DELHI TRANSCO LTD.

STATE LOAD DISPATCH CENTER

PROGRESS REPORT

****

NOVEMBER- 2009

1 SALIENT FEATURES OF DELHI POWER SYSTEM

Sr. No.	Features	NOV 2009	NOV 2008
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)**	**2916**	**2919**
	Date	06.11.2009	06.11.2008
	Time	18:31:37	18:14:57
3	**Peak Demand met (MW)**	**2916**	**2919**
	Date	06.11.2009	06.11.2008
	Time	18:31:37	18:14:57
4	Peak Availability (MW)	2843	2976
5	Shortage (-) / Surplus (+) in MW	(-)73	57
6	Percentage Shortage (-) / Surplus (+)	(-)2.67	1.95
7	Maximum Energy Consume in a day (Mus)	51.746	53.945
8	Energy Consumed during the month	**1467.862**	**1459.392**
9	**Load Shedding in Mus**		
A)	Due to Grid Restrictions		
i)	Under Frequency Relay Operations	0.000	0.020
ii)	Manual Load shedding from DTL S/Stns.	0.000	0.206
iii)	Load Shedding due to low frequency / Low Voltage / TTC/ATC Violation		
	NDPL	0.000	0.000
	BRPL	0.000	0.000
	BYPL	0.000	0.000
	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	**0.000**	0.226
B)	Due to Constraints in System in Mus		
	DTL	0.250	0.166
	NDPL	4.379	0.067
	BRPL	0.329	2.344
	BYPL	0.097	0.216
	NDMC	0.000	0.001
	MES	0.000	0.001
	Other Agencies	0.020	0.000
	Total	**5.075**	**2.795**
11	**Grand Total in Mus**	**5.075**	**3.021**

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

A) For the month of November 2009

All Figures in MUs

S. No	Stations	Gross Generation	Aux. Consumption	Net Generation	Availability (%)	Backing Down
1.	**IP**	2.54600	1.75500	0.79100	--	--
2.	**RPH**	35.32300	5.20800	30.11500	35.13	--
3.	**GT**	116.59500	4.42000	112.17500	77.42	34.30600
4.	**PPCL**	217.21300	5.66200	211.55100	91.74	3.61075
5.	**BTPS**	395.64476	43.52091	352.12385	81.47	20.17625
	TOTAL	**767.32176**	**60.56591**	**706.75585**		**58.09300**

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

Power Station	Effecti ve Capaci ty (MW)	Net Gene- ration in MUs For Nov 09	Avail -ability (%) For Nov.'09	PLF (%) For Nov. 09	Cumulative Generation in MUs upto Nov. 09 for the year 2009-10	Cumulative Availability in % upto Nov. 09 for the year 2009-10	Cumulative PLF in % upto Nov 09 for the year 2009-10
IP	247.5	0.79100	--	--	385.87400		--
RPH	135	30.11500	35.13	35.13	369.53800	52.83	52.83
GT	282	112.17500	77.42	59.22	1007.67700	73.51	65.64
PPCL	330	211.55100	91.74	90.18	1536.11100	82.20	81.14
BTPS	705	352.12385	81.47	77.01	3338.19385	91.44	89.60
TOTAL	**1699.5**	**706.75585**			**6637.39385**		

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
		27.10.09	05.58	27.10.09	09.10	No Coal flow
		31.10.09	21.40			Unit stopped
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	09.09.09	20.20	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
		29.10.09	23.07	30.10.09	00.10	Heat Control valve leakage
		01.11.09	00.10	01.11.09	10.35	No coal availability
		02.11.09	13.47	02.11.09	17.18	Water level low
		03.11.09	10.15	04.11.09	17.34	No coal availability
		05.11.09	03.58	05.11.09	05.00	No coal availability
		05.11.09	09.12	05.11.09	18.18	No coal availability
		05.11.09	16.28	09.11.09	15.20	No coal availability
		10.11.09	21.40	24.11.09	13.40	Boiler Tube Leakage
		24.11.09	13.50	26.11.09	14.00	Boiler Tube Leakage
		27.11.09	18.10	27.11.09	20.45	No coal availability
		28.11.09	13.55	28.11.09	16.55	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

Unit no.	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
5	60	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
		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
		02.11.09	17.40	23.11.09	16.10	No coal availability
		24.11.09	02.05			Unit stopped

(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

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	67.5	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	21.08.09	18.00	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
		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
		02.11.09	22.24	02.11.09	23.01	Control supply fail
		11.11.09	20.00	13.11.09	13.58	Condenser Tube Leakage
		25.11.09	21.30	25.11.09	23.00	To attend diesel generator set
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

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
2	67.5	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
		30.11.09	14.36	30.11.09	19.41	Shaft vibration high

(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
		04.11.09	19.50	04.11.09	20.28	Failure of supply to HSD pump.
		17.11.09	14.15	18.11.09	17.58	Gas restriction
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

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
2	30	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
		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
		04.11.09	14.16	04.11.09	16.25	Stopped due GAD running high
		04.11.09	19.50	04.11.09	20.35	Failure of supply to HSD pump
		19.11.09	04.32	19.11.09	15.40	Gas fuel Pressure low.
		23.11.09	00.43	23.11.09	03.38	Low lube oil pressure
		30.11.09	19.05	30.11.09	23.59	Gas Restriction
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

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
3	30	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
		13.10.09	00.05	13.10.09	18.40	Gas restriction
		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	
		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
		01.11.09	10.04	02.11.09	10.15	Gas restriction
		05.11.09	14.05	05.11.09	14.56	High LTTH
		05.11.09	18.54	06.11.09	09.40	Gas restriction
		06.11.09	16.35	07.11.09	12.15	Gas restriction
		08.11.09	00.10	08.11.09	14.59	Gas restriction
		13.11.09	14.32	14.11.09	18.40	Gas restriction
		20.11.09	01.46	20.11.09	18.40	Gas restriction
		20.11.09	11.02	24.11.09	03.59	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

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
4	30	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	Stopped as liquid fuel generation not required by SLDC
		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	
		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	
		02.11.09	18.00	03.11.09	11.30	
		03.11.09	11.30	05.11.09	18.45	
		09.11.09	00.35	10.11.09	18.18	
		10.11.09	20.15	11.11.09	18.58	
		12.11.09	00.40	13.11.09	07.25	
		15.11.09	01.05	18.11.09	14.05	
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.

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
5	30	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	Stopped as liquid fuel generation not required by SLDC
		30.10.09	15.10	30.10.09	16.04	
		04.11.09	20.36	06.11.09	09.52	
		06.11.09	12.45	09.11.09	19.10	
		10.11.09	20.45	11.11.09	00.50	
		12.11.09	05.56	12.11.09	19.15	
		24.11.09	13.02	25.11.09	23.12	
		26.11.09	10.46	30.11.09	23.59	
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
		03.11.09	16.13	04.11.09	15.18	Stopped as liquid fuel generation not required by SLDC
		12.11.09	06.32	14.11.09	00.02	
		14.11.09	05.58	15.11.09	22.05	
		16.11.09	12.05	23.11.09	00.05	
		23.11.09	14.35	30.11.09	11.50	
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 hot well 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
		04.11.09	19.50	04.11.09	21.20	Due to tripping of GT-I & II
		09.11.09	22.25	10.11.09	02.46	Due to choke of suction strainer of both BFPs.
		10.11.09	09.11	10.11.09	11.50	Low Vacuum
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.

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG2	**34**	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.
		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
		05.11.09	14.05	05.11.09	15.32	Tripped due to tripping of GT# 3
		05.11.09	17.31	05.11.09	19.55	Stopped to attend leakages
		06.11.09	17.02	06.11.09	18.50	To clean suction strainer of CEP
		07.11.09	17.01	07.11.09	20.10	Stopped to attend leakages
		14.11.09	00.57	14.11.09	07.40	Heavy leakage from flange of SRV
		21.11.09	05.17	21.11.09	21.45	Due to failure of fuse of Power Distribution Module
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

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG3	34	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
		02.11.09	11.57	03.11.09	00.10	To attend leakages and Condenser back washing
		10.11.09	23.28	11.11.09	00.20	Low Vacuum
		11.11.09	17.01	11.11.09	23.40	To attend leakages
		12.11.09	00.45	12.11.09	23.50	Exhaust Temperature High
		24.11.09	12.55	30.11.09	23.59	Stopped for Condenser cleaning

(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
		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	12.00	
		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	11.10.09	15.00	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
		04.11.09	08.55	04.11.09	15.48	
		04.11.09	19.50	04.11.09	20.35	
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.

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
2	**104**	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
		04.11.09	19.50	04.11.09	20.58	Tripped due to tripping of associated transmission lines
		16.11.09	18.14	16.11.09	19.30	
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

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
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
		22.10.09	21.48	28.12.09	05.16	Annual maintenance
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
		30.10.09	11.15	30.10.09	13.04	Auxiliary supply falled
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
		16.11.09	14.58	17.11.09	09.54	Shut-down
		29.11.09	06.43	29.11.09	23.32	Boiler Tube leakage
5	210	07.08.09	17.43	07.08.09	19.40	Furnace Protection.
		18.11.09	00.50	19.11.09	10.38	Boiler Tube Leakage

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 NOVEMBER 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	18:46:49	12	45	163	148	547	915	1476	2020	544	2391	0	2391
2	19:02:22	12	49	173	185	528	947	1620	2031	411	2567	52	2619
3	18:34:20	0	47	152	314	523	1036	1824	2114	290	2860	0	2860
4	18:12:17	4	47	181	311	431	974	1894	1925	31	2868	0	2868
5	18:30:58	4	45	138	309	524	1020	1875	1971	96	2895	0	2895
6	18:31:37	0	49	142	309	485	985	1931	1858	-73	2916	0	2916
7	18:26:53	0	49	155	313	523	1040	1751	1937	186	2791	0	2791
8	18:33:36	0	48	176	313	505	1042	1603	1981	378	2645	0	2645
9	18:17:05	17	44	122	305	476	964	1879	1968	89	2843	0	2843
10	18:19:58	22	47	204	312	518	1103	1788	1944	156	2891	0	2891
11	18:31:40	0	47	116	316	511	990	1811	1939	128	2801	7	2808
12	18:37:02	0	0	115	319	503	937	1853	1847	-6	2790	0	2790
13	18:27:28	0	45	150	308	496	999	1806	1925	119	2805	0	2805
14	18:37:09	0	45	151	297	494	987	1720	2004	284	2707	42	2749
15	19:03:03	0	31	148	305	475	959	1586	1981	395	2545	20	2565
16	18:04:21	0	47	148	311	298	804	1983	1838	-145	2787	9	2796
17	18:02:11	0	46	142	314	495	997	1767	1761	-6	2764	15	2779
18	18:04:07	0	46	162	307	375	890	1930	1824	-106	2820	28	2848
19	18:30	0	45	176	308	419	948	1792	1898	106	2740	42	2782
20	19:37:12	0	44	179	308	516	1047	1731	1731	0	2778	27	2805
21	18:24:44	0	45	147	310	493	995	1706	1815	109	2701	40	2741
22	09:57:50	0	44	153	312	551	1060	1553	1580	27	2613	20	2633
23	18:27:14	5	45	152	314	507	1023	1723	1904	181	2746	36	2782
24	18:02:39	0	46	141	319	514	1020	1766	1918	152	2786	28	2814
25	18:35:38	0	45	152	312	505	1014	1775	1978	203	2789	40	2829
26	18:02:02	7	48	152	313	503	1023	1774	1920	146	2797	14	2811
27	18:17:02	0	47	149	318	515	1029	1836	1895	59	2865	22	2887
28	10:03:40	7	45	149	315	515	1031	1665	1567	-98	2696	0	2696
29	10:35:13	0	46	148	310	301	805	1886	1595	-291	2691	0	2691
30	10:02:56	0	66	152	315	487	1020	1724	1686	-38	2744	0	2744

7 POWER AVAILABILITY- DEMAND POSITION AT THE TIME OF MAXIMUM UNRESTRICTED DEMAND DURING NOVEMBER 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	18:46:49	12	45	163	148	547	915	1476	2020	544	2391	0	2391
2	19:02:22	12	49	173	185	528	947	1620	2031	411	2567	52	2619
3	18:34:20	0	47	152	314	523	1036	1824	2114	290	2860	0	2860
4	18:12:17	4	47	181	311	431	974	1894	1925	31	2868	0	2868
5	18:30:58	4	45	138	309	524	1020	1875	1971	96	2895	0	2895
6	18:31:37	0	49	142	309	485	985	1931	1858	-73	2916	0	2916
7	18:26:53	0	49	155	313	523	1040	1751	1937	186	2791	0	2791
8	18:33:36	0	48	176	313	505	1042	1603	1981	378	2645	0	2645
9	18:17:05	17	44	122	305	476	964	1879	1968	89	2843	0	2843
10	18:19:58	22	47	204	312	518	1103	1788	1944	156	2891	0	2891
11	18:31:40	0	47	116	316	511	990	1811	1939	128	2801	7	2808
12	18:37:02	0	0	115	319	503	937	1853	1847	-6	2790	0	2790
13	18:27:28	0	45	150	308	496	999	1806	1925	119	2805	0	2805
14	18:37:09	0	45	151	297	494	987	1720	2004	284	2707	42	2749
15	19:03:03	0	31	148	305	475	959	1586	1981	395	2545	20	2565
16	18:04:21	0	47	148	311	298	804	1983	1838	-145	2787	9	2796
17	18:02:11	0	46	142	314	495	997	1767	1761	-6	2764	15	2779
18	18:04:07	0	46	162	307	375	890	1930	1824	-106	2820	28	2848
19	18:30	0	45	176	308	419	948	1792	1898	106	2740	42	2782
20	19:37:12	0	44	179	308	516	1047	1731	1731	0	2778	27	2805
21	18:24:44	0	45	147	310	493	995	1706	1815	109	2701	40	2741
22	09:57:50	0	44	153	312	551	1060	1553	1580	27	2613	20	2633
23	18:27:14	5	45	152	314	507	1023	1723	1904	181	2746	36	2782
24	18:02:39	0	46	141	319	514	1020	1766	1918	152	2786	28	2814
25	18:35:38	0	45	152	312	505	1014	1775	1978	203	2789	40	2829
26	18:02:02	7	48	152	313	503	1023	1774	1920	146	2797	14	2811
27	18:17:02	0	47	149	318	515	1029	1836	1895	59	2865	22	2887
28	10:03:40	7	45	149	315	515	1031	1665	1567	-98	2696	0	2696
29	10:35:13	0	46	148	310	301	805	1886	1595	-291	2691	0	2691
30	10:02:56	0	66	152	315	487	1020	1724	1686	-38	2744	0	2744

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

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

(I) IP	2.546
(II) 1/3rd HARYANA SHARE	0.465
JHAJJAR SHARE	0.390
(III)NET IP GENERATION	**1.691**
(IV) RPH	35.323
(V) GT+WHRU	116.595
(VI) PRAGATI	217.213
TOTAL (iii+iv+v+vi)	**370.822**
B) AVAILABILITY FROM BTPS	350.240
C) AUXILIARY CONSUMPTION OF GENERATING STNs. EXCLUDING BTPS	17.045
D) NET GENERATION AVAILABLE WITHIN DELHI(A+B-C)	**704.017**

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	2.941	2.812	2.941	2.812
SALAL	12.115	11.587	12.115	11.587
TANAKPUR	4.489	4.295	4.489	4.295
CHAMERA	5.626	5.379	5.626	5.379
CHAMERA-II	8.395	8.030	8.395	8.030
DHAULI GANGA	8.896	8.512	8.896	8.512
SINGRAULI	85.903	82.125	85.903	82.125
URI	9.183	8.780	9.183	8.780
ANTA (GAS)	20.258	19.375	20.258	19.375
ANTA (LIQUID)	2.979	2.847	0.000	0.000
ANTA (RLNG)	3.708	3.536	0.000	0.000
RIHAND-I	66.049	63.185	66.048	63.184
RIHAND-II	93.224	89.160	93.216	89.152
AURAIYA (GAS)	32.347	30.937	32.347	30.937
AURAIYA (LIQUID)	12.896	12.334	0.000	0.000
AURAIYA (RLNG)	0.000	0.000	0.000	0.000
DADRI(GT) (GAS)	40.938	39.153	40.200	38.448
DADRI(GT) (LIQUID)	12.190	11.655	0.000	0.000
DADRI(GT) (RLNG)	0.000	0.000	0.000	0.000
UNCHAHAR-I	10.640	10.169	9.139	8.737
UNCHAHAR-III	21.338	20.408	18.997	18.174
DADRI(TH)	519.186	496.522	488.164	466.891
UNCHAHAR-II	32.946	31.508	28.725	27.478
NAPP	0.744	0.714	0.744	0.714
RAPP-B#4	0.587	0.561	0.587	0.561
RAPP-B#3	0.510	0.487	0.508	0.486
TO ORISSA	-0.834	-0.858	-0.858	-0.896
WEST BENGAL	0.690	0.672	0.672	0.641
DVC (ER)	29.215	28.428	28.428	27.192

NAME OF THE STATION	AVAILABILITY AT POWER PLANT	AVAILABILITY AT DELHI PERIPHERY	ALLOCATION MADE BY NRLDC AT POWER PLANT	ALLOCATION MADE BY NRLDC AT DELHI PERIPHERY
CHATTISHGARH (ER)	23.750	23.029	21.831	20.877
CHATTISHGARH (WR)	5.500	5.196	5.196	4.963
UTTAR PRADESH	2.242	2.145	2.242	2.145
KARNATAKA	7.140	6.779	6.328	6.040
PUNJAB	12.339	11.028	11.028	10.554
TO MADHYA PRADESH	-71.383	-75.565	-75.565	-78.919
TO RAJASHTAN	-6.785	-7.092	-6.785	-7.092
TO UTTAR PRADESH	-4.321	-4.531	-4.321	-4.531
MEGHALAYA	3.000	2.908	2.831	2.708
TO HIMACHAL PRADESH	-35.512	-37.134	-35.512	-37.134
TO UTTRANCHAL	-22.553	-23.640	-22.553	-23.640
SIKKIM	8.840	8.602	8.602	8.210
TO POWER EXCHANGE (IEX)	-10.389	-10.883	-10.389	-10.883
POWER EXCHANGE (IEX)	12.501	11.929	12.501	11.929
TO POWER EXCHANGE - PX	0.000	0.000	0.000	0.000
NATHPA JHAKHRI	32.221	30.824	32.221	30.824
DULASTI	17.503	16.741	17.503	16.741
TEHRI	15.351	14.680	15.351	14.680
KHELGAON -II	28.276	27.517	26.535	25.377
TALA	6.622	6.412	6.412	6.114
FRAKKA	13.717	13.292	11.812	11.260
KHELGAON	28.319	27.409	25.174	23.994
TALCHER	0.000	0.000	0.000	0.000
TOTAL SCHEDULE FROM THE GRID	1103.535	1041.960	1015.163	956.808

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	954.600	912.914	882.995	844.500
NTPC -ER	70.312	68.217	63.521	60.632
NHPC	69.148	66.136	69.148	66.136
NPC	1.840	1.762	1.839	1.760
WEST BENGAL	0.690	0.672	0.672	0.641
CHATTISHGARH (WR)	5.500	5.196	5.196	4.963
UTTAR PRADESH	2.242	2.145	2.242	2.145
PUNJAB	12.339	11.028	11.028	10.554
KARNATAKA	7.140	6.779	6.328	6.040
DVC (ER)	29.215	28.428	28.428	27.192
SIKKIM	8.840	8.602	8.602	8.210
MEGHALAYA	3.000	2.908	2.831	2.708
CHATTISHGARH (ER)	23.750	23.029	21.831	20.877
POWER EXCHANGE (IEX)	12.501	11.929	12.501	11.929
NATHPA JHAKHRI	32.221	30.824	32.221	30.824
TEHRI	15.351	14.680	15.351	14.680
TALA	6.622	6.412	6.412	6.114
TALCHER	0.000	0.000	0.000	0.000
POWER EXCHANGE - PX	0.000	0.000	0.000	0.000
TOTAL SCHEDULE FROM THE GRID	1255.311	1201.663	1171.146	1119.903

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 ORISSA	*-0.834*	*-0.858*	*-0.858*	*-0.896*
TO UTTAR PRADESH	*-4.321*	*-4.531*	*-4.321*	*-4.531*
TO HIMACHAL PRADESH	*-35.512*	*-37.134*	*-35.512*	*-37.134*
TO MADHYA PRADESH	*-71.383*	*-75.565*	*-75.565*	*-78.919*
TO UTTRANCHAL	*-22.553*	*-23.640*	*-22.553*	*-23.640*
TO RAJASHTAN	*-6.785*	*-7.092*	*-6.785*	*-7.092*
TO POWER EXCHANGE (IEX)	*-10.389*	*-10.883*	*-10.389*	*-10.883*
TOTAL	*-151.776*	*-159.703*	*-155.983*	*-163.095*
(G) TOTAL SCHEDULED DRAWL FROM THE GRID (G=Fa+Fb+Fc)	*1103.535*	*1041.960*	*1015.163*	*956.808*
TOTAL CONSUMPTION INCLUDING AUX. OF GENERATING STNs. EXCLUDING BTPS				1484.907
NET CONSUMPTION				1467.862
AVAILABILITY WITHIN DELHI				704.017
ACTUAL DRAWAL FROM THE GRID				763.845
OVER DRAWAL(+)/UNDER DRAWAL(-) FROM THE GRID ON THE BASIS OF SCHEDULED ALLOCATION MADE BY NRLDC TO DELHI AT PERIPHERY				-192.963
LOAD SHEDDING				5.075
UNRESTRICTED DEMAND (GROSS)				1489.982
UNRESTRICTED DEMAND (NET)				1472.937
MAX. NET CONSUMPTION				51.746 Mus. ON 06.11.2009
MAX. LOAD SHEDDING				155 MW ON 23.11.2009 AT 15.30HRS.
PEAK LOAD DAY PEAK EVENING PEAK	Peak Demand during the month 2783MW AT 10:30:00HRS ON 27.11.2009 2916MW AT 18.37.37HRS ON 06.11.2009			SHEDDING AT PEAK TIME 02MW NIL
P.L.F. OF GENCO AND PRAGATI STNs.	IP RPH GT PRAGATI			1.43% 36.34% 59.98% 91.42%

9 SHEDDING DETAILS DURING THE MONTH OF NOVEMBER 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-Nov-09	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
02-Nov-09	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
03-Nov-09	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
04-Nov-09	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
05-Nov-09	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
06-Nov-09	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
07-Nov-09	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
08-Nov-09	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
09-Nov-09	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
10-Nov-09	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
11-Nov-09	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
12-Nov-09	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
13-Nov-09	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
14-Nov-09	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
15-Nov-09	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
16-Nov-09	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
17-Nov-09	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
18-Nov-09	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
19-Nov-09	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
20-Nov-09	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
21-Nov-09	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
22-Nov-09	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
23-Nov-09	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
24-Nov-09	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
25-Nov-09	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
26-Nov-09	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
27-Nov-09	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
28-Nov-09	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
29-Nov-09	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
30-Nov-09	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
TOTAL	**0**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**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-Nov-09	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
02-Nov-09	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
03-Nov-09	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
04-Nov-09	0.000	0.000	0.000	0.000	0.000	0.000	0.006	0.000	0.000	0.002	0.000
05-Nov-09	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
06-Nov-09	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
07-Nov-09	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.022	0.000	0.000	0.000
08-Nov-09	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
09-Nov-09	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.000	0.000
10-Nov-09	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	0.000	0.000
11-Nov-09	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12-Nov-09	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.005	0.000	0.000
13-Nov-09	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.025	0.000	0.000
14-Nov-09	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15-Nov-09	0.000	0.000	0.000	0.000	0.000	0.000	0.057	0.000	0.000	0.000	0.000
16-Nov-09	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.027	0.000	0.000
17-Nov-09	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
18-Nov-09	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
19-Nov-09	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.000	0.000
20-Nov-09	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
21-Nov-09	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22-Nov-09	0.000	0.000	0.000	0.000	0.000	0.000	0.012	0.000	0.021	0.000	0.006
23-Nov-09	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.000	0.049	0.000	0.000
24-Nov-09	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	0.006	0.000	0.000
25-Nov-09	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.000	0.000
26-Nov-09	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27-Nov-09	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
28-Nov-09	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
29-Nov-09	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30-Nov-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**	**0.000**	**0.079**	**0.023**	**0.140**	**0.002**	**0.006**

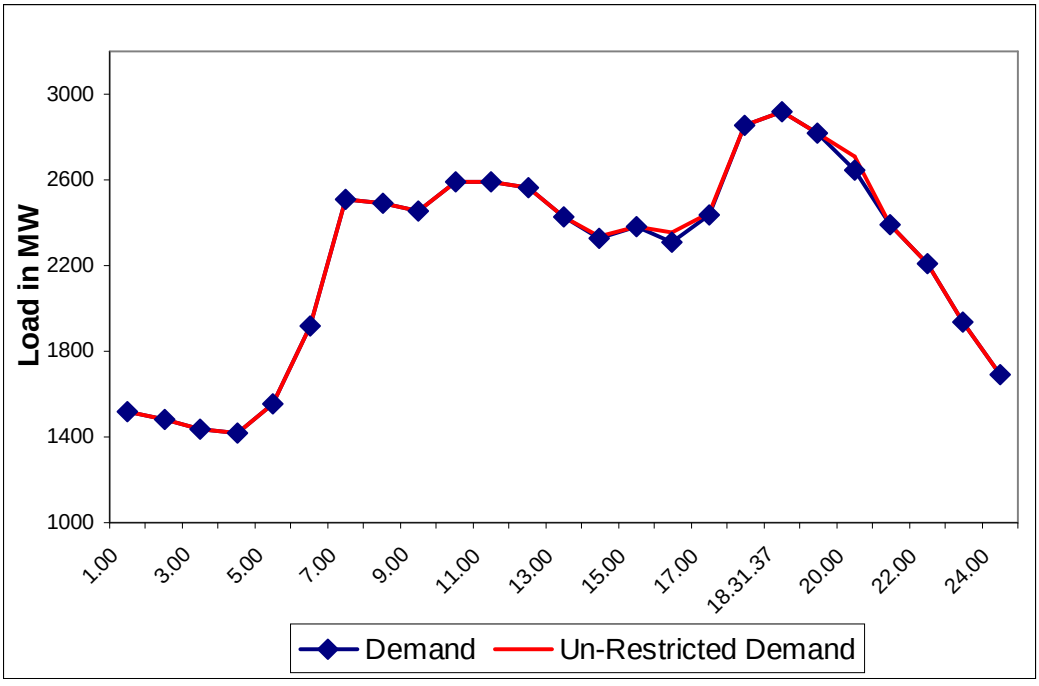
DATE	DUE TO T&D CONTRAINTS			OTHER AGENCIES LIKE GENCO, BBMB, BTPS ETC.	THEFT PRONE SHEDDING			TOTAL SHEDDING DUE TO T&D CONSTS. & THEFT PRONE	GRAND TOTAL
	DISCOMS								
	BSES		NDPL		BSES		NDPL		
	BYPL	BRPL			BYPL	BRPL			
1	23	24	25	2+	27	28	29	30=18 to29	31=30+17
01-Nov-09	0.024	0.008	0.000	0.000	0.000	0.000	0.132	**0.164**	**0.164**
02-Nov-09	0.000	0.062	0.000	0.000	0.000	0.000	0.154	**0.216**	**0.216**
03-Nov-09	0.001	0.000	0.000	0.000	0.000	0.000	0.151	**0.152**	**0.152**
04-Nov-09	0.000	0.037	0.000	0.017	0.000	0.000	0.155	**0.217**	**0.217**
05-Nov-09	0.012	0.019	0.001	0.000	0.000	0.000	0.154	**0.186**	**0.186**
06-Nov-09	0.000	0.012	0.000	0.000	0.000	0.000	0.138	**0.150**	**0.150**
07-Nov-09	0.028	0.000	0.025	0.000	0.000	0.000	0.141	**0.216**	**0.216**
08-Nov-09	0.011	0.000	0.007	0.000	0.000	0.000	0.139	**0.157**	**0.157**
09-Nov-09	0.000	0.000	0.000	0.000	0.000	0.000	0.136	**0.138**	**0.138**
10-Nov-09	0.007	0.000	0.001	0.000	0.000	0.000	0.137	**0.146**	**0.146**
11-Nov-09	0.000	0.000	0.006	0.000	0.000	0.000	0.126	**0.132**	**0.132**
12-Nov-09	0.004	0.012	0.007	0.000	0.000	0.000	0.151	**0.179**	**0.179**
13-Nov-09	0.000	0.000	0.000	0.000	0.000	0.000	0.143	**0.168**	**0.168**
14-Nov-09	0.000	0.000	0.000	0.000	0.000	0.000	0.061	**0.061**	**0.061**
15-Nov-09	0.000	0.005	0.000	0.000	0.000	0.000	0.144	**0.206**	**0.206**
16-Nov-09	0.000	0.009	0.003	0.000	0.000	0.000	0.157	**0.196**	**0.196**
17-Nov-09	0.000	0.009	0.000	0.000	0.000	0.000	0.133	**0.142**	**0.142**
18-Nov-09	0.000	0.000	0.014	0.000	0.000	0.000	0.144	**0.158**	**0.158**
19-Nov-09	0.004	0.046	0.000	0.000	0.000	0.000	0.145	**0.198**	**0.198**
20-Nov-09	0.000	0.000	0.004	0.000	0.000	0.000	0.152	**0.156**	**0.156**
21-Nov-09	0.000	0.065	0.002	0.003	0.000	0.000	0.133	**0.203**	**0.203**
22-Nov-09	0.000	0.006	0.050	0.000	0.000	0.000	0.136	**0.231**	**0.231**
23-Nov-09	0.006	0.000	0.003	0.000	0.000	0.000	0.147	**0.208**	**0.208**
24-Nov-09	0.000	0.000	0.017	0.000	0.000	0.000	0.156	**0.180**	**0.180**
25-Nov-09	0.000	0.000	0.000	0.000	0.000	0.000	0.155	**0.157**	**0.157**
26-Nov-09	0.000	0.033	0.000	0.000	0.000	0.000	0.137	**0.170**	**0.170**
27-Nov-09	0.000	0.000	0.020	0.000	0.000	0.000	0.147	**0.167**	**0.167**
28-Nov-09	0.000	0.000	0.001	0.000	0.000	0.000	0.141	**0.142**	**0.142**
29-Nov-09	0.000	0.006	0.000	0.000	0.000	0.000	0.136	**0.142**	**0.142**
30-Nov-09	0.000	0.000	0.000	0.000	0.000	0.000	0.137	**0.137**	**0.137**
TOTAL	**0.097**	**0.329**	**0.161**	0.020	**0.000**	**0.000**	**4.218**	**5.075**	**5.075**

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-Nov-09	46.922	2391	18:46:49	0	**2391**	**2391**	18.46.49	2391	0
02-Nov-09	48.787	2567	19:02:22	52	**2619**	**2619**	19:02:22	2567	52
03-Nov-09	51.073	2860	18:34:20	0	**2860**	**2860**	18:34:20	2860	0
04-Nov-09	51.187	2868	18:12:17	0	**2868**	**2868**	18:12:17	2868	0
05-Nov-09	51.117	2895	18:30:58	0	**2895**	**2895**	18:30:58	2895	0
06-Nov-09	51.746	2916	18:31:37	0	**2916**	**2916**	18:31:37	2916	0
07-Nov-09	49.736	2791	18:26:53	0	**2791**	**2791**	18:26:53	2791	0
08-Nov-09	47.250	2645	18:33:36	0	**2645**	**2645**	18:33:36	2645	0
09-Nov-09	50.147	2843	18:17:05	0	**2843**	**2843**	18:17:05	2843	0
10-Nov-09	50.816	2891	18:19:58	0	**2891**	**2891**	18:19:58	2891	0
11-Nov-09	49.414	2801	18:31:40	7	**2808**	**2808**	18:31:40	2801	7
12-Nov-09	50.253	2790	18:37:02	0	**2790**	**2790**	18:37:02	2790	0
13-Nov-09	48.874	2805	18:27:28	0	**2805**	**2805**	18:27:28	2805	0
14-Nov-09	49.129	2707	18:37:09	42	**2749**	**2749**	18:37:09	2707	42
15-Nov-09	46.604	2545	19:03:03	20	**2565**	**2565**	19:03:03	2545	20
16-Nov-09	48.877	2787	18:04:21	9	**2796**	**2796**	18:04:21	2787	9
17-Nov-09	48.414	2764	18:02:11	15	**2779**	**2779**	18:02:11	2764	15
18-Nov-09	48.921	2820	18:04:07	28	**2848**	**2848**	18:04:07	2820	28
19-Nov-09	48.670	2740	18:30	42	**2782**	**2782**	18:30	2740	42
20-Nov-09	49.155	2778	19:37:12	27	**2805**	**2805**	19:37:12	2778	27
21-Nov-09	47.826	2701	18:24:44	40	**2741**	**2741**	18:24:44	2701	40
22-Nov-09	45.971	2613	09:57:50	20	**2633**	**2633**	09:57:50	2613	20
23-Nov-09	48.105	2746	18:27:14	36	**2782**	**2782**	18:27:14	2746	36
24-Nov-09	47.958	2786	18:02:39	28	**2814**	**2814**	18:02:39	2786	28
25-Nov-09	49.488	2789	18:35:38	40	**2829**	**2829**	18:35:38	2789	40
26-Nov-09	50.228	2797	18:02:02	14	**2811**	**2811**	18:02:02	2797	14
27-Nov-09	50.640	2865	18:17:02	22	**2887**	**2887**	18:17:02	2865	22
28-Nov-09	47.407	2696	10:03:40	0	**2696**	**2696**	10:03:40	2696	0
29-Nov-09	44.586	2691	10:35:13	0	**2691**	**2691**	10:35:13	2691	0
30-Nov-09	48.561	2744	10:02:56	0	**2744**	**2744**	10:02:56	2744	0
TOTAL	**1467.862**	**2916**			**2916**	**2916**			

10 LOAD PATTERN OF DELHI ON THE DAY OF PEAK DEMAND MET DURING NOVEMBER 2009 ON 06.11.2009 – 2916 MW at 18:31:37 HRS.

All figures in MW

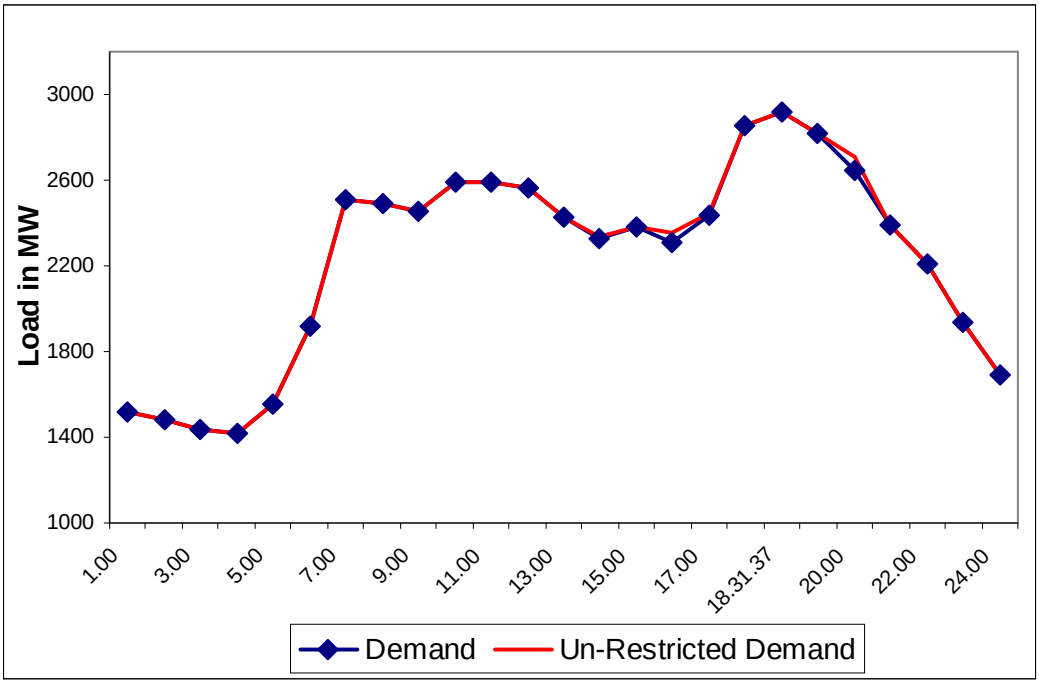
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	1522	0	1522
2.00	1478	0	1478
3.00	1435	0	1435
4.00	1420	0	1420
5.00	1552	0	1552
6.00	1917	0	1917
7.00	2510	0	2510
8.00	2490	0	2490
9.00	2457	0	2457
10.00	2592	0	2592
11.00	2594	1	2595
12.00	2568	0	2568
13.00	2424	0	2424
14.00	2326	7	2333
15.00	2383	0	2383
16.00	2311	46	2357
17.00	2437	9	2446
18.00	2851	6	2857
18.31.37	**2916**	0	2916
19.00	2815	0	2815
20.00	2650	58	2708
21.00	2387	7	2394
22.00	2209	0	2209
23.00	1933	0	1933
24.00	1693	0	1693
ENERGY IN Mus	51.746	0.150	51.896



11 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UN-RESTRICTED DEMAND DURING NOVEMBER 2009 – 06.11.2009 – 2916MW at 18:31:37hrs.

All figures in MW

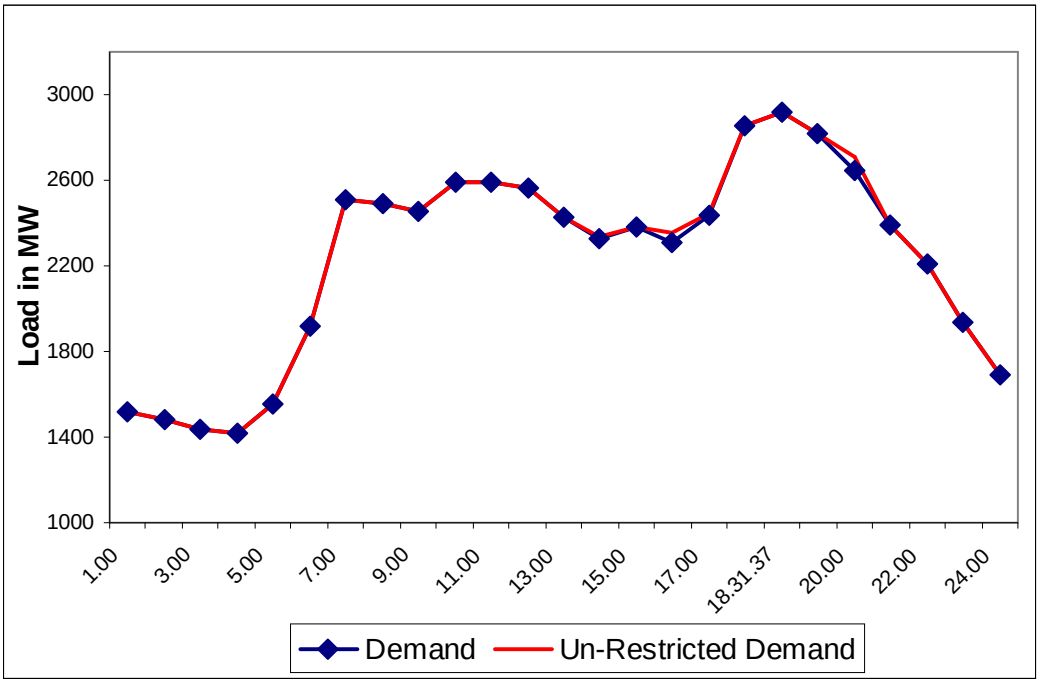
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	1522	0	1522
2.00	1478	0	1478
3.00	1435	0	1435
4.00	1420	0	1420
5.00	1552	0	1552
6.00	1917	0	1917
7.00	2510	0	2510
8.00	2490	0	2490
9.00	2457	0	2457
10.00	2592	0	2592
11.00	2594	1	2595
12.00	2568	0	2568
13.00	2424	0	2424
14.00	2326	7	2333
15.00	2383	0	2383
16.00	2311	46	2357
17.00	2437	9	2446
18.00	2851	6	2857
18.31.37	2916	0	**2916**
19.00	2815	0	2815
20.00	2650	58	2708
21.00	2387	7	2394
22.00	2209	0	2209
23.00	1933	0	1933
24.00	1693	0	1693
ENERGY IN Mus	51.746	0.150	51.896



12 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM ENERGY CONSUMED DURING NOVEMBER 2009 – 06.11.2009 – 51.746 Mus

All figures in MW

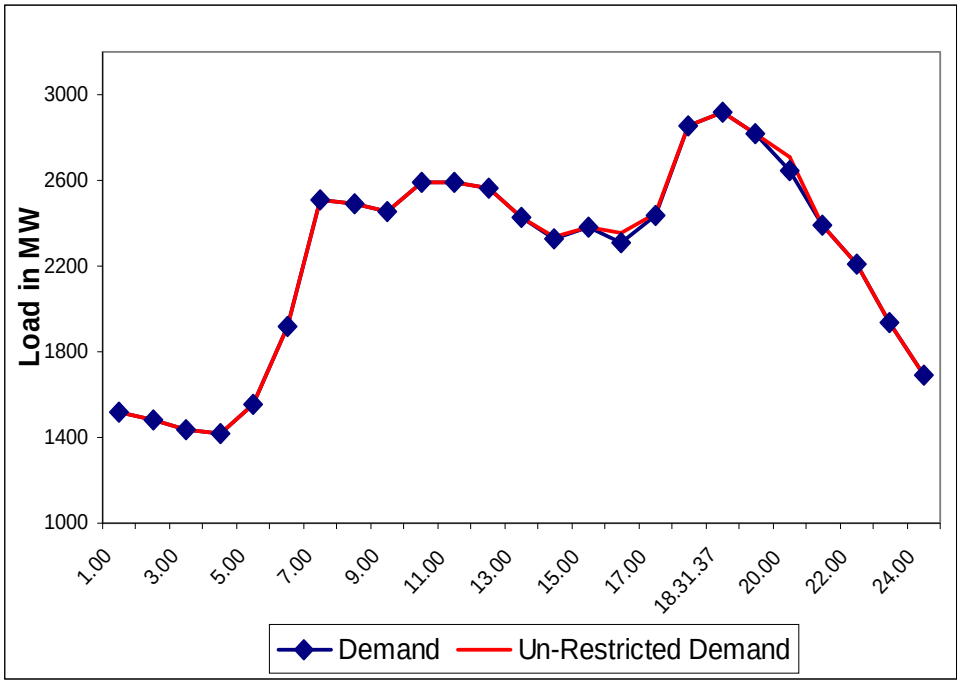
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	1522	0	1522
2.00	1478	0	1478
3.00	1435	0	1435
4.00	1420	0	1420
5.00	1552	0	1552
6.00	1917	0	1917
7.00	2510	0	2510
8.00	2490	0	2490
9.00	2457	0	2457
10.00	2592	0	2592
11.00	2594	1	2595
12.00	2568	0	2568
13.00	2424	0	2424
14.00	2326	7	2333
15.00	2383	0	2383
16.00	2311	46	2357
17.00	2437	9	2446
18.00	2851	6	2857
18.31.37	2916	0	2916
19.00	2815	0	2815
20.00	2650	58	2708
21.00	2387	7	2394
22.00	2209	0	2209
23.00	1933	0	1933
24.00	1693	0	1693
ENERGY IN Mus	**51.746**	0.150	51.896



13 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UNRESTRICTED ENERGY DEMAND DURING NOVEMBER 2009 – 06.11.2009 – 51.896Mus

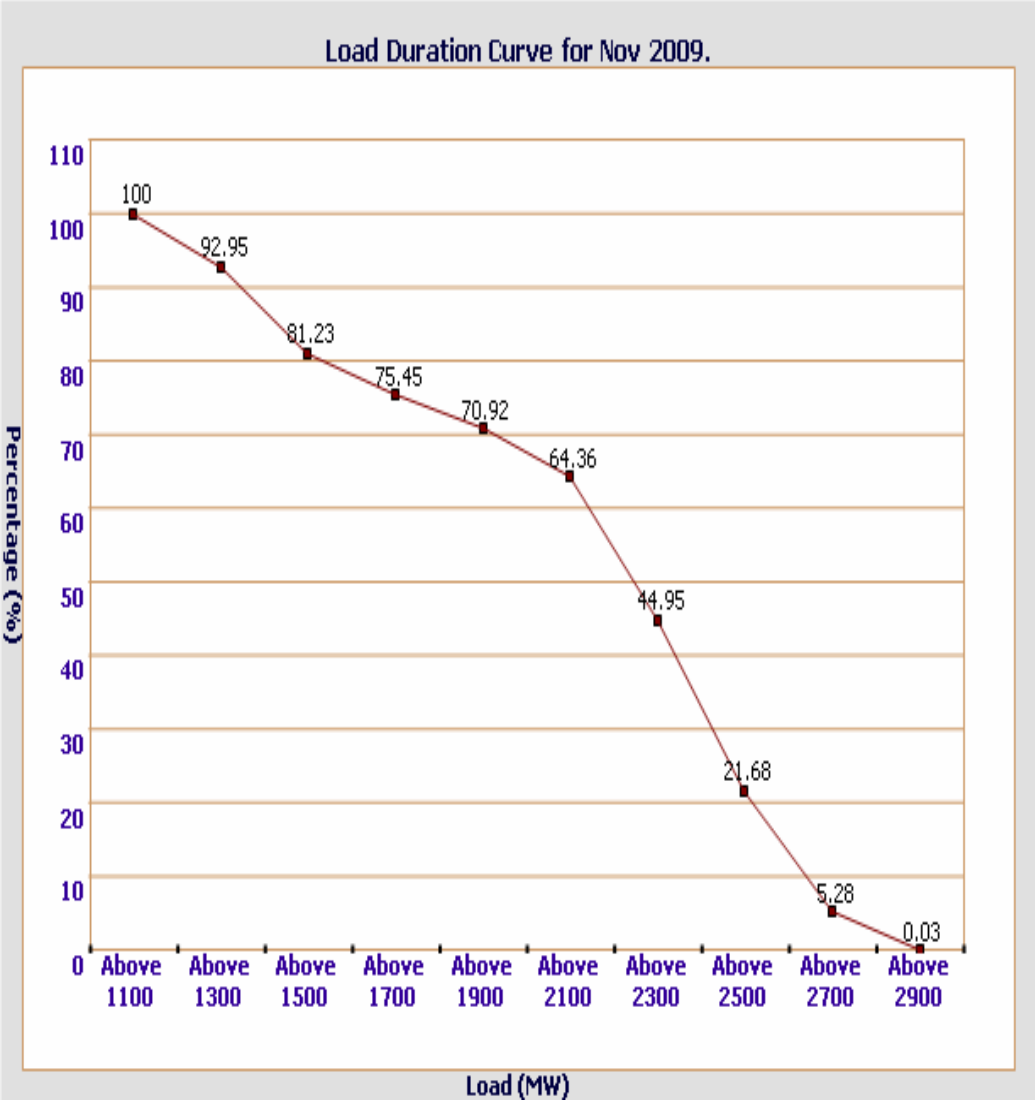
All figures in MW

Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	1522	0	1522
2.00	1478	0	1478
3.00	1435	0	1435
4.00	1420	0	1420
5.00	1552	0	1552
6.00	1917	0	1917
7.00	2510	0	2510
8.00	2490	0	2490
9.00	2457	0	2457
10.00	2592	0	2592
11.00	2594	1	2595
12.00	2568	0	2568
13.00	2424	0	2424
14.00	2326	7	2333
15.00	2383	0	2383
16.00	2311	46	2357
17.00	2437	9	2446
18.00	2851	6	2857
18.31.37	2916	0	2916
19.00	2815	0	2815
20.00	2650	58	2708
21.00	2387	7	2394
22.00	2209	0	2209
23.00	1933	0	1933
24.00	1693	0	1693
ENERGY IN Mus	51.746	0.150	**51.896**



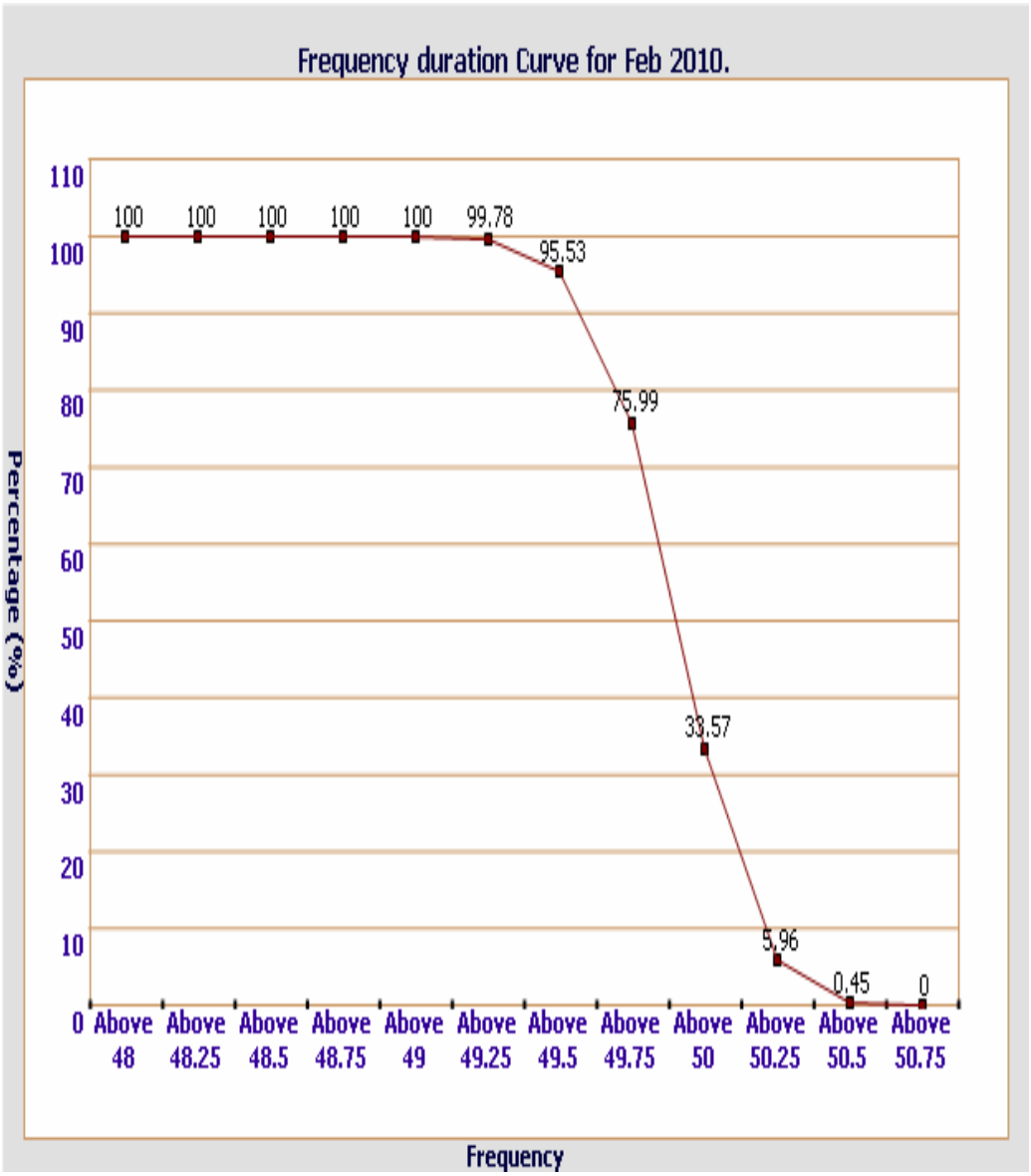
14 LOAD DURATION CURVE FOR NOVEMBER 2009

Load in MW	Percentage of Time
Above 1100	100 %
Above 1300	92.95 %
Above 1500	81.23 %
Above 1700	75.45 %
Above 1900	70.92 %
Above 2100	64.36 %
Above 2300	44.95 %
Above 2500	21.68 %
Above 2700	5.28 %
Above 2900	0.03 %



15 FREQUENCY ANALYSIS FOR THE MONTH OF NOVEMBER 2009

Frequency Range in Hz.	Percentage of time
Above 48.75	100 %
Above 49.00	100 %
Above 49.25	99.78 %
Above 49.50	95.53 %
Above 49.75	75.99 %
Above 50.00	33.57 %
Above 50.25	5.96 %
Above 50.50	0.45 %
Above 50.75	0 %



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

All figures in kV

Date	NARELA		GAZIPUR	
	Max	Min	Max	Min
01-Nov-09	--	--	--	--
02-Nov-09	--	--	--	--
03-Nov-09	--	--	--	--
04-Nov-09	226.08	--	226.99	211.25
05-Nov-09	226321	--	226.21	213.86
06-Nov-09	226.60	210.87	226.73	213.44
07-Nov-09	226.08	212.03	228.02	215.25
08-Nov-09	228.15	213.44	228.53	212.41
09-Nov-09	230.47	212.41	228.79	212.54
10-Nov-09	228.28	216.28	227.37	214.61
11-Nov-09	230.86	216.02	228.28	213.44
12-Nov-09	230.86	216.41	230.21	216.28
13-Nov-09	231.24	213.96	229.44	213.70
14-Nov-09	230.86	213.06	228.92	211.38
15-Nov-09	--	--	--	--
16-Nov-09	229.95	216.02	231.37	210.61
17-Nov-09	231.89	210.61	229.44	214.09
18-Nov-09	231.89	208.29	228.28	213.44
19-Nov-09	230.60	210.74	230.73	213.19
20-Nov-09	229.82	214.09	229.82	211.38
21-Nov-09	226.60	--	228.66	213.44
22-Nov-09	--	--	231.11	213.44
23-Nov-09	230.08	212.67	230.86	212.67
24-Nov-09	231.50	209.58	227.50	209.45
25-Nov-09	230.60	210.09	231.76	209.32
26-Nov-09	232.79	214.48	233.18	215.64
27-Nov-09	--	--	--	--
28-Nov-09	--	--	--	--
29-Nov-09	--	--	--	--
30-Nov-09	233.82	--	232.66	216.02

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

All figures in kV

Date	400kV Bamnauli Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01-Nov-09	--	--	--	--	--
02-Nov-09	--	--	--	--	--
03-Nov-09	--	--	--	--	--
04-Nov-09	415.05	20.50.24	386.44	06.31.03	403.27
05-Nov-09	413.64	02.44.21	392.30	10.25.14	401.67
06-Nov-09	413.64	20.58.24	393.24	06.48.29	404.50
07-Nov-09	416.69	20.59.11	394.88	10.20.58	404.69
08-Nov-09	419.27	20.56.33	388.55	10.14.02	406.96
09-Nov-09	419.03	05.07.40	390.19	09.42.53	410.19
10-Nov-09	416.92	20.56.06	396.05	18.06.37	406.70
11-Nov-09	417.86	20.41.18	391.13	09.25.28	406.39
12-Nov-09	421.38	21.48.21	395.12	09.56.01	407.65
13-Nov-09	420.67	02.17.36	397.93	15.49.40	410.26
14-Nov-09	418.56	21.43.50	386.20	10.08.51	406.21
15-Nov-09	--	--	--	--	--
16-Nov-09	422.55	03.04.02	386.91	06.48.44	408.14
17-Nov-09	419.74	21.27.42	391.60	10.11.43	406.89
18-Nov-09	420.21	21.41.59	390.43	08.31.15	405.98
19-Nov-09	421.85	03.19.04	391.13	08.31.15	406.45
20-Nov-09	420.91	21.50.11	388.08	10.12.00	406.98
21-Nov-09	420.44	03.41.33	391.60	13.49.27	407.05
22-Nov-09	422.08	04.00.40	390.43	12.33.49	409.10
23-Nov-09	422.08	02.37.09	390.19	09.18.05	405.39
24-Nov-09	418.10	03.09.49	385.50	09.48.23	403.80
25-Nov-09	417.86	02.57.33	384.09	09.39.56	402.19
26-Nov-09	419.27	04.15.41	385.27	11.37.51	402.22
27-Nov-09	--	--	--	--	--
28-Nov-09	--	--	--	--	--
29-Nov-09	--	--	--	--	--
30-Nov-09	417.86	01.48.06	386.91	12.20.04	401.67

Date	400kV Bawana Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01-Nov-09	--	--	--	--	--
02-Nov-09	--	--	--	--	--
03-Nov-09	--	--	--	--	--
04-Nov-09	418.56	20.48.54	390.19	06.31.13	407.68
05-Nov-09	418.10	20.55.54	397.46	10.24.54	407.03
06-Nov-09	417.86	20.58.34	397.23	06.47.49	407.90
07-Nov-09	420.21	20.58.51	399.57	10.20.58	409.61
08-Nov-09	422.79	20.56.23	393.47	10.13.52	409.85
09-Nov-09	421.38	05.06.50	394.41	09.42.53	413.55
10-Nov-09	420.21	20.56.16	399.34	18.06.47	410.64
11-Nov-09	420.44	20.54.59	394.65	09.25.57	409.53
12-Nov-09	423.25	21.47.31	399.81	06.29.29	411.12
13-Nov-09	423.02	02.17.36	395.58	09.35.50	409.61
14-Nov-09	420.91	21.43.30	389.72	10.08.41	408.48
15-Nov-09	--	--	--	--	--
16-Nov-09	424.19	03.04.02	389.72	06.48.34	410.60
17-Nov-09	421.38	21.25.12	394.88	10.11.13	409.31
18-Nov-09	422.55	21.41.49	393.47	08.31.05	408.17
19-Nov-09	423.72	03.07.44	393.94	08.31.05	408.56
20-Nov-09	422.79	21.50.21	391.36	10.10.40	408.97
21-Nov-09	421.61	03.41.03	394.41	13.49.47	409.01
22-Nov-09	423.25	04.02.00	392.77	12.33.59	410.95
23-Nov-09	423.02	02.37.29	393.47	09.18.15	407.83
24-Nov-09	419.50	02.34.17	--	10.47.48	408.67
25-Nov-09	419.74	02.57.33	387.38	12.09.54	405.18
26-Nov-09	421.38	04.15.41	388.08	11.38.11	405.08
27-Nov-09	--	--	--	--	--
28-Nov-09	--	--	--	--	--
29-Nov-09	--	--	--	--	--
30-Nov-09	419.27	01.48.06	390.43	12.19.54	404.57

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	01.11.09	14:40	220KV BTPS-SARITA VIHAR CKT-I	01.11.09	15:12	AT SARITA VIHAR CKT TRIPPED ON DIST. PROT. ZONE-2, C-PHASE, 186A&B. AT BTPS CKT TRIPPED ON 67NX, 186A&B
02	01.11.09	17:40	220KV MAHARANI BAGH – SARITA VIHAR CKT	01.11.09	17:59	AT MAHARANI BAGH CKT TRIPPED ON DIST. PROT. ZONE-I. AT SARITA VIHAR CKT TRIPPED ON DIST. PROT. ZONE-I, 3-PAHSE TRIP
03	01.11.09	17:40	220KV PRAGATI – MAHARANI BAGH CKT	01.11.09	17:47	AT MAHARANI BAGH CKT TRIPPED ON DIST. PROT. ZONE-I, E/F. NO TRIPPING AT PRAGATI S/STN
04	01.11.09	20:15	220KV NARELA – PANIAPAT CKT-I	01.11.09	20.45	AT NARELA CKT TRIPPED ON DIST. PROT. ZONE-I, 3-PAHSE TRIP
	02.11.09	12.07	66/11KV 20MVA PR. TR.-II AT PAPPANKALAN-II	02.11.09	14.25	TR. TRIPPED ON O/C, 86, LBB PROTECTION, BACK UP PROTECTION.
05	04.11.09	2:08	400KV BAWANA – ABDULLAPUR CKT-2	04.11.09	02:29	AT BAWANA CKT TRIPPED ON ANZ, BNZ, 85Y, 186A&B
06	04.11.09	13.35	220/33KV 100MVA PR. TR.-II AT PARK STREET	04.11.09	13.38	TR. TRIPPED ON 86 ALONG WITH 33KV I/C-II WHICH TRIPPED ON E/F
07	05.11.09	13.21	220KV WAZIRABAD – GEETA COLONY CKT-I	05.11.09	13.28	CKT. TRIPPED ON RXME18, DIST PROT `RYB' PHASE ZONE-I AT WAZIRABAD AND ON MAIN-I, ACTIVE GROUP-I, DIST PROT `ABC' PHASE ZONE-I, MAIN-II : DIST PROT ABC PHASE ZONE-I, 27RYB, 30E AT GEETA COLONY.
08	05.11.09	13.21	220KV PATPARGANJ – GEETA COLONY CKT-I	05.11.09	13.52	CKT. TRIPPED ON DIST PROT `ABC' PHASE ZONE-II, 186, 186XJ AT PATPARGANJ.
09	07.11.09	15.06	220/33KV 100MVA PR. TR.-IV AT OKHLA	07.11.09	23.34	TR. TRIPPED ON O/C, 51CX, 86, ALONG WITH 33KV I/C-III & IV. 33KV I/C-III TRIPPED ON 88, 51C, O/C AND 33KV I/C-IV TRIPPED ON 86 LV.
10	09.11.09	10:40	400KV BAMNAULI – BALLABH GARH CKT-I	09.11.09	11:02	AT BAMNAULI CKT TRIPPED ON TRIP CKT SUPVN. RELAY, 195A, 195B, 195C, 295ABC
11	09.11.09	12:00	400KV BAMNAULI – BALLABH GARH CKT-I	09.11.09	16:15	AT BAMNAULI CKT TRIPPED ON TRIP CKT SUPVN. RELAY, A/R LOCKOUT, 186A&B
12	12.11.09	16.40	220/66KV 100MVA PR. TR.-II AT NARELA	13.11.09	18.05	TR. TRIPPED ON 87, 86 ALONG WITH 66KV I/C-II WHICH TRIPPED ON INTER TRIPPING.
13	12.11.09	23.06	33/11KV 16MVA PR. TR.-II AT SUBZI MANDI	13.11.09	04.02	TR. TRIPPED ON DIFFERENTIA ALONG WITH 11KV I/C-II WHICH TRIPPED WITHOUT INDICATION.
14	13.11.09	13.40	220KV GOPALPUR – SUBZI MANDI CKT-I	13.11.09	13.55	CKT. TRIPPED ON DIST PROT `RYB' PHASE ZONE-I AT GOPALPUR. NO TRIPPING AT SUBZI MANDI.
15	15.11.09	15.56	220KV MANDAULA-WAZIRABAD CKT-IV	15.11.09	16.44	AT WAZIRABAD CKT TRIPPED ON DIST. PROT. 3-PHASE TRIP. AT MANDAULA CKT TRIPPED ON DIST. PROT. ZONE-2, 3-PHASE TRIP
16	15.11.09	15.41	220KV WAZIRABAD – KASHMIRI GATE CKT-II	15.11.09	16.56	CKT. TRIPPED WITHOUT INDICATION AT WAZIRABAD.
17	15.11.09	15.41	220KV WAZIRABAD – GEETA COLONY CKT-II	15.11.09	17.05	CKT. TRIPPED ON DIST PROT ZONE-I AT WAZIRABAD AND ON DIST PROT ZONE-II AT GEETA COLONY

SLNO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
18	15.11.09	15.41	220/66KV 100MVA PR. TR.-I, II & III AT WAZIRABAD	15.11.09	16.07	TR.-I, II 7& III TRIPPED WITHOUT INDICATION.
19	16.11.09	23.07	220KV SARITA VIHAR – BTPS CKT-II	17.11.09	00.07	AT SARITA VIHAR CKT TRIPPED ON DIST. PROT. ZONE-2, A-Φ, 186. AT BTPS CKT TRIPPED ON 67NX, 186A&B
20	19.11.09	07.00	220/66KV 100MVA PR. TR. AT GOPALPUR	19.11.09	12.07	TR. TRIPPED ON OLTC BUCHLOZ, 86
21	20.11.09	19.33	220KV SARITA VIHAR – BTPS CKT-I	20.11.09	22.57	AT SARITA VIHAR CKT TRIPPED ON POLE DISCREPANCY. NO TRIPPING AT BTPS
22	20.11.09	23.25	220KV SARITA VIHAR – BTPS CKT-I	21.11.09	01.00	AT SARITA VIHAR CKT TRIPPED ON POLE DISCREPANCY. NO TRIPPING AT BTPS
23	22.11.09	08.02	66/11KV 30MVA PR. TR.-I AT PARK STREET	22.11.09	13.55	TR. TRIPPED ON 86, 95, SUPERVISION RELAY, BUCHLOZ,
24	22.11.09	09.24	220/66KV 100MVA PR. TR. AT BAWANA	22.11.09	11.00	TR. TRIPPED ON 30A, 86A ALONG WITH ITS 66KV I/C WHICH TRIPPED WITHOUT INDICATION.
25	22.11.09	10.42	220KV BAMNAULI – NARAINA CKT-I & II	22.11.09	11.10	220KV BUS BAR PROTECTION OPERATED AT NARAINA
26	22.11.09	15.35	66/11KV 20MVA PR. TR.-II AT PAPPANKALAN-II	23.11.09	00.27	TR. TRIPPED ON LBB PROTECTION, BACK UP PROTECTION, MASTER RELAY.
27	23.11.09	15.19	220KV MANDAULA – GOPALPUR CKT-I	23.11.09	15.58	AT GOPALPUR CKT TRIPPED ON SPS, 85LO, 186A&B. NO TRIPPING AT MANDAULA
28	23.11.09	15.19	220KV MANDAULA – GOPALPUR CKT-II	23.11.09	15.58	AT GOPALPUR CKT TRIPPED ON SPS, 85LO, 186A&B. NO TRIPPING AT MANDAULA
29	23.11.09	15.25	220KV NARELA-MANDAULA CKT-I	23.11.09	16.15	AT GOPALPUR CKT TRIPPED ON SPS, 85LO, 186A&B. NO TRIPPING AT MANDAULA
30	23.11.09	15.25	220KV NARELA-MANDAULA CKT-II	23.11.09	16.15	AT GOPALPUR CKT TRIPPED ON SPS, 85LO, 186A&B. NO TRIPPING AT MANDAULA
31	24.11.09	13.51	220KV MANDAULA – GOPALPUR CKT -I	25.11.09	16.40	AT MANDAULA CKT TRIPPED ON DIST. PROT. ZONE-2, B-PAHSE, 186. NO TRIPPING AT GOPALPUR. B-PHASE LA DAMAGED.
32	24.11.09	13.51	220KV MANDAULA – WAZIRABAD CKT -IV	24.11.09	14.59	AT GOPALPUR CKT TRIPPED ON DIST. PROT. ZONE-I, 3-PHASE TRIP
33	24.11.09	22.58	220/33KV 100MVA PR. TR.-II AT LODHI ROAD	25.11.09	02.36	TR. TRIPPED ON LBB PROTECTION, TRANSFORMER TROUBLE ALARM, BUCHLOZ 30A, 86A
34	25.11.09	15.04	33/11KV 16MVA PR. TR. AT SUBZI MANDI	25.11.09	15.32	TR. TRIPPED ON 86, 51RYB.
35	27.11.09	15.51	220KV PATPARGANJ – IP CKT-I	25.11.09	16.43	CKT. TRIPPED ON DIST PROT `ABC' PHASE ZONE-I, 86X AT PATPARGANJ AND ON DIST PROT ALL PHASE ZONE-I, 186 AT IP STATION.

21 DETAILS OF UNDERFREQUENCY TRIPPINGS

No Under Frequency Relay Operation in the month of November 2009.