DELHI TRANSCO LTD.

STATE LOAD DISPATCH CENTER

PROGRESS REPORT

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JULY - 2010

1 SALIENT FEATURES OF DELHI POWER SYSTEM

Sr. No.	Features	JULY 2010	JULY 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)**	**4733**	**4482**
	Date	01.07.10	08.07.09
	Time	16:10:13	15:00:00
3	**Peak Demand met (MW)**	**4720**	**4408**
	Date	01.07.10	08.07.09
	Time	16:10:13	16:12:49
4	Peak Availability (MW)	5136	3989
5	Shortage (-) / Surplus (+) in MW	(+)416	(-)419
6	Percentage Shortage (-) / Surplus (+)	8.81	(-)9.51
7	Maximum Energy Consume in a day (Mus)	89.725	89.266
8	Energy Consumed during the month	**2557.228**	**2528.891**
9	**Load Shedding in Mus**		
A)	Due to Grid Restrictions		
i)	Under Frequency Relay Operations	0.125	0.120
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	0.182	0.059
	BRPL	0.041	1.461
	BYPL	0.013	0.699
	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	**0.361**	2.339
B)	Due to Constraints in System in Mus		
	DTL	4.780	3.995
	NDPL	0.779	3.650
	BRPL	2.133	2.107
	BYPL	1.016	0.334
	NDMC	0.000	0.000
	MES	0.000	0.000
	Other Agencies	0.206	0.000
	Total	**8.914**	**10.086**
11	**Grand Total in Mus**	**9.275**	**12.425**

2. PERFORMANCE OF GENERATING STATIONS WITHIN DELHI DURING JULY 2010

A) For the month of July 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	78.26	0.00000
2.	**GT**	132.07900	4.85200	127.22700	82.98	56.81535
3.	**PPCL**	209.85000	5.96600	203.88400	88.84	3.33400
4.	**BTPS**	355.72300	39.12953	316.59347	72.85	0.00000
	TOTAL	**745.46800**	**55.77753**	**689.69047**		**60.14935**

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

Power Station	Effective Capacity (MW)	Net Generation in MUs For July 2010	Availability (%) For July 2010	PLF (%) For July 2010	Cumulative Generation in MUs upto July 2010 for the year 2010-11	Cumulative Availability in % upto July 2010 for the year 2010-11	Cumulative PLF in % upto July 2010 for the year 2010-11
RPH	135	41.98600	78.26	78.26	141.68400	60.53	60.53
GT	270	127.22700	82.98	53.82	370.59700	76.19	64.34
PPCL	330	203.88400	88.84	87.44	619.01200	88.79	87.85
BTPS	705	316.59347	72.85	66.93	1468.91385	83.72	76.85
TOTAL	**1440**	**689.69047**			**2600.20685**		

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	05.07.10	00.50	Drum level low.
		10.07.10	15.45	10.07.10	20.02	Due to power loss.
		12.07.10	20.05	13.07.10	06.06	Turbine trip
		13.07.10	12.02	13.07.10	13.41	Flame failure
		13.07.10	18.33	13.07.10	20.21	Tripped along wtih trippings of associated transmission lines.
		15.07.10	10.39	19.07.10	13.14	Auxiliary transformer tripped.
		24.07.10	20.23	26.07.10	09.58	Boiler Tube Leakage
		31.07.10	12.25	31.07.10	14.07	Boiler trip.
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
		07.07.10	10.55	07.07.10	12.08	Flame failure
		10.07.10	15.45	10.07.10	20.01	Tripped along wtih trippings of associated transmission lines.
		19.07.10	14.39	19.07.10	15.19	Turbine tripped
		20.07.10	18.12	20.07.10	19.57	Turbine tripped.
		21.07.10	04.45	21.07.10	05.47	Turbine tripped.
		25.07.10	12.16	25.07.10	15.10	Under frequency relay operated

(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 11KV 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
		02.07.10	15.12	07.01.20	15.54	Gas fuel hydraulic trip pressure low
		04.07.10	21.31	05.07.10	13.28	Tripped due to tripping of 160 MVA TX at IP End and after that machine not taken on bar due high frequency
		06.07.10	07.37	06.07.10	09.15	Tripped due to tripping of 160 MVA TX at IP End.
		08.07.10	07.15	08.07.10	13.00	Gas fuel hydraulic trip pressure low
		08.07.10	13.00	08.07.10	21.10	Stopped due to high under drawal at high frequency.
		12.07.10	11.02	12.07.10	12.05	Gas fuel hydraulic trip pressure low
		12.07.10	20.15	14.07.10	02.42	Stopped due to high under drawal at high frequency.
		14.07.10	06.04	14.07.10	06.55	Gas fuel hydraulic trip pressure low
		14.07.10	19.42	14.07.10	20.40	Gas fuel hydraulic trip pressure low
		18.07.10	07.24	18.07.10	14.19	Due to shut-down of 160 MVA Tx.
		20.07.10	15.31	21.07.10	07.52	Stopped due to high under drawal at high frequency.
		22.07.10	18.50	24.07.10	14.55	
		25.07.10	00.02	29.07.10	11.27	
		31.07.10	11.00	31.07.10	23.59	
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
		04.07.10	21.31	05.07.10	07.47	Tripped due to tripping of 160 MVA TX at IP End and after that machine not taken on bar due to high frequency
		06.07.10	07.23	06.07.10	10.03	Tripped due to tripping of 160 MVA TX at IP End.
		08.07.10	14.58	08.07.10	19.32	
		12.07.10	21.12	13.07.10	21.39	Stopped due to high under drawal at high frequency.
		18.07.10	07.58	18.07.10	12.26	Due to shut-down of 160 MVA Tx.
		20.07.10	13.01	21.07.10	04.13	Stopped due to high under drawal at high frequency.
		22.07.10	21.47	24.07.10	07.35	
		25.07.10	01.50	29.07.10	13.18	
		31.07.10	11.00	31.07.10	23.59	
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 160MVA Tx
		04.06.10	12.02	04.06.10	16.04	Condensate level high.

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
3	30	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	
		04.07.10	21.31	12.07.10	09.00	Tripped due to tripping of 160 MVA TX at IP End and after that machine not taken on bar due SLDC message to maintain schdule of 80 MW.
		12.07.10	09.00	12.07.10	14.15	Machine not available due to problem in Diesel Engine of GT
		12.07.10	14.15	14.07.10	10.25	Stopped due to high under drawal at high frequency.
		17.07.10	12.20	19.07.10	15.42	Loss of Excitation.
		20.07.10	15.22	23.07.10	12.01	To regulate the load of Radial feeders as 160MVA Tx tripped on Buchholtz relay. After 19:17 hrs machine not taken on bar due to low demand
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	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
		14.07.10	21.31	12.07.10	09.00	Tripped due to tripping of 160 MVA TX at IP End and after that machine not taken on bar due to low demand.
		12.07.10	09.00	12.07.10	18.15	Problem in DC EOP of GT
		12.07.10	18.15	14.07.10	11.33	Stopped due to high under drawal at high frequency.
		14.07.10	11.33	16.07.10	17.25	Due to problem in Mark-VI
		20.07.10	15.35	20.07.10	16.27	Machine came on FSNl due to jerk in the system
		20.07.10	21.01	24.07.10	05.45	Stopped due to high under drawal at high frequency.
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	
		14.07.10	21.31	14.07.10	22.20	Tripped due to tripping of 160 MVA TX at IP End.

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
5	**30**	05.07.10	13.45	08.07.10	10.55	Machine stopped as per SLDC message to maintain load of 110 MW
		08.07.10	14.58	08.07.10	20.10	Tripped due to tripping of 160 MVA TX at IP End on Buckholtz relay.
		18.07.10	07.55	18.07.10	12.20	Due to shut-down of 160 MVA Tx.
		20.07.10	15.35	20.07.10	19.18	Machine came on FSNl due to jerk in the system
		21.07.10	09.31	22.07.10	18.46	Stopped due to high frequency and low demand.
		31.07.10	11.00	31.07.10	23.59	
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 due to 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
		04.07.10	21.31	04.07.10	21.42	Due to tripping of 160 MVA TX at IP End.
		06.07.10	07.37	08.07.10	08.20	Tripped due to tripping of 160 MVA TX at IP End and after that machine not taken on bar due to low demand
		08.07.10	14.58	08.07.10	16.49	Tripped due to tripping of 160 MVA TX at IP End on Buckholtz relay.
		08.07.10	17.25	08.07.10	18.06	Tripped due to tripping of 160 MVA TX at IP End on Buckholtz relay.
		14.07.10	09.32	14.07.10	14.28	To attend hunting in load
		20.07.10	15.35	20.07.10	15.43	Machine came on FSNl due to jerk in the system
		21.07.10	02.27	21.07.10	04.15	Tripped with multiple alarms
		21.07.10	04.15	22.07.10	18.16	Due to low demand and high freq.
		23.07.10	11.20	27.07.10	18.00	Due to smoke from mark VI panel
		27.07.10	18.00	29.07.10	12.17	Stopped due to high frequency and low demand.
		31.07.10	11.00	31.07.10	23.59	
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
		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

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG1	34	29.06.10	15.32	29.06.10	16.50	Tripped without any alarm
		04.07.10	21.31	05.07.10	09.50	Tripped due to tripping of 160 MVA TX at IP End and after that machine not taken on bar due SLDC message to maintain schdule of 80 MW.
		06.07.10	07.23	06.07.10	10.58	Tripped due to tripping of 160 MVA TX at IP End .
		08.07.10	14.58	08.07.10	22.10	Tripped due to tripping of 160 MVA TX at IP End .
		09.07.10	23.42	10.07.10	01.50	Tripped on Ch-I&II
		10.07.10	02.38	10.07.10	03.17	
		10.07.10	03.25	10.07.10	03.50	
		10.07.10	03.55	10.07.10	04.42	
		07.10.10	18.32	10.07.10	18.48	
		12.07.10	21.12	13.07.10	23.47	Machine stopped as per SLDC message to maintain load of 80 MW
		18.07.10	07.01	18.07.10	14.14	Due to shut-down of 160 MVA Tx.
		20.07.10	15.31	21.07.10	07.50	To regulate the load of Radial feeders as 160 MVA Tx tripped on Buchholtz relay. After 19:17 hrs machine not taken on bar due to low demand
		22.07.10	21.47	24.07.10	08.25	Machine stopped as per SLDC message to maintain load of 80 MW
		24.07.10	17.04	24.07.10	17.32	Due to tripping of 800 KVA Tx
		25.07.10	01.30	29.07.10	17.50	Stopped due to high frequency and low demand.
		31.07.10	11.00	31.07.10	23.59	
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	To attend 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
		14.07.10	21.31	12.07.10	09.00	Tripped due to tripping of 160 MVA TX at IP End and after that machine not taken on bar due SLDC message to maintain schdule of 80 MW.
		12.07.10	09.00	12.07.10	14.15	Due to outage of GT# 3 & 4
		12.07.10	14.15	12.07.10	18.15	HRSG# 4 due to outage of GT# 4
		12.07.10	18.15	14.07.10	12.50	Stopped due to high frequency and low demand.
		18.07.10	06.37	18.07.10	13.35	To attend 160 MVA Tx.
		20.07.10	15.22	23.07.10	14.55	To regulate the load of Radial feeders as 160 MVA Transformer tripped on Buchholtz relay. After 19:17 hrs machine not taken on bar due to low demand
		24.07.10	17.04	24.07.10	17.22	Due to tripping of 800 KVA Tx
		26.07.10	08.55	26.07.10	10.46	Low level vaccum

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
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 100MVA Tx under replace ment with 160MVA Tx at IP Ext.
		25.06.10	18.53	28.06.10	23.59	Tripped due to tripping of GT#6
		04.07.10	21.31	14.07.10	23.10	Tripped due to tripping of 160 MVA TX at IP End.
		06.07.10	07.23	08.07.10	11.13	Tripped due to tripping of 160 MVA TX at IP End and after that machine not taken on bar due to low demand
		08.07.10	12.20	08.07.10	21.28	Due to oil leakages observe in ESV.
		10.07.10	18.48	10.07.10	19.50	Due to disappearance of Parameters
		18.07.10	06.37	18.07.10	13.55	Due to shut-down of 160 MVA Tx.
		20.07.10	15.07	20.07.10	20.53	Due to tripping of 160 MVA Tx
		21.07.10	09.31	22.07.10	21.15	Stopped due to high frequency and low demand.
		31.07.10	11.00	31.07.10	23.59	

(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.
		04.07.10	21.26	04.07.10	22.20	
		10.07.10	15.47	10.07.10	16.56	
		13.07.10	18.29	13.07.10	19.10	
		27.07.10	18.50	28.07.10	04.18	Due to firing in underneath bearings.
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	
		01.07.10	17.09	01.07.10	18.10	Internal fault
		04.07.10	21.26	04.07.10	23.00	Tripped due to tripping of associated transmission lines
		10.07.10	15.47	10.07.10	16.43	
		13.07.10	18.29	13.07.10	19.25	
		17.07.10	13.30	17.07.10	17.19	Exitor vibration problem
		19.07.10	15.05	19.07.10	19.13	

(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
		13.07.10	12.02			Flame failure
		27.07.10	12.27	28.07.10	19.40	Generation back down due to low demand and high frequency.
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.
		09.07.10	11.40	09.07.10	13.00	Electrical fault
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
		31.07.10	17.30	31.07.10	20.46	FD fan tripped
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
		04.07.10	12.29	31.07.10	23.59	Planned shut-down for maintenance
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
		14.07.10	04.50	14.07.10	07.35	Electrical 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 to 01.07.2010

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. @ 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 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**

B) Allocation from Unallocated quota of Central Sector Generating Stations to Delhi w.e.f. 02.07.2010 to 23.07.2010

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							
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
Sewa HEP	80	12	11	10	0	0	10
Dhauli Ganga HEP	280	42	37	35	0	0	35
Dulhasti HEP	390	58	50	48	0	0	48
TOTAL	**3034**	**166**	**345**	**328**	**0**	**0**	**328**
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	**15146**	**1613**	**2573**	**2277**	**0**	**0**	**2277**
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	**21356**	**1766**	**2863**	**2519**	**0**	**0**	**2519**

ii) Time Block 10.00HRS. - 18.00hrs. @ 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
Sewa HEP	80	12	11	10	1	1	11
Dhauli Ganga HEP	280	42	37	35	3	3	38
Dulhasti HEP	390	58	50	48	4	4	51
TOTAL	**3034**	**166**	**345**	**328**	**12**	**11**	**340**
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	**15146**	**1613**	**2573**	**2277**	**96**	**87**	**2363**
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	**21356**	**1766**	**2863**	**2519**	**96**	**87**	**2605**

iii) Time Block 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
Sewa HEP	80	12	11	10	1	1	11
Dhauli Ganga HEP	280	42	37	35	3	3	38
Dulhasti HEP	390	58	50	48	4	4	51
TOTAL	**3034**	**166**	**345**	**328**	**12**	**11**	**340**
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	**15146**	**1613**	**2573**	**2277**	**110**	**99**	**2376**
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	**21356**	**1766**	**2863**	**2519**	**110**	**99**	**2617**

C) Allocation from Unallocated quota of Central Sector Generating Stations to Delhi w.e.f. 24.07.2010

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	980	0	882	766	0	0	766
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**	**1005**	**2321**	**2029**	**0**	**0**	**2029**
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**	**1619**	**3020**	**2665**	**0**	**0**	**2665**
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	**21886**	**1772**	**3309**	**2907**	**0**	**0**	**2907**

ii) Time Block 10.00HRS. - 18.00hrs. @ 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	980	0	882	766	0	0	766
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	**8782**	**1005**	**2321**	**2029**	**58**	**51**	**2080**
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
Sewa HEP	120	18	16	15	1	1	17
Dhauli Ganga HEP	280	42	37	35	3	3	38
Dulhasti HEP	390	58	50	48	4	4	51
TOTAL	**3074**	**172**	**351**	**333**	**13**	**12**	**345**
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	**15676**	**1619**	**3020**	**2665**	**97**	**87**	**2752**
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	**21886**	**1772**	**3309**	**2907**	**97**	**87**	**2994**

iii) Time Block 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	980	0	882	766	0	0	766
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	**8782**	**1005**	**2321**	**2029**	**58**	**51**	**2080**
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
Sewa HEP	120	18	16	15	1	1	17
Dhauli Ganga HEP	280	42	37	35	3	3	38
Dulhasti HEP	390	58	50	48	4	4	51
TOTAL	**3074**	**172**	**351**	**333**	**13**	**12**	**345**
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	**15676**	**1619**	**3020**	**2665**	**111**	**99**	**2764**
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	**21886**	**1772**	**3309**	**2907**	**111**	**99**	**3006**

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 JULY 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	16:10:13	0	61	209	278	507	1055	3665	4081	416	4720	13	4733
2	16:43:07	0	62	208	278	519	1067	3422	3690	268	4489	10	4499
3	15:58:36	0	61	213	283	500	1057	3302	3744	442	4359	5	4364
4	00:41:28	0	61	184	290	574	1109	3120	3320	200	4229	10	4239
5	16:02:41	0	109	112	265	356	842	2745	3043	298	3587	0	3587
6	22:59:11	0	123	72	296	349	840	2944	2733	-211	3784	42	3826
7	15:15:04	0	119	70	287	364	840	3346	3154	-192	4186	0	4186
8	14:49:23	0	119	70	287	364	840	3321	3562	241	4161	0	4161
9	15:41:41	0	118	144	282	419	963	3589	3700	111	4552	52	4604
10	15:05:07	0	119	142	286	369	916	3639	3701	62	4555	26	4581
11	23:34:40	0	121	146	289	408	964	3273	3552	279	4237	48	4285
12	15:10:47	0	113	142	286	366	907	3674	3761	87	4581	28	4609
13	22:55:56	0	52	102	292	401	847	3457	3511	54	4304	8	4312
14	15:47:38	0	61	170	283	415	929	3525	3895	370	4454	30	4484
15	21:54:49	0	67	174	289	481	1011	3473	3513	40	4484	11	4495
16	15:10:09	0	65	169	282	442	958	3580	3836	256	4538	66	4604
17	15:28:58	0	63	176	181	424	844	3509	3772	263	4353	26	4379
18	15:30:00	0	126	171	282	430	1009	3224	3670	446	4233	42	4275
19	16:57:47	0	84	180	289	424	977	3313	3628	315	4290	0	4290
20	00:00:19	0	84	180	289	424	977	2991	3031	40	3968	0	3968
21	15:06:04	0	84	180	288	424	976	3015	3588	573	**3991**	**17**	4008
22	22:59:32	0	84	180	288	424	976	3054	3484	430	4030	4	4034
23	15:12:50	0	128	65	286	424	903	3411	3930	519	4314	0	4314
24	19:55:50	0	84	180	289	424	977	3171	3405	234	4148	0	4148
25	22:55:43	0	60	101	292	365	818	3302	3599	297	4120	5	4125
26	15:07:21	0	120	102	278	370	870	3433	3771	338	4303	23	4326
27	00:00:03	0	120	108	292	428	948	3150	3223	73	4098	0	4098
28	23:30:06	0	123	107	294	430	954	3175	3198	23	4129	3	4132
29	14:45:29	0	124	189	287	434	1034	3226	3461	235	4260	6	4266
30	16:04:24	0	121	215	293	419	1048	3165	3895	730	4213	8	4221
31	00:00:21	0	122	190	298	337	947	2877	3717	840	3824	0	3824

7 POWER AVAILABILITY- DEMAND POSITION AT THE TIME OF MAXIMUM UNRESTRICTED DEMAND DURING JULY 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	16:10:13	0	61	209	278	507	1055	3665	4081	416	4720	13	4733
2	16:00:00	0	62	210	275	510	1057	3399	3468	69	4456	77	4533
3	15:58:36	0	61	213	283	500	1057	3302	3744	442	4359	5	4364
4	00:41:28	0	61	184	290	574	1109	3120	3320	200	4229	10	4239
5	16:02:41	0	109	112	265	356	842	2745	3043	298	3587	0	3587
6	22:59:11	0	123	72	296	349	840	2944	2733	-211	3784	42	3826
7	15:15:04	0	119	70	287	364	840	3346	3154	-192	4186	0	4186
8	15:00:00	0	119	0	286	424	829	3269	3562	293	4098	79	4177
9	15:41:41	0	118	144	282	419	963	3589	3700	111	4552	52	4604
10	15:05:07	0	119	142	286	369	916	3639	3701	62	4555	26	4581
11	23:34:40	0	121	146	289	408	964	3273	3552	279	4237	48	4285
12	15:10:47	0	113	142	286	366	907	3674	3761	87	4581	28	4609
13	22:55:56	0	52	102	292	401	847	3457	3511	54	4304	8	4312
14	15:47:38	0	61	170	283	415	929	3525	3895	370	4454	30	4484
15	21:54:49	0	67	174	289	481	1011	3473	3513	40	4484	11	4495
16	15:10:09	0	65	169	282	442	958	3580	3836	256	4538	66	4604
17	15:28:58	0	63	176	181	424	844	3509	3772	263	4353	26	4379
18	15:30:00	0	126	171	282	430	1009	3224	3670	446	4233	42	4275
19	16:57:47	0	84	180	289	424	977	3313	3628	315	4290	0	4290
20	00:00:19	0	84	180	289	424	977	2991	3031	40	3968	0	3968
21	15:06:04	0	84	180	288	424	976	3015	3588	573	**3991**	**17**	4008
22	22:59:32	0	84	180	288	424	976	3054	3484	430	4030	4	4034
23	15:12:50	0	128	65	286	424	903	3411	3930	519	4314	0	4314
24	19:55:50	0	84	180	289	424	977	3171	3405	234	4148	0	4148
25	22:55:43	0	60	101	292	365	818	3302	3599	297	4120	5	4125
26	15:07:21	0	120	102	278	370	870	3433	3771	338	4303	23	4326
27	00:00:03	0	120	108	292	428	948	3150	3223	73	4098	0	4098
28	23:30:06	0	123	107	294	430	954	3175	3198	23	4129	3	4132
29	14:45:29	0	124	189	287	434	1034	3226	3461	235	4260	6	4266
30	16:04:24	0	121	215	293	419	1048	3165	3895	730	4213	8	4221
31	00:00:21	0	122	190	298	337	947	2877	3717	840	3824	0	3824

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

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

A (i) RPH	77.039
JHAJJAR SHARE	0.682
NET RPH	76.357
(ii) GT+WHRU	102.638
(iii) PRAGATI	214.829
TOTAL (i+ii+iii)	393.824
B) AVAILABILITY FROM BTPS	315.038
C) AUXILIARY CONSUMPTION OF GENERATING STNs. EXCLUDING BTPS	18.492
D) NET GENERATION AVAILABLE WITHIN DELHI(A+B-C)	**690.370**

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	9.834	9.525	9.694	9.389
SALAL	48.047	46.543	48.460	46.943
TANKAPUR	8.038	7.786	8.076	7.823
CHAMERA	30.724	29.760	30.730	29.767
CHAMERA -II	27.395	26.536	27.405	26.546
DHAULIGANGA	23.434	22.703	23.440	22.709
SEWA-II	6.857	6.641	6.812	6.598
URI	38.629	37.417	38.651	37.438
ANTA (GAS)	16.586	16.067	13.690	13.263
ANTA (RLNG)	12.336	11.952	1.211	1.175
ANTA (LIQUID)	0.000	0.000	0.000	0.000
DADRI (GAS)	43.068	41.712	36.601	35.452
DADRI (RLNG)	17.103	16.567	1.364	1.323
DADRI (LIQUID)	0.000	0.000	0.000	0.000
AURAIYA (GAS)	34.905	33.809	29.148	28.235
AURAIYA (RLNG)	15.523	15.038	1.391	1.349
AURAIYA (LIQUID)	0.116	0.112	0.000	0.000
SINGRAULI	104.832	101.547	102.723	99.505
RIHAND -I	73.068	70.776	71.774	69.523
RIHAND -II	91.768	88.892	90.530	87.695
UNCHAHAR-I	16.189	15.683	14.070	13.632
UNCHAHAR-II	34.128	33.057	29.437	28.517
UNCHAHAR-III	21.541	20.865	18.579	17.998
DADRI (TH)	525.475	508.984	479.221	464.199
DADRI (TH) STAGE-II	315.933	306.032	289.542	280.478
NAPP	10.024	9.710	10.024	9.710
RAPP 'B'	1.673	1.621	1.673	1.621
RAPP 'C'	15.186	14.706	14.909	14.438
NATHPA JHAKRI	93.601	90.662	93.592	90.653
DULASTI	35.829	34.707	35.945	34.819
TEHRI	13.983	13.544	13.983	13.544
KHELGAON	27.671	26.801	26.139	25.320
KHELGAON-II	44.913	43.496	44.349	42.950
FARAKA	13.500	13.077	12.279	11.895
TALA	22.349	21.648	22.384	21.682
TALCHER	0.000	0.000	0.000	0.000
DVC	55.447	54.192	52.210	50.472
ORISSA	36.970	36.134	34.576	33.433
MADHYA PRADESH	157.084	148.794	140.876	136.243

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
CHATTISHGARH	15.861	15.498	14.667	14.197
CHATTISHGARH	433.853	410.348	387.103	374.273
WEST BENGAL	41.698	40.755	39.386	38.084
MAHARASTHRA	32.397	30.459	28.763	27.776
RAJASTHAN	4.637	4.484	4.637	4.484
HARYANA	0.000	0.000	0.000	0.000
UTTRANCHAL	29.760	28.776	29.760	28.776
HIMACHAL PRADESH	93.909	90.799	93.909	90.799
ANDHRA PRADESH	51.624	49.404	47.123	45.561
KARNATAKA	30.458	29.145	27.840	26.919
NAGALAND	15.870	15.510	14.990	14.496
ARUNACHAL PRADESH	17.567	17.169	16.591	16.042
TRIPURA	11.191	10.938	10.570	10.220
UTTAR PRADESH	17.360	16.786	17.360	16.786
MEGHALAYA	22.876	22.359	21.606	20.892
TAMILNADU	20.205	19.334	18.939	18.312
TO UTTAR PRADESH	-42.862	-44.325	-42.862	-44.325
TO KERALA	-0.142	-0.146	-0.146	-0.150
TO MAHARASHTRA	-0.374	-0.382	-0.382	-0.394
TO MADHYA PRADESH	-7.279	-7.630	-7.630	-7.880
TO WEST BENGAL	-0.654	-0.669	-0.669	-0.690
POWER EXCHANGE(IEX)	0.173	0.167	0.173	0.167
TO POWER EXCHANGE (IEX)	-203.048	-210.072	-203.048	-210.072
POWRER EXCHANGE(PX)	0.000	0.000	0.000	0.000
TO POWER EXCHANGE (PX)	-6.535	-6.758	-6.535	-6.758
TOTAL	**2622.301**	**2509.047**	**2387.633**	**2293.852**

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	1322.570	1281.092	1179.281	1142.343
NTPC - ER	86.083	83.374	82.767	80.164
NHPC	228.786	221.619	229.212	222.032
NPC	26.883	26.037	26.607	25.769
NATHPA JHAKRI	93.601	90.662	93.592	90.653
TEHRI	13.983	13.544	13.983	13.544
TALA	22.349	21.648	22.384	21.682
TALCHER	0.000	0.000	0.000	0.000
DVC	55.447	54.192	52.210	50.472
ORISSA	36.970	36.134	34.576	33.433
MADHYA PRADESH	157.084	148.794	140.876	136.243
CHATTISHGARH	15.861	15.498	14.667	14.197
CHATTISHGARH	433.853	410.348	387.103	374.273
WEST BENGAL	41.698	40.755	39.386	38.084
MAHARASTHRA	32.397	30.459	28.763	27.776
RAJASTHAN	4.637	4.484	4.637	4.484
UTTRANCHAL	29.760	28.776	29.760	28.776
HIMACHAL PRADESH	93.909	90.799	93.909	90.799
ANDHRA PRADESH	51.624	49.404	47.123	45.561
KARNATAKA	30.458	29.145	27.840	26.919

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
NAGALAND	15.870	15.510	14.990	14.496
ARUNACHAL PRADESH	17.567	17.169	16.591	16.042
TRIPURA	11.191	10.938	10.570	10.220
UTTAR PRADESH	17.360	16.786	17.360	16.786
MEGHALAYA	22.876	22.359	21.606	20.892
TAMILNADU	20.205	19.334	18.939	18.312
POWER EXCHANGE(IEX)	0.173	0.167	0.173	0.167
POWER EXCHANGE(PX)	0.000	0.000	0.000	0.000
TOTAL	**2883.196**	**2779.029**	**2648.905**	**2564.120**

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	-42.862	-44.325	-42.862	-44.325
TO KERALA	-0.142	-0.146	-0.146	-0.150
TO MAHARASHTRA	-0.374	-0.382	-0.382	-0.394
TO MADHYA PRADESH	-7.279	-7.630	-7.630	-7.880
TO WEST BENGAL	-0.654	-0.669	-0.669	-0.690
TO UTTRANCHAL	0.000	0.000	0.000	0.000
TO RAJASTHAN	0.000	0.000	0.000	0.000
TO POWER EXCHANGE (IEX)	-203.048	-210.072	-203.048	-210.072
TO POWER EXCHANGE (PX)	-6.535	-6.758	-6.535	-6.758
TOTAL	**-260.895**	**-269.982**	**-261.272**	**-270.269**
TOTAL CONSUMPTION INCLUDING AUX. OF GENERATING STNs. EXCLUDING BTPS				2575.720
NET CONSUMPTION				2557.228
AVAILABILITY WITHIN DELHI				690.370
ACTUAL DRAWAL FROM THE GRID				1866.858
OVER DRAWAL(+)/UNDER DRAWAL(-) FROM THE GRID ON THE BASIS OF SCHEDULED ALLOCATION MADE BY NRLDC TO DELHI AT PERIPHERY				(-)426.994
LOAD SHEDDING				**9.275**
UNRESTRICTED DEMAND (GROSS)				**2584.995**
UNRESTRICTED DEMAND (NET)				**2566.503**
MAX. NET CONSUMPTION				89.725Mus. ON 16.07.2010
MAX. LOAD SHEDDING				757 MW ON 10.07.2010 AT 16.30HRS.
PEAK LOAD DAY PEAK EVENING PEAK	Peak Demand during the month 4720MW AT 16:10:13HRS ON 01.07.2010 4484MW AT 21:54:49HRS ON 15.07.2010			SHEDDING AT PEAK TIME 13MW 11MW
P.L.F. OF GENCO AND PRAGATI STNs.	RPH GT PRAGATI			76.70% 51.09% 87.50%

9 SHEDDING DETAILS DURING THE MONTH OF JULY 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-Jul-10	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
2-Jul-10	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
3-Jul-10	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
4-Jul-10	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
5-Jul-10	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
6-Jul-10	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
7-Jul-10	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
8-Jul-10	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
9-Jul-10	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
10-Jul-10	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
11-Jul-10	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
12-Jul-10	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
13-Jul-10	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
14-Jul-10	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
15-Jul-10	2	0.001	0.000	0.001	0.000	**0.002**	0.000	0.000	0.000	0.000
16-Jul-10	6	0.010	0.006	0.004	0.000	**0.020**	0.000	0.000	0.000	0.000
17-Jul-10	7	0.022	0.013	0.031	0.000	**0.066**	0.000	0.000	0.000	0.000
18-Jul-10	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
19-Jul-10	3	0.000	0.007	0.003	0.000	**0.010**	0.000	0.000	0.000	0.000
20-Jul-10	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
21-Jul-10	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
22-Jul-10	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
23-Jul-10	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
24-Jul-10	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
25-Jul-10	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
26-Jul-10	1	0.000	0.001	0.000	0.000	**0.001**	0.000	0.000	0.000	0.000
27-Jul-10	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
28-Jul-10	1	0.000	0.008	0.000	0.000	**0.008**	0.000	0.041	0.000	0.000
29-Jul-10	1	0.000	0.002	0.000	0.000	**0.002**	0.000	0.000	0.168	0.000
30-Jul-10	3	0.005	0.000	0.006	0.000	**0.011**	0.000	0.000	0.000	0.000
31-Jul-10	2	0.000	0.000	0.005	0.000	**0.005**	0.000	0.000	0.000	0.000
	26	**0.038**	**0.037**	**0.050**	**0.000**	**0.125**	**0.000**	**0.041**	**0.168**	**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-Jul-10	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.042	0.000	0.011	0.000	0.000
2-Jul-10	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.011	0.000	0.010	0.009	0.000
3-Jul-10	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.033	0.000	0.000	0.000
4-Jul-10	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.031	0.023	0.012	0.065	0.000
5-Jul-10	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.010	0.117	0.000	0.000	0.000
6-Jul-10	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.002	0.122	0.061	0.000	0.000
7-Jul-10	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.033	0.059	0.006	0.000	0.000
8-Jul-10	0.013	0.000	0.014	0.000	**0.027**	**0.027**	0.000	0.009	0.000	0.334	0.000
9-Jul-10	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.060	0.143	0.007	0.000	0.000
10-Jul-10	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.758	0.085	0.013	0.000	0.000
11-Jul-10	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.017	0.098	0.000	0.000
12-Jul-10	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.009	0.008	0.038	0.000	0.000
13-Jul-10	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.434	0.052	0.027	0.000	0.000
14-Jul-10	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.054	0.006	0.027	0.000	0.000
15-Jul-10	0.000	0.000	0.000	0.000	**0.000**	**0.002**	0.003	0.059	0.000	0.000	0.000
16-Jul-10	0.000	0.000	0.000	0.000	**0.000**	**0.020**	0.028	0.164	0.010	0.000	0.000
17-Jul-10	0.000	0.000	0.000	0.000	**0.000**	**0.066**	0.061	0.473	0.000	0.000	0.000
18-Jul-10	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.010	0.120	0.000	0.000	0.000
19-Jul-10	0.000	0.000	0.000	0.000	**0.000**	**0.010**	0.022	0.002	0.000	0.000	0.000
20-Jul-10	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.007	0.000	0.093	0.000
21-Jul-10	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.035	0.207	0.000	0.000
22-Jul-10	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.011	0.015	0.027	0.000	0.000
23-Jul-10	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
24-Jul-10	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
25-Jul-10	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.136	0.016	0.004	0.000	0.000
26-Jul-10	0.000	0.000	0.000	0.000	**0.000**	**0.001**	0.008	0.122	0.023	0.000	0.000
27-Jul-10	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.002	0.003	0.003	0.000	0.000
28-Jul-10	0.000	0.000	0.000	0.000	**0.041**	**0.049**	0.000	0.000	0.000	0.000	0.000
29-Jul-10	0.000	0.000	0.000	0.000	**0.168**	**0.170**	0.000	0.096	0.103	0.000	0.000
30-Jul-10	0.000	0.000	0.000	0.000	**0.000**	**0.011**	0.004	0.070	0.007	0.000	0.000
31-Jul-10	0.000	0.000	0.000	0.000	**0.000**	**0.005**	0.000	0.000	0.000	0.000	0.000
Total	**0.013**	**0.000**	**0.014**	**0.000**	**0.236**	**0.361**	**1.729**	**1.856**	**0.694**	**0.501**	**0.000**

ALL FIGURES IN MUs

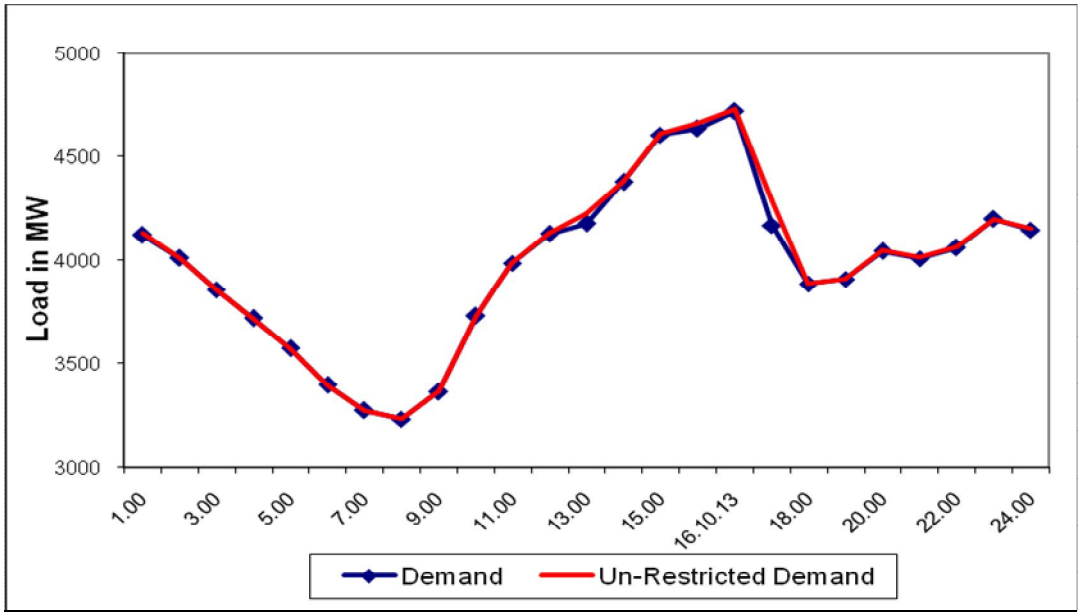
DATE	DUE TO T&D CONTRAINTS			OTHER AGENCIES LIKE GENCO, BBMB, BTPS ETC.	THEFT PRONE SHEDDING			TOTAL SHEDDING DUE TO T&D CONSTS. & THEFT PRONE	GRAND TOTAL
	DISCOMS								
	BSES		NDPL		BSES		NDPL		
	BYPL	BRPL			BYPL	BRPL			
1	23	24	25	2+	27	28	29	30=18 to29	31=30+17
1-Jul-10	0.014	0.159	0.090	0.000	0.000	0.000	0.000	**0.316**	**0.316**
2-Jul-10	0.046	0.063	0.039	0.064	0.000	0.000	0.000	**0.242**	**0.242**
3-Jul-10	0.015	0.066	0.009	0.000	0.000	0.000	0.000	**0.123**	**0.123**
4-Jul-10	0.102	0.150	0.067	0.000	0.000	0.000	0.000	**0.450**	**0.450**
5-Jul-10	0.008	0.000	0.038	0.000	0.000	0.000	0.000	**0.173**	**0.173**
6-Jul-10	0.000	0.075	0.029	0.000	0.000	0.000	0.000	**0.289**	**0.289**
7-Jul-10	0.000	0.046	0.001	0.000	0.000	0.000	0.000	**0.145**	**0.145**
8-Jul-10	0.012	0.041	0.017	0.003	0.000	0.000	0.000	**0.416**	**0.443**
9-Jul-10	0.099	0.042	0.039	0.051	0.000	0.000	0.000	**0.441**	**0.441**
10-Jul-10	0.009	0.245	0.065	0.059	0.000	0.000	0.000	**1.234**	**1.234**
11-Jul-10	0.012	0.033	0.009	0.000	0.000	0.000	0.000	**0.169**	**0.169**
12-Jul-10	0.014	0.140	0.112	0.000	0.000	0.000	0.000	**0.321**	**0.321**
13-Jul-10	0.014	0.124	0.005	0.000	0.000	0.000	0.000	**0.656**	**0.656**
14-Jul-10	0.019	0.121	0.054	0.000	0.000	0.000	0.000	**0.281**	**0.281**
15-Jul-10	0.102	0.117	0.008	0.000	0.000	0.000	0.000	**0.289**	**0.291**
16-Jul-10	0.056	0.083	0.047	0.000	0.000	0.000	0.000	**0.388**	**0.408**
17-Jul-10	0.086	0.103	0.000	0.000	0.000	0.000	0.000	**0.723**	**0.789**
18-Jul-10	0.043	0.022	0.003	0.029	0.000	0.000	0.000	**0.227**	**0.227**
19-Jul-10	0.009	0.052	0.002	0.000	0.000	0.000	0.000	**0.087**	**0.097**
20-Jul-10	0.059	0.040	0.010	0.000	0.000	0.000	0.000	**0.209**	**0.209**
21-Jul-10	0.039	0.036	0.074	0.000	0.000	0.000	0.000	**0.391**	**0.391**
22-Jul-10	0.040	0.000	0.003	0.000	0.000	0.000	0.000	**0.096**	**0.096**
23-Jul-10	0.036	0.075	0.013	0.000	0.000	0.000	0.000	**0.124**	**0.124**
24-Jul-10	0.044	0.072	0.005	0.000	0.000	0.000	0.000	**0.121**	**0.121**
25-Jul-10	0.052	0.029	0.005	0.000	0.000	0.000	0.000	**0.242**	**0.242**
26-Jul-10	0.019	0.057	0.007	0.000	0.000	0.000	0.000	**0.236**	**0.237**
27-Jul-10	0.003	0.000	0.001	0.000	0.000	0.000	0.000	**0.012**	**0.012**
28-Jul-10	0.015	0.035	0.018	0.000	0.000	0.000	0.000	**0.068**	**0.117**
29-Jul-10	0.017	0.078	0.001	0.000	0.000	0.000	0.000	**0.295**	**0.465**
30-Jul-10	0.024	0.014	0.002	0.000	0.000	0.000	0.000	**0.121**	**0.132**
31-Jul-10	0.008	0.015	0.006	0.000	0.000	0.000	0.000	**0.029**	**0.034**
Total	**1.016**	**2.133**	**0.779**	**0.206**	**0.000**	**0.000**	**0.000**	**8.914**	**9.275**

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-Jul-10	**88.904**	4720	16:10:13	13	**4733**	**4733**	16:10:13	4720	13
2-Jul-10	**86.993**	4489	16:43:07	10	**4499**	**4533**	16:00	4456	77
3-Jul-10	**87.405**	4359	15:58:36	5	**4364**	**4364**	15:58:36	4359	5
4-Jul-10	**73.772**	4229	00:41:28	10	**4239**	**4239**	00:41:28	4229	10
5-Jul-10	**78.661**	3587	16:02:41	0	**3587**	**3587**	16:02:41	3587	0
6-Jul-10	**74.570**	3784	22:59:11	42	**3826**	**3826**	22:59:11	3784	42
7-Jul-10	**78.884**	4186	15:15:04	0	**4186**	**4186**	15:15:04	4186	0
8-Jul-10	**82.578**	4161	14:49:23	0	**4161**	**4177**	15:00	4098	79
9-Jul-10	**87.908**	4552	15:41:41	52	**4604**	**4604**	15:41:41	4552	52
10-Jul-10	**86.770**	4555	15:05:07	26	**4581**	**4581**	15:05:07	4555	26
11-Jul-10	**84.925**	4237	23:34:40	48	**4285**	**4285**	23:34:40	4237	48
12-Jul-10	**82.182**	4581	15:10:47	28	**4609**	**4609**	15:10:47	4581	28
13-Jul-10	**77.697**	4304	22:55:56	8	**4312**	**4312**	22:55:56	4304	8
14-Jul-10	**85.597**	4454	15:47:38	30	**4484**	**4484**	15:47:38	4454	30
15-Jul-10	**88.034**	4484	21:54:49	11	**4495**	**4495**	21:54:49	4484	11
16-Jul-10	**89.725**	4538	15:10:09	66	**4604**	**4604**	15:10:09	4538	66
17-Jul-10	**87.475**	4353	15:28:58	26	**4379**	**4379**	15:28:58	4353	26
18-Jul-10	**87.791**	4233	15:30:00	42	**4275**	**4275**	15:30	4233	42
19-Jul-10	**84.429**	4290	16:57:47	0	**4290**	**4290**	16:57:47	4290	0
20-Jul-10	**75.270**	3968	00:00:19	0	**3968**	**3968**	00:00:19	3968	0
21-Jul-10	**78.015**	**3991**	**15:06:04**	**17**	**4008**	**4008**	15:06:04	3991	17
22-Jul-10	**79.125**	4030	22:59:32	4	**4034**	**4034**	22:59:32	4030	4
23-Jul-10	**82.806**	4314	15:12:50	0	**4314**	**4314**	15:12:50	4314	0
24-Jul-10	**85.043**	4148	19:55:50	0	**4148**	**4148**	**19:55:50**	**4148**	**0**
25-Jul-10	**80.207**	4120	22:55:43	5	**4125**	**4125**	22:55:43	4120	5
26-Jul-10	**85.200**	4303	15:07:21	23	**4326**	**4326**	15:07:21	4303	23
27-Jul-10	**79.118**	4098	00:00:03	0	**4098**	**4098**	00:00:03	4098	0
28-Jul-10	**78.106**	4129	23:30:06	3	**4132**	**4132**	23:30:06	4129	3
29-Jul-10	**83.479**	4260	14:45:29	6	**4266**	**4266**	14:45:29	4260	6
30-Jul-10	**84.299**	4213	16:04:24	8	**4221**	**4221**	16:04:24	4213	8
31-Jul-10	**72.260**	3824	00:00:21	0	**3824**	**3824**	00:00:21	3824	0
Total	**2557.228**	**Max 4720 01.07.10 16:10:13**			**Max 4733**	**4733 01.07.10 16:10:13**			

10 LOAD PATTERN OF DELHI ON THE DAY OF PEAK DEMAND MET DURING JULY 2010 ON 01.07.2010 – 4720MW at 16:10:13HRS.

All figures in MW

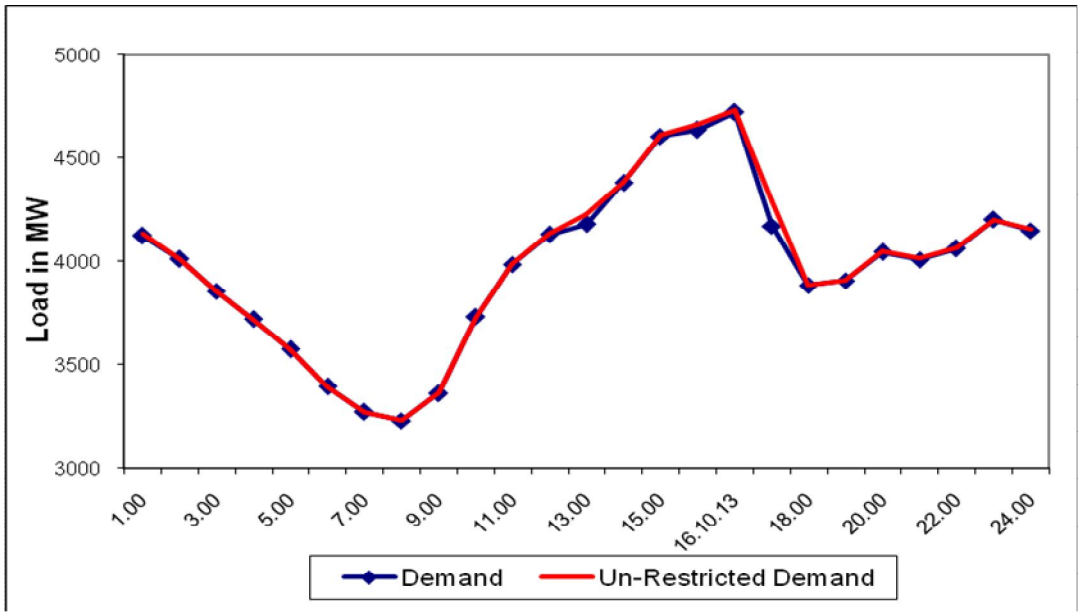
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	4123	11	4134
2.00	4011	2	4013
3.00	3858	0	3858
4.00	3720	0	3720
5.00	3575	0	3575
6.00	3396	0	3396
7.00	3273	0	3273
8.00	3233	0	3233
9.00	3365	0	3365
10.00	3733	0	3733
11.00	3987	1	3988
12.00	4128	5	4133
13.00	4180	48	4228
14.00	4382	0	4382
15.00	4608	8	4616
16.00	4637	25	4662
16.10.13	**4720**	13	4733
17.00	4170	118	4288
18.00	3885	0	3885
19.00	3908	1	3909
20.00	4044	3	4047
21.00	4009	6	4015
22.00	4062	4	4066
23.00	4201	2	4203
24.00	4149	8	4157
ENERGY IN Mus	88.904	0.316	89.220



11 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UN-RESTRICTED DEMAND DURING JULY 2010 – 01.07.2010– 4733MW at 16:10:13HRS.

All figures in MW

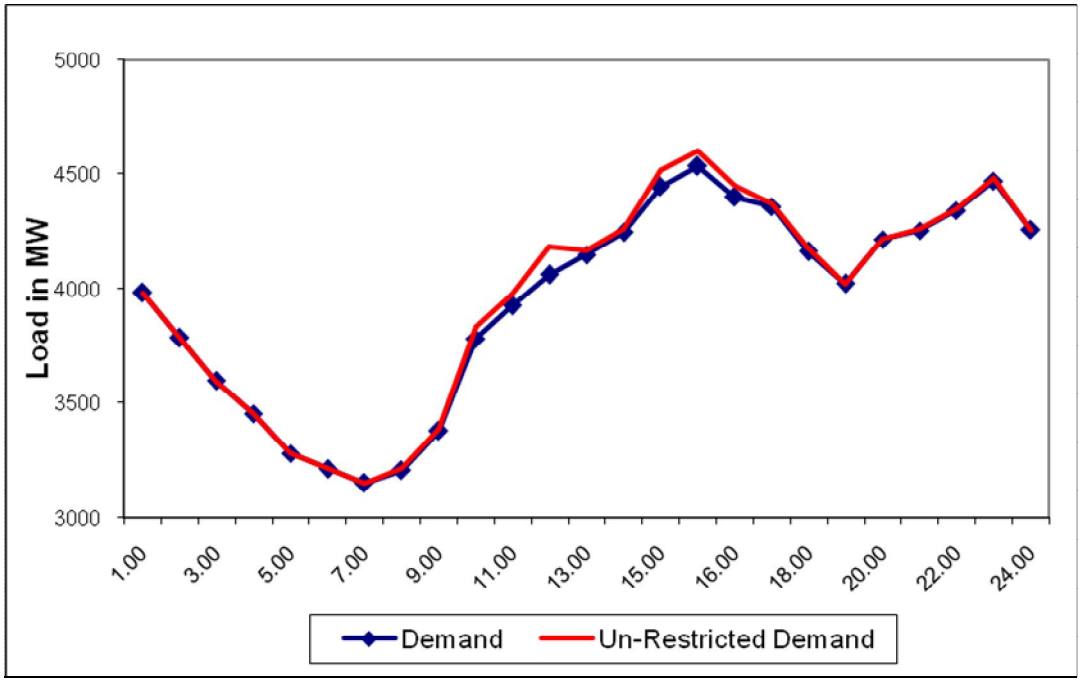
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	4123	11	4134
2.00	4011	2	4013
3.00	3858	0	3858
4.00	3720	0	3720
5.00	3575	0	3575
6.00	3396	0	3396
7.00	3273	0	3273
8.00	3233	0	3233
9.00	3365	0	3365
10.00	3733	0	3733
11.00	3987	1	3988
12.00	4128	5	4133
13.00	4180	48	4228
14.00	4382	0	4382
15.00	4608	8	4616
16.00	4637	25	4662
16.10.13	**4720**	13	**4733**
17.00	4170	118	4288
18.00	3885	0	3885
19.00	3908	1	3909
20.00	4044	3	4047
21.00	4009	6	4015
22.00	4062	4	4066
23.00	4201	2	4203
24.00	4149	8	4157
ENERGY IN Mus	88.904	0.316	89.220



12 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM ENERGY CONSUMED DURING JULY 2010 – 16.07.2010 – 89.725 Mus

All figures in MW

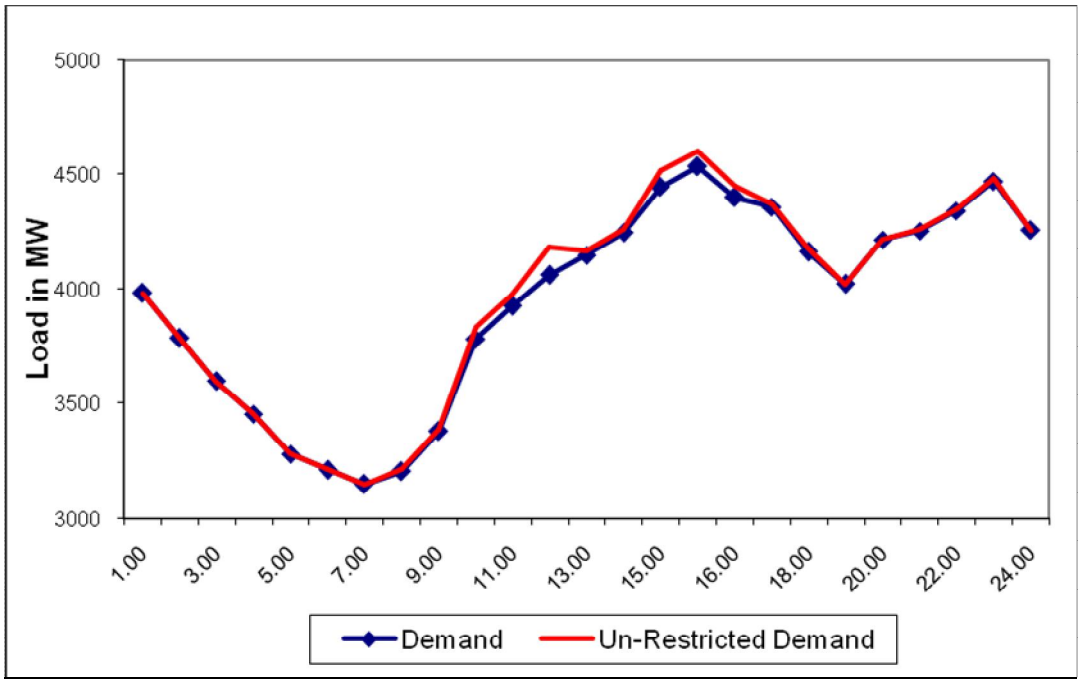
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	3985	0	3985
2.00	3789	0	3789
3.00	3598	0	3598
4.00	3456	0	3456
5.00	3282	0	3282
6.00	3214	0	3214
7.00	3152	0	3152
8.00	3207	8	3215
9.00	3381	10	3391
10.00	3785	52	3837
11.00	3928	50	3978
12.00	4063	118	4181
13.00	4148	21	4169
14.00	4245	17	4262
15.00	4448	68	4516
15.10.09	4538	66	4604
16.00	4402	49	4451
17.00	4361	13	4374
18.00	4162	17	4179
19.00	4024	0	4024
20.00	4215	0	4215
21.00	4256	8	4264
22.00	4344	8	4352
23.00	4474	10	4484
24.00	4257	0	4257
ENERGY IN Mus	**89.725**	0.408	90.133



13 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UNRESTRICTED ENERGY DEMAND DURING JULY 2010 – 16.07.2010 – 90.133Mus

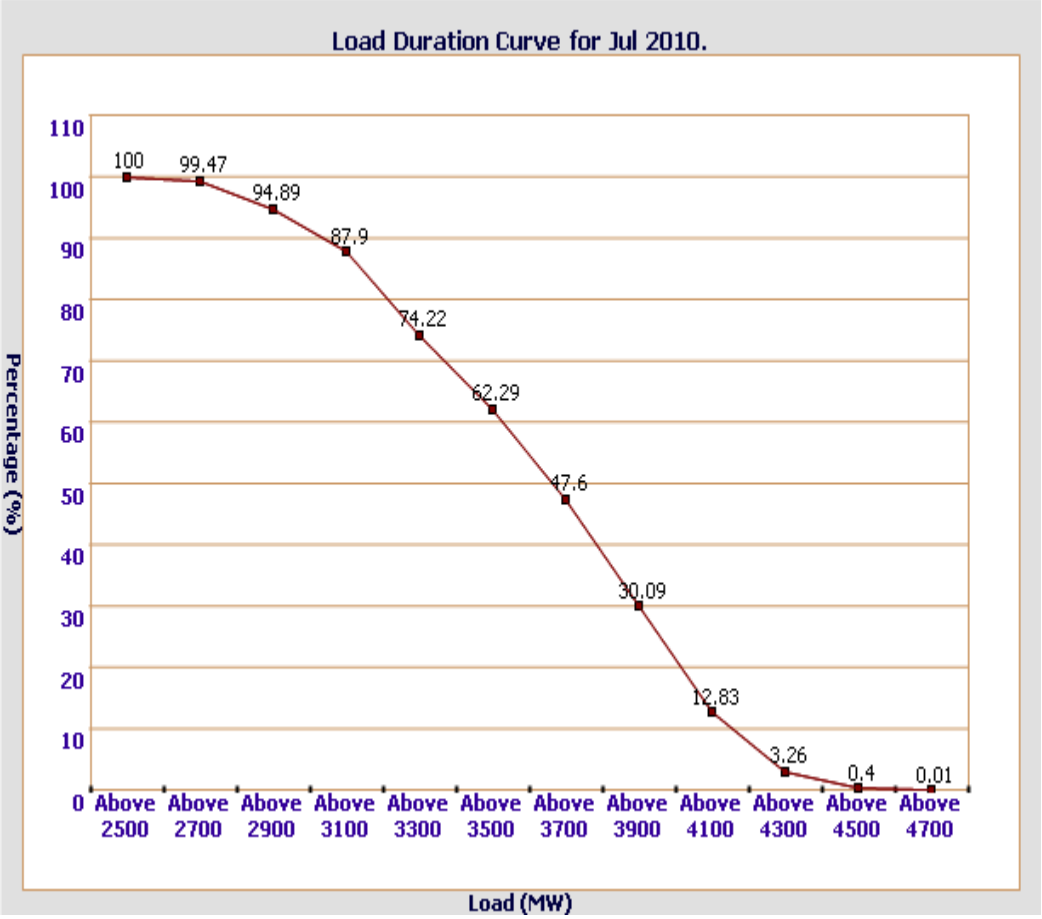
All figures in MW

Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	3985	0	3985
2.00	3789	0	3789
3.00	3598	0	3598
4.00	3456	0	3456
5.00	3282	0	3282
6.00	3214	0	3214
7.00	3152	0	3152
8.00	3207	8	3215
9.00	3381	10	3391
10.00	3785	52	3837
11.00	3928	50	3978
12.00	4063	118	4181
13.00	4148	21	4169
14.00	4245	17	4262
15.00	4448	68	4516
15.10.09	4538	66	4604
16.00	4402	49	4451
17.00	4361	13	4374
18.00	4162	17	4179
19.00	4024	0	4024
20.00	4215	0	4215
21.00	4256	8	4264
22.00	4344	8	4352
23.00	4474	10	4484
24.00	4257	0	4257
ENERGY IN Mus	89.725	0.408	**90.133**



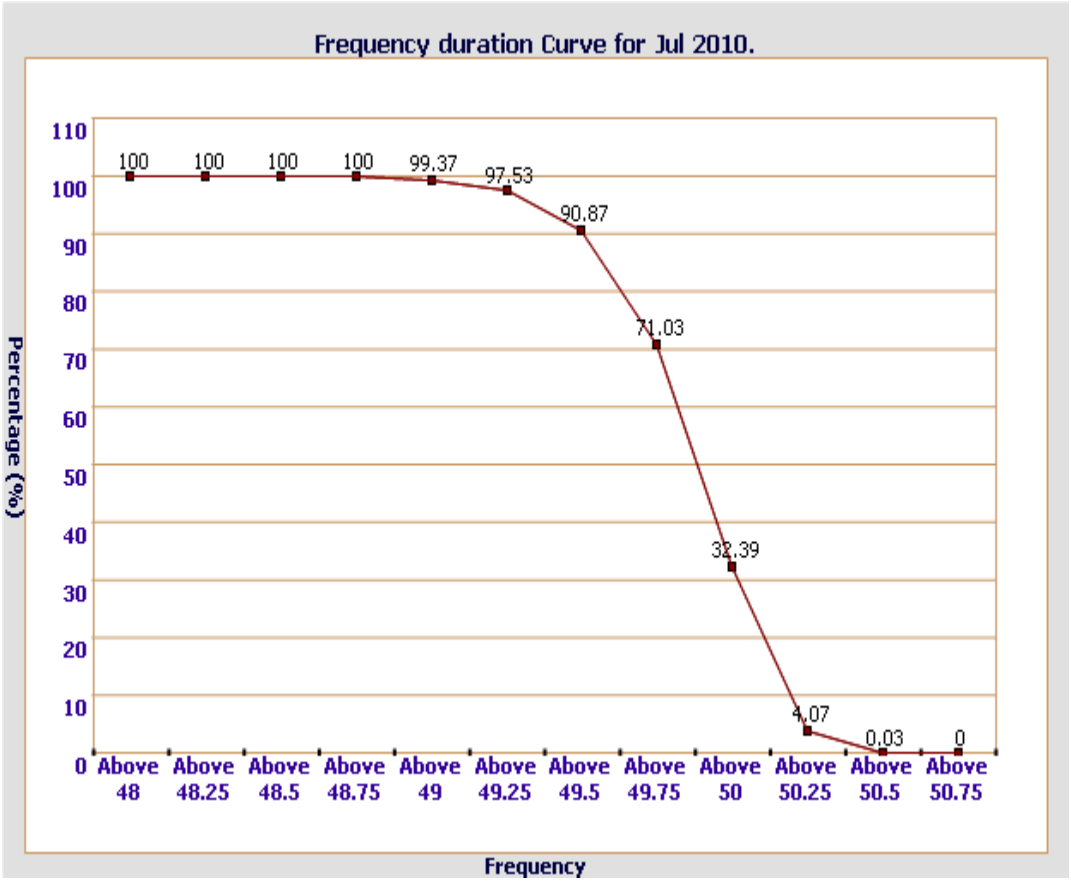
14 LOAD DURATION CURVE FOR JULY 2010

Load in MW	Percentage of Time
Above 2500	100 %
Above 2700	99.47 %
Above 2900	94.89 %
Above 3100	87.9 %
Above 3300	74.22 %
Above 3500	62.29 %
Above 3700	47.6 %
Above 3900	30.09 %
Above 4100	12.83 %
Above 4300	3.26 %
Above 4500	0.4 %
Above 4700	0.01 %



15 FREQUENCY ANALYSIS FOR THE MONTH OF JULY 2010

Frequency Range in Hz.	Percentage of time
Above 48.50	100 %
Above 48.75	100 %
Above 49.00	99.37 %
Above 49.25	97.53 %
Above 49.50	90.87 %
Above 49.75	71.03 %
Above 50.00	32.39 %
Above 50.25	4.07 %
Above 50.50	0.03 %
Above 50.75	0 %



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

All figures in kV

Date	NARELA		GAZIPUR	
	Max	Min	Max	Min
1-Jul-10	224.41	204.93	222.99	201.45
2-Jul-10	--	--	--	--
3-Jul-10	--	--	--	--
4-Jul-10	--	--	--	--
5-Jul-10	238.21	215.25	223.76	212.03
6-Jul-10	232.79	217.83	230.47	213.19
7-Jul-10	231.50	--	228.28	211.38
8-Jul-10	--	--	--	--
9-Jul-10	231.50	208.80	230.21	201.19
10-Jul-10	226.73	202.74	228.92	200.16
11-Jul-10	228.28	213.32	227.50	209.96
12-Jul-10	242.08	203.13	237.69	203.13
13-Jul-10	234.47	214.73	230.73	206.61
14-Jul-10	228.53	208.16	225.95	205.45
15-Jul-10	226.60	206.09	222.09	--
16-Jul-10	231.89	205.45	225.31	197.84
17-Jul-10	225.95	210.22	222.47	206.87
18-Jul-10	228.15	211.77	225.95	204.42
19-Jul-10	224.41	208.80	224.15	199.00
20-Jul-10	224.66	213.44	226.86	213.83
21-Jul-10	227.37	214.99	227.50	209.45
22-Jul-10	226.73	215.12	225.70	209.32
23-Jul-10	229.18	210.74	228.79	207.25
24-Jul-10	225.05	201.45	221.70	204.16
25-Jul-10	225.44	211.51	221.05	206.87
26-Jul-10	222.99	200.81	219.51	192.55
27-Jul-10	228.92	214.09	225.05	206.87
28-Jul-10	228.02	208.54	228.02	207.00
29-Jul-10	222.99	201.19	228.02	207.00
30-Jul-10	219.64	201.45	222.09	202.35
31-Jul-10	227.37	210.61	222.99	210.09

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

All figures in kV

Date	400kV Bamnauli Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
1-Jul-10	398.40	19.16.38	362.05	00.14.06	381.71
2-Jul-10	--	--	--	--	--
3-Jul-10	--	--	--	--	--
4-Jul-10	--	--	--	--	--
5-Jul-10	421.61	04.06.23	391.13	14.10.23	397.05
6-Jul-10	419.03	03.29.32	390.89	15.16.27	403.55
7-Jul-10	414.81	03.40.16	386.91	14.56.13	400.84
8-Jul-10	--	--	--	--	--
9-Jul-10	411.06	04.01.53	366.74	14.45.28	391.57
10-Jul-10	408.01	08.01.15	359.94	14.49.07	389.15
11-Jul-10	407.78	07.52.49	378.23	14.31.41	393.88
12-Jul-10	421.85	19.03.37	387.85	14.21.34	399.99
13-Jul-10	413.64	04.04.45	381.75	14.43.19	397.17
14-Jul-10	405.67	03.59.50	372.37	14.41.54	390.13
15-Jul-10	398.16	03.49.04	364.63	14.50.18	385.46
16-Jul-10	402.62	--	358.77	15.51.54	387.33
17-Jul-10	398.40	17.21.55	374.48	14.40.12	387.45
18-Jul-10	402.15	19.46.05	378.70	00.10.58	392.19
19-Jul-10	403.79	03.47.23	378.23	13.52.06	391.39
20-Jul-10	407.31	08.15.47	383.86	00.00.09	398.28
21-Jul-10	410.83	04.03.51	389.25	09.39.51	400.51
22-Jul-10	410.83	04.02.22	386.44	11.20.41	398.87
23-Jul-10	410.83	04.15.31	379.40	23.27.30	394.73
24-Jul-10	401.68	03.52.56	372.84	15.21.34	390.10
25-Jul-10	403.09	08.02.23	378.00	22.18.01	391.37
26-Jul-10	398.63	03.28.40	358.30	14.41.39	383.48
27-Jul-10	408.95	04.01.46	380.81	00.02.13	396.95
28-Jul-10	409.65	04.12.03	372.84	14.17.34	395.90
29-Jul-10	409.65	04.12.03	372.84	14.17.34	395.90
30-Jul-10	404.26	08.03.44	376.12	14.56.50	395.68
31-Jul-10	409.65	08.02.46	389.72	00.10.02	401.06

Date	400kV Bawana Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
1-Jul-10	399.81	19.16.28	365.10	00.14.16	383.93
2-Jul-10	--	--	--	--	--
3-Jul-10	--	--	--	--	--
4-Jul-10	--	--	--	--	--
5-Jul-10	421.85	04.06.13	392.77	14.12.44	398.37
6-Jul-10	419.50	03.28.22	394.88	15.00.46	406.26
7-Jul-10	416.69	03.40.26	390.89	14.56.13	403.50
8-Jul-10	--	--	--	--	--
9-Jul-10	413.87	04.01.42	372.60	14.45.18	396.03
10-Jul-10	411.06	08.01.25	365.34	14.48.57	393.34
11-Jul-10	409.89	07.52.29	382.22	14.52.01	397.37
12-Jul-10	425.13	19.03.27	391.60	10.40.45	403.74
13-Jul-10	416.92	04.04.25	386.20	14.52.29	401.26
14-Jul-10	409.18	04.00.00	377.29	14.41.44	394.68
15-Jul-10	401.92	03.49.54	369.79	14.50.18	389.86
16-Jul-10	405.67	--	365.57	15.52.14	392.23
17-Jul-10	402.85	17.21.25	381.05	00.11.51	391.93
18-Jul-10	406.37	19.16.53	382.92	14.35.37	394.45
19-Jul-10	409.89	19.54.16	374.01	15.49.32	394.92
20-Jul-10	414.81	03.46.12	392.30	12.12.21	404.68
21-Jul-10	413.41	04.03.51	389.25	09.39.51	402.78
22-Jul-10	413.17	02.56.18	390.89	11.20.31	402.87
23-Jul-10	413.87	04.15.41	385.50	23.28.40	399.14
24-Jul-10	405.67	03.52.26	377.53	15.22.44	394.59
25-Jul-10	407.31	18.01.01	383.86	23.12.04	395.38
26-Jul-10	401.45	03.29.10	363.46	14.41.39	387.56
27-Jul-10	411.53	04.49.49	385.03	00.02.13	400.66
28-Jul-10	412.47	04.12.33	377.06	14.18.04	399.28
29-Jul-10	409.65	04.12.03	372.84	14.17.34	395.90
30-Jul-10	406.84	08.03.44	379.40	14.57.00	398.61
31-Jul-10	411.06	08.02.06	393.24	00.09.52	403.59

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 JULY 2010

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REAPRKS
	DATE	TIME		DATE	TIME	
01	01.07.10	18.30	220/33KV 50MVA PR. TR.-II AT PATPARGANJ	01.07.10	18.30	TR. TRIPPED ON E/F, 86 ALONG WITH ITC 33KV I/C-II WHICH TRIPPED WITHOUT INDICATION.
02	02.07.10	09.45	66/11KV 20MVA PR. TR.-I AT OKHLA	02.01.10	20.03	TR. TRIPPED ALONGWITH ITS 11KV I/C-I ON 86
03	02.07.10	18.35	220KV SARITA VIHAR – MAHARANI BAGH CKT	02.07.10	19.09	CKT. TRIPPED ON DIST PROT ZONE-I AT MAHARANI BAGH AND ON DIST PROT `ABC' PHASE ZONE-I, 186A&B AT SARITA VIHAR.
04	04.07.10	02.57	220/66KV 100MVA PR. TR.-I AT PAPPANKALAN-II	04.07.10	03.50	TR. TRIPPED ON LBB PROT, 86 ALONG WITH 66KV I/C-I WHICH TRIPPED ON E/F, 86.
05	04.07.10	04.32	220/66KV 100MVA PR. TR.-II AT KANJHAWALA	04.07.10	15.01	TR. TIPPED ON DIFFERENTIAL ALONG WITH ITS 66KV I/C-II WHICH TRIPPED ON INTER TRIPPING
06	04.07.10	07.47	33/11KV 16MVA PR. TR.-I AT SUBZI MANDI	04.07.10	13.15	TR. TRIPPED ON 86, 30A.
07	04.07.10	09.20	220/66KV 100MVA PR. TR.-II AT VASANT KUNJ	11.07.10	19.50	TR. TRIPPED ON 86, 30D, LOW OIL FLOW ALARM.
08	04.07.10	14.52	220KV PATPARGANJ – GEETA COLONY CKT-I	04.07.10	15.09	CKT. TRIPPED ON ACTIVE GROUP-I, DIST PROT ZONE-I `ABC"PHASE AT PATPARGANJ AND ON MAIN-I : ACTIVE GROUP-I, DIST PROT ZONE-I `ABC' PHASE, 27, MAIN-II : 30E, 86, DIST PROT ZONE-I `ABC' PHASE AT GEETA COLONY
09	04.07.10	19.35	220/33KV 100MVA PR. TR.-II AT PARK STREET	04.07.10	20.10	TR. TRIPPED ON O/C, 51N, 86BB ALONG WITH ITS 33KV I/C WHICH TRIPPED WITHOUT INDICATION.
10	04.07.10	21.28	220KV PRAGATI – IP CKT-I & II	05.07.10	00.10	FOLLOWING TRIPPING OCCURRED : AT PRAGATI : IP CKT-I : DIST PROT ZONE-I, IP CKT-II: DIST PROT ZONE-I C PH, ACTIVE GR-I AT IP : PRAGATI CKT-I : DIST PROT. ZONE-I PRAGATI CKT-II : NO TRIPPING CKT.-I & II CHARGED AT 21.33HRS & 00.10HRS. (05.07.10) FROM IP STATION.
11	04.07.10	21.28	220/33KV 100MVA PR. TR.-I & II AT IP	04.07.10	23.48	BOTH TRANSFORMERS TRIPPED DUE TO 33KV BUS DIFFERENTIAL OPERATION AT IP. TR.-I & II CHARGED AT 23.48HRS AND 21.37HRS. RESPECTIVELY.
12	04.07.10	21.28	220KV PATPARGANJ – IP CKT-II	04.07.10	21.36	CKT. TRIPPED ON ACTIVE GROUP-I, DIST PROT `C' PHASE ZONE-I AT PATPARGANJ AND ON 186ABC AT IP
13	05.07.10	00.33	66/11KV 20MVA PR. TR.-II AT WAZIRABAD	05.07.10	02.19	TR. TRIPPED ON OLTC BUCHLOZ ALONG WITH ITS 11KV I/C-III WHICH TRIPPED WITHOUT INDICATION.
14	05.07.10	07.33	33/11KV 16MVA PR. TR. AT PATPARGANJ	05.07.10	14.45	TR. TRIPPED ON 86, O/C R&B PHASE ALONG WITH ITS 11KV I/C WHICH TRIPPED ON O/C `R&B' PHASE.
15	05.07.10	09.50	220/33KV 100MVA PR. TR.-III AT IP	05.07.10	12.03	TR. TRIPPED ON 86, ABC AUX RELAY ON 220KV SIDE ALONG WITH ITS 33KV I/C WHICH TRIPPED ON 86.

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REAPRKS
	DATE	TIME		DATE	TIME	
16	05.07.10	17.42	220/66KV 100MVA PR. TR.-I & III AT MEHRAULI	05.07.10	18.15	100MVA PR. TR.-I & III TRIPPED WITHOUT INDICATION. 66KV I/C-I, II & III ALSO TRIPPED WITHOUT INDICATION. JUMPER OF 66KV C-DOT CKT-II MELTTED AT 66KV BUS-I. 100MVA PR. TR.-I & III CHARGED AT 18.15HRS.
17	05.07.10	20.02	33/11KV 16MVA PR. TR.-II AT SUBZI MANDI	05.07.10	20.08	TR. TRIPPED ON E/F, O/C A`R' PHASE.
18	05.07.10	21.15	33/11KV 16MVA PR. TR.-II AT SUBZI MANDI	05.07.10	21.35	TR. TRIPPED ON 86, 87R.
19	06.07.10	07.23	220/66KV 160MVA PR. TR. AT PRAGATI	06.07.10	08.40	TR. TRIPPED ON 30A, BUCHLOZ, 86.
20	06.07.10	11.42	220KV SHALIMAR BAGH – ROHINI CKT-I	06.07.10	12.27	CKT. TRIPPED ON 186A, 186B AT ROHINI. CKT. TRIED TO CLOSE AT 11.48HRS. CKT. CLOSED ON NO LOAD. CKT. AGAIN TRIPPED WHEN 66KV ROHINI-IV CKT-I TRIED TO CLOSE. CKT. FINALLY CHARGED AT 12.27HRS.
21	06.07.10	15.53	220/33KV 100MVA PR. TR.-I AT PATPARGANJ	06.07.10	16.08	TR.TRIPPED ON 86 ALONG WITH ITS 33KV I/C-I WHICH ALSO TRIPPED ON 86.
22	06.07.10	16.41	220KV MEHRAULI – VASANT KUNJ CKT-II	06.07.10	17.04	CKT. TRIPPED ON DIST PROT `C' PHASE ZONE-II AT MEHRAULI. NO TRIPPING AT VASANT KUNJ.
23	06.07.10	17.38	220KV BAMNAULI – PAPPANKALAN-I CKT-II	06.07.10	17.47	CKT. TRIPPED ON DISTTANCE VT FUSE FAIL, CB POLE DISCREPANCY AT PAPPANKALAN-I. NO TRIPPING AT BAMNAULI.
24	06.07.10	21.47	220KV BAMNAULI – PAPPANKALAN-I CKT-II	06.07.10	21.57	CKT. TRIPPED ON POLE DISCREPANCY AT PAPPANKALAN-I. NO TRIPPING AT BAMNAULI
25	06.07.10	22.30	220KV BAMNAULI – PAPPANKALAN-I CKT-II	07.07.10	01.32	CKT. TRIPPED ON POLE DISCREPANCY AT PAPPANKALAN-I. NO TRIPPING AT BAMNAULI
26	07.07.10	08.10	2220KV BAMNAULI – PAPPANKALAN-I CKT-II	07.07.10	12.25	CKT. TRIPPED ON POLE DISCREPANCY AT PAPPANKALAN-I. NO TRIPPING AT BAMNAULI
27	07.07.10	18.54	2220KV BAMNAULI – PAPPANKALAN-I CKT-II	07.07.10	19.02	CKT. TRIPPED ON POLE DISCREPANCY AT PAPPANKALAN-I. NO TRIPPING AT BAMNAULI
28	07.07.10	20.15	2220KV BAMNAULI – PAPPANKALAN-I CKT-II	08.07.10	09.55	CKT. TRIPPED ON POLE DISCREPANCY AT PAPPANKALAN-I. NO TRIPPING AT BAMNAULI
29	07.07.10	06.45	220KV BAMNAULI – NARAINA CKT-I	07.07.10	07.33	CKT. TRIPPED ON DIST PROT `B' PHASE ZONE-I 186A&B AT BAMNAULI. NO TRIPPING AT NARAINA
30	08.07.10	13.24	220KV NARELA – ROHTAK ROAD CKT-II	08.07.10	13.53	CKT. TRIPPED ON DIST PROT `ABC' PHASE ZONE-I AT NARELA.
31	08.07.10	14.53	220/66KV 160MVA PR. TR. AT PRAGATI	08.07.10	19.25	TR. TRIPPED ON BUCHLOZ, 30A, 86K, 86
32	09.07.10	07.57	220KV BTPS – NOIDA – GAZIPUR CKT.	09.07.10	08.50	CKT. TRIPPED ON E/F AT BTPS. NO TRIPPING AT GAZIPUR
33	09.07.10	15.42	220KV BAWANA – DSIDC BAWANA CKT-I	10.07.10	03.19	CKT. TRIPPED ON DIST PROT `B&C' PHASE ZONE-I, 21XR1, 21XY1, 21XYB1, AT BAWANA. `C' PHASE CONDUCTOR SNAPPED

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REAPRKS
	DATE	TIME		DATE	TIME	
34	09.07.10	17.45	220/66KV 100MVA PR. TR.-I AT OKHLA	09.07.10	20.45	TR. TRIPPED ON 86, 30E ALONG WITH 66KV I/C-I & II. 66KV I/C-I TRIPPED WITHOUT INDICATION AND 66KV I/C-II TRIPPED ON 51CX, O/C. 66KV I/C-I & II CHARGED AT 20.45HRS. AND 17.57HRS. RESPECTIVELY.
35	10.07.10	15.45	220KV WAZIRABAD – GEETA COLONY CKT-I & II	10.07.10	17.20	FOLLOWING TRIPPINGS OCCURRED : AT WAZIRABAD : 220KV GEETA COLONY CKT-I : NO TRIPPING 220KV GEETA COLONY CKT-II : GENERAL TRIP, DIST PROT `RYB' PHASE, AT GEETA COLONY : 220KV WAZIRABAD CKT-I : ACTIVE GROUP-I, DIST PROT `ABC' PHASE ZONE-II 220KV WAZIRABD CKT-II : NO TRIPPING CKT.-I & II CLOSED AT 16.24HRS. AND 17.20HRS RESPECTIVELY.
36	10.07.10	15.45	220/66KV 100MVA PR. TR.-III AT WAZIRABAD	10.07.10	16.08	TR. TRIPPED ON E/F.
37	12.07.10	18.17	220KV PANIPAT – NARELA CKT-III	12.07.10	11.17	TR. TRIPPED ON O/C, E/F AT NARELA.
38	12.07.10	18.49	220KV BAWANA – ROHINI CKT-II	12.07.10	15.50	CKT. TRIPPED ON DIST PROT `B' PHASE ZONE-II AT BAWANA.
39	12.07.10	18.48	220KV SHALIMAR BAGH – ROHINI CKT-I	12.07.10	20.30	CKT. TRIPPED ON DIST PROT SOTF, 186A, 186B, AUTO RECLOSE AT ROHINI.
40	12.07.10	19.08	220/66KV 100MVA PR. TR. AT BAWANA	12.07.10	20.23	TR. TRIPPED ON 86A, 86B, BUCHLOZ RELAY.
41	12.07.10	19.40	220/33KV 100MVA PR. TR-III AT WAZIRABAD	13.07.10	03.42	TR. TRIPPED WITHOUT INDICATION.
42	12.07.10	20.30	220/66KV 100MVA PR. TR-I AT KANJHAWALA	12.07.10	22.02	TR. TRIPPED WITHOUT ALARM ON TRIP CKT. FAULTY, 195Y&B.
43	12.07.10	21.53	220KV KANJHAWALA – NAJAFGARH CKT	13.07.10	16.51	CKT TRIPPED ON DIST PROT ABC' PH, 186 AT NAJAFGARH AND ON DIST PROT `RYB' PHASE AT KANJHAWALA.
44	12.07.10	21.50	220KV BAWANA – NAJAFGARH CKT.	12.07.10	22.00	CKT. TRIPPED ON 186 AT NAJAFGARH.
45	12.07.10	21.50	220/66KV 100MVA PR. TR-II AT KANJHAWALA	13.07.10	12.55	TR. TRIPPED ON DIFFERENTIAL.
46	14.07.10	07.05	400KV BAMNAULI – BALLABHGARH CKT-I & II	14.07.10	07.15	BOTH CKT. TRIPPED ON DIST PROT `A&B', 295BC, 186 AT BAMNAULI.
47	14.07.10	08.55	220/66KV 100MVA PR. TR. AT BAWANA	14.07.10	12.43	TR. TIPPED ON 86A, 86, 30A, BUCHLOZ ALONG WITH 66KV I/C WHICH TRIPPED WITHOUT INDICATION.
48	14.07.10	16.54	220KV BAWANA – KANJHAWALA CKT.	14.07.10	17.10	CKT. TRIPPED ON PT FUSE FAILURE AT KANJHAWALA.
49	14.07.10	17.29	220KV BTPS – MEHRAULI CKT-I	14.07.10	17.40	CKT. TRIPPED ON DIST PROT ZONE-I AT MEHRAULI AND ON `C' PHASE E/F AT BTPS.
50	14.07.10	19.05	220KV WAZIRABAD – GEETA COLONY CKT-I	14.07.10	19.21	CKT. TRIPPED ON DIST PROT `RYB' PHASE ZONE-II AT WAZIRABAD. NO TRIPPING AT GEETA COLONY

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REAPRKS
	DATE	TIME		DATE	TIME	
51	14.07.10	19.33	220KV WAZIRABAD – GEETA COLONY CKT-I	14.07.10	20.07	CKT. TRIPPED ON DIST PROT `RYB' PHASE ZONE-II AT WAZIRABAD. NO TRIPPING AT GEETA COLONY
52	15.07.10	18.45	66/11KV 20MVA PR. TR.-II AT PAPPANKALAN-II	16.07.10	08.10	TR. TRIPPED ON LBB PROTECTION, LLO `B'PHASE.
53	15.07.10	21.30	66/11KV 20MVA PR. TR.-II AT NAJAFGARH	15.07.10	21.40	TR. TRIPPED ON 51CX, 86.
54	16.07.10	04.32	220/33KV 100MVA PR. TR.-I AT SUBZI MANDI	16.07.10	08.10	TR. TRIPPED ON 87 DIFFERENTIAL, 86, 64RLV
55	16.07.10	17.52	220KV MANDOLA – WAZIRABAD CKT-I	16.07.10	18.40	CKT. TRIPPED ON DIST PROT `B' PHASE ZONE-I, 186 AT MANDOLA AND ON RXME18, DIST PROT `Y&B' PHASE ZONE-I AT WAZIRABAD.
56	17.07.10	02.53	400KV BAMNAULI – BAWANA CKT-I	17.07.10	03.16	CKT. TRIPPED ON MAIN-I & II : DIST PROT `C' PHASE ZONE-I AT BAWANA ON CN 186AB AT BAMNAULI (BREAKER NO-452)
57	18.07.10	18.04	220KV GEETA COLONY – PATPARGANJ CKT-I	18.07.10	18.16	CKT. TRIPPED ON MAIN-I:ACTIVE GROUP-I, DIST PROT `ABC"PH ZONE-I, MAIN-II : DIST PROT `ABC' PH ZONE-I, 27RYB, 86, 30E AT GEETA COLONY. NO TRIPPING AT PATPARGANJ.
58	19.07.10	09.15	220KV GEETA COLONY – WAZIRABAD CKT-II	19.07.10	15.03	CKT. TRIPPED ON RXME18, DIST PROT `RYB' PHASE, ZONE-I AT WAZIRABAD AND ON ACTIVE GROUP-I, DIST PROT `ABC' PHASE ZONE-II AT GEETA COLONY.
59	19.07.10	21.36	220/66KV 100MVA PR. TR.-I AT MEHRAULI	30.09.10	24.00	TR. TRIPPED ON 86, 30A, BUCHLOZ, 87 ALONG WITH 66KV I/C-I WHICH TRIPPED ON INTER TRIPPING.
60	20.07.10	15.07	220/66KV 160MVA PR. TR. AT PRAGATI	20.07.10	19.10	TR. TRIPPED ON 30D, OLTC BUCHLOZ, 30E, 30A, 30B, 30C, 86, 195AC, 195BC, 195CC.
61	22.07.10	14.01	220/66KV 100MVA PR. TR.-II AT NARELA	22.07.10	14.24	TR. TRIPPED WITHOUT INDICATION ALONG WITH 66KV I/C-II WHICH TRIPPED ON INTER TRIPPING
62	22.07.10	15.10	220/66KV 100MVA PR. TR.-II AT NARELA	22.07.10	15.22	TR. TRIPPED WITHOUT INDICATION ALONG WITH 66KV I/C-II WHICH TRIPPED ON INTER TRIPPING
63	22.07.10	17.30	220KV WAZIRABAD – GEETA COLONY CKT-II	22.07.10	17.37	CKT. TRIPPED ON DIST PROT `RYB' PHASE ZONE-I AT WAZIRABAD.
64	23.07.10	23.43	220KV BTPS – MEHRAULI CKT-II	24.07.10	02.39	CKT. TRIPPED ON E/F ZONE-I AT BTPS. CKT. TRIED TO CLOSE AT 00.10HRS. (24.07.10) BUT DID NOT HOLD AND AGAIN TRIPPED ON DIST PROT `ABC' PHASE, 186A&B, SOTF AT MEHRAULI.
65	25.07.10	12.15	220KV IP – PATPAR GANJ CKT-I & II	25.07.10	18.32	CKT. TRIPPED ON 186, DIST PROT ZONE-I AT PATPAR GANJ AND ON 86, DIRECTIONAL E/F AT IP.
66	25.07.10	15.30	220/33KV 100MVA PR. TR.-I AT SUBZI MANDI	25.07.10	23.58	TR. TRIPPED ON 86, DIFFERENTIAL
67	26.07.10	11.15	220/33KV 100MVA PR. TR-III A OKHLA	26.07.10	12.04	TR. TRIPPED WITHOUT INDICATION.

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REAPRKS
	DATE	TIME		DATE	TIME	
68	26.07.10	15.13	220KV BAWANA – ROHINI CKT-II	26.07.10	21.24	CKT. TRIPPED ON 186A&B, DIST PROT `A' PH, 186A&B, AUTO RECLOSE LOCK OUT AT BAWANA. NO TRIPPIONG AT ROHINI. `R' PHASE JUMPER DAMAGED OUTSIDE BAWANA GRID
69	28.07.10	07.17	220/66KV 100MVA PR. TR.-I AT PATPARGANJ	28.07.10	12.12	TR. TRIPPED ON 86, O/C 51AX ALONG WITH 66KV I/C-I WHICH TRIPPED ON `R' PHASE O/C. 66KV BUS COUPLER ALSO TRIPPED ON `R' PHASE O/C
70	29.07.10	02.23	220KV BAWANA – KANJHAWALA CKT.	29.07.10	09.14	CKT. TRIPPED ON E/F, O/C AT KANJHAWALA.
70	29.07.10	02.23	220KV BAWANA – NAJAFGARH CKT.	29.07.10	02.51	CKT. TRIPPED ON DIST PROT `C' PHASE ZONE-I AT BAWANA. NO TRIPPING AT NAJAFGARH.
71	29.07.10	02.23	220/66KV 100MVA PR. TR-I AT KANAJHAWALA	29.07.10	10.02	TR. TRIPPED ON ABB BACK UP RELAY.
72	29.07.10	02.23	220KV KANJHAWALA – NAJAFGARH CKT.	29.07.10	03.27	CKT. TRIPPED ON AIR PRESSURE LOW INDICATION.
73	29.07.10	10.30	220KV BAMNAULI – MEHRAULI CKT-I	30.07.10	19.26	CKT. TRIPPED ON DIST PROT `B&C' PHASE 186A&B AT BAMNAULI AND ON DIST PROT ABC' PHASE ZONE-I AT MEHRAULI.
74	29.07.10	10.30	220KV BAMNAULI – MEHRAULI CKT-II	29.07.10	10.37	CKT. TRIPPED ON 186 AT MEHRAULI. NO TRIPPING AT BAMNAULI.
75	29.07.10	11.00	220KV MANDOLA – GOPALPUR CKT-I	29.07.10	11.40	CKT. TRIPPED ON DIST PROT `RYB' PHASE ZONE-I, 86, 186A&B AT MANDOLA AND ON M2-RY TRIP `R' PHASE TO GROUND AT GOPALPUR
76	29.07.10	11.05	220KV MEHRAULI – VASANT KUNJ CKT-II	29.07.10	11.23	CKT. TRIPPED ON DIST PROT `C' PHASE, 186A&B AT MEHRAULI AND ON DIST PROT `C PHASE, 186A&B, 295CB AT VASANT KUNJ
77	30.07.10	08.38	220/66KV 100MVA PR. TR. AT BAWANA	30.07.10	13.24	TR. TRIPPED ON TROUBLE TRIP, 86A/86B, 30MPREVAL ALONG WITH ITS 66KV I/C WHICH TRIPPED WITHOUT INDICATION.
78	30.07.10	17.38	220KV KANJHAWALA – NAJAFGARH CKT.	30.07.10	17.40	CKT. TRIPPED MAIN-I & II DIST PROT AT KANJHAWALA.
79	30.07.10	18.37	220KV GOPALPUR – SUBZI MANDI CKT-I	30.07.10	18.55	CKT. TRIPPED ON DIST PROT `RYB' PHASE ZONE-I AT GOPALPUR. NO TRIPPING AT SUBZI MANDI.
80	31.07.10	10.17	220KV KANJHAWALA – NAJAFGARH CKT.	31.07.10	10.24	CKT. TRIPPED ON DIST PROT.

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

DATE	S. N.	TIME		Name of Grid	NAME OF AFFECTED FEEDERS	LOAD RELIEF IN MW
		OUT	IN			
15.07.10	1	21:32	21:38	SUBZI MANDI	33kV B.G.ROAD CKT.I & II AND 11kV LOAD	16
16.07.10	1	19:15	19:17	SARITA VIHAR	66kV MATHURA ROAD AND 20MVA PR. TR.	81
	2	21:10	21:28	SUBZI MANDI	33kV B.G.ROAD CKT.I &II AND 11kV LOAD	21
	3	22:09	22:15	SUBZI MANDI	33kV SHAHZADAWALA BAGH CKT. I&II AND 11kV LOAD	21
	4	11:17	11:23	LODHI ROAD	33kV LAJPAT NAGAR CKT. –II AND 11kV LOAD	31
	5	11:19	11:30	SUBZI MANDI	33kV TRIPOLIA CKT, GULABI BAGH CKT.	34
17.07.10	1	13:35	13:56	NAJAFGARH	66kV G-5 PAPANKALANCKT. I &II, 20MVA PR. TR. AND 11kV LOAD	38
	2	13:35	13:54	GAZIPUR	66kV VIVEK VIHAR CKT. I & II	40
	3	14:45	14:58	GAZIPUR	66kV KONDLI CKT. I & II	32
	4	22:07	22:19	SUBZI MANDI	33kV B.G.ROAD CKT.I &II AND 11kV LOAD	17
	5	11:06	11:23	SUBZI MANDI	33kV SHAHZADAWALA BAGH CKT. I & II AND 11kV LOAD	28
	6	19:11	19:46	ROHINI	66kV ROHINI SEC. 22, ROHINI -II	37
18.07.10	1	13:52	13:58	SUBZI MANDI	33kV GULABI BAGH CKT, 33kV TRIPOLIA CKT., 33kV DELHI UNIVERSITY CKT.	30
	2	13:54	14:18	LODHI ROAD	33kV LODHI ROAD CKT, 33kV LAJPAT NAGAR CKT.-I	17
	3	19:24	19:27	KASHMIRI GATE	33kV TOWN HALL CKT, 33kV JAMA MASJID CKT.	0
26.07.10	1	19:49	19:54	LODHI ROAD	33kV LAJPAT NAGAR CKT –II AND 11kV LOAD	9
28.07.10	1	19:12	19:18	MEHRAULI	66kV VASANT KUNJ C BLK CKT. I&II AND 11kV LOAD	21
	2	21:06	21:31	LODHI ROAD	33kV LAJPAT NAGAR CKT. –II AND 11kV LOAD	15
29.07.10	1	22:07	22:13	LODHI ROAD	33kV LAJPAT NAGAR CKT. –II, 11kV LOAD	55
30.07.10	1	19:13	19:25	ROHTAK ROAD	33kV ANAND PARVAT CKT, 33kV VISHAL CKT-I, 33kV DMS CKT, 33kV PARSHAD NAGAR CKT.	26
	2	19:13	19:25	ROHINI	66kV ROHINI SEC. -23	14
	3	19:13	19:25	ROHINI	66kV ROHINI - VI	16