49	362.99	14.26.34	382.35
18-Jun-10	392.77	19.00.51	363.46	14.44.17	381.26
19-Jun-10	393.47	19.00.32	366.74	14.43.17	377.65
20-Jun-10	398.40	18.57.03	367.68	23.26.36	384.14
21-Jun-10	389.25	19.26.33	352.44	14.21.29	372.32
22-Jun-10	393.47	19.00.32	350.56	14.16.27	369.16
23-Jun-10	--	--	--	--	--
24-Jun-10	--	--	--	--	--
25-Jun-10	--	--	--	--	--
26-Jun-10	399.57	19.02.19	--	--	383.18
27-Jun-10	406.61	18.48.34	364.16	00.13.40	387.65
28-Jun-10	415.52	07.59.56	364.40	23.32.24	388.24
29-Jun-10	396.05	08.04.30	358.30	00.12.25	381.03
30-Jun-10	388.78	19.04.30	352.91	14.18.32	372.99

Date	400kV Bawana Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
1-Jun-10	409.65	04.00.48	384.09	14.08.15	397.40
2-Jun-10	406.84	02.56.28	378.70	23.12.28	395.20
3-Jun-10	407.78	19.04.02	381.98	00.42.06	396.84
4-Jun-10	409.89	04.03.18	386.91	14.22.25	401.07
5-Jun-10	423.02	03.58.26	390.89	13.51.55	402.58
6-Jun-10	417.86	18.04.21	--	--	404.09
7-Jun-10	410.83	16.10.44	392.30	00.08.24	402.38
8-Jun-10	415.98	07.06.10	394.65	11.32.35	404.93
9-Jun-10	415.05	06.03.00	393.47	11.23.48	402.56
10-Jun-10	408.95	08.04.58	385.74	23.12.46	399.95
11-Jun-10	408.72	04.01.03	378.70	14.51.49	395.69
12-Jun-10	404.49	19.02.33	371.43	09.21.00	392.08
13-Jun-10	418.56	15.47.40	384.33	00.36.30	398.17
14-Jun-10	409.89	19.02.19	385.27	14.38.55	397.67
15-Jun-10	409.18	19.00.54	379.64	23.17.18	396.13
16-Jun-10	409.65	08.03.47	381.51	23.20.32	395.85
17-Jun-10	402.85	04.04.29	371.43	14.26.34	389.51
18-Jun-10	399.10	19.00.51	371.43	14.44.7	388.57
19-Jun-10	400.51	19.06.02	374.71	06.56.01	384.66
20-Jun-10	405.20	18.57.03	375.65	23.24.06	390.84
21-Jun-10	393.99	19.26.33	359.94	12.23.12	379.88
22-Jun-10	400.74	19.00.32	358.77	14.15.47	377.07
23-Jun-10	--	--	--	--	--
24-Jun-10	--	--	--	--	--
25-Jun-10	414.34	03.05.59	374.95	15.16.12	387.26
26-Jun-10	406.14	08.04.11	368.85	23.21.17	387.59
27-Jun-10	408.61	18.48.14	--	--	389.24
28-Jun-10	415.52	07.58.56	368.15	23.32.14	390.23
29-Jun-10	396.76	08.04.40	361.58	00.12.25	382.90
30-Jun-10	390.89	19.06.50	356.89	14.17.12	375.34

18 DETAILS OF LUMPED CAPACITORS AT NEAREST 220 KV SUBSTATION

a) Delhi Transco Limited (DTL)

Name of the Sub-stn	Voltage (KV)	Installed Capacity (MVAR)	Working Capacity (MVAR)	ReAprks
Patparganj	66	20	20	
	66	20	20	
	33	10	10	
	33	10	10	
	11	5.04	5.04	
Kashmere Gate	11	5.04	5.04	
Gazipur	66	20	20	
	66	20	20	
	11	5.04	5.04	
Okhla	66	20	20	
	66	20	20	
	66	20	20	
	33	10	10	
	11	5.04	5.04	
Lodhi Road	33	10	10	
	33	10	10	
	11	5.976	0	TEMPORARILY DISMANTLED ON 11.11.2006 FOR TAKING OUT 100MVA PR. TX.-I
Sarita Vihar	66	20	20	
	11	5.04	5.04	
Vasant Kunj	66	20	20	
	66	20	20	
	11	5.04	5.04	
Mehrauli	66	20	20	
	66	20	20	
	66	20	20	
	66	20	20	
	11	5.04	5.04	
Najafgarh	66	20	20	
	66	20	20	
	66	20	20	
	11	5.04	5.04	
Narela	66	20	20	
	66	20	20	
	11	5.04	5.04	

Name of the sub-stn	Voltage (KV)	Installed Capacity (MVAR)	Working Capacity (MVAR)	ReAprks
ShaliApr Bagh	33	10	10	
	33	10	10	
	33	10	10	
	33	10	10	
	11	6	6	
Rohini	66	20	20	
	66	20	20	
	11	6	6	
Gopalpur	33	10	10	
	33	10	10	
	33	10	10	
	11	5.04	5.04	
Subzi Mandi	11	6	6	
Kanjhawala	66	20	20	
	11	5.04	5.04	
Park Street	66	20	20	
	33	10	10	
	33	10	10	
Papankalan-I	66	20	20	
	11	5.04	5.04	
Naraina	33	10	10	
	33	10	10	
	11	5.04	5.04	
	Total Capacity	749.496	743.700	

B. IPGCL

Name of the Sub-stn	Voltage (KV)	Installed Capacity (MVAR)	Working Capacity (MVAR)	ReAprks
IP	33	10	10	
	33	10	10	
	33	10	10	
	33	10	0	OUT SINCE 08.04.2005. CELLS DAMAGED, ORDER PLACED ON BHEL
RPH	11	5.04	5.04	
	33	10	10	
	33	10	10	
	Total Capacity	65.04	55.04	

Sl. No	Name of the Grid S/Sub-Station	INSTALLED CAPACITY IN MVAR			
		66KV	33kV	11kV	**TOTAL**
1	**IP STATION**		30		**30**
1	Kamla Aprket			9.65	**9.65**
2	Minto Road			5.45	**5.45**
3	GB Pant Hosp			5.45	**5.45**
4	Delhi Gate			10.9	**10.9**
5	TilakAprg			5.04	**5.04**
6	Electric Lane			5.04	**5.04**
7	Connaught Place			10.08	**10.08**
8	Kilokri		10	10.48	**20.48**
9	NDSE			5.04	**5.04**
10	AIIMS		10	5.04	**15.04**
11	Nizamuddin			5.04	**5.04**
12	Exhibition-I		10		**10**
13	Exhibition-II				
14	Defence Colony			10.9	**10.9**
15	IG Stadium		10		**10**
16	Lajpat Nagar			5.04	**5.04**
	Total				**163.15**
2	**IP Extn.**				
1	School Lane			5.04	**5.04**
2	Scindia House			5.04	**5.04**
3	Vidyut Bhawan			15.12	**15.12**
4	Nirman Bhawan			5.04	**5.04**
5	Dalhousie Road			5.04	**5.04**
	Total				**35.28**
3	**RPH Station**		20	5.04	**25.04**
1	Lahori Gate			10.45	**10.45**
2	Jama Masjid			5.03	**5.03**
4	Kamla Aprket			5.45	**5.45**
5	Minto Road			5.45	**5.45**
6	GB Pant Hosp			5.03	**5.03**
7	IG Stadium			5.45	**5.45**
8	IP Estate			10.9	**10.9**
	Total				**72.8**

Sl. No	Name of the Grid S/Sub-Station	INSTALLED CAPACITY IN MVAR			
		66KV	33kV	11kV	TOTAL
4	**Parkstreet S/stn**	20	20		**40**
1	Shastri Park		10	5.45	**15.45**
2	Faiz Road			10.9	**10.9**
3	Motia Khan			16.3	**16.3**
4	Parshad Nagar			16.3	**16.3**
5	Anand Parbat			10.8	**10.8**
6	Shankar Road			5.04	**5.04**
7	Rama Road			14.4	**14.4**
8	Baird Road			10.08	**10.08**
9	Hanuman Road			5.04	**5.04**
10	Pusa			7.2	**7.2**
11	Ridge Valley				
12	SJ Airport			5.04	**5.04**
13	B. D. Aprg				
	Total				**156.55**
5	**Naraina S/stn**		20	5.04	**25.04**
1	DMS			10.45	**10.45**
2	Mayapuri		10	5	**15**
3	Inderpuri		10	5.04	**15.04**
4	Rewari line			7.2	**7.2**
5	Khyber Lane		10		**10**
6	Kirbi Place			5	**5**
7	Payal Cinema			14.4	**14.4**
	Total				**102.13**
6	**Mehrauli S/stn**	80		5.04	**85.04**
1	Adchini			15.12	**15.12**
2	Andheria Bagh			10.85	**10.85**
3	IIT			10.9	**10.9**
4	JNU		10	10.08	**20.08**
5	Bijwasan			10.08	**10.08**
6	DC Saket		10	4.54	**14.54**
7	Malviya Nagar	20			**20**
8	C Dot				
9	Vasant kunj B-Blk	20		10.9	**30.9**
10	Vasant kunj C-Blk	20		5.45	**25.45**
11	Palam				
12	IGNOU				
13	R. K. Puram-I			10.08	**10.08**
14	Vasant Vihar			10.08	**10.08**
15	Bhikaji Cama Place		10	10.08	**20.08**
	Total				**283.2**
7	**Vasantkunj S/stn**	40		5.04	**45.04**
2	R. K. Puram-II			3.6	**3.6**
4	Vasant kunj C-Blk			5.04	**5.04**
5	Vasant kunj D-Blk	20		10.25	**30.25**
8	Race Course			5.04	**5.04**
9	Bapu Dhaam			5.04	**5.04**
10	Nehru Park			5.04	**5.04**
12	Ridge Valley				
	Total				**99.05**

Sl. No	Name of the Grid S/Sub-Station	INSTALLED CAPACITY IN MVAR			
		66KV	33kV	11kV	**TOTAL**
8	**Okhla S/stn**	60	10	5.04	**75.04**
1	Balaji			7.2	**7.2**
2	East of Kailash			10	**10**
3	Alaknanda			10.85	**10.85**
4	Malviya Nagar		20	10.49	**30.49**
5	Masjid Moth			15.94	**15.94**
6	Nehru Place			21.35	**21.35**
7	Okhla Ph-I	20		10.9	**30.9**
8	Okhla Ph-II		20.93	10.49	**31.42**
9	Shivalik			10.9	**10.9**
10	Batra			15.8	**15.8**
11	VSNL			10.8	**10.8**
12	Siri Fort			10.49	**10.49**
13	Tuglakabad			10.8	**10.8**
	Total				**291.98**
9	**Lodhi Road S/stn**		20		**20**
1	Defence Colony				
2	Hudco			10.9	**10.9**
4	Lajpat Nagar			5.04	**5.04**
5	Nizamuddin			5.45	**5.45**
6	Vidyut Bhawan			10.08	**10.08**
7	Kidwai Nagar			5.04	**5.04**
8	Ex. Gr. II				
9	IHC				
	Total				**56.51**
10	**Sarita Vihar S/stn**	20		5.04	**25.04**
1	Sarita Vihar			10.08	**10.08**
2	MCIE			10.06	**10.06**
3	Mathura Road	20		5.04	**25.04**
4	Jamia Millia			5.4	**5.4**
5	Sarai Julena		10	10.9	**20.9**
	Total				**96.52**
11	**Wazirabad**				
1	Bhagirathi		10	10.9	**20.9**
2	Ghonda	20	20	15.94	**55.94**
3	Seelam Pur		10	21.39	**31.39**
4	Dwarkapuri			10.06	**10.06**
5	Nandnagri	20		16.35	**36.35**
6	Yamuna Vihar			10.8	**10.8**
7	East of Loni Road			10.8	**10.8**
8	Shastri Park			10.9	**10.9**
9	Karawal Nagar			5.4	**5.4**
	Total				**192.54**

Sl. No	Name of the Grid S/Sub-Station	INSTALLED CAPACITY MVAR			
		66KV	33kV	11kV	**TOTAL**
12	**Geeta Colony**				
1	Geeta Colony			10.49	**10.49**
2	Kanti Nagar			10.9	**10.9**
3	Kailash Nagar			15.48	**15.48**
4	Seelam Pur				
5	Shakar Pur				
	Total				**36.87**
13	**Gazipur S/stn**	40		5.04	**45.04**
1	Dallupura	20		10.9	**30.9**
2	Vivek Vihar			9.57	**9.57**
3	GT Road			10.85	**10.85**
4	Kondli	20		10.45	**30.45**
5	MVR-I			10.9	**10.9**
6	MVR-II	20		10.9	**30.9**
7	PPG Ind. Area			10.06	**10.06**
	Total				**178.67**
14	**Patparganj S/stn**	40	20	5.04	**65.04**
1	GH-I	20		10.45	**30.45**
2	GH-II	20		10.9	**30.9**
3	CBD		10	14.94	**24.94**
4	Guru Angad Nagar			15.49	**15.49**
5	Karkadooma		10	10.44	**20.44**
6	Preet Vihar			10.07	**10.07**
7	CBD-II			7.2	**7.2**
8	Shakarpur			5.4	**5.4**
9	Jhilmil			9	**9**
10	Dilshad Garden	20		16.35	**36.35**
11	Khichripur	20		10.49	**30.49**
12	Mother Dairy				
13	Scope Building				
14	Vivek Vihar				
	Total				**285.77**
15	**Najafgarh S/stn**	60		5.04	**65.04**
1	A4 Paschim Vihar			10.9	**10.9**
2	Nangloi	20		15.85	**35.85**
3	Nangloi W/W	20		5.45	**25.45**
4	Pankha Road			15.69	**15.69**
5	Jaffarpur			15.49	**15.49**
7	Sagarpur			15.9	**15.9**
8	Paschimpuri		10	15.53	**25.53**
9	Paschim Vihar	40		15.44	**55.44**
10	Mukherjee Park			15.49	**15.49**
11	Udyog Nagar			10.08	**10.08**
12	Choukhandi			10.08	**10.08**
	Total				**300.94**

Sl. No	Name of the Grid S/Sub-Station	INSTALLED CAPACITY			
		66KV	33kV	11kV	**TOTAL**
16	**Pappankalan-I S/stn**	20		5.04	**25.04**
1	Bindapur	20		15.9	**35.9**
2	Bodella-I	20		15.9	**35.9**
3	Bodella-II	20		14.53	**34.53**
4	DC Febakpuri			10.04	**10.04**
5	G-2 PPK (Nasirpur)			10.9	**10.9**
6	G-5 PPK (Matiala)			15.53	**15.53**
7	G-6 PPK			5.45	**5.45**
8	Harinagar	20		10.49	**30.49**
	Total				**203.78**
17	**BBMB Rohtak Road**				
1	S.B. Mill			10.08	**10.08**
1	GTK Road			12.64	**12.64**
1	Ram Pura			12.25	**12.25**
1	Rohtak Road			10.08	**10.08**
1	Vishal		10	5	**15**
1	Madipur			10.43	**10.43**
1	Sudershan Park			10.99	**10.99**
	Total				**81.47**
18	**ShaliAprbagh S/stn**		40	6	**46**
1	S.G.T. Nagar			13.15	**13.15**
2	Wazirpur-1			18.8	**18.8**
3	Wazirpur-2			14.4	**14.4**
4	ShaliAprbagh			5.44	**5.44**
5	Ashok Vihar			20.47	**20.47**
6	Rani Bagh			14.4	**14.4**
7	Haiderpur			13.15	**13.15**
8	SMB Fsc			7.2	**7.2**
	Total				**153.01**
19	**Subzimandi S/stn**			6	**6**
1	Shakti Nagar			5.04	**5.04**
2	Gulabibagh			7.32	**7.32**
3	Shahzadabagh			18.19	**18.19**
4	Tripolia			14.4	**14.4**
5	B. G. Road				
	Total				**50.95**
20	**Narela S/stn**	40		5.04	**45.04**
1	A-7 Narela			14.4	**14.4**
2	AIR Kham pur			13.15	**13.15**
3	Badli	20		5.95	**25.95**
4	DSIDC Narela-1	20		5.95	**25.95**
5	DSIDC Narela-2			14.4	**14.4**
6	Jahangirpuri				
	Total				**138.89**

Sl. No	Name of the Grid S/Sub-Station	INSTALLED CAPACITY IN MVAR			
		66KV	33kV	11kV	**TOTAL**
21	**Gopalpur S/stn**		30	5.04	**35.04**
1	Azad Pur			21.6	**21.6**
2	Hudson Lane			5.95	**5.95**
3	Wazirabad			7.2	**7.2**
4	Indra Vihar			5.95	**5.95**
5	Tri Nagar			14.4	**14.4**
6	GTK Road			12.64	**12.64**
7	Jahangirpuri	20	20	5.95	**45.95**
8	DIFR			7.2	**7.2**
8	Civil lines				
	Total				**155.93**
22	**Rohini S/stn**	40		6	**46**
1	Rohini Sec-22			14.4	**14.4**
2	Rohini Sec-23	20		5.95	**25.95**
3	Rohini Sec-24			7.2	**7.2**
4	Rohini-1			5.95	**5.95**
5	Rohini-2			13.15	**13.15**
6	Rohini-3			5.95	**5.95**
7	Rohini-4			11.9	**11.9**
8	Rohini-5			13.15	**13.15**
9	Rohini-6	20		5.95	**25.95**
10	Mangolpuri-1			20.35	**20.35**
11	Mangolpuri-2	20		6	**26**
12	Saraswati Garden			11.9	**11.9**
13	Pitam Pura-1	20		12.6	**32.6**
14	Pitam Pura-2			12.24	**12.24**
15	Pitam Pura-3			7.32	**7.32**
	Total				**280.01**
23	**Kanjhawala S/stn**	20		5.04	**25.04**
1	Bawana Clear Water			14.64	**14.64**
2	Pooth Khoord			7.2	**7.2**
	Total				**46.88**
24	**BAWANA S/stn**				
1	Bawana S/stn No. 6			14.64	**14.64**
2	Bawana S/stn No. 7			7.2	**7.2**
	Total				**21.84**
25	**Kashmeregate**			5.04	**5.04**
1	Civil lines			12	**12**
2	Town Hall			10.49	**10.49**
3	Fountain			5.45	**5.45**
	Total				**32.98**
26	**Pappankalan-II**				
1	DMRC-I				
2	DMRC-II				
	Total				**0**

20 DETAILS OF BREAK-DOWNS DURING THE MONTH OF JUNE 2010

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REAPRKS
	DATE	TIME		DATE	TIME	
01	03.06.10	06.55	33/11KV 20MVA PR. TR. AT KASHMIRI GATE	03.06.10	09.38	TR. TRIPPED ON 86, 87R, 87Y ALONG WITH 11KV I/C-I WHICH TRIPPED WITHOUT INDICATION.
02	04.06.10	23.36	400KV BAWANA – ABDULLAPUR CKT.-I	04.06.10	23.52	CKT. TRIPPED ON DIST PROT `AB' PHASE ZONE-I, 186A&B, BOTH BREAKER, 85Y AT BAWANA.
03	05.06.10	19.38	220KV BTPS – OKHLA CKT-II	06.06.10	01.20	CKT. TRIPPED ON E/F AT BTPS. NO TRIPPING AT BTPS
04	05.06.10	20.05	220KV BTPS – OKHLA CKT-I	05.06.10	20.38	CKT. TRIPPED ON 30G. E/F AT BTPS. CKT. TRIPPED WHILE BACK CHARGING 220KV BTPS – OKHLA CKT-II FROM BTPS THROUGH CKT-I.
05	05.06.10	19.36	220/33KV 50MVA PR. TR.-II AT OKHLA	05.06.10	22.15	TR. TRIPPED ON DIFFERENTIAL, 86T, 86
06	06.06.10	18.44	220KV PATPARGANJ – GEETA COLONY CKT-II	06.06.10	18.56	CKT. TRIPPED ON ACTIVE GROUP, DIST PROT `ABC' PHASE ZONE-I, 86, 27RYB, 30E AT GEETA COLONY. NO TRIPPING AT PATPARGANJ.
07	08.06.10	13.38	33/11KV 16MVA PR. TR.-II AT SUBZI MANDI	08.06.10	15.35	TR. TRIPPED ON 87R, 86
08	08.06.10	13.52	400/220KV 400MVA ICT-I AT BAMNAULI	09.06.10	01.04	ICT TRIPPED ON 86A, 86B, CB-1, X1, CB-1 X2, CB-2 X1, A' PHASE, 87A, 87C, 30AH, CONTROL SUPPLY FAILURE ALONG WITH ITC 220KV I/C-I WHICH TRIPPED ON 175A, 175D, 297D, PT FUSE FAIL, 195AC, 30D, 167A, O/C `A' PHASE.
09	09.06.10	08.45	220KV RPH – IP CKT-I	09.06.10	17.05	CKT. TRIPPED ON E/F, AUTO RECLOSE, 186A&B AT RPH
10	09.06.10	03.19	220KV MANDOLA – WAZIRABAD CKT-II	09.06.10	03.36	CKT. TRIPPED ON DIST PROT `B' PHASE ZONE-I, 86RYB, 186A&B AT MANDOLA AND ON GENERAL TRIP, DIST PROT ``YB' PHASE ZONE-I AT WAZIRABAD.
11	09.06.10	11.10	33/11KV 20MVA PR. TR.-I AT LODHI ROAD	10.06.10	11.10	TR. TRIPPED ON DIFFERENTIA ALONG WITH 11KV I/C-I WHICH TRIPPED ON INTER TRIPPING.
12	11.06.10	10.11	220KV BTPS – NOIDA – GAZIPUR CKT.	11.06.10	10.30	CKT. TRIPPED ON `B' PHASE E/F AT BTPS. NO TRIPPING AT GAZIPUR
13	12.06.10	09.20	220KV GEETA COLONY – PATPARGANJ CKT-I	12.06.10	09.43	CKT. TRIPPED ON DIST PROT `ABC' PHASE ZONE-I, 86, 27, 30E AT GEETA COLONY AND ON DIST PROT `ABC' PHASE ZONE-I, 86, 186 AT PATPARGANJ.
14	12.06.10	09.20	220KV WAZIRABAD – GEETA COLONY CKT-I	12.06.10	09.39	CKT. TRIPPED ON DIST PROT `RYB' PHASE ZONE-I AT WAZIRABAD.
15	12.06.10	12.04	220KV BTPS – MEHRAULI CKT-I	12.06.10	12.20	CKT. TRIPPED ON DIST PROT `A' PHASE ZONE-I, 30G, 186 AT BTPS. NO TRIPPING AT MEHRAULI.
16	12.06.10	12.35	220KV BTPS – MEHRAULI CKT-I	12.06.10	21.00	CKT. TRIPPED ON DIST PROT `A' PHASE ZONE-I, 30G, 186 AT BTPS. NO TRIPPING AT MEHRAULI.
17	13.06.10	15.39	220KV GEETA COLONY – PATPARGANJ CKT-I	13.06.10	16.35	CKT. TRIPPED ON DIST PROT `BC' PHASE ZONE-I, 86, 30E, 27RYB AT GEETA COLONY AND ON DIST PROT ZONE-II AT PATPARGANJ.
18	13.06.10	15.39	220KV MANDOLA – WAZIRABAD CKT-III	13.06.10	16.05	CKT. TRIPPED ON DIST PROT `R' PHASE ZONE-I, 86, 86Y, 186A, 186B AT MANDOLA. NO TRIPPING AT WAZIRABAD.
19	13.06.10	15.39	220KV PATPARGANJ – IP CKT-II	13.06.10	16.20	CKT. TRIPPED ON DIST PROT `XY, ZONE-I AT PATPARGANJ.

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REAPRKS
	DATE	TIME		DATE	TIME	
20	13.06.10	15.46	220KV BTPS – OKHLA CKT-I	13.06.10		BUS BAR PROTECTION OPERATED AT OKHLA. NO TRIPPING AT BTPS.
21	13.06.10	16.04	220KV SARITA VIHAR – PRAGATI CKT.	13.06.10	16.26	CKT. TRIPPED ON ACTIVE GROUP-I, DIST PROT `B' PHASE ZONE-I AT PRAGATI AND ON DIST PROT. 'B' PHASE, 186A&B AT SARITA VIHAR
22	13.06.10	16.10	66/11KV 20MVA PR. TR.-II AT PAPPANKALAN-II	13.06.10	21.10	TR. TRIPPED ON O/C, `B' PHASE, 86
23	13.06.10	15.25	66/11KV 20MVA PR. TR.-I AT NARELA	13.06.10	18.59	TR. TRIPPED ON 30A, BUCHLOZ, 86, WINDING TEMP. ALARM ALONG WITH 11KV I/C-I WHICH TRIPPED WITHOUT INDICATION.
24	15.06.10	11.28	220KV MEHRAULI – BTPS CKT-I & II	15.06.10	17.55	CKT-II TRIPPED ON 30A, 30BC, 30AB, 30G, DIST PROT ZONE-I AT BTPS AND ON DIST PROT `ABC' PHASE ACTIVE GROUP-I, 186 AT MEHRAULI. CKT-I TRIPPED AT MEHRAULI WITHOUT INDICATION. CKT-I & II CHARGED AT 11.54HRS AND 17.55HRS RESPECTIVELY.
25	15.06.10	12.59	220KV MEHRAULI – BTPS CKT-I	15.06.10	16.50	CKT. TRIPPED ON DIST PROT `ABC' PHASE ZONE-III, 186 AT MEHRAULI AND ON 30C, 30G AT BTPS.
26	15.06.10	06.58	220KV MEHRAULI – VASANT KUNJ CKT-I	15.06.10	07.20	CKT. TRIPPED ON 95CB,186A, 186B, DIST PROT `B' PHASE AT MEHRAULI. NO TRIPPING AT VASANT KUNJ.
27	16.06.10	15.10	220/33KV 100MVA PR. TR.-I AT SUBZI MANDI	17.06.10	08.15	TR. TRIPPED ON 86, 64RLV ALONG WITH 33KV I/C-I WHICH TRIPPED ON 86.
28	16.06.10	15.15	220KV BTPS – MEHRAULI CKT-I	16.06.10	17.52	CKT. TRIPPED ON `C' PHASE E/F AT BTPS AND ON DIST PROT `ABC' PHASE ZONE-I, 186A&B AT MEHRAULI
29	19.06.10	14.20	220KV BAMNAULI – NAJAGARH CKT-I	19.06.10	14.39	CKT. TRIPPED ON DIST PROT `A' PHASE ZONE-II, 186A&B AT BAMNAULI AND ON 186A&B AT NAJAFGARH.
30	19.06.10	06.50	220/66KV 100MVA PR. TR-II AT DSIDC NARELA	19.06.10	12.35	TR. TRIPPED ON DIFFERENTIAL, 87, 30A, BUCHLOZ, 30J ALONG WITH 66KV I/C-II WHICH TRIPPED WITHOUT INDICATION.
31	20.06.10	09.48	220KV BTPS – NOIDA – GAZIPUR CKT.	20.06.10	10.25	CKT. TRIPPED ON E/F AT BTPS. NO TRIPPING AT GAZIPUR
32	20.06.10	12.36	220/66LV 100MVA PR. TR.-I AT PATPARGANJ	21.06.10	00.43	TR. TRIPPED ON 86, 84RHV ALONG WITH 66KV I/C-I & II WHICH TRIPPED WITHOUT INDICATION. `Y' PHASE CT OF 66KV I/C-II BLASTED.
33	20.06.10	12.59	220KV BAMNAULI – NAJAFGARH CKT-I	20.06.10	18.05	CKT. TRIPPED ON DIST PROT `R' PHASE ZONE-II, 186A&B, AUTO RECLOSE LOCK OUT AT BAMNAULI AND ON DIST PROT `A' PHASE, 186 AT NAJAFGARH.
34	20.06.10	13.52	220KV SARITA VIHAR – MAHARANI BAGH CKT	20.06.10	14.42	CKT. TRIPPED ON DIST PROT ZONE-I AT MAHARANI BAGH AND ON DIST PROT `A' PHASE ZONE-I AT SARITA VIHAR
35	20.06.10	14.43	220KV BAWANA – NAJAFGARH CKT-I	20.06.10	14.50	CKT. TRIPPED ON DIST PROT AT BAWANA AND ON DIST PROT `ABC' PHASE, 86, 186A&B AT NAJAFGARH
36	20.06.10	14.58	220KV MANDOLA – GOPALPUR CKT-II	20.06.10	19.17	CKT. TRIPPED ON `B' PHASE E/F AT MANDOLA AND ON DIST PROT `R' PHASE ZONE-I AT GOPALPUR.

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REAPRKS
	DATE	TIME		DATE	TIME	
37	20.06.10	18.38	220KV GEETA COLONY – PATPARGANJ CKT-I	20.06.10	21.08	CKT. TRIPPED ON DIST PROT `ABC' PHASE, 27, 86, 30E AT GEETA COLONY AND ON DIST PROT `ABC' PHASE ZONE-I, 186 AT PATPARGANJ.
38	21.06.10	13.08	220/66KV 100MVA PR. TR.-I AT PATPARGANJ	21.06.10	19.19	TR. TRIPPED ON DIFFERENTIAL, 86.
39	21.06.10	13.58	400KV BAMNAULI – BAWANA CKT-I	21.06.10	14.27	CKT. TRIPPED ON 186A&B, CB TRIP, BOTH CB AUTO TRIP AT BAMNAULI.
40	22.06.10	22.40	66/11KV 20MVA PR. TR.-III AT PAPPANKALAN-I	22.06.10	22.55	TR. TRIPPED ON `Y' PHASE O/C.
41	22.06.10	07.58	220/66KV 100MVA PR. TR.-II AT OKHLA	22.06.10	10.20	TR. TRIPPED ON 96T, BUS BAR PROTECTION.
42	22.06.10	14.50	220KV BAMNAULI – NARAINA CKT-I & II	22.06.10	15.07	BOTH CKT. TRIPPED ON UNDER VOLTAGE, 86BV, 186A&B AT BAMNAULI.
43	22.06.10	14.50	220KV BAMNAULI – NAJAFGARH CKT-I & II	22.06.10	15.09	BOTH CKT. TRIPPED ON UNDER VOLTAGE, 86BV, 186A&B AT BAMNAULI.
44	23.06.10	22.30	66/11KV 20MVA PR. TR.-III AT PAPPANKALAN-I	23.06.10	22.45	TR. TRIPPED ON `Y' PHASE O/C, 86
45	24.06.10	16.25	220/33KV 100MVA PR. TR.-I AT SHALIMAR BAGH	24.06.10	19.07	TR. TRIPPED ON 86, O/C `B' PHASE, 51C ALONG WITH 33KV I/C-I WHICH TRIPPED ON O/C `R&B' PHASE, 86.
46	26.06.10	02.50	33/11KV 16MVA PR. TR.-II AT SUBZI MANDI	26.06.10	10.42	TR. TRIPPED ON 86, 87R.
47	26.06.10	03.46	400KV BAWANA – HISSAR CKT-I	26.06.10	07.03	CKT. TRIPPED ON DIST PROT `B' PHASE ZONE-I, 186A&B AT BAWANA.
48	26.06.10	03.46	400KV BAWANA – ABDULLAPUR CKT-I & II	26.06.10	05.30	CKT. TRIPPED ON 186. 400KV BUS BAR PROTECTION OPERATED
49	26.06.10	03.46	400KV BAMNAULI – BAWANA CKT-II	26.06.10	05.18	CKT. TRIPPED ON 186. 400KV BUS BAR PROTECTION OPERATED
50	26.06.10	03.46	400KV BAWANA – BAHADURGARH CKT.	26.06.10	05.15	CKT. TRIPPED ON 186. 400KV BUS BAR PROTECTION OPERATED
51	26.06.10	03.46	400KV MANDOLA – BAWANA CKT-I & II	26.06.10	05.22	BOTH CKT. TRIPPED ON 186. 400KV BUS BAR PROTECTION OPERATED. CKT-I & II CHARGED AT 05.17HRS. AND 05.22HRS RESPECTIVELY.
52	26.06.10	03.46	400/220KV 315MVA ICT-I, II & III AT BAWANA	26.06.10	05.35	400KV BUS BAR PROTECTION OPERATED AT BAWANA. ICT-I, II & III CHARGED AT 05.06HRS, 05.35HRS AND 05.17HRS RESPECTIVELY.
53	26.06.10	03.46	220/66KV 100MVA PR. TR. AT BAWANA	26.06.10	05.08	400KV BUS BAR PROTECTION OPERATED AT BAWANA
54	28.06.10	16.33	220/33KV 50MVA PR. TR.-II AT PATPARGANJ	28.06.10	22.35	TR. TRIPPED ON 86REFLV ALONG WITH 33KV I/C-I, II & IV. 33KV I/C-I & II TRIPPED WITHOUT INDICATION AND 33KV I/C-IV TRIPPED ON 86, O/C `R' PHASE.
55	28.06.10	18.30	220KV PRAGATI – SARITA VIHAR CKT	28.06.10	18.52	CKT. TRIPPED ON DIST PROT `B' PHASE ZONE-I, 186A&B AT SARITA VIHAR AND ON DIST PROT `ABC' PHASE ZONE-I, 80, 186 AT PRAGATI.
56	30.06.10	08.50	33/11KV 16MVA PR. TR.-II AT SUBZI MANDI	30.06.10	09.58	TR. TRIPPED ON 86, 87 ALONG WITH 11KV I/C-II WHICH TRIPPED WITHOUT INDICATION.

20 DETAILS OF UNDER FREQUENCY RELAY OPERATIONS IN DELHI POWER SYSTEM DURING THE MONTH OF JUNE 2010

DATE	S. N.	TIME		Name of Grid	NAME OF AFFECTED FEEDERS	LOAD RELIEF IN MW
		OUT	IN			
01.06.10	1	23:56	23:59	WAZIRABAD	66KV SHASTRI PARK CKT. I & II	50
20.06.10	1	0:17	0:24	SUBZI MANDI	33KV B.G.ROAD CKT. I &II AND 11KV LOAD	21
23.06.10	1	2:43	2:46	SHALIMARBAGH	33KV RANI BAGH CKT. I & II, 33KV S.G.T.NAGAR CKT.	35
23.06.10	2	2:43	2:48	NARELA	66KV JAHANGIRPURI CKT. I & II, 66KV BADLI CKT. I & II AND 11kV LOAD	103
23.06.10	3	2:43	2:52	NAJAFGARH	G-5 PAPANKALAN CKT.-II, BODELA CKT.I&II AND 20MVA PR. TR. –III	150
23.06.10	4	2:43	2:46	GAZIPUR	KONDLI CKT. I & II, VIVEK VIHAR CKT. I&Ii	114