DELHI TRANSCO LTD.

STATE LOAD DISPATCH CENTER

PROGRESS REPORT

****

AUGUST - 2011

1 SALIENT FEATURES OF DELHI POWER SYSTEM

Sr. No.	Features	AUGUST 2011	AUGUST 2010
1	**Effective Generation Capacity within Delhi in MW**		
	Rajghat Power House	135	135
	Gas Turbine	270	270
	Pragati Power Corporation Ltd.	330	330
	Badapur Thermal Power Station	705	705
	Rithala GT	73	0
	Total	1513	1440
2	**Maximum Unrestricted Demand (MW)**	**5031**	**4526**
	Date	02.08.11	11.08.2010
	Time	15.07.47	15.27.02
3	**Peak Demand met (MW)**	**5028**	**4424**
	Date	02.08.11	11.08.2010
	Time	15.07.47	15.27.02
4	Peak Availability (MW)	4638	4363
5	Shortage (-) / Surplus (+) in MW	(-) 99	(-)61
6	Percentage Shortage (-) / Surplus (+)	(-) 2.56	(-)1.38
7	Maximum Energy Consume in a day (Mus)	100.742	91.756
8	Energy Consumed during the month	**2670.622**	**2393.296**
9	**Load Shedding in Mus**		
A)	Due to Grid Restrictions		
i)	Under Frequency Relay Operations	0.026	0.091
ii)	Manual Load shedding from DTL S/Stns.	0.000	0.000
iii)	Load Shedding due to low frequency / Low Voltage / TTC/ATC Violation		
	NDPL	0.024	0.989
	BRPL	0.000	0.000
	BYPL	0.000	0.082
	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	**0.050**	**1.162**
B)	Due to Constraints in System in Mus		
	DTL	2.094	2.661
	NDPL	0.386	0.803
	BRPL	0.764	2.360
	BYPL	0.618	0.836
	NDMC	0.001	0.000
	MES	0.000	0.000
	Other Agencies	0.000	0.449
	Total	**3.863**	**7.109**
11	**Grand Total in Mus**	**3.913**	**8.271**

2. PERFORMANCE OF GENERATING STATIONS WITHIN DELHI DURING AUGUST 2011

A) For the month of AUGUST 2011

All Figures in MUs

S. No	Stations	Gross Generation	Aux. Consumption	Net Generation	Availability (%)	Backing Down
1.	**RPH**	70.978	8.841	62.137	69.76	0.711
2.	**GT**	106.466	3.985	102.481	83.17	61.123
3.	**PPCL**	222.130	5.733	216.397	94.94	12.807
4.	**BTPS**	425.926	38.333	387.593	96.53	70.811
5.	**Rithala**	29.334	0.676	28.658	--	--
	TOTAL	**854.834**	**57.568**	**797.266**		

B) For the Year 2011-12 (Upto AUGUST 2011)

Power Station	Effective Capacity (MW)	Net Generation in MUs For AUGUST 2011	Availability (%) For AUGUST 2011	PLF (%) For AUGUST 2011	Cumulative Generation in MUs upto AUGUST 2011 for the year 2011-12	Cumulative Availability in % upto AUGUST 2011 for the year 2011-12	Cumulative PLF in % upto AUGUST 2011 for the year 2011-12
RPH	135	62.137	69.76	68.970	359.827	72.010	71.850
GT	270	102.481	83.17	51.800	528.501	75.770	52.260
PPCL	330	216.397	94.94	89.560	1001.744	88.680	81.410
BTPS	705	387.593	96.53	81.36	1921.591	94.620	**80.820**
Rithala	**73**	28.658	--	--	134.363	--	--
TOTAL	**1513**	**797.266**			**3946.026**		

3 DETAILS OF OUTAGES OF GENERATING STNS. WITHIN DELHI W.E.F. APRIL 2010

(A) RPH STATION

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	**67.5**	11.05.11	20.11	11.05.11	21.28	Flash in yard
		21.05.11	01.53	21.05.11	05.25	Tripped alongwith tripping of associated transmission lines
		22.05.11	23.00	23.05.11	01.55	Boiler flame failure
		31.05.11	12.35	02.06.11	03.03	Condenser tube leakage
		10.06.11	05.40	10.06.11	12.32	UAT abnormality
		10.06.11	12.45	10.06.11	13.00	UAT abnormality
		03.07.11	11.40	06.07.11	17.19	Due to fire in 220/33kV 100MVA Pr. Tr.
		10.07.11	21.30	28.07.11	10.08	Tripped alongwith tripping of associated transmission lines
		30.07.11	14.50	31.07.11	24.00	Moisture in IBT -2
		06.08.11	06.32	08.08.11	01.31	Desynchronization due to moisture in 220kV Pr. Tr.
		15.08.11	14.17	15.08.11	21.20	Stopped due to low demand and high frequency.
		25.08.11	18.07	27.08.11	4.17	Boiler tube leakage
2	**67.5**	03.04.11	23.45	04.04.11	01.40	Turbine shaft vibration high
		28.04.11	06.38	28.04.11	15.27	To attend hot spot on 33kV Breaker
		21.05.11	01.53	21.05.11	07.32	Tripped alongwith tripping of associated transmission lines
		22.05.11	21.14	22.05.11	22.00	FD fan tripping
		26.05.11	12.10	26.05.11	13.00	Low boiler drum level
		31.05.11	23.15	01.06.11	08.12	Condenser tube leakage
		02.06.11	11.07	04.06.11	11.14	Boiler tube leakage
		04.06.11	16.50	04.06.11	17.50	Tripped on jerk
		04.06.11	18.18	04.06.11	20.12	Feed pump problem
		03.07.11	11.40	06.07.11	10.37	Due to fire in 220/33kV 100MVA Pr. Tr.
		10.07.11	13.53	27.07.11	05.10	Due to IBT-I, protection relay operated
		27.07.11	11.38	27.07.11	21.04	Due to tripping of bay no. 17
		30.07.11	14.50	31.07.11	03.45	Moisture in IBT -2
		06.08.11	07.00	08.08.11	00.10	Desynchronization due to moisture in 220kV Pr. Tr.
		15.08.11	14.21	15.08.11	22.00	Stopped due to low demand and high frequency.
		20.08.11	00.31	20.08.11	01.20	Boiler flame failure
		30.08.11	00.24	31.08.11	24.00	Boiler tube leakage
		31.08.11	00.00	31.08.11	23.59	Boiler tube leakage

(B) Gas Turbine

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	**30**	01.04.11	00.00	11.04.11	20.25	Machine stopped as generation available in open cycle mode
		12.04.11	00.02	12.04.11	18.25	
		16.04.11	17.17	17.04.11	10.15	
		17.04.11	17.02	22.04.11	11.10	Machine stopped due to low demand
		30.04.11	12.20	05.05.11	00.45	Machine stopped as generation available in open cycle mode
		15.05.11	06.15	16.05.11	23.50	
		17.05.11	08.37	17.05.11	17.29	Machine stopped as generation available on spot RLNG
		21.05.11	12.13	21.05.11	16.36	Stopped due to low demand and high frequency.
		02.06.11	09.32	03.06.11	10.25	
		08.06.11	20.35	09.06.11	00.34	Electrical trouble
		17.06.11	01.02	18.06.11	01.22	Machine stopped as generation available in open cycle mode
		19.06.11	07.04	21.06.11	03.05	
		26.06.11	12.20	27.06.11	11.26	Stopped due to low demand and high frequency.
		30.06.11	11.50	02.07.11	20.29	
		08.07.11	23.05	10.07.11	16.42	
		07.08.11	21.40	17.08.11	11.40	Machine stopped as generation available on spot RLNG
		20.08.11	12.20	20.08.11	22.00	Machine stopped as per SLDC message to maintain only 109 MW
		20.08.11	22.00	21.085.11	18.30	Machine is not available due to problem in Excitation
		21.08.11	18.30	22.08.11	15.58	Machine stopped as generation available on spot RLNG
		23.08.11	14.15	25.08.11	12.40	
		31.08.11	14.32	31.08.11	15.36	Stopped to attend lube oil leakage
2	**30**	01.04.11	00.00	11.04.11	21.37	Machine stopped as generation is available in open cycle mode.
		12.04.11	00.02	12.04.11	20.27	
		12.04.11	21.00	21.04.11	12.48	
		24.04.11	23.35	25.04.11	05.20	Machine tripped on high vibration
		30.04.11	18.15	05.05.11	19.45	Due to swapping of gas to PPCL.
		13.05.11	16.02	13.05.11	18.10	High exhaust temp spread.
		15.05.11	06.18	15.05.11	21.35	Stopped due to low demand and high frequency.
		21.05.11	12.13	21.05.11	12.55	
		15.06.11	07.35	15.06.11	08.25	Loss of flame
		15.06.11	17.40	15.06.11	18.40	Loss of flame
		15.06.11	22.10	16.06.11	03.22	Loss of flame
		18.06.11	02.02	20.06.11	17.35	Machine stopped as generation available in open cycle mode
		02.07.11	21.12	03.07.11	16.10	
		08.07.11	23.02	10.07.11	19.27	
		06.08.11	00.05	07.08.11	15.50	Machine stopped as generation available on spot RLNG
		07.08.11	23.10	16.08.11	12.20	
		17.08.11	14.30	17.08.11	19.00	

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
3	30	11.04.11	11.25	11.04.11	20.41	Due to failure of Auxiliary supply.
		12.04.11	00.02	12.04.11	18.35	Machine stopped as generation available on open cycle mode
		12.04.11	21.10	13.04.11	09.40	
		16.04.11	03.50	17.04.11	21.27	
		19.04.11	00.02	19.04.11	05.52	Due to low demand and high frequency.
		20.04.11	00.02	20.04.11	05.52	
		28.04.11	02.05	28.04.11	13.55	Due to swapping of gas to PPCL.
		04.05.11	01.32	04.05.11	11.50	Machine stopped as generation available on spot RLNG
		08.05.11	03.16	08.05.11	22.44	Stopped due to low demand and high frequency.
		09.05.11	21.45	10.05.11	15.37	
		10.05.11	15.37	10.05.11	20.15	Electrical trouble
		10.05.11	20.15	11.05.11	16.20	Machine stopped as generation available on spot RLNG
		12.05.11	00.05	12.05.11	10.11	
		17.05.11	18.15	17.05.11	23.59	
		18.05.11	00.00	27.07.11	00.00	Start command executed but smoke observed from the Diesel Engine
		27.07.11	00.00	27.07.11	12.25	Machine stopped as generation available on spot RLNG
		27.07.11	19.02	28.07.11	15.00	
		28.07.11	21.35	29.07.11	12.00	
		29.07.11	16.40	30.07.11	01.37	
		30.07.11	02.10	30.07.11	13.02	Machine started for making the drum per 10Kg/cm sq. for passivation of boiler #3
		30.07.11	14.10	30.07.11	23.32	Machine stopped as generation available on spot RLNG
		30.07.11	23.58	31.07.11	23.59	
		01.08.11	19.50	03.08.11	11.01	
		13.08.11	05.35	16.08.11	05.20	
		17.08.11	20.10	18.08.11	10.45	
		18.08.11	12.32	18.08.11	17.32	
		25.08.11	14.15	26.08.11	12.20	
4	30	11.04.11	11.25	11.04.11	20.00	Due to failure of Auxiliary supply.
		12.04.11	19.45	12.04.11	20.35	Machine came on FSNL
		13.04.11	09.14	14.04.11	00.45	Machine stopped as generation available on open cycle mode
		16.04.11	10.05	17.04.11	12.50	Stopped due to low demand and high frequency.
		21.05.11	04.00	23.05.11	10.37	
		23.05.11	14.25	26.05.11	14.42	Machine stopped as generation available on spot RLNG
		26.05.11	18.24	30.05.11	16.05	
		02.06.11	09.35	03.06.11	10.50	Stopped due to low demand and high frequency.
		03.06.11	11.15	06.06.11	10.40	
		22.06.11	18.02	23.06.11	02.57	Machine stopped as generation available in open cycle mode
		16.07.11	14.20	31.07.11	23.59	Machine stopped as generation available on spot RLNG
		01.08.11	00.00	05.08.11	12.17	
		11.08.11	06.58	11.08.11	09.05	Machine tripped on loss of flame
		12.08.11	04.40	12.08.11	05.35	Machine tripped on high TAD
		12.08.11	06.52	12.08.11	15.40	Tripped without any alarm in control room
		15.08.11	10.42	16.08.11	06.15	Machine stopped as generation available on spot RLNG.
		16.08.11	15.31	16.08.11	20.28	
		16.08.11	23.50	21.08.11	00.55	
		21.08.11	08.15	27.08.11	23.59	Machine stopped as there was low demand

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
5	**30**	11.04.11	11.25	11.04.11	12.55	Due to failure of Auxiliary supply.
		11.04.11	14.25	11.04.11	14.55	Due to failure of Auxiliary supply.
		12.04.11	17.42	16.04.11	17.15	Machine stopped as generation available on open cycle mode
		17.04.11	14.32	18.04.11	20.17	Due to low demand and high frequency.
		21.04.11	22.45	30.04.11	17.24	
		03.05.11	04.01	03.05.11	14.40	Machine stopped as generation available on spot RLNG
		04.05.11	01.35	04.05.11	12.40	
		05.05.11	11.05	05.05.11	11.50	
		05.06.11	19.16	05.07.11	19.25	
		07.05.11	21.35	08.05.11	21.45	
		13.05.11	01.05	13.05.11	05.50	Machine stopped as generation available in open cycle mode
		13.05.11	18.30	15.05.11	18.28	Machine stopped as generation available on spot RLNG
		20.05.11	01.17	20.05.11	13.35	
		21.05.11	10.55	23.05.11	19.15	Due to low demand and high freq.
		31.05.11	00.05	31.05.11	16.13	Machine stopped as generation available in open cycle mode
		31.05.11	23.02	03.06.11	10.15	
		05.06.11	08.04	05.06.11	12.28	Machine tripped on high exhaust temperature trip
		07.06.11	14.58	07.06.11	16.28	
		14.06.11	03.46	15.06.11	19.45	Machine stopped as generation available in open cycle mode
		15.06.11	22.03	16.06.11	01.14	
		16.06.11	05.17	16.06.11	11.44	Machine tripped on high vibration
		16.06.11	20.02	16.06.11	22.50	Electrical trouble
		16.06.11	23.50	17.06.11	00.15	Machine came on FSNL while changing the faulty u/v relay
		26.06.11	09.02	03.07.11	16.18	Due to low demand and high freq.
		07.07.11	14.55	16.07.11	13.15	Machine stopped as generation available on spot RLNG
		07.08.11	00.02	08.08.11	00.10	
		15.08.11	10.42	16.08.11	06.15	
		16.08.11	15.31	16.08.11	20.28	
		16.08.11	23.50	21.08.11	00.55	
		21.08.11	08.15	21.08.11	11.25	
		21.08.11	14.02	31.08.11	23.59	
6	**30**	11.04.11	11.25	11.04.11	13.20	Due to failure of Auxiliary supply.
		11.04.11	14.25	11.04.11	20.55	Due to failure of Auxiliary supply.
		12.04.11	00.02	12.04.11	17.40	Machine stopped as generation available on open cycle mode
		12.04.11	18.37	16.04.11	12.20	Due to low demand and high frequency
		17.04.11	21.56	18.04.11	19.55	
		19.04.11	00.02	19.04.11	05.55	
		20.04.11	00.02	20.04.11	05.42	
		22.04.11	12.18	24.04.11	11.45	Machine stopped as generation available on Spot RLNG
		24.04.11	16.10	26.04.11	21.20	Due to low demand and high frequency
		27.04.11	00.05	30.04.11	12.12	
		07.05.11	03.40	07.05.11	11.02	
		08.05.11	22.02	09.05.11	21.25	Machine stopped as generation available on spot RLNG
		12.05.11	10.51	12.05.11	15.18	
		13.05.11	00.05	13.05.11	18.33	
		21.05.11	18.30	23.05.11	10.55	Stopped due to low demand and high frequency.
		26.06.11	09.02	04.07.11	11.00	

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
6	**30**	04.07.11	15.15	05.07.11	11.00	Machine stopped as generation available on spot RLNG
		15.07.11	23.05	20.07.11	12.50	Due to low demand and high frequency
		23.07.11	02.17	23.07.11	03.27	Machine tripped on loss of flame
		24.07.11	04.15	25.07.11	09.17	Due to low demand and high frequency
		03.08.11	15.25	03.08.11	20.20	Machine stopped as generation available on spot RLNG
		05.08.11	02.01	05.08.11	20.58	
		17.08.11	04.02	20.08.11	22.10	
		22.08.11	16.30	23.08.11	11.30	
		24.08.11	01.50	31.08.11	23.59	
STG 1	**30**	01.04.11	00.00	16.04.11	00.40	To attend miscellaneous problems
		16.04.11	11.10	17.04.11	14.27	Machine stopped attend leakage.
		17.04.11	17.02	21.04.11	20.58	Machine stopped due to low demand
		23.04.11	06.32	23.04.11	11.10	Problem in 24 Volt DC supply.
		30.04.11	00.52	30.04.11	02.56	Machine stopped due to low demand Machine tripped and following relay operated
		30.04.11	18.15	05.05.11	05.05	
		05.05.11	23.35	06.05.11	02.28	
		07.05.11	01.45	07.05.11	03.40	
		10.05.11	13.50	10.05.11	17.40	Low vacuum
		15.05.11	06.20	15.05.11	22.54	To attend various leakages
		21.05.11	09.50	21.05.11	14.05	Tripped on Ch-I &II
		21.05.11	16.22	21.05.11	17.35	Machine tripped on low vacuum.
		30.05.11	09.20	30.05.11	11.05	Machine tripped on low vacuum.
		07.06.11	02.43	07.06.11	05.20	Tripped on Ch-I &II
		19.06.11	07.04	21.06.11	02.10	To attend various leakages
		21.06.11	15.58	21.06.11	16.59	To attend various leakages
		08.07.11	23.05	10.07.11	19.34	Due to low demand and high frequency
		26.07.11	13.50	26.07.11	15.01	Machine tripped on flase alarm of Shaft Vibratrion V. high and Housing vibration v.high
		26.07.11	15.20	26.07.11	16.46	Machine tripped on flase alarm of Shaft Vibratrion V. high and Housing vibration v.high
		29.07.11	15.55	29.07.11	17.31	Machine tripped mannualy as the vaccum dropped upto -0.40 kg/cm2 due to tripping of BFP-1A as another BFP-1B was under preventive maintenance
		29.07.11	17.42	29.07.11	18.11	Machine tripped on hot well level high
		07.08.11	18.58	15.08.11	00.00	Machine tripped due to problem in Control valve and boxed up for further inspection as directed by Mech division
		15.08.11	00.00	16.08.11	15.20	Machine not taken on bar due to low demand

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG2	**30**	11.04.11	10.40	17.04.11	16.20	Low vacuum
		21.05.11	04.00	23.05.11	11.00	Machine stopped due to low demand
		23.05.11	11.00	25.05.11	12.59	Machine tripped on Rotor earth fault
		24.05.11	13.00	26.05.11	18.20	Machine stopped as generation available on spot RLNG
		26.05.11	18.24	30.05.11	20.25	
		02.06.11	09.36	06.06.11	10.40	Machine stopped due to low demand
		19.06.11	15.05	19.06.11	20.00	Low vacuum
		22.06.11	18.02	23.06.11	04.25	To attend various leakages
		28.06.11	16.03	28.06.11	17.53	Tripped on Ch-I &II
		16.07.11	14.20	03.08.11	14.45	Machine stopped as generation available on spot RLNG
		14.08.11	11.36	16.08.11	07.50	
STG3	**30**	11.04.11	11.25	17.04.11	16.28	Due to failure of Auxiliary supply.
		17.04.11	20.05	18.04.11	21.55	Machine stopped due to low demand
		22.04.11	12.17	30.04.11	16.16	Machine available on spot R-LNG
		01.05.11	14.52	01.05.11	15.40	Steam Turbine Speed very high.
		07.05.11	03.40	07.05.11	13.58	Machine stopped due to low demand
		12.05.11	09.16	13.05.11	20.35	Main steam temperature low
		21.05.11	18.30	23.05.11	13.55	Machine stopped due to low demand
		05.06.11	10.15	05.06.11	11.15	Low vacuum
		06.06.11	09.05	06.06.11	11.25	Turbine shaft vibration high
		13.06.11	13.10	13.06.11	14.34	Machine tripped on CH-I& II.
		26.06.11	09.02	30.06.11	23.59	Machine stopped due to low demand
		20.07.11	13.50	20.07.11	14.20	Machine tripped on Both the boiler trip alarm. No alarm appeared in the Turbine interlock page.
		20.07.11	14.36	20.07.11	15.20	Machine tripped on Both the boiler trip alarm. No alarm appeared in the Turbine interlock page.
		28.07.11	07.04	28.07.11	07.43	Machine tripped due to tripping of HRSGs. HRSG tripped on low drum level as BFP-3A tripped due to malfunctioning of temperature of NDE of motor.
		17.08.11	04.02	21.08.11	00.15	Machine stopped as generation available on spot RLNG.
		22.08.11	13.15	23.08.11	13.45	Machine tripped on Class A. machine cleared from Elect division but not taken on load due to low demand.
		24.08.11	01.50	31.08.11	23.59	Machine stopped due to low demand

(C) PRAGATI STATION

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	**104**	01.04.11	23.28	03.04.11	11.37	Stopped for maintenance work
		03.04.11	20.03	04.04.11	19.09	Rotor earth fault
		04.04.11	14.45	06.04.11	13.35	Unit stopped due to low demand and high frequency
		06.04.11	21.45	08.04.11	08.01	Stopped for maintenance work
		08.04.11	18.45	08.04.11	24.00	Internal fault
		09.04.11	00.00	10.04.11	15.52	Unit stopped due to low demand and high frequency
		25.04.11	17.58	25.04.11	23.08	Tripped alongwtih trippings of associated transmission lines.
		21.05.11	01.30	21.05.11	02.56	Grid disturbance
		21.05.11	22.10	23.05.11	08.45	Generation backing down due to low demand and high frequency
		05.06.11	11.02	05.06.11	17.43	Shutdown for attending hot spot and general maintenance
		28.07.11	21.18	29.07.11	22.59	Leakage of air compressor
2	**104**	03.04.11	13.50	03.04.11	20.28	Stopped for maintenance work
		06.04.11	13.50	06.04.11	21.35	Stopped for maintenance work
		08.04.11	08.22	08.04.11	19.20	Stopped for maintenance work
		10.04.11	21.27	11.04.11	12.11	Internal fault
		30.04.11	00.52	30.04.11	01.10	Tripped alongwtih trippings of associated transmission lines.
		05.05.11	10.51	07.05.11	05.26	Internal problem
		14.05.11	07.21	14.05.11	19.13	Internal check
		05.06.11	05.00	05.06.11	10.43	Shutdown for attending hot spot and general maintenance
		10.06.11	05.54	11.06.11	15.44	Generation backing down due to low demand and high frequency
		26.06.11	11.38	27.06.11	10.29	
		27.06.11	10.29	27.06.11	10.55	Lube oil system fault
		15.08.11	10.35	16.08.11	07.00	Generation backing down due to low demand and high frequency
STG	**122**	12.04.11	09.00	12.04.11	18.59	High furnace temperature
		25.04.11	17.57	25.04.11	18.56	Tripped alongwtih trippings of associated transmission lines.
		21.05.11	01.32	21.05.11	02.53	
		05.06.11	09.50	05.06.11	13.38	Shutdown for attending hot spot and general maintenance
		07.06.11	00.47	13.06.2011	10.19	Internal fault

(D) BADARPUR THERMAL POWER STATION

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	95	10.06.11	11.04	13.06.11	21.58	Generation backing down due to low demand and high frequency
		26.06.11	09.43	27.06.11	13.07	
		27.06.11	17.26	27.06.11	17.51	Furnaces pressure high
		08.07.11	20.25	12.07.11	15.53	Generation backing down due to low demand and high frequency
		15.07.11	18.11	15.07.11	18.47	Low vacuum
		20.08.11	11.22	20.08.11	12:05	Condenser tube leakage
2	95	03.04.11	00.50	20.04.11	21.35	Shut-down for over-hauling
		21.05.11	23.13	23.05.11	20.52	Generation backing down due to low demand and high frequency
		27.06.11	16.41	02.07.11	17.42	
		11.07.11	14.54	11.07.11	16.37	False relay tripping
3	95	17.04.11	17.01	17.04.11	18.58	Tripped along with tripping of associated transmission lines
		30.04.11	18.32	30.04.11	19.32	Due to tripping of generator transformer
		30.04.11	21.52	02.05.11	05.42	Electrical fault
		26.05.11	17.13	30.05.11	10.24	Generation backing down due to low demand and high frequency
		02.06.11	19.41	06.06.11	11.43	
		07.07.11	01.47	26.07.11	15.35	Turbine blade failure
		09.08.11	03.24	10.08.11	04.11	Generator failure
4	210	17.04.11	17.01	17.04.10	20.26	Tripped along with tripping of associated transmission lines
		04.05.11	07.41	08.05.11	11.18	Control system failure
		24.06.11	13.07	24.06.11	16.16	Excitation system failure
		22.08.11	06.59	24.08.11	08.40	Shortage of water
5	210	17.06.11	17.47	21.06.11	10.10	Generation backing down due to low demand and high frequency
		21.06.11	11.41	21.06.11	13.04	Furnaces vacuum high
		22.06.11	01.09	22.06.11	04.55	Furnaces vacuum high
		22.06.11	05.07	22.06.11	08.15	Unit auxiliary transformer problem
		12.07.11	13.59	13.07.11	08.05	Hot spot on generation bus
		14.08.11	10.35	17.08.11	08.37	Generation backing down due to low demand and high frequency

4 ALLOCATION OF POWER TO DELHI

A) Allocation of power to Delhi from Unallocated quota of Central Sector Generating Stations to Delhi w.e.f. 22.05.2011

Time block 00.00hrs. to 12.00hrs. & 23.00hrs. to 24.00hrs. @ 0% allocation from Unallocated Quota

Name of the Stn	Installed capacity	Total Un-allocated	Basic Allocation	Basic Allocation at periphery	Allocation out of Unallocated Quota	Allocation out of Un-allocation Quota at Delhi periphery	Total allocation at Delhi periphery
1	2	3	4	5	6	7	(8)=(5)+(7)
NTPC STATIONS							
Singrauli STPS	2000	300	150	130	0	0	130
Rihand	1000	150	100	87	0	0	87
Rihand Stage –II	1000	150	126	109	0	0	109
ANTA GPS	419	63	44	41	0	0	41
Auriya GPS	663.36	99	72	67	0	0	67
Dadri GPS	829.78	129	91	85	0	0	85
Dadri NCTPS (Th)	840	0	756	657	0	0	657
Dadri NCTPS (Th) Stage-II	980	147	735	639	0	0	639
Unchahaar-I TPS	420	20	24	21	0	0	21
Unchahaar-II TPS	420	63	47	41	0	0	41
Unchahaar-III TPS	210	31	29	25	0	0	25
TOTAL	**8782**	**1152**	**2174**	**1902**	**0**	**0**	**1902**
NHPC							
Baira Suil HPS	180	0	20	19	0	0	19
Salal HPS	690	0	80	76	0	0	76
Tanakpur HEP	94	0	12	11	0	0	11
Chamera HEP	540	0	43	41	0	0	41
Chamera-II HEP	300	54	40	38	0	0	38
URI HEP	480	0	53	50	0	0	50
Sewa HEP	120	18	16	15	0	0	15
Dhauli Ganga HEP	280	42	37	35	0	0	35
Dulhasti HEP	390	58	50	48	0	0	48
TOTAL	**3074**	**172**	**351**	**333**	**0**	**0**	**333**
NPC							
Narora APS	440	64	47	41	0	0	41
RAPP(B)	440	66	0	0	0	0	0
RAPP (C)	440	64	56	49	0	0	49
TOTAL	**1320**	**194**	**103**	**89**	**0**	**0**	**89**
SVJNL							
Nathpa Jhakri HEP	1500	149	142	123	0	0	123
THDC							
Tehri Hydro	1000	99	103	89	0	0	89
Total	**15676**	**1766**	**2873**	**2537**	**0**	**0**	**2537**
Allocation from ER and Tala HEP							
Farakka	1600	0	22	19	0	0	19
Kahalgaon	840	0	51	43	0	0	43
Talchar	1000	0	0	0	0	0	0
Tala HEP	1020	153	30	25	0	0	25
Mejia TPS Unit-6	250	0	29	25	0	0	25
Kahalgaon-II	1500	0	157	131	0	0	131
Total ER	**6210**	**153**	**290**	**242**	**0**	**0**	**242**
Joint Venture							
Jhajjar TPS	500	38	231	201	0	0	201
Grand Total	**22386**	**1957**	**3393**	**2980**	**0**	**0**	**2980**

B) Allocation of power to Delhi from Unallocated quota of Central Sector Generating Stations to Delhi w.e.f. 22.05.2011

Time block 12.00hrs. to 23.00hrs. @ 16% allocation from Unallocated Quota

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	39	34	165
Rihand	1000	150	100	87	20	17	104
Rihand Stage -II	1000	150	126	109	20	17	127
ANTA GPS	419	63	44	41	8	8	49
Auriya GPS	663.36	99	72	67	9	9	76
Dadri GPS	829.78	129	91	85	8	7	92
Dadri NCTPS (Th)	840	0	756	657	0	0	657
Dadri NCTPS (Th) Stage-II	980	147	735	639	19	17	655
Unchahaar-I TPS	420	20	24	21	3	2	23
Unchahaar-II TPS	420	63	47	41	8	7	48
Unchahaar-III TPS	210	31	29	25	4	4	29
TOTAL	**8782**	**1152**	**2174**	**1902**	**138**	**122**	**2023**
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	7	7	45
URI HEP	480	0	53	50	0	0	50
Sewa HEP	120	18	16	15	2	2	17
Dhauli Ganga HEP	280	42	37	35	6	5	40
Koteshwar HEP	100	0	10	9	1	1	11
Dulhasti HEP	390	58	50	48	8	7	55
TOTAL	**3174**	**172**	**361**	**343**	**24**	**23**	**365**
NPC							
Narora APS	440	64	47	41	8	7	48
RAPP(B)	440	66	0	0	0	0	0
RAPP (C)	440	64	56	49	14	12	61
TOTAL	**1320**	**194**	**103**	**89**	**23**	**20**	**109**
SVJNL							
Nathpa Jhakri HEP	1500	149	142	123	20	19	142
THDC							
Tehri Hydro	1000	99	103	89	13	12	102
Total	**15776**	**1766**	**2882**	**2547**	**217**	**195**	**2741**
Allocation from ER and Tala HEP							
Farakka	1600	0	22	19	0	0	19
Kahalgaon	840	0	51	43	0	0	43
Talchar	1000	0	0	0	0	0	0
Tala HEP	1020	153	30	25	0	0	25
Mejia TPS Unit-6	250	0	29	25	0	0	25
Kahalgaon-II	1500	0	157	131	0	0	131
Total ER	**6210**	**153**	**290**	**242**	**0**	**0**	**242**
Joint Venture							
Jhajjar TPS	500	38	231	201	5	4	205
Grand Total	**22486**	**1957**	**3403**	**2989**	**222**	**199**	**3188**

5 ALLOCATION OF POWER TO DISCOMS

ALLOCATION OF POWER TO VARIOUS LISCENCEES AS PER ORDER OF DERC AND DECISION OF GNCTD FOR ALLOCATION OF CENTRAL SECTOR STATIONS (DADRI THERMAL & BTPS) AND STATE SECTOR GENERATING STATIONS w.e.f. 01.04.2011.

(Allocation In %)

(A) 10.00hrs. to 17.00hrs.

SOURCES	LICENSEES					
	NDMC	MES	NDPL	BRPL	BYPL	TOTAL
1. Central Sector without Dadri (Th)	0.00	0.00	29.18	43.58	27.24	100.00
2. Dadri (Th)	14.98	0.00	24.18	36.87	23.97	100.00
3. BTPS	15.94	7.09	21.88	33.37	21.72	100.00
4. RPH	0.85	0.00	28.39	42.97	27.79	100.00
5. GT	0.93	0.00	28.28	42.99	27.80	100.00
6. Pragati	26.69	0.00	20.77	31.76	20.7	100.00
7. DVC	0.00	0.00	29.18	43.58	27.24	100.00

(B) 00.00hrs. to 10.00hrs. and 17.00hrs. to 24.00hrs.

SOURCES	LICENSEES					
	NDMC	MES	NDPL	BRPL	BYPL	TOTAL
1. Central Sector without Dadri (Th)	0.00	0.00	29.18	43.58	27.24	100.00
2. Dadri (Th)	14.05	0.00	24.18	3687	24.90	100.00
3. BTPS	15.07	7.09	21.88	33.37	22.59	100.00
4. RPH	0.00	0.00	28.390	42.97	28.64	100.00
5. GT	0.00	0.00	28.28	42.99	28.73	100.00
6. Pragati	25.76	0.00	20.77	31.76	21.71	100.00
7. DVC	0.00	0.00	29.18	43.58	27.24	100.00

6 POWER AVAILABILITY-DEMAND POSITION AT THE TIME OF PEAK DEMAND MET DURING AUGUST 2011

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
		RPH	GT	PPCL	BTPS	Rithala	Total						
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)= (3) to (7)	(9)	(10)	(11)= (10) -(9)	(12)= (10)+ (11)	(13)	(14)= (12)+ (13)
1	15:07:28	95	161	281	32	599	1168	3682	3634	48	4850	18	4868
2	15:07:47	103	139	283	32	597	1154	3874	3775	99	5028	3	5031
3	22:59:10	102	178	294	33	614	1221	3522	3581	-59	4743	13	4756
4	22:43:44	108	177	293	25	611	1214	3341	3477	-136	4555	0	4555
5	15:17:49	101	181	288	24	622	1216	3387	3647	-260	4603	2	4605
6	22:58:58	0	179	294	29	596	1098	3282	3355	-73	4380	0	4380
7	23:11:59	0	124	293	27	604	1048	3392	3232	160	4440	4	4444
8	22:53:50	110	148	291	44	598	1191	3434	3529	-95	4625	0	4625
9	15:08:39	108	147	287	29	526	1097	3391	3485	-94	4488	0	4488
10	16:03:04	102	148	291	33	583	1157	3165	3288	-123	4322	0	4322
11	16:10:47	106	148	293	44	565	1156	3109	3240	-131	4265	9	4274
12	12:22:15	108	111	296	19	584	1118	2930	3023	-93	4048	0	4048
13	00:00:04	108	151	296	53	494	1102	2564	2970	-406	3666	0	3666
14	00:00:24	107	114	269	43	497	1030	2465	2154	311	3495	0	3495
15	00:00:04	109	79	299	46	497	1030	2480	2409	71	3510	0	3510
16	19:58:20	107	152	300	0	400	959	2676	2635	41	3635	4	3639
17	19:41:26	103	137	295	47	506	1088	2892	2910	-18	3980	0	3980
18	19:40:08	95	148	297	41	503	1084	3139	2991	148	4223	0	4223
19	19:56::34	96	152	300	44	433	1025	3029	3022	7	4054	0	4054
20	19:32:52	101	114	296	40	430	981	2984	3017	-33	3965	7	3972
21	22:52:38	109	144	296	26	474	1049	3120	3078	42	4169	0	4169
22	23:23:26	103	148	292	49	403	995	3299	3052	247	4294	0	4294
23	12:00:57	101	200	290	51	403	1045	3263	3307	-44	4308	11	4319
24	14:55:56	110	114	297	38	514	1073	3000	2860	140	4073	0	4073
25	16:04:43	107	108	292	59	489	1055	3186	2963	223	4241	0	4241
26	19:34:15	62	152	297	48	528	1087	3207	3071	136	4294	0	4294
27	20:04:00	108	153	299	49	532	1141	3030	3067	-37	4171	0	4171
28	22:42:29	110	151	297	49	498	1105	3159	3140	19	4264	5	4269
29	22:54:43	109	151	297	48	493	1098	3400	3295	105	4498	1	4499
30	15:34:00	47	148	292	50	528	1065	3515	3554	-39	4580	0	4580
31	22:56:10	49	148	294	60	554	1105	3516	3421	95	4621	2	4623

7 POWER AVAILABILITY- DEMAND POSITION AT THE TIME OF MAXIMUM UNRESTRICTED DEMAND DURING AUGUST 2011

All figures in MW

Date	Time of peak demand	Generation within Delhi						Import from the Grid	Schedule from the Grid	OD(-) / UD(+)	Demand met	Shedding	Un-Restricted Demand
		IP	RPH	GT	PPCL	BTPS	Total						
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)=(3) to (7)	(9)	(10)	(11)= (10) -(9)	(12)=(10) + (11)	(13)	(14)= (12)+ (13)
1	15:07:28	95	161	281	32	599	1168	3682	3634	48	4850	18	4868
2	15:07:47	103	139	283	32	597	1154	3874	3775	99	5028	3	5031
3	22:59:10	102	178	294	33	614	1221	3522	3581	-59	4743	13	4756
4	22:43:44	108	177	293	25	611	1214	3341	3477	-136	4555	0	4555
5	15:17:49	101	181	288	24	622	1216	3387	3647	-260	4603	2	4605
6	22:58:58	0	179	294	29	596	1098	3282	3355	-73	4380	0	4380
7	23:11:59	0	124	293	27	604	1048	3392	3232	160	4440	4	4444
8	22:53:50	110	148	291	44	598	1191	3434	3529	-95	4625	0	4625
9	15:08:39	108	147	287	29	526	1097	3391	3485	-94	4488	0	4488
10	16:03:04	102	148	291	33	583	1157	3165	3288	-123	4322	0	4322
11	16:10:47	106	148	293	44	565	1156	3109	3240	-131	4265	9	4274
12	12:22:15	108	111	296	19	584	1118	2930	3023	-93	4048	0	4048
13	00:00:04	108	151	296	53	494	1102	2564	2970	-406	3666	0	3666
14	00:00:24	107	114	269	43	497	1030	2465	2154	311	3495	0	3495
15	00:00:04	109	79	299	46	497	1030	2480	2409	71	3510	0	3510
16	19:58:20	107	152	300	0	400	959	2676	2635	41	3635	4	3639
17	19:41:26	103	137	295	47	506	1088	2892	2910	-18	3980	0	3980
18	19:40:08	95	148	297	41	503	1084	3139	2991	148	4223	0	4223
19	19:56::34	96	152	300	44	433	1025	3029	3022	7	4054	0	4054
20	19:32:52	101	114	296	40	430	981	2984	3017	-33	3965	7	3972
21	22:52:38	109	144	296	26	474	1049	3120	3078	42	4169	0	4169
22	23:23:26	103	148	292	49	403	995	3299	3052	247	4294	0	4294
23	12:00:57	101	200	290	51	403	1045	3263	3307	-44	4308	11	4319
24	14:55:56	110	114	297	38	514	1073	3000	2860	140	4073	0	4073
25	15:00:00	111	104	291	59	565	1110	2895	2983	88	4006	304	4310
26	19:34:15	62	152	297	48	528	1087	3207	3071	136	4294	0	4294
27	20:04:00	108	153	299	49	532	1141	3030	3067	-37	4171	0	4171
28	22:42:29	110	151	297	49	498	1105	3159	3140	19	4264	5	4269
29	22:54:43	109	151	297	48	493	1098	3400	3295	105	4498	1	4499
30	15:34:00	47	148	292	50	528	1065	3515	3554	-39	4580	0	4580
31	22:56:10	49	148	294	60	554	1105	3516	3421	95	4621	2	4623

8 SOURCEWISE SCHEDULED DRAWL FROM NORTHERN GRID AS WELL AS AVAILABILITY WITHIN DELHI FOR AUGUST 2011

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

A (i) RPH	70.978
JHAJJAR SHARE	0.000
NET RPH	70.978
(ii) GT+STG	106.466
(iii) PRAGATI	222.130
(iv) RITHALA	29.334
TOTAL	428.908
B) AVAILABILITY FROM BTPS	386.265
C) AUXILIARY CONSUMPTION OF GENERATING STNs. EXCLUDING BTPS	19.235
D) NET GENERATION AVAILABLE WITHIN DELHI(A+B-C)	**795.938**

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	8.363	8.158	8.363	8.158
SALAL	50.468	49.240	50.468	49.240
TANKAPUR	8.220	8.021	8.220	8.021
CHAMERA	30.557	29.815	30.557	29.815
CHAMERA -II	29.951	29.227	29.951	29.227
DHAULIGANGA	27.082	26.425	27.082	26.425
SEWA -2	9.756	9.519	9.756	9.519
URI	21.770	21.242	21.770	21.242
KOTESHWAR	6.552	6.393	6.552	6.393
ANTA (GAS)	23.875	23.297	19.688	19.214
ANTA (RLNG)	7.428	7.248	0.434	0.424
ANTA (LIQUID)	0.000	0.000	0.000	0.000
DADRI (GAS)	44.921	43.826	37.341	36.435
DADRI (RLNG)	18.908	18.450	0.976	0.952
DADRI (LIQUID)	0.966	0.943	0.000	0.000
AURAIYA (GAS)	32.397	31.606	27.031	26.374
AURAIYA (RLNG)	18.907	18.448	0.871	0.850
AURAIYA (LIQUID)	0.649	0.634	0.000	0.000
SINGRAULI	88.508	86.378	87.039	84.946
RIHAND -I	74.509	72.697	72.712	70.945
RIHAND -II	66.202	64.566	64.728	63.129
UNCHAHAR-I	15.313	14.939	13.774	13.439
UNCHAHAR-II	27.909	27.230	25.224	24.612
UNCHAHAR-III	18.608	18.154	16.946	16.534
DADRI (TH)	423.616	413.291	359.843	351.063
DADRI (TH) STAGE-II	510.139	497.711	445.058	434.251
NAPP	13.789	13.449	13.789	13.449
RAPP 'B'	0.000	0.000	0.000	0.000
RAPP 'C'	44.238	43.162	44.238	43.162
NATHPA JHAKRI	114.661	111.876	114.661	111.876
DULASTI	35.181	34.325	35.181	34.325
TEHRI	75.500	73.673	75.500	73.673
JHAJJAR	92.941	90.620	70.925	69.146
KHELGAON	30.333	29.600	20.292	19.801
KHELGAON-II	48.033	46.870	38.417	37.483
FARAKA	11.504	11.224	5.274	5.144
TALA	22.572	22.022	22.572	22.022
TALCHER	0.000	0.000	0.000	0.000
DVC	112.548	111.245	111.245	108.552
CHATTISHGARH	12.019	11.832	11.832	11.550
ANDHRA	0.000	0.000	0.000	0.000
DVC TATA STEEL (NDPL)	31.702	31.351	31.351	30.599
ORISSA	54.687	54.055	54.055	52.750
KERALA	21.328	20.851	20.851	20.345
HIMACHAL PRADESH	37.620	37.236	37.236	36.338
WEST BENGAL	50.442	49.860	49.860	48.652

NAME OF THE STATION	AVAILABILITY AT POWER PLANT	AVAILABILITY AT DELHI PERIPHERY	ALLOCATION MADE BY NRLDC AT POWER PLANT	ALLOCATION MADE BY NRLDC AT DELHI PERIPHERY
MADHYA PRADESH(WR)	143.439	140.792	140.792	137.382
MADHYA PRADESH(WR-ER)	0.000	0.000	0.000	0.000
NAGALAND	0.000	0.000	0.000	0.000
URS	61.334	59.851	61.334	59.851
SIKKIM	22.595	22.335	22.335	21.796
GOA	0.000	0.000	0.000	0.000
MAHARASHTRA	0.000	0.000	0.000	0.000
MEGHALAYA	0.000	0.000	0.000	0.000
RAJASTHAN	70.814	69.662	69.662	67.971
JAMMU & KASHMIR	0.000	0.000	0.000	0.000
TO ANDHRA(ER)	-0.890	-0.914	-0.914	-0.939
TO MAHARASHTRA	0.000	0.000	0.000	0.000
TO PUNJAB	-37.411	-37.784	-37.784	-38.702
TO HIMACHAL PRADESH	0.000	0.000	0.000	0.000
TO KERALA(ER)	-2.364	-2.412	-2.412	-2.472
TO KERALA (WR)	0.000	0.000	0.000	0.000
POWER EXCHANGE(IEX)	3.146	3.070	3.146	3.070
TO POWER EXCHANGE (IEX)	-181.614	-186.244	-181.614	-186.244
POWRER EXCHANGE(PX)	0.000	0.000	0.000	0.000
TO POWER EXCHANGE (PX)	-0.771	-0.791	-0.771	-0.791
TOTAL	**2452.946**	**2388.271**	**2195.439**	**2130.994**

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	1372.853	1339.417	1171.666	1143.168
NTPC - ER	89.870	87.693	63.983	62.428
NHPC	221.349	215.971	221.349	215.971
NPC	58.027	56.611	58.027	56.611
KOTESHWAR	6.552	6.393	6.552	6.393
NATHPA JHAKRI	114.661	111.876	114.661	111.876
TEHRI	75.500	73.673	75.500	73.673
TALA	22.572	22.022	22.572	22.022
JHAJJAR	92.941	90.620	70.925	69.146
TALCHER	0.000	0.000	0.000	0.000
DVC	112.548	111.245	111.245	108.552
CHATTISHGARH	12.019	11.832	11.832	11.550
ANDHRA	0.000	0.000	0.000	0.000
DVC TATA STEEL (NDPL)	31.702	31.351	31.351	30.599
ORISSA	54.687	54.055	54.055	52.750
KERALA	21.328	20.851	20.851	20.345
HIMACHAL PRADESH	37.620	37.236	37.236	36.338
WEST BENGAL	50.442	49.860	49.860	48.652
MADHYA PRADESH(WR)	143.439	140.792	140.792	137.382
MADHYA PRADESH(WR-ER)	0.000	0.000	0.000	0.000
NAGALAND	0.000	0.000	0.000	0.000
URS	61.334	59.851	61.334	59.851
GOA	0.000	0.000	0.000	0.000
MAHARASHTRA	0.000	0.000	0.000	0.000
MEGHALAYA	0.000	0.000	0.000	0.000
RAJASTHAN	70.814	69.662	69.662	67.971
JAMMU & KASHMIR	0.000	0.000	0.000	0.000
SIKKIM	22.595	22.335	22.335	21.796
POWER EXCHANGE(IEX)	3.146	3.070	3.146	3.070
POWER EXCHANGE(PX)	0.000	0.000	0.000	0.000
TOTAL	**2675.996**	**2616.416**	**2418.933**	**2360.143**

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(ER)	-0.890	-0.914	-0.914	-0.939
TO MAHARASHTRA	0.000	0.000	0.000	0.000
TO PUNJAB	-37.411	-37.784	-37.784	-38.702
TO HIMACHAL PRADESH	0.000	0.000	0.000	0.000
TO KERALA(ER)	-2.364	-2.412	-2.412	-2.472
TO KERALA (WR)	0.000	0.000	0.000	0.000
TO POWER EXCHANGE (IEX)	-181.614	-186.244	-181.614	-186.244
TO POWER EXCHANGE (PX)	-0.771	-0.791	-0.771	-0.791
TOTAL	**-223.050**	**-228.145**	**-223.495**	**-229.148**
TOTAL SCHEDULED DRAWAL FROM THE GRID	**2452.946**	**2388.271**	**2195.439**	**2130.994**
TOTAL CONSUMPTION INCLUDING AUX. OF GENERATING STNs. EXCLUDING BTPS				2689.857
NET CONSUMPTION				2670.622
AVAILABILITY WITHIN DELHI				795.938
ACTUAL DRAWAL FROM THE GRID				1874.684
OVER DRAWAL(+)/UNDER DRAWAL(-) FROM THE GRID ON THE BASIS OF SCHEDULED ALLOCATION MADE BY NRLDC TO DELHI AT PERIPHERY				-256.310
LOAD SHEDDING				**3.913**
UNRESTRICTED DEMAND (GROSS)				**2693.770**
UNRESTRICTED DEMAND (NET)				**2674.535**
MAX. NET CONSUMPTION				100.742Mus. ON 02.08.2011
MAX. LOAD SHEDDING				304W ON 25.08.2011 AT 15.00HRS.
PEAK LOAD DAY PEAK EVENING PEAK	Peak Demand during the month 5028MW AT 15.07.47HRS ON 02.08.2011 4854MW AT 22.30:00HRS ON 02.08.2011			SHEDDING AT PEAK TIME 3MW 14MW
P.L.F. OF GENCO AND PRAGATI STNs.	RPH GT PRAGATI RITHALA			70.67% 53.00% 90.47% 53.28%

9 SHEDDING DETAILS DURING THE MONTH OF AUGUST 2011.

ALL FIGURES IN MUs

DATE	No. of Under Freq. Relay Operated	Shedding due to under frequency relay operation in MUs					Shedding due to Grid Restrictions (Over drawal / low freq.)			
		BSES		NDPL	NDMC	TOTAL	BSES		NDPL	NDMC
		BYPL	BRPL				BYPL	BRPL		
1	2	3	4	5	6	7=3 to 6	8	9	10	11
1-Aug -11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
2- Aug -11	1	0.000	0.000	0.004	0.000	**0.004**	0.000	0.000	0.022	0.000
3- Aug -11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
4- Aug -11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
5- Aug -11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
6- Aug -11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
7- Aug -11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
8- Aug -11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
9- Aug -11	1	0.000	0.000	0.002	0.000	**0.002**	0.000	0.000	0.000	0.000
10- Aug -11	1	0.000	0.000	0.003	0.000	**0.003**	0.000	0.000	0.000	0.000
11- Aug -11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
12- Aug -11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
13- Aug -11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
14- Aug -11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
15- Aug -11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
16- Aug -11	4	0.002	0.000	0.005	0.000	**0.007**	0.000	0.000	0.000	0.000
17- Aug -11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
18- Aug -11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.002	0.000
19- Aug -11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
20- Aug -11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
21- Aug -11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
22- Aug -11	1	0.001	0.000	0.000	0.000	**0.001**	0.000	0.000	0.000	0.000
23- Aug -11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
24- Aug -11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
25- Aug -11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
26- Aug -11	1	0.000	0.000	0.008	0.000	**0.008**	0.000	0.000	0.000	0.000
27- Aug -11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
28- Aug -11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
29- Aug -11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
30- Aug -11	1	0.000	0.000	0.001	0.000	**0.001**	0.000	0.000	0.000	0.000
31- Aug -11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
Total	**0**	**0.003**	**0.000**	**0.023**	**0.000**	**0.026**	**0.000**	**0.000**	**0.024**	**0.000**

ALL FIGURES IN MUs

Date	Shedding due to Transmission/Grid Constraints in Central Sector Stations / TTC / ATC VOILATION				TOTAL	TOTAL SHEDDING DUE TO GRID RESTRICTIONS	Due to T&D Constraints				
							DTL				
	BSES		NDPL	NDMC			BSES		NDPL	NDMC	MES
	BYPL	BRPL					BYPL	BRPL			
1	12	13	14	15	**16=8to15**	**17=16+7**	18	19	20	21	22
1-Aug -11	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.014	0.902	0.000	0.000	0.000
2- Aug -11	0.000	0.000	0.000	0.000	**0.022**	**0.026**	0.006	0.012	0.004	0.000	0.000
3- Aug -11	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.101	0.000	0.000	0.000
4- Aug -11	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.081	0.057	0.000	0.000	0.000
5- Aug -11	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.057	0.000	0.000	0.000
6- Aug -11	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.104	0.017	0.000	0.000
7- Aug -11	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
8- Aug -11	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
9- Aug -11	0.000	0.000	0.000	0.000	**0.000**	**0.002**	0.000	0.124	0.000	0.006	0.000
10- Aug -11	0.000	0.000	0.000	0.000	**0.000**	**0.003**	0.000	0.000	0.000	0.000	0.000
11- Aug -11	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.010	0.000	0.000
12- Aug -11	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
13- Aug -11	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.012	0.000	0.007	0.000	0.000
14- Aug -11	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
15- Aug -11	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.025	0.012	0.000	0.000
16- Aug -11	0.000	0.000	0.000	0.000	**0.000**	**0.007**	0.000	0.000	0.000	0.000	0.000
17- Aug -11	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.003	0.000
18- Aug -11	0.000	0.000	0.000	0.000	**0.002**	**0.002**	0.003	0.000	0.008	0.000	0.000
19- Aug -11	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.004	0.000	0.000
20- Aug -11	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.074	0.000	0.000
21- Aug -11	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.077	0.002	0.000	0.000
22- Aug -11	0.000	0.000	0.000	0.000	**0.000**	**0.001**	0.000	0.030	0.005	0.000	0.000
23- Aug -11	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
24- Aug -11	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
25- Aug -11	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.044	0.198	0.002	0.000	0.000
26- Aug -11	0.000	0.000	0.000	0.000	**0.000**	**0.008**	0.000	0.000	0.000	0.000	0.000
27- Aug -11	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
28- Aug -11	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.014	0.018	0.000	0.000	0.000
29- Aug -11	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.001	0.000	0.010	0.000	0.000
30- Aug -11	0.000	0.000	0.000	0.000	**0.000**	**0.001**	0.030	0.008	0.000	0.000	0.000
31- Aug -11	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.012	0.000	0.000
Total	**0.000**	**0.000**	**0.000**	**0.000**	**0.024**	**0.050**	**0.205**	**1.713**	**0.167**	**0.009**	**0.000**

ALL FIGURES IN MUs

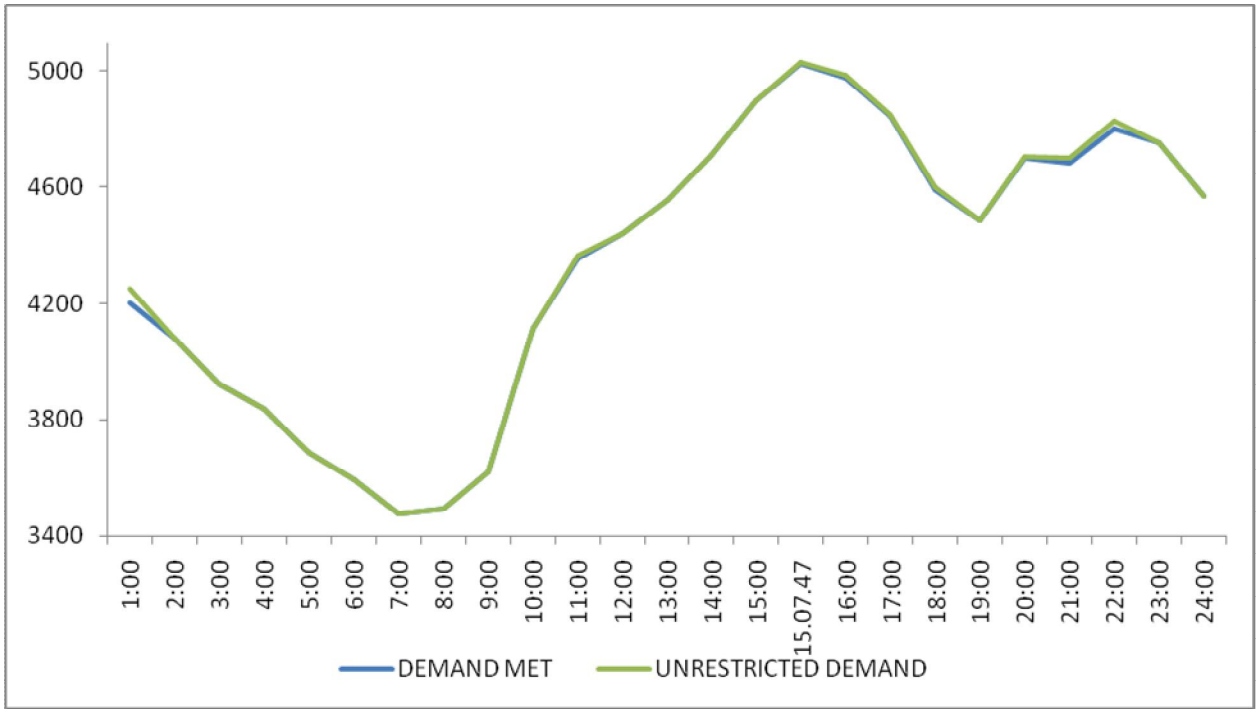
DATE	DUE TO T&D CONTRAINTS				OTHER AGENCIES LIKE GENCO, BBMB, BTPS ETC.	THEFT PRONE SHEDDING			TOTAL SHEDDING DUE TO T&D CONSTS. & THEFT PRONE	GRAND TOTAL
	DISCOMS									
	BSES		NDPL	NDMC		BSES		NDPL		
	BYPL	BRPL				BYPL	BRPL			
1	23	24	25		26	27	28	29	30=18 to29	31=30+17
1-Aug -11	0.027	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.943**	**0.943**
2- Aug -11	0.000	0.046	0.041	0.000	0.000	0.000	0.000	0.000	**0.109**	**0.135**
3- Aug -11	0.000	0.029	0.001	0.000	0.000	0.000	0.000	0.000	**0.131**	**0.131**
4- Aug -11	0.062	0.036	0.012	0.000	0.000	0.000	0.000	0.000	**0.248**	**0.248**
5- Aug -11	0.038	0.032	0.033	0.000	0.000	0.000	0.000	0.000	**0.160**	**0.160**
6- Aug -11	0.031	0.015	0.025	0.000	0.000	0.000	0.000	0.000	**0.192**	**0.192**
7- Aug -11	0.002	0.006	0.001	0.000	0.000	0.000	0.000	0.000	**0.009**	**0.009**
8- Aug -11	0.008	0.016	0.001	0.000	0.000	0.000	0.000	0.000	**0.025**	**0.025**
9- Aug -11	0.000	0.021	0.001	0.000	0.000	0.000	0.000	0.000	**0.152**	**0.154**
10- Aug -11	0.000	0.000	0.005	0.000	0.000	0.000	0.000	0.000	**0.005**	**0.008**
11- Aug -11	0.008	0.033	0.004	0.000	0.000	0.000	0.000	0.000	**0.055**	**0.055**
12- Aug -11	0.000	0.068	0.019	0.000	0.000	0.000	0.000	0.000	**0.087**	**0.087**
13- Aug -11	0.002	0.000	0.005	0.000	0.000	0.000	0.000	0.000	**0.026**	**0.026**
14- Aug -11	0.014	0.018	0.002	0.000	0.000	0.000	0.000	0.000	**0.034**	**0.034**
15- Aug -11	0.034	0.039	0.002	0.000	0.000	0.000	0.000	0.000	**0.112**	**0.112**
16- Aug -11	0.074	0.003	0.029	0.000	0.000	0.000	0.000	0.000	**0.106**	**0.113**
17- Aug -11	0.076	0.000	0.001	0.001	0.000	0.000	0.000	0.000	**0.081**	**0.081**
18- Aug -11	0.000	0.000	0.015	0.000	0.000	0.000	0.000	0.000	**0.026**	**0.028**
19- Aug -11	0.000	0.008	0.044	0.000	0.000	0.000	0.000	0.000	**0.056**	**0.056**
20- Aug -11	0.076	0.102	0.017	0.000	0.000	0.000	0.000	0.000	**0.269**	**0.269**
21- Aug -11	0.000	0.049	0.015	0.000	0.000	0.000	0.000	0.000	**0.143**	**0.143**
22- Aug -11	0.039	0.000	0.004	0.000	0.000	0.000	0.000	0.000	**0.078**	**0.079**
23- Aug -11	0.061	0.012	0.006	0.000	0.000	0.000	0.000	0.000	**0.079**	**0.079**
24- Aug -11	0.016	0.000	0.008	0.000	0.000	0.000	0.000	0.000	**0.024**	**0.024**
25- Aug -11	0.005	0.074	0.012	0.000	0.000	0.000	0.000	0.000	**0.335**	**0.335**
26- Aug -11	0.000	0.068	0.003	0.000	0.000	0.000	0.000	0.000	**0.071**	**0.079**
27- Aug -11	0.000	0.089	0.004	0.000	0.000	0.000	0.000	0.000	**0.093**	**0.093**
28- Aug -11	0.027	0.000	0.027	0.000	0.000	0.000	0.000	0.000	**0.086**	**0.086**
29- Aug -11	0.018	0.000	0.003	0.000	0.000	0.000	0.000	0.000	**0.032**	**0.032**
30- Aug -11	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.034	**0.082**	**0.083**
31- Aug -11	0.000	0.000	0.002	0.000	0.000	0.000	0.000	0.000	**0.014**	**0.014**
Total	**0.618**	**0.764**	**0.352**	**0.001**	**0.000**	**0.000**	**0.000**	**0.034**	**3.863**	**3.913**

DATE	(NET CONS.)	MAXI. DEMAND MET DURING THE DAY	TIME OF OCCUR-RENCE OF MAX DEMAND	SHEDDING AT THIS TIME	UN-REST-RICTED DEMAND	MAXIMUM UN-REST-RICTED DEMAND DURING THE DAY	TIME OF MAX. UN-REST. DEMAND	DEMAND AT THAT TIME	SHEDDING AT THAT TIME
	In Mus.	IN MW	IN HRS.	IN MW	IN MW	IN MW	HRS.	IN MW	IN MW
1	32	33	34	35	36=33+35	37=39+40	38	39	40
1-Aug -11	95.239	**4850**	15:07:28	18	**4868**	**4868**	15:07:28	**4850**	18
2- Aug -11	100.742	**5028**	15:07:47	3	**5031**	**5031**	15:07:47	**5028**	3
3- Aug -11	97.321	**4743**	22:59:10	13	**4756**	**4756**	22:59:10	**4743**	13
4- Aug -11	94.528	**4555**	22:43:44	0	**4555**	**4555**	22:43:44	**4555**	0
5- Aug -11	94.518	**4603**	15:17:49	2	**4605**	**4605**	15:17:49	**4603**	2
6- Aug -11	90.134	**4380**	22:58:58	0	**4380**	**4380**	22:58:58	**4380**	0
7- Aug -11	86.568	**4440**	23:11:59	4	**4444**	**4444**	23:11:59	**4440**	4
8- Aug -11	93.095	**4625**	22:53:50	0	**4625**	**4625**	22:53:50	**4625**	0
9- Aug -11	92.514	**4488**	15:08:39	0	**4488**	**4488**	15:08:39	**4488**	0
10- Aug -11	91.369	**4322**	16:03:04	0	**4322**	**4322**	16:03:04	**4322**	0
11- Aug -11	89.597	**4265**	16:10:47	9	**4274**	**4274**	16:10:47	**4265**	9
12- Aug -11	83.721	**4048**	12:22:15	0	**4048**	**4048**	12:22:15	**4048**	0
13- Aug -11	75.000	**3666**	00:00:04	0	**3666**	**3666**	00:00:04	**3666**	0
14- Aug -11	71.154	**3495**	00:00:24	0	**3495**	**3495**	00:00:24	**3495**	0
15- Aug -11	60.337	**3510**	00:00:04	0	**3510**	**3510**	00:00:04	**3510**	0
16- Aug -11	71.876	**3635**	19:58:20	4	**3639**	**3639**	19:58:20	**3635**	4
17- Aug -11	77.853	**3980**	19:41:26	0	**3980**	**3980**	19:41:26	**3980**	0
18- Aug -11	83.703	**4223**	19:40:08	0	**4223**	**4223**	19:40:08	**4223**	0
19- Aug -11	85.221	**4054**	19:56::34	0	**4054**	**4054**	19:56::34	**4054**	0
20- Aug -11	80.885	**3965**	19:32:52	7	**3972**	**3972**	19:32:52	**3965**	7
21- Aug -11	82.293	**4169**	22:52:38	0	**4169**	**4169**	22:52:38	**4169**	0
22- Aug -11	83.660	**4294**	23:23:26	0	**4294**	**4294**	23:23:26	**4294**	0
23- Aug -11	89.990	**4308**	12:00:57	11	**4319**	**4319**	12:00:57	**4308**	11
24- Aug -11	83.008	**4073**	14:55:56	0	**4073**	**4073**	14:55:56	**4073**	0
25- Aug -11	84.808	**4241**	16:04:43	0	**4241**	**4310**	15:00	**4006**	304
26- Aug -11	86.508	**4294**	19:34:15	0	**4294**	**4294**	19:34:15	**4294**	0
27- Aug -11	85.468	**4171**	20:04:00	0	**4171**	**4171**	20:04:00	**4171**	0
28- Aug -11	83.204	**4264**	22:42:29	5	**4269**	**4269**	22:42:29	**4264**	5
29- Aug -11	91.475	**4498**	22:54:43	1	**4499**	**4499**	22:54:43	**4498**	1
30- Aug -11	92.044	**4580**	15:34	0	**4580**	**4580**	15:34	**4580**	0
31- Aug -11	92.789	**4621**	22:56:10	2	**4623**	**4623**	22:56:10	**4621**	2
Total	**2670.622**	**5028** 02.08.2011	**15:07:47**	3	**5031**	**5031** 02.08.2011	**15:07:47**	**5028**	3

10 LOAD PATTERN OF DELHI ON THE DAY OF PEAK DEMAND MET DURING AUGUST 2011 ON 02.08.2011 –5028MW at 15:07:47HRS.

All figures in MW

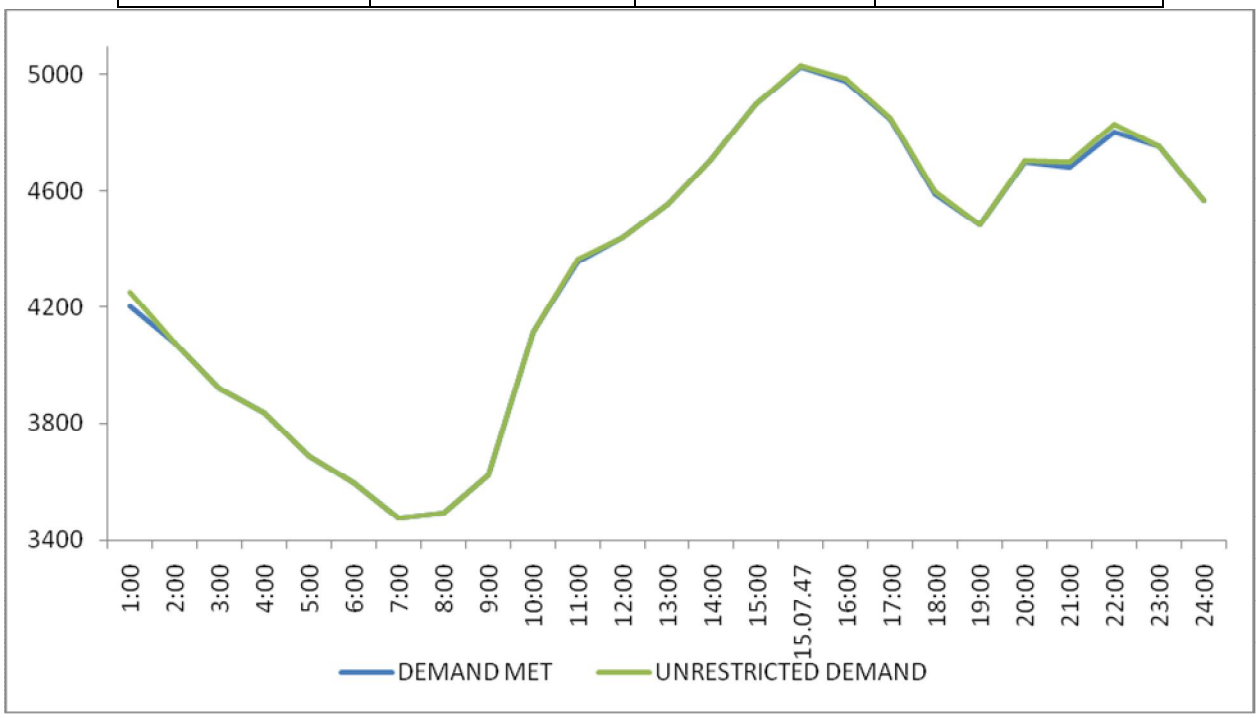
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1:00	4204	48	4252
2:00	4078	0	4078
3:00	3918	0	3918
4:00	3836	0	3836
5:00	3687	0	3687
6:00	3593	0	3593
7:00	3476	0	3476
8:00	3491	0	3491
9:00	3622	0	3622
10:00	4116	0	4116
11:00	4355	11	4366
12:00	4442	0	4442
13:00	4553	3	4556
14:00	4707	0	4707
15:00	4899	0	4899
15.07.47	**5028**	**3**	**5031**
16:00	4979	8	4987
17:00	4845	7	4852
18:00	4592	6	4598
19:00	4485	0	4485
20:00	4699	7	4706
21:00	4681	17	4698
22:00	4802	25	4827
23:00	4751	2	4753
24:00	4568	0	4568
ENERGY IN MUS	**100.742**	**0.135**	**100.877**



11 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UN-RESTRICTED DEMAND DURING AUGUST 2011 ON 02.08.2011 –5031MW at 15:07:47HRS.

All figures in MW

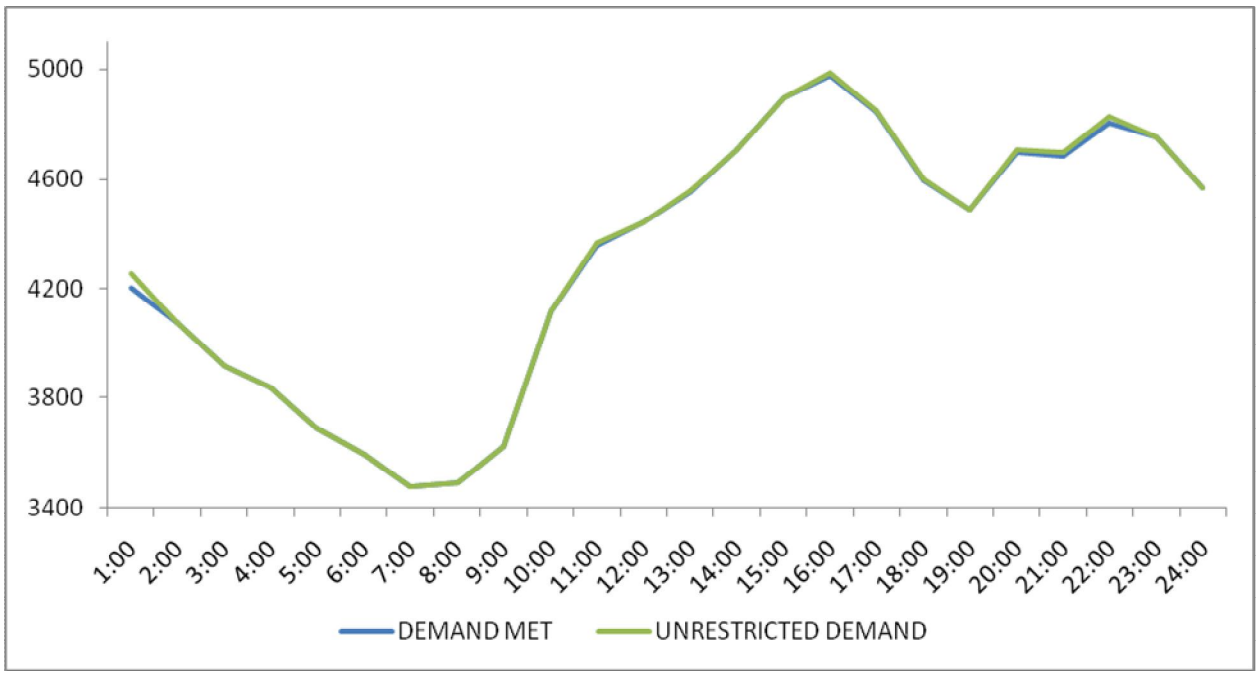
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1:00	4204	48	4252
2:00	4078	0	4078
3:00	3918	0	3918
4:00	3836	0	3836
5:00	3687	0	3687
6:00	3593	0	3593
7:00	3476	0	3476
8:00	3491	0	3491
9:00	3622	0	3622
10:00	4116	0	4116
11:00	4355	11	4366
12:00	4442	0	4442
13:00	4553	3	4556
14:00	4707	0	4707
15:00	4899	0	4899
15.07.47	**5028**	**3**	**5031**
16:00	4979	8	4987
17:00	4845	7	4852
18:00	4592	6	4598
19:00	4485	0	4485
20:00	4699	7	4706
21:00	4681	17	4698
22:00	4802	25	4827
23:00	4751	2	4753
24:00	4568	0	4568
ENERGY IN MUS	**100.742**	**0.135**	**100.877**



12 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM ENERGY CONSUMED DURING AUGUST 2011 – 02.08.2011 – 100.742 Mus

All figures in MW

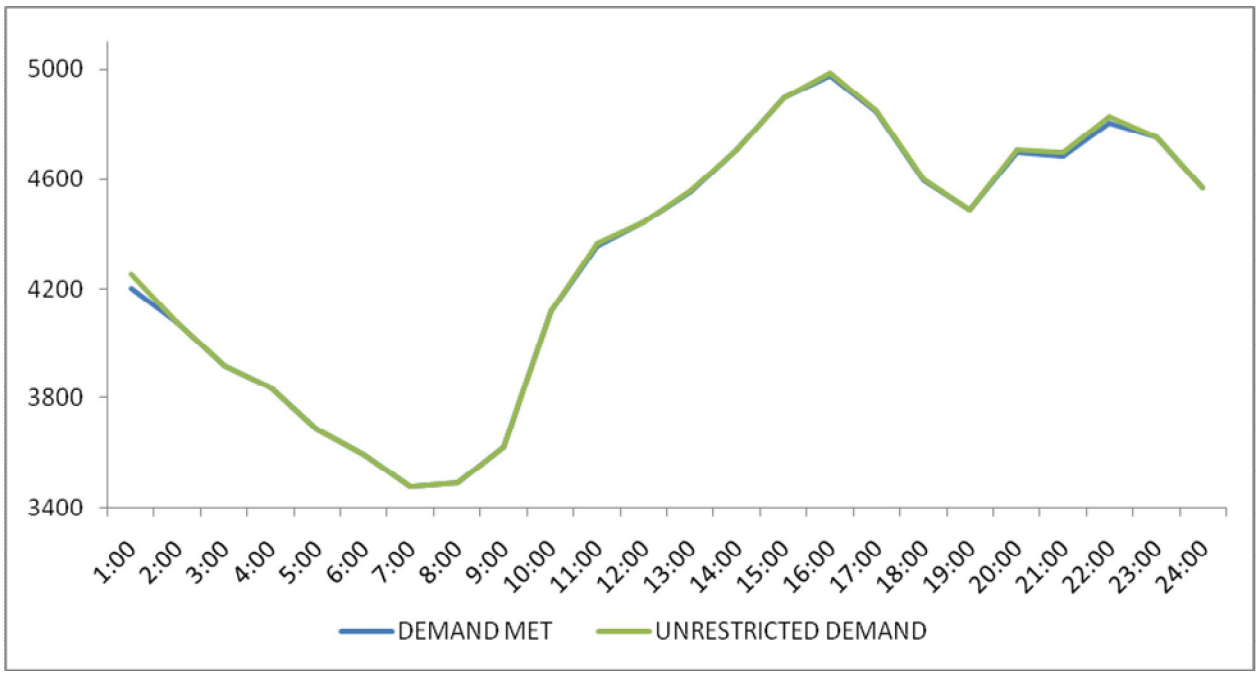
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1:00	4204	48	4252
2:00	4078	0	4078
3:00	3918	0	3918
4:00	3836	0	3836
5:00	3687	0	3687
6:00	3593	0	3593
7:00	3476	0	3476
8:00	3491	0	3491
9:00	3622	0	3622
10:00	4116	0	4116
11:00	4355	11	4366
12:00	4442	0	4442
13:00	4553	3	4556
14:00	4707	0	4707
15:00	4899	0	4899
16:00	4979	8	4987
17:00	4845	7	4852
18:00	4592	6	4598
19:00	4485	0	4485
20:00	4699	7	4706
21:00	4681	17	4698
22:00	4802	25	4827
23:00	4751	2	4753
24:00	4568	0	4568
ENERGY IN MUS	**100.742**	**0.135**	**100.877**



13 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UNRESTRICTED ENERGY DEMAND DURING AUGUST 2011 – 02.08.2011 – 100.877 Mus

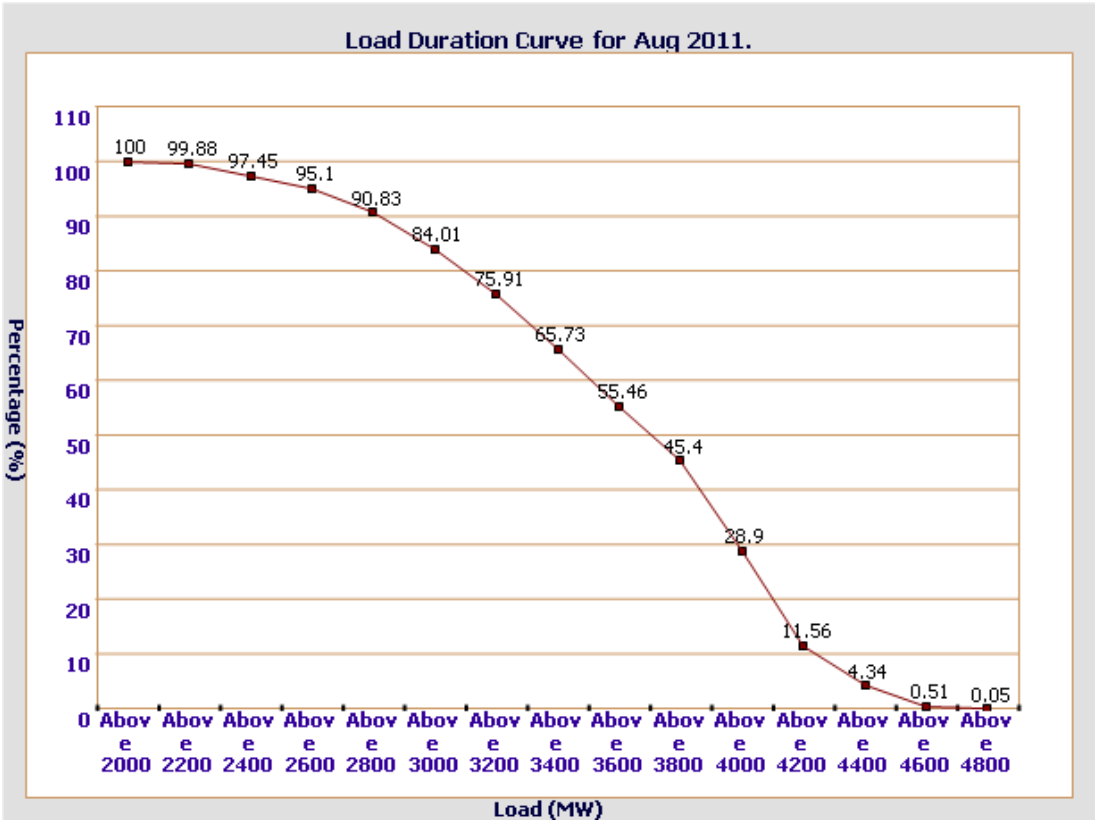
All figures in MW

Hrs.	Demand	Load Shedding	Un-Restricted Demand
1:00	4204	48	4252
2:00	4078	0	4078
3:00	3918	0	3918
4:00	3836	0	3836
5:00	3687	0	3687
6:00	3593	0	3593
7:00	3476	0	3476
8:00	3491	0	3491
9:00	3622	0	3622
10:00	4116	0	4116
11:00	4355	11	4366
12:00	4442	0	4442
13:00	4553	3	4556
14:00	4707	0	4707
15:00	4899	0	4899
16:00	4979	8	4987
17:00	4845	7	4852
18:00	4592	6	4598
19:00	4485	0	4485
20:00	4699	7	4706
21:00	4681	17	4698
22:00	4802	25	4827
23:00	4751	2	4753
24:00	4568	0	4568
ENERGY IN MUS	**100.742**	**0.135**	**100.877**



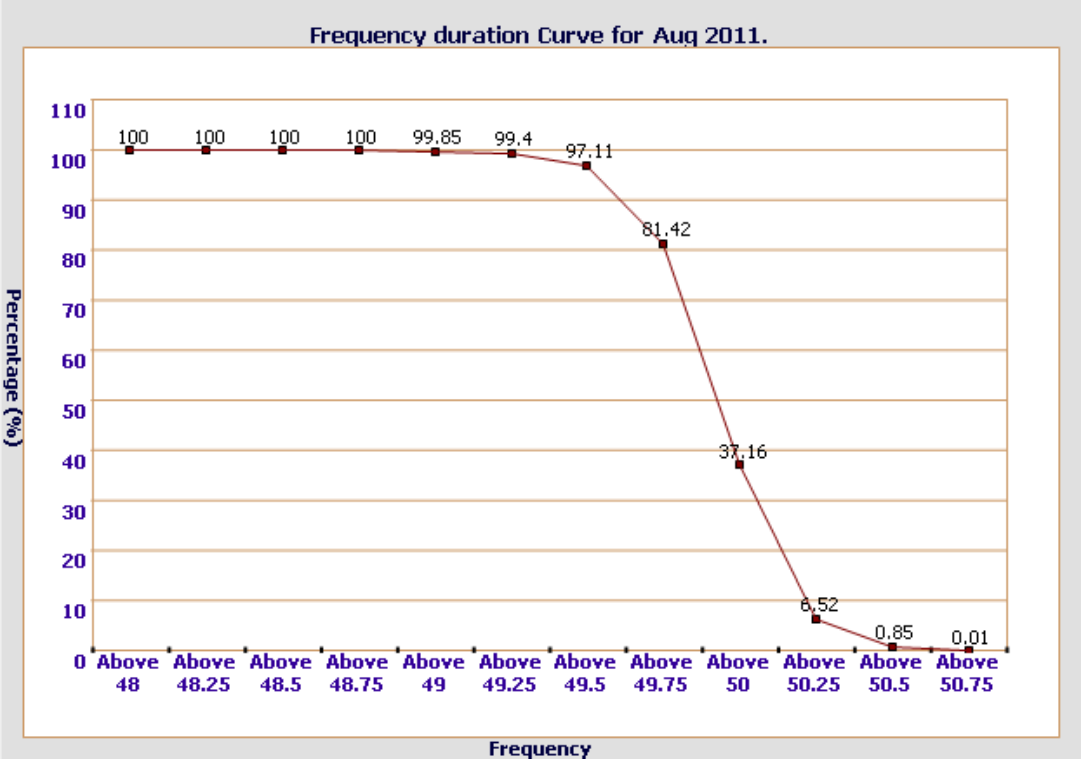
14 LOAD DURATION CURVE FOR AUGUST 2011

Load in MW	Percentage of Time
Above 2000	100 %
Above 2200	99.88 %
Above 2400	97.45 %
Above 2600	95.1 %
Above 2800	90.83 %
Above 3000	84.01 %
Above 3200	75.91 %
Above 3400	65.73 %
Above 3600	55.46 %
Above 3800	45.4 %
Above 4000	28.9 %
Above 4200	11.56 %
Above 4400	4.34 %
Above 4600	0.51 %
Above 4800	0.05 %



15 FREQUENCY ANALYSIS FOR THE MONTH OF AUGUST 2011

Frequency Range in Hz.	Percentage of time
Above 48.75	100 %
Above 49	99.85 %
Above 49.25	99.4 %
Above 49.5	97.11 %
Above 49.75	81.42 %
Above 50	37.16 %
Above 50.25	6.52 %
Above 50.5	0.85 %
Above 50.75	0.01 %



16 VOLTAGE PROFILE OF 220 KV SUB-STATIONS IN DELHI DURING AUGUST 2011

All figures in kV

Date	NARELA		GAZIPUR	
	Max	Min	Max	Min
1-Aug -11	--	--	--	--
2- Aug -11	--	--	--	--
3- Aug -11	--	--	--	--
4- Aug -11	225.05	214.48	224.02	209.83
5- Aug -11	226.86	212.67	223.63	211.77
6- Aug -11	230.47	213.44	225.31	181.59
7- Aug -11	--	--	--	--
8- Aug -11	--	--	--	--
9- Aug -11	226.73	212.67	226.34	212.80
10- Aug -11	228.79	215.12	226.71	214.73
11- Aug -11	229.95	216.93	226.73	213.70
12- Aug -11	229.18	218.99	228.09	--
13- Aug -11	230.73	220.28	228.28	219.51
14- Aug -11	228.28	220.80	228.53	219.76
15- Aug -11	235.89	225.57	232.40	220.41
16- Aug -11	230.47	219.79	230.47	--
17- Aug -11	233.05	217.18	229.44	216.41
18- Aug -11	230.47	216.67	227.24	215.64
19- Aug -11	230.60	220.15	226.73	--
20- Aug -11	--	--	--	--
21- Aug -11	229.31	221.57	226.34	215.25
22- Aug -11	229.82	216.41	225.44	213.70
23- Aug -11	227.50	213.83	225.57	213.70
24- Aug -11	229.82	--	227.89	214.35
25- Aug -11	228.66	217.57	226.08	213.96
26- Aug -11	226.73	213.96	226.08	213.32
27- Aug -11	--	--	--	--
28- Aug -11	--	--	--	--
29- Aug -11	--	--	--	--
30- Aug -11	--	--	--	--
31- Aug -11	--	--	--	--

17 VOLTAGE PROFILE OF 400 KV SUB-STATIONS IN DELHI DURING AUGUST 2011

All figures in kV

Date	400kV Bamnauli Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
1-Aug -11	--	--	--	--	--
2- Aug -11	--	--	--	--	--
3- Aug -11	--	--	--	--	--
4- Aug -11	407.78	06.04.13	382.92	00.00.05	395.67
5- Aug -11	406.84	00.00.00	386.91	14.28.26	397.72
6- Aug -11	410.12	06.06.09	389.72	14.36.39	399.68
7- Aug -11	--	--	--	--	--
8- Aug -11	--	--	--	--	--
9- Aug -11	414.34	08.01.14	388.55	14.36.17	398.99
10- Aug -11	414.34	07.34.21	392.77	14.31.25	403.27
11- Aug -11	414.81	07.34.53	393.94	14.56.32	403.18
12- Aug -11	415.75	08.56.41	399.10	14.41.52	405.03
13- Aug -11	416.22	06.04.34	400.27	12.34.56	409.10
14- Aug -11	415.98	06.09.04	400.51	19.15.08	407.78
15- Aug -11	421.61	07.22.01	400.98	19.13.49	413.60
16- Aug -11	419.50	03.58.46	394.88	09.16.13	408.93
17- Aug -11	418.33	03.56.45	395.58	13.42.25	406.12
18- Aug -11	413.87	04.06.14	391.36	13.57.10	404.78
19- Aug -11	414.81	06.07.11	395.58	19.13.12	405.54
20- Aug -11	--	--	--	--	--
21- Aug -11	412.47	06.04.04	392.30	19.39.48	403.86
22- Aug -11	411.53	06.06.40	387.85	20.00.55	398.70
23- Aug -11	409.65	08.01.04	389.02	00.12.58	399.28
24- Aug -11	415.75	08.06.13	389.72	19.16.20	397.82
25- Aug -11	410.83	08.03.02	389.25	14.47.09	396.06
26- Aug -11	410.12	07.38.53	386.91	14.52.48	399.85
27- Aug -11	--	--	--	--	--
28- Aug -11	--	--	--	--	--
29- Aug -11	--	--	--	--	--
30- Aug -11	--	--	--	--	--
31- Aug -11	--	--	--	--	--

Date	400kV Bawana Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
1-Aug -11	--	--	--	--	--
2- Aug -11	--	--	--	--	--
3- Aug -11	--	--	--	--	--
4- Aug -11	409.18	06.04.23	386.67	00.00.05	398.21
5- Aug -11	408.01	00.00.00	389.96	14.27.46	399.93
6- Aug -11	411.30	06.06.29	392.77	14.37.09	401.96
7- Aug -11	--	--	--	--	--
8- Aug -11	--	--	--	--	--
9- Aug -11	414.81	08.00.44	391.60	14.36.17	401.60
10- Aug -11	415.75	07.35.31	394.88	15.18.41	405.44
11- Aug -11	415.75	07.34.33	396.29	14.56.32	405.62
12- Aug -11	416.92	07.56.31	400.74	14.41.22	407.10
13- Aug -11	416.92	08.14.51	402.15	12.38.57	410.93
14- Aug -11	416.92	06.09.54	403.09	19.13.58	409.68
15- Aug -11	423.02	07.22.01	405.20	19.13.29	415.63
16- Aug -11	422.55	09.59.26	400.27	09.16.13	412.29
17- Aug -11	419.74	04.04.26	397.93	13.46.35	408.53
18- Aug -11	416.92	08.07.28	393.71	13.57.10	407.80
19- Aug -11	415.75	06.01.51	399.57	19.12.02	408.05
20- Aug -11	--	--	--	--	--
21- Aug -11	414.34	08.04.21	396.05	19.41.08	406.27
22- Aug -11	412.47	06.07.20	392.77	14.36.48	401.55
23- Aug -11	412.47	08.01.04	393.94	00.12.48	402.58
24- Aug -11	416.92	08.05.53	393.24	19.16.30	400.27
25- Aug -11	412.00	08.03.02	392.77	14.47.09	398.79
26- Aug -11	411.53	07.38.43	391.13	14.52.38	402.54
27- Aug -11	--	--	--	--	--
28- Aug -11	--	--	--	--	--
29- Aug -11	--	--	--	--	--
30- Aug -11	--	--	--	--	--
31- Aug -11	--	--	--	--	--

18 DETAILS OF LUMPED CAPACITORS AT NEAREST 220 KV SUBSTATION

Sl. No	SUB-STATION	INSTALLED CAPACITY IN MVAR				Load IN		WORKING CAPACITY IN MVAR				Lumped Load IN	
		66KV	33kV	11kV	**TOTAL**	MW	MVAR	66KV	33kV	11kV	**TOTAL**	MW	MVAR
1	**IP YARD**		30		**30**				30		**30**		
1	Kamla Market			16.35	**16.35**					16.35	**16.35**	8	
2	Minto Road												
3	GB Pant Hosp			15.88	**15.88**					10.48	**10.48**	5	
4	Delhi Gate			10.9	**10.9**					10.9	**10.9**	8	
5	Tilakmarg			5.04	**5.04**					5.04	**5.04**	12	
6	Electric Lane			5.04	**5.04**					5.04	**5.04**	19	
7	Cannaught Place			10.08	**10.08**					10.08	**10.08**	20	
8	Kilokri		10.08	10.48	**20.56**				0	5.03	**5.03**	4	
9	NDSE			5.03	**5.03**					5.03	**5.03**	6	
10	AIIMS		10	5.04	**15.04**				10	5.04	**15.04**	18	
11	Nizamuddin												
12	Exhibition-I		10		**10**				0		**0**	11	
13	Exhibition-II												
14	Defence Colony												
15	IG Stadium		10.08	5.45	**15.53**				0	5.45	**5.45**	4	
16	Lajpat Nagar												
17	IP Estate			10.9	**10.9**					5.45	**5.45**		
	Total				**170.4**	239	11	**0**	**40**	**83.89**	**123.9**	**115**	
2	**IP Extn.**												
1	School Lane			5.04	**5.04**					5.04	**5.04**	51	
2	Scindia House			5.04	**5.04**					5.04	**5.04**		
3	Vidyut Bhawan			10.08	**10.08**					10.08	**10.08**	52	
4	Nirman Bhawan			5.04	**5.04**					5.04	**5.04**	30	
5	Dalhousie Road			5.04	**5.04**					5.04	**5.04**		
	Total				**30.24**	129	12	**0**	**0**	**30.24**	**30.24**	**133**	
3	**RPH Station**		20	5.04	**25.04**				20	5.04	**25.04**		
1	Lahori Gate			10.49	**10.49**					10.49	**10.49**	7	
2	Jama Masjid			5.03	**5.03**					5.03	**5.03**	8	
4	Kamla Market												
5	Minto Road			10.9	**10.9**					10.9	**10.9**	6	
6	GB Pant Hosp												
7	IG Stadium												
	Total				**51.46**	100	30	**0**	**20**	**31.46**	**51.46**	**21**	
4	**Parkstreet S/stn**	20	20		**40**			20	20		**40**		
1	Shastri Park		10.896	5.45	**16.35**				10.896	5.45	**16.35**	47	
2	Faiz Road			10.9	**10.9**					10.9	**10.9**	12	
3	Motia Khan			16.3	**16.3**					16.3	**16.3**	11	
4	Prasad Nagar			16.25	**16.25**					16.25	**16.25**	11	
5	Anand Parbat			10.8	**10.8**					7.2	**7.2**	7	
6	Shankar Road			5.04	**5.04**					5.04	**5.04**	8	
7	Rama Road			14.4	**14.4**					7.2	**7.2**	3	
8	Baird Road			10.08	**10.08**					10.08	**10.08**	22	
9	Hanuman Road			5.04	**5.04**					0	**0**	11	
10	Pusa			7.2	**7.2**					7.2	**7.2**	7	
11	Ridge Valley											53	
12	SJ Airport			5.04	**5.04**					0	**0**	9	
13	B. D. Marg											11	
	Total				**157.4**	233	41	**20**	**30.9**	**85.62**	**136.5**	**212**	

Sl. No	SUB-STATION	INSTALLED CAPACITY IN MVAR				Load IN		WORKING CAPACITY IN MVAR				Lumped Load IN	
		66KV	33kV	11kV	**TOTAL**	MW	MVAR	66KV	33kV	11kV	**TOTAL**	MW	MVAR
5	**Naraina S/stn**		20	5.04	**25.04**				20	0	**20**		
1	DMS			10.85	**10.85**					10.85	**10.85**	6	
2	Mayapuri		10.87	5	**15.87**				10.87	5	**15.87**	13	
3	Inderpuri		13.26	5.04	**18.3**				0	5.04	**5.04**	7	
4	Rewari line			7.2	**7.2**					7.2	**7.2**		
5	Khyber Lane			5.04	**5.04**					5.04	**5.04**		
6	Kirbi Place	10		5.97	**15.97**			10		5.97	**15.97**		
7	Payal			14.4	**14.4**					7.2	**7.2**	4	
	Total				**112.7**	140	21	**10**	**30.87**	**46.3**	**87.17**	**30**	
6	**Mehrauli S/stn**	80		5.04	**85.04**			60		5.04	**65.04**		
1	Adchini			15.12	**15.12**					10.08	**10.08**	9	
2	Andheria Bagh			10.85	**10.85**					10.85	**10.85**	7	
3	IIT			10.9	**10.9**					5.45	**5.45**	7	
4	JNU		10.03	10.08	**20.11**				10.03	5.04	**15.07**	23	
5	Bijwasan			10.08	**10.08**					5.04	**5.04**	6	
6	DC Saket		10.08	4.54	**14.62**				0	0	**0**	10	
7	Malviya Nagar												
8	C Dot			5.4	**5.4**					0	**0**	3	
9	Vasant kunj B-Blk	21.79		10.9	**32.69**			0		0	**0**	2	
10	Vasant kunj C-Blk	20.16		10.49	**30.65**			0		0	**0**	2	
11	Palam											12	
12	IGNOU											2	
13	R. K. Puram-I			10.08	**10.08**					10.08	**10.08**	6	
14	Vasant Vihar			15.12	**15.12**					15.12	**15.12**	8	
15	Pusp Vihar			9.6	**9.6**					9.6	**9.6**		
16	Bhikaji Cama Place		10	10.08	**20.08**				10	5.04	**15.04**	9	
	Total				**290.3**	213	32	**60**	**20.03**	**81.34**	**161.4**	**106**	
7	**Vasantkunj S/stn**	40		5.04	**45.04**			40		5.04	**45.04**		
1	R. K. Puram-II			7.2	**7.2**					0	**0**	4	
2	Vasant kunj C-Blk										**0**		
3	Vasant kunj D-Blk	20.16		10.25	**30.41**			0		0	**0**	1	
4	Race Course			5.04	**5.04**					5.04	**5.04**		
5	Bapu Dham			10.08	**10.08**					10.08	**10.08**	24	
6	Nehru Park			10	**10**					10	**10**	8	
7	Ridge Valley										**0**		
	Total				**107.8**	244	35	**40**	**0**	**30.16**	**70.16**	**37**	
8	**Okhla S/stn**	60	10	5.04	**75.04**			60	10	5.04	**75.04**		
1	Balaji			7.2	**7.2**					3.6	**3.6**	6	
2	East of Kailash			10	**10**					5	**5**	13	
3	Alaknanda			16.25	**16.25**					10.85	**10.85**	9	
4	Malviya Nagar	21.79	20.16	10.49	**52.44**			21.79	20.16	10.49	**52.44**	77	
5	Masjid Moth			15.94	**15.94**					5.04	**5.04**	7	
6	Nehru Place			21.35	**21.35**					21.35	**21.35**	20	
7	Okhla Ph-I	21.79		10.9	**32.69**			21.79		0	**21.79**	6	
8	Okhla Ph-II		20.93	15.53	**36.46**				10.9	15.53	**26.43**	13	
9	Shivalik			10.9	**10.9**					10.9	**10.9**	9	
10	Batra			15.8	**15.8**					15.8	**15.8**	5	
11	VSNL			10.8	**10.8**					0	**0**	7	
12	Siri Fort			10.49	**10.49**					5.04	**5.04**	9	
13	Tuglakabad			10.8	**10.8**					0	**0**	11	
	Total				**326.2**	360	52	**103.6**	**41.06**	**108.6**	**253.3**	**192**	

Sl. No	SUB-STATION	INSTALLED CAPACITY IN MVAR				Load IN		WORKING CAPACITY IN MVAR				Lumped Load IN	
		66KV	33kV	11kV	**TOTAL**	MW	MVAR	66KV	33kV	11kV	**TOTAL**	MW	MVAR
9	**Lodhi Road S/stn**		20		**20**				20		**20**		
1	Defence Colony			10.9	**10.9**					5.45	**5.45**	13	
2	Hudco			10.9	**10.9**					0	**0**	7	
4	Lajpat Nagar			10.9	**10.9**					0	**0**	6	
5	Nizamuddin			10.49	**10.49**					10.49	**10.49**	10	
6	Vidyut Bhawan										**0**	6	
7	Kidwai Nagar			5.04	**5.04**					5.04	**5.04**	9	
8	Ex. Gr. II										**0**		
9	IHC										**0**		
	Total				**68.23**	157	61	**0**	**20**	**20.98**	**40.98**	**51**	
10	**Sarita Vihar S/stn**	20		5.04	**25.04**			20		5.04	**25.04**		
1	Sarita Vihar			10.08	**10.08**					10.08	**10.08**	13	
2	MCIE			10.06	**10.06**					0	**0**	4	
3	Mathura Road	20.16		10.08	**30.24**			20.16		5.04	**25.2**	3	
4	Jamia Millia			5.4	**5.4**					0	**0**	4	
5	Sarai Julena		10.08	10.9	**20.98**				10.08	10.9	**20.98**	14	
	Total				**101.8**	140	-3	**40.16**	**10.08**	**31.06**	**81.3**	**38**	
11	**South of Wazirabad**										**0**		
1	Bhagirathi		10.03	10.9	**20.93**				0	10.9	**10.9**	10	
2	Ghonda	21.79	22.56	15.94	**60.29**			0	0	15.94	**15.94**	20	
3	Seelam Pur		10.08	21.39	**31.47**				0	10.9	**10.9**	10	
4	Dwarkapuri			15.46	**15.46**					15.46	**15.46**	8	
5	Nandnagri	20.16		16.35	**36.51**			20.16		10.9	**31.06**	4	
6	Yamuna Vihar			10.8	**10.8**					1.8	**1.8**	5	
7	East of Loni Road			10.8	**10.8**					10.8	**10.8**	3	
8	Shastri Park			10.9	**10.9**					5.45	**5.45**	10	
9	Karawal Nagar			5.4	**5.4**					5.4	**5.4**	9	
	Total				**202.6**	214	64	**20.16**	**0**	**87.55**	**107.7**	**79**	
12	**Geeta Colony**										**0**		
1	Geeta Colony			10.49	**10.49**					10.49	**10.49**	12	
2	Kanti Nagar			10.9	**10.9**					10.9	**10.9**	8	
3	Kailash Nagar			15.48	**15.48**					5.45	**5.45**	12	
4	Seelam Pur										**0**		
5	Shakar Pur										**0**	6	
	Total				**36.87**	105	45	**0**	**0**	**26.84**	**26.84**	**32**	
13	**Gazipur S/stn**	40		5.04	**45.04**			40		5.04	**45.04**		
1	Dallupura	21.79		10.9	**32.69**			0		10.9	**10.9**	2	
2	Vivek Vihar			10.57	**10.57**					5.03	**5.03**	18	
3	GT Road			10.85	**10.85**					10.85	**10.85**	7	
4	Kondli	20.16		10.85	**31.01**			0		5.45	**5.45**	3	
5	MVR-I			10.9	**10.9**					0	**0**		
6	MVR-II	20.16		10.9	**31.06**			0		10.9	**10.9**		
7	PPG Ind. Area			10.06	**10.06**					0	**0**	2	
	Total				**182.2**	164	0	**40**	**0**	**48.17**	**88.17**	**32**	
14	**Patparganj S/stn**	40	20	5.04	**65.04**			40	10	5.04	**55.04**		
1	GH-I	19.89		10.45	**30.34**			0		10.45	**10.45**	2	
2	GH-II	20.09		10.9	**30.99**			0		0	**0**	3	
3	CBD		10.03	15.48	**25.51**				0	15.48	**15.48**	9	
4	Guru Angad Nagar			15.49	**15.49**					15.49	**15.49**	11	
5	Karkadooma		10.08	10.44	**20.52**				10.08	10.44	**20.52**	6	
6	Preet Vihar			10.07	**10.07**					5.04	**5.04**	9	

Sl. No	SUB-STATION	INSTALLED CAPACITY IN MVAR				Load IN		WORKING CAPACITY IN MVAR				Lumped Load IN	
		66KV	33kV	11kV	**TOTAL**	MW	MVAR	66KV	33kV	11kV	**TOTAL**	MW	MVAR
7	CBD-II			7.2	**7.2**					0	**0**	4	
8	Shakarpur			5.4	**5.4**					3.6	**3.6**		
9	Jhilmil			9	**9**					0	**0**	5	
10	Dilshad Garden	20.16		16.35	**36.51**			0		0	**0**	4	
11	Khichripur	21.79		10.49	**32.28**			0		5.45	**5.45**	7	
12	Mother Dairy										**0**		
13	Scope Building										**0**		
14	Vivek Vihar										**0**		
15	Akhardham			14.4	**14.4**					0	**0**		
	Total				**302.8**	169	-25	**40**	**20.08**	**70.99**	**131.1**	**60**	
15	**Najafgarh S/stn**	60		5.04	**65.04**			60		5.04	**65.04**		
1	A4 Paschim Vihar			10.9	**10.9**					5.45	**5.45**	6	
2	Nangloi	21.73		15.85	**37.58**			21.73		10.85	**32.58**	39	
3	Nangloi W/W	20.89		5.45	**26.34**			20.89		5.45	**26.34**	3	
4	Pankha Road			15.69	**15.69**					15.69	**15.69**	6	
5	Jaffarpur			15.49	**15.49**					0	**0**	3	
7	Inst. Area Janakpuri			15.9	**15.9**					5.45	**5.45**		
8	Paschimpuri		10.05	15.53	**25.58**				0	5.04	**5.04**	9	
9	Paschim Vihar	41.83		15.44	**57.27**			20.1		15.44	**35.54**	36	
10	Mukherjee Park			15.49	**15.49**					15.49	**15.49**	11	
11	Udyog Nagar			10.04	**10.04**					0	**0**	8	
12	Choukhandi			10.08	**10.08**					0	**0**	7	
	Total				**305.4**	322	38	**122.7**	**0**	**83.9**	**206.6**	**128**	
16	**Pappankalan-I S/stn**	20		5.04	**25.04**			20		5.04	**25.04**		
1	Bindapur	21.73		15.9	**37.63**			0		5	**5**	6	
2	Bodella-I	20.1		15.9	**36**			20.1		15.9	**36**	6	
3	Bodella-II	21.73		14.53	**36.26**			0		14.53	**14.53**	6	
4	DC Janakpuri			10.04	**10.04**					10.04	**10.04**	8	
5	G-2 PPK			10.9	**10.9**					10.9	**10.9**	3	
6	G-5 PPK			15.53	**15.53**					15.53	**15.53**	6	
7	G-6 PPK			5.45	**5.45**					5.45	**5.45**	5	
8	G-15 PPK			10.08	**10.08**					10.08	**10.08**		
9	Harinagar	21.18		10.49	**31.67**			0		10.49	**10.49**	6	
	Total				**218.6**	334	38	**40.1**	**0**	**103**	**143.1**	**46**	
17	**BBMB Rohtak Road**										**0**		
1	S.B. Mill			10.08	**10.08**					0	**0**	3	
2	GTK Road				**0**						**0**		
3	Ram Pura			12.24	**12.24**					12.24	**12.24**	7	
4	Rohtak Road			10.08	**10.08**					5.04	**5.04**	2	
5	Vishal			5.4	**5.4**					5.4	**5.4**	13	
6	Madipur			10.43	**10.43**					5	**5**	7	
7	Sudershan Park			10.08	**10.08**					0	**0**		
	Total				**58.31**	151	15	**0**	**0**	**27.68**	**27.68**	**32**	
18	**Shalimarbagh S/stn**		40	6	**46**				30	6	**36**		
1	S.G.T. Nagar			13.15	**13.15**					0	**0**		
2	Wazirpur-1			20.7	**20.7**					20.7	**20.7**	11	
3	Wazirpur-2			14.4	**14.4**					7.2	**7.2**	6	
4	Shalimarbagh										**0**		
5	Ashok Vihar			20.35	**20.35**					20.35	**20.35**	11	
6	Rani Bagh			14.4	**14.4**					7.2	**7.2**	3	

Sl. No	SUB-STATION	INSTALLED CAPACITY IN MVAR				Load IN		WORKING CAPACITY IN MVAR				Lumped Load IN	
		66KV	33kV	11kV	**TOTAL**	MW	MVAR	66KV	33kV	11kV	**TOTAL**	MW	MVAR
7	Haiderpur			13.15	**13.15**					13.15	**13.15**	6	
8	SMB FC			7.2	**7.2**					7.2	**7.2**		
9	SMB KHOSLA			7.2	**7.2**					7.2	**7.2**	4	
	Total				**156.6**	185	4	**0**	**30**	**89**	**119**	**41**	
19	**Subzimandi S/stn**			6	**6**					6	**6**		
1	Shakti Nagar			5.04	**5.04**					5.04	**5.04**	4	
2	Gulabibagh			7.2	**7.2**					7.2	**7.2**	4	
3	Shahzadabagh			19.44	**19.44**					19.44	**19.44**	10	
4	Tripolia			14.4	**14.4**					7.2	**7.2**	4	
5	B. G. Road										**0**	3	
	Total				**52.08**	105	17	**0**	**0**	**44.88**	**44.88**	**25**	
20	**Narela S/stn**	40		5.04	**45.04**			40		5.04	**45.04**		
1	A-7 Narela			14.4	**14.4**					14.4	**14.4**		
2	AIR Kham pur			13.15	**13.15**					0	**0**	7	
3	Badli	20		5.95	**25.95**			20		5.95	**25.95**	21	
4	DSIDC Narela	20		5.95	**25.95**			20		5.95	**25.95**	14	
5	DSIDC Narela-2			14.4	**14.4**					0	**0**		
6	Jahangirpuri	20	20	5.95	**45.95**			20	10	5.95	**35.95**	27	
	Total				**184.8**	203	-38	**100**	**10**	**37.29**	**147.3**	**69**	
21	**Gopalpur S/stn**		30	5.04	**35.04**				20	5.04	**25.04**		
1	Azad Pur			21.6	**21.6**					21.6	**21.6**	12	
2	Hudson Lane			5.95	**5.95**					5.95	**5.95**	4	
3	Wazirabad			7.2	**7.2**					7.2	**7.2**	3	
4	Indra Vihar			5.95	**5.95**					5.95	**5.95**		
5	Tri Nagar			14.4	**14.4**					7.2	**7.2**	3	
6	GTK Road			13.15	**13.15**					7.2	**7.2**	3	
7	Jahangirpuri				**0**						**0**		
8	Civil lines			6	**6**					6	**6**		
9	DIFR			7.2	**7.2**					7.2	**7.2**		
10	Delhi Univ.			7.2	**7.2**					7.2	**7.2**		
11	Tiggipur			14.4	**14.4**					14.4	**14.4**		
	Total				**138.1**	209	20				**114.9**	**25**	
22	**Rohini S/stn**	40		6	**46**			40		6	**46**		
1	Rohini Sec-24 Ckt-I			14.4	**14.4**					14.4	**14.4**	9	
2	Rohini Sec-24 Ckt-II	20		14.4	**34.4**			20		0	**20**	9	
3	Rohini-1			7.2	**7.2**					7.2	**7.2**	3	
4	Rohini-2			13.15	**13.15**					5.95	**5.95**	7	
5	Rohini-3			5.95	**5.95**					5.95	**5.95**	4	
6	Rohini-4			13.15	**13.15**					13.15	**13.15**	9	
7	Rohini-5			13.15	**13.15**					13.15	**13.15**	22	
8	Rohini-6	20		5.95	**25.95**			20		5.95	**25.95**	3	
9	Mangolpuri-1			20.35	**20.35**					5.95	**5.95**	3	
10	Mangolpuri-2	20		5.04	**25.04**			20		0	**20**	13	
11	Saraswati Garden			10.08	**10.08**					5.04	**5.04**	4	
12	Pitam Pura-1	20		12.24	**32.24**			20		5.04	**25.04**	14	
13	Pitam Pura-2			12.24	**12.24**					0	**0**	0	
14	Pitam Pura-3			7.2	**7.2**					7.2	**7.2**	4	
15	Rohini DC-1			14.4	**14.4**					14.4	**14.4**		
	Total				**294.9**	317	21				**229.4**	**104**	

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		66KV	33kV	11kV	**TOTAL**	MW	MVAR	66KV	33kV	11kV	**TOTAL**	MW	MVAR
23	**Kanjhawala S/stn**	20		5.04	**25.04**			20		5.04	**25.04**		
1	Bawana Clear Water			14.4	**14.4**					7.2	**7.2**	3	
2	Pooth Khoord			7.2	**7.2**					7.2	**7.2**	3	
3	Ghevra			14.4	**14.4**					14.4	**14.4**		
	Total				**61.04**	58	-13				**53.84**	**6**	
24	**BAWANA S/stn**												
1	Bawana S/stn No. 6				**0**						**0**		
2	Bawana S/stn No. 7				**0**						**0**		
	Total				**0**	47	20				**0**		
25	**Kashmeregate S/stn**			5.04	**5.04**					5.04	**5.04**		
1	Civil lines			6	**6**					6	**6**	9	
2	Town Hall			8.64	**8.64**					8.64	**8.64**	8	
3	Fountain			5.45	**5.45**					5.45	**5.45**	4	
	Total				**25.13**	50	7				**25.13**	**21**	
26	**Pappankalan-II**												
1	DMRC-I												
2	DMRC-II												
	Total					99	12						
	TOTAL CAPACITY				**3636**	**4687**	**604**				**2502**	**1635**	

20 DETAILS OF BREAK-DOWNS DURING THE MONTH OF AUGUST 2011

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
01	02.08.11	21.56	220/33KV 100MVA PR. TR -II AT GEETA COLONY	02.08.11	22.10	TR. TRIPPED ON 30E, 86, O/C ALONG WITH 33KV I/C-II WHICH TRIPPED ON INTER TRIPPING.
02	03.08.11	09.45	220KV IP – PRAGATI CKT-I	03.08.11	15.23	THE CKT. TRIPPED ON E/F AT PRAGATI. WAVE TRAP CONDUCTOR BROKEN AT IP STATION.
03	03.08.11	11.02	400KV BAWANA – MUNDKA CKT-II	03.08.11	11.18	CB-452 OF THE CKT. TRIPPED ON 130F, FF1, ABC TRIP, AUTO RECLOSE, CARRER CHANNEL-II FAILED AT BAWANA
04	03.08.11	17.05	220/66KV 160MVA PR.TR. AT MUNDKA	03.08.11	18.12	TR. TRIPPED ON VISUAL AUDIO ALARM, ERA, ERB TRIP, 86A&B, SUPERVISION, MASTER RELAY.
05	04.08.11	11.55	220KV WAZIRABAD – GEETA COLONY CKT.-II	04.08.11	14.06	CKT. TRIPPED DUE TO FLASH ON COMMON JUMPER AT GEETA COLONY
06	04.08.11	11.55	220KV WAZIRABAD – GEETA COLONY CKT-I	04.08.21 1	12.06	CKT. TRIPPED ON E/F AT WAZIRABAD.
07	04.08.11	11.55	220/33KV 100MVA PR.TR.-II AT GEETA COLONY	04.08.11	12.29	TR. TRIPPED ON 30E, 30B, E/F, 86. 220KV BUS COUPLER ALSO TRIPPED ON 86, 240 A/C, 80AC.
08	04.08.11	11.54	220/66KV 100MVA PR. TR.-I AT PATPARGANJ	04.08.11	12.13	TR. TRIPPED ON O/C, E/F, 86
09	04.08.11	11.54	220/66KV 100MVA PR. TR.-II AT PATPARGANJ	04.08.11	12.13	TR. TRIPPED ON E/F, BACK UP PROT. 86
10	04.08.11	14.15	66/11KV 20MVA PR. TR.-I AT MEHRAULI	04.08.11	18.27	TR. TRIPPED ON O/C, E/F.
11	04.08.11	15.04	220KV SARITA VIHAR – MAHARANI BAGH CKT	04.08.11	19.28	CKT. TRIPPED ON DIST. PROT`A' PHASE ZONE-I, 86A & 86B AT SARITA VIHAR AND ON DIST PROT ZONE-I AT MAHARANI BAGH
12	04.08.11	17.04	220/66KV 100MVA PR. TR.-I AT OKHLA	04.08.11	18.28	TR. TRIPPED ON 86, 51CX ALONG WITH 66KV I/C-I & II. 66KV I/C-I TRIPPED ON 51CX, 51AX AND 66KV I/C-II TRIPPED ON 51CX.
13	05.08.11	10.26	220KV SHALIMAR BAGH – ROHINI CKT-I	04.08.11	10.42	CKT. TRIPPED ON DIST. PROT AUTO RECLOSE LOCK OUT AT ROHINI
14	05.08.11	13.15	220/66KV 100MVA PR. TR.-II AT PAPPANKALAN-II	05.08.11	15.48	CKT. TRIPPED ON PRV RELAY ALONG WITH 66KV I/C-II.
15	05.08.11	18.30	66/11KV 20MVA PR. TR.-I AT PAPPANKALAN-II	05.08.11	18.50	TR. TRIPPED ON BACK UP PROTECTION
16	06.08.11	07.30	400KV BAWANA – MUNDKA CKT-I	06.08.11	07.40	CKT. TRIPPED ON 86A, 86B, DIRECT TRIP CHANNEL RECEIVED AT MUNDKA. THE TRIPPING OCCURRED WHILE ARRANGING THE SHUT-DOWN OF 400KV MANDOLA–BAWANA CKT-I AND SENDING 85LO SIGNAL
17	06.08.11	05.35	220/33KV 100MVA PR.TR.-I AT IP	06.08.11	05.40	TR. TRIPPED WITHOUT INDICATION.
18	06.08.11	19.17	220/33KV 100MVA PR. TR.-III AT SHALIMAR BAGH	06.08.11	21.26	TR. TRIPPED OLA, OLTC, 6, OIL TEMP. ALARM, TR. TROUBLE ALONG WITH 33KV I/C-III WHICH TRIPPED ON 86
19	06.08.11	22.45	220/66KV 100MVA PR. TR.-II AT NARELA	06.08.11	23.18	TR. TRIPPED ON 86 ALONG WITH 66KV I/C-II WHICH ALSO TRIPPED ON 86. `
20	07.08.11	12.40	220KVLODHI ROAD – MAHARANI BAGH CKT-I	07.08.11	12.59	CKT. TRIPPED ON DIST PROT AT MAHARANI BAGH. NO TRIPPING AT LODHI ROAD.
21	08.08.11	07.50	220/66KV 100MVA PR. TR.-II AT NARELA	08.08.11	15.25	TR. TRIPPED ON 86

22	08.08.11	17.32	220/66KV 100MVA PR. TR.-II AT NARELA	08.08.11	20.57	TR. TRIPPED ON 86 ALONG WITH 66KV I/C-II WHICH TRIPPED ON INTER TRIPPING
23	09.08.11	09.04	220/33KV 50MVA PR.TR.-I AT OKHLA	09.08.11	09.36	TR. TRIPPED ON 95C, E/F ALONG WITH 33KV I/C-I WHICH TRIPPED ON 95, 86, 51A O/C
24	09.08.11	09.04	220/33KV 100MVA PR. TR.-IV AT OKHLA	09.08.11		THE FOLLOWING TRIPPINGS OCCURRED :- 33KV I/C-I (50MVA TX) : 95, TRIP SUPERVISION RELAY, 86, 51A, O/C 50MVA PR. TR.-I : 95C, E/F 33KV I/C OF 220/33KV 100MVA PR. TR.-III : 86 220/33KV 100MVA PR. TR-IV : 51AX, 51CX, 86 33KV I/C OF PR. TR.-IV : 86LV, O/C, 51A 33KV OKHLA PHASE CKT-I TRIPPED ON 67NX, E/F. ITS 33KV BUS-II CONDUCTOR SNAPPED. INSULATORS ALSO BROKEN. 50MVA PR. TR.-I ENERGIZED AT 09.36HRS AND 33KV I/C-I CHARGED AT 09.46HRS. 33KV BUS-II NORMALIZED AT 11.21HRS. 33KV OKHLA PHASE-II CKT-I ENERGIZED AT 01.05HRS. ON 10.08.2011 33KV I/C OF 100MVA PR. TR.-III ENERGIZED AT 11.31HRS. AND 100MVA PR. TR.-IV CHARGED AT 11.29HRS.
25	09.08.11	09.50	220/66KV 100MVA PR. TR.-II AT WAZIRABAD	10.08.11	13.48	TR. TRIPPED WITHOUT INDICATION
26	09.08.11	12.10	220/66KV 160MVA PR. TR-II AT RIDGE VALLEY	09.08.11	12.25	TR. TRIPPED WITHOUT INDICATION
27	09.08.11	16.55	220KV LODHI ROAD – MAHARANI BAGH CKT-I	09.08.11	19.53	CKT. TRIPPED ON DIST PROT `R' PHASE ZONE-I AT MAHARANI BAGH.
28	10.08.11	13.12	220KV SARITA VIHAR – PRAGATI CKT.	10.08.11	13.51	CKT. TRIPPED ON DIST PROT `ABC' PHASE ZONE-II AT PRAGATI AND ON DIST PROT `C' PHASE, 186A&B AT SARITA VIHAR.
29	11.08.11	12.18	220KV NARELA – DSIDC CKT-I & II	11.08.11	20.15	CKT.-I TRIPPED ON DIST PROT ZONE-II, 80A, 86A AND CKT-II TRIPPED ON DIST PROT `A' PHASE AT DSIDC
30	11.08.11	12.18	220/66KV 100MVA PR. TR-II AT DSIDC	11.08.11	13.00	TR. TRIPPED ON E/F, 86, 95
31	11.08.11	15.59	220KV SARITA VIHAR – MAHARANI BAGH CKT	11.08.11	16.40	CKT. TRIPPED ON DIST PROT `A' PHASE ZONE-I, 186A&B, 186F AT SARITA VIHAR AND ON L-1, `R' PHASE E/F AT MAHARANI BAGH
32	12.08.11	08.31	220KV BAWANA – NAJAFGARH CKT.	12.08.11	08.36	CKT. TRIPPED ON 186 AT NAJAFGARH.
33	12.08.11	08.31	220KV NAJAFGARH – KANJHAWALA CKT.	12.08.11	09.08	CKT. TRIPPED ON 186 AT NAJAFGARH.
34	13.08.11	11.10	220KV SHALIMAR BAGH – ROHINI CKT-I	13.08.11	15.30	CKT. TRIPPED ON DIST PROT 186A&B, AUTO RECLOSE LOCK OUT AT ROHINI.
35	13.08.11	17.47	220/66KV 100MVA PR. TR.-IV AT PAPPANKALAN-I	13.08.11	21.17	TR. TRIPPED ON SUDDEN PRESSURE RELAY, 30H, 86 ALONG WITH 66KV I/C-IV WHICH TRIPPED ON INTER TRIPPING.
36	13.08.11	18.58	220KV GEETA COLONY – WAZIRABAD CKT-I	13.08.11	21.21	CKT. TRIPPED ON DIST PROT `RYB' PHASE ZONE-II AT WAZIRABAD AND ON DIST PROT ABC' PHASE, 27RYB AT GEETA COLONY
37	13.08.11	21.41	220/66KV 100MVA PR. TR.-IV AT PAPPANKALAN-I	13.08.11	22.35	TR. TRIPPED ON SUDDEN PRESSURE RELAY, 30H, 86 ALONG WITH 66KV I/C-IV WHICH TRIPPED ON INTER TRIPPING.
38	14.08.11	00.01	220/66KV 100MVA PR. TR.-IV AT PAPPANKALAN-I	14.08.11	09.30	TR. TRIPPED ON SUDDEN PRESSURE RELAY, 30H, 86 ALONG WITH 66KV I/C-IV WHICH TRIPPED ON INTER TRIPPING.
39	14.08.11	14.01	220KV PANIPAT – NARELA CKT-III	14.08.11	14.58	CKT. TRIPPED ON DIST PROT AT NARELA.
40	15.08.11	01.46	220/33KV 100MVA PR. TR.-I AT IP	15.08.11	02.24	TR. TRIPPED ON DIRECTIONAL E/F
41	15.08.11	07.48	33/11KV 16MVA PR TR.-II AT GOPALPUR	15.08.11	10.53	TR. TRIPPED ON OLTC BUCHLOZ.

42	15.08.11	10.59	220KV MEHRAULI – DIAL CKT-II	15.08.11	11.11	CKT. TRIPPED ON DIST PROT `RUYB' PHASE AT DIAL. NO TRIPPING AT MEHRAULI
43	15.08.11	10.58	220KV BAMNAULI – NAJAFGARH CKT-I & II	15.08.11	11.18	BOTH CKT. TRIPPED ON 186 AT NAJAFGARH. CKT-II TRIPPED ON DIST PROT `B&C' PHASE 186 AT BAMNAULI.
44	15.08.11	10.54	220/33KV 100MVA PR. TR.-I AT IP	15.08.11	11.00	TR. TRIPPED WITHOUT INDICATION ALONG WITH 33KV I/C-I WHICH TRIPPED ON E/F
45	15.08.11	13.02	220K BAWANA – ROHINI CKT-I	15.08.11	13.13	CKT. TRIPPED ON DIST PROT `R' PHASE, 186 AT BAWANA AND ON DIST PROT AUTO RECLOSE LOCK OUT AT ROHINI.
46	16.08.11	08.46	220KV MEHRAULI – VASANT KUNJ CKT-II	16.08.11	09.03	CKT. TRIPPED ON DIST PROT `B' PHASE AUTO RECLOSE, 186A&B, 295CD, 295CC AT MEHRAULI. NO TRIPPING AT VASANT KUNJ.
47	17.08.11	19.23	33/11KV 16MVA PR. TR.-I AT SUBZI MANDI	18.08.11	07.04	TR. TRIPPED ON NON DIRECTIONAL O/C, `R&B' PHASE, 86 SRP, 30ABCDEF ALONG WITH 11KV I/C-I WHICH TRIPPED WITHOUT INDICATION.
48	17.08.11	16.34	220KV MEHRAULI – VASANT KUNJ CKT-II	17.08.11	16.40	CKT. TRIPPED DURING PROTECTION TESTING.
49	18.08.11	16.34	220KV GOPALPUR – SUBZI MANDI CKT-II	18.08.11	17.32	CKT. TRIPPED ON DIST PROT E/F AT GOPALPUR. NO TRIPPING AT SUBZI MANDI.
50	20.08.11	09.05	220KV BAWANA – NAJAFGARH CKT	20.08.11	09.13	CKT. TRIPPED ON 186 AT NAJAFGARH AND ON DIST PROT `Y&B' PHASE AT BAWANA.
51	20.08.11	09.05	220KV KANJHAWALA – NAJAFGARH CKT.	20.08.11	09.13	CKT. TRIPPED ON 186 AT NAJAFGARH.
52	20.08.11	09.05	400/220KV 315MVA ICT-III AT BAWANA	20.08.11	09.23	ICT TRIPPED ON O/C, 86B, 186A&B
53	20.08.11	16.29	66/11KV 20MVA PR. TR.-II AT PAPPANKALAN-I	20.08.11	16.40	TR. TRIPPED ON O/C
54	20.08.11	21.53	220/66KV 160MVA TR.-II AT RIDGE VALLEY			TR. TRIPPED ON SUDDEN PRESSURE RELAY, 86A, 86B. THE TRANSFORMER WAS UNDER TESTING.
55	21.08.11	12.40	220KV MEHRAULI – VASANT KUNJ CKT-&II	21.08.11	17.35	CKT.-I TRIPPED WITHOUT INDICATION AND CKT-II TRIPPED ON DIST PROT `C' PHASE ZONE-III, 186A, 186B AT VASANT KUNJ. NO TRIPPING AT MEHRAULI.
56	21.08.11	13.19	400KV BAWANA – HISSAR CKT.	21.08.11	14.23	CB-852 OF THE CKT. TRIPPED ON DC-I, CB AUTO TRIP LOCK OUT, POLE DISCREPANCY, ABTC, DC-II FAIL, TRIP SUPERVISION, 86, 195CB, 295CA, 295CB, 295CC, AUX RELAY 52X3, 52X7, DC2, 295CA, 295CB, 295CC AT BAWANA. THE BREAKER NO.852 HAS CREATED PROBLEM. THE CKT CHARGED THROUGH CB-952 AT 14.23HRS.
57	21.08.11	15.15	33/11KV 16MVA PR. TR.-I AT SUBZI MANDI	21.08.11	19.55	TR. TRIPPED ON SUDDEN PRESSURE RELAY, 86, 30ABCD.
58	22.08.11	09.17	220KV BAWANA – ROHINI CKT-II	22.08.11	15.38	CKT. TRIPPED AUTO RECLOSE LOCK OUT, DIST PROT ZONE-II, 186A&B AT BAWANA. NO TRIPPING AT ROHINI
59	22.08.11	14.11	220KV SARITA VIHAR – MAHARANI BAGH CKT	22.08.11	14.28	CKT. TRIPPED ON DIST PROT `ABC' PHASE ZONE-I, 186A&B AT SARITA VIHAR AND ON DIST PROT `R' PHASE L3-2-R AT MAHARANI BAGH.
60	23.08.11	12.47	220KV PATPARGANJ – IP CKT-I	23.08.11	12.50	CKT. TRIPPED ON DIST. PROT `ABC' PHASE ZONE-II, 186, 86 AT IP
61	23.08.11	12.47	220KV IP PRAGATI CKT-I	23.08.11	13.58	CKT. TRIPPED ON E/F, 86T AT IP.
62	25.08.11	14.05	220KV BTPS – MEHRAULI CKT-I	25.08.11	17.08	CKT. TRIPPED ON 186, 30C, 30G, FUSE FAILURE AT BTPS AND ON DIST PROT `ABC' PHASE ZONE-I AT MEHRAULI.
63	25.08.11	14.08	220KV MEHRAULI – VASANT KUNJ CKT-I & II	25.08.11	15.08	CKT-I TRIPPED ON 67AX (O/C), AUTO RECLOSE, 186A&B AND CKT-II TRIPPED ON 67NX, AUTO RECLOSE, 186A&B AT VASANT KUNJ. CKT-I TRIPPED ON 96, 67NX AND CKT-II TRIPPED ON 96 AT MEHRAULI.

64	25.08.11	14.35	220KV BTPS – GAZIPUR CKT	25.08.11	15.03	CKT. TRIPPED ON 186A, 186B, 86N AT BTPS. NO TRIPPING AT GAZIPUR
65	25.08.11	14.05	220/66KV 160MVA AND 100MVA PR. TR. AT VASANT KUNJ	25.08.11	17.10	160MVA PR. TR. TRIPPED ON 96 AND 100MVA PR. TR. TRIPPED ON 96, 295C&A. 220KV BUS COUPLER ALSO TRIPPED ON 86, 96AM, 96A, 96B, 51N.
66	25.08.11	21.34	220KV PAPPANKALAN-I – BAMNAULI CKT-II	25.08.11	21.43	CKT. TRIPPED ON 186A&B, 86
67	27.08.11	15.21	220/66KV 160MVA PR. TR.-III AT MUNDKA	27.08.11	18.07	TR. TRIPPED ON 86A&B, O/C, E/F ALONG WITH ITS 66KV I/C WHICH TRIPPED ON 86
68	28.08.11	09.15	66/11KV 20MVA PR. TR. AT PATPARGANJ	28.08.11	12.20	TR. TRIPPED ON 86 `B' PHASE ALONG WITH 11KV I/C-I WHICH TRIPPED ON O/C `R&B' PHASE.
69	28.08.11	16.07	33/11KV 20MVA PR. TR.-II AT LODHI ROAD	28.08.11	17.10	BREAKER POLE DAMAGED CAUSED THE TRIPPING OF TRANSFORMER.
70	28.08.11	16.07	220/33KV 100MVA PR. TR.-I & II AT LODHI ROAD	30.08.11	17.12	TR.-I TRIPPED ON 86B, 186X AND TR.-II TRIPPED ON AUTO RECLOSE O/C, 51C, E/F. 33KV I/C-I TRIPPED ON 186B1, B2.
71	29.08.11	18.46	220KV MANDOLA – GOPALPUR CKT-I	29.08.11	22.34	CKT. TRIPPED ON DIST PROT `Y&B' PHASE ZONE-I AT MANDOLA. NO TRIPPING AT GOPALPUR
72	30.08.11	11.45	220/66KV 100MVA PR. TR.-II AT PATPARGANJ	30.08.11	11.59	TR. TRIPPED ON PRV STAGE-I, 86
73	30.08.11	14.55	220KV SARITA VIHAR – MAHARANI BAGH CKT	30.08.11	15.13	CKT. TRIPPED ON DIST PROT `ABC' PHASE ZONE-I, 186A&B, 186X AT SARITA VIHAR AND ON DIST PROT L2-L-3 AT MAHARANI BAGH.

20 DETAILS OF UNDER FREQUENCY RELAY OPERATIONS IN DELHI POWER SYSTEM DURING THE MONTH OF AUGUST 2011

DATE	S. N.	TIME		Name of Grid	NAME OF AFFECTED FEEDERS	LOAD RELIEF IN MW
		OUT	IN			
09.08.11	1	22:00	22:07	NARAINA 220kV	33kV PVR PAYAL CKT, 33kV SARASWATI GARDEN, 11kV LOAD	21
16.08.11	2a	19:10	19:15	KASHMIRI GATE 220kV	11kV LOAD	4
	2b	19:10	19:15	KASHMIRI GATE 220kV	11kV LOAD	1
16.08.11	3a	19:29	19:58	KASHMIRI GATE 220kV	11kV LOAD	4
	3b	19:29	19:58	KASHMIRI GATE 220kV	11kV LOAD	1
16.08.11	4	19:09	19:55	ROHINI – I	11kV LOAD	6
16.08.11	5	19:09	19:55	PITAMPURA-II , ROHINI –I	11kV LOAD	0
22.08.11	6	22:54	22:57	NARAINA 220kV	11kV LOAD	26
26.08.11	7	15:02	15:21	ROHINI –II, ROHINI SEC. 22 & 23	11kV LOAD	24
30.08.11	8	10:22	10:24	NARAINA 220kV	33kV PVR PAYAL CKT, 33kV SARASWATI GARDEN, 11kV LOAD	30