DELHI TRANSCO LTD.

STATE LOAD DISPATCH CENTER

PROGRESS REPORT

****

NOVEMBER - 2011

1 SALIENT FEATURES OF DELHI POWER SYSTEM

Sr. No.	Features	NOVEMBER 2011	NOVEMBER 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	108	--
	Total	1548	1440
2	**Maximum Unrestricted Demand (MW)**	**3294**	**3234**
	Date	04.11.2011	02.11.2010
	Time	18.15.23	18.45.05
3	**Peak Demand met (MW)**	**3294**	**3231**
	Date	04.11.2011	02.11.2010
	Time	18.15.23	18.45.05
4	Peak Availability (MW)	3434	3045
5	Shortage (-) / Surplus (+) in MW	140	(-) 186
6	Percentage Shortage (-) / Surplus (+)	4.08	(-)6.11
7	Maximum Energy Consume in a day (Mus)	58.271	55.765
8	Energy Consumed during the month	**1648.330**	**1534.941**
9	**Load Shedding in Mus**		
A)	Due to Grid Restrictions		
i)	Under Frequency Relay Operations	0.001	0.000
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	2.151	0.005
	BRPL	0.585	0.000
	BYPL	0.443	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	**3.180**	**0.005**
B)	Due to Constraints in System in Mus		
	DTL	0.270	0.131
	NDPL	0.177	0.185
	BRPL	0.190	0.253
	BYPL	0.184	0.296
	NDMC	0.000	0.000
	MES	0.000	0.000
	Other Agencies	0.644	0.029
	Total	**1.465**	**0.865**
11	**Grand Total in Mus**	**4.645**	**0.870**

2. PERFORMANCE OF GENERATING STATIONS WITHIN DELHI DURING NOVEMBER 2011

A) For the month of NOVEMBER 2011

All Figures in MUs

S. No	Stations	Gross Generation	Aux. Consumption	Net Generation	Availability (%)	Backing Down
1.	**RPH**	60.744	7.969	52.775	61.770	--
2.	**GT**	124.246	3.919	120.327	7.713	26.940
3.	**PPCL**	220.537	5.171	215.366	93.120	1.12
4.	**BTPS**	321.260	29.728	291.532	66.90	13.61
5.	**Rithala**	17.001	0.206	16.795	--	--
	TOTAL	**743.788**	**46.993**	**696.795**		

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

Power Station	Effective Capacity (MW)	Net Generation in MUs For NOV 2011	Availability (%) For NOV. 2011	PLF (%) For NOV. 2011	Cumulative Generation in MUs upto NOV. 2011 for the year 2011-12	Cumulative Availability in % upto NOV. 2011 for the year 2011-12	Cumulative PLF in % upto NOV. 2011 for the year 2011-12
RPH	135	52.775	61.770	61.77	539.356	69.69	69.59
GT	270	120.327	7.713	62.84	850.788	74.22	53.26
PPCL	330	215.366	93.120	92.63	1659.329	90.60	85.45
BTPS	705	291.532	66.90	63.89	2842.317	86.17	75.76
Rithala	**73**	16.795	--	21.86	190.992	--	--
TOTAL	**1513**	**696.795**			**6082.782**		

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	01.09.11	12.52	Turbine tripped
		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
		02.10.11	12.33	02.10.11	12.54	High furnance pressure
		04.10.11	18.16	05.10.11	07.53	Leakage in boiler durm
		17.10.11	18.23	17.10.11	20.50	C&I Fault
		19.10.11	09.42	19.10.11	10.40	Furnance pressure high
		19.10.11	13.20	23.10.11	02.08	Boiler tube leakage
		23.10.11	15.58	23.10.11	16.35	Durm level very low
		01.11.11	13.03	01.11.11	13.35	Due to tripping of bay No. 9
		10.11.11	09.55	10.11.11	12.42	C & I Problem
		11.11.11	11.27	11.11.11	13.18	Due to tripping of bay No. 2
		11.11.11	13.33	11.11.11	17.19	Turbine problem
		15.11.11	21.35	26.11.11	23.05	Boiler tube leakage

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
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	03.10.11	06.00	Boiler tube leakage
		01.11.11	13.03	01.11.11	13.50	Due to tripping of bay no. 19
		03.11.11	20.16	03.11.11	13.45	Turbine problem
		08.11.11	21.05	11.11.11	00.13	Boiler tube leakage
		11.11.11	11.27	11.11.11	14.16	Due to tripping of bay no. 2
		16.11.11	16.10	16.11.11	16.50	Electrical fault
		17.11.11	09.36	17.11.11	10.05	Turbine tripped
		25.11.11	12.35	25.11.11	13.23	Turbine tripped
		30.11.11	20.58	30.11.11	22.55	Turbine vibration high
		30.11.11	23.12	30.11.11	23.59	Turbine vibration high

(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	21.08.11	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	01.10.11	19.38	
		01.10.11	23.04	03.10.11	10.45	
		03.10.11	23.59	04.10.11	10.54	
		08.10.11	23.59	09.10.11	08.37	Machine stopped due to swapping of gas to PPCL
		25.10.11	00.50	25.10.11	05.58	Machine stopped as generation available on spot RLNG
		25.10.11	07.45	25.10.11	10.17	Machine tripped on rotating diode earth fault
		07.11.11	02.05	07.11.11	08.14	Machine stopped to maintain only 115 MW load due to overloading of Pragati- Maharani bagh ckt .
		07.11.11	22.17	07.11.11	23.31	Tripped due to tripping of 2 MVA Tx-I
		08.11.11	00.45	12.11.11	18.06	Machine stopped as generation available on spot RLNG
		12.11.11	20.02	13.11.11	18.02	
		20.11.11	03.15	20.11.11	09.40	Stopped due to high TAD
		26.11.11	15.02	30.11.11	10.20	Machine stopped as generation available on spot RLNG

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	01.10.11	19.10	
		01.10.11	23.06	03.10.11	10.50	
		03.10.11	23.59	04.10.11	10.50	
		16.10.11	13.03	16.10.11	07.12	Tripped on condensate level high trip alarm & reverse power on protection pannel
		07.11.11	02.05	07.11.11	08.05	Machine stopped as generation available on spot RLNG
		20.11.11	05.55	20.11.11	09.32	Machine stopped as generation available in open cycle mode
		26.11.11	18.41	29.11.11	10.14	Machine stopped as generation available on spot RLNG
		30.11.11	10.15	30.11.11	14.00	Machine tripped on combined cycle trip alarm
		30.11.11	14.00	30.11.11	17.35	Machine stopped as generation available on spot RLNG

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 .
		27.10.11	15.15	31.10.11	07.12	Stopped due to low demand and high frequency.
		03.11.11	02.32	03.11.11	09.27	
		23.11.11	00.05	26.11.11	04.50	Machine stopped as generation available on spot RLNG
		26.11.11	15.40	26.11.11	18.10	

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
		24.10.11	06.00	24.10.11	11.40	Machine stopped as generation available on spot RLNG
		25.10.11	00.52	25.10.11	05.55	
		25.10.11	19.20	26.10.11	17.55	
		27.10.11	15.15	02.11.11	11.40	Stopped due to low demand and high frequency.
		13.11.11	23.58	14.11.11	05.58	
		19.11.11	01.16	19.11.11	13.44	Machine stopped as generation available on spot RLNG
		20.11.11	07.15	20.11.11	09.33	Machine tripped on high TAD
		20.11.11	10.15	20.11.11	15.55	

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	29.10.11	22.45	machine taken under shut down for turbine rotor replacement
		30.10.11	01.50	31.10.11	11.38	Machine stopped as generation available in open cycle mode
		01.11.11	07.20	01.11.11	17.50	Machine is stopped due to low demand and high freq
		02.11.11	01.11	08.11.11	12.00	
		08.11.11	12.00	11.11.11	12.40	Machine not taken on load due problem in diesel Engine
		11.11.11	18.53	26.11.11	13.06	Machine stopped due to high vibration at BB4 & BB5 i.e 9 mm/se for further inspection by BGGTS
		29.11.11	14.25	29.11.11	21.14	Machine tripped by tripping 11 KV breaker manually as reverse power operated fail alarm appeared on protection pannel.

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 .
		01.10.11	17.30	01.10.11	22.02	Tripped with STG#3 Generater breaker trip battery voltage ground alarm
		20.10.11	20.16	21.10.11	15.10	Tripped on communication link failed with any of IO pack & loss of flame
		31.10.11	10.32	03.11.11	09.20	Stopped due to low demand and high frequency

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	14.10.11	05.10	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
		07.11.11	22.17	08.11.11	01.28	Tripped due to tripping of 2 MVA Tx-I
		08.11.11	06.48	08.11.11	08.18	STG#1 tripped due to coupling breaker of 2 MVR Tx-1&II and DG set tripped and no relay/alarm appearing on breaker of Tx.
		20.11.11	04.48	20.11.11	12.05	Machine tripped with following relay operated 27G, 40G ,86GA II, 27GX, 30GTA/30GTB,63 GT-1,multipliers,aux relay in Class A Group-I and Class B -86 GB, AVR VTI fuse and AVR VT-2 .
		25.11.11	19.02	25.11.11	22.15	Stopped to attend hot spot on Y-Phase line isolater.
		26.11.11	18.41	28.11.11	12.44	Machine stopped as generation available on spot RLNG
		28.11.11	12.58	29.11.11	14.55	Machine stopped due to high vibration on Turbine FJB & RJB.
		30.11.11	10.15	30.11.11	13.29	Machine tripped manually due to tripping of GT# 2

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG 2	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 & high frequency
		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.
		11.10.11	14.30	11.10.11	16.50	Machine tripped from DDC for checking the hunting in parameters.
		19.10.11	03.02	19.10.11	07.08	Machine tripped due to class B relay operated.
		20.10.11	12.50	20.10.11	14.02	Tripped due to jerk in control room.
		21.10.11	11.50	21.10.11	13.05	Machine stopped due to choking of CEP Stainer as another CEP was under preventive maintenance
		27.10.11	15.15	31.10.11	10.20	Machine stopped due to low demand & high frequency

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG 3	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 & high frequency
		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
		01.10.11	17.30	02.10.11	01.45	Tripped with GT#6 Generater breaker trip battery voltage ground alarm.
		13.10.11	05.10	13.10.11	08.33	Machine tripped as all the parameters disapperaed.
		13.10.11	14.42	13.10.11	14.55	Machine tripped on low vaccum as CEP-3A tripped on Hot well very low alarm. It is found that Condensate water drained from the drain of CPH-5. This drain valve is being cut by the O/h team.
		20.10.11	20.16	21.10.11	17.25	Tripped due to tripping of GT#6.
		31.10.11	10.30	03.11.11	12.35	Machine Stopped due to low demand & high frequency

(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
		02.11.11	00.00	02.11.11	05.58	Inspection of boiler
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
		19.11.11	09.39	19.11.11	11.16	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
		03.10.11	21.06	03.10.11	22.26	Flame failure in furnance
		04.10.11	18.16	05.10.11	07.53	Boiler tube leakage
		05.10.11	19.46	15.10.11	20.30	Furnance vaccume failure
		08.10.11	08.27	08.10.11	09.17	Flame failure
		22.10.11	09.14	22.10.11	10.21	Furnance vaccume low
		30.10.11	00.05	30.10.11	01.17	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
		10.10.11	11.20	10.10.11	13.56	Flame failure
		17.10.11	12.32	24.10.11	21.20	Water shortage
		24.10.11	21.35	24.10.11	22.00	Flame failure
		13.11.11	17.35	13.11.11	19.19	Grid disturbance
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
		02.10.11	21.56	02.10.11	23.10	Flame failure
		06.10.11	00.58	06.10.11	03.10	Flame failure
		11.10.11	20.16	11.10.11	21.07	Furnance fire out
		13.10.11	07.07	14.10.11	04.42	Boiler tube leakage
		15.10.11	01.12	25.10.11	18.27	Boiler tube leakage
		25.10.11	05.12	27.10.11	02.18	Water shortage
		20.11.11	14.11	21.11.11	07.23	Boiler tube leakage
		25.11.11	05.33	26.11.11	09.50	Economizer tube leakage

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
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
		11.10.11	07.10	11.10.11	08.55	Flame failure
		11.10.11	20.16	11.10.11	12.30	Flame failure
		27.10.11	13.05	30.11.11	23.59	Annual Maintenance
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
		19.10.11	11.16	29.10.11	16.45	Water shortage
		26.11.11	00.22	27.11.11	02.27	Boiler tube leakage

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**

C) Allocation of power to Delhi from Unallocated quota of Central Sector Generating Stations to Delhi w.e.f. 07.10.2011

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	0	0	0	0	0
Grand Total	**22386**	**1957**	**3162**	**2779**	**0**	**0**	**2779**

D) Allocation of power to Delhi from Unallocated quota of Central Sector Generating Stations to Delhi w.e.f. 07.10.2011

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	164
Rihand	1000	150	100	87	20	17	104
Rihand Stage -II	1000	150	126	109	20	17	126
ANTA GPS	419	63	44	41	8	8	49
Auriya GPS	663.36	99	72	67	9	8	75
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**	**137**	**121**	**2022**
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	5	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	9	7	56
TOTAL	**1320**	**194**	**103**	**89**	**17**	**15**	**104**
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**	**211**	**189**	**2736**
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	0	0	5	4	4
Grand Total	**22486**	**1957**	**3172**	**2788**	**216**	**193**	**2982**

E) Allocation of power to Delhi from Unallocated quota of Central Sector Generating Stations to Delhi w.e.f. 04.11.2011

Time block 00.00hrs. 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
Koteshwar HEP	200	0	20	19	0	0	19
TOTAL	**1200**	**99**	**123**	**108**	**0**	**0**	**108**
Total	**15876**	**1766**	**2892**	**2556**	**0**	**0**	**2556**
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	0	0	0	0	0
Grand Total	**22586**	**1957**	**3182**	**2798**	**0**	**0**	**2798**

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 NOVEMBER 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	18:48:47	103	135	300	369	23	930	2132	2657	525	3062	2	3064
2	18:31:00	101	155	246	358	27	887	2287	2526	239	3174	0	3174
3	18:17:33	105	191	298	369	22	985	2253	2362	109	3238	0	3238
4	18:16:43	101	193	303	388	21	1006	2288	2428	140	3294	0	3294
5	19:03:00	102	192	302	346	23	965	2228	2051	-177	3193	1	3194
6	18:29:54	106	192	303	316	26	943	1952	2054	102	2895	0	2895
7	18:31:53	102	190	300	386	25	1003	1961	2375	414	2964	0	2964
8	18:33:06	106	155	300	405	23	989	2156	2444	288	3145	5	3150
9	18:48:11	39	151	299	402	26	917	2328	2237	-91	3245	0	3245
10	18:46:01	44	152	298	404	22	920	2339	2219	-120	3259	0	3259
11	18:32:46	98	180	298	423	21	1020	2171	2231	60	3191	0	3191
12	18:28:52	97	152	299	404	23	975	2188	2170	-18	3163	0	3163
13	18:31:02	97	180	301	315	21	914	1915	2410	495	2829	1	2830
14	18:22:01	100	197	302	425	21	1045	2066	2227	161	3111	0	3111
15	18:19:05	103	190	301	436	20	1050	2087	2072	-15	3137	0	3137
16	18:28:30	57	190	300	437	22	1006	2310	2186	-124	3316	0	3316
17	18:17:00	49	190	302	440	22	1003	2160	2207	47	3163	0	3163
18	18:04:46	43	195	246	421	22	927	2203	2006	-197	3130	49	3179
19	18:03:33	46	197	302	403	22	970	2075	2096	21	3045	0	3045
20	18:20:15	46	193	303	351	22	915	1913	2377	464	2828	0	2828
21	18:40:00	47	197	302	402	22	970	2108	2060	-48	3078	2	3080
22	18:02:38	44	191	298	402	22	957	2129	1974	-155	3086	0	3086
23	18:23:34	47	143	304	420	26	940	2168	2185	17	3108	0	3108
24	18:20:11	47	154	303	434	23	961	2240	2179	-61	3201	14	3215
25	18:20:11	52	155	306	342	25	880	2286	2388	102	3166	6	3172
26	18:48:34	60	174	304	225	25	788	2168	2236	68	2956	1	2957
27	18:36:44	97	158	304	404	25	988	1948	2179	231	2936	2	2938
28	18:21:04	102	163	296	426	23	1010	2000	2135	135	3010	80	3090
29	18:23:19	102	158	293	433	25	1011	2069	2081	12	3080	0	3080
30	18:21:25	97	231	305	436	28	1097	1936	1925	-11	3033	31	3064

7 POWER AVAILABILITY- DEMAND POSITION AT THE TIME OF MAXIMUM UNRESTRICTED DEMAND DURING NOVEMBER 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	18:48:47	103	135	300	369	23	930	2132	2657	525	3062	2	3064
2	18:31:00	101	155	246	358	27	887	2287	2526	239	3174	0	3174
3	18:17:33	105	191	298	369	22	985	2253	2362	109	3238	0	3238
4	18:16:43	101	193	303	388	21	1006	2288	2428	140	3294	0	3294
5	19:03:00	102	192	302	346	23	965	2228	2051	-177	3193	1	3194
6	18:29:54	106	192	303	316	26	943	1952	2054	102	2895	0	2895
7	18:31:53	102	190	300	386	25	1003	1961	2375	414	2964	0	2964
8	18:33:06	106	155	300	405	23	989	2156	2444	288	3145	5	3150
9	18:48:11	39	151	299	402	26	917	2328	2237	-91	3245	0	3245
10	18:46:01	44	152	298	404	22	920	2339	2219	-120	3259	0	3259
11	18:32:46	98	180	298	423	21	1020	2171	2231	60	3191	0	3191
12	18:28:52	97	152	299	404	23	975	2188	2170	-18	3163	0	3163
13	18:31:02	97	180	301	315	21	914	1915	2410	495	2829	1	2830
14	18:22:01	100	197	302	425	21	1045	2066	2227	161	3111	0	3111
15	18:19:05	103	190	301	436	20	1050	2087	2072	-15	3137	0	3137
16	18:28:30	57	190	300	437	22	1006	2310	2186	-124	3316	0	3316
17	18:17:00	49	190	302	440	22	1003	2160	2207	47	3163	0	3163
18	18:04:46	43	195	246	421	22	927	2203	2006	-197	3130	49	3179
19	18:03:33	46	197	302	403	22	970	2075	2096	21	3045	0	3045
20	18:20:15	46	193	303	351	22	915	1913	2377	464	2828	0	2828
21	18:40:00	47	197	302	402	22	970	2108	2060	-48	3078	2	3080
22	18:02:38	44	191	298	402	22	957	2129	1974	-155	3086	0	3086
23	18:23:34	47	143	304	420	26	940	2168	2185	17	3108	0	3108
24	18:20:11	47	154	303	434	23	961	2240	2179	-61	3201	14	3215
25	18:20:11	52	155	306	342	25	880	2286	2388	102	3166	6	3172
26	18:48:34	60	174	304	225	25	788	2168	2236	68	2956	1	2957
27	18:36:44	97	158	304	404	25	988	1948	2179	231	2936	2	2938
28	18:21:04	102	163	296	426	23	1010	2000	2135	135	3010	80	3090
29	18:23:19	102	158	293	433	25	1011	2069	2081	12	3080	0	3080
30	18:21:25	97	231	305	436	28	1097	1936	1925	-11	3033	31	3064

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

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

A (i) RPH	60.744
JHAJJAR SHARE	0.000
NET RPH	60.744
(ii) GT+STG	124.246
(iii) PRAGATI	220.537
(iv) RITHALA	17.001
TOTAL	422.528
B) AVAILABILITY FROM BTPS	291.532
C) AUXILIARY CONSUMPTION OF GENERATING STNs. EXCLUDING BTPS	17.265
D) NET GENERATION AVAILABLE WITHIN DELHI(A+B-C)	**696.795**

B) SOURCE WISE SCHEDULED DRAWL FROM THE NORTHERN GRID

NAME OF THE STATION	AVAILABILITY AT POWER PLANT	AVAILABILITY AT DELHI PERIPHERY	ALLOCATION MADE BY NRLDC AT POWER PLANT	ALLOCATION MADE BY NRLDC AT DELHI PERIPHERY
B/SUIL	2.147	2.059	2.147	2.059
SALAL	13.191	12.646	13.191	12.646
TANKAPUR	4.422	4.240	4.422	4.240
CHAMERA	6.594	6.319	6.594	6.319
CHAMERA -II	7.322	7.020	7.322	7.020
DHAULIGANGA	6.602	6.330	6.602	6.330
SEWA -2	0.970	0.931	0.970	0.931
URI	11.957	11.467	11.957	11.467
KOTESHWAR	4.278	4.098	4.278	4.098
ANTA (GAS)	17.365	16.652	16.632	15.950
ANTA (RLNG)	13.166	12.614	2.428	2.318
ANTA (LIQUID)	0.000	0.000	0.000	0.000
DADRI (GAS)	35.417	33.950	33.671	32.280
DADRI (RLNG)	19.883	19.038	3.781	3.609
DADRI (LIQUID)	0.000	0.000	0.000	0.000
AURAIYA (GAS)	25.356	24.303	23.773	22.787
AURAIYA (RLNG)	21.313	20.438	3.474	3.318
AURAIYA (LIQUID)	2.774	2.657	0.000	0.000
SINGRAULI	102.435	98.193	102.435	98.193
RIHAND -I	56.624	54.279	56.624	54.279
RIHAND -II	87.667	84.055	87.667	84.055
UNCHAHAR-I	15.628	14.981	15.402	14.765
UNCHAHAR-II	30.921	29.642	30.615	29.348
UNCHAHAR-III	18.985	18.200	18.790	18.013
DADRI (TH)	428.161	410.586	404.733	388.136
DADRI (TH) STAGE-II	496.633	476.103	478.469	458.713
NAPP	15.563	14.919	15.563	14.919
RAPP 'B'	0.000	0.000	0.000	0.000
RAPP 'C'	38.735	37.133	38.735	37.133
NATHPA JHAKRI	30.349	29.097	28.827	27.648
DULASTI	16.026	15.364	16.026	15.364
TEHRI	14.237	13.638	14.237	13.638
JHAJJAR	0.176	0.168	0.000	0.000
KHELGAON	30.581	29.315	26.884	25.770
KHELGAON-II	67.396	64.641	64.884	62.240
FARAKA	12.022	11.526	7.237	6.936
TALA	5.983	5.738	5.983	5.738
TALCHER	0.000	0.000	0.000	0.000
DVC	58.486	58.015	58.015	55.618
CHATTISHGARH	0.000	0.000	0.000	0.000
ANDHRA	0.000	0.000	0.000	0.000

NAME OF THE STATION	AVAILABILITY AT POWER PLANT	AVAILABILITY AT DELHI PERIPHERY	ALLOCATION MADE BY NRLDC AT POWER PLANT	ALLOCATION MADE BY NRLDC AT DELHI PERIPHERY
DVC TATA STEEL (NDPL)	69.294	68.685	68.685	65.992
ORISSA	0.000	0.000	0.000	0.000
KERALA	0.000	0.000	0.000	0.000
HIMACHAL PRADESH	0.000	0.000	0.000	0.000
WEST BENGAL	0.000	0.000	0.000	0.000
MADHYA PRADESH(WR)	0.000	0.000	0.000	0.000
MADHYA PRADESH(WR-ER)	0.000	0.000	0.000	0.000
NAGALAND	0.000	0.000	0.000	0.000
UTTRANCHAL	0.000	0.000	0.000	0.000
GOA	0.000	0.000	0.000	0.000
MAHARASHTRA	0.029	0.028	0.028	0.027
MEGHALAYA	0.000	0.000	0.000	0.000
RAJASTHAN	0.000	0.000	0.000	0.000
TO ANDHRA	-38.657	-39.676	-39.676	-41.384
TO MADHYA PRADESH	-159.934	-161.918	-161.918	-168.922
TO JAMMU & KASHMIR	-8.614	-8.788	-8.788	-9.182
TO MAHARASHTRA	-5.619	-5.684	-5.684	-5.902
TO UTTAR PRADESH	-33.892	-34.654	-34.654	-36.148
TO HIMACHAL PRADESH	-27.332	-27.861	-27.861	-29.063
TO KERALA(ER)	0.000	0.000	0.000	0.000
TO UTTRANCHAL	-45.728	-46.614	-46.614	-48.628
POWER EXCHANGE(IEX)	2.796	2.660	2.796	2.660
TO POWER EXCHANGE (IEX)	-88.881	-92.606	-88.881	-92.606
POWRER EXCHANGE(PX)	0.000	0.000	0.000	0.000
TO POWER EXCHANGE (PX)	-3.510	-3.660	-3.510	-3.660
TOTAL	**1379.316**	**1300.266**	**1266.292**	**1179.066**

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	1372.327	1315.689	1278.494	1225.764
NTPC - ER	109.999	105.481	99.005	94.947
NHPC	69.231	66.376	69.231	66.376
NPC	54.298	52.052	54.298	52.052
KOTESHWAR	4.278	4.098	4.278	4.098
NATHPA JHAKRI	30.349	29.097	28.827	27.648
TEHRI	14.237	13.638	14.237	13.638
TALA	5.983	5.738	5.983	5.738
JHAJJAR	0.176	0.168	0.000	0.000
TALCHER	0.000	0.000	0.000	0.000
DVC	58.486	58.015	58.015	55.618
CHATTISHGARH	0.000	0.000	0.000	0.000
ANDHRA	0.000	0.000	0.000	0.000
DVC TATA STEEL (NDPL)	69.294	68.685	68.685	65.992
ORISSA	0.000	0.000	0.000	0.000
KERALA	0.000	0.000	0.000	0.000
HIMACHAL PRADESH	0.000	0.000	0.000	0.000
WEST BENGAL	0.000	0.000	0.000	0.000
MADHYA PRADESH(WR)	0.000	0.000	0.000	0.000
MADHYA PRADESH(WR-ER)	0.000	0.000	0.000	0.000
NAGALAND	0.000	0.000	0.000	0.000
UTTRANCHAL	0.000	0.000	0.000	0.000
GOA	0.000	0.000	0.000	0.000
MAHARASHTRA	0.029	0.028	0.028	0.027
MEGHALAYA	0.000	0.000	0.000	0.000
RAJASTHAN	0.000	0.000	0.000	0.000
POWER EXCHANGE(IEX)	2.796	2.660	2.796	2.660
POWER EXCHANGE(PX)	0.000	0.000	0.000	0.000
TOTAL	**1791.482**	**1721.727**	**1683.878**	**1614.559**

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 MADHYA PRADESH	-159.934	-161.918	-161.918	-168.922
TO ANDHRA	-38.657	-39.676	-39.676	-41.384
TO JAMMU & KASHMIR	-8.614	-8.788	-8.788	-9.182
TO MAHARASHTRA	-5.619	-5.684	-5.684	-5.902
TO UTTAR PRADESH	-33.892	-34.654	-34.654	-36.148
TO HIMACHAL PRADESH	-27.332	-27.861	-27.861	-29.063
TO KERALA(ER)	0.000	0.000	0.000	0.000
TO UTTRANCHAL	-45.728	-46.614	-46.614	-48.628
TO POWER EXCHANGE (IEX)	-88.881	-92.606	-88.881	-92.606
TO POWER EXCHANGE (PX)	-3.510	-3.660	-3.510	-3.660
TOTAL	**-412.166**	**-421.461**	**-417.587**	**-435.493**
TOTAL SCHEDULED DRAWAL FROM THE GRID	**1379.316**	**1300.266**	**1266.292**	**1179.066**
TOTAL CONSUMPTION INCLUDING AUX. OF GENERATING STNs. EXCLUDING BTPS				1665.595
NET CONSUMPTION				1648.330
AVAILABILITY WITHIN DELHI				696.795
ACTUAL DRAWAL FROM THE GRID				951.535
OVER DRAWAL(+)/UNDER DRAWAL(-) FROM THE GRID ON THE BASIS OF SCHEDULED ALLOCATION MADE BY NRLDC TO DELHI AT PERIPHERY				-227.531
LOAD SHEDDING				**4.645**
UNRESTRICTED DEMAND (GROSS)				**1670.240**
UNRESTRICTED DEMAND (NET)				**1652.975**
MAX. NET CONSUMPTION				58.271Mus. ON 04.11.2011
MAX. LOAD SHEDDING				387W ON 26.11.2011 AT 10.00HRS.
PEAK LOAD	Peak Demand during the month			SHEDDING AT PEAK TIME
DAY PEAK	2952MW AT 10.30.00HRS ON 11.11.2011			NIL
EVENING PEAK	3294MW AT 18.16.43HRS ON 04.11.2011			NIL
P.L.F. OF GENCO AND PRAGATI STNs.	RPH GT PRAGATI RITHALA			62.49% 63.91% 92.82% 31.91%

9 SHEDDING DETAILS DURING THE MONTH OF NOVEMBER 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
01-Nov-11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
02- Nov -11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
03- Nov-11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.001	0.000
04- Nov-11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
05- Nov-11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
06- Nov-11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
07- Nov-11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.140	0.000
08- Nov-11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
09- Nov-11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.002	0.000
10- Nov-11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
11- Nov-11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
12- Nov-11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.020	0.000	0.000
13- Nov-11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
14- Nov-11	1	0.001	0.000	0.000	0.000	**0.001**	0.000	0.000	0.043	0.000
15- Nov-11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
16- Nov-11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
17- Nov-11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
18- Nov-11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.032	0.083	0.000
19- Nov-11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.007	0.000
20- Nov-11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
21- Nov-11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
22- Nov-11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.031	0.132	0.000
23- Nov-11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.162	0.000
24- Nov-11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.178	0.000
25- Nov-11	0	0.000	0.000	0.000	0.000	**0.000**	0.017	0.000	0.416	0.000
26- Nov-11	0	0.000	0.000	0.000	0.000	**0.000**	0.334	0.317	0.357	0.000
27- Nov-11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.082	0.000
28- Nov-11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.016	0.000
29 Nov--11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
30-Nov-11	0	0.000	0.000	0.000	0.000	**0.000**	0.092	0.185	0.532	0.000
Total	**1**	**0.001**	**0.000**	**0.000**	**0.000**	**0.001**	**0.443**	**0.585**	**2.151**	**0.000**

ALL FIGURES IN MUs

Date	Shedding due to Transmission/Grid Constraints in Central Sector Stations / TTC / ATC VOILATION				TOTAL	TOTAL SHEDDING DUE TO GRID RESTRICTIONS	Due to T&D Constraints				
							DTL				
	BSES		NDPL	NDMC			BSES		NDPL	NDMC	MES
	BYPL	BRPL					BYPL	BRPL			
1	12	13	14	15	16=8to15	17=16+7	18	19	20	21	22
01-Nov-11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
02- Nov -11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
03- Nov-11	0.000	0.000	0.000	0.000	0.001	0.001	0.000	0.000	0.000	0.000	0.000
04- Nov-11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	0.000
05- Nov-11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.000	0.000
06- Nov-11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
07- Nov-11	0.000	0.000	0.000	0.000	0.140	0.140	0.000	0.000	0.000	0.000	0.000
08- Nov-11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.045	0.000	0.000	0.000
09- Nov-11	0.000	0.000	0.000	0.000	0.002	0.002	0.000	0.000	0.000	0.000	0.000
10- Nov-11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11- Nov-11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12- Nov-11	0.000	0.000	0.000	0.000	0.020	0.020	0.000	0.000	0.019	0.000	0.000
13- Nov-11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14- Nov-11	0.000	0.000	0.000	0.000	0.043	0.044	0.000	0.003	0.012	0.000	0.000
15- Nov-11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
16- Nov-11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17- Nov-11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
18- Nov-11	0.000	0.000	0.000	0.000	0.115	0.115	0.000	0.000	0.000	0.000	0.000
19- Nov-11	0.000	0.000	0.000	0.000	0.007	0.007	0.000	0.002	0.026	0.000	0.000
20- Nov-11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
21- Nov-11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22- Nov-11	0.000	0.000	0.000	0.000	0.163	0.163	0.000	0.000	0.000	0.000	0.000
23- Nov-11	0.000	0.000	0.000	0.000	0.162	0.162	0.000	0.024	0.000	0.000	0.000
24- Nov-11	0.000	0.000	0.000	0.000	0.178	0.178	0.000	0.000	0.000	0.000	0.000
25- Nov-11	0.000	0.000	0.000	0.000	0.433	0.433	0.000	0.000	0.000	0.000	0.000
26- Nov-11	0.000	0.000	0.000	0.000	1.008	1.008	0.002	0.000	0.003	0.000	0.000
27- Nov-11	0.000	0.000	0.000	0.000	0.082	0.082	0.000	0.000	0.000	0.000	0.000
28- Nov-11	0.000	0.000	0.000	0.000	0.016	0.016	0.000	0.000	0.116	0.000	0.000
29 Nov--11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.015	0.000	0.000	0.000
30-Nov-11	0.000	0.000	0.000	0.000	0.809	0.809	0.000	0.000	0.000	0.000	0.000
Total	0.000	0.000	0.000	0.000	3.179	3.180	0.002	0.089	0.179	0.000	0.000

ALL FIGURES IN MUs

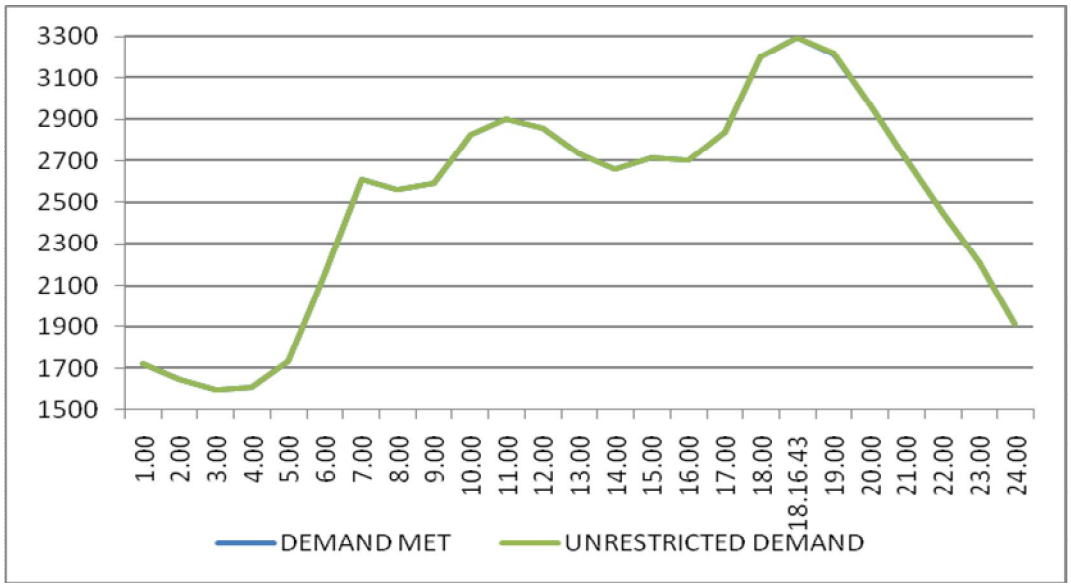
DATE	DUE TO T&D CONTRAINTS				OTHER AGENCIES LIKE GENCO, BBMB, BTPS ETC.	THEFT PRONE SHEDDING			TOTAL SHEDDING DUE TO T&D CONSTS. & THEFT PRONE	GRAND TOTAL
	DISCOMS									
	BSES		NDPL	NDMC		BSES		NDPL		
	BYPL	BRPL				BYPL	BRPL			
1	23	24	25		26	27	28	29	30=18 to29	31=30+17
01-Nov-11	0.020	0.000	0.000	0.000	0.000	0.000	0.000	0.007	**0.027**	**0.027**
02- Nov -11	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.004	**0.005**	**0.005**
03- Nov-11	0.000	0.035	0.029	0.000	0.000	0.000	0.000	0.006	**0.070**	**0.071**
04- Nov-11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.007	**0.008**	**0.008**
05- Nov-11	0.025	0.000	0.000	0.000	0.000	0.000	0.000	0.003	**0.030**	**0.030**
06- Nov-11	0.000	0.000	0.012	0.000	0.000	0.000	0.000	0.004	**0.016**	**0.016**
07- Nov-11	0.000	0.020	0.001	0.000	0.000	0.000	0.000	0.001	**0.022**	**0.162**
08- Nov-11	0.011	0.029	0.000	0.000	0.000	0.000	0.000	0.006	**0.091**	**0.091**
09- Nov-11	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.004	**0.005**	**0.007**
10- Nov-11	0.000	0.005	0.001	0.000	0.000	0.000	0.000	0.003	**0.009**	**0.009**
11- Nov-11	0.001	0.036	0.000	0.000	0.018	0.000	0.000	0.005	**0.060**	**0.060**
12- Nov-11	0.003	0.008	0.071	0.000	0.000	0.000	0.000	0.002	**0.103**	**0.123**
13- Nov-11	0.000	0.000	0.000	0.000	0.039	0.000	0.000	0.006	**0.045**	**0.045**
14- Nov-11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.017	**0.032**	**0.076**
15- Nov-11	0.002	0.004	0.001	0.000	0.000	0.000	0.000	0.033	**0.040**	**0.040**
16- Nov-11	0.000	0.000	0.031	0.000	0.000	0.000	0.000	0.034	**0.065**	**0.065**
17- Nov-11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.039	**0.039**	**0.039**
18- Nov-11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.033	**0.033**	**0.148**
19- Nov-11	0.000	0.000	0.002	0.000	0.000	0.000	0.000	0.040	**0.070**	**0.077**
20- Nov-11	0.040	0.000	0.000	0.000	0.000	0.000	0.000	0.027	**0.067**	**0.067**
21- Nov-11	0.027	0.000	0.010	0.000	0.000	0.000	0.000	0.031	**0.068**	**0.068**
22- Nov-11	0.000	0.015	0.000	0.000	0.000	0.000	0.000	0.033	**0.048**	**0.211**
23- Nov-11	0.001	0.030	0.000	0.000	0.000	0.000	0.000	0.035	**0.090**	**0.252**
24- Nov-11	0.024	0.000	0.001	0.000	0.000	0.000	0.000	0.021	**0.046**	**0.224**
25- Nov-11	0.020	0.000	0.004	0.000	0.000	0.000	0.000	0.023	**0.047**	**0.480**
26- Nov-11	0.004	0.000	0.000	0.000	0.000	0.000	0.000	0.019	**0.028**	**1.036**
27- Nov-11	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.034	**0.035**	**0.117**
28- Nov-11	0.000	0.002	0.006	0.000	0.000	0.000	0.000	0.040	**0.164**	**0.180**
29 Nov--11	0.000	0.006	0.005	0.000	0.000	0.000	0.000	0.033	**0.059**	**0.059**
30-Nov-11	0.006	0.000	0.000	0.000	0.000	0.000	0.000	0.037	**0.043**	**0.852**
Total	**0.184**	**0.190**	**0.177**	**0.000**	**0.057**	**0.000**	**0.000**	**0.587**	**1.465**	**4.645**

DATE	(NET CONS.)	MAXI. DEMAND MET DURING THE DAY	TIME OF OCCUR-RENCE OF MAX DEMAND	SHEDDING AT THIS TIME	UN-REST-RICTED DEMAND	MAXIMUM UN-REST-RICTED DEMAND DURING THE DAY	TIME OF MAX. UN-REST. DEMAND	DEMAND AT THAT TIME	SHEDDING AT THAT TIME
	In Mus.	IN MW	IN HRS.	IN MW	IN MW	IN MW	HRS.	IN MW	IN MW
1	32	33	34	35	36=33+35	37=39+40	38	39	40
01-Nov-11	55.633	3062	18:48:47	2	3064	3064	18:48:47	3062	2
02- Nov -11	53.435	3174	18:31:00	0	3174	3174	18:31:00	3174	0
03- Nov-11	56.585	3238	18:17:33	0	3238	3238	18:17:33	3238	0
04- Nov-11	58.271	3294	18:16:43	0	3294	3294	18:16:43	3294	0
05- Nov-11	56.184	3193	19:03:00	1	3194	3194	19:03:00	3193	1
06- Nov-11	53.247	2895	18:29:54	0	2895	2895	18:29:54	2895	0
07- Nov-11	53.629	2964	18:31:53	0	2964	2964	18:31:53	2964	0
08- Nov-11	54.258	3145	18:33:06	5	3150	3150	18:33:06	3145	5
09- Nov-11	55.010	3245	18:48:11	0	3245	3245	18:48:11	3245	0
10- Nov-11	54.371	3259	18:46:01	0	3259	3259	18:46:01	3259	0
11- Nov-11	56.635	3191	18:32:46	0	3191	3191	18:32:46	3191	0
12- Nov-11	54.404	3163	18:28:52	0	3163	3163	18:28:52	3163	0
13- Nov-11	53.904	2829	18:31:02	1	2830	2830	18:31:02	2829	1
14- Nov-11	55.442	3111	18:22:01	0	3111	3111	18:22:01	3111	0
15- Nov-11	56.153	3137	18:19:05	0	3137	3137	18:19:05	3137	0
16- Nov-11	56.427	3316	18:28:30	0	3316	3316	18:28:30	3316	0
17- Nov-11	57.060	3163	18:17:00	0	3163	3163	18:17:00	3163	0
18- Nov-11	55.988	3130	18:04:46	49	3179	3179	18:04:46	3130	49
19- Nov-11	54.241	3045	18:03:33	0	3045	3045	18:03:33	3045	0
20- Nov-11	52.055	2828	18:20:15	0	2828	2828	18:20:15	2828	0
21- Nov-11	54.839	3078	18:40:00	2	3080	3080	18:40:00	3078	2
22- Nov-11	55.806	3086	18:02:38	0	3086	3086	18:02:38	3086	0
23- Nov-11	54.466	3108	18:23:34	0	3108	3108	18:23:34	3108	0
24- Nov-11	55.344	3201	18:20:11	14	3215	3215	18:20:11	3201	14
25- Nov-11	55.918	3166	18:20:11	6	3172	3172	18:20:11	3166	6
26- Nov-11	53.484	2956	18:48:34	1	2957	2957	18:48:34	2956	1
27- Nov-11	52.349	2936	18:36:44	2	2938	2938	18:36:44	2936	2
28- Nov-11	54.103	3010	18:21:04	80	3090	3090	18:21:04	3010	80
29 Nov--11	54.911	3080	18:23:19	0	3080	3080	18:23:19	3080	0
30-Nov-11	54.178	3033	18:21:25	31	3064	3064	18:21:25	3033	31
Total	1648.330	3294 04.11.2011	18:16:43	0	3294	3294 04.11.2011	18:16:43	3294	0

10 LOAD PATTERN OF DELHI ON THE DAY OF PEAK DEMAND MET DURING NOVEMBER 2011 ON 04.11.2011- 3294MW at 18.16.43HRS.

All figures in MW

Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	1720	0	1720
2.00	1646	0	1646
3.00	1600	0	1600
4.00	1612	0	1612
5.00	1731	0	1731
6.00	2157	0	2157
7.00	2608	2	2610
8.00	2558	2	2560
9.00	2593	0	2593
10.00	2826	0	2826
11.00	2900	0	2900
12.00	2859	0	2859
13.00	2735	0	2735
14.00	2661	0	2661
15.00	2714	0	2714
16.00	2703	0	2703
17.00	2839	0	2839
18.00	3205	0	3205
18.16.43	3294	0	3294
19.00	3217	2	3219
20.00	2972	2	2974
21.00	2711	0	2711
22.00	2449	0	2449
23.00	2210	0	2210
24.00	1914	0	1914
ENERGY IN MUS	**58.271**	**0.008**	**58.279**



11 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UN-RESTRICTED DEMAND DURING NOVEMBER 2011 ON 4.11.2011- 3294MW AT 18.16.43HRS.

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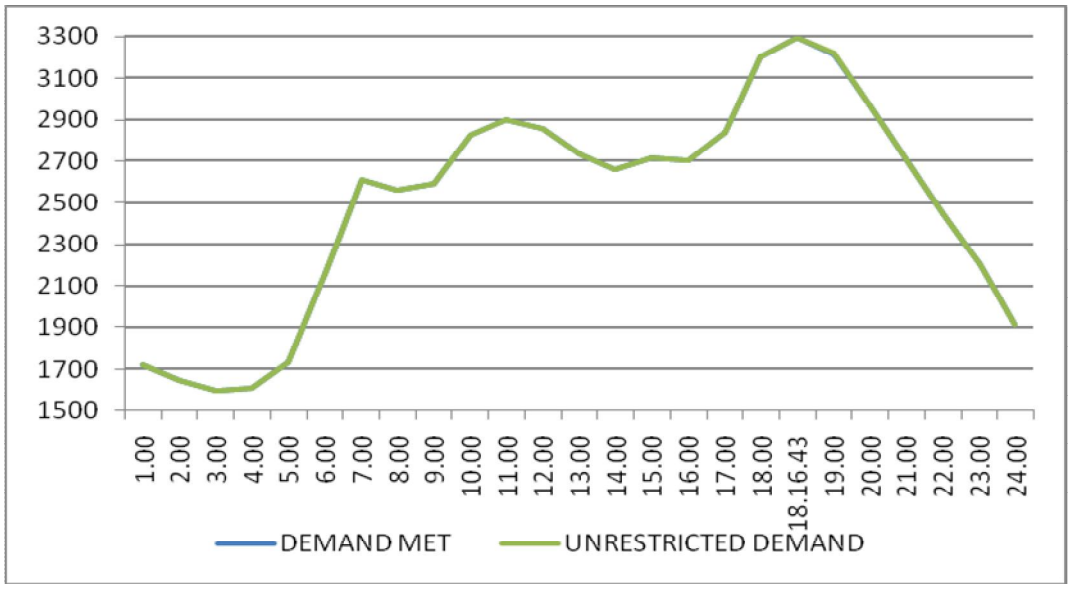
All figures in MW

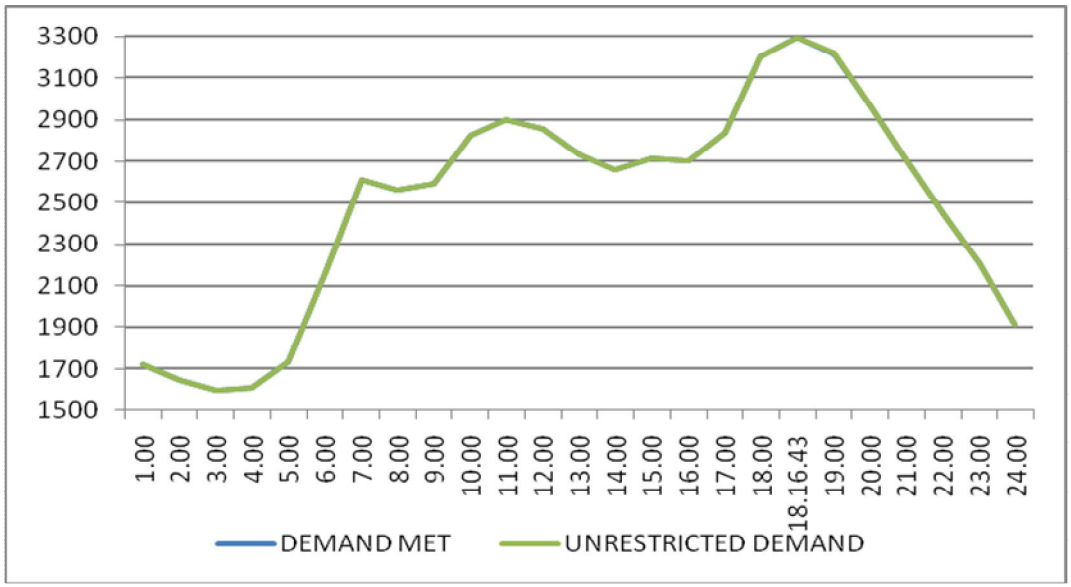
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	1720	0	1720
2.00	1646	0	1646
3.00	1600	0	1600
4.00	1612	0	1612
5.00	1731	0	1731
6.00	2157	0	2157
7.00	2608	2	2610
8.00	2558	2	2560
9.00	2593	0	2593
10.00	2826	0	2826
11.00	2900	0	2900
12.00	2859	0	2859
13.00	2735	0	2735
14.00	2661	0	2661
15.00	2714	0	2714
16.00	2703	0	2703
17.00	2839	0	2839
18.00	3205	0	3205
18.16.43	3294	0	3294
19.00	3217	2	3219
20.00	2972	2	2974
21.00	2711	0	2711
22.00	2449	0	2449
23.00	2210	0	2210
24.00	1914	0	1914
ENERGY IN MUS	**58.271**	**0.008**	**58.279**



12 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM ENERGY CONSUMED DURING NOVEMBER 2011 – 04.11.2011 – 58.271 Mus

All figures in MW

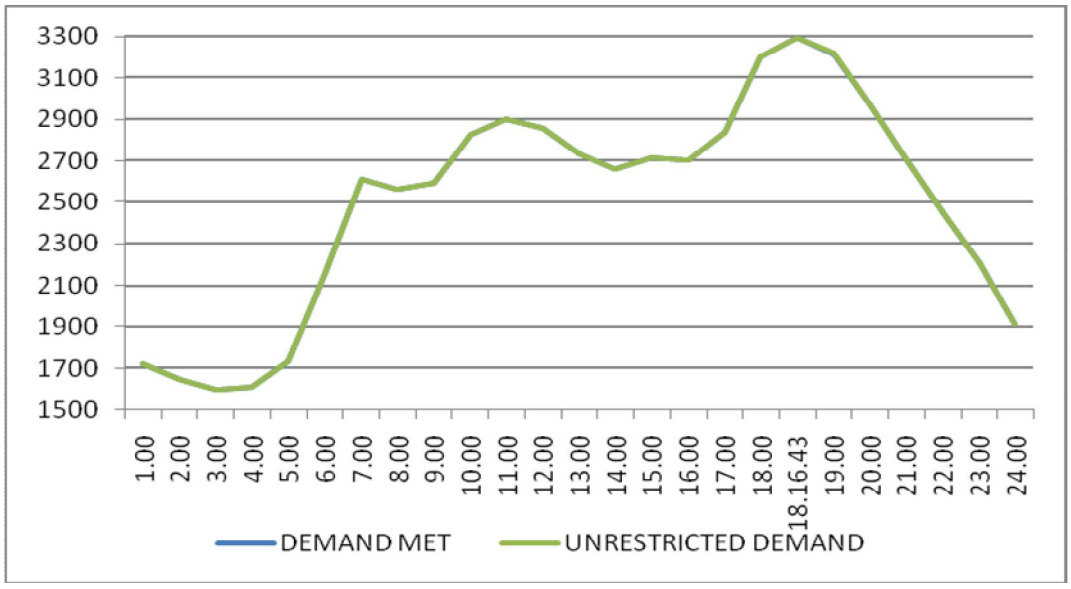
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	1720	0	1720
2.00	1646	0	1646
3.00	1600	0	1600
4.00	1612	0	1612
5.00	1731	0	1731
6.00	2157	0	2157
7.00	2608	2	2610
8.00	2558	2	2560
9.00	2593	0	2593
10.00	2826	0	2826
11.00	2900	0	2900
12.00	2859	0	2859
13.00	2735	0	2735
14.00	2661	0	2661
15.00	2714	0	2714
16.00	2703	0	2703
17.00	2839	0	2839
18.00	3205	0	3205
18.16.43	3294	0	3294
19.00	3217	2	3219
20.00	2972	2	2974
21.00	2711	0	2711
22.00	2449	0	2449
23.00	2210	0	2210
24.00	1914	0	1914
ENERGY IN MUS	**58.271**	**0.008**	**58.279**



13 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UNRESTRICTED ENERGY DEMAND DURING NOVEMBER 2011 – 04.11.2011 – 58.279 Mus

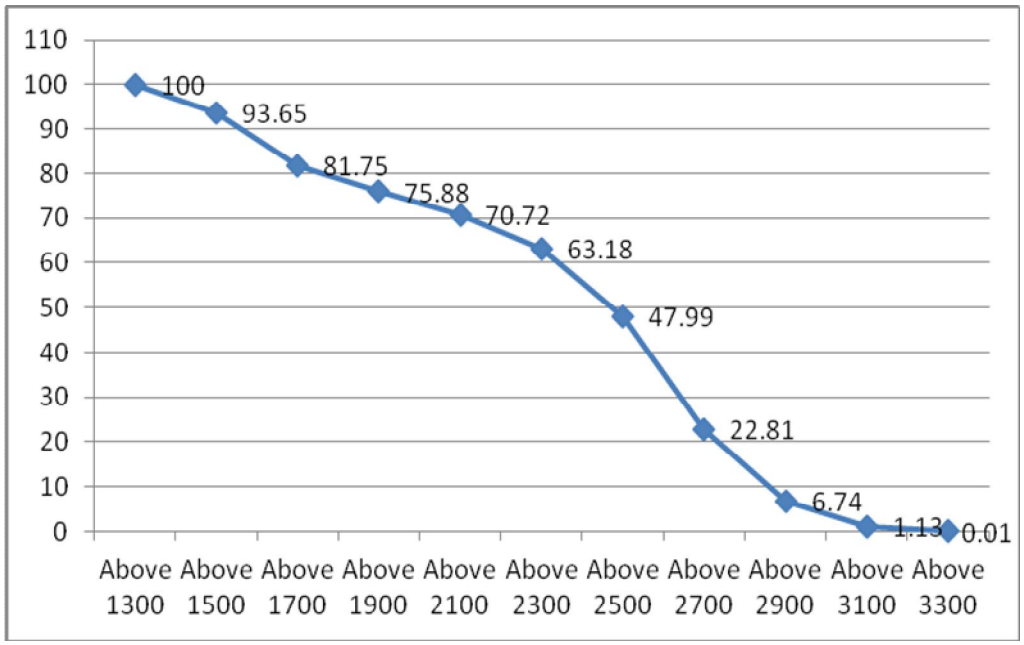
All figures in MW

Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	1720	0	1720
2.00	1646	0	1646
3.00	1600	0	1600
4.00	1612	0	1612
5.00	1731	0	1731
6.00	2157	0	2157
7.00	2608	2	2610
8.00	2558	2	2560
9.00	2593	0	2593
10.00	2826	0	2826
11.00	2900	0	2900
12.00	2859	0	2859
13.00	2735	0	2735
14.00	2661	0	2661
15.00	2714	0	2714
16.00	2703	0	2703
17.00	2839	0	2839
18.00	3205	0	3205
18.16.43	3294	0	3294
19.00	3217	2	3219
20.00	2972	2	2974
21.00	2711	0	2711
22.00	2449	0	2449
23.00	2210	0	2210
24.00	1914	0	1914
ENERGY IN MUS	**58.271**	**0.008**	**58.279**



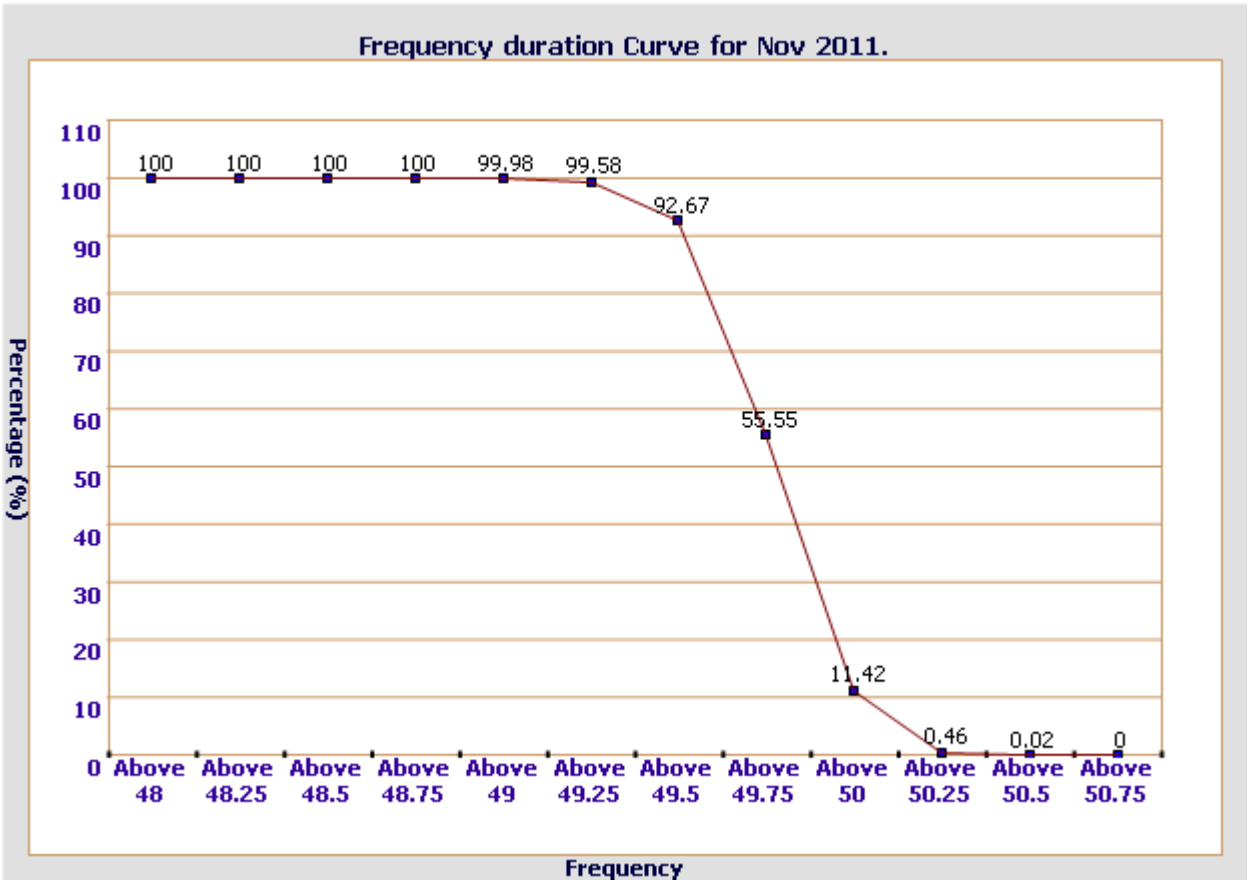
14 LOAD DURATION CURVE FOR NOVEMBER 2011

Load in MW	Percentage of Time
Above 1300	100 %
Above 1500	93.65 %
Above 1700	81.75 %
Above 1900	75.88 %
Above 2100	70.72 %
Above 2300	63.18 %
Above 2500	47.99 %
Above 2700	22.81 %
Above 2900	6.74 %
Above 3100	1.13 %
Above 3300	0.01 %



15 FREQUENCY ANALYSIS FOR THE MONTH OF NOVEMBER 2011

Frequency Range in Hz.	Percentage of time
Above 48.75	100 %
Above 49	99.98 %
Above 49.25	99.58 %
Above 49.5	92.67 %
Above 49.75	55.55 %
Above 50	11.42 %
Above 50.25	0.46 %
Above 50.5	0.02 %
Above 50.75	0 %



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

All figures in kV

Date	NARELA		GAZIPUR	
	Max	Min	Max	Min
01-Nov-11	--	--	--	--
02- Nov -11	--	--	--	--
03- Nov-11	--	--	--	--
04- Nov-11	228.28	216.28	232.02	217.57
05- Nov-11	229.18	217.83	232.02	219.64
06- Nov-11	228.38	218.35	232.66	220.80
07- Nov-11	--	--	--	--
08- Nov-11	--	--	--	--
09- Nov-11	229.31	215.64	234.60	--
10- Nov-11	227.89	215.12	231.50	217.96
11- Nov-11	228.79	215.12	232.40	--
12- Nov-11	229.18	212.80	233.31	216.54
13- Nov-11	228.66	216.28	233.05	220.80
14- Nov-11	228.92	217.18	232.79	218.60
15- Nov-11	--	--	--	--
16- Nov-11	--	--	--	--
17- Nov-11	--	--	--	--
18- Nov-11	229.31	217.06	233.69	--
19- Nov-11	228.92	217.31	233.82	--
20- Nov-11	229.31	216.93	233.69	219.25
21- Nov-11	228.92	217.57	233.18	218.60
22- Nov-11	228.92	216.02	232.53	218.47
23- Nov-11	228.92	215.25	232.79	217.96
24- Nov-11	228.15	216.41	231.76	219.51
25- Nov-11	228.79	215.25	232.40	217.18
26- Nov-11	229.31	215.77	232.40	217.70
27- Nov-11	228.66	217.31	232.15	220.54
28- Nov-11	229.82	217.06	234.60	--
29 Nov--11	228.15	218.35	232.15	219.51
30-Nov-11	230.60	217.18	234.34	219.64

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

All figures in kV

Date	400kV Bamnauli Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01-Nov-11	--	--	--	--	--
02- Nov -11	--	--	--	--	--
03- Nov-11	--	--	--	--	--
04- Nov-11	418.33	03.35.44	395.58	12.14.23	406.17
05- Nov-11	420.21	03.28.45	400.27	10.39.48	408.65
06- Nov-11	419.74	03.08.33	400.74	12.25.05	411.10
07- Nov-11	--	--	--	--	--
08- Nov-11	--	--	--	--	--
09- Nov-11	422.08	03.58.18	396.29	10.55.22	409.00
10- Nov-11	420.44	03.01.28	398.16	10.33.53	408.92
11- Nov-11	420.91	04.01.32	395.82	11.39.17	407.68
12- Nov-11	420.67	03.57.45	391.36	11.17.49	407.44
13- Nov-11	420.21	01.50.07	399.57	12.11.42	409.88
14- Nov-11	420.21	--	400.27	11.09.55	409.19
15- Nov-11	--	--	--	--	--
16- Nov-11	--	--	--	--	--
17- Nov-11	--	--	--	--	--
18- Nov-11	420.91	04.06.04	398.40	10.23.16	407.02
19- Nov-11	420.91	03.22.43	398.40	11.42.09	408.83
20- Nov-11	420.44	04.15.11	397.93	10.34.34	410.36
21- Nov-11	420.21	04.04.01	398.40	11.14.49	408.44
22- Nov-11	418.56	03.08.50	395.82	14.50.55	406.86
23- Nov-11	420.21	--	394.41	16.15	407.01
24- Nov-11	417.16	04.06.05	395.12	09.42.27	407.09
25- Nov-11	419.27	03.25.15	393.46	11.23.25	409.78
26- Nov-11	419.74	04.06.12	393.47	11.09.59	406.05
27- Nov-11	419.27	20.42.52	398.81	10.30.47	410.38
28- Nov-11	424.43	--	399.81	15.38.51	410.06
29 Nov--11	419.50	04.02.12	398.16	15.39.48	408.08
30-Nov-11	423.02	04.05.36	396.29	09.41.06	408.77

Date	400kV Bawana Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01-Nov-11	--	--	--	--	--
02- Nov -11	--	--	--	--	--
03- Nov-11	--	--	--	--	--
04- Nov-11	420.19	03.34.34	399.57	12.14.43	409.75
05- Nov-11	420.21	03.28.45	400.27	10.39.48	408.65
06- Nov-11	422.08	03.08.33	404.26	09.34.45	414.14
07- Nov-11	--	--	--	--	--
08- Nov-11	--	--	--	--	--
09- Nov-11	424.19	03.57.28	399.81	10.55.32	412.02
10- Nov-11	422.55	03.00.58	401.68	10.33.53	412.14
11- Nov-11	423.96	04.01.12	399.57	11.39.57	411.54
12- Nov-11	423.96	03.29.14	395.82	11.17.49	411.36
13- Nov-11	423.72	01.50.27	403.09	12.11.22	413.67
14- Nov-11	423.25	--	404.26	11.10.05	412.96
15- Nov-11	--	--	--	--	--
16- Nov-11	--	--	--	--	--
17- Nov-11	--	--	--	--	--
18- Nov-11	423.96	04.05.44	402.15	10.23.26	411.12
19- Nov-11	424.19	03.23.23	402.85	11.04.06	412.84
20- Nov-11	423.02	04.02.00	401.92	10.33.24	413.98
21- Nov-11	422.79	04.03.31	403.32	11.14.49	412.56
22- Nov-11	422.08	03.08.30	400.27	14.48.45	410.79
23- Nov-11	423.25	--	397.93	10.49.15	410.75
24- Nov-11	420.21	04.06.15	398.63	09.44.27	410.76
25- Nov-11	421.61	03.25.35	397.46	11.23.25	409.78
26- Nov-11	421.85	04.07.22	396.99	11.09.59	409.21
27- Nov-11	421.61	20.43.52	402.62	10.30.57	412.60
28- Nov-11	425.36	--	--	--	412.55
29 Nov--11	421.61	20.58.20	--	--	411.37
30-Nov-11	426.07	04.05.16	401.92	09.37.56	413.14

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	

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		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 NOVEMBER 2011

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
01	01.11.11	17.02	220KV PANIPAT – NARELA CKT-III	01.11.11	19.10	CKT. TRIPPED ON DIST PROT `ABC' PHASE ZONE-I AT NARELA.
02	04.11.11	08.27	220/33KV 100MVA PR. TR.-II AT NARAINA	04.11.11	19.48	TR. TRIPPED ON TRV, 30F, OLTC BUCHLOZ, TRANSFORMER TROUBLE, 86 PROTECTION `B' RELAY. TRANSFORMER AGAIN TRIPPED AT 16.15HRS. ON SAME INDICATIONS. TRANSFORMER FINALLY CHARGED AT 19.48HRS.
03	05.11.11	10.17	220KV BAWANA – SHALIMAR BAGH CKT-II	05.11.11	10.52	CKT. TRIPPED ON DIST PROT `A' PHASE, 186 AT SHALIMAR BAGH AND ON DIS PROT AUTO RECLOSE LOCK OUT, CB AUTO TRIP `R' PHASE AT BAWANA.
04	05.11.11	11.56	400KV CB-416 OF ICT-IV AT MUNDKA	05.11.11		CB-416 CONTROLLING ICT-IV TRIPPED ON LV SIDE WINDING TEMP ALARM, 86 A&B 220KV CB-213 CONTROLING 220KV ALSO TRIPPED ON 86, SUPERVISION, 86A. 220KV CB-212 TRIPPED ON MASTER RELAY, A&B, 66KV I/C TRIPPED ON 86.
05	08.11.11	06.20	220/66KV 100MVA PR. TR.-I AT PAPPANKALAN-II	08.11.11	07.15	TR. TRIPPED ON O/C, E/F, LBB PROTE ALONG WITH ITS 66KV I/C-I WHICH TRIPPED ON DC SUPERVISION RELAY
06	08.11.11	06.40	220/66KV 160MVA PR. TR-II AT RIDGE VALLEY			TR. TRIPPED ON GENERAL TRIP A&B, E/F, BUCHLOZ, PRV RELAY OVER FLUX ALONG WITH 66KV I/C-II WHICH TRIPPED ON 86A&B
07	08.11.11	06.40	220KV NARAINA – RIDGE VALLEY CKT.	08.11.11	07.34	CKT. TRIPPED ON TEF TRIP, 186X, 186A&B AT NARAINA.
08	08.11.11	06.35	400KV BAMNAULI – MUNDKA CKT-I & II	08.11.11	07.21	THE FOLLOWING TRIPPINGS OCCURRED :- AT BAMNAULI :- 400KV MUNDKA CKT-I : NO TRIPPING 400KV MUNDKA CKT-II : AN ZONE-I, 186A&B AT MUNDKA 400KV BAMNAULI CKT-I : AUTO RECLOSE LOCK OUT 400KV BAMNAULI CKT-II : 186LO CHANNEL-I & II FAULTY CKT-I & II CHARGED AT 07.10HRS. AND 07.21HRS. RESPECTIVELY.
09	08.11.11	08.15	220KV BAWANA – NAJAFGARH CKT.	08.11.11	08.22	CKT. TRIPPED ON 186 AT NAJAFGARH. NO TRIPPING AT BAWANA.
10	09.11.11	12.26	220KV MAHARANI BAGH - PRAGATI CKT.	09.11.11	13.09	CKT. TRIPPED ON POLE DISCREPANCY AT MAHARANI BAGH. NO TRIPPING AT PRAGATI.
11	10.11.11	09.57	220KV MAHARANI BAGH – LODHI ROAD CKT-II	10.11.11	10.31	CKT. TRIPPED ON DIST PROT ZONE-I AT MAHARANI BAGH. NO TRIPPING AT LODHI ROAD.
12	10.11.11	11.29	220KV MAHARANI BAGH – PRAGATI CKT.	10.11.11	11.45	CKT. TRIPPED ON POLE DISCREPANCY AT MAHARANI BAGH. NO TRIPPING AT PRAGATI.
13	10.11.11	14.22	220KV BTPS – MEHRAULI CKT-_____	10.11.11	14.23	CKT. TRIPPED ON VT FUSE FAILURE
14	11.11.11	13.25	33/11KV 16MVA PR. TR.-III AT LODHI ROAD	11.11.11	19.22	TR. TRIPPED ON O/C ALONG WITH 11KV I/C-III WHICH TRIPPED ON O/C, E/F.
15	11.11.11	15.22	220KV BTPS – OKHLA CKT-I	11.11.11	17.35	CKT. TRIPPED ON `R' PHASE E/F AT BTPS. NO TRIPPING AT OKHLA.

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
16	12.11.11	09.44	66/11KV 20MVA PR. TR-II AT MEHRAULI	12.11.11	16.36	TR. TRIPPED ON 51AX, O/C, 86, BACK UP PROTECTION ALONG WITH 11KV I/C-II WHICH TRIPPED ON O/C.
17	12.11.11	14.44	220KV BAWANA – SHALIMAR BAGH CKT-II	12.11.11	19.54	CKT. TRIPPED ON DIST. PROT `C' PHASE, 186A&B AT SHALIMAR BAGH. NO TRIPPING AT BAWANA
18	13.11.11	17.30	220KV BTPS - OKHLA CKT-II	13.11.11	17.55	SUPPLY FAILED FROM BTPS. NO TRIPPING AT OKHLA
19	13.11.11	17.30	220/33KV 50MVA PR. TR.-I AND 100MVA PR. TR.-IV AT OKHLA	13.11.11	17.50	50MVA PR. TR.-I TRIPPED ON 51AXM 51CX, 95C. 100MVA PR. TR.-IV TRIPPED ON 86, 51CX. 33KV I/C-I, III & IV ALSO TRIPPED. 33KV I/C-I TRIPPED ON 88, 86, 51A, 33KV I/C-III TRIPPED ON 51C, 86 AND 33KV I/C-IV TRIPPED ON 86LV. 33KV I/C-I, III & IV CHARGED AT 17.50HRS.
20	13.11.11	17.30	220KV BTPS – NOIDA – GAZIPUR CKT.	13.11.11	18.55	SUPPLY FAILED FROM BTPS. NO TRIPPING AT GAZIPUR
21	14.11.11	00.20	400/220KV 315MVA ICT-IV AT MUNDKA	14.11.11	08.23	ICT TRIPPED ON 86A&B
22	14.11.11	00.20	220/66K 160MVA PR. TR. AT MUNDKA	14.11.11	08.31	TR. TRIPPED ON 86A ALONG WITH ITS 66KV I/C WHCH TRIPPED ON 86.
23	14.11.11	07.43	33/11KV 16MVA PR. TR.-III AT LODHI ROAD	14.11.11	15.20	TR. TRIPPED ON O/C, E/F, 86 ALONG WITH 11KV I/C-III WHICH TRIPPED ON 86, O/C.
24	17.11.11	17.01	400KV BALLABHGARH – BAMNAULI CKT-I	17.11.11	18.14	CB-152 OF THE CKT. TRIPPED WITHOUT INDICATION AND ONE POLE (`Y') OF CB-252 OF THE CKT TRIPPED.
25	18.11.11	16.52	220/33KV 100MVA PR. TR-I AT TRAUMA CENTER	18.1111.		TR. TRIPPED ON DIFFERENTIAL LV REF, LEAKAGE IN TREASURY WINDING WHILE CHARGING.
26	19.11.11	06.48	220KV BTPS – NOIDA – GAZIPUR CKT.	19.11.11	07.17	CKT. TRIPPED ON CN, 86CM 186A, 186B AT BTPS. NO TRIPPING AT GAZIPUR
27	19.11.11	07.18	220KV PANIPAT – NARELA CKT-II	19.11.11	08.15	CKT. TRIPPED ON DIST PROT `ABC' PHASE ZONE-I AT NARELA.
28	19.11.11	11.20	220KV BAWANA – SHALIMAR BAGH CKT-II	19.11.11	19.22	CKT. TRIPPED ON DIST PROT `B'PHASE, 21Q, 186A&B AT BAWANA. NO TRIPPING AT SHALIMAR BAGH. A FLASH OBSERVED ON `Y' PHASE LA ON 220KV SHALIMAR BAGH CKT-II AT BAWANA.
29	19.11.11	11.20	400/220KV 315MVA ICT-II AT BAWANA	19.11.11	16.26	ICT TRIPPED ON 195AC, 195BC, 195CC, 295AC, 295BC, 295CC, 86A-I GROUP, 30AF, 30E, 30F
30	19.11.11	17.12	400/220KV 315MVA I/C-II AT BAMNAULI	20.11.11	17.10	ICT TRIPPED ON 186A&B, TRIP GROUP-II MAIN CG AUTO TRIP (BOTH BREAKERS), GRUP-II, 86B-1, MAIN CB AUTO TRIP, TIE CB AUTO TRIP, AUTO RECLOSE LOCK OUT, MAIN CB DC-I & II VT FUSE FAIL. 220KV I/C-II TRIPPED ON 167NX, E/F, 295CC, TRIP CKT SUPERVISION, CB TROUBLE ALARM, CB AIR GAS PRESSURE BLOCK OUT.
31	20.11.11	02.22	220KV PANIPAT – NARELA CKT-II & III	20.11.11	02.23	
32	20.11.11	03.42	220KV SHALIMAR BAGH – ROHINI CKT-I	20.11.11		CKT. TRIPPED ON 186A&B, AUTO RECLOSE, HEAVY JERK AT ROHINI.
33	20.11.11	02.32	220KV NARELA – ROHTAK ROAD CKT-II	20.11.11	07.17	CKT. TRIPPED ON DIST PROT `ABC'PHASE ZONE-I AT NARELA.

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
34	20.11.11	06.35	220KV BAWANA – NAJAFGARH CKT.	20.11.11	07.54	CKT. TRIPPED ON DIST PROT `R' PHASE ZONE-I, ATO RECLOSE LOCK OUT AT BAWANA.
35	21.11.11	12.25	220/66KV 100MVA PR. TR.-I AT GAZIPUR	23.11.11	18.42	TR. TRIPPED WITHOUT INDICATION ALONG WITH 66KV I/C-I WHICH TRIPPED ON E/F
36	22.11.11	11.05	220/33KV 100MVA PR. TR-II AT KASHMIRI GATE	22.11.11	15.50	TR. TRIPPED ON SUPERVISION, 195 AC, 195BC, 195CC, 295BC.
37	23.11.11	09.20	220/33KV 100MVA PR. TR.-I AT IP	23.11.11	10.30	TR. TRIPPED ON 86, AUTO RECLOSE LOCK OUT,.
38	23.11.11	22.15	220/33KV 100MV APR. TR.-IV AT OKHLA	23.11.11	22.15	TR. TRIPPED WITHOUT INDICATION ALONG WITH 33KV I/C-III AND IV. 33KV I/C-III TRIPPED ON 86, 51C AND 33KV I/C-IV TRIPPED ON 86LV, 86, 51CX.
39	24.11.11	19.31	33/11KV 20MVA PR. TR.-II AT LODHI ROAD	24.11.11	19.35	TR. TRIPPED ON DIFFERENTIAL.
40	26.11.11	20.28	220/33KV 100MVA PR. TR.-II AT SUBZI MANDI	26.11.11	22.25	TR. TRIPPED ON 86 ALONG WITH 33KV I-C-II WHICH TRIPPED ON 86, 80CD, CB AUTO TRIPPED.
41	28.11.11	14.40	220/66KV 100MVA PR. TR.-III AT DSIDC	28.11.11	17.03	TR. TRIPPED ON 86 ALONG WITH 66KV I/C-III WHICH TRIPPED ON O/C, E/F, LBB PROTECTION, 86
42	28.11.11	17.47	400KV BAWANA – MUNDKA CKT-I & II	28.11.11	18.35	CB-252 (MUNDKA CKT-I) AND CB-452 (MUNDKA CKT-II) TRIPPED ON 186A&B,, MAIN CB AUTO TRIP AT BAWANA. THE ABOVE TRIPPINGS OCCURRED DUE TO 400KV BUS DIFFERENTIAL OPERATION ON 400KV BUS-II AT BAWANA. DUE TO THE BUS DIFFERENTIAL OPERATION AT BAWANA, THE FOLLOWING TRIPPINGS ALSO OCCURRED :- CB-752 : (ICT-III) : MAIN CB 186A&B,, MAIN CB AUTO TRIP CB-1052 (ICT-II) TRIPPED MAIN CB AUTO TRIP CB-1252 (ABDULLAPUR CKT-I) : MAIN CB AUTO TRIP CB-1452 :(ABDULLAPUR CKT-II) : MAIN CB AUTO TRIP CB-1652 (MANDOLA CKT-I): MAIN CB AUTO TRIP CB-1852(MANDOLA CKT-II) : MAIN CB AUTO TRIP CB-2152 (ICT-I) : MAIN CAB AUTO TRIP 220KV DSIDC CKT-I & II, 220KV KANJHAWALA CKT, 220KV NAJAFGARH CKT TRIPPED ON 27X, UNDER VOLTAGE, 86.
43	29.11.11	17.29	400KV BUS BAR PROTECTION AT BAWANA	29.11.11	18.32	DUE TO BUS BAR PROTECTION ON 400KV BUS-II, THE FOLLOWOING TRIPPINGS OCCURRED :- CB-252 : 96 GROUP, BB PROTECTION CB-452 : FACIA CARRIER 2 FAILED CB-552 : CB TROUBLE ALARM CB-752 : MAIN CB AUTO TRIP CB-1052 : MAIN CB AUTO TRIP CB-1352 : DISTANCE RECORDER FAIL CB-1552 : CB AUTO TRIP CB-1752 : CARRIER CHANNEL-I FAILED

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

DATE	S. N.	TIME		Name of Grid	NAME OF AFFECTED FEEDERS	LOAD RELIEF IN MW
		OUT	IN			
14.11.11	1	16.43	16.50	KASHMIRI GTE 220kV	33kV TOWN HALL CKT. , 33kV JAMA MASJID CKT.	5