DELHI TRANSCO LTD.

STATE LOAD DISPATCH CENTER

PROGRESS REPORT

****

OCTOBER - 2009

1 SALIENT FEATURES OF DELHI POWER SYSTEM

Sr. No.	Features	OCT 2009	OCT2008
1	**Effective Generation Capacity within Delhi in MW**		
	Indraprastha Power Station	247.5	247.5
	Rajghat Power House	135	135
	Gas Turbine	270	282
	Pragati Power Corporation Ltd.	330	330
	Badapur Thermal Power Station	705	705
	Total	1687.5	1699.5
2	**Maximum Unrestricted Demand (MW)**	**3980**	**3682**
	Date	01.10.2009	03.10.2008
	Time	19:00:00	18:51:30
3	**Peak Demand met (MW)**	**3957**	**3650**
	Date	01.10.2009	06.10.2008
	Time	18:56:36	19:16:25
4	Peak Availability (MW)	3704	3430
5	Shortage (-) / Surplus (+) in MW	(-)253	(-)220
6	Percentage Shortage (-) / Surplus (+)	(-)6.39	(-)5.98
7	Maximum Energy Consume in a day (Mus)	80.937	74.125
8	Energy Consumed during the month	**1856.735**	1908.585
9	**Load Shedding in Mus**		
A)	Due to Grid Restrictions		
i)	Under Frequency Relay Operations	0.272	3.878
ii)	Manual Load shedding from DTL S/Stns.	0.000	0.000
iii)	Load Shedding due to low frequency / Low Voltage / TTC/ATC Violation		0
	NDPL	0.000	2.483
	BRPL	0.00	1.298
	BYPL	0.000	0.380
	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	**0.272**	**8.039**
B)	Due to Constraints in System in Mus		
	DTL	0.558	0.402
	NDPL	5.019	0.049
	BRPL	0.739	2.193
	BYPL	0.402	0.050
	NDMC	0.000	0.000
	MES	0.000	0.000
	Other Agencies	0.243	0.014
	Total	**6.961**	**2.708**
11	**Grand Total in Mus**	**7.233**	**10.747**

2. PERFORMANCE OF GENERATING STATIONS WITHIN DELHI DURING OCT. 2009

A) For the month of October 2009

All Figures in MUs

S. No	Stations	Gross Generation	Aux. Consumption	Net Generation	Availability (%)	Backing Down
1.	**IP**	38.474	7.049	31.425	19.10	0.000
2.	**RPH**	37.409	5.241	32.168	35.67	0.000
3.	**GT**	145.491	4.679	140.812	84.13	23.72992
4.	**PPCL**	197.428	5.727	191.701	79.84	0.17450
5.	**BTPS**	475.55162	52.31068	423.24094	91.24	9.3050
	TOTAL	**894.35362**	**75.00668**	**819.34694**		**33.20942**

B) For the Year 2009-10(Upto October 2009)

Power Station	Effecti ve Capaci ty (MW)	Net Gene- ration in MUs For Oct 09	Avail -ability (%) For Oct.'09	PLF (%) For Oct. 09	Cumulative Generation in MUs upto Oct. 09 for the year 2009-10	Cumulative Availability in % upto Oct. 09 for the year 2009-10	Cumulative PLF in % upto Oct 09 for the year 2009-10
IP	247.5	31.425	19.10	19.10	382.083	33.43	33.43
RPH	135	32.168	35.67	35.67	339.423	55.32	55.32
GT	282	140.812	84.13	71.96	895.502	72.96	66.54
PPCL	330	191.701	79.84	79.77	1324.560	80.86	79.88
BTPS	705	423.24094	91.24	89.25	2986.070	92.83	91.36
TOTAL	**1699.5**	**819.34694**			**5927.638**		

3 DETAILS OF OUTAGES OF GENERATING STNS. WITHIN DELHI W.E.F. APRIL 2009

(A) IP STATION

Unit no.	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
2	**62.5**	03.04.09	07.02	03.04.09	08.58	D- Rediator Level not maintained.
		03.04.09	09.35	05.04.09	07.25	Loss of excitation
		21.04.09	05.22	27.04.09	23.05	Boiler Tube Leakage
		17.05.09	00.07	19.05.09	12.03	Problem in Bottom System
		19.05.09	21.20	20.05.09	02.15	Low vacuum
		22.05.09	14.39	22.05.09	16.15	Due to tripping of associated transmission lines.
		01.06.09	09.25	01.06.09	11.08	
		05.06.09	15.08	05.06.09	16.40	
		15.06.09	13.32	15.06.9	14.30	
		29.06.09	22.50	01.07.09	15.45	Boiler Tube Leakage
		06.07.09	12.40	06.07.09	13.53	Fire out.
		14.07.09	09.40	14.07.09	11.35	Due to tripping of associated transmission lines.
		28.07.09	10.53	28.07.09	20.15	Steam line burnt
		03.08.09	05.05	03.08.09	17.52	Problem in Boiler Feed Pump
		11.08.09	17.50	13.08.09	07.40	Boiler Tube Leakage
		27.08.09	17.30	08.09.09	20.28	Due to tripping of associated transmission lines. Could not synchronized due to Durator Valve Knob
		11.09.09	07.55	11.09.09	14.42	CHP Problem
		12.09.09	11.25	15.09.09	07.58	Boiler Tube Leakage
		26.09.09	21.45	29.09.09	17.52	Steam Leakage in Turbine
		29.09.09	20.15	30.09.09	08.18	Generator Stator Temp High
		08.10.09	18.18	11.10.09	13.42	Boiler Tube Leakage
		26.10.09	09.25	26.10.09	21.40	No Coal flow
3	**62.5**	06.04.09	13.38	09.04.09	07.07	Boiler Tube Leakage
		06.05.09	06.30	08.05.09	21.55	Boiler Tube Leakage
		19.05.09	21.11	20.05.09	04.58	Low vacuum
		28.05.09	09.22	28.05.09	11.35	Bus differential operation.
		01.06.09	09.29	01.06.09	11.52	Due to tripping of associated transmission lines.
		10.06.09	09.52	10.06.09	12.10	Vacuum Problem
		14.06.09	00.01	28.06.09	08.35	Boiler Tube Leakage
		12.07.09	10.50	15.07.09	00.12	Boiler Tube Leakage
		31.07.09	20.30	01.08.09	04.44	Due to jerk
		02.08.09	22.58	03.08.09	10.30	Low coal flow
		05.08.09	00.10	08.08.09	01.50	Condenser Tube Leakage
		11.08.09	09.30	11.08.09	15.43	No Coal Flow
		17.08.09	08.55	17.08.09	11.43	Due to tripping of associated transmission lines.
		17.08.09	14.01	18.08.09	23.55	Problem in Coal Bunker
		24.08.09	21.10	25.08.09	20.25	Shortage of DM Water.
		27.08.09	17.50	28.08.09	00.50	Due to tripping of associated transmission lines.
		28.08.09	22.50	06.09.09	14.02	Boiler Tube Leakage
		08.09.09	23.40			Condenser Tube Leakage
		24.09.09	12.15	27.09.09	07.30	ID Fan problem
		04.10.09	09.35	05.10.09	09.50	Leakage in Control Valve Pipe
		20.10.09	23.55	23.10.09	07.20	Coal Mill Problem
		28.10.09	21.30			Unit stopped

Unit no.	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
4	**62.5**	04.04.09	10.30	04.04.09	12.32	Electrocution Trip Device Alarm
		29.04.09	05.10	29.04.09	09.35	Coal mill problem
		29.04.09	12.43	13.05.09	16.43	Main Buchloz Relay Operated(Tx-4)
		19.05.09	21.11	24.05.09	15.05	Low vacuum
		25.05.09	19.42	27.05.09	23.15	Boiler Tube Leakage
		28.05.09	09.25	28.05.09	10.34	Bus differential operation.
		01.06.09	09.25	12.06	18.45	Reduction Gear Problem
		15.06.09	13.32	15.06.09	15.10	Due to tripping of associated transmission lines.
		22.06.09	20.57	24.06.09	04.40	Boiler Tube Leakage
		29.06.09	22.50	30.06.09	01.40	Due to tripping of associated transmission lines.
		04.07.09	06.00	15.07.09	16.25	Shortage of DM water
		26.07.09	15.55	27.07.09	07.12	Due to fire in boiler
		28.07.09	05.30	30.07.09	01.10	Shortage of coal
		03.08.09	07.30	03.08.09	08.58	Low Vacuum
		10.08.09	04.25	10.08.09	22.55	Coal Bunker Empty
		17.08.09	08.55	17.08.09	10.05	Coal Bunker Empty
		18.08.09	05.40	18.05.09	06.58	Low Coal Flow
		18.08.09	07.10	28.08.09	11.55	Condenser Tube Leakage
		28.08.09	14.45	29.08.09	13.12	Heavy Steam Leakage in Boiler
		04.09.09	01.55	04.09.09	11.32	Tripped on ETD
		04.09.09	14.40	06.09.09	04.45	Boiler Tube Leakage
		12.09.09	16.37	12.09.09	20.55	Fire out
		17.09.09	19.45	19.09.09	23.55	Boiler Tube Leakage
		03.10.09	18.27	17.10.09	05.30	Boiler Tube Leakage
		20.10.09	07.25	20.10.09	07.20	Coal mill problem
		20.10.09	23.55	23.10.09	15.16	Coal mill problem
		26.10.09	15.35	28.10.09	21.40	No coal availability
		29.10.09	18.22	29.10.09	22.50	No coal availability
5	**60**	31.03.09	04.03	04.04.09	05.58	Electrocution Trip Device Alarm
		09.04.09	02.40	12.04.09	00.35	Boiler Tube Leakage
		12.04.09	17.40	15.04.09	16.45	Electrocution Trip Device Alarm
		15.04.09	19.43	18.04.09	23.17	Electrocution Trip Device Alarm
		22.04.09	19.02	24.04.09	16.00	Condenser Tube Leakage
		04.05.09	09.45	04.05.09	10.26	Tripped due to jerk due to tripping of 33kV Bay-29
		04.05.09	20.56	11.05.09	05.15	Fire in PA Fan
		15.05.09	23.18	16.05.09	07.40	Problem in RC Feeder
		18.05.09	13.10	05.07.09	03.45	ID Fan Problem
		05.07.09	07.00	08.07.09	02.35	Boiler Tube Leakage
		08.07.09	10.30	12.07.09	03.24	Condenser Tube Leakage
		13.07.09	06.50	13.07.09	07.05	Drum level high
		13.07.09	07.50	13.07.09	23.25	Shortage of DM water
		14.07.09	09.42	14.07.09	18.55	Due to tripping of associated transmission lines
		26.07.09	16.02	28.07.09	20.05	Condenser Tube Leakage
		29.07.09	12.12.	29.07.09	12.55	Auxiliary supply failure
		31.07.09	07.35	31.07.09	08.35	Fire out
		06.08.09	20.48	11.08.09	08.30	Condenser Tube Leakage
		11.08.09	08.35	11.08.09	09.08	Low Vacuum

Unit no.	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
5	60	15.08.09	05.02	15.08.09	17.10	Maintenance work
		17.08.09	11.28	19.08.09	18.50	Problem in coal bunker
		21.08.09	13.27	21.08.09	13.55	Tripped due to jerk
		23.08.09	21.01	29.08.09	22.50	Shortage of DM Water
		03.09.09	17.46	09.09.09	07.52	Vapour Fan5-1 & Mill 5-2 out
		09.09.09	13.40	13.09.09	13.15	Low vacuum
		17.09.09	12.45	17.09.09	18.25	Low vacuum
		19.09.09	18.22	19.09.09	19.20	Low vacuum
		20.09.09	12.42	27.09.09	12.47	Coal Mill Problem
		28.09.09	02.50	03.10.09	03.05	Boiler Tube Leakage
		03.10.09	18.09	31.10.09	18.50	Due to tripping of 33kV Bay-38
		04.10.09	22.58	12.10.09	13.55	Boiler Tube Leakage
		14.10.09	20.00	16.10.00	14.20	Boiler Tube Leakage
		17.10.09	21.55	18.10.09	06.35	Coal not available
		22.10.09	09.45	01.11.09	03.20	Boiler Tube Leakage

(B) RPH STATION

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	**67.5**	05.04.09	07.05	05.04.09	08.05	Bus Bar Protection Operated
		10.04.09	08.48	10.04.09	19.33	Condenser Tube Leakage
		09.05.09	03.16	09.05.09	09.46	Cooling Line Problem
		12.05.09	20.05	13.05.09	14.26	Turbine Vibration High
		22.05.09	14.39	22.05.09	10.02	Tripped due to tripping of associated transmission lines
		01.06.09	09.24	01.06.09	10.35	
		05.06.09	15.10	05.06.09	17.16	
		15.06.09	13.35	15.06.09	15.20	
		29.06.09	15.40	29.06.09	20.50	
		03.07.09	01.20	06.07.09	14.20	Thrust bearing maintenance.
		06.07.09	23.33	07.07.09	15.22	Condenser Vacuum low
		07.07.09	20.09	07.07.09	20.42	Flam failure
		14.07.09	09.42	14.07.09	14.48	Tripped due to tripping of associated transmission lines
		15.07.09	22.30	18.07.09	11.05	Condenser Tube Leakage
		18.07.09	11.20	18.07.09	12.05	Boiler Flame Failure
		28.07.09	15.27	28.07.09	16.22	Flame Failure
		28.07.09	18.03	28.07.09	18.39	Flame Failure
		30.07.09	10.52	31.07.09	11.40	Condenser Tube Leakage
		31.07.09	12.32	31.07.09	13.15	Drum level high
		01.08.09	07.52	01.08.09	08.55	Jerk due to appearance of money in yard
		01.08.09	18.20	01.08.09	19.01	Flame failure
		02.08.09	15.19	02.08.09	15.45	Flame failure
		07.08.09	10.44	07.08.09	11..31	Flame failure
		09.08.09	03.55	09.08.09	04.25	Flame failure
		21.08.09	14.34			Buchloz Relay operated
		23.08.09	19.31	23.08.09	20.07	Burner Pressure High
		25.08.09	17.50	25.08.09	18.25	High Furnace pressure.
		27.08.09	17.35	27.08.09	20.30	Boiler flame failure
		01.09.09	05.26	01.09.09	06.18	Flame failure

Unit no.	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	**67.5**	01.09.09	10.17	02.09.09	11.48	Tripped due to tripping of associated transmission lines
		06.09.09	18.35	06.09.09	18.58	Flame failure
		11.09.09	04.38	11.09.09	05.05	Flame failure
		11.09.09	23.50	13.09.09	18.08	Boiler Tube Leakage
		13.09.09	19.51	13.09.09	22.32	Unit Auxiliary TX. tripped on E/F
		14.09.09	06.58	14.09.09	07.50	Flame failure
		16.09.09	05.24	16.09.09	05.59	Flame failure
		02.10.09	09.43	03.10.09	10.09	To attend various leakages
		03.10.09	10.58	03.10.09	11.14	Flame failure
		10.10.09	17.03	11.10.09	02.35	To attend raw water
2	**67.5**	05.04.09	07.05	05.04.09	08.05	Bus Bar Protection Operated
		09.04.09	02.26	09.04.09	23.20	Boiler Tube Leakage
		25.04.09	19.30	25.04.09	21.52	Shaft Vibration High
		08.05.09	08.54	09.05.09	10.05	Condenser Tube Leakage
		11.05.09	20.49	11.05.09	22.10	Turbine Vibration high
		20.05.09	10.04	20.05.09	12.05	Turbine Vibration high
		22.05.09	14.39	23.05.09	00.41	Tripped due to tripping of associated transmission lines
		01.06.09	09.24	01.06.09	11.10	
		01.06.09	11.42	01.06.09	13.20	Low vacuum
		05.06.09	15.10	05.06.09	17.45	Tripped due to tripping of associated transmission lines
		07.06.09	07.25	07.06.09	21.06	To check Turbine in Auxiliary
		15.06.09	13.35	15.06.09	15.27	Tripped due to tripping of associated transmission lines
		06.07.09	23.34	07.07.09	15.20	Condenser Vacuum low
		10.07.09	22.08	10.07.09	23.08	Condenser Vacuum low
		14.07.09	09.42	14.07.09	15.20	Tripped due to tripping of associated transmission lines
		18.07.09	20.20	19.07.09	11.45	Electrical Fault
		01.08.09	01.15	03.08.09	05.58	Condenser Tube Leakage
		21.08.09	16.28	21.08.09	18.54	Furnace Pressure High
		27.08.09	17.51	27.08.9	22.08	Tripped due to tripping of associated transmission lines
		28.08.09	00.18	28.08.09	01.33	Turbine Tripped
		28.08.09	03.16	28.08.09	04.33	Turbine Tripped
		28.08.09	03.57	29.08.09	04.15	Turbine Tripped
		29.08.09	12.25	30.08.09	00.38	Condenser Tube Leakage
		31.08.09	18.03	31.08.09	19.07	Low Vacuum
		02.09.09	10.17	02.09.09	11.52	Tripped due to tripping of associated transmission lines
		10.09.09	08.23	10.09.09	17.20	Stator Earth Fault
		12.09.09	16.10	30.11.09	08.24	For major overhauling

(C) Gas Turbine

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	30	15.04.09	16.15	16.04.09	22.55	Due to overloading on 100 MVA Tr
		05.05.09	08.01	05.05.09	13.00	
		05.05.09	13.00	05.05.09	19.45	For installing the ABT Meter.
		12.06.09	15.15	12.06.09	15.44	FSNL due to tripping of 160 MVA Tx at both end
		28.06.09	06.02	29.06.9	00.28	To attend HSD leakage from the Nozzles.
		08.07.09	23.54	09.07.09	02.07	Due to combined cycle trip alarm.
		09.07.09	11.40	17.07.09	08.55	To attend the GT duct for HRSG# 1.
		17.07.09	13.16	17.07.09	16.14	Emergency manual trip alarm
		19.07.09	05.29	19.07.09	07.20	Tripped due to blast in the breaker of 5 MVA in switch gear room..
		21.08.09	16.49	21.08.09	18.11	SF6 gas pressure low
		23.08.09	06.05	23.08.09	21.10	Gas Restriction
		28.08.09	04.32	28.08.09	05.45	Exhaust Temperature High
		01.09.09	22.35	02.09.09	03.25	Electrical Problem
		13.09.09	11.35	13.09.09	18.25	To charge 66KV Dead Bus from Grid.
		17.09.09	10.54	17.09.09	16.50	Tripped due to Grid failure.
		17.09.09	19.40	17.09.09	22.55	Gas restriction
		20.09.09	06.02	20.09.09	09.45	Gas restriction
		23.09.09	06.27	23.09.09	08.02	Loss of flame.
		23.09.09	16.15	24.09.09	00.05	To repair liquid fuel pump
		24.09.09	11.30	24.09.09	20.10	To replace liquid fuel pump.
		26.09.09	08.05	26.09.09	08.10	Came on FSNL due to jerk
		26.09.09	22.15	26.09.09	23.13	High Exhaust Temperature
		30.09.09	11.47	30.09.09	13.55	Tripped on gen. over current alarm
		09.10.09	22.40	10.10.09	02.50	Generator O/C, Over voltage alarm appeared on protection panel.
		30.10.09	15.10	30.10.09	15.30	Tripped due to Grid Failure
2	30	02.04.09	12.47	03.04.09	05.55	Gas Restriction
		08.04.09	12.02	30.04.09	24.00	Major Overhauling
		01.05.09	00.00	19.05.09	13.35	Stopped for Major Inspection.
		22.05.09	20.10	23.05.09	21.50	Swapping of gas to PPCL
		24.05.09	11.05	26.05.09	14.20	Available on Open Cycle
		28.05.09	01.05	28.05.09	11.38	Gas Restriction
		28.05.09	12.00	28.05.09	13.14	Gas Restriction
		30.0.09	12.55	30.05.09	19.58	Gas Restriction
		30.05.09	22.32	31.05.09	23.59	Gas Restriction
		01.06.09	00.00	01.06.09	19.42	Gas Restriction
		03.06.09	05.50	03.06.09	17.14	Gas Restriction
		04.06.09	06.32	04.06.09	09.35	Gas Restriction
		05.06.09	11.30	05.06.09	19.35	Gas Restriction
		07.06.09	01.48	07.06.09	18.45	Gas Restriction
		08.06.09	00.10	08.06.09	18.20	To attending Leakages
		09.06.09	00.02	09.06.09	10.35	To attending Leakages
		10.06.09	07.09	10.06.09	17.50	To attending Leakages
		11.06.09	07.47	11.06.09	19.55	To attending Leakages
		12.06.09	03.02	15.06.09	19.20	Swapping of gas to PPCL
		16.06.09	06.02	16.06.09	15.25	Swapping of gas to PPCL
		16.06.09	15.55	16.06.09	20.45	Exhaust Temperature high
		16.06.09	20.45	17.06.09	01.20	Gas Restriction

Unit no.	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
2	30	17.06.09	01.32	17.06.09	10.27	Exhaust Temperature high
		17.06.09	11.30	17.06.09	14.32	Gas Restriction
		18.06.09	00.02	21.06.09	11.20	Swapping of gas to PPCL
		24.06.09	00.32	25.06.09	09.50	Swapping of gas to PPCL
		26.06.09	22.25	26.06.09	22.55	Exhaust Temperature high
		30.06.09	20.20	02.07	14.05	Gas Restriction
		02.07.09	18.32	03.07.09	03.15	Gas Restriction
		03.07.09	18.02	03.07.09	23.50	Gas Restriction
		04.07.09	01.05	04.07.09	16.10	Gas Restriction
		19.07.09	05.29	19.07.09	06.38	Due to blast in the breaker of 5 MVA in switch gear room..
		22.07.09	04.04	23.07.09	13.20	To attend lube oil leakages.
		04.08.09	07.25	04.08.09	08.13	Tripped while changing over from Gas to liquid fuel as the Distilite fuel pump-1 did not start on Auto.
		05.08.09	15.04	05.08.09	15.40	Exhaust Temperature High
		23.08.09	21.15	23.08.09	23.11	Gas Restriction
		23.08.09	23.11	20.09.09	00.52	High vibration at 1800 RPM
		03.10.09	06.02	03.10.09	09.40	Turbine under speed alarm appeared
		04.10.09	01.53	04.10.09	05.55	Exhaust Temperature High
		07.10.09	20.38	08.10.09	16.10	Gas Restriction
		30.10.09	15.10	30.10.09	16.29	Tripped due to Grid Failure
3	**30**	29.04.09	00.50	29.04.09	03.29	LTTH High
		07.05.09	09.02	07.05.09	22.23	Swapping of gas to PPCL
		17.05.09	12.42	17.05.09	17.42	Lube oil temperature high
		19.05.09	12.45	22.05.09	19.40	Swapping of gas to PPCL
		02.06.09	00.25	02.06.09	19.28	Swapping of gas to PPCL
		09.06.09	23.02	10.06.09	06.52	Swapping of gas to PPCL
		12.06.09	00.00	12.06.09	12.13	Swapping of gas to PPCL
		12.06.09	15.15	12.06.09	20.07	Due to tripping of 160 MVA Tx at both end
		15.06.09	13.30	15.06.09	14.45	
		16.06.09	19.10	17.06.09	09.45	Swapping of gas to PPCL
		17.06.09	19.45	18.06.09	12.55	Swapping of gas to PPCL
		21.06.09	12.30	22.06.09	00.28	Swapping of gas to PPCL
		22.06.09	03.00	22.06.09	09.57	Swapping of gas to PPCL
		22.06.09	22.15	23.06.09	12.40	Swapping of gas to PPCL
		29.06.09	11.45	29.06.09	19.27	To attend leakage in HRSG#3
		30.06.09	01.32	30.06.09	11.55	Swapping of gas to PPCL
		30.06.09	23.30	01.07.09	05.58	Swapping of gas to PPCL
		07.07.09	05.42	07.07.09	13.47	Malfunctioning of Battery Charger.
		19.07.09	05.29	19.07.09	08.50	Due to blast in the breaker of 5 MVA in switch gear room.
		27.07.09	20.50	27.07.09	23.07	Tripped on loss of flame.
		15.08.09	10.15	15.08.09	20.55	Gas Restriction
		21.08.09	14.38	21.08.09	16.58	Loss of flame
		31.08.09	21.50	31.08.09	23.59	Tripped without any Audio alarm.
		13.09.09	09.50	13.09.09	10.41	Tripped due to Grid failure.
		13.09.09	11.20	13.09.09	16.15	To charge 66 KV Dead Bus from Grid.
		17.09.09	10.54	17.09.09	12.20	Tripped due to Grid failure.
		20.09.09	09.55	21.09.09	23.34	To provide shut down on 160MVA Tx

Unit no.	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
3	30	13.10.09	00.05	13.10.09	18.40	
		13.10.09	20.05	14.10.09	20.10	
		14.10.09	22.05	15.10.09	18.02	
		16.10.09	22.03	17.10.09	18.02	
		17.10.09	20.08	18.10.09	18.02	
		18.10.09	20.05	19.10.09	18.45	Gas restriction
		19.10.09	20.05	20.10.09	18.05	
		21.10.09	00.01	21.10.09	18.00	
		21.10.09	20.05	22.10.09	17.45	
		23.10.09	06.10	23.10.09	11.28	
		29.10.09	21.02	29.10.09	23.50	
		30.10.09	15.10	30.10.09	15.58	Tripped due to Grid Failure
		31.10.09	07.02	31.10.09	18.04	Gas restriction
4	30	10.04.09	11.32	10.04.09	15.20	Gas Restriction
		08.05.09	09.10	09.05.09	01.20	Swapping of gas to PPCL
		10.05.09	17.24	10.05.09	20.25	High exhaust temperature
		13.05.09	22.10	13.05.09	23.59	Swapping of gas to PPCL
		24.05.09	11.05	25.05.09	21.20	Gas Restriction
		31.05.09	08.35	31.05.09	08.42	To close 66 KV Bus Coupler.
		13.06.09	06.10	13.06.09	18.20	Swapping of gas to PPCL
		14.06.09	15.04	16.06.09	02.38	Swapping of gas to PPCL
		26.06.09	01.100	26.06.09	13.27	Swapping of gas to PPCL
		04.07.09	16.25	05.07.09	20.02	Swapping of gas to PPCL
		05.07.09	20.28	07.07.09	19.50	Lube oil pressure low
		13.07.09	16.03	28.07.09	15.28	High exhaust temperature
		11.08.09	13.55	11.08.09	18.50	Electrical trouble
		21.08.09	16.39	21.08.09	18.37	Electrical trouble
		21.08.09	18.40	21.08.09	22.15	Electrical trouble
		10.09.09	16.25	10.09.09	18.57	Came on FSNL & reverse power operated on protection panel.
		13.09.09	09.50	13.09.09	14.10	Came on FSNL due to Grid failure
		17.09.09	10.54	17.09.09	12.25	Tripped due to Grid failure
		20.09.09	01.15	21.09.09	22.50	Swapping of gas to PPCL.
		24.09.09	13.58	24.09.09	16.15	To check load hunting
		27.09.09	20.10	29.09.09	11.07	Swapping of gas to PPCL.
		29.09.09	11.41	29.09.09	12.40	Gas fuel hydraulic trip pressure low
		29.09.09	13.33	29.09.09	16.10	Gas fuel hydraulic trip pressure low
		04.10.09	13.40	07.10.09	19.20	
		09.10.09	14.26	09.10.09	19.02	
		10.10.09	11.05	10.10.09	19.12	
		11.10.09	03.50	11.10.09	18.25	
		15.10.09	20.40	16.10.09	18.50	
		22.10.09	07.05	22.10.09	17.55	
		23.10.09	06.15	23.10.09	09.50	Stopped as liquid fuel generation not required by SLDC
		24.10.09	08.09	24.10.09	10.55	
		25.10.09	07.20	25.10.09	18.02	
		25.10.09	21.47	26.10.09	09.45	
		25.10.09	21.47	26.10.09	09.45	
		27.10.09	08.02	27.10.09	21.08	
		30.10.09	15.10	30.10.09	16.27	

Unit no.	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
5	30	18.04.09	06.02	18.04.09	11.45	HRSG Leakage
		24.04.09	08.02	24.04.09	19.30	Due to planned shut-down of 220/66kV 160MVA Pr. Tr.
		26.04.09	09.35	26.04.09	21.18	
		09.05.09	00.56	09.05.09	17.25	C&I Problem
		10.05.09	14.52	10.05.09	17.15	High exhaust temp.
		31.05.09	08.32	31.05.09	12.38	To close 66 KV Bus Coupler
		15.06.09	13.30	15.06.09	15.10	Due to tripping of 100 MVA Tx.
		16.07.09	11.45	16.07.09	23.05	C&I problem
		19.07.09	05.29	19.07.09	06.45	Due to blast in the breaker of 5 MVA in switch gear room..
		10.09.09	20.05	10.09.09	21.07	Swapping of gas to PPCL.
		12.09.09	13.17	13.09.09	11.53	Swapping of gas to PPCL.
		15.09.09	10.32	16.09.09	10.52	Swapping of gas to PPCL.
		17.09.09	10.54	17.09.09	12.00	Swapping of gas to PPCL.
		09.10.09	11.10	09.10.09	18.25	Hydraulic Protection Trouble and Lube oil header temperature low
		28.10.09	01.05	28.10.09	17.35	Gas Restriction
		30.10.09	15.10	30.10.09	16.04	Tripped due to Grid Failure
6	30	29.04.09	17.26	29.04.09	22.55	Electrical Fault
		09.05.09	14.32	09.05.09	23.59	To install ABT -complaint meters.
		10.05.09	15.35	10.05.09	16.43	Tripped without out any alarm
		11.05.09	22.02	12.05.09	17.44	Swapping of gas to PPCL
		16.05.09	00.32	16.05.09	13.46	Swapping of gas to PPCL
		26.05.09	14.31	26.05.09	17.50	To replace Gen. differential relay.
		31.05.09	08.35	31.05.09	08.42	To close 66 KV Bus Coupler.
		15.06.09	13.30	15.06.09	14.10	Due to tripping of 100 MVA Tx at both end.
		30.06.09	2330	01.07.09	06.42	Swapping of gas to PPCL
		12.07.09	02.40	12.07.09	14.25	Loss of Excitation
		19.07.09	13.28	19.07.09	13.50	FSNL due to Gen. Over heating alarm appearing on protection panel
		19.07.09	17.50	19.07.09	18.35	
		29.07.09	15.40	29.07.09	20.25	Electrical Problem
		21.08.09	16.37	22.08.09	19.40	Tripped on preignition pressure p-2 high and Battery ground alarm
		04.09.09	18.15	06.09.09	15.55	Gas Restriction
		10.09.09	20.15	11.09.09	19.20	Lss of excitation.
		13.09.09	09.50	13.09.09	10.43	Came on FSNl due to Grid failure
		16.09.09	06.04	16.09.09	15.20	Gas Restriction
		17.09.09	10.54	17.09.09	12.32	Tripped due to failure of Grid
		17.09.09	22.20	17.09.09	23.40	Loss of Excitation
		26.09.09	08.05	26.09.09	08.21	Came on FSNL due to jerk
		28.09.09	18.55	29.09.09	12.05	Gas Restriction
		13.10.09	00.06	13.10.09	15.15	Gas Restriction
		14.10.09	23.46	15.10.09	06.10	Gas Restriction
		30.10.09	15.10	30.10.09	15.37	Tripped due to Grid Failure
STG1	34	06.04.09	10.30	08.04.09	12.00	BTL
		21.04.09	00.05	22.04.09	21.10	Maintenance work
		28.04.09	08.33	29.04.09	16.20	HRSG Leakage
		30.04.09	11.58	30.04.09	12.28	AVR System Problem
		01.05.09	16.58	01.05.09	20.33	Tripped due to CEP 1-A tripped.

Unit no.	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG1	**34**	03.05.09	23.10	04.05.09	04.40	Tripped due to disappearance of drum parameters
		05.05.09	08.01	06.05.09	01.05	Stopped due to stopping of GT-1 since only HRSG-I in service.
		13.05.09	11.20	13.05.09	14.27	Tripped while change over Auxiliary supply from 7.5 MVA to 20 MVA.
		13.05.09	18.06	13.05.09	19.40	Tripped on false alarm of HRSG# I
		22.05.09	19.42	22.05.09	22.05	Malfunctioning of parameters
		31.05.09	08.35	31.05.09	21.28	Failure of 800 KVA transformer.
		02.06.09	18.13	02.06.09	19.20	Due to tripping of BFP-1A & HRSG# 1 & 2.
		06.06.09	22.02	07.06.09	23.40	Stopped to attend various leakages.
		12.06.09	15.15	12.06.09	16.53	Due to tripping of 160 MVA Tx at both end
		15.06.09	13.30	15.06.09	14.42	Due to tripping of 100 MVA Tx.
		20.06.09	06.02	20.06.09	23.48	Stopped to attend various leakages.
		26.06.09	04.05	26.06.09	04.25	Tripped on low ho twell level
		30.06.09	13.00	30.06.09	20.05	To attend leakage at PRDS station
		09.07.09	04.45	09.07.09	08.20	Due to malfunctioning of parameters
		14.07.09	00.05	17.07.09	17.25	Toto attend tube leakage in HRSG#2
		19.07.09	05.29	19.07.09	07.58	Due to blast in the breaker of 5 MVA in switch gear room..
		21.07.09	08.38	21.07.09	09.28	Tripped due to tripping of 800 KVA transformer on instantaneous O/C
		28.07.09	18.05	28.07.09	18.26	Due to tripping of 7.5 MVA Tx
		09.08.09	17.55	09.08.09	19.47	Tripped due to alarm of GT-1 Tripped appeared on STG# I BCD which led to tripping of HRSG-I & subsequently STG# I.
		23.08.09	00.05	24.08.09	19.10	To attend PRDS leakage.
		26.08.09	02.15	26.08.09	05.05	Tripped due to Closing of MS-1 Valve
		26.08.09	18.05	26.08.09	19.52	Channel-I & II operated.
		27.08.09	08.15	27.08.09	12.55	Tripped though all the parameters were normal at BCD.
		27.08.09	15.05	27.08.09	20.50	Control Oil pressure very low
		28.08.09	04.32	28.08.09	06.35	Tripped due to tripping of GT# 1.
		01.09.09	22.35	02.09.09	04.55	Tripped due to tripping of GT# 1
		02.09.09	07.31	02.09.09	22.55	C&I Problem
		07.09.09	02.20	07.09.09	20.04	Tripped due to GT# 1came on FSNL
		13.09.09	09.50	14.09.09	06.40	Tripped due to Grid failure.
		14.09.09	13.52	14.09.09	19.05	Exhaust Steam Pressure High.
		17.09.09	10.54	18.09.09	00.20	Tripped during Grid failure
		28.09.09	10.05	28.09.09	11.52	Turbine shaft vibration very high.
		30.10.09	02.40	30.10.09	04.33	Tripped due to failure of BK Card
		30.10.09	15.10	30.10.09	16.25	Tripped due to Grid Failure
STG2	**34**	07.04.09	00.05	08.04.09	22.02	To attend leakage
		10.04.09	02.02	10.04.09	02.40	Class A relay group-2 operated
		30.04.09	11.58	30.04.09	12.28	Class 'B' trip relay operated& 40G
		06.05.09	09.05	06.05.09	21.06	To install ABT -complaint meters.
		13.05.09	11.20	13.05.09	11.40	Tripped while change over of Auxiliary supply from 7.5 MVA to 20 MVA.
		29.05.09	19.24	29.05.09	20.20	Tripped due to following relay i) Generator class-A group-II 86GA-2.
		29.05.09	20.31	29.05.09	21.55	
		31.05.09	07.37	31.05.09	09.55	Due to tripping of 100 MVA Tx-II.
		02.06.09	17.09	02.06.09	19.05	Due to tripping of HRSG# 4.
		15.06.09	13.30	15.06.09	17.05	Due to tripping of 100 MVA Tx.

Unit no.	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG2	34	07.07.09	05.44	07.07.09	15.28	Tripped due to tripping of GT# 3
		19.07.09	05.29	19.07.09	12.08	Due to blast in the breaker of 5 MVA in switch gear room.
		21.07.09	08.38	21.07.09	09.18	Tripped due to tripping of 800 KVA transformer on instantaneous O/C
		23.07.09	12.27	23.07.09	13.13	Tripped without any abnormality of system.
		27.07.09	20.50	28.07.09	00.28	Tripped due to tripping of GT# 3 which is tripped on loss of flame.
		28.07.09	18.05	28.07.09	18.20	Due to tripping of 7.5 MVA Tx.
		31.07.09	13.32	31.07.09	19.15	To attend the condensate water transfer problem from hot well to dearater.
		15.08.09	21.25	15.08.09	22.28	Drum level very high.
		16.08.09	13.32	16.08.09	14.15	Due to tripping of BFP-2B.
		21.08.09	16.39	21.08.09	17.52	Due to tripping of GT#4.
		26.08.09	14.10	27.08.09	23.59	Shortage of DM water
		13.09.09	09.50	13.09.08	17.55	Tripped due to Grid failure.
		17.09.09	10.54	17.09.09	13.50	Tripped due to Grid failure.
		20.09.09	09.55	22.09.09	11.05	Swapping of gas to PPCL.
		21.10.09	10.02	23.10.09	14.29	Parameter of HRSG-4 disappeared while resetting these, Boiler-4 tripped consequently STG tripped
		30.10.09	15.10	30.10.09	21.25	Tripped due to Grid Failure
STG3	34	05.05.09	16.15	05.05.09	16.50	To install ABT -complaint meters.
		09.05.09	09.02	09.05.09	21.25	To attend leakages
		10.05.09	15.35	10.05.09	19.15	Due to tripping of GT No. 6.
		11.05.09	17.42	11.05.09	18.35	Tripped due to disappearance of hot well level parameters.
		13.05.09	11.20	13.05.09	12.40	Tripped while change over of Auxiliary supply from 7.5 MVA to 20 MVA.
		31.05.09	08.35	31.05.09	10.29	Due to failure of 800 KVA Tx
		12.06.09	15.15	12.06.09	18.20	Tripped due to 160 MVA Tx at both end
		15.06.09	13.30	15.06.09	16.12	Due to tripping of 100 MVA Tx.
		19.07.09	05.29	19.07.09	08.28	Due to blast in the breaker of 5 MVA in switch gear room..
		21.07.09	08.38	21.07.09	09.35	Tripped due to tripping of 800 KVA transformer on instantaneous O/C
		23.07.09	14.02	23.07.09	21.50	Generator class -A relay operated.
		28.07.09	18.05	28.07.09	18.35	Due to tripping of 7.5 MVA Tx.
		28.08.09	03.10	11.09.09	02.02	Axial Shift Problem
		12.09.09	06.16	19.09.09	14.13	Channel-*I & II operated
		25.10.09	13.05	26.10.09	13.25	Control oil header pressure low
		25.10.09	23.31	26.10.09	15.10	Low vacuum
		27.10.09	17.37	27.10.09	18.40	Low vacuum
		30.10.09	15.10	31.10.09	14.40	Tripped due to Grid Failure

(D) PRAGATI STATION

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
1	104	Date	Time	Date	Time	
		18.04.09	15.42	18.04.09	16.26	Tripped due to jerk
		27.04.09	10.48	28.04.09	13.25	Hydraulic Pressure Low
		19.05.09	20.55	19.05.09	22.17	Tripped due to tripping of associated transmission lines

Unit no.	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	**104**	25.05.09	21.29	25.05.09	22.56	Tripped due to tripping of associated transmission lines
		05.06.09	02.48	05.06.09	10.07	
		03.07.09	07.28	03.07.09	12.27	
		04.07.09	11.42	04.07.09	12.01	
		06.07.09	14.10	06.07.09	14.28	
		14.07.09	09.42	14.07.09	10.18	
		05.08.09	16.15	05.08.09	17.37	
		10.08.09	19.09	10.08.09	19.25	
		12.08.09	15.15	12.08.09	16.31	
		20.08.09	21.16	22.08.09	11.02	Internal Fault
		22.08.09	18.17	22.08.09	20.10	Internal Fault
		27.08.09	18.22	27.08.09	18.26	Tripped due to tripping of associated transmission lines
		06.09.09	17.00	06.09.09	17.14	
		13.09.09	09.52	13.09.09		
		17.09.09	10.57	17.09.09	11.50	
		22.09.09	10.45	22.09.09	14.56	Internal Fault
		03.10.09	23.45	04.10.09	01.29	Tripped due to tripping of associated transmission lines
		11.10.09	12.09			Internal Fault
		23.10.09	00.00	30.10.09	18.35	Maintenance Work
		31.10.09	12.22	31.10.09	13.50	Tripped due to tripping of associated transmission lines
2	**104**	19.04.09	10.29	19.04.09	11.27	Tripped due to tripping of associated transmission lines
		19.05.09	20.55	19.05.09	22.07	
		22.05.09	14.39	22.05.09	14.28	
		22.05.09	15.36	22.05.09	15.51	
		01.06.09	09.26	01.06.09	09.52	
		04.06.09	00.00	05.06.09	05.26	Shut-down
		05.06.09	15.06	05.06.09	17.21	Tripped due to tripping of associated transmission lines
		15.06.09	13.35	15.06.09	14.20	
		15.07.09	00.30	17.08.09	19.50	Shut-down.
		17.08.09	23.54	18.08.09	04.00	Tripped due to tripping of associated transmission lines
		21.08.09	14.42	21.08.09	15.27	
		27.08.09	17.53	27.08.09	19.18	
		01.09.09	05.05	01.09.09	05.52	
		02.09.09	10.17	02.09.09	11.41	
		08.09.09	12.05	08.09.09	13.25	Internal fault
		13.09.09	09.52	13.09.09	11.26	Tripped due to tripping of associated transmission lines
		13.09.09	18.30	13.09.09	19.52	Internal fault
		17.09.09	10.57	17.09.09	12.34	Tripped due to tripping of associated transmission lines
		18.09.09	02.47	18.09.09	04.20	
		19.09.09	10.22	19.09.09	11.26	
		28.09.09	07.39	28.09.09	08.30	
		02.10.09	10.29	02.10.09	12.21	
		11.10.09	12.07	11.10.09	13.38	Internal Fault
		30.10.09	15.12	30.10.09	15.47	Transient Fault

Unit no.	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG	**122**	07.04.09	06.34	07.04.09	07.45	Tripped due to tripping of associated transmission lines
		19.04.09	10.29	19.04.09	12.41	
		26.04.09	07.11	28.04.09	13.25	
		16.05.09	18.44	16.05.09	20.24	
		19.05.09	20.55	19.05.09	23.20	
		22.05.09	14.39	22.05.09	15.39	
		01.06.09	09.26	01.06.09	10.41	
		04.06.09	11.25	04.06.09	15.32	Oil leakage from ESU
		05.06.09	15.06	05.06.09	16.40	Tripped due to tripping of associated transmission lines
		15.06.09	13.35	15.06.09	15.20	
		14.07.09	09.42	14.07.09	10.42	
		15.07.09	11.56	15.07.09	12.50	Problem in Boiler feed pump
		10.08.09	19.10	10.08.09	20.14	Tripped due to tripping of associated transmission lines
		12.08.09	15.15	12.08.09	17.20	
		18.08.09	00.15	18.08.09	01.55	Internal Fault
		21.08.09	14.43	21.08.09	16.17	Tripped due to tripping of associated transmission lines
		27.08.09	17.53	27.08.09	20.20	
		11.10.09	12.07	11.10.09	15.06	Internal Fault
		30.10.09	15.12	30.10.09	16.55	Internal Fault

(E) BADARPUR THERMAL POWER STATION

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	95	30.07.09	06.45	14.09.09	17.00	Planned shut-down for major overhauling
		22.09.09	21.14	23.09.09	04.08	Vacuum problem
		23.09.09	04.15	23.09.09	07.02	Vacuum problem
		26.09.09	17.18	27.09.09	10.40	Drum main hole leakage
2	95	10.05.09	13.12	10.05.09	15.15	Bus differential operated
		16.07.09	17.42	18.07.09	05.25	Boiler Tube Leakage
		29.07.09	17.56	30.07.09	22.30	Furnace Failure
		11.08.09	21.29	11.08.09	22.50	Furnace problem
		30.08.09	14.50	31.08.09	11.00	DC Control failure
3	95	12.04.09	05.34	12.04.09	19.43	Electrical problem
		13.04.09	17.22	13.04.09	20.45	Electrical problem
		25.04.09	22.43	27.04.09	22.47	Planned Shut-down
		26.05.09	20.54	27.05.09	17.45	Boiler Tube Leakage
		01.09.09	08.40	02.09.09	15.37	Boiler Tube Leakage
		22.10.09	21.48	28.12.09	05.16	Annual maintenance
4	210	01.04.09	12.18	17.04.09	23.59	Planned Shut-Down for over-hauling
		18.04.09	12.35	18.04.09	15.48	Tripped along with tripping of 220kV BTPS – Noida Ckt.
		18.05.09	13.12	10.05.09	22.13	Bus differential operated
		10.06.09	16.44	11.06.09	16.58	Boiler Tube Leakage
		19.06.09	09.52	20.06.09	09.23	Boiler Tube Leakage
		11.10.09	20.18	13.10.09	13.09.09	Boiler Tube Leakage
		24.10.09	10.03	25.10.09	05.51	Boiler Tube Leakage
5	210	07.08.09	17.43	07.08.09	19.40	Furnace Protection.

4 ALLOCATION OF POWER TO DELHI

A) Allocation from Central Sector Generating Stations to Delhi w.e.f. 30.08.09 to 14.11.09

i) TIME BLOCK - 00.00hrs & 12.00hrs. and 23.00-24.00hrs @ 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
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	**7802**	**1005**	**1439**	**1263**	**0**	**0**	**1263**
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) Unit-3 APS	220	33	0	0	0	0	0
RAPP(B) Unit-4 APS	220	33	0	0	0	0	0
TOTAL	**880**	**130**	**47**	**41**	**0**	**0**	**41**
SVJNL							
Nathpa Jhakri HEP	1500	149	142	123	0	0	123
THDC							
Tehri Hydro	1000	99	103	89	0	0	89
Total	**14136**	**1537**	**2066**	**1835**	**0**	**0**	**1835**
Allocation from ER and Tala HEP							
Farakka	1600	0	30	25	0	0	25
Kahalgaon	840	0	63	53	0	0	53
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	1000	0	108	90	0	0	90
Total ER	**5710**	**153**	**260**	**217**	**0**	**0**	**217**
Grand Total	**19846**	**1690**	**2326**	**2052**	**0**	**0**	**2052**

ii) Time Block 12.00hrs. to 19hrs. @ 18.18%

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	55	47	178
Rihand	1000	150	100	87	27	24	110
Rihand Stage -II	1000	150	126	109	27	24	133
ANTA GPS	419	63	44	41	11	11	52
Auriya GPS	663.36	99	72	67	13	12	79
Dadri GPS	829.78	129	91	85	11	10	95
Dadri NCTPS (Th)	840	0	756	657	0	0	657
Unchahaar-I TPS	420	20	24	21	4	3	24
Unchahaar-II TPS	420	63	47	41	11	10	51
Unchahaar-III TPS	210	31	29	25	6	5	30
TOTAL	**7802**	**1005**	**1439**	**1263**	**164**	**145**	**1408**
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	10	9	47
URI HEP	480	0	53	50	0	0	50
Dhauli Ganga HEP	280	42	37	35	8	7	42
Dulhasti HEP	390	58	50	48	11	10	58
TOTAL	**2954**	**154**	**335**	**318**	**28**	**27**	**345**
NPC							
Narora APS	440	64	47	41	12	10	51
RAPP(B) Unit-3 APS	220	33	0	0	0	0	0
RAPP(B) Unit-4 APS	220	33	0	0	0	0	0
TOTAL	**880**	**130**	**47**	**41**	**12**	**10**	**51**
SVJNL							
Nathpa Jhakri HEP	1500	149	142	123	27	26	149
THDC							
Tehri Hydro	1000	99	103	89	18	17	107
Total	**14136**	**1537**	**2066**	**1835**	**249**	**224**	**2059**
Allocation from ER and Tala HEP							
Farakka	1600	0	30	25	0	0	25
Kahalgaon	840	0	63	53	0	0	53
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	1000	0	108	90	11	9	99
Total ER	**5710**	**153**	**260**	**217**	**11**	**9**	**226**
Grand Total	**19846**	**1690**	**2326**	**2052**	**260**	**233**	**2285**

iii) Time Block 19.00hrs. to 23.00hrs. @ 20.18%

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	61	53	183
Rihand	1000	150	100	87	30	26	113
Rihand Stage -II	1000	150	126	109	30	26	136
ANTA GPS	419	63	44	41	13	12	53
Auriya GPS	663.36	99	72	67	14	13	80
Dadri GPS	829.78	129	91	85	12	11	96
Dadri NCTPS (Th)	840	0	756	657	0	0	657
Unchahaar-I TPS	420	20	24	21	4	4	24
Unchahaar-II TPS	420	63	47	41	13	11	52
Unchahaar-III TPS	210	31	29	25	6	5	31
TOTAL	**7802**	**1005**	**1439**	**1263**	**182**	**161**	**1424**
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	11	10	48
URI HEP	480	0	53	50	0	0	50
Dhauli Ganga HEP	280	42	37	35	8	8	43
Dulhasti HEP	390	58	50	48	12	11	59
TOTAL	**2954**	**154**	**335**	**318**	**31**	**30**	**348**
NPC							
Narora APS	440	64	47	41	13	11	52
RAPP(B) Unit-3 APS	220	33	0	0	7	6	6
RAPP(B) Unit-4 APS	220	33	0	0	7	6	6
TOTAL	**880**	**130**	**47**	**41**	**27**	**23**	**64**
SVJNL							
Nathpa Jhakri HEP	1500	149	142	123	30	29	152
THDC							
Tehri Hydro	1000	99	103	89	20	19	108
Total	**14136**	**1537**	**2066**	**1835**	**291**	**261**	**2096**
Allocation from ER and Tala HEP							
Farakka	1600	0	30	25	0	0	25
Kahalgaon	840	0	63	53	0	0	53
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	1000	0	108	90	12	10	100
Total ER	**5710**	**153**	**260**	**217**	**12**	**10**	**227**
Grand Total	**19846**	**1690**	**2326**	**2052**	**302**	**271**	**2323**

5 ALLOCATION OF POWER TO VARIOUS LISCENCEES AS PER ORDER OF DERC AND DECISION OF GNCTD FOR ALLOCATION OF CENTRAL SECTOR STATIONS (EXCEPT DADRI THERMAL AND BTPS) AND STATE SECTOR GENERATING STATIONS w.e.f. 01.07.2009.

(Allocation In %)

i) Allocation during the period 00.00 - 10.00hrs. and 17.00 - 24.00hrs.

SOURCES	LICENSEES					
	NDMC	MES	NDPL	BRPL	BYPL	TOTAL
1. Central Sector without Dadri (Th)	00.00	00.00	29.18	43.58	27.24	100.00
2. Dadri (Th)	14.05	00.00	23.89	36.36	27.70	100.00
3. BTPS	15.07	7.09	21.61	32.90	23.33	100.00
4. IP	00.00	00.00	28.02	42.51	29.47	100.00
5. RPH	00.00	00.00	27.99	42.48	29.53	100.00
6. GT	00.00	00.00	27.99	42.48	29.53	100.00
7. Pragati	25.76	00.00	20.47	31.26	22.51	100.00

ii) Allocation during the period 10.00 - 17.00hrs.

SOURCES	LICENSEES					
	NDMC	MES	NDPL	BRPL	BYPL	TOTAL
1. Central Sector without Dadri (Th)	00.00	00.00	29.18	43.58	27.24	100.00
2. Dadri (Th)	14.91	00.00	23.89	35.50	25.70	100.00
3. BTPS	15.87	7.09	21.61	32.10	23.33	100.00
4. IP	00.83	00.00	28.02	41.68	29.47	100.00
5. RPH	00.86	00.00	27.99	41.62	29.53	100.00
6. GT	00.86	00.00	27.99	41.62	29.53	100.00
7. Pragati	26.61	00.00	20.47	30.41	22.51	100.00

6 POWER AVAILABILITY-DEMAND POSITION AT THE TIME OF PEAK DEMAND MET DURING OCTOBER 2009

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	18:56:36	88	53	203	292	603	1239	2718	2465	-253	3957	8	3965
2	00:00:33	89	53	203	292	598	1235	2452	2104	-348	3687	0	3687
3	19:02:30	62	47	203	294	607	1213	2372	2358	-14	3585	65	3650
4	00:00:26	62	47	203	144	592	1048	2261	2071	-190	3309	87	3396
5	18:48:32	51	46	178	292	562	1129	2252	2276	24	3381	0	3381
6	18:52:15	48	48	165	298	586	1145	2311	2122	-189	3456	2	3458
7	18:36:13	25	43	162	300	501	1031	2406	2227	-179	3437	0	3437
8	18:49:24	0	48	193	298	586	1125	2392	2441	49	3517	0	3517
9	18:57:41	18	47	187	297	579	1128	2390	2311	-79	3518	0	3518
10	18:41:15	0	0	184	296	610	1090	2220	1979	-241	3310	26	3336
11	18:57:57	39	46	217	301	599	1202	1943	2162	219	3145	0	3145
12	18:48:28	54	47	216	302	408	1027	2387	2297	-90	3414	7	3421
13	18:58:01	54	48	210	300	546	1158	2203	2098	-105	3361	0	3361
14	19:00:18	47	48	185	299	592	1171	2186	2292	106	3357	43	3400
15	18:47:37	41	47	211	301	595	1195	2228	2329	101	3423	31	3454
16	18:50:08	73	46	151	304	603	1177	2131	2355	224	3308	0	3308
17	19:01:02	86	46	198	292	601	1223	1772	2179	407	2995	0	2995
18	20:01:17	75	46	217	303	554	1195	1531	2057	526	2726	41	2767
19	18:57:31	42	48	210	303	595	1198	1741	1981	240	2939	0	2939
20	18:50:50	41	48	218	305	583	1195	1888	1825	-63	3083	0	3083
21	18:48:43	52	47	205	302	593	1199	1828	1852	24	3027	19	3046
22	18:48:40	39	47	201	302	593	1182	1907	2057	150	3089	0	3089
23	18:34:08	61	48	223	146	521	999	2036	1905	-131	3035	0	3035
24	18:46:21	65	47	221	142	293	768	2007	2056	49	2775	0	2775
25	18:46:37	43	41	211	138	524	957	1649	1887	238	2606	0	2606
26	18:28:23	22	47	213	145	469	896	1945	1973	28	2841	19	2860
27	19:01:22	66	47	181	149	532	975	2004	1962	-42	2979	11	2990
28	18:30:58	63	46	211	148	538	1006	1913	2104	191	2919	0	2919
29	18:30:13	31	45	185	146	538	945	1979	2078	99	2924	0	2924
30	18:32:39	46	47	186	149	568	996	2028	2130	102	3024	0	3024
31	18:39:21	45	48	213	149	514	969	1831	2179	348	2800	0	2800

7 POWER AVAILABILITY- DEMAND POSITION AT THE TIME OF MAXIMUM UNRESTRICTED DEMAND DURING OCTOBER 2009

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	19:00:00	88	52	204	293	594	1231	2704	2658	-46	3935	45	3980
2	00:00:33	89	53	203	292	598	1235	2452	2104	-348	3687	0	3687
3	20:00:00	63	46	201	297	597	1204	2350	2389	39	3554	101	3655
4	00:00:26	62	47	203	144	592	1048	2261	2071	-190	3309	87	3396
5	19:00:00	54	46	178	292	556	1126	2218	2335	117	3344	48	3392
6	18:52:15	48	48	165	298	586	1145	2311	2122	-189	3456	2	3458
7	19:00:00	24	45	174	299	503	1045	2344	2310	-34	3389	55	3444
8	19:00:00	0	47	184	298	588	1117	2390	2531	141	3507	51	3558
9	19:00:00	18	47	161	298	580	1104	2378	2505	127	3482	51	3533
10	19:00:00	0	0	181	293	613	1087	2183	2170	-13	3270	72	3342
11	19:00:00	39	46	218	301	602	1206	1898	2240	342	3104	51	3155
12	18:48:28	54	47	216	302	408	1027	2387	2297	-90	3414	7	3421
13	19:00:00	53	48	211	301	552	1165	2155	2124	-31	3320	42	3362
14	19:00:18	47	48	185	299	592	1171	2186	2292	106	3357	43	3400
15	18:47:37	41	47	211	301	595	1195	2228	2329	101	3423	31	3454
16	18:50:08	73	46	151	304	603	1177	2131	2355	224	3308	0	3308
17	19:01:02	86	46	198	292	601	1223	1772	2179	407	2995	0	2995
18	20:01:17	75	46	217	303	554	1195	1531	2057	526	2726	41	2767
19	19:00:00	40	48	212	303	591	1194	1717	1981	264	2911	50	2961
20	19:00:00	56	48	214	305	590	1213	1883	1825	-58	3096	49	3145
21	19:00:00	52	47	206	302	593	1200	1815	2152	337	3015	47	3062
22	18:48:40	39	47	201	302	593	1182	1907	2057	150	3089	0	3089
23	18:34:08	61	48	223	146	521	999	2036	1905	-131	3035	0	3035
24	18:46:21	65	47	221	142	293	768	2007	2056	49	2775	0	2775
25	19:00:00	44	49	225	146	521	985	1616	1977	361	2601	34	2635
26	18:28:23	22	47	213	145	469	896	1945	1973	28	2841	19	2860
27	19:01:22	66	47	181	149	532	975	2004	1962	-42	2979	11	2990
28	18:30:58	63	46	211	148	538	1006	1913	2104	191	2919	0	2919
29	18:30:13	31	45	185	146	538	945	1979	2078	99	2924	0	2924
30	18:32:39	46	47	186	149	568	996	2028	2130	102	3024	0	3024
31	18:39:21	45	48	213	149	514	969	1831	2179	348	2800	0	2800

8 SOURCEWISE SCHEDULED DRAWL FROM NORTHERN GRID AS WELL AS AVAILABILITY WITHIN DELHI FOR OCTOBER 2009

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

(I) IP	38.474
(II) 1/3rd HARYANA SHARE	10.103
JHAJJAR SHARE	0.403
(III)NET IP GENERATION	**27.968**
(IV) RPH	37.409
(V) GT+WHRU	145.491
(VI) PRAGATI	197.428
TOTAL (iii+iv+v+vi)	**408.296**
B) AVAILABILITY FROM BTPS	421.789
C) AUXILIARY CONSUMPTION OF GENERATING STNs. EXCLUDING BTPS	22.696
D) NET GENERATION AVAILABLE WITHIN DELHI(A+B-C)	**807.389**

B) SOURCE WISE SCHEDULED DRAWL FROM THE NORTHERN GRID

NAME OF THE STATION	AVAILABILITY AT POWER PLANT	AVAILABILITY AT DELHI PERIPHERY	ALLOCATION MADE BY NRLDC AT POWER PLANT	ALLOCATION MADE BY NRLDC AT DELHI PERIPHERY
BAIRA-SUIL	3.004	2.867	3.004	2.867
SALAL	20.700	19.752	20.700	19.752
TANAKPUR	6.562	6.267	6.562	6.267
CHAMERA	7.524	7.181	7.524	7.181
CHAMERA-II	11.820	11.281	11.820	11.281
DHAULI GANGA	18.654	17.793	18.654	17.793
SINGRAULI	100.872	96.278	100.653	96.069
URI	10.391	9.916	10.391	9.916
ANTA (GAS)	12.674	12.102	12.632	12.061
ANTA (LIQUID)	4.557	4.348	1.037	0.990
ANTA (RLNG)	8.254	7.877	2.181	2.084
RIHAND-I	79.609	75.998	79.172	75.580
RIHAND-II	61.136	58.393	60.868	58.137
AURAIYA (GAS)	37.272	35.582	37.027	35.348
AURAIYA (LIQUID)	15.266	14.575	2.809	2.682
AURAIYA (RLNG)	0.000	0.000	0.000	0.000
DADRI(GT) (GAS)	39.560	37.769	39.344	37.563
DADRI(GT) (LIQUID)	24.745	23.613	5.022	4.795
UNCHAHAR-I	14.182	13.529	13.626	12.998
UNCHAHAR-III	22.737	21.707	21.777	20.790
DADRI(TH)	429.829	410.334	420.144	401.095
UNCHAHAR-II	37.153	35.469	35.589	33.976
NAPP	8.289	7.911	8.283	7.906
RAPP-B#4	0.530	0.506	0.526	0.502
RAPP-B#3	0.442	0.422	0.442	0.422
RAJASHTAN	5.209	4.980	4.980	4.754
GUJRAT (WR)	3.146	2.979	2.857	2.720
MEGHALAYA	5.954	5.761	5.404	5.159
TO ANDHRA PRADESH	-1.339	-1.383	-1.383	-1.447

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
WEST BENGAL	0.438	0.424	0.424	0.406
HIMACHAL PRADESH	10.392	9.902	10.392	9.902
DVC (ER)	33.890	32.749	32.748	31.221
DVC (TATA STEEL)	16.990	16.408	16.089	15.323
CHATTISHGARH	41.750	39.401	37.430	35.729
CHATTISHGARH	184.365	173.964	173.957	166.067
UTTRANCHAL	13.500	12.861	13.500	12.861
MADHYA PRADESH	0.158	0.150	0.150	0.143
MAHARASHTA (WR)	23.596	22.265	21.185	20.224
MAHARASHTA (ER)	0.050	0.048	0.043	0.041
TO PUNJAB	-1.165	-1.216	-1.165	-1.216
ORISSA	0.035	0.034	0.034	0.033
PUNJAB	8.381	7.499	7.499	7.149
GUJRAT (ER)	0.598	0.577	0.524	0.499
TO HARYANA	-23.746	-24.869	-23.746	-24.869
TO UTTAR PRADESH	-4.810	-5.024	-4.810	-5.024
TRIPURA	14.880	14.397	13.944	13.312
UTTAR PRADESH	31.172	28.271	28.271	26.989
TO TAMILNAIDU	-2.747	-2.839	-2.839	-2.969
TO MADHYA PRADESH	-13.048	-13.880	-13.880	-14.496
CHATTISHGARH	0.125	0.120	0.113	0.108
TO POWER EXCHANGE (IEX)	-42.833	-44.886	-42.833	-44.886
POWER EXCHANGE (IEX)	8.614	8.243	8.614	8.243
TO POWER EXCHANGE - PX	-0.355	-0.373	-0.355	-0.373
POWER EXCHANGE – PX	1.131	1.083	1.131	1.083
NATHPA JHAKHRI	54.696	52.204	54.696	52.204
DULASTI	29.441	28.093	29.441	28.093
TEHRI	18.966	18.104	18.966	18.104
KHELGAON –II	28.334	27.416	27.368	26.128
TALA	15.172	14.670	14.670	13.998
FRAKKA	10.394	10.057	9.999	9.546
KHELGAON	27.136	26.252	26.086	24.900
KARNATAKA	8.736	8.441	7.812	7.449
TOTAL SCHEDULE FROM THE GRID	1482.967	1404.352	1397.101	1325.162

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	887.846	847.572	831.882	794.168
NTPC –ER	65.863	63.725	63.452	60.575
NHPC	108.095	103.150	108.095	103.150
NPC	9.260	8.839	9.251	8.829
RAJASHTAN	5.209	4.980	4.980	4.754
GUJRAT (WR)	3.146	2.979	2.857	2.720
GUJRAT (ER)	0.598	0.577	0.524	0.499
MEGHALAYA	5.954	5.761	5.404	5.159

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
WEST BENGAL	0.438	0.424	0.424	0.406
HIMACHAL PRADESH	10.392	9.902	10.392	9.902
DVC (ER)	33.890	32.749	32.748	31.221
DVC (TATA STEEL)	16.990	16.408	16.089	15.323
CHHATISHGARH	41.750	39.401	37.430	35.729
CHHATISHGARH	184.365	173.964	173.957	166.067
CHHATISHGARH	0.125	0.120	0.113	0.108
UTTRANCHAL	13.500	12.861	13.500	12.861
MADHYA PRADESH	0.158	0.150	0.150	0.143
MAHARASHTRA (WR)	23.596	22.265	21.185	20.224
MAHARASHTRA (ER)	0.050	0.048	0.043	0.041
ORISSA	0.035	0.034	0.034	0.033
PUNJAB	8.381	7.499	7.499	7.149
TRIPURA	14.880	14.397	13.944	13.312
UTTAR PRADESH	31.172	28.271	28.271	26.989
POWER EXCHANGE (IEX)	8.614	8.243	8.614	8.243
NATHPA JHAKHRI	54.696	52.204	54.696	52.204
TEHRI	18.966	18.104	18.966	18.104
TALA	15.172	14.670	14.670	13.998
KARNATAKA	8.736	8.441	7.812	7.449
POWER EXCHANGE – PX	1.131	1.083	1.131	1.083
TOTAL SCHEDULE FROM THE GRID	**1573.009**	**1498.822**	**1488.112**	**1420.442**

D) AGENCY WISE BREAKUP OF ENERGY SCHEDULED BY NRLDC FOR EXPORT TO OTHER UTILITIES FROM DTL

NAME OF THE STATION	AVAILABILITY AT POWER PLANT	AVAILABILITY AT PERIPHERY	ALLOCATION MADE BY NRLDC AT POWER PLANT	ALLOCATION MADE BY NRLDC AT POWER PERIPHERY
TO ANDHRA PRADESH	-1.339	-1.383	-1.383	-1.447
TO TAMILNAIDU	-2.747	-2.839	-2.839	-2.969
TO POWER EXCHANGE - PX	-0.355	-0.373	-0.355	-0.373
TO HARYANA	-23.746	-24.869	-23.746	-24.869
TO PUNJAB	-1.165	-1.216	-1.165	-1.216
TO UTTAR PRADESH	-4.810	-5.024	-4.810	-5.024
TO MADHYA PRADESH	-13.048	-13.880	-13.880	-14.496
TO POWER EXCHANGE (IEX)	-42.833	-44.886	-42.833	-44.886
TOTAL	**-90.042**	**-94.470**	**-91.011**	**-95.280**
(G) TOTAL SCHEDULED DRAWL FROM THE GRID (G=Fa+Fb+Fc)	**1482.967**	**1404.352**	**1397.101**	**1325.162**

TOTAL CONSUMPTION INCLUDING AUX. OF GENERATING STNs. EXCLUDING BTPS		**1879.431**
NET CONSUMPTION		**1856.735**
AVAILABILITY WITHIN DELHI		**807.389**
ACTUAL DRAWAL FROM THE GRID		**1049.346**
OVER DRAWAL(+)/UNDER DRAWAL(-) FROM THE GRID ON THE BASIS OF SCHEDULED ALLOCATION MADE BY NRLDC TO DELHI AT PERIPHERY		**-275.816**
LOAD SHEDDING		**7.233**
UNRESTRICTED DEMAND (GROSS)		**1886.664**
UNRESTRICTED DEMAND (NET)		**1863.968**
MAX. NET CONSUMPTION		80.937 Mus. ON 01.10.2009
MAX. LOAD SHEDDING		236 MW ON 30.10.2009 AT 15.15HRS.
PEAK LOAD	Peak Demand during the month	SHEDDING AT PEAK TIME
DAY PEAK	3909MW AT 14.52.03HRS ON 01.10.2009	04MW
EVENING PEAK	3957MW AT 18.56.36HRS ON 01.10.2009	08MW
P.L.F. OF GENCO AND PRAGATI STNs.	IP	20.89%
	RPH	37.25%
	GT	72.43%
	PRAGATI	80.41%

9 SHEDDING DETAILS DURING THE MONTH OF OCTOBER 2009.

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
01-Oct-09	9	0.008	0.088	0.013	0.000	**0.109**	0.000	0.000	0.000	0.000
02-Oct-09	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
03-Oct-09	6	0.000	0.043	0.022	0.000	**0.065**	0.000	0.000	0.000	0.000
04-Oct-09	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
05-Oct-09	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
06-Oct-09	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
07-Oct-09	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
08-Oct-09	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
09-Oct-09	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
10-Oct-09	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
11-Oct-09	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
12-Oct-09	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
13-Oct-09	3	0.002	0.011	0.000	0.000	**0.013**	0.000	0.000	0.000	0.000
14-Oct-09	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
15-Oct-09	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
16-Oct-09	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
17-Oct-09	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
18-Oct-09	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
19-Oct-09	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
20-Oct-09	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
21-Oct-09	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
22-Oct-09	2	0.006	0.005	0.000	0.000	**0.011**	0.000	0.000	0.000	0.000
23-Oct-09	1	0.000	0.001	0.000	0.000	**0.001**	0.000	0.000	0.000	0.000
24-Oct-09	1	0.007	0.000	0.000	0.000	**0.007**	0.000	0.000	0.000	0.000
25-Oct-09	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
26-Oct-09	6	0.050	0.012	0.004	0.000	**0.066**	0.000	0.000	0.000	0.000
27-Oct-09	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
28-Oct-09	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
29-Oct-09	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
30-Oct-09	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
31-Oct-09	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
TOTAL	**28**	**0.073**	**0.160**	**0.039**	**0.000**	**0.272**	**0.000**	**0.000**	**0.000**	**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
01-Oct-09	0.000	0.000	0.000	0.000	**0.000**	**0.109**	0.022	0.052	0.048	0.000	0.000
02-Oct-09	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.029	0.008	0.011	0.000	0.000
03-Oct-09	0.000	0.000	0.000	0.000	**0.000**	**0.065**	0.027	0.021	0.000	0.000	0.000
04-Oct-09	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.064	0.085	0.008	0.000	0.000
05-Oct-09	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.024	0.043	0.000	0.000
06-Oct-09	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
07-Oct-09	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
08-Oct-09	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
09-Oct-09	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
10-Oct-09	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
11-Oct-09	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
12-Oct-09	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
13-Oct-09	0.000	0.000	0.000	0.000	**0.000**	**0.013**	0.000	0.000	0.005	0.000	0.000
14-Oct-09	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.005	0.000	0.000	0.000
15-Oct-09	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
16-Oct-09	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.006	0.000	0.000	0.000
17-Oct-09	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.003	0.000	0.000
18-Oct-09	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
19-Oct-09	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
20-Oct-09	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
21-Oct-09	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
22-Oct-09	0.000	0.000	0.000	0.000	**0.000**	**0.011**	0.000	0.000	0.000	0.000	0.000
23-Oct-09	0.000	0.000	0.000	0.000	**0.000**	**0.001**	0.000	0.000	0.000	0.000	0.000
24-Oct-09	0.000	0.000	0.000	0.000	**0.000**	**0.007**	0.000	0.000	0.000	0.000	0.000
25-Oct-09	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.030	0.000	0.000	0.000	0.000
26-Oct-09	0.000	0.000	0.000	0.000	**0.000**	**0.066**	0.001	0.000	0.000	0.000	0.000
27-Oct-09	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
28-Oct-09	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
29-Oct-09	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.004	0.000	0.000
30-Oct-09	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.041	0.006	0.000	0.015	0.000
31-Oct-09	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
TOTAL	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.272**	**0.214**	**0.207**	**0.122**	**0.015**	**0.000**

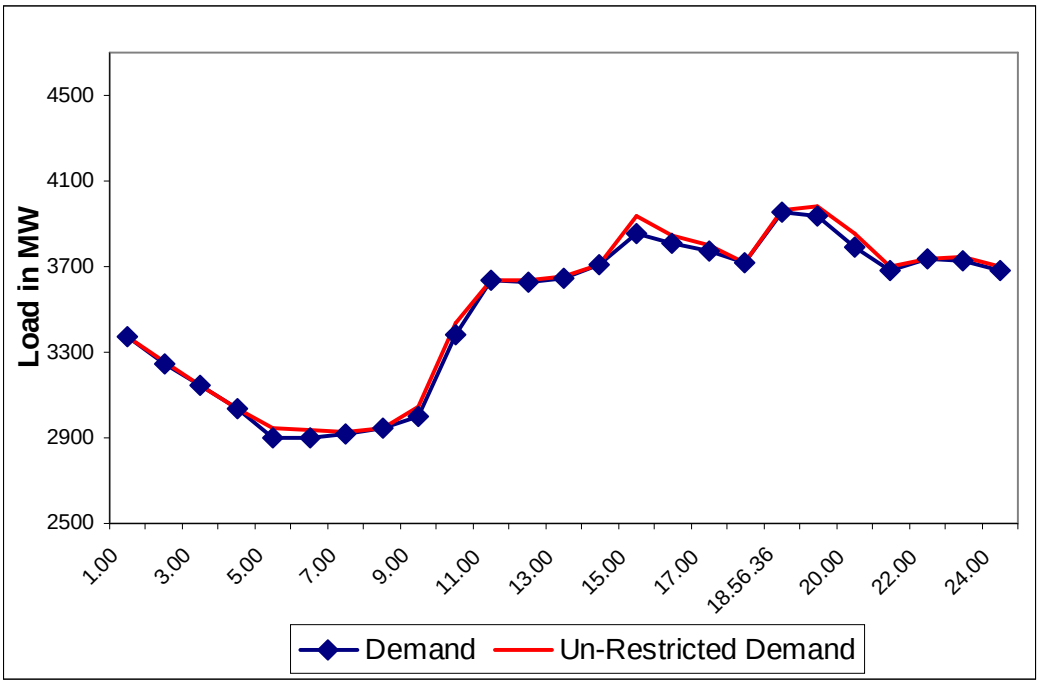
DATE	DUE TO T&D CONTRAINTS			OTHER AGENCIES LIKE GENCO, BBMB, BTPS ETC.	THEFT PRONE SHEDDING			TOTAL SHEDDING DUE TO T&D CONSTS. & THEFT PRONE	GRAND TOTAL
	DISCOMS								
	BSES		NDPL		BSES		NDPL		
	BYPL	BRPL			BYPL	BRPL			
1	23	24	25	2+	27	28	29	30=18 to29	31=30+17
01-Oct-09	0.000	0.009	0.045	0.038	0.000	0.000	0.188	**0.402**	**0.511**
02-Oct-09	0.022	0.000	0.004	0.000	0.000	0.000	0.131	**0.205**	**0.205**
03-Oct-09	0.000	0.019	0.065	0.087	0.000	0.000	0.195	**0.414**	**0.479**
04-Oct-09	0.000	0.114	0.008	0.000	0.000	0.000	0.180	**0.459**	**0.459**
05-Oct-09	0.000	0.000	0.005	0.000	0.000	0.000	0.177	**0.249**	**0.249**
06-Oct-09	0.000	0.005	0.037	0.000	0.000	0.000	0.174	**0.216**	**0.216**
07-Oct-09	0.007	0.000	0.026	0.000	0.000	0.000	0.185	**0.218**	**0.218**
08-Oct-09	0.000	0.000	0.000	0.006	0.000	0.000	0.185	**0.191**	**0.191**
09-Oct-09	0.000	0.040	0.011	0.082	0.000	0.023	0.189	**0.345**	**0.345**
10-Oct-09	0.031	0.013	0.041	0.000	0.026	0.033	0.191	**0.335**	**0.335**
11-Oct-09	0.000	0.001	0.000	0.000	0.050	0.053	0.185	**0.289**	**0.289**
12-Oct-09	0.025	0.082	0.007	0.000	0.050	0.032	0.174	**0.370**	**0.370**
13-Oct-09	0.019	0.032	0.000	0.000	0.017	0.030	0.161	**0.264**	**0.277**
14-Oct-09	0.000	0.007	0.015	0.000	0.052	0.035	0.114	**0.228**	**0.228**
15-Oct-09	0.000	0.007	0.047	0.000	0.000	0.000	0.000	**0.054**	**0.054**
16-Oct-09	0.005	0.048	0.000	0.000	0.000	0.000	0.000	**0.059**	**0.059**
17-Oct-09	0.000	0.000	0.001	0.000	0.000	0.000	0.000	**0.004**	**0.004**
18-Oct-09	0.000	0.000	0.002	0.000	0.000	0.000	0.173	**0.175**	**0.175**
19-Oct-09	0.000	0.002	0.012	0.000	0.000	0.000	0.170	**0.184**	**0.184**
20-Oct-09	0.000	0.008	0.015	0.000	0.000	0.000	0.166	**0.189**	**0.189**
21-Oct-09	0.000	0.011	0.000	0.024	0.000	0.000	0.150	**0.185**	**0.185**
22-Oct-09	0.000	0.005	0.000	0.006	0.000	0.000	0.159	**0.170**	**0.181**
23-Oct-09	0.000	0.016	0.006	0.000	0.000	0.000	0.148	**0.170**	**0.171**
24-Oct-09	0.019	0.003	0.098	0.000	0.000	0.000	0.154	**0.274**	**0.281**
25-Oct-09	0.056	0.033	0.000	0.000	0.000	0.000	0.146	**0.265**	**0.265**
26-Oct-09	0.000	0.000	0.011	0.000	0.000	0.000	0.141	**0.153**	**0.219**
27-Oct-09	0.000	0.000	0.009	0.000	0.000	0.000	0.127	**0.136**	**0.136**
28-Oct-09	0.000	0.000	0.029	0.000	0.000	0.000	0.145	**0.174**	**0.174**
29-Oct-09	0.000	0.012	0.000	0.000	0.000	0.000	0.144	**0.160**	**0.160**
30-Oct-09	0.000	0.009	0.001	0.000	0.000	0.000	0.138	**0.210**	**0.210**
31-Oct-09	0.023	0.057	0.001	0.000	0.000	0.000	0.133	**0.214**	**0.214**
TOTAL	**0.207**	**0.533**	**0.496**	**0.243**	**0.195**	**0.206**	**4.523**	**6.961**	**7.233**

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
01-Oct-09	80.937	3957	18:56:36	8	**3965**	**3980**	19:00	3935	45
02-Oct-09	72.082	3687	00:00:33	0	**3687**	**3687**	00:00:33	3687	0
03-Oct-09	79.805	3585	19:02:30	65	**3650**	**3655**	20:00	3554	101
04-Oct-09	70.864	3309	00:00:26	87	**3396**	**3396**	00:00:26	3309	87
05-Oct-09	70.457	3381	18:48:32	0	**3381**	**3392**	19:00	3344	48
06-Oct-09	66.751	3456	18:52:15	2	**3458**	**3458**	18:52:15	3456	2
07-Oct-09	63.801	3437	18:36:13	0	**3437**	**3444**	19:00	3389	55
08-Oct-09	64.651	3517	18:49:24	0	**3517**	**3558**	19:00	3507	51
09-Oct-09	64.874	3518	18:57:41	0	**3518**	**3533**	19:00	3482	51
10-Oct-09	62.589	3310	18:41:15	26	**3336**	**3342**	19:00	3270	72
11-Oct-09	60.590	3145	18:57:57	0	**3145**	**3155**	19:00:00	3104	51
12-Oct-09	64.692	3414	18:48:28	7	**3421**	**3421**	18:48:28	3414	7
13-Oct-09	63.710	3361	18:58:01	0	**3361**	**3362**	19:00	3320	42
14-Oct-09	63.773	3357	19:00:18	43	**3400**	**3400**	19:00:18	3357	43
15-Oct-09	65.001	3423	18:47:37	31	**3454**	**3454**	18:47:37	3423	31
16-Oct-09	63.936	3308	18:50:08	0	**3308**	**3308**	18:50:08	3308	0
17-Oct-09	53.399	2995	19:01:02	0	**2995**	**2995**	19:01:02	2995	0
18-Oct-09	49.658	2726	20:01:17	41	**2767**	**2767**	20:01:17	2726	41
19-Oct-09	54.200	2939	18:57:31	0	**2939**	**2961**	19:00:00	2911	50
20-Oct-09	55.488	3083	18:50:50	0	**3083**	**3145**	19:00:00	3096	49
21-Oct-09	54.627	3027	18:48:43	19	**3046**	**3062**	19:00:00	3015	47
22-Oct-09	55.090	3089	18:48:40	0	**3089**	**3089**	18:48:40	3089	0
23-Oct-09	53.934	3035	18:34:08	0	**3035**	**3035**	18:34:08	3035	0
24-Oct-09	49.619	2775	18:46:21	0	**2775**	**2775**	18:46:21	2775	0
25-Oct-09	46.877	2606	18:46:37	0	**2606**	**2635**	19:00:00	2601	34
26-Oct-09	50.240	2841	18:28:23	19	**2860**	**2860**	18:28:23	2841	19
27-Oct-09	51.157	2979	19:01:22	11	**2990**	**2990**	18:01:22	2979	11
28-Oct-09	51.346	2919	18:30:58	0	**2919**	**2919**	18:30:58	2919	0
29-Oct-09	51.241	2924	18:30:13	0	**2924**	**2924**	18:30:13	2924	0
30-Oct-09	51.529	3024	18:32:39	0	**3024**	**3024**	18:32:39	3024	0
31-Oct-09	49.817	2800	18:39:21	0	**2800**	**2800**	18:39:21	2800	0
TOTAL	**1856.735**	**3957 Max**			**3965 Max**	**3980 Max**			

10 LOAD PATTERN OF DELHI ON THE DAY OF PEAK DEMAND MET DURING OCTOBER 2009 ON 01.10.2009 – 3957 MW at 18:56:36 HRS.

All figures in MW

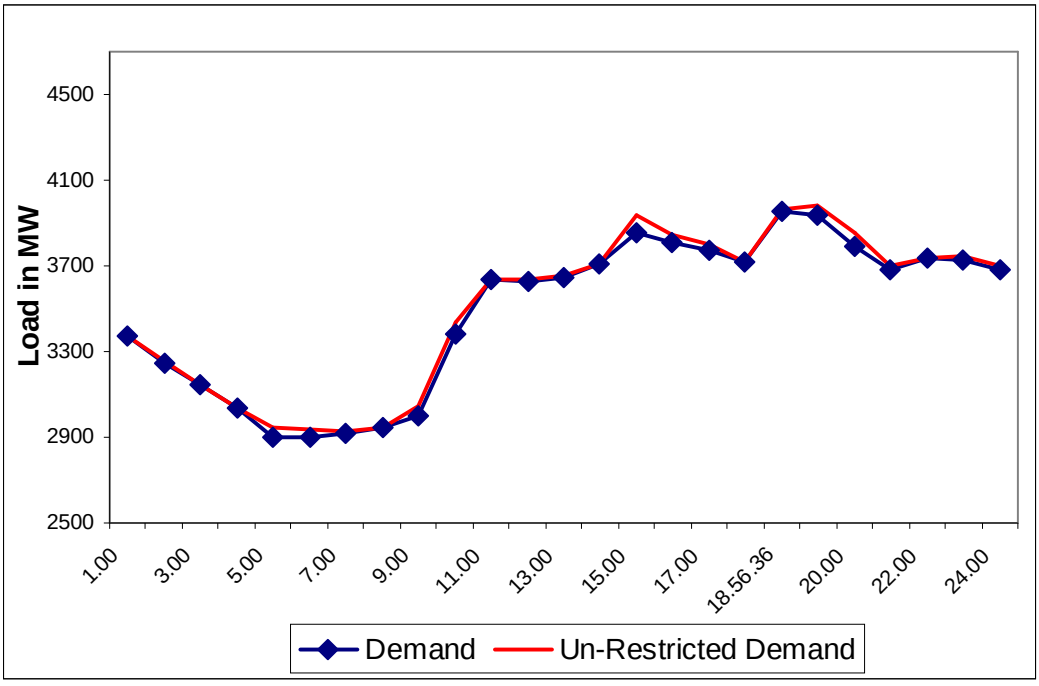
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	3373	2	3375
2.00	3249	2	3251
3.00	3144	0	3144
4.00	3032	0	3032
5.00	2897	50	2947
6.00	2898	35	2933
7.00	2922	6	2928
8.00	2948	0	2948
9.00	3002	46	3048
10.00	3378	57	3435
11.00	3640	0	3640
12.00	3627	11	3638
13.00	3642	9	3651
14.00	3707	3	3710
15.00	3856	79	3935
16.00	3805	42	3847
17.00	3776	22	3798
18.00	3714	0	3714
18.56.36	**3957**	8	3965
19.00	3935	45	3980
20.00	3795	63	3858
21.00	3685	13	3698
22.00	3732	7	3739
23.00	3724	25	3749
24.00	3686	16	3702
ENERGY IN Mus	80.937	0.511	81.448



11 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UN-RESTRICTED DEMAND DURING OCTOBER 2009 – 01.10.2009 – 3980MW at 19:00:00hrs.

All figures in MW

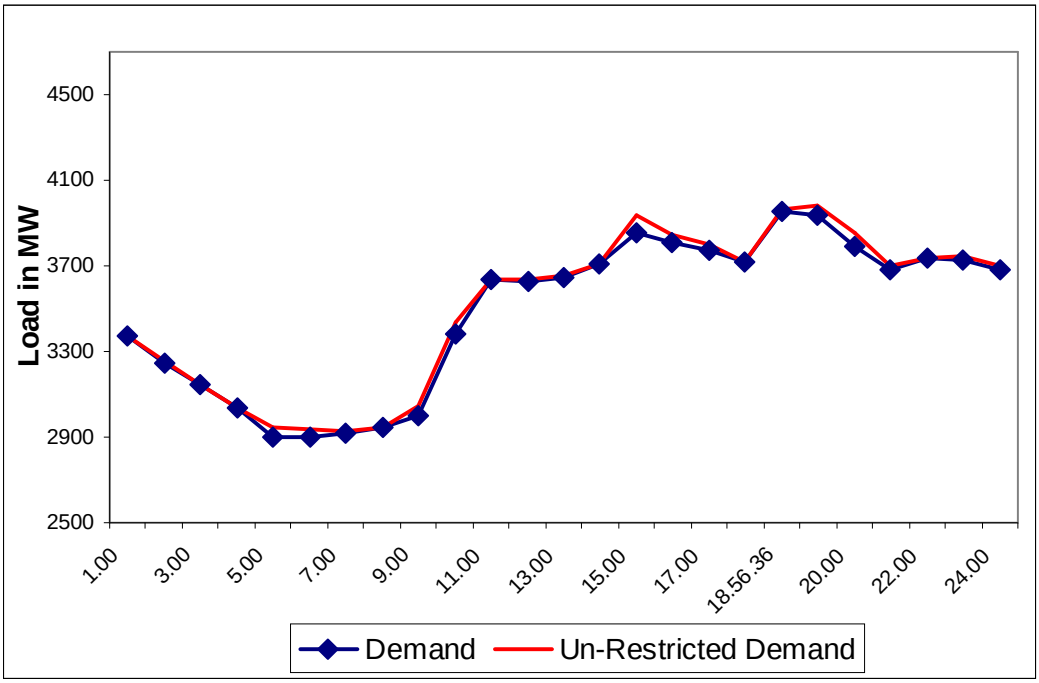
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	3373	2	3375
2.00	3249	2	3251
3.00	3144	0	3144
4.00	3032	0	3032
5.00	2897	50	2947
6.00	2898	35	2933
7.00	2922	6	2928
8.00	2948	0	2948
9.00	3002	46	3048
10.00	3378	57	3435
11.00	3640	0	3640
12.00	3627	11	3638
13.00	3642	9	3651
14.00	3707	3	3710
15.00	3856	79	3935
16.00	3805	42	3847
17.00	3776	22	3798
18.00	3714	0	3714
18.56.36	**3957**	8	3965
19.00	3935	45	**3980**
20.00	3795	63	3858
21.00	3685	13	3698
22.00	3732	7	3739
23.00	3724	25	3749
24.00	3686	16	3702
ENERGY IN Mus	80.937	0.511	81.448



12 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM ENERGY CONSUMED DURING OCTOBER 2009 – 01.10.2009 – 80.937 Mus

All figures in MW

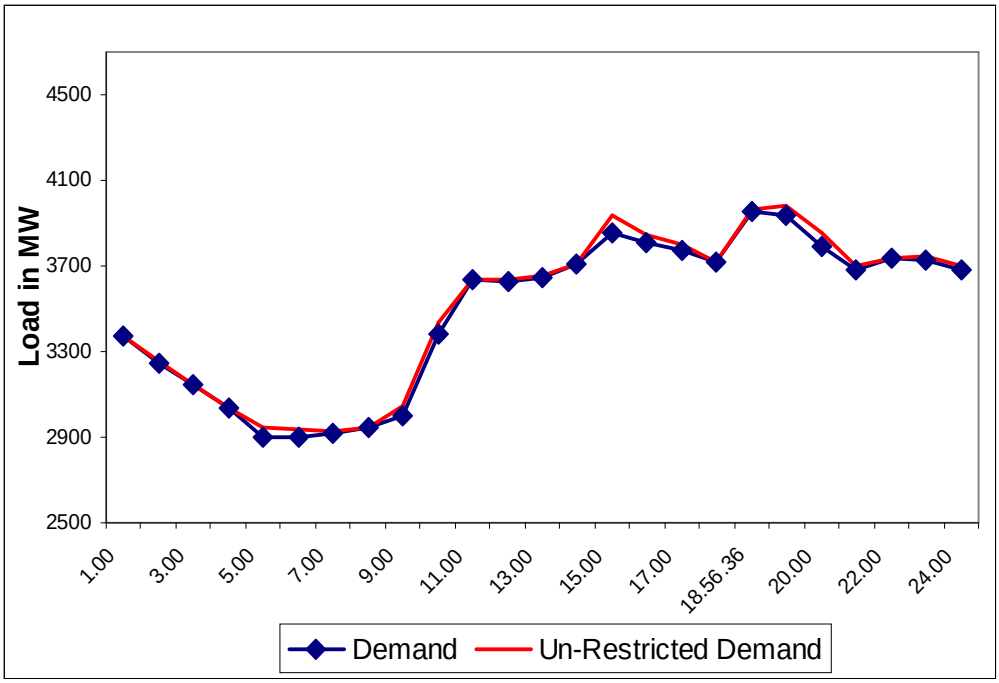
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	3373	2	3375
2.00	3249	2	3251
3.00	3144	0	3144
4.00	3032	0	3032
5.00	2897	50	2947
6.00	2898	35	2933
7.00	2922	6	2928
8.00	2948	0	2948
9.00	3002	46	3048
10.00	3378	57	3435
11.00	3640	0	3640
12.00	3627	11	3638
13.00	3642	9	3651
14.00	3707	3	3710
15.00	3856	79	3935
16.00	3805	42	3847
17.00	3776	22	3798
18.00	3714	0	3714
18.56.36	**3957**	8	3965
19.00	3935	45	3980
20.00	3795	63	3858
21.00	3685	13	3698
22.00	3732	7	3739
23.00	3724	25	3749
24.00	3686	16	3702
ENERGY IN Mus	**80.937**	0.511	81.448



13 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UNRESTRICTED ENERGY DEMAND DURING OCTOBER 2009 – 01.10.2009 – 81.448Mus

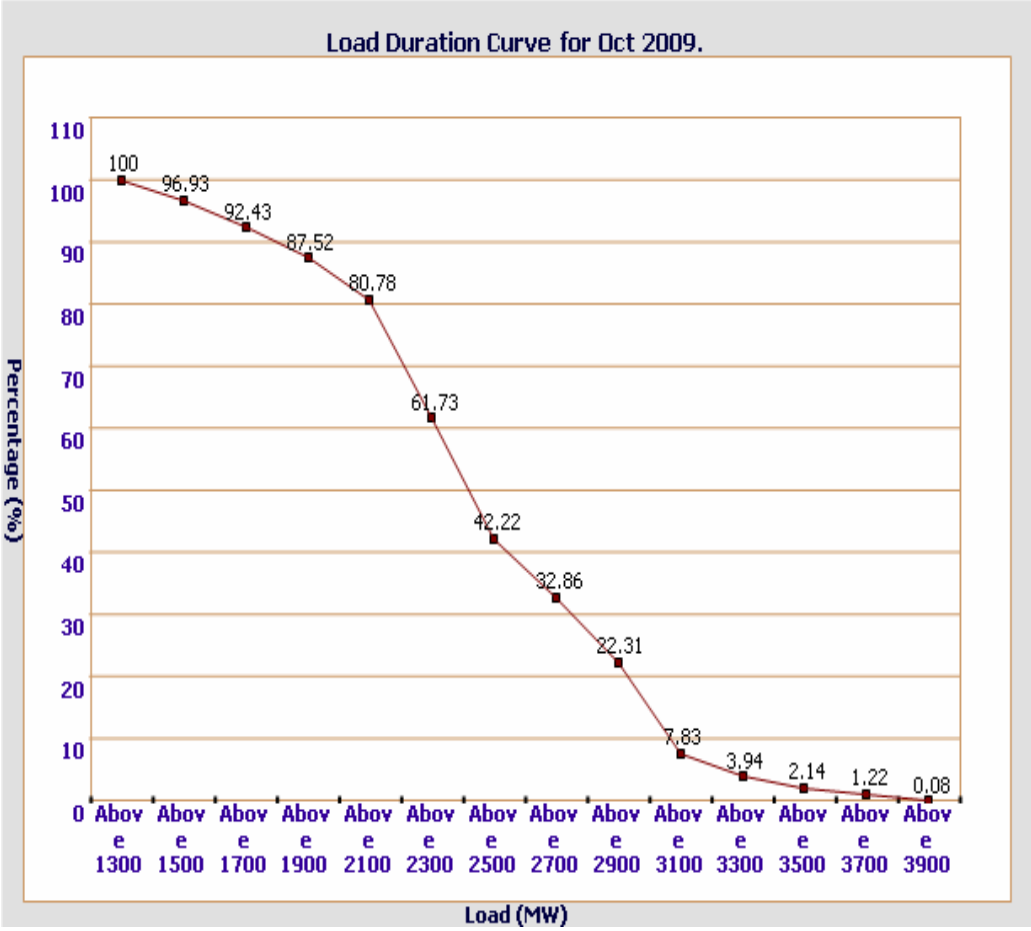
All figures in MW

Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	3373	2	3375
2.00	3249	2	3251
3.00	3144	0	3144
4.00	3032	0	3032
5.00	2897	50	2947
6.00	2898	35	2933
7.00	2922	6	2928
8.00	2948	0	2948
9.00	3002	46	3048
10.00	3378	57	3435
11.00	3640	0	3640
12.00	3627	11	3638
13.00	3642	9	3651
14.00	3707	3	3710
15.00	3856	79	3935
16.00	3805	42	3847
17.00	3776	22	3798
18.00	3714	0	3714
18.56.36	3957	8	3965
19.00	3935	45	3980
20.00	3795	63	3858
21.00	3685	13	3698
22.00	3732	7	3739
23.00	3724	25	3749
24.00	3686	16	3702
ENERGY IN Mus	80.937	0.511	**81.448**



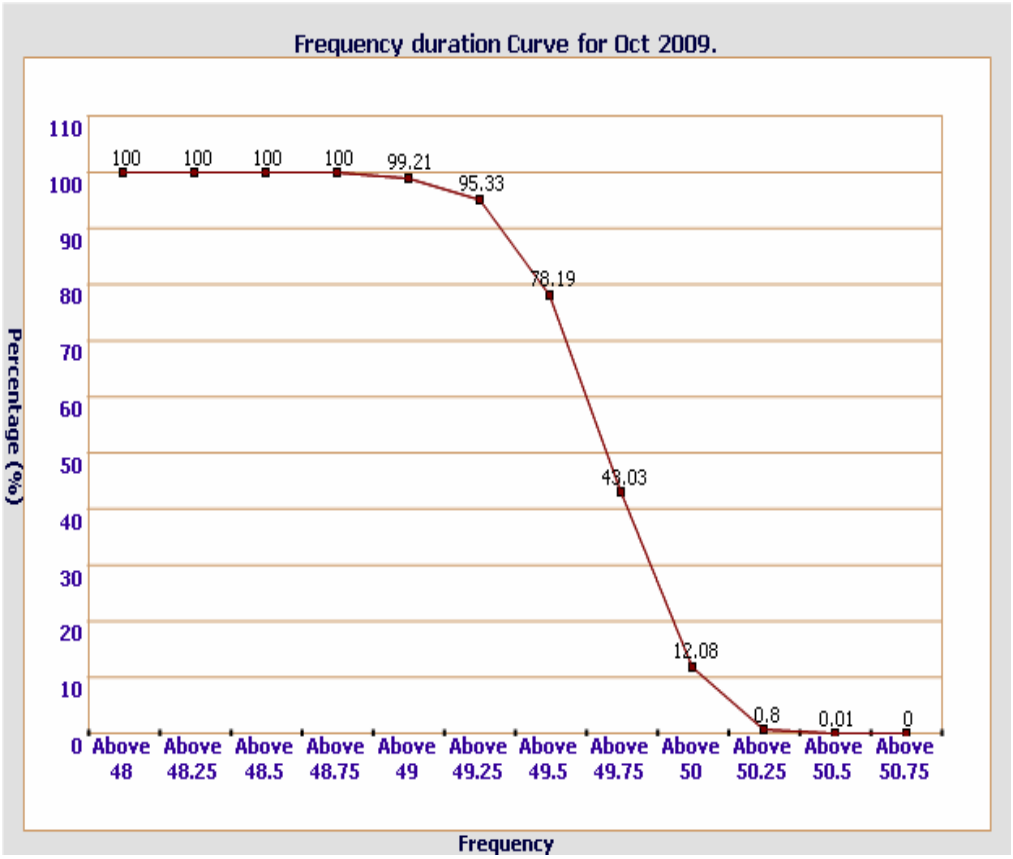
14 LOAD DURATION CURVE FOR OCTOBER 2009

Load in MW	Percentage of Time
Above 1300	100 %
Above 1500	96.93 %
Above 1700	92.43 %
Above 1900	87.52 %
Above 2100	80.78 %
Above 2300	61.73 %
Above 2500	42.22 %
Above 2700	32.86 %
Above 2900	22.31 %
Above 3100	7.83 %
Above 3300	3.94 %
Above 3500	2.14 %
Above 3700	1.22 %
Above 3900	0.08 %



15 FREQUENCY ANALYSIS FOR THE MONTH OF OCTOBER 2009

Frequency Range in Hz.	Percentage of time
Above 48.00	100 %
Above 48.25	100 %
Above 48.50	100 %
Above 48.75	100 %
Above 49.00	99.21 %
Above 49.25	95.33 %
Above 49.50	78.19 %
Above 49.75	43.03 %
Above 50.00	12.08 %
Above 50.25	0.8 %
Above 50.50	0.01 %
Above 50.75	0 %



16 VOLTAGE PROFILE OF 220 KV SUB-STATIONS IN DELHI DURING OCTOBER 2009

All figures in kV

Date	NARELA		GAZIPUR	
	Max	Min	Max	Min
01-Oct-09	215.38	196.42	216.93	196.42
02-Oct-09	--	--	--	--
03-Oct-09	--	--	--	--
04-Oct-09	--	--	--	--
05-Oct-09	224.28	205.06	225.05	--
06-Oct-09	224.66	210.87	226.34	213.32
07-Oct-09	224.41	204.80	226.60	209.58
08-Oct-09	224.02	210.61	224.41	--
09-Oct-09	224.41	208.80	226.60	208.67
10-Oct-09	224.15	209.45	225.05	213.19
11-Oct-09	218.22	--	224.79	212.80
12-Oct-09	225.31	205.06	225.70	207.51
13-Oct-09	224.28	212.41	224.92	210.87
14-Oct-09	226.34	209.58	227.63	211.90
15-Oct-09	225.70	210.48	225.95	212.03
16-Oct-09	226.99	212.15	226.08	--
17-Oct-09	226.34	217.57	228.15	217.83
18-Oct-09	228.02	216.54	228.79	216.93
19-Oct-09	227.63	215.38	228.66	217.70
20-Oct-09	226.99	--	228.02	215.38
21-Oct-09	225.44	210.74	226.34	212.67
22-Oct-09	226.86	207.64	227.63	212.15
23-Oct-09	227.63	209.96	227.24	212.03
24-Oct-09	228.02	211.51	229.18	214.09
25-Oct-09	227.50	213.96	230.60	214.99
26-Oct-09	226.60	212.41	228.15	213.96
27-Oct-09	226.86	--	228.15	212.67
28-Oct-09	228.79	207.25	230.21	211.25
29-Oct-09	227.89	208.29	229.31	212.41
30-Oct-09	227.37	209.83	228.15	211.90
31-Oct-09	226.60	211.77	228.53	214.61

17 VOLTAGE PROFILE OF 400 KV SUB-STATIONS IN DELHI DURING OCTOBER 2009

All figures in kV

Date	400kV Bamnauli Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01-Oct-09	398.63	02.59.00	357.36	14.19.51	382.17
02-Oct-09	--	--	--	--	--
03-Oct-09	--	--	--	--	--
04-Oct-09	--	--	--	--	--
05-Oct-09	411.53	21.38.50	384.33	11.21.02	400.99
06-Oct-09	412.23	20.55.02	390.43	10.09.56	402.02
07-Oct-09	411.30	02.50.53	384.33	10.57.47	399.17
08-Oct-09	411.06	04.03.31	393.71	10.13.56	402.46
09-Oct-09	414.58	06.02.37	386.91	09.52.39	401.25
10-Oct-09	412.23	21.52.04	389.02	06.32.35	401.15
11-Oct-09	412.70	20.44.41	389.969	12.30.19	404.07
12-Oct-09	413.41	20.57.24	379.40	12.47.38	398.43
13-Oct-09	410.12	23.48.55	389.02	10.43.17	399.91
14-Oct-09	414.81	04.05.50	387.61	10.47.32	401.66
15-Oct-09	412.47	21.48.57	387.61	11.50.17	400.07
16-Oct-09	413.17	21.51.28	385.03	09.54.51	402.03
17-Oct-09	414.81	05.04.59	399.34	06.37.53	408.74
18-Oct-09	417.86	15.06.33	398.63	18.26.33	410.76
19-Oct-09	417.16	08.06.36	399.57	10.12.53	408.73
20-Oct-09	416.22	08.05.29	394.88	11.13.27	405.96
21-Oct-09	413.87	20.50.29	390.89	06.48.29	402.94
22-Oct-09	416.69	21.36.18	389.02	10.10.02	405.49
23-Oct-09	414.81	05.04.30	388.55	10.36.26	402.97
24-Oct-09	419.03	20.51.48	--	11.49.49	406.50
25-Oct-09	421.61	21.51.25	393.94	18.10.46	408.06
26-Oct-09	416.69	21.50.33	393.47	10.19.23	406.13
27-Oct-09	418.33	21.43.40	391.60	18.12.40	405.69
28-Oct-09	419.50	20.57.44	386.20	09.16.57	404.75
29-Oct-09	417.86	02.50.36	386.91	06.48.29	406.14
30-Oct-09	415.75	05.02.36	385.50	09.39.41	404.54
31-Oct-09	416.22	20.58.57	390.89	09.19.45	405.02

Date	400kV Bawana Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01-Oct-09	405.20	02.59.40	366.51	14.19.31	388.52
02-Oct-09	--	--	--	--	--
03-Oct-09	--	--	--	--	--
04-Oct-09	--	--	--	--	--
05-Oct-09	415.52	21.38.50	388.78	11.21.22	405.16
06-Oct-09	415.98	20.55.12	395.82	10.25.57	406.36
07-Oct-09	415.05	02.56.13	389.25	10.57.07	403.78
08-Oct-09	414.58	01.52.23	398.16	10.11.56	406.85
09-Oct-09	418.33	02.57.44	392.30	09.58.09	405.81
10-Oct-09	415.75	02.26.03	393.94	06.24.15	405.72
11-Oct-09	416.22	18.05.36	393.71	12.30.29	408.03
12-Oct-09	417.86	20.56.54	385.03	12.47.48	403.10
13-Oct-09	415.52	21.28.59	393.47	10.42.57	404.53
14-Oct-09	419.27	04.05.40	392.07	12.43.27	406.24
15-Oct-09	415.98	21.48.57	392.07	12.39.00	404.11
16-Oct-09	415.98	21.51.18	388.78	09.54.01	405.72
17-Oct-09	417.86	13.57.46	401.92	06.37.53	411.73
18-Oct-09	420.67	21.47.36	402.85	18.26.03	413.77
19-Oct-09	419.74	20.54.16	402.85	10.12.43	411.63
20-Oct-09	419.03	20.53.06	399.34	11.13.17	409.90
21-Oct-09	416.92	20.48.39	393.94	06.47.49	406.15
22-Oct-09	419.74	21.36.18	393.47	10.08.22	409.54
23-Oct-09	418.33	20.56.55	393.47	10.36.36	406.83
24-Oct-09	421.85	20.52.08	395.12	06.51.03	408.50
25-Oct-09	424.43	21.55.25	396.76	14.41.44	411.25
26-Oct-09	420.44	21.49.33	397.46	10.19.03	410.02
27-Oct-09	420.91	21.43.30	396.05	18.12.50	409.01
28-Oct-09	423.72	20.58.44	390.19	09.16.57	408.78
29-Oct-09	420.67	02.50.16	390.89	06.47.49	410.02
30-Oct-09	419.03	20.57.16	393.94	09.18.20	408.60
31-Oct-09	420.44	20.53.27	395.82	09.19.45	409.04

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)	Remarks
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)	Remarks
Shalimar 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)	Remarks
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 Market			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	Tilakmarg			5.04	**5.04**
6	Electric Lane			5.04	**5.04**
7	Cannaught Place			5.04	**5.04**
8	Kilokri		10.08	10.48	**20.56**
9	NDSE				
10	AIIMS		13.26	5.04	**18.3**
11	Nizamuddin			5.04	**5.04**
12	Exhibition-I		10		**10**
13	Exhibition-II				
14	Defence Colony			10.9	**10.9**
15	IG Stadium		10.08		**10.08**
16	Lajpat Nagar			5.04	**5.04**
					156.49
2	**IP Extn.**				
1	School Lane			5.04	**5.04**
2	Scindia House			5.04	**5.04**
3	Vidyut Bhawan			10.08	**10.08**
4	Nirman Bhawan			5.04	**5.04**
5	Dalhousie Road			5.04	**5.04**
					30.24
3	**RPH Station**		20	5.04	**25.04**
1	Lahori Gate			10.45	**10.45**
2	Jama Masjid			5.03	**5.03**
3	Kamla Market			5.45	**5.45**
4	Minto Road			5.45	**5.45**
5	GB Pant Hosp			5.03	**5.03**
6	IG Stadium			5.45	**5.45**
					61.9

Sl. No	Name of the Grid S/Sub-Station	INSTALLED CAPACITY IN MVAR			
		66KV	33kV	11kV	TOTAL
4	**Park Street S/stn**	20	20		**40**
1	Shastri Park		10.896	5.45	**16.346**
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. Marg				
					157.446
5	**Naraina S/stn**		20	5.04	**25.04**
1	DMS			10.45	**10.45**
2	Mayapuri		10.87	5	**15.87**
3	Inderpuri		13.27	5.04	**18.31**
4	Rewari line			7.2	**7.2**
5	Khyber Lane		10		**10**
6	Kirbi Place			5	**5**
					91.87
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		10.03	10.08	**20.11**
5	Bijwasan			10.08	**10.08**
6	DC Saket		10.08	4.54	**14.62**
7	Malviya Nagar	21.79			**21.79**
8	C Dot				
9	Vasant kunj B-Blk	21.79		10.9	**32.69**
10	Vasant kunj C-Blk		5.45	**5.45**	**5.45**
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**	**20.08**
7	**Vasantkunj S/stn**	40		5.04	**45.04**
1	R. K. Puram-II			3.6	**3.6**
2	Vasant kunj C-Blk		5.04	**5.04**	**5.04**
3	Vasant kunj D-Blk	20.16		10.25	**30.41**
4	Race Course			5.04	**5.04**
5	Bapu Dhaam			5.04	**5.04**
6	Nehru Park			5.04	**5.04**
7	Ridge Valley				
					99.21

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	21.79		10.9	**32.69**
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**
					293.77
9	**Lodhi Road S/stn**	20		**20**	**20**
1	Defence Colony				
2	Hudco			10.9	**10.9**
3	Lajpat Nagar			5.04	**5.04**
4	Nizamuddin			5.45	**5.45**
5	Vidyut Bhawan			10.08	**10.08**
6	Kidwai Nagar			5.04	**5.04**
7	Ex. Gr. II				
8	IHC				
					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	20.16		10.08	**30.24**
4	Jamia Millia			5.4	**5.4**
5	Sarai Julena			10.9	**10.9**
					91.72
11	**South of Wazirabad**				
1	Bhagirathi		10.03	10.9	**20.93**
2	Ghonda	21.79	22.56	15.94	**60.29**
3	Seelam Pur		10.08	21.39	**31.47**
4	Dwarkapuri			10.06	**10.06**
5	Nandnagri	20.16		16.35	**36.51**
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**
					197.16

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				
					36.87
13	**Gazipur S/stn**	40		5.04	**45.04**
1	Dallupura	21.79		10.9	**32.69**
2	Vivek Vihar			9.57	**9.57**
3	GT Road			10.85	**10.85**
4	Kondli	20.16		10.45	**30.61**
5	MVR-I			10.9	**10.9**
6	MVR-II	20.16		10.9	**31.06**
7	PPG Ind. Area			10.06	**10.06**
					180.78
14	**Patparganj S/stn**	40	20	5.04	**65.04**
1	GH-I	19.89		10.45	**30.34**
2	GH-II	20.09		10.9	**30.99**
3	CBD		10.03	14.94	**24.97**
4	Guru Angad Nagar			15.49	**15.49**
5	Karkadooma		10.8	10.44	**21.24**
6	Preet Vihar			10.07	**10.07**
7	CBD-II			10.8	**10.8**
8	Shakarpur			5.4	**5.4**
9	Jhilmil			10.8	**10.8**
10	Dilshad Garden	20.16		16.35	**36.51**
11	Khichripur	21.79		10.49	**32.28**
12	Mother Dairy				
13	Scope Building				
14	Vivek Vihar				
					293.93
15	**Najafgarh S/stn**	60		5.04	**65.04**
1	A4 Paschim Vihar			10.9	**10.9**
2	Nangloi	21.73		15.85	**37.58**
3	Nangloi W/W	20.89		5.45	**26.34**
4	Pankha Road			15.69	**15.69**
5	Jaffarpur			15.49	**15.49**
6	Inst. Area Janakpuri			15.9	**15.9**
7	Paschimpuri		10.05	15.53	**25.58**
8	Paschim Vihar	41.83		15.44	**57.27**
9	Mukherjee Park			15.49	**15.49**
10	Udyog Nagar			5.04	**5.04**
11	Choukhandi			10.08	**10.08**
					300.4

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 Grid G-3 PPK	21.73		15.9	**37.63**
2	Bodella-I	20.1		15.9	**36**
3	Bodella-II	21.73		14.53	**36.26**
4	DC Janakpuri			10.04	**10.04**
5	G-2 PPK			10.9	**10.9**
6	G-5 PPK			15.53	**15.53**
7	G-6 PPK			5.45	**5.45**
8	Hari Nagar	21.18		10.49	**31.67**
					208.52
17	**BBMB Rohtak Road**				
1	S.B. Mill			10.08	**10.08**
2	GTK Road			12.64	**12.64**
3	Ram Pura			12.25	**12.25**
4	Rohtak Road			10.08	**10.08**
5	Vishal		10.05	5	**15.05**
6	Madipur			10.43	**10.43**
7	Sudershan Park			10.99	**10.99**
					81.52
18	**Shalimarbagh 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	Shalimarbagh			5.44	**5.44**
5	Ashok Vihar			20.47	**20.47**
6	Rani Bagh			14.4	**14.4**
7	Haiderpur			5.95	**5.95**
					138.61
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				
					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	26.64		5.95	**32.59**
5	DSIDC Narela-2			14.4	**14.4**
6	Jahangirpuri				
					145.53

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			22.8	**22.8**
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	26.64	20	5.95	**52.59**
8	Civil lines				
					156.57
22	**Rohini S/stn**	40		6	**46**
1	Rohini Sec-24 Ckt-I			14.4	**14.4**
2	Rohini Sec-24 Ckt-II	26.64		5.95	**32.59**
3	Rohini-1			5.95	**5.95**
4	Rohini-2			13.15	**13.15**
5	Rohini-3			5.95	**5.95**
6	Rohini-4			11.9	**11.9**
7	Rohini-5			13.15	**13.15**
8	Rohini-6	26.64		5.95	**32.59**
9	Mangolpuri-1			20.35	**20.35**
10	Mangolpuri-2	26.64		6	**32.64**
11	Saraswati Garden			11.9	**11.9**
12	Pitam Pura-1	20	20	12.6	**52.6**
13	Pitam Pura-2			5.95	**5.95**
14	Pitam Pura-3			7.32	**7.32**
					306.44
23	**Kanjhawala S/stn**	20		5.04	**25.04**
1	Bawana Clear Water				
2	Pooth Khoord				
					25.04
24	**BAWANA S/stn**				
1	Bawana S/stn No. 6			14.64	**14.64**
2	Bawana S/stn No. 7			7.2	**7.2**
					21.84
25	**Kashmeregate S/stn**			5.04	**5.04**
1	Civil lines			12	**12**
2	Town Hall			10.49	**10.49**
3	Fountain			5.45	**5.45**
					32.98
26	**Pappankalan-II**				
1	DMRC-I				
2	DMRC-II				
					3483.186

20 DETAILS OF BREAK-DOWNS

SLNO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
01	01.10.09	09.59	220KV BTPS – NOIDA – GAZIPUR CKT.	01.10.09	10.33	CKT. TRIPPED ON `Y' PHASE E/F AT BTPS. NO TRIPPING AT GAZIPUR.
02	02.10.09	09.48	66/33KV 30MVA PR. TR.-I & II AT PARK STREET	02.10.09	09.49	BOTH TXS TRIPPED WITHOUT INDICATION. BOTH TXS CHARGED AT 09.49HRS. TXS TRIPPED WHILE FACILITING SHUT-DOWN ON 33KV MOTIA KHAN CKT-II AND CHANGING OVER-OF LOAD OF 33KV MOTIA KHAN CKT-II 33KV MOTIA KHAN CKT-I ON 33KV BUS-I.
03	02.10.09	09.52	66/33KV 30MVA PR. TR.-I & II AT PARK STREET	02.10.09	09.53	BOTH TRANSFORMERS TRIPPED WITHOUT INDICATION DUE TO FAULT IN 33KV MOTIA KHAN CKT-I. BOTH TXS. CHARGED AT 09.53HRS
04	02.10.09	13.20	33/11KV 16MVA PR. TR.-I AT SUBZI MANDI	02.10.09	STILL OUT	TR. TRIPPED ON DIRECTIONAL O/C, `RYB' PHASE, 86 ALONG WITH 11KV I/C-I WHICH TRIPPED ON O/C `R&B' PHASE. TRANSFORMER CHARGED AT 17.40HRS BUT AGAIN TRIPPED ON SAME FAULT.
05	02.10.09	17.10	220KV BAMNAULI – NARAINA CKT-I	02.10.09	17.25	CKT. TRIPPED ON DIST. PROT `ABC' PHASE, AUTO RECLOSE LOCK OUT AT NARAINA. TRIPPING OCCURRED WHILE FACILITATING SHUT-DOWN ON 400/220KV ICT-III AT BAMNAULI.
06	03.10.09	14.38	220KV GOPALPUR – SUBZI MANDI CKT-I	03.10.09	14.47	CKT. TRIPPED ON DIST PROT `RYB' PH. ZONE-I AT GOPALPUR. NO TRIPPING SUBZI MANDI.
07	03.10.09	17.50	220KV WAZIRABAD – KASHMIRI GATE CKT-I	03.10.09	23.41	CKT. TRIPPED ON TRIP CKT SUPERVISION INDICATION.
08	03.10.09	23.43	220/66KV 100MVA PR. TR.-II AT PATPARGANJ	04.10.09	06.46	TR. TRIPPED ON 86, 87T ALONG WITH 66KV I/C-II WHICH TRIPPED ON INTER TRIPPING. 66KV BUS COUPLER ALSO TRIPPED ON E/F. `B' PHASE CT OF 66KV KHICHRIPUR CKT BLAST.
09	04.10.09	13.57	400/22KV 315MVA ICT-III AT BAWANA	04.10.09	14.06	ICT TRIPPED ON 86B-I, TRIP SUPER VISION 95A-1, AUXILIARY RELAY, 30AB 30CPG. FACIA: MAIN CB AUTO TRIP, TX. OIL LOW/ HIGH OIL ALARM, GROUP-I/2 TRIP RELAY CKT FAULTY. 220KC I/C-III TRIPPED ON CB AUTO TRIP.
10	04.10.09	16.12	220KV GOPALPUR – SUBZI MANDI CKT-I	04.10.09	16.15	CKT. TRIPPED ON DIST PROT `RYB' PHASE ZONE-I AT GOPALPUR. NO TRIPPING AT SUBZI MANDI.
11	04.10.09	16.40	220KV GOPALPUR – SUBZI MANDI CKT-I	04.10.09	19.30	CKT. TRIPPED ON DIST PROT `RYB' PHASE ZONE-I AT GOPALPUR. NO TRIPPING AT SUBZI MANDI.
12	05.10.09	09.05	220/66KV 100MVA PR. TR.-I AT NARELA	05.10.09	11.45	TR. TRIPPED ON INSTANTENEOUS E/F, 186AB ALONG WITH 66KV I/C-I WHICH TRIPPED ON INTER TRIPPING
13	05.10.09	10.34	220KV BAWANA – NAJAFGARH CKT-I	05.10.09	10.44	CKT. TRIPPED ON E/F AT NAJAFGARH.
14	05.10.09	10.44	220/66KV 100MVA PR. TR.-I & II AT NAJAFGARH	05.10.09	10.44	BOTH TRIPPING TRIPPED ON E/F ALOING WITH THEIR 66KC I/CS. BOTH 66KV I/CS TRIPPED ON INTER TRIPPING.

SLNO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
15	05.10.09	12.55	33/11KV 16MVA PR. TR.-II AT SUBZI MANDI	05.10.09	18.33	TR. TRIPPED ON 51O/C, 86. TR. CHARGED AT 13.05HRS. BUT AGAIN TRIPPED AT 13.15HRS. ON SAME FAULT. TX FINALLY CHARGED AT 18.33HRS.
16	07.10.09	13.39	220KV BAWANA – NAJAFGARH CKT-II	07.10.09	16.20	CKT. TRIPPED ON DIST PROT `B&C' PHASE ZONE-II AT BAWANA AND ON DIST PROT `A' PHASE AT NAJAFGARH
17	08.10.09	10.59	220KV BAWANA – NAJAFGARH CKT-I	08.10.09	11.35	CKT. TRIPPED ON E/F, 186 AT NAJAFGARH
18	08.10.09	13.13	220KV MANDOLA – WAZIRABAD CKT-II	08.10.09	12.58	CKT. TRIPPED ON DIST PROT `RYB' PH. ZONE-I, RXME18 AT WAZIRABAD.
19	10.10.09	12.17	220KV BAMNAULI – PAPPANKALAN-II CKT-II	10.10.09	12.49	CKT. TRIPPED ON DIST PROT `A&B' PHASE, 186A&B AT BAMNAULI. NO TRIPPING AT PAPPANKALAN-II
20	13.10.09	02.50	220/66KV 100MVA PR. TR.-I AT NARELA	13.10.09	14.40	TR. TRIPPED ON E/F.
21	13.10.09	12.41	220/33KV 100MVA PR TR.-I AT GEETA COLONY	13.10.09	16.30	TR. TRIPPED ON BUCHLOZ, 30G, 30J, 30E, 86 ALONG WITH 33KV I/C-I WHICH TRIPPED ON CB AUTO TRIP
22	15.10.09	10.45	220KV WAZIRABAD – KASHMIRI GATE CKT-II	15.10.09	15.06	CKT. TRIPPED ON GENERAL TRIP GFC-STFWL1L2L3, ZM 1 TRIP, ZM2 ZM3 START AT WAZIRABAD. NO TRIPPING AT KASHMIRI GATE.
23	17.10.09	16.30	33/11KV 16MVA PR. TR.-II AT SUBZI MANDI	17.10.09	17.05	TR. TRIPPED ON DIFFERENTIA, MASTER RELAY.
24	20.10.09	12.15	220KV PANIPAT – NARELA CKT-I, II & III	20.10.09	13.30	220KV PANIPAT – NARELA CKT-I, II & III TRIPPED AT NARELA WITHOUT INDICAITON WHILE ARRANGING SHUT-DOWN ON 220/66KV 100MVA PR. TR.-I ALONG WITH 220KV BUS-I AT NARELA.
25	21.10.09	11.23	220/33KV 50MVA PR. TR.-I AT OKHLA	21.10.09	12.20	TR. TRIPPED ON 95C
26	23.10.09	06.34	220KV GOPALPUR – SUBZI MANDI CKT-II	23.10.09	18.35	CKT. TRIPPED ON DIST PROT `RYB' PHASE ZONE-I AT GOPALPUR. NO TRIPPING AT SUBZI MANDI
27	23.10.09	06.34	220/33KV 100MVA PR. TR.-II AT SUBZI MANDI	23.10.09	18.35	TR. TRIPPED ON 87, E/F, 86 ATLONG WITH 33KV I/C-II WHICH TRIPPED ON SUPERVISIO RELAY, 86
28	25.10.09	16.15	220KV GEETA COLONY – PATPARGANJ CKT-I & II	25.10.09	16.35	220KV BUS BAR PROTECTION OPERATED AT PATPARGANJ
29	25.10.09	16.15	220KV PATPARGANJ – IP CKT-II	25.10.09	16.35	220KV BUS BAR PROTECTION OPERATED AT PATPARGANJ
30	25.10.09	16.15	220/66KV 100MVA PR. TR.-I & II AT PATPARGANJ	25.10.09	16.35	220KV BUS BAR PROTECTION OPERATED AT PATPARGANJ
31	25.10.09	16.15	220/33KV 50MVA PR. TR.-II AT PATPARGANJ	25.10.09	16.35	220KV BUS BAR PROTECTION OPERATED AT PATPARGANJ
32	25.10.09	23.28	220/66KV 100MVA PR. TR.-I AT GAZIPUR	26.10.09	16.02	TR. TRIPPED ON DIFFERENTIAL ALONG WITH 66KV I/C-I WHICH TRIPPED WITHOUT INDICATION.
33	28.10.09	17.13	220/66KV 100MVA PR. TR.-I AT PAPPNKALAN-II	28.10.09	17.20	TR. TRIPPED ON LBB PROTECTION ALONG WITH 66KV I/C-I WHICH ALSO TRIPPED ON LBB PROTECTION. 66KV I/C-I TRIPPED WHILE ENERGISING

SLNO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
34	28.10.09	10.02	220/66KV 160MVA PR. TR. AT PRAGATI	28.10.09	23.10	TR. TRIPPED ON 195Y, 295Y, 30A, 30B HALF, 30C HALF, 30D HALF.
35	29.10.09	12.10	33/11KV 16MVA PR. TR.-II AT SUBZI MANDI	29.10.09	12.30	TR. TRIPPED ON 51 O/C, `B' PHASE, 86 ALONG WITH 11KV I/C-II WHICH TRIPPED ON `B' PHASE O/C
36	30.10.09	15.10	220KV PRAGATI – SARITA VIHAR CKT.	30.10.09	15.18	CKT. TRIPPED ON DIST PROT ZONE-I, 86, AT PRAGATI AND ON DIST PROT ZONE-I, 186A&B AT SARITA VIHAR.
37	30.10.09	15.10	220/66KV 100MVA & 160MVA PR. TRS AT PRAGATI	30.10.09	15.29	BOTH TR. TRIPPED ON 86. 100MVA PR. TR. CHARGED AT 15.29HRS. AND 160MVA TR. CHARGED AT 15.26HRS.

20 DETAILS OF UNDERFREQUENCY TRIPPINGS

DATE	S N.	TIME IN HRS.		LOAD AFFECTED IN MW	STAGE / FREQ.	AREAS/ GROUP AFFECTED
		OUT	IN			
01.10.09	1	05:38	06:05	28	**STAGE-I**	33KV SHALIMAR BAGH -WAZIRPUR -II CKT-I , 33KV SHALIMAR BAGH - SMB KHOSLA CKT-II
	2	00:15	00:55	52	**STAGE-I**	66KV NAJAFGARH - G-5 PAPANKALAN CKT. I&II 20MVA PR. TR. –III AND 03 NOS. 11KV FEEDERS
	3	04:30	04:36	23	**STAGE-I**	33KV OKHLA - OKHLA PH-II CKT I & II, 33KV OKHLA - BALAJI CKT. -I &II 33KV OKHLA - NEHRU PLACE CKT. IV
	4	04:45	05:45	23	**STAGE-I**	33KV OKHLA - OKHLA PH-II CKT I & II, 33KV OKHLA - BALAJI CKT. -I &II 33KV OKHLA - NEHRU PLACE CKT. IV
	5	04:58	05:58	27	**STAGE-I**	66KV OKHLA - BATRA CKT 33KV OKHLA - TUGLAKABAD CKT, 33KV OKHLA - ALAKNANDA CKT. -I
	6	06:20	06:58	2	**STAGE-I**	66KV VASANT KUNJ - VASANT KUNJ 'D' BLK CKT-I & II AND 02 NOS 11KV FEEDER
	7	00:20	00:38	11	**STAGE-I**	66KV GAZIPUR - VIVEK VIHAR CKT. I & II AND 11KV FEEDERS
	8	05:40	06:04	7	**STAGE-I**	33KV KASHMIRI GATE - JAMA MASJID CKT, 33KV KASHMIRI GATE - TWON HALL CKT AND 11KV FEEDERS
	9	06:25	06:58	4	**STAGE-I**	33KV KASHMIRI GATE - FOUNTAIN CKT I&II,
03.10.09	1	03:32	03:45	43	**STAGE-I**	66KV NAJAFGARH - BODELA -II CKT. I & II
	2	05:20	05:45	24	**STAGE-I**	66KV OKHLA - OKHLA PH -I CKT. I & II, 33KV OKHLA - MASJID MOTH CKT
	3	05:32	05:57	56	**STAGE-I**	66KV PAPANKALAN-I - BODELA-I CKT.
	4	04:12	04:27	55	**STAGE-I**	66Kv NARELA - JAHANGIRURI CKT-I & II AND 11KV FEEDERS
	5	05:17	05:45	4	**STAGE-I**	66kV NARELA - BADLI CKT.-I&II, 11KV FEEDERS
	6	05:32	05:57	16	**STAGE-I**	66KV PAPANKALAN-I - REWARI LINE CKT.
13.10.09	1	17:50	18:02	10	**STAGE-I**	33KV KASHMIRI GATE - FOUNTAIN CKT I&II,
	2	17:50	18:02	2	**STAGE-I**	66KV VASANT KUNJ - VASANT KUNJ 'D' BLK CKT I&II, AND 02 NOS 11KV FEEDER
	3	18:42	18:55	45	**STAGE-I**	66KV MEHRAULI - MALVIYA NAGAR CKT. I & II
22.10.09	1	18:07	18:13	55	**STAGE-I**	66KV NAJAFGARH - BODELA -II CKT. I & II
	2	18:07	18:13	63	**STAGE-I**	66KV GAZIPUR - VIVEK VIHAR CKT. I & II AND 11KV FEEDERS

DATE	S N.	TIME IN HRS.		LOAD AFFECTED IN MW	STAGE / FREQ.	AREAS/ GROUP AFFECTED
		OUT	IN			
23.10.09	1	18:25	18:28	19	**STAGE-I**	66KV NAJAFGARH - G-5 PAPANKALAN CKT. I&II , 20MVA PR. TR. –III AND 03 NOS. 11KV FEEDERS
24.10.09	1	18:23	18:35	34	**STAGE-I**	66KV WAZIRABAD -II - SHASTRI PARK CKT. I & II
26.10.09	1	09:15	09:26	20	**STAGE-I**	66KV NAJAFGARH - G-5 PAPANKALAN CKT. I&II , 20MVA PR. TR. –III AND 03 NOS. 11KV FEEDERS
	2	10:21	10:30	43	**STAGE-I**	66KV NAJAFGARH - BODELA -II CKT. I & II
	3	18:10	18:20	14	**STAGE-I**	33KV NARAINA - DMS CKT. , 1NO. 11KV FEEDER
	4	18:10	18:20	7	**STAGE-I**	66KV MEHRAULI - VASANT KUNJ `D' BLK CKT-I & II
	5	09:14	09:42	102	**STAGE-I**	66KV WAZIRABAD -II - GONDA CKT. I & II
	6	18:10	18:20	24	**STAGE-I**	33KV SUBZI MANDI - SHAHZADAWALA BAGH CKT-I & II AND 11KV FEEDERS