DELHI TRANSCO LTD.

STATE LOAD DISPATCH CENTER

PROGRESS REPORT

****

AUGUST - 2010

1 SALIENT FEATURES OF DELHI POWER SYSTEM

Sr. No.	Features	AUG 2009	AUG 2010
1	**Effective Generation Capacity within Delhi in MW**		
	Rajghat Power House	135	135
	Gas Turbine	270	270
	Pragati Power Corporation Ltd.	330	330
	Badapur Thermal Power Station	705	705
	Total	1440	1440
2	**Maximum Unrestricted Demand (MW)**	**4445**	**4526**
	Date	12.08.2009	11.08.10
	Time	16:00:00	15:27:02
3	**Peak Demand met (MW)**	**4352**	**4424**
	Date	13.08.2009	11.08.2010
	Time	15:36:02	15:27:02
4	Peak Availability (MW)	3948	4363
5	Shortage (-) / Surplus (+) in MW	(-)404	(-)61
6	Percentage Shortage (-) / Surplus (+)	(-)9.28	(-)1.38
7	Maximum Energy Consume in a day (Mus)	84.762	91.756
8	Energy Consumed during the month	**2402.553**	**2393.296**
9	**Load Shedding in Mus**		
A)	Due to Grid Restrictions		
i)	Under Frequency Relay Operations	2.739	0.091
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	6.144	0.989
	BRPL	11.067	0.000
	BYPL	3.878	0.082
	NDMC	0.000	0.000
	MES	0.000	0.000
iv)	Due to transmission Constraints in Central Sector	0.019	0.000
	Total due to Grid Restriction	**23.847**	1.162
B)	Due to Constraints in System in Mus		
	DTL	3.453	2.661
	NDPL	5.652	0.803
	BRPL	1.758	2.360
	BYPL	0.674	0.836
	NDMC	0.000	0.000
	MES	0.000	0.000
	Other Agencies	0.213	0.449
	Total	**11.750**	**7.109**
11	**Grand Total in Mus**	**35.597**	**8.271**

2. PERFORMANCE OF GENERATING STATIONS WITHIN DELHI DURING AUGUST 2010

A) For the month of August 2010

All Figures in MUs

S. No	Stations	Gross Generation	Aux. Consumption	Net Generation	Availability (%)	Backing Down
1.	**RPH**	80.997	9.165	71.832	88.29	0.000
2.	**GT**	82.759	2.855	79.904	87.93	86.081
3.	**PPCL**	211.522	5.716	205.806	92.04	14.571
4.	**BTPS**	330.606	36.367	294.239	74.73	60.470
	TOTAL	**705.884**	**54.103**	**651.781**		**161.122**

B) For the Year 2010-11 (Upto August 2010)

Power Station	Effective Capacity (MW)	Net Generation in MUs For Aug 2010	Availability (%) For Aug 2010	PLF (%) For August 2010	Cumulative Generation in MUs upto Aug 2010 for the year 2010-11	Cumulative Availability in % upto Aug 2010 for the year 2010-11	Cumulative PLF in % upto Aug 2010 for the year 2010-11
RPH	135	71.832	88.29	88.29	328.897	66.15	66.15
GT	270	79.904	87.93	43.75	760.015	78.57	60.16
PPCL	330	205.806	92.04	85.92	1395.962	89.44	87.45
BTPS	705	294.239	74.73	61.78	1763.153	81.90	73.80
TOTAL	**1440**	**651.781**			**4248.027**		

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.
		01.08.10	07.30	03.08.10	05.25	Furnace pressure very low.
		03.08.10	16.04	03.08.10	17.50	Loss of oil fuels
		08.08.10	07.28	08.08.10	08.10	Flame failure
		22.08.10	00.03	23.08.10	15.28	Flame failure
		25.08.10	03.00	29.08.10	08.25	Ash formed in coal bunker
		30.08.10	11.00	30.08.10	11.02	Flame failure
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
		11.08.10	11.24	11.08.10	11.54	High furnace pressure
		22.08.10	09.37	22.08.10	19.11	Coal flow very low

(B) Gas Turbine

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	**30**	11.05.10	17.58	11.05.10	20.07	FSNL due to tripping of 160 MVA Txr. Buchholz and E/F
		15.05.10	14.02	15.04.10	15.34	To attend the hot spot
		28.05.10	05.22	28.05.10	22.15	Due to heavy blast in 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	12.08.10	11.27	
		12.08.10	18.55	14.08.10	22.18	C&I Problem. After clearance from C&I GT not taken on load due to swapping of gas to PPCL
		15.08.10	11.08	28.08.10	23.10	Stopped due to high under drawal at high freq. Machine could not sync hronized after 15:30hrs. as voltage not build up more than 9.5KV.
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 freq.
		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	09.08.10	12.31	
		11.08.10	18.25	12.08.10	11.20	
		12.08.10	12.48	12.08.10	19.45	
		13.08.10	12.30	28.08.10	15.15	Swapping of gas to PPCL.

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
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.
		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 schedule 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
		11.08.10	17.55	12.08.10	12.39	Stopped due to high under drawal at high frequency.
		13.08.10	12.32	14.08.10	06.15	Due to swapping of gas to PPCL.
		15.08.10	11.00	15.08.10	17.13	Stopped due to high under drawal at high frequency.
		26.08.10	19.32	27.08.10	07.20	
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.
		19.08.10	14.39	19.08.10	16.57	Tripped on loss of flame.
		19.08.10	17.35	19.08.10	22.53	Stopped due to high under drawal at high frequency.

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
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.
		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	01.08.10	12.57	
		13.08.10	18.25	14.08.10	06.18	Due to swapping of gas to PPCL.
		15.08.10	18.40	17.08.10	16.25	Stopped due to high frequency and low demand
		24.08.10	11.07	31.08.10	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

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
6	30	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	09.08.10	12.40	
		15.08.10	11.06	17.08.10	15.50	
		19.08.10	21.50	23.08.10	12.25	Due to swapping of gas to PPCL.
		27.08.10	08.25	31.08.10	12.37	Stopped due to high frequency and low demand.
		31.08.10	16.02	31.08.10	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
		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	09.08.10	19.12	
		10.08.10	13.26	10.08.10	15.03	Machine tripped as AOP-1A tripped.
		11.08.10	18.25	12.08.10	14.15	Stopped due to high frequency and low demand.
		12.08.10	18.55	12.08.10	21.40	Tripped due to tripping of GT#1.
		13.08.10	12.30	15.08.10	03.40	Due to swapping of gas to PPCL.
		15.08.10	11.08	28.08.10	20.15	Stopped due to high frequency and low demand.

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
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 vacuum
		06.08.10	15.42	08.08.10	16.50	Machine tripped as Both Boiler Tripp alarm appeared on BCD while the drum level of both HRSG were normal.
		17.08.10	12.42	17.08.10	13.10	Machine tripped as both boiler tripped
		19.08.10	15.22	19.08.10	15.50	Failure of DC supply
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.

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG3	**34**	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	09.08.10	17.05	
		1				Machine stopped as per SLDC message to maintain load of 80 MW
		15.08.10	18.40	17.08.10	23.59	Machine stopped as per SLDC message to maintain load of 75 MW
		20.08.10	17.10	20.08.10	19.25	Machine tripped on low vaccum.
		21.08.10	09.52	21.08.10	11.12	Machine tripped on low vaccum.
		27.08.10	08.25	31.08.10	23.59	Machine stopped as per SLDC message to maintain load of 80 MW

(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.
		01.08.10	09.00	02.08.10	12.18	Due to low demand and high frequency
		15.08.10	00.00	16.08.10	09.12	
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.
		21.08.10	14.24	21.04.10	17.24	
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
		20.08.10	18.22	28.08.10	17.39	Generation back down due to low demand and high frequency.
3	95	03.04.10	00.18	03.04.10	05.20	Protection failure
		09.04.10	12.50	09.04.10	16.17	Vacuum low
		30.04.10	02.04	30.04.10	24.00	Annual maintenance
		29.06.10	22.56	03.07.10	19.02	Boiler Tube Leakage
		31.07.10	17.30	31.07.10	20.46	FD fan tripped
		25.08.10	19.34	28.08.10	11.15	Generation back down due to low demand and high frequency.
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	26.08.10	12.19	Planned shut-down for maintenance
		30.08.10	12.15	01.09.10	08.19	Boiler Tube Leakage
5	210	02.04.10	16.29	03.04.10	20.22	Boiler tube leakage
		17.04.10	22.30	18.04.10	12.20	Boiler tube leakage
		09.05.10	17.40	09.05.10	19.48	Tripped on jerk due to tripping of 220kV Ballabhgarh – BTPS Ckts and 220kV BTPS – Alwar Ckt.
		13.05.10	17.58	13.05.10	20.11	Furnace problem
		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. 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 AUGUST 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	21:54:17	0	62	72	146	343	623	2712	2184	-528	3335	0	3335
2	15:31:57	0	53	69	234	364	720	3073	3263	190	3793	21	3814
3	15:11:32	0	120	69	290	386	865	3082	3371	289	3947	1	3948
4	22:55:58	0	120	70	293	421	904	3048	3572	524	3952	8	3960
5	22:52:25	0	118	73	297	417	905	2885	3290	405	3790	0	3790
6	14:53:46	0	120	70	287	429	906	3253	3481	228	4159	8	4167
7	15:04:18	0	118	73	290	427	908	3201	3489	288	4109	0	4109
8	22:44:08	0	121	73	292	419	905	3259	3399	140	4164	0	4164
9	15:38:04	0	122	144	285	411	962	3451	3517	66	4413	7	4420
10	22:54:30	0	119	175	294	419	1007	3305	3313	8	4312	2	4314
11	15:27:02	0	123	181	287	427	1018	3406	3345	-61	4424	102	4526
12	15:18:50	0	122	180	295	408	1005	2982	2994	12	3987	13	4000
13	15:03:13	0	119	112	288	419	938	3368	3184	-184	4306	0	4306
14	11:02:06	0	123	144	291	413	971	2825	2882	57	3796	10	3806
15	00:00:07	0	116	178	277	421	992	2549	2734	185	3541	0	3541
16	22:47:04	0	120	75	298	435	928	3019	3465	446	3947	15	3962
17	15:07:38	0	119	73	280	402	874	3310	3520	210	4184	30	4214
18	14:47:18	0	118	146	289	421	974	3242	3440	198	4216	43	4259
19	19:44:48	0	88	112	297	412	909	2845	3079	234	3754	7	3761
20	19:39:54	0	118	110	295	388	911	3017	3337	320	3928	20	3948
21	19:51:11	0	90	114	299	339	842	2818	3116	298	3660	2	3662
22	19:45:58	0	33	114	276	301	724	2635	2573	-62	3359	0	3359
23	15:26:24	0	62	149	281	323	815	2976	3116	140	3791	0	3791
24	00:00:03	0	61	148	281	323	813	2635	3038	403	3448	0	3448
25	19:28:28	0	12	111	294	322	739	2948	2664	-284	3687	0	3687
26	19:54:00	0	56	74	292	362	784	3075	3060	-15	3859	10	3869
27	15:07:49	0	59	75	292	416	842	3057	3343	286	3899	31	3930
28	20:02:00	0	120	98	285	371	874	3104	2975	-129	3978	0	3978
29	22:44:50	0	103	144	294	362	903	2988	2910	-78	3891	28	3919
30	22:54:06	0	121	145	292	384	942	3205	3226	21	4147	5	4152
31	15:08:44	0	120	152	278	388	938	3246	3357	111	4184	4	4188

7 POWER AVAILABILITY- DEMAND POSITION AT THE TIME OF MAXIMUM UNRESTRICTED DEMAND DURING AUGUST 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	21:54:17	0	62	72	146	343	623	2712	2184	-528	3335	0	3335
2	15:31:57	0	53	69	234	364	720	3073	3263	190	3793	21	3814
3	15:11:32	0	120	69	290	386	865	3082	3371	289	3947	1	3948
4	22:55:58	0	120	70	293	421	904	3048	3572	524	3952	8	3960
5	22:52:25	0	118	73	297	417	905	2885	3290	405	3790	0	3790
6	14:53:46	0	120	70	287	429	906	3253	3481	228	4159	8	4167
7	15:04:18	0	118	73	290	427	908	3201	3489	288	4109	0	4109
8	22:44:08	0	121	73	292	419	905	3259	3399	140	4164	0	4164
9	15:38:04	0	122	144	285	411	962	3451	3517	66	4413	7	4420
10	22:54:30	0	119	175	294	419	1007	3305	3313	8	4312	2	4314
11	15:27:02	0	123	181	287	427	1018	3406	3345	-61	4424	102	4526
12	16:00:00	0	122	182	295	335	934	2657	3013	356	3591	414	4005
13	15:03:13	0	119	112	288	419	938	3368	3184	-184	4306	0	4306
14	11:02:06	0	123	144	291	413	971	2825	2882	57	3796	10	3806
15	00:00:07	0	116	178	277	421	992	2549	2734	185	3541	0	3541
16	22:47:04	0	120	75	298	435	928	3019	3465	446	3947	15	3962
17	15:07:38	0	119	73	280	402	874	3310	3520	210	4184	30	4214
18	14:47:18	0	118	146	289	421	974	3242	3440	198	4216	43	4259
19	19:44:48	0	88	112	297	412	909	2845	3079	234	3754	7	3761
20	19:39:54	0	118	110	295	388	911	3017	3337	320	3928	20	3948
21	19:51:11	0	90	114	299	339	842	2818	3116	298	3660	2	3662
22	19:45:58	0	33	114	276	301	724	2635	2573	-62	3359	0	3359
23	15:26:24	0	62	149	281	323	815	2976	3116	140	3791	0	3791
24	00:00:03	0	61	148	281	323	813	2635	3038	403	3448	0	3448
25	19:28:28	0	12	111	294	322	739	2948	2664	-284	3687	0	3687
26	19:54:00	0	56	74	292	362	784	3075	3060	-15	3859	10	3869
27	15:07:49	0	59	75	292	416	842	3057	3343	286	3899	31	3930
28	20:02:00	0	120	98	285	371	874	3104	2975	-129	3978	0	3978
29	22:44:50	0	103	144	294	362	903	2988	2910	-78	3891	28	3919
30	22:54:06	0	121	145	292	384	942	3205	3226	21	4147	5	4152
31	15:08:44	0	120	152	278	388	938	3246	3357	111	4184	4	4188

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

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

A (i) RPH	80.997
JHAJJAR SHARE	0.682
NET RPH	80.315
(ii) GT+WHRU	82.759
(iii) PRAGATI	211.522
TOTAL (i+ii+iii)	374.596
B) AVAILABILITY FROM BTPS	292.486
C) AUXILIARY CONSUMPTION OF GENERATING STNs. EXCLUDING BTPS	17.736
D) NET GENERATION AVAILABLE WITHIN DELHI(A+B-C)	**649.346**

B) SOURCE WISE SCHEDULED DRAWL FROM THE NORTHERN GRID

NAME OF THE STATION	AVAILABILITY AT POWER PLANT	AVAILABILITY AT DELHI PERIPHERY	ALLOCATION MADE BY NRLDC AT POWER PLANT	ALLOCATION MADE BY NRLDC AT DELHI PERIPHERY
B/SUIL	12.528	12.113	12.528	12.113
SALAL	46.924	45.369	46.924	45.369
TANKAPUR	7.686	7.433	7.686	7.433
CHAMERA	31.095	30.068	31.095	30.068
CHAMERA -II	28.311	27.374	28.311	27.374
DHAULIGANGA	26.828	25.946	26.828	25.946
URI	36.593	35.379	36.593	35.379
ANTA (GAS)	21.267	20.568	16.250	15.704
ANTA (RLNG)	10.617	10.262	0.869	0.841
ANTA (LIQUID)	0.869	0.839	0.008	0.008
DADRI (GAS)	34.664	33.517	26.704	25.804
DADRI (RLNG)	17.555	16.966	1.278	1.236
DADRI (LIQUID)	6.245	6.030	0.025	0.024
AURAIYA (GAS)	31.112	30.090	23.066	22.289
AURAIYA (RLNG)	16.032	15.496	1.058	1.023
AURAIYA (LIQUID)	3.928	3.798	0.011	0.011
SINGRAULI	87.785	84.901	85.206	82.393
RIHAND -I	49.134	47.518	48.561	46.964
RIHAND -II	88.813	85.885	87.490	84.603
UNCHAHAR-I	16.775	16.220	14.524	14.040
UNCHAHAR-II	34.330	33.195	30.497	29.485
UNCHAHAR-III	16.637	16.079	14.262	13.780
DADRI (TH)	490.543	474.234	434.888	420.402
DADRI (TH) STAGE-II	390.754	377.817	347.616	336.090
NAPP	9.365	9.055	9.365	9.055
RAPP 'B'	1.091	1.055	1.091	1.055
RAPP 'C'	20.662	19.979	20.662	19.979
NATHPA JHAKRI	51.186	49.549	51.186	49.549
SEWA -II	11.893	11.500	11.893	11.500
DULASTI	30.129	29.138	30.129	29.138
TEHRI	64.187	62.056	64.187	62.056
KHELGAON	17.937	17.346	16.685	16.133
KHELGAON-II	71.004	68.653	69.026	66.737
FARAKA	12.567	12.151	11.530	11.148
TALA	22.268	21.531	22.268	21.531
TALCHER	0.000	0.000	0.000	0.000

NAME OF THE STATION	AVAILABILITY AT POWER PLANT	AVAILABILITY AT DELHI PERIPHERY	ALLOCATION MADE BY NRLDC AT POWER PLANT	ALLOCATION MADE BY NRLDC AT DELHI PERIPHERY
DVC	57.207	55.799	53.751	51.982
ORISSA	40.099	39.112	37.419	36.181
MADHYA PRADESH	201.694	191.787	181.643	175.638
CHATTISHGARH	422.386	401.618	379.063	366.527
MADHYA PRADESH	0.207	0.202	0.192	0.185
WEST BENGAL	17.967	17.525	16.934	16.374
MAHARASTHRA	0.345	0.331	0.313	0.303
URS	0.637	0.615	0.637	0.615
UTTRANCHAL	29.760	28.776	29.760	28.776
HIMACHAL PRADESH	89.545	86.612	89.545	86.612
ANDHRA PRADESH	29.685	28.444	27.045	26.153
KARNATAKA	30.627	29.332	27.961	27.037
NAGALAND	17.560	17.127	16.577	16.028
ARUNACHAL PRADESH	12.954	12.639	12.236	11.833
TRIPURA	11.191	10.915	10.565	10.216
UTTAR PRADESH	17.361	16.787	17.361	16.787
MEGHALAYA	22.633	22.076	21.369	20.662
TO UTTAR PRADESH	-95.389	-98.648	-95.389	-98.648
TO KERALA	-49.223	-50.477	-50.477	-52.205
TO KARNATAKA	-0.093	-0.095	-0.095	-0.099
TO MAHARASHTRA	-1.734	-1.811	-1.811	-1.872
TO WEST BENGAL	0.000	0.000	0.000	0.000
TO UTTRANCHAL	0.000	0.000	0.000	0.000
TO RAJASTHAN	0.000	0.000	0.000	0.000
POWER EXCHANGE(IEX)	1.217	1.177	1.217	1.177
TO POWER EXCHANGE (IEX)	-213.394	-220.652	-213.394	-220.652
POWRER EXCHANGE(PX)	3.688	3.564	3.688	3.564
TO POWER EXCHANGE (PX)	-8.828	-9.128	-8.828	-9.128
TOTAL	**2457.419**	**2342.739**	**2187.583**	**2090.309**

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	1317.059	1273.416	1132.313	1094.698
NTPC - ER	101.508	98.151	97.241	94.018
NHPC	220.095	212.821	220.095	212.821
NPC	31.118	30.089	31.118	30.089
NATHPA JHAKRI	51.186	49.549	51.186	49.549
SEWA -II	11.893	11.500	11.893	11.500
TEHRI	64.187	62.056	64.187	62.056
TALA	22.268	21.531	22.268	21.531
TALCHER	0.000	0.000	0.000	0.000
DVC	57.207	55.799	53.751	51.982
ORISSA	40.099	39.112	37.419	36.181
MADHYA PRADESH	201.694	191.787	181.643	175.638
CHATTISHGARH	422.386	401.618	379.063	366.527
MADHYA PRADESH	0.207	0.202	0.192	0.185
WEST BENGAL	17.967	17.525	16.934	16.374
MAHARASTHRA	0.345	0.331	0.313	0.303
RAJASTHAN	0.000	0.000	0.000	0.000
URS	0.637	0.615	0.637	0.615

NAME OF THE STATION	AVAILABILITY AT POWER PLANT	AVAILABILITY AT PERIPHERY	ALLOCATION MADE BY NRLDC AT POWER PLANT	ALLOCATION MADE BY NRLDC AT POWER PERIPHERY
UTTRANCHAL	29.760	28.776	29.760	28.776
HIMACHAL PRADESH	89.545	86.612	89.545	86.612
ANDHRA PRADESH	29.685	28.444	27.045	26.153
KARNATAKA	30.627	29.332	27.961	27.037
NAGALAND	17.560	17.127	16.577	16.028
ARUNACHAL PRADESH	12.954	12.639	12.236	11.833
TRIPURA	11.191	10.915	10.565	10.216
UTTAR PRADESH	17.361	16.787	17.361	16.787
MEGHALAYA	22.633	22.076	21.369	20.662
TAMILNADU	0.000	0.000	0.000	0.000
POWER EXCHANGE(IEX)	1.217	1.177	1.217	1.177
POWER EXCHANGE(PX)	3.688	3.564	3.688	3.564
TOTAL	**2826.080**	**2723.550**	**2557.577**	**2472.912**

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	-95.389	-98.648	-95.389	-98.648
TO KERALA	-49.223	-50.477	-50.477	-52.205
TO KARNATAKA	-0.093	-0.095	-0.095	-0.099
TO MAHARASHTRA	-1.734	-1.811	-1.811	-1.872
TO WEST BENGAL	0.000	0.000	0.000	0.000
TO UTTRANCHAL	0.000	0.000	0.000	0.000
TO RAJASTHAN	0.000	0.000	0.000	0.000
TO POWER EXCHANGE (IEX)	-213.394	-220.652	-213.394	-220.652
TO POWER EXCHANGE (PX)	-8.828	-9.128	-8.828	-9.128
TOTAL	**-368.661**	**-380.811**	**-369.994**	**-382.602**
TOTAL SCHEDULED DRAWAL FROM THE GRID	**2457.419**	**2342.739**	**2187.583**	**2090.309**
TOTAL CONSUMPTION INCLUDING AUX. OF GENERATING STNs. EXCLUDING BTPS				2411.032
NET CONSUMPTION				2393.296
AVAILABILITY WITHIN DELHI				649.346
ACTUAL DRAWAL FROM THE GRID				1743.950
OVER DRAWAL(+)/UNDER DRAWAL(-) FROM THE GRID ON THE BASIS OF SCHEDULED ALLOCATION MADE BY NRLDC TO DELHI AT PERIPHERY				(-)346.359
LOAD SHEDDING				**8.271**
UNRESTRICTED DEMAND (GROSS)				**2419.303**
UNRESTRICTED DEMAND (NET)				**2401.567**
MAX. NET CONSUMPTION				91.756Mus. ON 09.08.2010
MAX. LOAD SHEDDING				501 MW ON 31.08.2010 AT 16.00HRS.
PEAK LOAD	Peak Demand during the month			SHEDDING AT PEAK TIME
DAY PEAK	4424MW AT 15:27:02HRS ON 11.08.2010			102MW
EVENING PEAK	4312MW AT 22:54:30HRS ON 10.08.2010			54MW
P.L.F. OF GENCO AND PRAGATI STNs.	RPH GT PRAGATI			80.64% 41.20% 86.15%

9 SHEDDING DETAILS DURING THE MONTH OF AUGUEST 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-Aug-10	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
2-Aug-10	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
3-Aug-10	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
4-Aug-10	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
5-Aug-10	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.001	0.000
6-Aug-10	1	0.000	0.000	0.008	0.000	**0.008**	0.000	0.000	0.027	0.000
7-Aug-10	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
8-Aug-10	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.021	0.000
9-Aug-10	3	0.008	0.011	0.000	0.000	**0.019**	0.000	0.000	0.185	0.000
10-Aug-10	7	0.004	0.008	0.032	0.000	**0.044**	0.000	0.000	0.190	0.000
11-Aug-10	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.020	0.000
12-Aug-10	0	0.000	0.000	0.000	0.000	**0.000**	0.082	0.000	0.521	0.000
13-Aug-10	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.024	0.000
14-Aug-10	1	0.001	0.001	0.000	0.000	**0.002**	0.000	0.000	0.000	0.000
15-Aug-10	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
16-Aug-10	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
17-Aug-10	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
18-Aug-10	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
19-Aug-10	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
20-Aug-10	1	0.000	0.007	0.000	0.000	**0.007**	0.000	0.000	0.000	0.000
21-Aug-10	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
22-Aug-10	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
23-Aug-10	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
24-Aug-10	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
25-Aug-10	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
26-Aug-10	1	0.000	0.011	0.000	0.000	**0.011**	0.000	0.000	0.000	0.000
27-Aug-10	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
28-Aug-10	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
29-Aug-10	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
30-Aug-10	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
31-Aug-10	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
Total	**14**	**0.013**	**0.038**	**0.040**	**0.000**	0.091	**0.082**	**0.000**	**0.989**	**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-Aug-10	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.013	0.002	0.000	0.000
2-Aug-10	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.003	0.000	0.002	0.000	0.000
3-Aug-10	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.041	0.000	0.000
4-Aug-10	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.010	0.000	0.000	0.000
5-Aug-10	0.000	0.000	0.000	0.000	**0.001**	**0.001**	0.000	0.000	0.000	0.000	0.000
6-Aug-10	0.000	0.000	0.000	0.000	**0.027**	**0.035**	0.000	0.000	0.000	0.000	0.000
7-Aug-10	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.019	0.000	0.000	0.000	0.000
8-Aug-10	0.000	0.000	0.000	0.000	**0.021**	**0.021**	0.008	0.019	0.000	0.000	0.000
9-Aug-10	0.000	0.000	0.000	0.000	**0.185**	**0.204**	0.000	0.000	0.005	0.000	0.000
10-Aug-10	0.000	0.000	0.000	0.000	**0.190**	**0.234**	0.002	0.000	0.048	0.000	0.000
11-Aug-10	0.000	0.000	0.000	0.000	**0.020**	**0.020**	0.296	0.000	0.007	0.024	0.000
12-Aug-10	0.000	0.000	0.000	0.000	**0.603**	**0.603**	0.001	0.016	0.000	0.000	0.000
13-Aug-10	0.000	0.000	0.000	0.000	**0.024**	**0.024**	0.000	0.000	0.000	0.000	0.000
14-Aug-10	0.000	0.000	0.000	0.000	**0.000**	**0.002**	0.216	0.057	0.083	0.000	0.000
15-Aug-10	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.012	0.000	0.012	0.000	0.000
16-Aug-10	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.129	0.003	0.000	0.000
17-Aug-10	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.031	0.072	0.028	0.000	0.000
18-Aug-10	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.016	0.061	0.001	0.000	0.000
19-Aug-10	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.050	0.000	0.000	0.000
20-Aug-10	0.000	0.000	0.000	0.000	**0.000**	**0.007**	0.000	0.045	0.000	0.000	0.000
21-Aug-10	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.266	0.000	0.000	0.000
22-Aug-10	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.072	0.003	0.000	0.000
23-Aug-10	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.047	0.000	0.000	0.000
24-Aug-10	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.016	0.049	0.000	0.000
25-Aug-10	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.005	0.025	0.001	0.000	0.000
26-Aug-10	0.000	0.000	0.000	0.000	**0.000**	**0.011**	0.000	0.049	0.000	0.000	0.000
27-Aug-10	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.067	0.000	0.000	0.000
28-Aug-10	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.022	0.021	0.000	0.000
29-Aug-10	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.087	0.016	0.000	0.000
30-Aug-10	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.324	0.000	0.000	0.000
31-Aug-10	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.242	0.017	0.000	0.000	0.000
Total	**0.000**	**0.000**	**0.000**	**0.000**	**1.071**	**1.162**	**0.851**	**1.464**	**0.322**	**0.024**	**0.000**

ALL FIGURES IN MUs

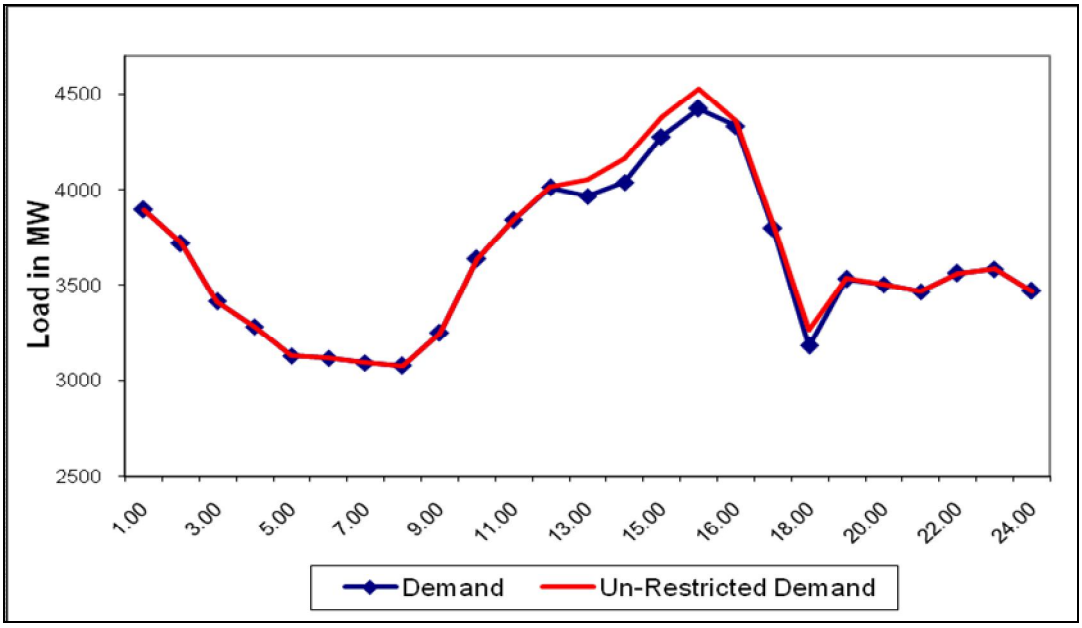
DATE	DUE TO T&D CONTRAINTS			OTHER AGENCIES LIKE GENCO, BBMB, BTPS ETC.	THEFT PRONE SHEDDING			TOTAL SHEDDING DUE TO T&D CONSTS. & THEFT PRONE	GRAND TOTAL
	DISCOMS								
	BSES		NDPL		BSES		NDPL		
	BYPL	BRPL			BYPL	BRPL			
1	23	24	25	2+	27	28	29	30=18 to29	31=30+17
1-Aug-10	0.005	0.019	0.008	0.000	0.000	0.000	0.000	**0.047**	**0.047**
2-Aug-10	0.087	0.122	0.010	0.000	0.000	0.000	0.000	**0.224**	**0.224**
3-Aug-10	0.000	0.028	0.000	0.000	0.000	0.000	0.000	**0.069**	**0.069**
4-Aug-10	0.012	0.048	0.007	0.000	0.000	0.000	0.000	**0.077**	**0.077**
5-Aug-10	0.015	0.001	0.014	0.000	0.000	0.000	0.000	**0.030**	**0.031**
6-Aug-10	0.023	0.018	0.005	0.000	0.000	0.000	0.000	**0.046**	**0.081**
7-Aug-10	0.009	0.016	0.011	0.000	0.000	0.000	0.000	**0.055**	**0.055**
8-Aug-10	0.006	0.061	0.002	0.000	0.000	0.000	0.000	**0.096**	**0.117**
9-Aug-10	0.026	0.108	0.000	0.000	0.000	0.000	0.000	**0.139**	**0.343**
10-Aug-10	0.019	0.030	0.015	0.000	0.000	0.000	0.000	**0.114**	**0.348**
11-Aug-10	0.023	0.317	0.038	0.000	0.000	0.000	0.000	**0.705**	**0.725**
12-Aug-10	0.117	0.005	0.000	0.279	0.000	0.000	0.000	**0.697**	**1.300**
13-Aug-10	0.168	0.006	0.000	0.000	0.000	0.000	0.000	**0.174**	**0.198**
14-Aug-10	0.003	0.037	0.044	0.000	0.000	0.000	0.000	**0.440**	**0.442**
15-Aug-10	0.012	0.086	0.082	0.038	0.000	0.000	0.000	**0.280**	**0.280**
16-Aug-10	0.017	0.119	0.068	0.000	0.000	0.000	0.000	**0.336**	**0.336**
17-Aug-10	0.021	0.040	0.104	0.106	0.000	0.000	0.000	**0.508**	**0.508**
18-Aug-10	0.037	0.152	0.111	0.000	0.000	0.000	0.000	**0.378**	**0.378**
19-Aug-10	0.000	0.210	0.058	0.000	0.000	0.000	0.000	**0.318**	**0.318**
20-Aug-10	0.068	0.040	0.107	0.000	0.000	0.000	0.000	**0.260**	**0.267**
21-Aug-10	0.002	0.031	0.007	0.000	0.000	0.000	0.000	**0.306**	**0.306**
22-Aug-10	0.000	0.067	0.000	0.000	0.000	0.000	0.000	**0.142**	**0.142**
23-Aug-10	0.028	0.003	0.017	0.024	0.000	0.000	0.000	**0.143**	**0.143**
24-Aug-10	0.000	0.000	0.002	0.002	0.000	0.000	0.000	**0.071**	**0.071**
25-Aug-10	0.066	0.069	0.000	0.000	0.000	0.000	0.000	**0.166**	**0.166**
26-Aug-10	0.013	0.040	0.000	0.000	0.000	0.000	0.000	**0.102**	**0.113**
27-Aug-10	0.006	0.512	0.026	0.000	0.000	0.000	0.000	**0.611**	**0.611**
28-Aug-10	0.016	0.102	0.002	0.000	0.000	0.000	0.000	**0.163**	**0.163**
29-Aug-10	0.000	0.047	0.049	0.000	0.000	0.000	0.000	**0.199**	**0.199**
30-Aug-10	0.012	0.014	0.000	0.000	0.000	0.000	0.000	**0.350**	**0.350**
31-Aug-10	0.025	0.012	0.016	0.000	0.000	0.000	0.000	**0.312**	**0.312**
Total	**0.836**	**2.360**	**0.803**	**0.449**	**0.000**	**0.000**	**0.000**	**7.558**	**8.720**

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-Aug-10	**65.343**	3335	21:54:17	0	**3335**	**3335**	21:54:17	3335	0
2-Aug-10	**72.720**	3793	15:31:57	21	**3814**	**3814**	15:31:57	3793	21
3-Aug-10	**76.619**	3947	15:11:32	1	**3948**	**3948**	15:11:32	3947	1
4-Aug-10	**79.002**	3952	22:55:58	8	**3960**	**3960**	22:55:58	3952	8
5-Aug-10	**79.461**	3790	22:52:25	0	**3790**	**3790**	22:52:25	3790	0
6-Aug-10	**81.992**	4159	14:53:46	8	**4167**	**4167**	14:53:46	4159	8
7-Aug-10	**82.675**	4109	15:04:18	0	**4109**	**4109**	15:04:18	4109	0
8-Aug-10	**81.066**	4164	22:44:08	0	**4164**	**4164**	22:44:08	4164	0
9-Aug-10	**91.756**	4413	15:38:04	7	**4420**	**4420**	15:38:04	4413	7
10-Aug-10	**87.908**	4312	22:54:30	2	**4314**	**4314**	22:54:30	4312	2
11-Aug-10	**82.722**	4424	15:27:02	102	**4526**	**4526**	15:27:02	4424	102
12-Aug-10	**79.514**	3987	15:18:50	13	**4000**	**4005**	16:00	3591	414
13-Aug-10	**83.822**	4306	15:03:13	0	**4306**	**4306**	15:03:13	4306	0
14-Aug-10	**76.906**	3796	11:02:06	10	**3806**	**3806**	11:02:06	3796	10
15-Aug-10	**65.098**	3541	00:00:07	0	**3541**	**3541**	00:00:07	3541	0
16-Aug-10	**76.324**	3947	22:47:04	15	**3962**	**3962**	22:47:04	3947	15
17-Aug-10	**81.354**	4184	15:07:38	30	**4214**	**4214**	15:07:38	4184	30
18-Aug-10	**82.182**	4216	14:47:18	43	**4259**	**4259**	14:47:18	4216	43
19-Aug-10	**75.955**	3754	19:44:48	7	**3761**	**3761**	19:44:48	3754	7
20-Aug-10	**74.591**	3928	19:39:54	20	**3948**	**3948**	19:39:54	3928	20
21-Aug-10	**71.019**	3660	19:51:11	2	**3662**	**3662**	19:51:11	3660	2
22-Aug-10	**67.051**	3359	19:45:58	0	**3359**	**3359**	19:45:58	3359	0
23-Aug-10	**71.929**	3791	15:26:24	0	**3791**	**3791**	15:26:24	3791	0
24-Aug-10	**66.559**	3448	00:00:03	0	**3448**	**3448**	00:00:03	3448	**0**
25-Aug-10	**67.736**	3687	19:28:28	0	**3687**	**3687**	19:28:28	3687	0
26-Aug-10	**71.833**	3859	19:54	10	**3869**	**3869**	19:54	3859	10
27-Aug-10	**77.689**	3899	15:07:49	31	**3930**	**3930**	15:07:49	3899	31
28-Aug-10	**77.999**	3978	20:02	0	**3978**	**3978**	20:02	3978	0
29-Aug-10	**77.312**	3891	22:44:50	28	**3919**	**3919**	22:44:50	3891	28
30-Aug-10	**83.585**	4147	22:54:06	5	**4152**	**4152**	22:54:06	4147	5
31-Aug-10	**83.574**	4184	15:08:44	4	**4188**	**4188**	15:08:44	4184	4
Total	**2393.296**	**4424 11.08.10 15:27:02**		102	**4526**	**4526 11.08.10 15:27:02**			

10 LOAD PATTERN OF DELHI ON THE DAY OF PEAK DEMAND MET DURING AUGUST 2010 ON 11.08.2010 – 4424MW at 15:27:02HRS.

All figures in MW

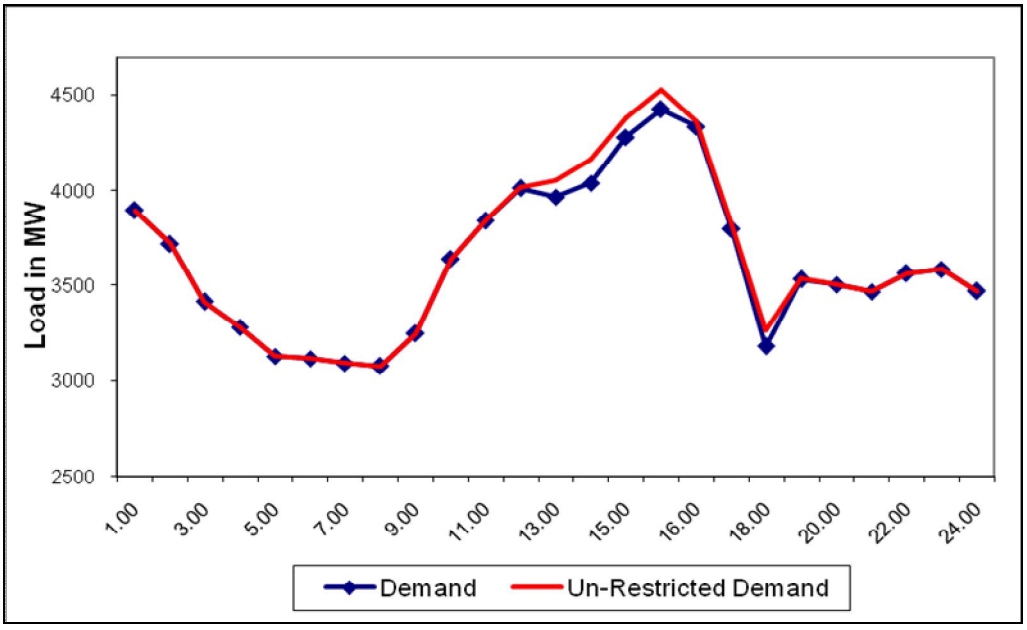
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	3895	0	3895
2.00	3719	0	3719
3.00	3415	0	3415
4.00	3284	0	3284
5.00	3131	0	3131
6.00	3119	0	3119
7.00	3093	0	3093
8.00	3078	0	3078
9.00	3250	0	3250
10.00	3638	0	3638
11.00	3839	0	3839
12.00	4012	6	4018
13.00	3967	89	4056
14.00	4041	123	4164
15.00	4279	103	4382
15.27.02	**4424**	102	4526
16.00	4335	28	4363
17.00	3798	25	3823
18.00	3183	85	3268
19.00	3532	4	3536
20.00	3506	0	3506
21.00	3468	0	3468
22.00	3564	0	3564
23.00	3586	0	3586
24.00	3471	0	3471
ENERGY IN Mus	**82.722**	**0.725**	**83.447**



11 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UN-RESTRICTED DEMAND DURING AUGUST 2010 – 11.08.2010– 4526MW at 15:27:02HRS.

All figures in MW

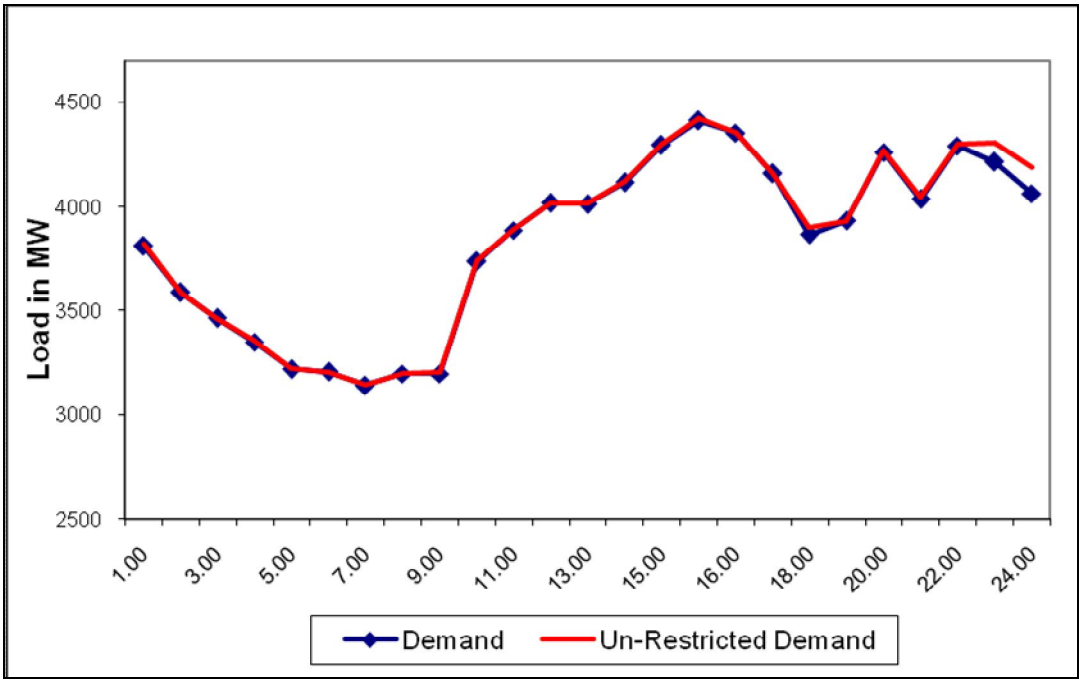
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	3895	0	3895
2.00	3719	0	3719
3.00	3415	0	3415
4.00	3284	0	3284
5.00	3131	0	3131
6.00	3119	0	3119
7.00	3093	0	3093
8.00	3078	0	3078
9.00	3250	0	3250
10.00	3638	0	3638
11.00	3839	0	3839
12.00	4012	6	4018
13.00	3967	89	4056
14.00	4041	123	4164
15.00	4279	103	4382
15.27.02	4424	102	**4526**
16.00	4335	28	4363
17.00	3798	25	3823
18.00	3183	85	3268
19.00	3532	4	3536
20.00	3506	0	3506
21.00	3468	0	3468
22.00	3564	0	3564
23.00	3586	0	3586
24.00	3471	0	3471
ENERGY IN Mus	**82.722**	**0.725**	**83.447**



12 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM ENERGY CONSUMED DURING AUGUST 2010 – 09.08.2010 – 91.756 Mus

All figures in MW

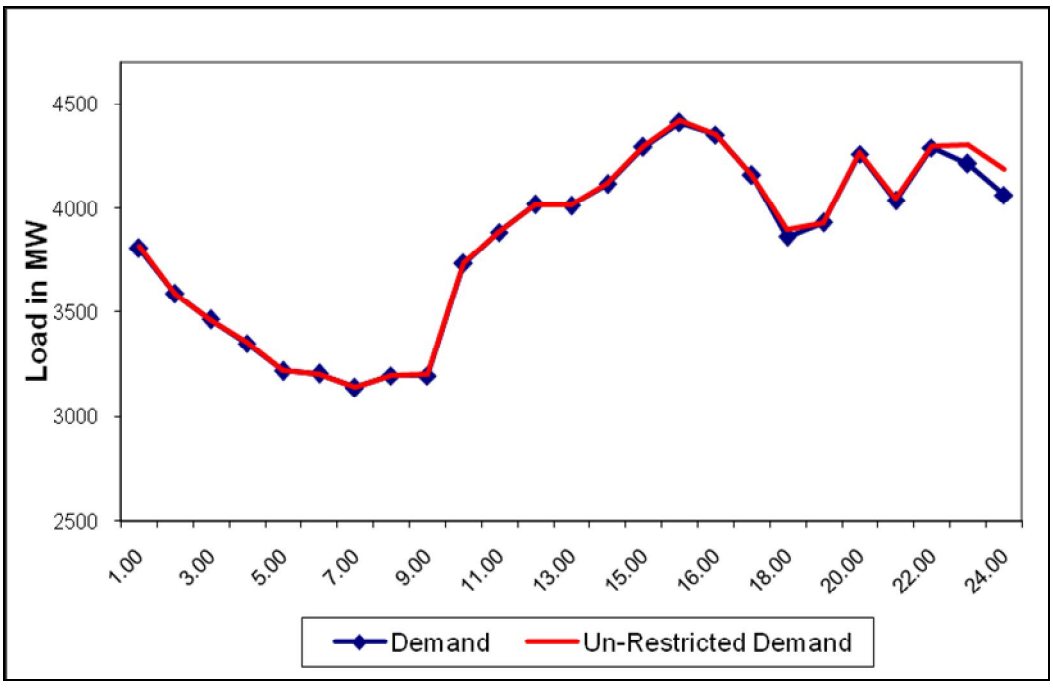
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	3810	10	3820
2.00	3588	0	3588
3.00	3465	0	3465
4.00	3352	7	3359
5.00	3221	0	3221
6.00	3206	0	3206
7.00	3141	0	3141
8.00	3199	0	3199
9.00	3198	5	3203
10.00	3735	5	3740
11.00	3886	3	3889
12.00	4017	2	4019
13.00	4014	3	4017
14.00	4117	6	4123
15.00	4294	6	4300
15.38.04	4413	7	4420
16.00	4354	0	4354
17.00	4161	0	4161
18.00	3865	36	3901
19.00	3933	0	3933
20.00	4261	6	4267
21.00	4038	8	4046
22.00	4292	9	4301
23.00	4214	92	4306
24.00	4064	128	4192
ENERGY IN Mus	**91.756**	0.343	92.099



13 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UNRESTRICTED ENERGY DEMAND DURING AUGUST 2010 – 09.08.2010 – 92.099Mus

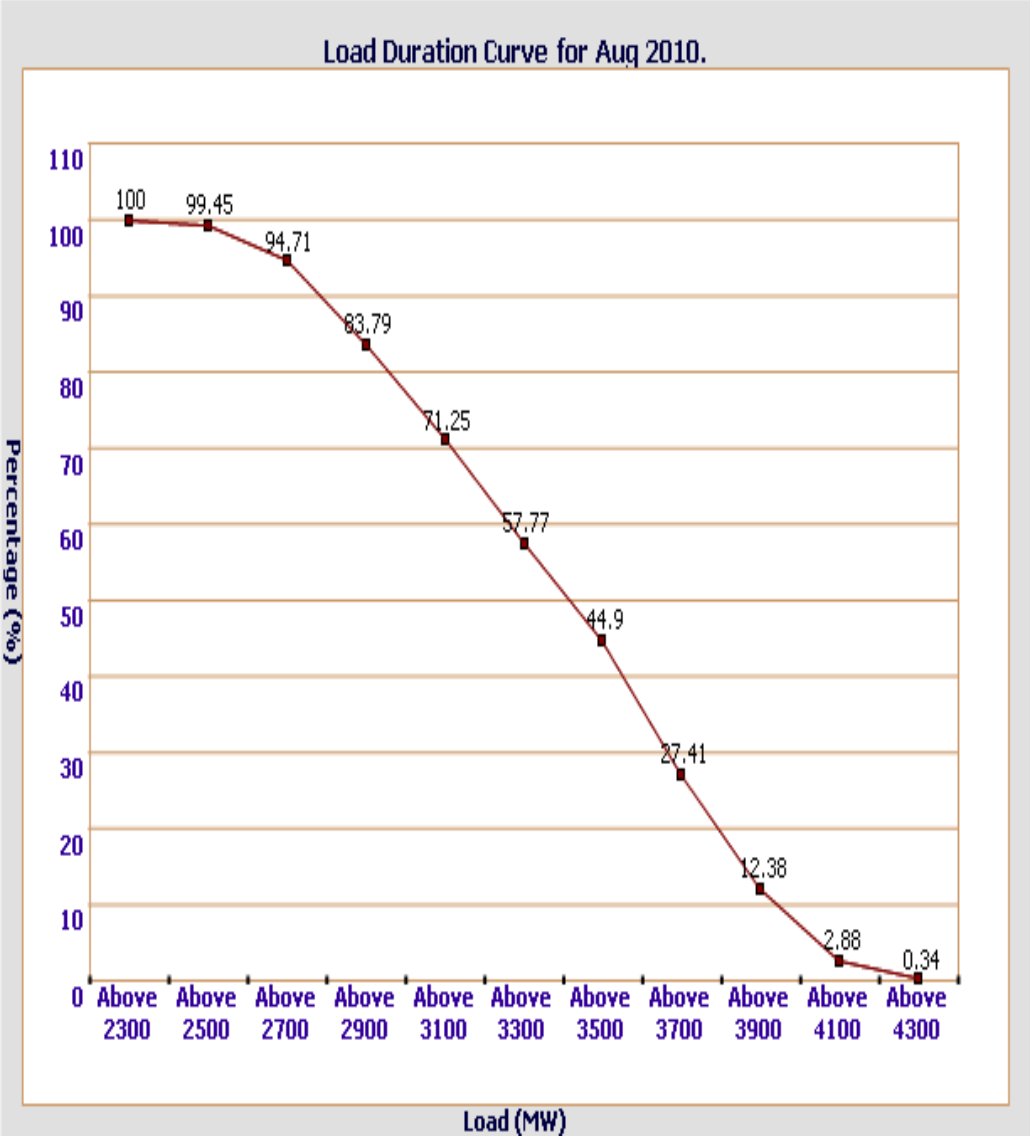
All figures in MW

Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	3810	10	3820
2.00	3588	0	3588
3.00	3465	0	3465
4.00	3352	7	3359
5.00	3221	0	3221
6.00	3206	0	3206
7.00	3141	0	3141
8.00	3199	0	3199
9.00	3198	5	3203
10.00	3735	5	3740
11.00	3886	3	3889
12.00	4017	2	4019
13.00	4014	3	4017
14.00	4117	6	4123
15.00	4294	6	4300
15.38.04	4413	7	4420
16.00	4354	0	4354
17.00	4161	0	4161
18.00	3865	36	3901
19.00	3933	0	3933
20.00	4261	6	4267
21.00	4038	8	4046
22.00	4292	9	4301
23.00	4214	92	4306
24.00	4064	128	4192
ENERGY IN Mus	91.756	0.343	**92.099**



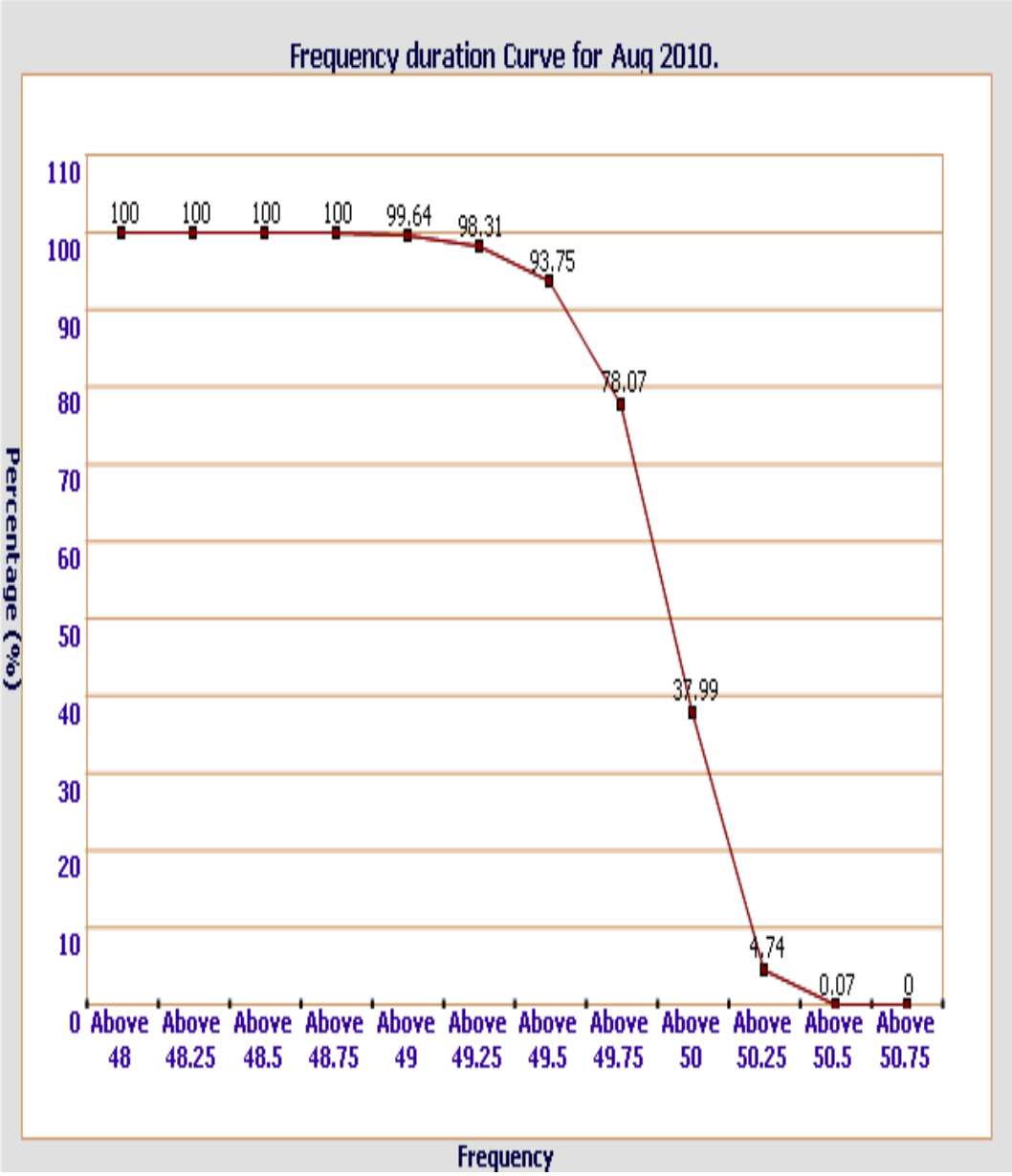
14 LOAD DURATION CURVE FOR AUGUST 2010

Load in MW	Percentage of Time
Above 2300	100 %
Above 2500	99.45 %
Above 2700	94.71 %
Above 2900	83.79 %
Above 3100	71.25 %
Above 3300	57.77 %
Above 3500	44.9 %
Above 3700	27.41 %
Above 3900	12.38 %
Above 4100	2.88 %
Above 4300	0.34 %



15 FREQUENCY ANALYSIS FOR THE MONTH OF AUGUST 2010

Frequency Range in Hz.	Percentage of time
Above 48.75	100 %
Above 49.00	99.64 %
Above 49.25	98.31 %
Above 49.50	93.75 %
Above 49.75	78.07 %
Above 50.00	37.99 %
Above 50.25	4.74 %
Above 50.50	0.07 %
Above 50.75	0 %



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

All figures in kV

Date	NARELA		GAZIPUR	
	Max	Min	Max	Min
1-Aug-10	231.24	220.41	211.38	--
2-Aug-10	223.38	207.25	220.80	209.32
3-Aug-10	222.09	206.87	226.08	209.96
4-Aug-10	219.89	205.71	223.76	209.58
5-Aug-10	214.09	--	221.57	203.00
6-Aug-10	216.54	201.58	225.95	198.61
7-Aug-10	226.73	199.64	224.02	201.58
8-Aug-10	225.31	208.29	226.08	203.00
9-Aug-10	226.08	208.67	222.34	200.29
10-Aug-10	224.28	209.32	221.05	204.29
11-Aug-10	230.08	208.03	228.02	203.64
12-Aug-10	225.57	214.09	224.02	210.48
13-Aug-10	225.57	213.70	222.47	208.67
14-Aug-10	230.86	215.77	227.37	213.32
15-Aug-10	231.76	217.96	224.15	--
16-Aug-10	230.73	211.90	224.15	203.64
17-Aug-10	226.60	210.09	225.31	203.77
18-Aug-10	226.21	204.29	223.50	204.80
19-Aug-10	227.63	216.54	224.02	212.15
20-Aug-10	229.82	214.48	227.24	209.58
21-Aug-10	229.31	214.09	224.92	208.54
22-Aug-10	231.24	218.99	227.24	212.41
23-Aug-10	230.86	215.25	226.86	212.41
24-Aug-10	231.11	217.96	228.79	212.67
25-Aug-10	231.76	216.41	226.21	212.15
26-Aug-10	229.44	206.74	228.66	210.22
27-Aug-10	220.54	205.58	227.24	211.25
28-Aug-10	225.05	208.16	227.89	207.51
29-Aug-10	228.79	208.80	224.92	206.09
30-Aug-10	226.60	210.74	226.08	203.64
31-Aug-10	227.37	212.15	225.95	208.03

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

All figures in kV

Date	400kV Bamnauli Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
1-Aug-10	413.87	06.02.12	391.36	19.40.48	402.94
2-Aug-10	412.00	03.57.26	382.22	11.35.04	397.54
3-Aug-10	411.06	--	382.22	12.27.48	397.07
4-Aug-10	406.61	06.04.09	381.98	14.58.22	395.28
5-Aug-10	401.68	05.08.26	376.12	10.32.04	391.64
6-Aug-10	405.67	08.16.35	371.20	11.20.35	387.22
7-Aug-10	405.43	06.09.16	368.15	23.08.25	389.67
8-Aug-10	404.49	18.00.43	372.37	23.06.59	392.76
9-Aug-10	404.03	08.04.28	372.14	14.39.50	387.37
10-Aug-10	399.81	06.03.27	375.18	12.12.56	388.29
11-Aug-10	408.01	17.28.09	378.70	14.47.10	394.70
12-Aug-10	406.14	05.05.48	385.27	12.40.52	396.56
13-Aug-10	408.01	18.59.36	385.03	15.13.34	396.19
14-Aug-10	415.75	06.03.10	385.50	11.19.47	398.90
15-Aug-10	409.65	16.04.07	385.27	22.09.46	398.86
16-Aug-10	408.01	07.03.34	377.06	19.26.53	392.20
17-Aug-10	403.79	07.07.13	371.43	14.57.18	389.01
18-Aug-10	403.79	07.59.03	375.65	14.47.18	391.50
19-Aug-10	403.32	05.03.34	388.55	19.37.17	397.00
20-Aug-10	408.20	06.08.00	381.98	19.20.03	395.95
21-Aug-10	408.72	05.02.33	382.22	19.31.20	398.19
22-Aug-10	411.30	05.01.50	394.41	12.18.05	401.45
23-Aug-10	409.65	06.03.41	383.86	12.22.42	397.99
24-Aug-10	411.06	04.41.29	386.91	19.43.48	402.54
25-Aug-10	411.30	04.00.26	385.74	19.41.39	399.88
26-Aug-10	408.01	04.02.46	382.69	19.10.06	397.58
27-Aug-10	405.43	07.38.43	378.70	19.24.42	393.19
28-Aug-10	403.09	--	373.78	19.20.18	388.52
29-Aug-10	405.20	06.37.58	377.29	19.41.11	391.48
30-Aug-10	403.32	06.02.16	374.95	19.20.22	388.72
31-Aug-10	403.79	08.04.33	376.36	19.15.28	390.24

Date	400kV Bawana Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
1-Aug-10	415.98	06..02.12	394.88	19.41.08	405.47
2-Aug-10	414.34	04.02.46	386.20	11.34.54	400.84
3-Aug-10	413.87	00.00.00	386.20	12.24.18	400.34
4-Aug-10	409.18	07.14.32	385.50	14.58.12	398.20
5-Aug-10	406.84	18.37.31	379.40	10.38.55	395.61
6-Aug-10	411.30	08.03.14	375.89	11.20.35	395.38
7-Aug-10	408.01	06.08.46	372.84	23.08.25	392.96
8-Aug-10	47.54	18.00.43	376.83	23.06.59	395.49
9-Aug-10	406.61	08.03.38	377.29	23.09.57	391.14
10-Aug-10	401.92	20.52.14	379.17	12.13.16	391.72
11-Aug-10	411.30	17.28.19	384.33	14.47.10	397.91
12-Aug-10	407.78	05.05.48	389.02	12.42.12	399.70
13-Aug-10	406.84	06.04.55	--	--	401.02
14-Aug-10	419.03	06.03.20	394.65	11.16.36	405.30
15-Aug-10	417.16	16.03.17	393.94	22.18.27	407.06
16-Aug-10	415.75	07.03.24	386.67	19.27.03	400.94
17-Aug-10	411.53	07.07.03	381.05	14.57.08	397.81
18-Aug-10	411.53	07.59.13	384.09	14.47.08	399.57
19-Aug-10	410.36	07.59.53	394.41	19.34.37	403.64
20-Aug-10	414.34	06.07.40	389.96	19.20.03	402.63
21-Aug-10	414.34	05.01.43	389.72	19.31.50	404.76
22-Aug-10	416.92	05.02.10	400.51	12.18.25	407.81
23-Aug-10	415.75	06.05.01	391.60	13.50.27	404.51
24-Aug-10	416.69	04.41.09	394.65	19.43.38	408.92
25-Aug-10	416.92	04.00.06	393.24	19.40.49	406.29
26-Aug-10	413.41	04.21.57	387.61	19.53.20	403.62
27-Aug-10	411.30	07.38.53	387.85	19.24.52	400.30
28-Aug-10	410.12	00.00.00	382.22	19.20.18	396.74
29-Aug-10	412.00	06.38.08	385.50	20.53.15	398.99
30-Aug-10	410.36	06.02.16	382.92	19.20.12	396.72
31-Aug-10	411.06	08.03.13	385.50	19.15.28	398.31

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 AUGUST 2010

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REAPRKS
	DATE	TIME		DATE	TIME	
01	01.08.10	03.09	33/11KV 16MVA PR. TR.-II AT SUBZI MANDI	01.08.10	13.37	TR. TRIPPED ON 86, 87, 95ABC.
02	01.08.10	19.41	220/33KV 100MVA PR. TR.-I AT LODHI ROAD	01.08.10	22.36	TR TRIPPED WITHOUT INDICATION ALOG WITH 33KV I/C-I WHICH ALSO TRIPPED WITHOUT INDICATION.
03	02.08.10	03.24	33/11KV 16MVA PR. TR.-I AT SUBZI MANDI	02.08.10	03.40	TR. TRIPPED ON O/C `R' PHASE, 86 ALONG WITH 11KV I/C-I WHICH TRIPPED ON O/C `R&B' PH.
04	03.08.10	21.30	220KV BAMNAULI – NARAINA CKT-I	03.08.10	21.55	CKT TRIPPED ON DIST. PROT. `B&C' PH, 186 A&B AT BAMNAULI. NO TRIPPING AT NARAINA.
05	06.08.10	16.20	220/33KV 100MVA PR. TR.-I AT GEETA COLONY	06.08.10	20.48	TR. TRIPPED ON 86, BUCHLOZ, 30E ALONG WITH 33KV I/C-I WHICH TRIPPED ON 30, DIRECTIONAL O/C, E/F.
06	07.08.10	18.49	220KV WAZIRABAD – GEETA COLONY CKT-I& II	07.08.10	18.59	THE FOLLOWING TRIPPINGS OCCURRED :- **AT GEETA COLONY :** WAZIRABAD CKT-I: DIST PROT `ABC' PH ZONE-I WAZIRABAD CKT-II : DIST PROT `BC' PH. ZONE-I **AT WAZIRABAD :** GEETA OLONY CKT-I:DIST PROT `RYB' PHASE ZONE-I GEETA COLONY CKT-II : NO TRIPIPNG
07	07.08.10	18.30	220/66KV 100MVA PR. TR.-IV AT NAJAFGARH	07.08.10	18.50	TR. TRIPPED ON 86, BUCHLOZ.
08	08.08.10	10.45	220/33KV 50MVA PR. TR.-I AT OKHLA	08.08.10	12.40	TR. TRIPPED ON 87, 95C, 64RLV, 86 ALONG WITH 33KV I/C-I WICH TRIPPED ON 86
09	08.08.10	19.30	220/33KV 100MVA PR. TR-IV AT PATPARGANJ	08.08.10	20.40	TR. TRIPPED ON 86A, E/F, SUPERVISION ALONG WITH 33KV I/C-IV WHICH TRIPPED ON CB, 86.
10	10.08.10	19.43	220KV WAZIRABAD – GEETA COLONY CKT-I	10.08.10	19.58	CKT. TRIPPED ON DIST PROT `RYB' PHASE, ZONE-I AT WAZIRABAD AND ON MAIN-I : DIST PROT `ABC' PHASE AND MAIN-II : DIST PROT `AB' PHASE ZONE-I AT GEETA COLONY
11	11.08.10	15.31	220/66KV 100MVA PR. TR -II AT KANJHAWALA	11.08.10	20.04	TR. TRIPPED ON 86A, DIFFERENTIAL ``B' PHASE ALONG WITH 220KV BUS COUPLER WHICH TRIPPED ON 86, E/F.
12	11.08.10	16.52	220/33KV 100MVA PR. TR -I AT GEETA COLONY	11.08.10	18.24	TR. TRIPPED ON 86, 30E ALONG WITH 33KV I/C-I WHICH TRIPPED ON O/C, E/F, 30.
13	11.08.10	17.25	220/33KV 100MVA PR. TR.-II AT PARK STREET	11.08.10	18.47	TR. TRIPPED ON O/C `R' PHASE, 51A, 86A, 86B, E/F.
14	11.08.10	17.25	66/33KV 30MVA PR. TR.-I & II AT PARK STREET	11.08.10	18.53	TR.-I TRIPPED ON O/C `R' PH. 86 & TR.-II TRIPPED ON 86, REF, 64RLV ALONGWITH 33V I/-I & II. BOTH 33KV I/CS TRIPPED WITHOUT INDICATION.
15	11.08.10	18.52	400/220KV 315MVA ICT-IV AT BAWANA	12.08.10	11.58	ICT-IV TRIPPED ON MAIN : 86, TRIP RELAY, AUX OLTC, BUCHLOZ ABC PHASE, 30F, CTR 86 GRA FACIA : TCB AUTO RECLOSE LOCK OUT, 186A, 186B. `A' PHASE 195 ACTC-I, `A' PHASE 295AC TC-2, `B' PHASE 195, `B' PHASE 25BC TC-I.
16	12.08.10	12.42	220/33KV 100MVA PR. TR.-I & II AT IP	12.08.10	12.55	TR-I TRIPPED ON 86 AND TR. TRIPPED ON O/C. TR.-I & II CHARGED AT 12.48HRS. AND 12.55HRS RESPECTIVELY.

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REAPRKS
	DATE	TIME		DATE	TIME	
17	12.08.10	15.55	220KV BTPS – OKHLA CKT-I & II	12.08.10	16.16	BUS BAR PROTECTION OPERATED AT OKHLA. NO TRIPPING AT BTPS. CKT-I & II CHARGED AT 15.35HRS. AND 16.16HRS RESPECTIVELY.
18	12.08.10	15.55	220KV BTPS – GAZIPUR CKT.	12.08.10	16.43	BUS BAR PROTECTION OPERATED AT BTPS.
19	12.08.10	15.55	220KV BTPS – MEHRAULI CKT-II	12.08.10	22.23	BUS BAR PROTECTION OPERATED AT BTPS.
20	12.08.10	15.55	220KV BTPS – SARITA VIHAR CKT-II	12.08.10	16.03	BUS BAR PROTECTION OPERATED AT BTPS.
21	13.08.10	10.05	220KV PANIPAT – NARELA CKT-II	13.08.10	17.51	CKT. TRIPPED WITHOUT INDICATION AT NARELA.
22	13.08.10	18.23	220KV BTPS – MEHRAULI CKT-I	13.08.10	18.48	CKT TRIPPED ON DIST PROT `ABC' PHASE ZONE-I AT MEHRAULI.
23	14.08.10	11.26	220/33KV 100MVA PR. TR.-I AT NARAINA	14.08.10	12.29	TR. TRIPPED ON 30J, 30C.
24	14.08.10	14.08	220/33KV 100MVA PR. TR.-IV AT OKHLA	04.09.10	13.00	TR. TRIPPED ON 30A, BUCHLOZ, DIFFERENTIAL, 86 `R&Y' PH, INSTANTENOUS E/F ALONGWITH 33KV I/C-IV WHICH TRIPPED ON 86.
25	14.08.10	14.15	220/33KV 100MVA PR. TR.-II AT SHALIMAR BAGH	21.08.10	19.31	TR. TRPPED ON 30D, OLTC BUCHLOZ, 30C, OIL TEMP, 86.
26	14.08.10	16.59	220KV PATPARGANJ – GEETA COLONY CKT-I	14.08.10	17.07	CKT. TRIPPED ON ACTIVE GROUP-I, DIST PROT `ABC' PH. ZONE-I, 27RYB AT GEETA COLONY.
27	14.08.10	19.52	220KV NARELA – ROHTAK ROAD CKT-I & II	14.08.10	20.04	CKT. TRIPPED ON DIST PROT `ABC' PHASE VT FUSE. CKT-I & II CHARGED 20.02HRS & 22.04HRS RESPECTIVELY.
28	15.08.10	07.48	220KV PATPARGANJ – GEETA COLONY CKT-I	15.08.10	08.14	CKT TRIPPED ON ACTIVE GROUP-I, DIST PROT `ABC' PHASE ZONE-I, 27RYB, 30E, 86 AT GEETA COLONY. NO TRIPPING AT PATPARGANJ.
29	15.08.10	08.16	220KV PATPARGANJ – GEETA COLONY CKT-I	15.08.10	17.22	CKT. TRIPPED ON ACTIVE GROUP-I, DIST PROT AT GEETA COLONY. NO TRIPPING AT PATPAR GANJ. CKT. TRIED TO CLOSE AT 11.44HRS BUT AGAIN TRIPPED ON SAME INDICATIONS. CKT. FINALLY CHARGED AT 17.22HRS.
30	15.08.10	09.25	220KV NARELA – ROHTAK ROAD CKT-II	15.08.10	09.39	CKT. TRIPPED ON DIST PROT `ABC' PHASE ZONE-I AT NARELA.
31	15.08.10	10.48	220KV WAZIRABAD – GEETA COLONY CKT-I	15.08.10	11.00	CKT. TRIPPED ON DIST PROT `ABC' PHASE ZONE-I AT GEETA COLONY.
32	15.08.10	12.40	220KV MANDOLA – GOPALPUR CKT-I	15.08.10	12.49	CKT. TRIPED ON PHASE TO PHASE TRIPPING AT MANDOLA. NO TRIPPING AT GOPALPUR.
33	15.08.10	13.05	220KV WAZIRABAD – GEETA COLONY CKT-I	15.08.10	13.15	CKT. TRIPPED ON GENERAL TRIP, DIST PROT `RYB' PH ZONE-I AT WAZIRABAD AND ON DIST PROT `ABC' PHASE ZONE-I AT GEETA COLONY.
34	15.08.10	13.53	220KV WAZIRABAD – GEETA COLONY CKT-I	15.08.10	13.59	CKT. TRIPPED ON DIST PROT `RYB' PHASE ZONE-I AT WAZIRABAD AND ON DIST PROT. `ABC' PHASE ZONE-I (MAIN-I & II)
35	15.08.10	14.31	220KV NARELA – ROHTAK ROAD CKT-II	15.08.10	14.49	CKT. TRIPPED ON DIST PROT `ABC' PHASE ZONE-I, 186 AT NARELA.
36	15.08.10	14.33	220KV MANDOLA – GOPALPUR CKT.-I	15.08.10	14.46	SUPPLY FAILED FROM MANDOLA. NO TRIPPING AT GOPALPUR.

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REAPRKS
	DATE	TIME		DATE	TIME	
37	15.08.10	14.33	220KV MANDOLA – WAZIRABAD CKT-III	15.08.10	14.47	CKT. TRIPPED ON RXME18, DIST PROT `RYB' PHASE ZONE-I AT WAZIRABAD.
38	15.08.10	15.03	220KV BAMNAULI – NARAINA CKT-II	15.08.10	15.14	CKT. TRIPPED ON DIST PROT `Y&B' PHASE, 186A&B AT BAMNAULI. NO TRIPPING AT NARAINA.
39	15.08.10	15.16	220KV MANDOLA – GOPALPUR CKT-II	15.08.10	15.30	CKT. TRIPPED ON DIST PROT `Y&B' PHASE ZONE-II, 86RYB, 186A&B AT GOPALPUR.
40	15.08.10	15.25	220KV BAMNAULI – NARAINA CKT-II	15.08.10	15.45	CKT. TRIPPED ON DIST PROT `Y&B' PHASE, 186A&B AT BAMNAULI.
41	15.08.10	16.48	220KV PANIPAT – NARELA CKT-III	15.08.10	16.58	CKT. TRIPPED ON AUTO RECLOSE LOCK OUT AT NARELA.
42	15.08.10	16.47	220KV MANDOLA – GOPALPUR CKT-II	15.08.10	17.05	CKT. TRIPPED ON `RY' PHASE ZONE-II, 86RYB, 186 A&B AT MANDOLA. NO TRIPPING AT GOPALPUR.
43	15.08.10	17.05	220/33KV 100MVA PR. TR.-I AT PATPARGANJ	17.08.10	11.45	TR. TRIPPED ON DIFFERENTIAL.
44	15.08.10	17.15	220KV NARELA – ROHTAK ROAD CKT-II	15.08.10	17.27	CKT. TRIPPED ON DIST PROT `ABC' PHASE ZONE-I, 186 AT NARELA.
45	15.08.10	17.26	220KV BAWANA – ROHINI CKT.-I	15.08.10	17.30	CKT. TRIPPED ON DIST PROT `B&C' PHASE AT BAWANA. NO TRIPPING AT ROHINI.
46	15.08.10	18.33	220KV MAHARANI BAGH – PRAGATI CKT.	15.08.10	18.29	CKT. TRIPPED WITHOUT INDICATION AT MAHARANI BAGH. NO TRIPPING AT PRAGATI.
47	15.08.10	18.33	220KV MAHARANI BAGH – LODHI ROAD CKT-I	15.08.10	18.42	CKT. TRIPPED ON DIST PROT `Y' PHASE AT MAHARANI BAGH.
48	16.08.10	05.52	220KV KANJHAWALA – NAJAFGARH CKT.	16.08.10	06.04	CKT. TRIPPED ON 186 AT NAJAFGARH. 220KV BUS COUPLER TRIPPED ON 195ABC & 295ABC, 51N, E/F AT KANJHAWALA.
49	16.08.10	05.52	220KV BAWANA – NAJAFGARH CKT-II	16.08.10	05.58	CKT. TRIPPED ON 186 AT NAJAFGARH.
50	17.08.10	08.04	33/11KV 16MVA PR. TR.-II AT SUBZI MANDI	18.08.10	17.20	TR. TRIPPED ON 86, 87,51 ALONG WITH ITS 11KV I/C-II WHICH TRIPPED WITHOUT INDIACTION.
51	17.08.10	12.20	66/11KV 20MVA PR. TR.-II AT SARITA VIHAR	17.08.10	16.50	TR. TRIPPED ON BUCHLOZ, 86 ALONG WITH ITS 11KV I/C WHICH TRIPPED ON 86.
52	17.08.10	16.50	220KV PATPARGANJ – IP CKT-II	17.08.10	17.34	CKT. TRIPPED ON DIST PROT `ABC' PHASE, AUTO RECLOSE LOCK OUT 186 AT IP.
53	18.08.10	06.02	220/33KV 100MVA PR. TR.-I & IV AT PATPARGANJ	18.08.10	06.30	TR.-I TRIPPED ON 86, O/C `R' PHASE, E/F AND TR.-IV TRIPPED ON 86, 51N, E/F. EARTH WIRE REPORTED TO BE FALL ON TRANSFORMER
54	18.08.10	16.58	220KV BAMNAULI – NARAINA CKT-II	19.08.10	15.58	CKT. TRIPPED ON DIST PROT `Y&B' PHASE ZONE-II, AUTO RECLOSE LOCK OUT AT BAMNAULI. NO TRIPPING AT NARAINA
55	19.08.10	11.08	220KV BTPS – MEHRAULI CKT-I	19.08.10	12.08	CKT.TRIPPED ON 186 AT MEHRAULI.
56	21.08.10	05.50	220KV MEHRAULI – VASANT KUNJ CKT-II	21.08.10	06.06	CKT. TRIPPED ON DIST PROT `B' PHASE ZONE-II, 186A&B AT MEHRAULI. NO TRIPPING AT VASANT KUNJ.

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REAPRKS
	DATE	TIME		DATE	TIME	
57	21.08.10	13.10	220KV MEHRAULI – VASANT KUNJ CKT-I	21.08.10	13.15	CKT. TRIPPED ON DIST PROT `C' PHASE ZONE-II, 186A&B AT MEHRAULI. NO TRIPPING AT VASANT KUNJ.
58	21.08.10	14.03	220KV PATPARGANJ – GEETA COLONY CKT-I	21.08.10	14.11	CKT. TRIPPED ON ACTIVE GROUP-I, DIST PROT `ABC' PHASE ZONE-I (MAIN-I & II) AT GEETA COLONY. NO TRIPPING AT PATPARGANJ.
59	21.08.10	14.31	220/33KV 100MVA PR. TR.-III AT OKHLA	21.08.10	18.13	TR. TRIPPED ON TRIP CKT. FAULTY RELAY.
60	21.08.10	17.40	220KV MEHRAULI – VASANT KUNJ CKT-I	21.08.10	17.45	CKT. TRIPPED ON DIST PROT `C' PHASE ZONE-II, 195C AT MEHRAULI. NO TRIPPING AT VASANT KUNJ.
61	22.08.10	15.22	220KV MANDOLA – WAZIRABAD CKT-IV	22.08.10	15.22	CKT. TRIPPED ON DIST PROT `R&Y' PHASE ZONE-I AT MANDOLA AND ON RXME18, DIST PROT ZONE-I AT WAZIRABAD.
62	22.08.10	17.00	220/33KV 100MVA PR. TR.-I AT SUBZI MANDI	22.08.10	17.11	TR. TRIPPED ON 64RLV ALONG WITH 33KV I/C-I WHICH TRIPPED ON SUPERVISION RELAY.
63	23.08.10	06.17	220KV MEHRAULI – VASANT KUNJ CKT-I	23.08.10	06.26	CKT. TRIPPED ON DIST PROT `C' PHASE, 186A&B AT MEHRAULI. NO TRIPPING AT VASANT KUNJ.
64	23.08.10	07.09	400KV BAWANA – ABDULLAPUR CKT-II	23.08.10	10.38	CB-1352 AUTO TRIP. CB-1452 TRIPPED ON POLE DISCREPANCY.
65	23.08.10	07.54	220KV MEHRAULI – VASANT KUNJ CKT-I	23.08.10	07.58	CKT. TRIPPED ON DIST PROT `C' PHASE, 186A&B AT MEHRAULI. NO TRIPPING AT VASANTKUNJ
66	23.08.10	11.42	220KV MEHRAULI – VASANT KUNJ CKT-I	23.08.10	11.57	CKT. TRIPPED ON DIST PROT `B' PHASE, 186A&B AT MEHRAULI. NO TRIPPING AT VASANT KUNJ.
67	23.08.10	11.43	400KV BALLABHGARH – BAMNAULI CKT-I & II	23.08.10	12.24	CKT. TRIPPED ON DIST PROT, 186A&B, CN AIDED TRIP, DIST TO FAULT AND CKT-II TRIPPED ON 186A&B, CN ZONE-I & II, 2/50 AT BAMNAULI.
68	23.08.10	19.02	220/33KV 100MVA PR. TR.-I AT SUBZI MANDI	23.08.10	20.15	TR. TRIPPED ON 64RLV, RESTRICTED E/F ON HV SIDE, 86 ALONG WITH 33KV I/C-I WHICH TRIPPED ON 86, AC SUPPLY SUPERVISION RELAY, 80CD.
69	24.08.10	01.43	220/33KV 100MVA PR. TR.-II AT LODHI ROAD	24.08.10	16.30	TR. TRIPPED ON 30A, BUCHLOZ, 30B, 86, 2/50, AUTO RECLOSE, LBB PROTECTION, BUCHLOZ, ALONG WITH 33KV I/C-II.
70	24.08.10	16.50	220KV GOPALPUR – SUBZI MANDI CKT-II	24.08.10	17.19	CKT. TRIPPED ON DIST PROT `Y&B' PHASE ZONE-I AT GOPALPUR. NO TRIPPING AT SUBZI MANDI.
71	25.08.10	09.02	220/33KV 100MVA PR. TR.-I AT SUBZI MANDI	25.08.10	11.40	TR. TRIPPED ON 86, 64RLV, 87T.
72	26.08.10	14.58	400KV BALLABHGARH – BAMNAULI CKT-II	26.08.10	15.05	CKT. TRIPPED ON 186A&B, 85LO AT BAMNAULI.
73	26.08.10	15.12	400KV BALLABHGARH – BAMNAULI CKT-II	26.08.10	15.48	CKT. TRIPPED ON 186A&B, 85LO AT BAMNAULI.
74	26.08.10	15.15	400KV BALLABHGARH – BAMNAULI CKT-I	26.08.10	15.46	CKT. TRIPPED ON 186A&B, CARRIER LOCK OUT, 85LO. AT BAMNAULI.
75	28.08.10	20.06	220/33KV 100MVA PR. TR.-I AT GOPALPUR	29.08.10	15.15	TR. TRIPPED ON 164, 86, E/F ALONG WITH 33KV I/C-I WHICH TRIPPED WITHOUT INDICATION.

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REAPRKS
	DATE	TIME		DATE	TIME	
76	29.08.10	12.09	220KV SARITA VIHAR – MAHARANI BAGH CKT	29.08.10	12.28	CKT. TRIPPED ON DIST PROT `A' PHASE ZONE-I, 186A&B AT SARITA VIHAR AND ON DIST PROT `R' PHASE ZONE-I AT MAHARANI BAGH.
77	29.08.10	16.00	220KV PAPPANKALA–I BAMNAULI CKT-II	29.08.10	16.53	CKT. TRIPPED ON DIST PROT AT PAPPANKALAN-I. `Y' PHASE PT REPORTED TO BE FLASHED AT BUS-I.
78	29.08.10	17.38	220KV MANDOLA – GOPALPUT CKT-II	29.08.10	18.09	CKT. TRIPPED ON DIST PROT `R&Y' PHASE ZONE-I AT GOPALPUR AND ON DIST PROT, `B' PHASE, 86, 186A&B AT MANDOLA.
79	30.08.10	14.45	220/66KV 100MVA AND 160MVA PR. TR. AT VASANT KUNJ	30.08.10	14.50	100MVA PR. TR.TRIPPED ON 86 AND 160MVA PR. TR. TRIPPED ON 86, 51AY. BOTH 66KV I/C TRIPPED WITHOUT INDICATION. 100MVA PR. TR. CHARGED AT 14.50HRS AND 160MVA PR.TR. CHARGED AT 14.48HRS.
80	30.0810	20.40	220/66KV 160MVA PR. TR. AT VASANT KUNJ	30.08.10	20.58	TR. TRIPPED ON 86, 51AX (O/C) ALONG WITH ITS 66KV I/C WHICH TRIPPED ON INTER TRIPPING.
81	31.08.10	15.56	220KV MANDOLA – WAZIRABAD CKT-I, II, III & IV	31.08.10	16.15	CKT.-I & II TRIPPED ON DIST PROT `Y&B' PHASE ZONE-II AND CKT-II & IV TRIPPED ON DIST PROT `Y&B' ZONE-I, 186A&B, 86 AT MANDOLA. NO TRIPPING AT WAZIRABAD.
82	31.08.10	16.32	220/66KV 100MVA PR. TR.-I & II AT GAZIPUR	31.08.10	16.53	BOTH TRANSFORMERS TRIPPED ON TRIP CKT. FAULTY.
83	31.08.10	1830	220KV WAZIRABAD – GEETA COLONY CKT-I	31.08.10	18.52	CKT. TRIPPED ON DIST PROT `ABC' PHASE AT GEETA COLONY. NO TRIPPING AT WAZIRABAD.
84	31.08.10	18.30	220KV MANDOLA – WAZIRABAD CKT-I & II	31.08.10	18.52	BOTH CKT. TRIPPED ON DIST PROT ZONE-III `R TO N' PHASE, 186A&B, 86RYB AT MANDOLA. NO TRIPPING AT WAZIRABAD. CKT.-I & II CHARGED AT 18.52HRS. AND 16.15HRS RESPECTIVELY.

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

DATE	S. N.	TIME		Name of Grid	NAME OF AFFECTED FEEDERS	LOAD RELIEF IN MW
		OUT	IN			
06.08.10	1	23:11	23:20	ROHINI SEC. 22	11kV LOAD	60
	2	23:11	23:20	ROHINI - II	11kV LOAD	61
	3	23:11	23:20	ROHINI SEC. 23	11kV LOAD	61
09.08.10	1	20:52	20:58	GAZIPUR	VIVEK VIHAR CKT. I & II	43
	2	21:17	21:22	GAZIPUR	KONDLI CKT. I & II AND 11kV LOAD	65
	3	20:52	20:59	NAJAFGARH	BODELA -II CKT. I & II	98
10.08.10	1	21:09	21:13	GAZIPUR	VIVEK VIHAR CKT. I & II	67
	2	6:20	6:25	LODHI ROAD	LAJPAT NAGAR -II CKT. AND 11kV LOAD	17
	3	21:09	21:13	NAJAFGARH	BODELA -II CKT. I & II	107
	4	0:10	0:12	SHALIMARBAGH	SMB KHOSLA -II CKT., WAZIRPUR -II CKT. -I	48
	5	0:10	1:05	WAZIRPUR-II	11kV LOAD	20
	6	0:10	1:05	CIVIL LINE (NEW)	11kV LOAD	24
	7	0:10	1:05	ASHOK VIHAR	11kV LOAD	31
14.08.10	1	12:40	12:42	ROHTAK ROAD	RAMA ROAD CKT, VISHAL CKT, ANAND PARVAT CKT. MADIPUR CKT, S.B.MILL CKT,	55
20.08.10	1	19:21	19:30	OKHLA	OKHLA PH-II CKT I & II, NEHRU PLACE CKT-IV BALAJI CKT I & II	47
26.08.10	1	19:13	19:37	LODHI ROAD	LAJPAT NAGAR -II CKT. 11kV LOAD	27