DELHI TRANSCO LTD.

STATE LOAD DISPATCH CENTER

PROGRESS REPORT

****

SEPTEMBER - 2011

1 SALIENT FEATURES OF DELHI POWER SYSTEM

Sr. No.	Features	SEPTEMBER 2011	SEPTEMBER 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)**	**4713**	**4085**
	Date	01.09.11	01.09.2010
	Time	21.55.16	15.06.40
3	**Peak Demand met (MW)**	**4713**	**4057**
	Date	01.09.11	01.09.2010
	Time	21.55.16	16.06.40
4	Peak Availability (MW)	4262	4399
5	Shortage (-) / Surplus (+) in MW	(-) 451	(+)342
6	Percentage Shortage (-) / Surplus (+)	(-) 2.56	(+)8.43
7	Maximum Energy Consume in a day (Mus)	94.485	83.184
8	Energy Consumed during the month	**2448.876**	**2036.108**
9	**Load Shedding in Mus**		
A)	Due to Grid Restrictions		
i)	Under Frequency Relay Operations	0.033	0.048
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	0.086	0.197
	BRPL	0.698	0.000
	BYPL	0.225	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	**1.042**	**0.255**
B)	Due to Constraints in System in Mus		
	DTL	1.345	1.505
	NDPL	0.337	0.274
	BRPL	0.643	0.444
	BYPL	0.255	0.529
	NDMC	0.000	0.000
	MES	0.000	0.000
	Other Agencies	0.509	0.089
	Total	**3.089**	**2.841**
11	**Grand Total in Mus**	**4.131**	**3.096**

2. PERFORMANCE OF GENERATING STATIONS WITHIN DELHI DURING SEPTEMBER 2011

A) For the month of SEPTEMBER 2011

All Figures in MUs

S. No	Stations	Gross Generation	Aux. Consumption	Net Generation	Availability (%)	Backing Down
1.	**RPH**	58.800	7.928	50.872	59.87	0.000
2.	**GT**	86.632	4.078	82.554	71.15	52.026
3.	**PPCL**	217.924	5.606	212.956	94.68	7.727
4.	**BTPS**	382.3629	36.320	346.040	83.46	34.684
5.	**Rithala**	21.497	0.541	20.956	--	0.000
	TOTAL	**767.2159**	**54.473**	**713.378**		**94.437**

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

Power Station	Effective Capacity (MW)	Net Generation in MUs For SEPT. 2011	Availability (%) For SEPT. 2011	PLF (%) For SEPT. 2011	Cumulative Generation in MUs upto SEPTEMBER 2011 for the year 2011-12	Cumulative Availability in % upto SEPT 2011 for the year 2011-12	Cumulative PLF in % upto SEPT 2011 for the year 2011-12
RPH	135	50.872	59.87	59.87	418.627	70.02	69.89
GT	270	82.554	71.15	43.56	615.133	75.02	50.84
PPCL	330	212.956	94.68	91.33	1219.668	89.55	82.95
BTPS	705	346.040	83.46	75.91	2267.631	92.52	80.02
Rithala	**73**	20.956	--	--	155.860	--	--
TOTAL	**1513**	**713.378**			**4676.919**		

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
		01.09.11	11.41	****		
		02.09.11	04.22	12.09.11	05.20	Boiler tube leakage
		13.09.11	07.05	13.09.11	09.01	Boiler flame failure
		15.09.11	12.01	15.09.11	13.12	Boiler flame failure
		15.09.11	12.45	16.09.11	00.09	Boiler flame failure
		16.09.11	17.03	18.09.11	17.50	Stopped due to wet coal
		19.09.11	00.10	19.09.11	01.28	Boiler flame failure
		21.09.11	03.46	21.09.11	04.50	Boiler flame failure
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	01.09.11	08.38	Boiler tube leakage
		10.09.11	00.08	12.09.11	05.00	Coal handling plant problem
		13.09.11	03.50	13.09.11	05.00	Electrical fault
		25.09.11	10.57	25.09.11	11.30	Turbine vibration
		30.09.11	22.14	03.09.11	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
		03.09.11	09.02	03.09.11	10.30	Stopped due to low demand and high frequency.
		03.09.11	13.05	03.09.11	13.35	Machine tripped as Bus differential relay on BB-3 & 4 operated.
		04.09.11	02.47	06.09.11	17.20	Stopped due to low demand and high frequency.
		11.09.11	22.05	14.09.11	20.36	Machine stopped as generation available on spot RLNG
		15.09.11	01.14	19.09.11	11.55	Machine stopped as generation available on spot open cycle mode
		20.09.11	01.15	20.09.11	13.40	
		21.09.11	01.32	21.09.11	17.16	
		22.09.11	00.02	22.09.11	08.42	
		23.09.11	00.35	24.09.11	10.47	
		25.09.11	00.02	26.09.11	10.10	
		27.09.11	00.20	27.09.11	08.40	
		27.09.11	15.15	27.09.11	15.25	Machine came on FSNL during checking of Bus Coupler differential trippings, Differential relay on BB-3 & 4 operated .
		28.09.11	01.10	28.09.11	08.52	Machine stopped as generation available on spot open cycle mode
		29.09.11	02.10	29.09.11	10.57	
		30.09.11	00.12	30.09.11	10.20	
		30.09.11	23.50	30.09.11	23.59	

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
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	
		03.09.11	11.05	03.09.11	17.05	Machine stopped as generation available on spot RLNG
		11.09.11	22.05	12.09.11	21.58	
		13.09.11	00.02	14.09.11	17.45	
		15.09.11	01.04	19.09.11	11.56	Machine stopped as generation available in open cycle mode
		20.09.11	01.15	20.09.11	13.14	
		21.09.11	01.32	21.09.11	17.20	
		22.09.11	00.02	22.09.11	08.27	
		23.09.11	01.02	24.09.11	10.40	
		25.09.11	00.02	26.09.11	09.45	
		27.09.11	00.10	27.09.11	08.48	
		28.09.11	01.05	28.09.11	08.40	
		29.09.11	02.02	29.09.11	10.55	
		30.09.11	00.12	30.09.11	10.20	
		30.09.11	23.50	30.09.11	23.59	

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	
		03.09.11	09.05	09.09.11	19.35	Machine stopped as generation available on spot RLNG
		21.09.11	05.02	21.09.11	13.43	Machine stopped as generation available on open cycle mode.
		27.09.11	15.15	27.09.11	15.58	Machine tripped during checking of Bus Coupler differential trippings, Differential relay on BB-3 & 4 operated .

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
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
		03.09.11	13.05	03.09.11	13.40	Machine tripped as Bus differential relay on BB-3 & 4 operated.
		03.09.11	14.10	09.09.11	19.50	Machine stopped as generation available on spot RLNG
		16.09.11	09.13	16.09.11	11.34	Machine tripped on exhaust over temp high
		16.09.11	15.35	16.09.11	17.08	Due to problem of AC supply the Battery voltage came down to 111 Volt. Machine stopped as per request from C&I division.
		21.09.11	14.23	21.09.11	21.27	Machine stopped as generation available on open cycle mode

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	
		01.09.11	17.38	02.09.11	21.50	. Machine stopped as generation available on spot RLNG
		03.09.11	13.05	03.09.11	13.45	Machine tripped as Bus differential relay on BB-3 & 4 operated.
		04.09.11	02.50	14.09.11	18.30	Machine is stopped due to low demand and high freq
		14.09.11	18.30	30.09.11	23.59	machine taken under shut down for turbine rotor replacement

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
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	
		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	
		01.09.11	17.48	02.09.11	21.40	Machine stopped as generation available on spot RLNG
		03.09.11	13.05	03.09.11	13.45	Machine tripped as Bus differential relay on BB-3 & 4 operated.
		06.09.11	18.35	11.09.11	18.25	Stopped due to low demand and high frequency.
		21.09.11	18.40	23.09.11	00.27	Machine tripped due to blowing of fuse of Mark-Vi.
		27.09.11	15.15	27.09.11	15.30	Machine came on FSNL during checking of Bus Coupler differential trippings, Differential relay on BB-3 & 4 operated .

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
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
		03.09.11	13.05	03.09.11	14.40	Machine tripped as Bus differential relay on BB-3 & 4 operated.
		11.09.11	17.25	30.09.11	23.59	Machine tripped on Generator shaft vibration v. high. Machine boxed for further inspection of generator Rotor & Excitor. After examining the parameters of Generator Rotor it was decided to replace it with new Rotor

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	
		03.09.11	03.20	03.09.11	04.25	Machine stopped for replacement of speed pick up
		03.09.11	13.05	03.09.11	14.10	Machine tripped as Bus differential relay on BB-3 & 4 operated.
		03.09.11	14.10	09.09.11	21.25	Machine stopped as generation available on spot RLNG
		25.09.11	12.05	25.09.11	14.28	Machine tripped due to malfunctioning of deaerator level as BFP-2A tripped and 2B did not take start command due to non availability of Deaerator level.
		26.09.11	20.35	26.09.11	21.50	BFP-2A tripped due to malfunctioning of Deaerator level. Deaeraor Level V.Low , Low, High, very high alarm appeared. BFP-2B taken into service it also tripped on same alarm. Machine tripped on low vaccum.

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
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
		03.09.11	13.05	03.09.11	15.10	Machine tripped as Bus differential relay on BB-3 & 4 operated.
		06.09.11	18.35	11.09.11	22.10	Machine Stopped due to low demand
		16.09.11	09.35	16.09.11	11.45	Machine tripped on class A alarm
		18.09.11	08.54	18.09.11	09.25	Machine tripped on Gen class A trip,AVR trip command and excitation field breaker open.
		20.09.11	09.03	20.09.11	09.27	Machine tripped on class A alarm
		21.09.11	16.40	23.09.11	03.10	Machine tripped due to tripping of GT#6
		27.09.11	15.15	27.09.11	16.00	Machine tripped as GT#6 came on FSNL

(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
		05.09.11	05.39	05.09.11	07.21	Grid disturbance
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
		05.09.11	09.44	05.09.11	10.28	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
		01.09.11	23.18	22.09.11	19:24	Planned shutdown
		23.09.11	02.09	23.09.11	18.54	Problem in coal mill
		25.09.11	13.26	25.09.11	14.20	Fire out
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
		12.09.11	10.34	12.09.11	17.27	Furnace disturbance
		14.09.11	09.46	14.09.11	09.11	Fire out
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
		11.09.11	19.38	13.09.11	16.19	Low fuernance pressure
		16.09.11	05.21	16.09.11	07.28	Flame failure
		16.09.11	10.25	16.09.11	11.40	Flame failure
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
		14.09.11	10.45	14.09.11	13.28	Flame failure
		16.09.11	13.50	16.09.11	15.15	Flame failure
		16.09.11	19.33	16.09.11	20.42	Flame failure
		17.09.11	07.52	17.09.11	13.47	Fire out

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 SEPTEMBER 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	21:55:16	104	147	294	50	567	1162	3551	3100	451	4713	0	4713
2	15:30:53	54	146	287	58	495	1040	3599	3070	529	4639	6	4645
3	00:00:10	58	207	287	57	472	1081	3320	2881	439	4401	3	4404
4	00:00:06	55	149	299	55	412	970	2962	2938	24	3932	0	3932
5	15:22:21	52	72	285	34	427	870	3062	3080	-18	3932	0	3932
6	19:04:39	60	74	295	0	454	883	3209	2899	310	4092	0	4092
7	19:21:52	59	74	293	26	477	929	3106	3075	31	4035	8	4043
8	15:15:27	62	72	291	25	456	906	3333	2867	466	4239	0	4239
9	18:50:58	37	68	291	25	474	895	3043	2759	284	3938	77	4015
10	22:35:50	0	145	295	25	475	940	3004	2853	151	3944	0	3944
11	22:56:26	0	110	297	26	281	714	3270	3303	-33	3984	0	3984
12	19:22:47	97	108	295	25	211	736	3523	3369	154	4259	0	4259
13	22:18:05	108	109	295	26	452	990	3421	3375	46	4411	0	4411
14	22:36:54	108	154	292	25	510	1089	3490	3178	312	4579	0	4579
15	00:00:08	111	154	294	26	459	1044	3326	3028	298	4370	0	4370
16	19:21:32	93	109	298	26	453	979	3310	2886	424	4289	0	4289
17	19:46:05	59	110	292	26	480	967	3024	2775	249	3991	0	3991
18	22:55:50	82	113	299	27	460	981	2854	2663	191	3835	0	3835
19	19:56::34	101	159	298	26	477	1061	3166	2814	352	4227	0	4227
20	19:06:19	86	158	296	26	475	1041	3114	2979	135	4155	0	4155
21	15:09:09	106	71	290	26	465	958	3129	2962	167	4087	5	4092
22	19:05:35	105	120	294	26	475	1020	3114	3238	-124	4134	0	4134
23	18:45:41	100	111	300	26	515	1052	3083	3161	-78	4135	0	4135
24	19:07:03	101	157	293	26	468	1045	2860	2984	-124	3905	0	3905
25	22:43:13	99	111	298	26	524	1058	2750	2710	40	3808	0	3808
26	19:20:29	95	158	294	26	582	1155	2850	2988	-138	4005	0	4005
27	19:26:35	97	157	298	26	560	1138	2937	2995	-58	4075	0	4075
28	19:29:26	100	155	293	26	532	1106	2965	3277	-312	4071	0	4071
29	19:21:20	96	156	292	26	594	1164	2923	3104	-181	4087	0	4087
30	19:04:37	93	157	296	26	564	1136	2853	3159	-306	3989	0	3989

7 POWER AVAILABILITY- DEMAND POSITION AT THE TIME OF MAXIMUM UNRESTRICTED DEMAND DURING SEPTEMBER 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	21:55:16	104	147	294	50	567	1162	3551	3100	451	4713	0	4713
2	15:30:53	54	146	287	58	495	1040	3599	3070	529	4639	6	4645
3	00:00:10	58	207	287	57	472	1081	3320	2881	439	4401	3	4404
4	00:00:06	55	149	299	55	412	970	2962	2938	24	3932	0	3932
5	15:22:21	52	72	285	34	427	870	3062	3080	-18	3932	0	3932
6	19:04:39	60	74	295	0	454	883	3209	2899	310	4092	0	4092
7	19:21:52	59	74	293	26	477	929	3106	3075	31	4035	8	4043
8	15:15:27	62	72	291	25	456	906	3333	2867	466	4239	0	4239
9	19.00.00	38	70	295	26	451	879	2988	2685	-303	3867	172	4039
10	21.00.00	0	142	292	25	478	937	2895	2790	-105	3832	142	3974
11	22:56:26	0	110	297	26	281	714	3270	3303	-33	3984	0	3984
12	19:22:47	97	108	295	25	211	736	3523	3369	154	4259	0	4259
13	22:18:05	108	109	295	26	452	990	3421	3375	46	4411	0	4411
14	22:36:54	108	154	292	25	510	1089	3490	3178	312	4579	0	4579
15	00:00:08	111	154	294	26	459	1044	3326	3028	298	4370	0	4370
16	19:21:32	93	109	298	26	453	979	3310	2886	424	4289	0	4289
17	19:46:05	59	110	292	26	480	967	3024	2775	249	3991	0	3991
18	22:55:50	82	113	299	27	460	981	2854	2663	191	3835	0	3835
19	19:56::34	101	159	298	26	477	1061	3166	2814	352	4227	0	4227
20	19:06:19	86	158	296	26	475	1041	3114	2979	135	4155	0	4155
21	15:09:09	106	71	290	26	465	958	3129	2962	167	4087	5	4092
22	19:05:35	105	120	294	26	475	1020	3114	3238	-124	4134	0	4134
23	18:45:41	100	111	300	26	515	1052	3083	3161	-78	4135	0	4135
24	19:07:03	101	157	293	26	468	1045	2860	2984	-124	3905	0	3905
25	22:43:13	99	111	298	26	524	1058	2750	2710	40	3808	0	3808
26	19:20:29	95	158	294	26	582	1155	2850	2988	-138	4005	0	4005
27	19:26:35	97	157	298	26	560	1138	2937	2995	-58	4075	0	4075
28	19:29:26	100	155	293	26	532	1106	2965	3277	-312	4071	0	4071
29	19:21:20	96	156	292	26	594	1164	2923	3104	-181	4087	0	4087
30	19:04:37	93	157	296	26	564	1136	2853	3159	-306	3989	0	3989

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

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

A (i) RPH	50.800
JHAJJAR SHARE	0.000
NET RPH	50.800
(ii) GT+STG	86.632
(iii) PRAGATI	217.924
(iv) RITHALA	21.497
TOTAL	384.853
B) AVAILABILITY FROM BTPS	344.439
C) AUXILIARY CONSUMPTION OF GENERATING STNs. EXCLUDING BTPS	18.153
D) NET GENERATION AVAILABLE WITHIN DELHI(A+B-C)	**711.139**

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	7.584	7.419	7.584	7.419
SALAL	45.713	44.720	45.713	44.720
TANKAPUR	8.441	8.258	8.441	8.258
CHAMERA	27.006	26.421	27.006	26.421
CHAMERA -II	27.575	26.977	27.575	26.977
DHAULIGANGA	23.199	22.696	23.199	22.696
SEWA -2	9.615	9.406	9.615	9.406
URI	30.887	30.216	30.887	30.216
KOTESHWAR	6.291	6.154	6.291	6.154
ANTA (GAS)	25.172	24.626	22.654	22.162
ANTA (RLNG)	6.714	6.567	1.171	1.146
ANTA (LIQUID)	0.000	0.000	0.000	0.000
DADRI (GAS)	48.241	47.193	43.330	42.388
DADRI (RLNG)	15.435	15.100	2.003	1.960
DADRI (LIQUID)	0.106	0.103	0.000	0.000
AURAIYA (GAS)	33.601	32.871	30.611	29.946
AURAIYA (RLNG)	12.233	11.968	1.758	1.720
AURAIYA (LIQUID)	0.219	0.214	0.000	0.000
SINGRAULI	88.633	86.711	87.105	85.217
RIHAND -I	66.880	65.430	64.637	63.235
RIHAND -II	45.610	44.619	44.283	43.321
UNCHAHAR-I	14.927	14.603	13.679	13.382
UNCHAHAR-II	23.625	23.113	21.700	21.230
UNCHAHAR-III	18.546	18.144	17.203	16.829
DADRI (TH)	473.971	463.678	409.430	400.528
DADRI (TH) STAGE-II	508.222	497.181	444.938	435.268
NAPP	14.779	14.458	14.779	14.458
RAPP 'B'	0.000	0.000	0.000	0.000
RAPP 'C'	42.811	41.881	42.811	41.881
NATHPA JHAKRI	101.011	98.822	101.011	98.822
DULASTI	36.240	35.453	36.240	35.453
TEHRI	59.090	57.812	59.090	57.812
JHAJJAR	153.485	150.154	36.218	35.420
KHELGAON	31.011	30.338	22.670	22.177
KHELGAON-II	57.007	55.771	46.017	45.020
FARAKA	9.984	9.767	5.625	5.502
TALA	20.067	19.630	20.067	19.630
TALCHER	0.000	0.000	0.000	0.000
DVC	77.598	76.909	76.909	75.240
CHATTISHGARH	58.286	57.522	57.522	56.267
ANDHRA	0.000	0.000	0.000	0.000
DVC TATA STEEL (NDPL)	83.570	82.800	82.800	81.001
ORISSA	0.000	0.000	0.000	0.000
KERALA	0.000	0.000	0.000	0.000

NAME OF THE STATION	AVAILABILITY AT POWER PLANT	AVAILABILITY AT DELHI PERIPHERY	ALLOCATION MADE BY NRLDC AT POWER PLANT	ALLOCATION MADE BY NRLDC AT DELHI PERIPHERY
HIMACHAL PRADESH	17.779	17.623	17.623	17.242
WEST BENGAL	16.253	16.120	16.120	15.770
MADHYA PRADESH(WR)	25.835	25.414	25.414	24.862
MADHYA PRADESH(WR-ER)	0.000	0.000	0.000	0.000
NAGALAND	0.000	0.000	0.000	0.000
UTTRANCHAL	50.727	49.976	49.976	48.897
SIKKIM	0.000	0.000	0.000	0.000
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	0.000	0.000	0.000	0.000
JAMMU & KASHMIR	0.000	0.000	0.000	0.000
TO ANDHRA(ER)	0.000	0.000	0.000	0.000
TO MAHARASHTRA	0.000	0.000	0.000	0.000
TO PUNJAB	-52.711	-53.183	-53.183	-54.372
TO HIMACHAL PRADESH	0.000	0.000	0.000	0.000
TO KERALA(ER)	0.000	0.000	0.000	0.000
TO KERALA (WR)	0.000	0.000	0.000	0.000
POWER EXCHANGE(IEX)	1.647	1.611	1.647	1.611
TO POWER EXCHANGE (IEX)	-63.120	-64.529	-63.120	-64.529
POWRER EXCHANGE(PX)	0.000	0.000	0.000	0.000
TO POWER EXCHANGE (PX)	-1.487	-1.524	-1.487	-1.524
TOTAL	**2308.304**	**2257.215**	**1985.558**	**1937.237**

C) AGENCY WISE BREAKUP OF ENERGY SCHEDULED DRAWL FROM THE 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
NTPC - NR	1382.135	1352.122	1204.501	1178.330
NTPC - ER	98.002	95.877	74.312	72.699
NHPC	216.258	211.566	216.258	211.566
NPC	57.590	56.339	57.590	56.339
KOTESHWAR	6.291	6.154	6.291	6.154
NATHPA JHAKRI	101.011	98.822	101.011	98.822
TEHRI	59.090	57.812	59.090	57.812
TALA	20.067	19.630	20.067	19.630
JHAJJAR	153.485	150.154	36.218	35.420
TALCHER	0.000	0.000	0.000	0.000
DVC	77.598	76.909	76.909	75.240
CHATTISHGARH	58.286	57.522	57.522	56.267
ANDHRA	0.000	0.000	0.000	0.000
DVC TATA STEEL (NDPL)	83.570	82.800	82.800	81.001
ORISSA	0.000	0.000	0.000	0.000
KERALA	0.000	0.000	0.000	0.000
HIMACHAL PRADESH	17.779	17.623	17.623	17.242
WEST BENGAL	16.253	16.120	16.120	15.770
MADHYA PRADESH(WR)	25.835	25.414	25.414	24.862
MADHYA PRADESH(WR-ER)	0.000	0.000	0.000	0.000
NAGALAND	0.000	0.000	0.000	0.000
UTTRANCHAL	50.727	49.976	49.976	48.897
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	0.000	0.000	0.000	0.000
JAMMU & KASHMIR	0.000	0.000	0.000	0.000
SIKKIM	0.000	0.000	0.000	0.000
POWER EXCHANGE(IEX)	1.647	1.611	1.647	1.611
POWER EXCHANGE(PX)	0.000	0.000	0.000	0.000
TOTAL	**2425.623**	**2376.451**	**2103.348**	**2057.662**

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)	0.000	0.000	0.000	0.000
TO MAHARASHTRA	0.000	0.000	0.000	0.000
TO PUNJAB	-52.711	-53.183	-53.183	-54.372
TO HIMACHAL PRADESH	0.000	0.000	0.000	0.000
TO KERALA(ER)	0.000	0.000	0.000	0.000
TO KERALA (WR)	0.000	0.000	0.000	0.000
TO POWER EXCHANGE (IEX)	-63.120	-64.529	-63.120	-64.529
TO POWER EXCHANGE (PX)	-1.487	-1.524	-1.487	-1.524
TOTAL	**-117.318**	**-119.236**	**-117.790**	**-120.425**
TOTAL SCHEDULED DRAWAL FROM THE GRID	**2308.304**	**2257.215**	**1985.558**	**1937.237**
TOTAL CONSUMPTION INCLUDING AUX. OF GENERATING STNs. EXCLUDING BTPS				2467.029
NET CONSUMPTION				2448.879
AVAILABILITY WITHIN DELHI				711.139
ACTUAL DRAWAL FROM THE GRID				1737.737
OVER DRAWAL(+)/UNDER DRAWAL(-) FROM THE GRID ON THE BASIS OF SCHEDULED ALLOCATION MADE BY NRLDC TO DELHI AT PERIPHERY				-199.500
LOAD SHEDDING				**4.131**
UNRESTRICTED DEMAND (GROSS)				**2471.160**
UNRESTRICTED DEMAND (NET)				**2453.007**
MAX. NET CONSUMPTION				95.485Mus. ON 01.09.2011
MAX. LOAD SHEDDING				345W ON 10.09.2011 AT 11.25HRS.
PEAK LOAD	Peak Demand during the month			SHEDDING AT PEAK TIME
DAY PEAK	4674MW AT 16.00.00HRS ON 01.09.2011			NIL
EVENING PEAK	4713MW AT 21.55:16HRS ON 01.09.2011			NIL
P.L.F. OF GENCO AND PRAGATI STNs.	RPH GT PRAGATI RITHALA			60.49% 44.56% 91.72% 40.35%

9 SHEDDING DETAILS DURING THE MONTH OF SEPTEMBER 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 -Sep -11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
2- Sep -11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.008	0.000	0.000
3- Sep -11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
4- Sep -11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
5- Sep -11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
6- Sep -11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
7- Sep -11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
8- Sep -11	1	0.000	0.026	0.000	0.000	**0.026**	0.000	0.000	0.000	0.000
9- Sep -11	1	0.000	0.005	0.000	0.000	**0.005**	0.000	0.104	0.068	0.000
10- Sep -11	0	0.000	0.000	0.000	0.000	**0.000**	0.131	0.321	0.000	0.000
11- Sep -11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
12- Sep -11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
13- Sep -11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
14- Sep -11	0	0.000	0.000	0.000	0.000	**0.000**	0.009	0.134	0.000	0.000
15- Sep -11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
16- Sep -11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
17- Sep -11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
18- Sep -11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
19- Sep -11	0	0.000	0.000	0.000	0.000	**0.000**	0.005	0.077	0.000	0.000
20- Sep -11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
21- Sep -11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
22- Sep -11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
23- Sep -11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
24- Sep -11	0	0.000	0.000	0.000	0.000	**0.000**	0.080	0.000	0.000	0.000
25- Sep -11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
26- Sep -11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
27- Sep -11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.054	0.018	0.000
28- Sep -11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
29- Sep -11	3	0.001	0.000	0.001	0.000	**0.002**	0.000	0.000	0.000	0.000
30- Sep -11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
Total	**5**	**0.001**	**0.031**	**0.001**	**0.000**	0.033	**0.225**	**0.698**	**0.086**	**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-Sep -11	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.017	0.006	0.060	0.000	0.000
2- Sep -11	0.000	0.000	0.000	0.000	**0.008**	**0.008**	0.000	0.000	0.080	0.000	0.000
3- Sep -11	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.012	0.024	0.000
4- Sep -11	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.286	0.000	0.018	0.000	0.000
5- Sep -11	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.012	0.000	0.008	0.000
6- Sep -11	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
7- Sep -11	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.023	0.000	0.004	0.000
8- Sep -11	0.000	0.000	0.000	0.000	**0.000**	**0.026**	0.000	0.000	0.025	0.000	0.000
9- Sep -11	0.000	0.000	0.000	0.000	**0.172**	**0.177**	0.000	0.004	0.000	0.000	0.000
10- Sep -11	0.000	0.000	0.000	0.000	**0.452**	**0.452**	0.000	0.120	0.000	0.004	0.000
11- Sep -11	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
12- Sep -11	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
13- Sep -11	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
14- Sep -11	0.000	0.000	0.000	0.000	**0.143**	**0.143**	0.000	0.005	0.000	0.000	0.000
15- Sep -11	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.023	0.119	0.056	0.000	0.000
16- Sep -11	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
17- Sep -11	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.006	0.041	0.005	0.000	0.000
18- Sep -11	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
19- Sep -11	0.000	0.000	0.000	0.000	**0.082**	**0.082**	0.019	0.000	0.021	0.000	0.000
20- Sep -11	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.012	0.000	0.000	0.000
21- Sep -11	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.220	0.000	0.001	0.000	0.000
22- Sep -11	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
23- Sep -11	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
24- Sep -11	0.000	0.000	0.000	0.000	**0.080**	**0.080**	0.000	0.000	0.009	0.000	0.000
25- Sep -11	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.047	0.004	0.000	0.000	0.000
26- Sep -11	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.037	0.014	0.000	0.000
27- Sep -11	0.000	0.000	0.000	0.000	**0.072**	**0.072**	0.000	0.000	0.000	0.000	0.000
28- Sep -11	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
29- Sep -11	0.000	0.000	0.000	0.000	**0.000**	**0.002**	0.000	0.000	0.000	0.000	0.000
30- Sep -11	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.003	0.000	0.000	0.000
Total	**0.000**	**0.000**	**0.000**	**0.000**	**1.009**	**1.042**	**0.618**	**0.386**	**0.301**	**0.040**	**0.000**

ALL FIGURES IN MUs

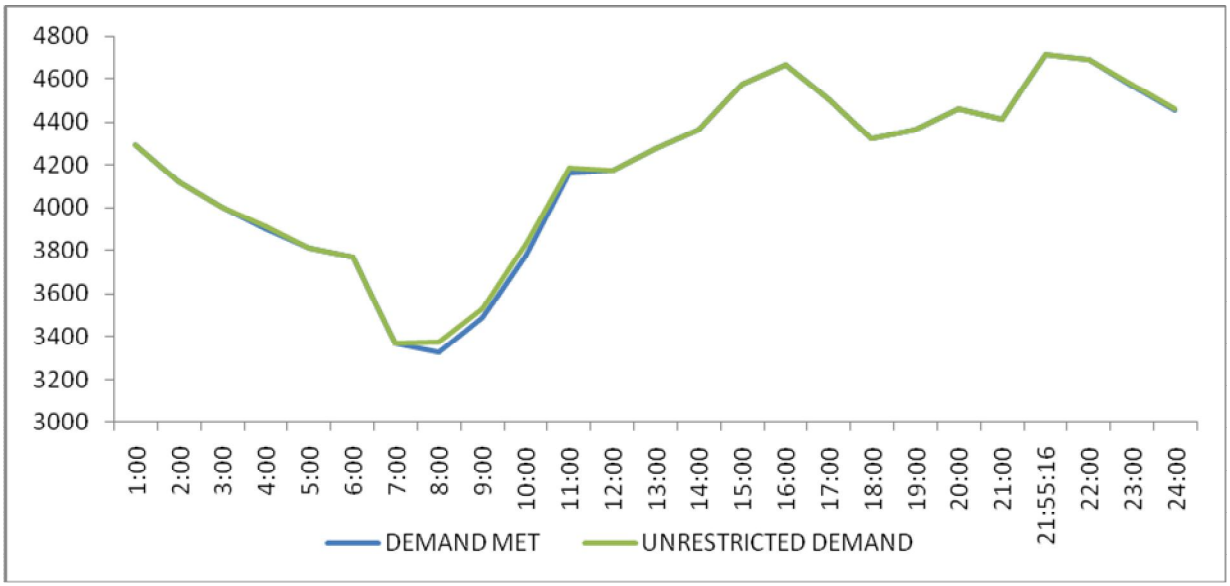
DATE	DUE TO T&D CONTRAINTS				OTHER AGENCIES LIKE GENCO, BBMB, BTPS ETC.	THEFT PRONE SHEDDING			TOTAL SHEDDING DUE TO T&D CONSTS. & THEFT PRONE	GRAND TOTAL
	DISCOMS									
	BSES		NDPL	NDMC		BSES		NDPL		
	BYPL	BRPL				BYPL	BRPL			
1	23	24	25		26	27	28	29	30=18 to29	31=30+17
1-Sep -11	0.144	0.007	0.007	0.000	0.000	0.000	0.000	0.000	**0.241**	**0.241**
2- Sep -11	0.015	0.066	0.041	0.000	0.000	0.000	0.000	0.000	**0.202**	**0.210**
3- Sep -11	0.000	0.004	0.003	0.000	0.001	0.000	0.000	0.000	**0.044**	**0.044**
4- Sep -11	0.013	0.008	0.001	0.000	0.000	0.000	0.000	0.000	**0.326**	**0.326**
5- Sep -11	0.000	0.004	0.007	0.000	0.009	0.000	0.000	0.000	**0.040**	**0.040**
6- Sep -11	0.007	0.000	0.003	0.000	0.000	0.000	0.000	0.000	**0.010**	**0.010**
7- Sep -11	0.000	0.050	0.002	0.000	0.000	0.000	0.000	0.000	**0.079**	**0.079**
8- Sep -11	0.000	0.017	0.025	0.000	0.000	0.000	0.000	0.000	**0.067**	**0.093**
9- Sep -11	0.000	0.033	0.032	0.000	0.000	0.000	0.000	0.000	**0.069**	**0.246**
10- Sep -11	0.009	0.108	0.036	0.000	0.000	0.000	0.000	0.000	**0.277**	**0.729**
11- Sep -11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**	**0.000**
12- Sep -11	0.012	0.024	0.0001	0.000	0.000	0.000	0.000	0.000	**0.036**	**0.036**
13- Sep -11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**	**0.000**
14- Sep -11	0.000	0.044	0.010	0.000	0.000	0.000	0.000	0.000	**0.059**	**0.202**
15- Sep -11	0.000	0.033	0.126	0.000	0.000	0.000	0.000	0.000	**0.357**	**0.357**
16- Sep -11	0.000	0.016	0.009	0.000	0.000	0.000	0.000	0.000	**0.025**	**0.025**
17- Sep -11	0.000	0.005	0.002	0.000	0.000	0.000	0.000	0.000	**0.059**	**0.059**
18- Sep -11	0.000	0.016	0.001	0.000	0.029	0.000	0.000	0.000	**0.046**	**0.046**
19- Sep -11	0.002	0.003	0.013	0.000	0.321	0.000	0.000	0.000	**0.379**	**0.461**
20- Sep -11	0.000	0.011	0.001	0.000	0.000	0.000	0.000	0.000	**0.024**	**0.024**
21- Sep -11	0.000	0.068	0.000	0.000	0.000	0.000	0.000	0.000	**0.289**	**0.289**
22- Sep -11	0.004	0.004	0.002	0.000	0.000	0.000	0.000	0.000	**0.010**	**0.010**
23- Sep -11	0.014	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.014**	**0.014**
24- Sep -11	0.000	0.000	0.006	0.000	0.055	0.000	0.000	0.000	**0.070**	**0.150**
25- Sep -11	0.017	0.000	0.008	0.000	0.094	0.000	0.000	0.000	**0.170**	**0.170**
26- Sep -11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.051**	**0.051**
27- Sep -11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**	**0.072**
28- Sep -11	0.007	0.088	0.001	0.000	0.000	0.000	0.000	0.000	**0.096**	**0.096**
29- Sep -11	0.000	0.025	0.000	0.000	0.000	0.000	0.000	0.000	**0.025**	**0.027**
30- Sep -11	0.011	0.009	0.001	0.000	0.000	0.000	0.000	0.000	**0.024**	**0.024**
Total	**0.255**	**0.643**	**0.337**	**0.000**	0.509	**0.000**	**0.000**	**0.000**	**3.089**	**4.131**

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-Sep -11	94.485	**4713**	21:55:16	0	**4713**	**4713**	21:55:16	**4713**	0
2- Sep -11	94.333	**4639**	15:30:53	6	**4645**	**4645**	15:30:53	**4639**	6
3- Sep -11	85.109	**4401**	00:00:10	3	**4404**	**4404**	00:00:10	**4401**	3
4- Sep -11	75.395	**3932**	00:00:06	0	**3932**	**3932**	00:00:06	**3932**	0
5- Sep -11	77.477	**3932**	15:22:21	0	**3932**	**3932**	15:22:21	**3932**	0
6- Sep -11	79.790	**4092**	19:04:39	0	**4092**	**4092**	19:04:39	**4092**	0
7- Sep -11	83.302	**4035**	19:21:52	8	**4043**	**4043**	19:21:52	**4035**	8
8- Sep -11	83.485	**4239**	15:15:27	0	**4239**	**4239**	15:15:27	**4239**	0
9- Sep -11	78.712	**3938**	18:50:58	77	**4015**	**4039**	19:00	**3867**	172
10- Sep -11	78.789	**3944**	22:35:50	0	**3944**	**3974**	21:00	**3832**	142
11- Sep -11	77.848	**3984**	22:56:26	0	**3984**	**3984**	22:56:26	**3984**	0
12- Sep -11	84.545	**4259**	19:22:47	0	**4259**	**4259**	19:22:47	**4259**	0
13- Sep -11	84.960	**4411**	22:18:05	0	**4411**	**4411**	22:18:05	**4411**	0
14- Sep -11	89.364	**4579**	22:36:54	0	**4579**	**4579**	22:36:54	**4579**	0
15- Sep -11	83.513	**4370**	00:00:08	0	**4370**	**4370**	00:00:08	**4370**	0
16- Sep -11	80.479	**4289**	19:21:32	0	**4289**	**4289**	19:21:32	**4289**	0
17- Sep -11	79.108	**3991**	19:46:05	0	**3991**	**3991**	19:46:05	**3991**	0
18- Sep -11	74.516	**3835**	22:55:50	0	**3835**	**3835**	22:55:50	**3835**	0
19- Sep -11	81.600	**4227**	19:56::34	0	**4227**	**4227**	19:56::34	**4227**	0
20- Sep -11	83.242	**4155**	19:06:19	0	**4155**	**4155**	19:06:19	**4155**	0
21- Sep -11	82.807	**4087**	15:09:09	5	**4092**	**4092**	15:09:09	**4087**	5
22- Sep -11	82.996	**4134**	19:05:35	0	**4134**	**4134**	19:05:35	**4134**	0
23- Sep -11	83.302	**4135**	18:45:41	0	**4135**	**4135**	18:45:41	**4135**	0
24- Sep -11	77.674	**3905**	19:07:03	0	**3905**	**3905**	19:07:03	**3905**	0
25- Sep -11	73.431	**3808**	22:43:13	0	**3808**	**3808**	22:43:13	**3808**	0
26- Sep -11	79.347	**4005**	19:20:29	0	**4005**	**4005**	19:20:29	**4005**	0
27- Sep -11	81.158	**4075**	19:26:35	0	**4075**	**4075**	19:26:35	**4075**	0
28- Sep -11	80.706	**4071**	19:29:26	0	**4071**	**4071**	19:29:26	**4071**	0
29- Sep -11	79.359	**4087**	19:21:20	0	**4087**	**4087**	19:21:20	**4087**	0
30- Sep -11	78.044	**3989**	19:04:37	0	**3989**	**3989**	19:04:37	**3989**	0
Total	2448.876	4713 **01.09.2011**	21.55.16	0	4713	4713 **01.09.2011**	21.55.16	4713	0

10 LOAD PATTERN OF DELHI ON THE DAY OF PEAK DEMAND MET DURING SEPTEMBER 2011 ON 01.09.201-4713MW at 21.55.16HRS..

All figures in MW

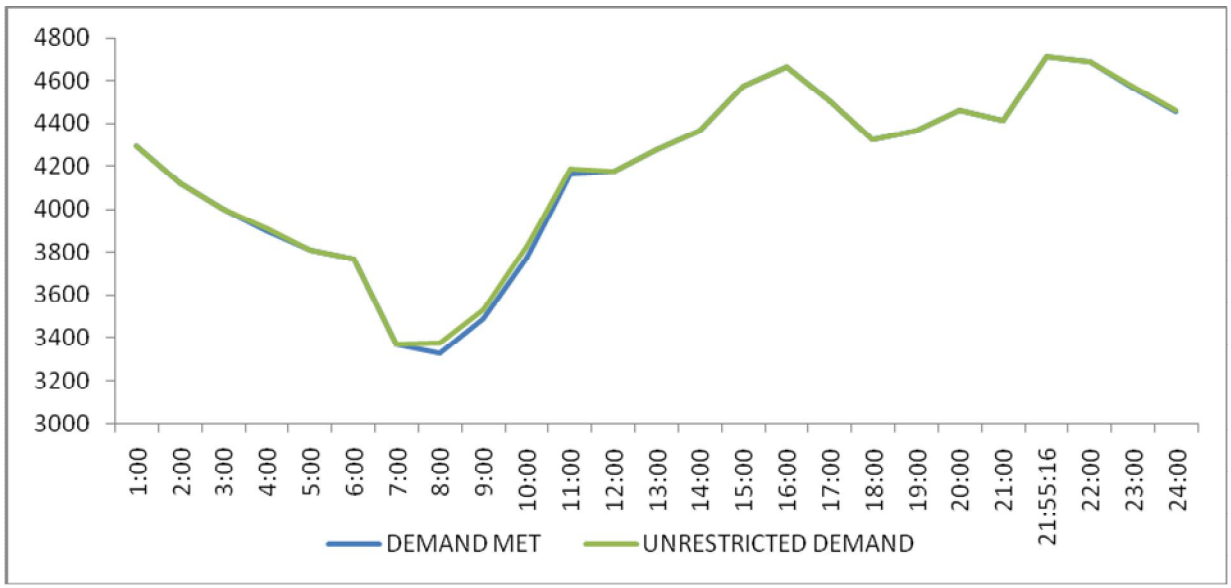
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1:00	4293	0	4293
2:00	4123	0	4123
3:00	3999	0	3999
4:00	3901	14	3915
5:00	3808	0	3808
6:00	3771	0	3771
7:00	3368	0	3368
8:00	3328	45	3373
9:00	3488	45	3533
10:00	3777	54	3831
11:00	4162	23	4185
12:00	4174	0	4174
13:00	4278	0	4278
14:00	4367	0	4367
15:00	4576	0	4576
16:00	4663	0	4663
17:00	4501	0	4501
18:00	4323	0	4323
19:00	4364	0	4364
20:00	4461	0	4461
21:00	4414	0	4414
21:55:16	4713	0	4713
22:00	4689	0	4689
23:00	4567	6	4573
24:00	4457	4	4461
ENERGY IN MUS	**94.485**	**0.241**	94.726



11 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UN-RESTRICTED DEMAND DURING SEPTEMBER 2011 ON 01.09.201-4713MW at 21.55.16HRS.

All figures in MW

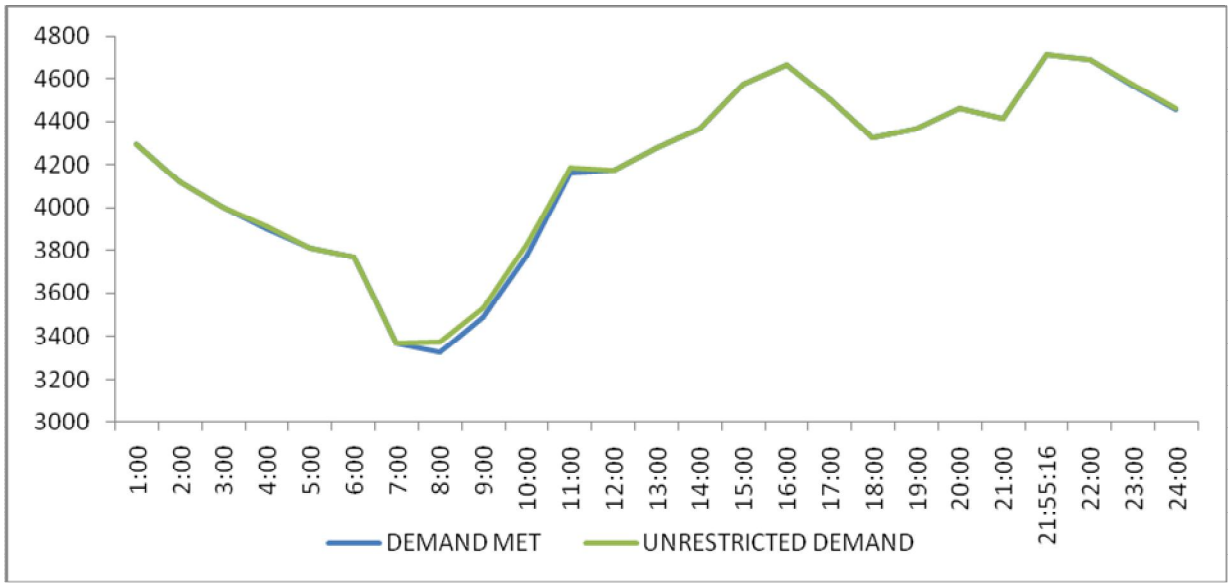
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1:00	4293	0	4293
2:00	4123	0	4123
3:00	3999	0	3999
4:00	3901	14	3915
5:00	3808	0	3808
6:00	3771	0	3771
7:00	3368	0	3368
8:00	3328	45	3373
9:00	3488	45	3533
10:00	3777	54	3831
11:00	4162	23	4185
12:00	4174	0	4174
13:00	4278	0	4278
14:00	4367	0	4367
15:00	4576	0	4576
16:00	4663	0	4663
17:00	4501	0	4501
18:00	4323	0	4323
19:00	4364	0	4364
20:00	4461	0	4461
21:00	4414	0	4414
21:55:16	4713	0	4713
22:00	4689	0	4689
23:00	4567	6	4573
24:00	4457	4	4461
ENERGY IN MUS	**94.485**	**0.241**	94.726



12 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM ENERGY CONSUMED DURING SEPTEMBER 2011 – 01.09.2011 – 94.485 Mus

All figures in MW

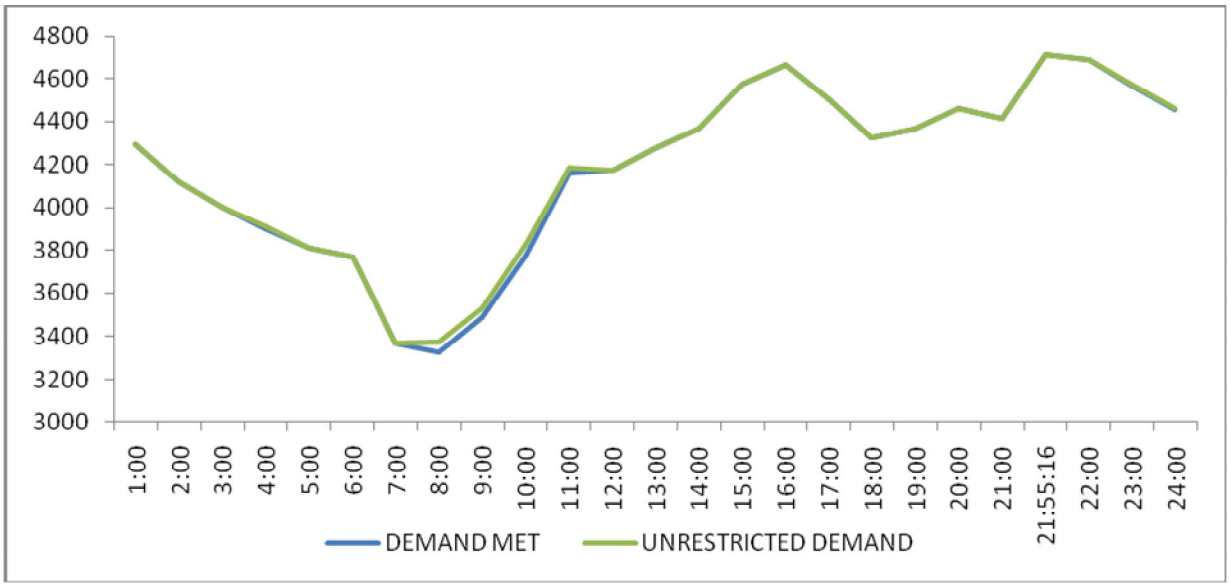
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1:00	4293	0	4293
2:00	4123	0	4123
3:00	3999	0	3999
4:00	3901	14	3915
5:00	3808	0	3808
6:00	3771	0	3771
7:00	3368	0	3368
8:00	3328	45	3373
9:00	3488	45	3533
10:00	3777	54	3831
11:00	4162	23	4185
12:00	4174	0	4174
13:00	4278	0	4278
14:00	4367	0	4367
15:00	4576	0	4576
16:00	4663	0	4663
17:00	4501	0	4501
18:00	4323	0	4323
19:00	4364	0	4364
20:00	4461	0	4461
21:00	4414	0	4414
21:55:16	4713	0	4713
22:00	4689	0	4689
23:00	4567	6	4573
24:00	4457	4	4461
ENERGY IN MUS	**94.485**	**0.241**	94.726



13 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UNRESTRICTED ENERGY DEMAND DURING SEPTEMBER 2011 – 01.09.2011 – 94.726 Mus

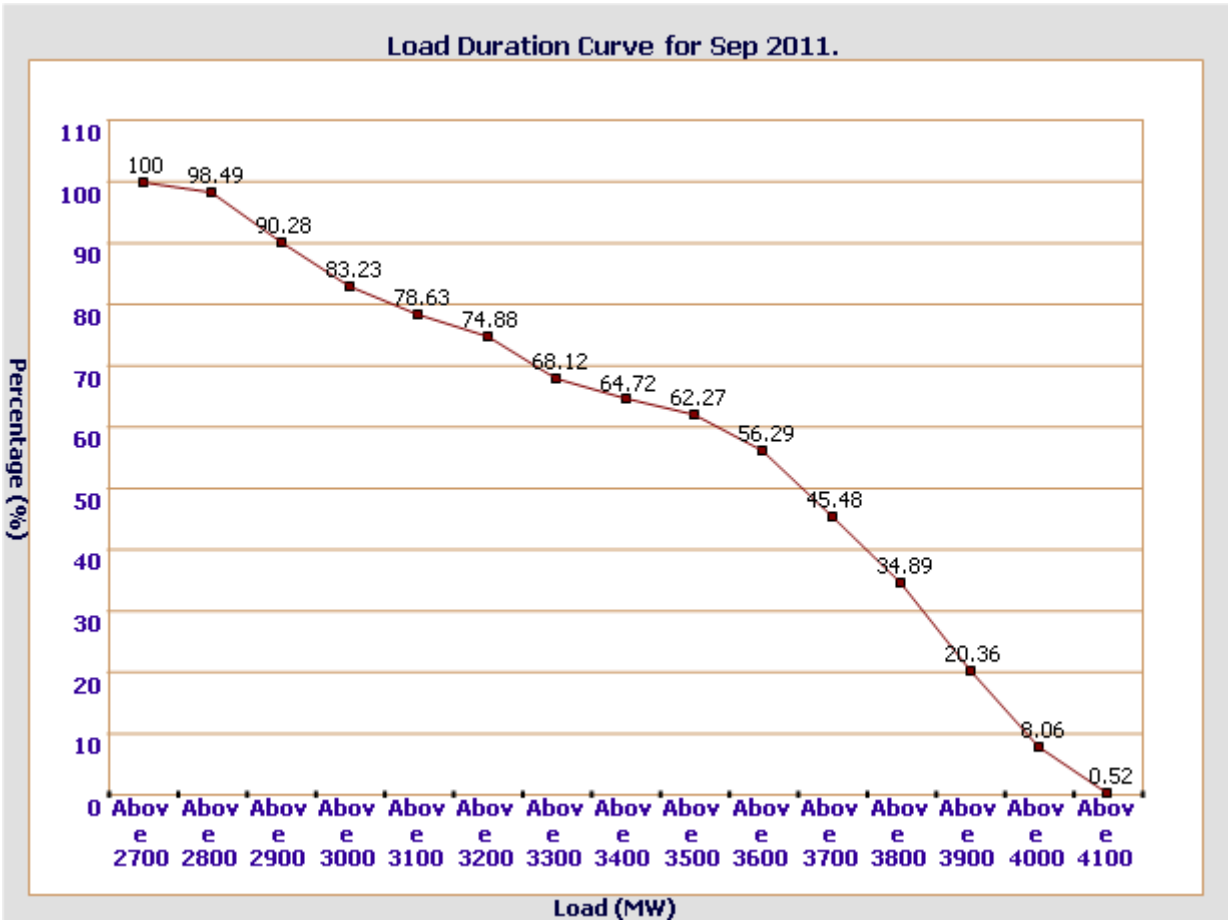
All figures in MW

Hrs.	Demand	Load Shedding	Un-Restricted Demand
1:00	4293	0	4293
2:00	4123	0	4123
3:00	3999	0	3999
4:00	3901	14	3915
5:00	3808	0	3808
6:00	3771	0	3771
7:00	3368	0	3368
8:00	3328	45	3373
9:00	3488	45	3533
10:00	3777	54	3831
11:00	4162	23	4185
12:00	4174	0	4174
13:00	4278	0	4278
14:00	4367	0	4367
15:00	4576	0	4576
16:00	4663	0	4663
17:00	4501	0	4501
18:00	4323	0	4323
19:00	4364	0	4364
20:00	4461	0	4461
21:00	4414	0	4414
21:55:16	4713	0	4713
22:00	4689	0	4689
23:00	4567	6	4573
24:00	4457	4	4461
ENERGY IN MUS	**94.485**	**0.241**	94.726



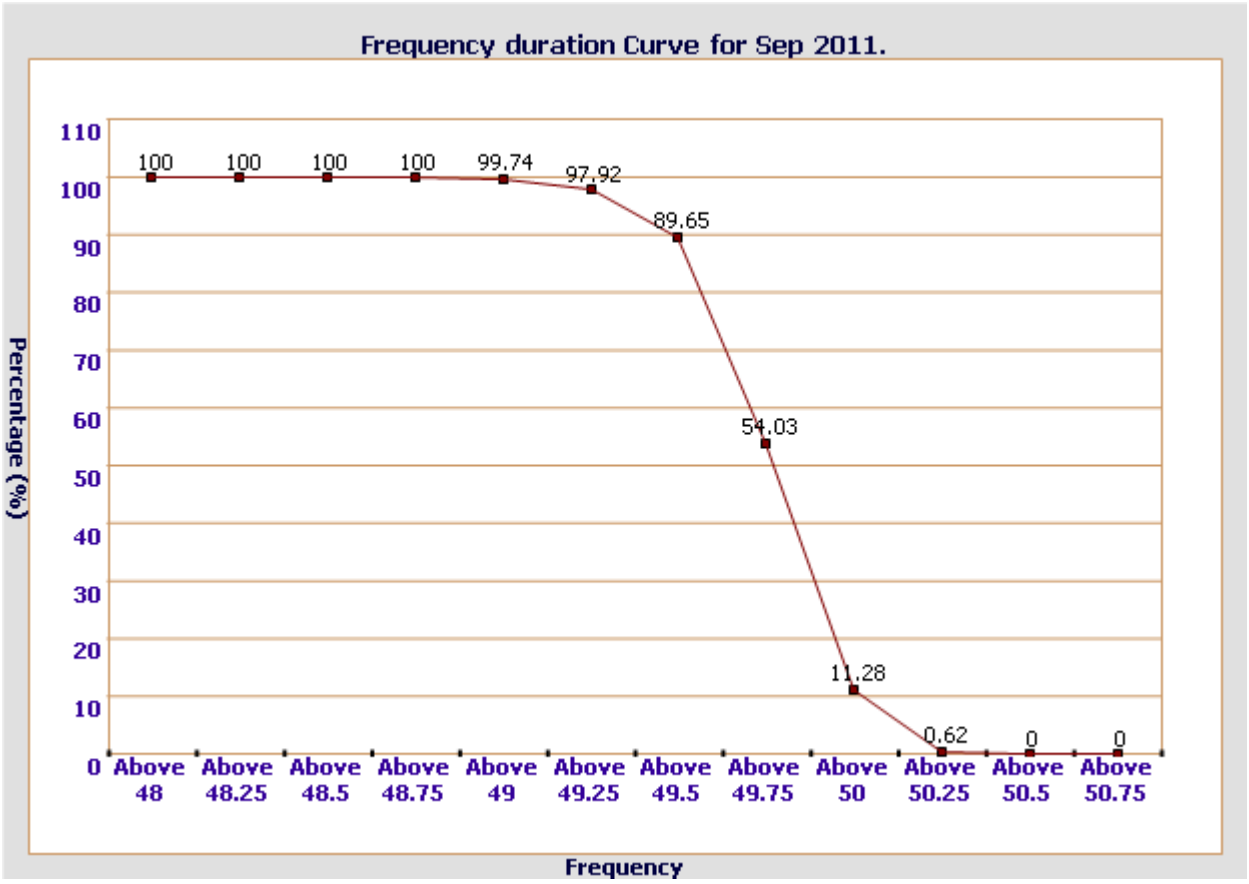
14 LOAD DURATION CURVE FOR SEPTEMBER 2011

Load in MW	Percentage of Time
Above 2700	100 %
Above 2800	98.49 %
Above 2900	90.28 %
Above 3000	83.23 %
Above 3100	78.63 %
Above 3200	74.88 %
Above 3300	68.12 %
Above 3400	64.72 %
Above 3500	62.27 %
Above 3600	56.29 %
Above 3700	45.48 %
Above 3800	34.89 %
Above 3900	20.36 %
Above 4000	8.06 %
Above 4100	0.52 %



15 FREQUENCY ANALYSIS FOR THE MONTH OF SEPTEMBER 2011

Frequency Range in Hz.	Percentage of time
Above 48.5	100 %
Above 48.75	100 %
Above 49	99.74 %
Above 49.25	97.92 %
Above 49.5	89.65 %
Above 49.75	54.03 %
Above 50	11.28 %
Above 50.25	0.62 %
Above 50.5	0 %



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

All figures in kV

Date	NARELA		GAZIPUR	
	Max	Min	Max	Min
1-Sep -11	--	--	--	--
2- Sep -11	--	--	--	--
3- Sep -11	--	--	--	--
4- Sep -11	--	--	--	--
5- Sep -11	--	--	--	--
6- Sep -11	230.47	218.35	228.15	215.12
7- Sep -11	--	--	--	--
8- Sep -11	--	--	--	--
9- Sep -11	--	--	--	--
10- Sep -11	--	--	--	--
11- Sep -11	--	--	--	--
12- Sep -11	--	--	--	--
13- Sep -11	--	--	--	--
14- Sep -11	--	--	--	--
15- Sep -11	--	--	--	--
16- Sep -11	--	--	--	--
17- Sep -11	--	--	--	--
18- Sep -11	--	--	--	--
19- Sep -11	--	--	--	--
20- Sep -11	228.79	214.48	228.66	213.14
21- Sep -11	--	--	--	--
22- Sep -11	229.82	210.09	227.37	214.99
23- Sep -11	227.63	212.41	228.02	213.96
24- Sep -11	229.44	216.28	228.92	217.96
25- Sep -11	229.44	220.28	226.99	217.83
26- Sep -11	231.76	214.73	227.50	217.18
27- Sep -11	--	--	--	--
28- Sep -11	--	--	--	--
29- Sep -11	--	--	--	--
30- Sep -11	--	--	--	--

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

All figures in kV

Date	400kV Bamnauli Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
1-Sep -11	--	--	--	--	--
2- Sep -11	--	--	--	--	--
3- Sep -11	--	--	--	--	--
4- Sep -11	--	--	--	--	--
5- Sep -11	--	--	--	--	--
6- Sep -11	414.81	08.02.01	396.76	18.58.39	402.42
7- Sep -11	--	--	--	--	--
8- Sep -11	--	--	--	--	--
9- Sep -11	--	--	--	--	--
10- Sep -11	--	--	--	--	--
11- Sep -11	--	--	--	--	--
12- Sep -11	--	--	--	--	--
13- Sep -11	--	--	--	--	--
14- Sep -11	--	--	--	--	--
15- Sep -11	--	--	--	--	--
16- Sep -11	--	--	--	--	--
17- Sep -11	--	--	--	--	--
18- Sep -11	--	--	--	--	--
19- Sep -11	--	--	--	--	--
20- Sep -11	--	--	393.24	18.52.15	400.22
21- Sep -11	--	--	--	--	--
22- Sep -11	413.17	03.45.36	390.89	14.48.11	399.44
23- Sep -11	415.05	08.02.35	389.25	15.18.46	402.43
24- Sep -11	416.22	07.52.24	397.93	14.17.57	406.17
25- Sep -11	413.41	02.46.39	398.40	19.44.43	406.87
26- Sep -11	413.87	05.59.08	394.88	14.43.48	405.79
27- Sep -11	--	--	--	--	--
28- Sep -11	--	--	--	--	--
29- Sep -11	--	--	--	--	--
30- Sep -11	--	--	--	--	--

Date	400kV Bawana Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
1-Sep -11	--	--	--	--	--
2- Sep -11	--	--	--	--	--
3- Sep -11	--	--	--	--	--
4- Sep -11	--	--	--	--	--
5- Sep -11	--	--	--	--	--
6- Sep -11	415.05	08.07.02	397.93	16.37.40	403.44
7- Sep -11	--	--	--	--	--
8- Sep -11	--	--	--	--	--
9- Sep -11	--	--	--	--	--
10- Sep -11	--	--	--	--	--
11- Sep -11	--	--	--	--	--
12- Sep -11	--	--	--	--	--
13- Sep -11	--	--	--	--	--
14- Sep -11	--	--	--	--	--
15- Sep -11	--	--	--	--	--
16- Sep -11	--	--	--	--	--
17- Sep -11	--	--	--	--	--
18- Sep -11	--	--	--	--	--
19- Sep -11	--	--	--	--	--
20- Sep -11	--	--	395.12	18.51.35	402.23
21- Sep -11	--	--	--	--	--
22- Sep -11	413.87	03.45.46	393.71	15.04.42	402.26
23- Sep -11	416.22	08.02.25	392.77	15.18.56	403.76
24- Sep -11	416.22	07.52.14	400.51	14.17.47	407.75
25- Sep -11	414.81	02.46.39	399.81	19.45.23	408.35
26- Sep -11	414.81	07.26.02	397.23	14.43.48	407.37
27- Sep -11	--	--	--	--	--
28- Sep -11	--	--	--	--	--
29- Sep -11	--	--	--	--	--
30- Sep -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**	

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
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 SEPTEMBER 2011

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
01	01.09.11	05.12	220KV PANIPAT – NARELA CKT-III	01.09.11	06.11	CKT. TRIPPED ON DIST PROT `ABC' PHASE ZONE-I AT NARELA.
02	01.09.11	09.30	220KV BAWANA – SHALIMAR BAGH CKT-I	01.09.11	09.42	CKT. TRIPPED ON 186 `A' PHASE AT BAWANA. NO TRIPPING AT SHALIMAR BAGH.
03	01.09.11	18.02	220KV MANDOLA – GOPALPUR CKT-I	01.09.11	18.32	CKT. TRIPPED ON DIST PROT `R&Y' PHASE ZONE-I, O/C AT MANDOLA. NO TRIPPING AT GOPALPUR.
04	01.09.11	21.45	66/11KV 20MVA PR. TR-II AT PAPPANKALAN-II	01.09.11	22.08	TR. TRIPPED ON `B'C PHASE O/C
05	02.09.11	02.11	220KV BAWANA – SHALIMARBAGH CKT-II	02.09.11	07.20	CKT TRIPPED ON DIST PROT `A' PHASE, 195AC, 295AC, 86 AT BAWANA. NO TRIPPING AT SHALIMAR BAGH.
06	02.09.11	09.20	220/66KV 100MVA PR. TR.-II AT NARELA	02.09.11	10.57	TR. TRIPPED ON 86 ALONG WITH ITS 66KV I/C WHICH TRIPPED WITHOUT INDICATION.
07	03.09.11	00.55	220KV MANDOLA – GOPALPUR CKT-I	03.09.11	02.47	CKT. TRIPPED ON DIST PROT `RYB' PHASE AT GOPALPUR AND ON DIST PROT `R' PHASE ZONE-I AT MANDOLA.
08	04.09.11	00.52	220KV GEETA COLONY – PATPARGANJ CKT-I & II	04.09.11	01.30	THE FOLLOWING TRIPPINGS OCCURRED AT GEETA COLONY : 220KV PATPARGANJ CKT-I : MAIN-I DIST PROT `ABC' PHASE ZONE-I MAIN-II : DIST PROT `A' PHASE ZONE-I 220KV PATPARGANJ CKT-II : MAIN-I : ACTIVE GROUP-I, DIST PROT 'ABC' PHASE ZONE-I MAIN-II : DIST PROT `ABC' PHASE ZONE-I NO TRIPPING AT PATPARGANJ. CKT-I & II CHARGED AT 01.20HRS. AND 01.30HRS. RESPECTIVELY.
09	04.09.11	03.40	220/33KV 100MVA PR. TR-I AT GEETA COLONY	04.09.11	04.52	TR. TRIPPED ON 86, 30B, 30E, E/F ALONG WITH ITS 33KV I/C-I WHICH TRIPPED ON 30B.
10	04.09.11	03.39	220KV MANDOLA – WAZIRABAD CKT-I & II	04.09.11	16.28	220KV WAZIRABAD CKT-I & II TRIPPED ON DIST PROT `B' PHASE AT MANDOLA. CKT-I TRIPPED ON DIST PROT `B' PH. ZONE-III AND CKT-II TRIPPED ON DIST PROT `R' PHASE ZONE-I AT WAZIRABAD. TOP PHASE CONDUCTOR FOUND DECLAMPED FROM INSULATOR STRING AT TOWER NO. 49. CKT-I & II CHARGED AT 16.28HRS. AND 04.25HRS RESPECTIVELY.
11	04.09.11	03.39	220/66KV 100MVA PR. TR.-I & II AT WAZIRABAD	04.09.11	06.20	TR.-I & III TRIPPED ON E/F. TR-I CHARGED AT 06.20HRS. AND 04.39HRS RESPECTIVELY.
12	04.09.11	04.03	220/66KV 100MVA PR. TR.-I AT SARITA VIHAR	04.09.11	13.04	TR. TRIPPED ON 30B, 30H, 30K, 30L ALONG WITH ITS 66KV I/C-I WHICH TRIPPED ON INTER TRIPPING, 86.
13	04.09.11	04.25	33/11KV 16MVA PR. TR.-II AT GOPALPUR	04.09.11	13.48	TR. TRIPPED ON OLTC BUCHLOZ ALONG WITH ITS 11KV I/C-II WHICH TRIPPED ON O/C 'B' PHASE.
14	04.09.11	05.42	220KV GOPALPUR – SUBZI MANDI CKT-II	05.09.11	15.16	CKT. TRIPPED ON DC SUPERVISION RELAY AT GOPALPUR. NO TRIPPING AT SUBZI MANDI.
15	04.09.11	08.47	400KV MUNDKA – JHAJJAR CKT-I	05.09.11	14.27	CB-41452 OF THE CKT. TRIPPED ON POLE DISCREPANCY AT MUNDKA
16	04.09.11	15.14	220KV PANIPAT – NARELA CKT-I	04.09.11	15.37	CKT. TRIPPED ON DIST PROT `ABC' PHASE ZONE-I AT, E/F AT NARELA.
17	04.09.11	15.40	400KV MUNDKA – BAMNAULI CKT-I	04.09.11	16.50	CB-401 OF THE CKT-I TRIPPED ON DIST PROT `B' PHASE ZONE-II AT MUNDKA AND ON 186A&B, DIST PROT CN ZONE-I AT BAMNAULI.
18	04.09.11	15.40	400KV MUNDKA – BAMNAULI CKT-II	04.09.11	16.37	CKT-II (BREAKER NO.403 & 404) TRIPPED ON POLE DISCREPANCY AT MUNDKA.

19	05.09.11	13.53	220/66KV 160MVA PR. TR. AT VASANT KUNJ	05.09.11	16.38	TR. TRIPPED ON SUDDEN PRESSURE RELAY.
20	06.09.11	04.48	33/11KV 20MVA PR. TR.-II AT LODHI ROAD	06.09.11	08.20	TR. TRIPPED ON BUCHLOZ, 86
21	06.09.11	15.27	400KV MUNDKA – JHAJJAR CKT-II	06.09.11	15.31	CKT. TRIPPED ON GAS PRESSURE LOCK OUT AT MUNDKA.
22	06.09.11	15.31	400/200KV 315MVA ICT-IV AT MUNDKA	06.09.11	21.08	315MVA ICT-IV TRIPPED ON PRV, 86X, 86X-1, 86B ALONG WITH 220KV I/C-IV WHICH TRIPPED ON SUPERVISION RELAY, RYB PHASE GROUP-A, 86A
23	06.09.11	15.31	400KV MUNDKA – BAMNAULI CKT-I & II	06.09.11	20.45	THE FOLLOWING TRIPPINGS OCCURRED :- AT MUNDKA :- 400KV JHAJJAR CKT-I (CB-41452) :- 1496X, 1496S 400KV JHAJJAR CKT-II (CB-41152):- 1196X, 1196S 400KV BAWANA CKT-II : TRIP RELAY, 196, AUX RELAY 1196 400KV BAMNAULI CKT-I : 1986S, TRIP RELAY 596K, 596S 400KV BAMNAULI CKT-II(CB-40352) : F 396H, 396, AUX RELAY 400KV BUS-I : F 396H, 396 TRIP RELAY. BREAKER NO. 41452, 41152 AND BAWANA CKT-II CHARGED AT 20.45HRS, 2030HRS. AND 20.31HRS RESPECTIVELY.
24	06.09.11	18.41	220KV BTPS - MEHRULI CKT-II	06.09.11	19.26	CKT. TRIPPED ON `R' PHASE E/F ZONE-I AT BTPS AND ON DIST PROT ZONE-I, 186 AT MEHRAULI.
25	07.09.11	12.10	220KV BAMNAULI – DIAL CKT-II	08.09.11	02.08	CKT. TRIPPED ON DIST PROT CB PHASE ZONE-I, 186A&B AT BAMNAUL AND ON REL MAIN ZONE-II, REL MAIN ZONE-I, REL FUSE FAILURE `B' PHASE FAULTY, REL MAIN-II PROT TRIP, REL MAIN-II `B' PHASE TRIP RECGE TR. BFR B MAIN-I RED AT DIAL.
26	08.09.11	20.18	220KV BAWANA – ROHINI CKT-I	08.09.11	20.27	CKT. TRIPPED ON DIST PROT `A' PHASE, 21Q AT BAWANA. NO TRIPPING AT ROHINI.
27	10.09.11	11.19	220KV BTPS – MEHRAULI CKT-I	10.09.11	12.03	CKT. TRIPPED ON 30C, ZONE-I AT BTPS AND ON ACTIVE GROUP-I, DIST PROT `C' PHASE ZONE-I, 186A&B AT MEHRAULI.
28	10.09.11	15.04	220KV BTPS – OKHLA CKT-II	10.09.11	15.46	CKT. TRIPPED ON 30G, 30C, 186 AT BTPS. NO TRIPPING AT OKHLA.
29	11.09.11	14.17	220KV BTPS – NOIDA – GAZIPUR CKT.	11.09.11	15.07	CKT. TRIPPED ON `R' PHASE E/F AT NOIDA. NO TRIPPING AT GAZIPUR
30	12.09.11	10.11	400KV BAWANA – ABDULLAPUR CKT-II	12.09.11	10.44	CKT. TRIPPED ON 86A, 86B, 186A, 186B AT BAWANA.
31	14.0.11	02.59	220/66KV 160MVA PR. TR.-III AT MUNDKA	14.09.11	09.58	TR. TRIPPED ON 633GRB,, 632GRA, 213, P632, 64R/86A&B ALONG WITH ITS 66KV I/C-III WHICH TRIPPED ON 86
32	14.09.11	09.00	33/11KV 16MVA PR. TR.-II AT NARAINA	14.09.11	09.35	TR. TRIPPED WITHOUT INDICATION
33	14.09.11	19.46	220KV BAWANA – DSIDC CKT-II	15.09.11	11.55	CKT. TRIPPED ON DIST PROT `A' PHASE ZONE-I AT BAWANA AND ON DIST PROT `ABC' PHASE, 86, 186 AT DSIDC. CKT. TRIED TO CLOSE AT 20.09HRS. BUT DID NOT HOLD. CKT. FINALLY CHARGED AT 11.55HRS. ON 15.09.11
34	15.09.11	01.34	220/33KV 100MVA PR. TR.-IV AT OKHLA	15.09.11	01.40	TR. TRIPPED ON O/C, `R&B' PHASE, 86 ALONG WITH 33KV I/C-III & IV. 33KV I/C-III TRIPPED ON 51C, O/C, 86 AND 33KV I/C-IV TRIPPED ON 86LV, O/C. BOTH I/C CHARGED AT 02.08HRS.
35	15.09.11	02.23	220KV BAWANA – SHALIMAR BAGH CKT-II	15.09.11	03.03	CKT. TRIPPED ON DIST PROT `C' PH. 186A&B AT BAWANA. NO TRIPPING AT SHALIMAR BAGH. 33KV I/C-III TRIPPED ON 86, 95ABC1, `R' PHASE ALONG WITH 33KV O/G SANJAY GANDHI TR. NAGAR CKT. AT SHALIMAR BAGH.
36	15.09.11	19.20	220/66KV 100MVA PR. TR.-II AT MEHRAULI	05.11.11	17.22	TR. TRIPPED ON BUCHLOZ, 86 A&C PHASE, DIFFERENTIAL ALONG WITH 66KV I/C-II WHICH TRIPPED ON INSTANTANEOUS E/F

37	17.09.11	01.24	220/66KV 100MVA PR. TR.-III AT MEHRAULI	17.09.11	02.05	TR. TRIPPED ON O/C, 51CX ALONG WITH 66KV I/C-I & III. 66KV I/C-I TRIPPED ON O/C, 51CX AND 66KV I/C-III TRIPPED ON O/C, 51AX, 51BX, 51CX. 66KV BUS COUPLER ALSO TRIPPED ON 51AX, 51BX, E/F. `B' PHASE CT DAMAGED. BOTH I/CS CHARGED AT 02.05HRS.
38	17.09.11	09.50	220/33KV 100MVA PR. TR.-I AT PARK STREET	17.09.11	15.08	TR. TRIPPED ON OLTC BUCHLOZ, 86R.
39	19.09.11	03.36	400KV MUNDKA – BAWANA CKT-I	19.09.11	04.14	CB-1652 OF THE CKT. TRIPPED ON DIST. PROT `B' PHASE ZONE-I, 86A&B AT BAWANA.
40	20.09.11	11.55	66/11KV 20MVA PR. TR.-II AT MEHRAULI	20.09.11	14.57	TR. TRIPPED ON OLTC BUCHLOZ.
41	20.09.11	13.50	220/66KV 100MVA PR. TR.-I AT OKHLA	20.09.11	14.55	TR. TRIPPED ON BUCHLOZ, 186
42	21.09.11	11.19	220KV BTPS – MEHRAULI CKT-I	21.09.11	18.30	CKT. TRIPPED ON 186, 186, ACTIVE GROUP-A, DIST PROT `C' PHASE ZONE-I AT MEHRAULI.
43	21.09.11	18.13	220KV MANDOLA – WAZIRABAD CKT-II	21.09.11	20.35	CKT. TRIPPED ON DIST PROT `R&Y' PHASE AT MANDOLA AND ON DIST PROT `RYB' PHASE ZONE-I AT WAZIRABAD.
44	24.09.11	07.56	220/33KV 100MVA PR. TR.-II AT KASHMIRI GATE	24.09.11	13.45	TR. TRIPPED ON 86, 30F ALONG WITH ITS 33KV I/C-II WHICH TRIPPED ON 86
45	24.09.11	23.43	220KV MANDOLA – GOPALPUR CKT-I	25.09.11	18.21	CKT. TRIPPED ON DIST PROT ZONE-I AT MANDOLA AND ON DIST PROT `R&B'P HASE ZONE-I AT GOPALPUR. TOP PHASE CONDUCTOR FOUND SNAPPED AT TOWER NO.40
46	25.09.11	10.55	220/66KV 160MVA PR. TR. AT VASANT KUNJ	25.09.11	17.05	TR. TRIPPED ON 30E, 30F, 30G, 30H, 86, SUPERVISION RELAY ALONG WITH ITS 66KV I/C-III WHICH TRIPPED ON 86
47	25.09.11	10.53	220KV BTPS – NOIDA – GAZIPUR CKT.	25.09.11	11.25	CKT. TRIPPED ON `C' PHASE E/F AT BTPS. NO TRIPPING AT GAZIPUR
48	26.09.11	08.08	33/11KV 20MVA PR. TR. AT PATPARGANJ	26.09.11	15.25	TR. TRIPPED ON E/F, 86
49	26.09.11	11.27	220KV BAWANA – ROHINI CKT.-II	26.09.11	12.05	CKT. TRIPPED ON DIST PROT `A' PH. ZONE-II, 186A&B, CB TROUBLE ALARM AT BAWANA. NO TRIPPING AT ROHINI
50	26.09.11	14.44	220/66KV 160MVA PR. TR. AT MUNDKA	26.09.11	16.27	TR. TRIPPED O VISUAL AUDIO ALARM, SF6GAS PRESSURE LOW ALONG WITH ITS 66KV I/C WHICH TRIPPED ON E/F, 86
51	27.09.11	05.55	220/66KV 100MVA PR. TR.-I AT SARITA VIHAR	27.09.11	11.43	TR. TRIPPED ON 86, 87TB, REF ALONG WITH 66KV I/C-I WHICH TRIPPED ON E/F AND 86.
52	27.09.11	11.29	220KV MANDOLA – WAZIRABAD CKT-II	27.09.11	11.41	CKT. TRIPPED WITHOUT INDICATION.
53	29.09.11	10.12	66/11KV 20MVA PR. TR.__ AT SARITA VIHAR	29.09.11	10.32	TR. TRIPPED ON 86, 87T.
54	29.09.11	17.38	220/66KV 160MVA PR. TR. AT MUNDKA	29.09.11	18.53	TR. TRIPPED ON 86, SF6 GAS PRESSURE LOW INDICATIONS.
55	30.09.11	14.54	66/11KV 20MVA PR. TR-I. AT MEHRAULI	30.09.11	17.09	TR. TRIPPED ON 86.

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

DATE	S. N.	TIME		Name of Grid	NAME OF AFFECTED FEEDERS	LOAD RELIEF IN MW
		OUT	IN			
08.09.11	1	19.15	19.35	NAJAFGARH	66kV BODELA CKT. I & II	78
09.09.11	2	19.17	19.35	NAJAFGARH	11kV LOAD	18
29.09.11	3	18.38	18.49	KASHMIRI GATE	11kV LOAD	05
29.09.11	4	21.08	21.21	RAMA ROAD	11kV LOAD	01
29.09.11	5	21.08	21.18	SHAHZADAWALA BAGH	11kV LOAD	08