DELHI TRANSCO LTD.

STATE LOAD DISPATCH CENTER

PROGRESS REPORT

****

DECEMBER - 2011

1 SALIENT FEATURES OF DELHI POWER SYSTEM

Sr. No.	Features	DECEMBER 2011	DECEMBER 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	73
	Total	1548	1513
2	**Maximum Unrestricted Demand (MW)**	**3731**	**3471**
	Date	26.12.2011	27.12.2010
	Time	10.00	09.35.25
3	**Peak Demand met (MW)**	**3619**	**3471**
	Date	29.12.2011	27.12.2010
	Time	10.18.47	09.35.25
4	Peak Availability (MW)	3428	3131
5	Shortage (-) / Surplus (+) in MW	(-) 191	(-) 340
6	Percentage Shortage (-) / Surplus (+)	(-) 5.28	(-) 9.8
7	Maximum Energy Consume in a day (Mus)	66.505	61.006
8	Energy Consumed during the month	**1770.152**	**1672.795**
9	**Load Shedding in Mus**		
A)	Due to Grid Restrictions		
i)	Under Frequency Relay Operations	0.047	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	1.802	0.000
	BRPL	2.843	0.307
	BYPL	4.913	0.156
	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	**9.605**	**0.463**
B)	Due to Constraints in System in Mus		
	DTL	0.607	0.352
	NDPL	0.221	0.849
	BRPL	0.092	0.296
	BYPL	0.159	0.123
	NDMC	0.000	0.000
	MES	0.000	0.000
	Other Agencies	2.184	0.001
	Total	**3.301**	**1.621**
11	**Grand Total in Mus**	**12.906**	**2.084**

2. PERFORMANCE OF GENERATING STATIONS WITHIN DELHI DURING NOVEMBER 2011

A) For the month of DECEMBER 2011

All Figures in MUs

S. No	Stations	Gross Generation	Aux. Consumption	Net Generation	Availability (%)	Backing Down
1.	**RPH**	61.327	7.900	53.427	59.62	--
2.	**GT**	140.909	3.995	136.914	89.25	37.76
3.	**PPCL**	228.471	5.332	223.139	94.75	3.67
4.	**BTPS**	365.771	9.150	356.621	73.26	11.29
5.	**Rithala**	2.879	0.181	2.698	**--**	--
6.	**Bawana**	35.409	0.633	34.776	**70.11**	2.8145
	TOTAL	**834.766**	**27.191**	**807.575**		

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

Power Station	Effective Capacity (MW)	Net Generation in MUs For DEC 2011	Availability (%) For DEC. 2011	PLF (%) For DEC. 2011	Cumulative Generation in MUs upto DEC. 2011 for the year 2011-12	Cumulative Availability in % upto DEC. 2011 for the year 2011-12	Cumulative PLF in % upto DEC. 2011 for the year 2011-12
RPH	135	53.427	59.62	59.62	618.353	68.55	68.46
GT	270	136.914	89.25	69.88	999.760	75.91	55.13
PPCL	330	223.139	94.75	93.21	1898.623	91.07	86.35
BTPS	705	356.621	73.26	70.84	3198.938	84.72	75.21
Rithala	108	2.698	--	--	194.348	--	--
Bawana	**216**	34.776	70.11	59.14	34.776	**70.11**	**59.14**
TOTAL	**1764**	807.575			**6944.798**		

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
		05.12.11	22.08	06.12.11	08.07	Grid Disturbance
		06.12.11	08.58	06.12.11	09.32	Boiler flame failure
		12.12.11	11.47	12.12.11	12.44	Both FD fans tripped
		12.12.11	22.21	19.12.11	16.32	Boiler tube leakage
		24.12.11	17.10	24.12.11	17.35	Flame failure
		24.12.11	20.15	29.12.11	21.16	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	
		30.11.11	20.58	30.11.11	22.55	Turbine vibration high
		30.11.11	23.12	01.12.11	03.35	
		01.01.11	10.06	01.12.11	10.33	
		05.12.11	22.08	06.12.11	05.22	Grid disturbance
		07.12.11	13.08	07.12.11	14.07	Due to tripping of Pr. Tr.

(B) Gas Turbine

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	30	01.04.11	00.00	11.04.11	20.25	Machine stopped as generation available in open cycle mode
		12.04.11	00.02	12.04.11	18.25	
		16.04.11	17.17	17.04.11	10.15	
		17.04.11	17.02	22.04.11	11.10	Machine stopped due to low demand
		30.04.11	12.20	05.05.11	00.45	Machine stopped as generation available in open cycle mode
		15.05.11	06.15	16.05.11	23.50	
		17.05.11	08.37	17.05.11	17.29	Machine stopped as generation available on spot RLNG
		21.05.11	12.13	21.05.11	16.36	Stopped due to low demand and high frequency.
		02.06.11	09.32	03.06.11	10.25	
		08.06.11	20.35	09.06.11	00.34	Electrical trouble
		17.06.11	01.02	18.06.11	01.22	Machine stopped as generation available in open cycle mode
		19.06.11	07.04	21.06.11	03.05	
		26.06.11	12.20	27.06.11	11.26	Stopped due to low demand and high frequency.
		30.06.11	11.50	02.07.11	20.29	
		08.07.11	23.05	10.07.11	16.42	
		07.08.11	21.40	17.08.11	11.40	Machine stopped as generation available on spot RLNG
		20.08.11	12.20	20.08.11	22.00	Machine stopped as per SLDC message to maintain only 109 MW
		20.08.11	22.00	21.085.11	18.30	Machine is not available due to problem in Excitation
		21.08.11	18.30	22.08.11	15.58	Machine stopped as generation available on spot RLNG
		23.08.11	14.15	25.08.11	12.40	
		31.08.11	14.32	31.08.11	15.36	Stopped to attend lube oil leakage
		03.09.11	09.02	03.09.11	10.30	Stopped due to low demand and high frequency.
		03.09.11	13.05	03.09.11	13.35	Machine tripped as Bus differential relay on BB-3 & 4 operated.
		04.09.11	02.47	06.09.11	17.20	Stopped due to low demand and high frequency.
		11.09.11	22.05	14.09.11	20.36	Machine stopped as generation available on spot RLNG
		15.09.11	01.14	19.09.11	11.55	Machine stopped as generation available on spot open cycle mode
		20.09.11	01.15	20.09.11	13.40	
		21.09.11	01.32	21.09.11	17.16	
		22.09.11	00.02	22.09.11	08.42	
		23.09.11	00.35	24.09.11	10.47	
		25.09.11	00.02	26.09.11	10.10	
		27.09.11	00.20	27.09.11	08.40	
		27.09.11	15.15	27.09.11	15.25	Machine came on FSNL during checking of Bus Coupler differential trippings, Differential relay on BB-3 & 4 operated .
		28.09.11	01.10	28.09.11	08.52	Machine stopped as generation available on spot open cycle mode
		29.09.11	02.10	29.09.11	10.57	
		30.09.11	00.12	30.09.11	10.20	
		30.09.11	23.50	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	
1	**30**	07.12.11	03.35	08.12.11	00.50	Machine stopped as generation available on spot RLNG
		13.12.11	00.05	13.12.11	05.46	
		16.12.11	01.30	16.12.11	08.43	
		16.12.11	22.30	17.12.11	06.20	
		18.12.11	23.06	21.12.11	12.55	
		23.12.11	00.02	23.12.11	09.50	
		23.12.11	22.05	24.12.11	08.55	
		25.12.11	01.20	25.12.11	07.10	
		25.12.11	17.05	27.12.11	05.40	
		28.12.11	00.02	28.12.11	05.48	
		28.12.11	22.19	29.12.11	09.48	
		29.12.11	14.02	30.12.11	06.40	
		31.12.11	00.45	31.12.11	08.50	
		31.12.11	19.55	31.12.11	23.59	

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
2	30	01.04.11	00.00	11.04.11	21.37	Machine stopped as generation is available in open cycle mode.
		12.04.11	00.02	12.04.11	20.27	
		12.04.11	21.00	21.04.11	12.48	
		24.04.11	23.35	25.04.11	05.20	Machine tripped on high vibration
		30.04.11	18.15	05.05.11	19.45	Due to swapping of gas to PPCL.
		13.05.11	16.02	13.05.11	18.10	High exhaust temp spread.
		15.05.11	06.18	15.05.11	21.35	Stopped due to low demand and high frequency.
		21.05.11	12.13	21.05.11	12.55	
		15.06.11	07.35	15.06.11	08.25	Loss of flame
		15.06.11	17.40	15.06.11	18.40	Loss of flame
		15.06.11	22.10	16.06.11	03.22	Loss of flame
		18.06.11	02.02	20.06.11	17.35	Machine stopped as generation available in open cycle mode
		02.07.11	21.12	03.07.11	16.10	
		08.07.11	23.02	10.07.11	19.27	
		06.08.11	00.05	07.08.11	15.50	Machine stopped as generation available on spot RLNG
		07.08.11	23.10	16.08.11	12.20	
		17.08.11	14.30	17.08.11	19.00	
		03.09.11	11.05	03.09.11	17.05	Machine stopped as generation available on spot RLNG
		11.09.11	22.05	12.09.11	21.58	
		13.09.11	00.02	14.09.11	17.45	
		15.09.11	01.04	19.09.11	11.56	Machine stopped as generation available in open cycle mode
		20.09.11	01.15	20.09.11	13.14	
		21.09.11	01.32	21.09.11	17.20	
		22.09.11	00.02	22.09.11	08.27	
		23.09.11	01.02	24.09.11	10.40	
		25.09.11	00.02	26.09.11	09.45	
		27.09.11	00.10	27.09.11	08.48	
		28.09.11	01.05	28.09.11	08.40	
		29.09.11	02.02	29.09.11	10.55	
		30.09.11	00.12	30.09.11	10.20	
		30.09.11	23.50	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
		08.12.11	17.10	09.12.11	07.56	
		14.12.11	00.55	14.12.11	05.58	
		14.12.11	22.31	15.12.11	13.15	
		16.12.11	22.45	17.12.11	10.13	
		19.12.11	03.35	19.12.11	15.20	Tripped on TAD very high.
		24.12.11	19.52	25.12.11	00.35	Tripped on high exhaust temp. spread.

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	
		08.12.11	23.16	12.09.11	08.06	
		10.12.11	23.30	12.12.10	05.46	
		14.12.11	15.15	15.12.11	12.50	
		15.12.11	14.17	15.12.11	17.30	Machine tripped on 63TP-1,Buch-1 alarm operated on protection pannel.
		18.12.11	20.20	18.12.11	22.30	Machine stopped as generation available on spot RLNG
		19.12.11	02.15	19.12.11	12.55	Tripped on TAD very high.
		19.12.11	23.25	20.12.11	14.15	Machine stopped as generation available on spot RLNG
		21.12.11	14.30	21.12.11	17.50	
		28.12.11	15.35	28.12.11	22.04	

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	Machine tripped on high TAD
		03.12.11	19.05	05.12.11	05.25	Machine stopped as generation available on spot RLNG
		18.12.11	00.01	19.12.11	02.44	
		19.12.11	07.42	19.12.11	11.22	Stopped on TAD very high.
		20.12.11	02.55	20.12.11	09.30	Tripped on TAD very high.
		21.12.11	00.02	21.12.11	07.50	Machine stopped due to low demand.
		21.12.11	18.14	22.12.11	08.25	Machine stopped as generation available on spot RLNG
		26.12.11	12.54	26.12.11	22.15	

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
		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
		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
		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.
		03.12.11	14.37	06.12.11	18.02	Machine stopped as generation available on spot RLNG
		07.12.11	03.40	07.12.11	06.00	Machine taken under Shut down by M-I division to attend lube oil leakage.
		07.12.11	11.30	07.12.11	18.30	Machine stopped as generation available on spot RLNG
		07.12.11	23.35	08.12.11	16.23	
		12.12.11	19.29	14.12.11	14.23	
		19.12.11	09.20	19.12.11	13.10	Tripped on TAD very high.

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
		01.12.11	00.45	01.12.11	06.25	Machine stopped as generation available on spot RLNG
		01.12.11	09.58	03.12.11	13.55	
		05.12.11	19.02	07.12.11	03.05	
		09.12.11	22.20	12.12.11	18.40	
		15.12.11	23.55	16.12.11	08.41	
		18.12.11	14.02	18.12.11	20.10	
		19.12.11	04.10	19.12.11	10.55	Tripped on TAD very high.
		20.12.11	01.25	20.12.11	09.15	Tripped on TAD very high.
		21.12.11	18.32	22.12.11	07.52	Machine stopped as generation available on spot RLNG
		22.12.11	17.50	23.12.11	09.52	
		23.12.11	14.20	24.12.11	08.40	
		25.12.11	00.46	25.12.11	07.02	

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
6	**30**	25.12.11	23.55	26.12.11	11.58	Machine stopped as generation available on spot RLNG
		27.12.11	00.05	27.12.11	05.25	
		28.12.11	00.45	28.12.11	05.15	
		28.12.11	23.25	29.12.11	09.40	
		29.12.11	23.01	30.12.11	07.55	
		31.12.11	00.45	31.12.11	05.25	
		31.12.11	17.10	31.12.11	23.59	

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
		12.12.11	06.59	12.12.11	08.53	Tripped on low vaccum due to tripping CEP as 800KVA Trf-1 tripped on Buck-holtz relay
		13.12.11	11.05	13.12.11	13.32	Machine tripped
		16.12.11	22.45	17.12.11	08.20	Machine stopped as generation available on spot RLNG

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG #1	**30**	19.12.11	03.35	19.12.11	16.46	Tripped due to tripping of GT#2 as TAD of GT#2 very high.
		24.12.11	19.10	24.12.11	21.40	Tripped on Gen. front bearings vibration very high on right side probe.Relay operated 86GB,aux. relay 60A,60AX,Aux. relay for 60PP,60PPX,Aux. relay for 60 Pmax.
		29.12.11	14.34	29.12.11	19.35	Tripped on class A relay trip alarm.Following relay appear in DDC room of STG#1:Gen.class A trip relay86GA,Gen.class B tripping relay86GB, Aux.relay for 60AX,60PPA,60PMA,32G &27GX also appeared.
		30.12.11	14.53	30.12.11	15.52	Tripped on CH-I &CH-II operated.

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
		12.12.11	06.59	12.12.11	10.10	Tripped due to tripping of 800KVA Trf-1 on low vaccum as both running CEPs tripped.
		18.12.11	14.50	18.12.11	15.45	Tripped due to the following parameters disappeared on BCD & CRT:lube oil temp.,exhaust steam temp.,condensate temp.,BFP discharge header pressure &temp.
		18.12.11	19.20	19.12.11	00.08	Tripped due to HRSG#3 drum level very low.
		19.12.11	02.15	19.12.11	03.40	Tripped due to tripping of GT#3 as TAD of GT#3 very high.
		19.12.11	07.42	19.12.11	13.45	Stopped due to stopping of GT#4 because TAD very high.
		20.12.11	02.55	20.12.11	11.58	Tripped due to tripping of GT#4 as TAD of GT#4 very high.

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
		19.12.11	09.20	19.12.11	12.57	Tripped due to tripping of GT#5 as TAD of GT#5 very high

(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
		05.12.11	22.00	06.12.11	01.07	Electrical fault
		09.12.11	14.05	09.12.11	14.32	Due to heavy jerk
		19.12.11	13.58	19.12.11	17.03	Air filter damage
		30.12.11	10.30	30.12.11	14.04	Replacement of air tube valve
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
		05.12.11	22.00	06.12.11	02.18	Electrical fault
		09.12.11	14.05	09.12.11	16.51	Due to heavy jerk
		26.12.11	01.01	26.12.11	02.01	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
		25.12.11	02.30	27.12.11	01.19	Boiler tube leakage
2	95	03.04.11	00.50	20.04.11	21.35	Shut-down for over-hauling
		21.05.11	23.13	23.05.11	20.52	Generation backing down due to low demand and high frequency
		27.06.11	16.41	02.07.11	17.42	
		11.07.11	14.54	11.07.11	16.37	False relay tripping
		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
		20.12.11	08.12	20.12.11	09.33	Vacuum pressure low
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
		26.12.11	16.29	27.12.11	10.55	Boiler 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	31.10.11	23.59	Furnance vaccum low
		30.11.11	03.05	22.12.11	20.18	Annual maintenance
		23.12.11	01.30	24.12.11	19.10	Boiler tube leakage
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
		26.12.11	19.05	28.12.11	09.42	Furnance failure

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 DECEMBER 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	Bawana	Total						
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)= (3) to (8)	(10)	(11)	(12)= (11) - (10)	(13)= (11)+ (12)	(14)	(15)= (13)+ (14)
1	18:27:40	88	200	307	431	0	0	1026	2049	2162	113	**3075**	0	3075
2	18:20:03	89	195	301	436	0	0	1021	2084	2152	68	**3105**	0	3105
3	18:39:42	94	193	299	438	0	0	1024	1912	2180	268	**2936**	2	2938
4	10:04:01	94	161	309	346	0	0	910	1909	1885	-24	**2819**	2	2821
5	18:22:15	96	196	296	426	0	0	1014	1991	2216	225	**3005**	0	3005
6	10:35:15	98	158	305	420	0	0	981	2013	1981	-32	**2994**	0	2994
7	18:56:14	97	186	303	428	0	0	1014	2171	2200	29	**3185**	2	3187
8	19:22:10	94	193	295	441	0	0	1023	2046	1760	-286	**3069**	17	3086
9	19:02:48	97	235	304	448	0	0	1084	2007	1792	-215	**3091**	11	3102
10	18:22:03	93	194	309	424	0	0	1020	1949	1916	-33	**2969**	0	2969
11	09:51:10	98	156	317	441	0	0	1012	2042	2039	-3	**3054**	0	3054
12	18:19:07	88	176	314	436	0	0	1014	2051	2165	114	**3065**	0	3065
13	18:45:18	49	197	313	437	0	0	996	2095	2228	133	**3091**	2	3093
14	18:33:55	51	195	314	426	0	0	986	2150	2337	187	**3136**	0	3136
15	18:16:04	48	240	309	338	0	0	935	2268	2210	-58	**3203**	0	3203
16	18:39:43	47	240	313	412	0	0	1012	2225	2169	-56	**3237**	2	3239
17	18:33:19	48	240	212	302	0	0	802	2273	2242	-31	**3075**	0	3075
18	10:22:00	44	198	320	426	0	0	988	2218	2021	-197	**3206**	1	3207
19	10:02:58	49	0	291	443	0	0	783	2520	2358	-162	**3303**	0	3303
20	10:11:19	91	126	322	367	0	0	906	2392	2389	-3	**3298**	0	3298
21	10:15:14	95	204	316	433	0	0	1048	2362	2322	-40	**3410**	48	3458
22	10:07	94	242	314	410	0	0	1060	2363	2277	-86	**3423**	0	3423
23	10:29:35	94	226	317	428	0	0	1065	2451	2310	-141	**3516**	58	3574
24	18:17:44	88	241	313	410	0	0	1052	2294	2341	47	**3346**	6	3352
25	10:02:43	50	243	320	470	0	0	1083	2287	2264	-23	**3370**	14	3384
26	09:35:29	48	160	323	509	0	0	1040	2512	2376	-136	**3552**	169	3721
27	10:33:05	51	244	312	331	31	180	1149	2437	2315	-122	**3586**	28	3614
28	09:58:00	50	244	315	436	30	180	1255	2341	2051	-290	**3596**	56	3652
29	10:18:47	50	231	314	592	22	204	1413	2206	2015	-191	**3619**	0	3619
30	10:43:31	99	241	149	612	6	0	1107	2490	1882	-608	**3597**	82	3679
31	10:41:16	95	243	313	595	22	0	1268	2161	2042	-119	**3429**	78	3507

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

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	Bawana	Total						
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)= (3) to (8)	(10)	(11)	(12)= (11) - (10)	(13)= (11)+ (12)	(14)	(15)= (13)+ (14)
1	18:27:40	88	200	307	431	0	0	1026	2049	2162	113	**3075**	0	3075
2	18:20:03	89	195	301	436	0	0	1021	2084	2152	68	**3105**	0	3105
3	18:39:42	94	193	299	438	0	0	1024	1912	2180	268	**2936**	2	2938
4	10:04:01	94	161	309	346	0	0	910	1909	1885	-24	**2819**	2	2821
5	18:22:15	96	196	296	426	0	0	1014	1991	2216	225	**3005**	0	3005
6	10:35:15	98	158	305	420	0	0	981	2013	1981	-32	**2994**	0	2994
7	18:56:14	97	186	303	428	0	0	1014	2171	2200	29	**3185**	2	3187
8	19:22:10	94	193	295	441	0	0	1023	2046	1760	-286	**3069**	17	3086
9	18.00	97	238	305	441	0	0	1081	1952	1806	-146	**3091**	72	3105
10	18:22:03	93	194	309	424	0	0	1020	1949	1916	-33	**2969**	0	2969
11	09:51:10	98	156	317	441	0	0	1012	2042	2039	-3	**3054**	0	3054
12	18:19:07	88	176	314	436	0	0	1014	2051	2165	114	**3065**	0	3065
13	18:45:18	49	197	313	437	0	0	996	2095	2228	133	**3091**	2	3093
14	18:33:55	51	195	314	426	0	0	986	2150	2337	187	**3136**	0	3136
15	18:16:04	48	240	309	338	0	0	935	2268	2210	-58	**3203**	0	3203
16	18:39:43	47	240	313	412	0	0	1012	2225	2169	-56	**3237**	2	3239
17	11.00	48	238	153	342	0	0	769	2241	2005	-235	**3010**	186	3196
18	10:22:00	44	198	320	426	0	0	988	2218	2021	-197	**3206**	1	3207
19	10:02:58	49	0	291	443	0	0	783	2520	2358	-162	**3303**	0	3303
20	10:11:19	91	126	322	367	0	0	906	2392	2389	-3	**3298**	0	3298
21	10:15:14	95	204	316	433	0	0	1048	2362	2322	-40	**3410**	48	3458
22	10:07	94	242	314	410	0	0	1060	2363	2277	-86	**3423**	0	3423
23	10:29:35	94	226	317	428	0	0	1065	2451	2310	-141	**3516**	58	3574
24	10.00	94	193	299	438	0	0	1025	2144	2247	103	**3169**	278	3447
25	10:02:43	50	243	320	470	0	0	1083	2287	2264	-23	**3370**	14	3384
26	10.00	50	161	320	518	0	0	1048	2461	2410	-50	**3509**	222	3731
27	10:33:05	51	244	312	331	31	180	1149	2437	2315	-122	**3586**	28	3614
28	09:58:00	50	244	315	436	30	180	1255	2341	2051	-290	**3596**	56	3652
29	10:18:47	50	231	314	592	22	204	1413	2206	2015	-191	**3619**	0	3619
30	10:43:31	99	241	149	612	6	0	1107	2490	1882	-608	**3597**	82	3679
31	10:41:16	95	243	313	595	22	0	1268	2161	2042	-119	**3429**	78	3507

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

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

A (i) RPH	61.327
JHAJJAR SHARE	0.000
NET RPH	61.327
(ii) GT+STG	140.909
(iii) PRAGATI	228.471
(iv) RITHALA	2.879
(v) BAWANA CCGT	35.409
TOTAL	468.995
B) AVAILABILITY FROM BTPS	332.319
C) AUXILIARY CONSUMPTION OF GENERATING STNs. EXCLUDING BTPS	18.041
D) NET GENERATION AVAILABLE WITHIN DELHI(A+B-C)	**783.273**

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	1.684	1.592	1.684	1.592
SALAL	10.307	9.747	10.307	9.747
TANKAPUR	2.107	1.993	2.107	1.993
CHAMERA	1.362	1.292	1.362	1.292
CHAMERA -II	5.423	5.129	5.423	5.129
DHAULIGANGA	4.939	4.672	4.939	4.672
SEWA -2	0.310	0.292	0.310	0.292
URI	10.037	9.491	10.037	9.491
KOTESHWAR	5.848	5.530	5.848	5.530
ANTA (GAS)	11.585	10.955	10.900	10.309
ANTA (RLNG)	10.647	10.065	5.951	5.623
ANTA (LIQUID)	0.066	0.063	0.000	0.000
DADRI (GAS)	37.124	35.109	35.623	33.694
DADRI (RLNG)	30.319	28.660	15.164	14.328
DADRI (LIQUID)	0.000	0.000	0.000	0.000
AURAIYA (GAS)	26.941	25.476	26.112	24.695
AURAIYA (RLNG)	23.077	21.817	11.000	10.394
AURAIYA (LIQUID)	0.994	0.939	0.000	0.000
SINGRAULI	95.247	90.063	94.955	89.787
RIHAND -I	58.854	55.643	58.658	55.459
RIHAND -II	86.624	81.887	86.316	81.597
UNCHAHAR-I	15.270	14.440	14.870	14.063
UNCHAHAR-II	29.805	28.184	29.021	27.445
UNCHAHAR-III	18.368	17.369	17.888	16.917
DADRI (TH)	433.280	409.537	413.843	391.184
DADRI (TH) STAGE-II	503.787	476.334	488.493	461.900
NAPP	16.751	15.837	16.751	15.837
RAPP 'B'	0.000	0.000	0.000	0.000
RAPP 'C'	39.652	37.493	39.652	37.493
NATHPA JHAKRI	23.689	22.404	12.036	11.388
DULASTI	12.250	11.587	12.250	11.587
TEHRI	20.575	19.457	20.575	19.457
JHAJJAR	0.000	0.000	0.000	0.000
KHELGAON	24.401	23.079	23.195	21.942
KHELGAON-II	55.205	52.207	53.091	50.214
FARAKA	13.730	12.983	12.098	11.440
TALA	3.295	3.117	3.295	3.117
TALCHER	0.000	0.000	0.000	0.000
DVC	65.419	64.583	64.583	61.062
CHATTISHGARH	0.000	0.000	0.000	0.000
ANDHRA	0.000	0.000	0.000	0.000
DVC TATA STEEL (NDPL)	62.283	61.454	61.454	58.042

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
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	0.000	0.000	0.000	0.000
MEGHALAYA	0.000	0.000	0.000	0.000
RAJASTHAN	0.000	0.000	0.000	0.000
TO ANDHRA	-13.677	-14.070	-14.070	-14.881
TO MADHYA PRADESH	-97.684	-99.295	-99.295	-104.966
TO JAMMU & KASHMIR	-45.287	-46.463	-46.463	-49.139
TO MAHARASHTRA	0.000	0.000	0.000	0.000
TO RAJASTHAN	-47.387	-48.633	-48.633	-51.434
TO HIMACHAL PRADESH	-34.833	-35.738	-35.738	-37.796
TO KERALA(ER)	-0.590	-0.602	-0.602	-0.640
TO UTTRANCHAL	-31.983	-32.812	-32.812	-34.697
POWER EXCHANGE(IEX)	2.011	1.900	2.011	1.900
TO POWER EXCHANGE (IEX)	-86.698	-91.712	-86.698	-91.712
POWRER EXCHANGE(PX)	0.000	0.000	0.000	0.000
TO POWER EXCHANGE (PX)	-13.321	-14.099	-13.321	-14.099
TO SHARE PROJECT (HARYANA)	-5.465	-5.619	-5.465	-5.619
TO SHARE PROJECT (PUNJAB)	-2.339	-2.405	-2.339	-2.405
TOTAL	**1384.003**	**1280.933**	**1286.933**	**1173.225**

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	1381.990	1306.541	1308.792	1237.394
NTPC - ER	93.337	88.269	88.384	83.595
NHPC	48.418	45.796	48.418	45.796
NPC	56.403	53.330	56.403	53.330
KOTESHWAR	5.848	5.530	5.848	5.530
NATHPA JHAKRI	23.689	22.404	12.036	11.388
TEHRI	20.575	19.457	20.575	19.457
TALA	3.295	3.117	3.295	3.117
JHAJJAR	0.000	0.000	0.000	0.000
TALCHER	0.000	0.000	0.000	0.000
DVC	65.419	64.583	64.583	61.062
CHATTISHGARH	0.000	0.000	0.000	0.000
ANDHRA	0.000	0.000	0.000	0.000
DVC TATA STEEL (NDPL)	62.283	61.454	61.454	58.042
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	0.000	0.000	0.000	0.000
MEGHALAYA	0.000	0.000	0.000	0.000
RAJASTHAN	0.000	0.000	0.000	0.000
POWER EXCHANGE(IEX)	2.011	1.900	2.011	1.900
POWER EXCHANGE(PX)	0.000	0.000	0.000	0.000
TOTAL	**1763.268**	**1672.381**	**1671.799**	**1580.612**

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	-97.684	-99.295	-99.295	-104.966
TO ANDHRA	-13.677	-14.070	-14.070	-14.881
TO JAMMU & KASHMIR	-45.287	-46.463	-46.463	-49.139
TO MAHARASHTRA	0.000	0.000	0.000	0.000
TO RAJASTHAN	-47.387	-48.633	-48.633	-51.434
TO HIMACHAL PRADESH	-34.833	-35.738	-35.738	-37.796
TO KERALA(ER)	-0.590	-0.602	-0.602	-0.640
TO UTTRANCHAL	-31.983	-32.812	-32.812	-34.697
TO POWER EXCHANGE (IEX)	-86.698	-91.712	-86.698	-91.712
TO POWER EXCHANGE (PX)	-13.321	-14.099	-13.321	-14.099
TO SHARE PROJECT (HARYANA)	-5.465	-5.619	-5.465	-5.619
TO SHARE PROJECT (PUNJAB)	-2.339	-2.405	-2.339	-2.405
TOTAL	**-379.265**	**-391.448**	**-385.436**	**-407.387**
TOTAL SCHEDULED DRAWAL FROM THE GRID	**1384.003**	**1280.933**	**1286.363**	**1173.225**
TOTAL CONSUMPTION INCLUDING AUX. OF GENERATING STNs. EXCLUDING BTPS				1788.193
NET CONSUMPTION				1770.152
AVAILABILITY WITHIN DELHI				783.273
ACTUAL DRAWAL FROM THE GRID				986.879
OVER DRAWAL(+)/UNDER DRAWAL(-) FROM THE GRID ON THE BASIS OF SCHEDULED ALLOCATION MADE BY NRLDC TO DELHI AT PERIPHERY				-186.346
LOAD SHEDDING				**12.906**
UNRESTRICTED DEMAND (GROSS)				**1801.099**
UNRESTRICTED DEMAND (NET)				**1783.058**
MAX. NET CONSUMPTION				66.505Mus. ON 28.12.2011
MAX. LOAD SHEDDING				516W ON 30.12.2011 AT 12.40HRS.
PEAK LOAD	Peak Demand during the month			SHEDDING AT PEAK TIME
DAY PEAK	3619MW AT 10.18.47HRS ON 29.12.2011			NIL
EVENING PEAK	3367MW AT 18.30.00HRS ON 30.12.2011			NIL
P.L.F. OF GENCO AND PRAGATI STNs.	RPH GT PRAGATI RITHALA BAWANA			61.06% 70.15% 93.06% 3.58% 21.61%

9 SHEDDING DETAILS DURING THE MONTH OF DECEMBER 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-Dec-11	0	0.000	0.000	0.000	0.000	**0.000**	0.047	0.000	0.034	0.000
02- Dec -11	0	0.000	0.000	0.000	0.000	**0.000**	0.155	0.025	0.048	0.000
03- Dec-11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
04- Dec-11	0	0.000	0.000	0.000	0.000	**0.000**	0.010	0.000	0.000	0.000
05- Dec -11	16	0.045	0.002	0.000	0.000	**0.047**	0.112	0.000	0.013	0.000
06- Dec -11	0	0.000	0.000	0.000	0.000	**0.000**	0.038	0.000	0.021	0.000
07- Dec -11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
08- Dec -11	0	0.000	0.000	0.000	0.000	**0.000**	0.426	0.179	0.189	0.000
09- Dec -11	0	0.000	0.000	0.000	0.000	**0.000**	0.125	0.110	0.029	0.000
10- Dec -11	0	0.000	0.000	0.000	0.000	**0.000**	0.121	0.000	0.000	0.000
11- Dec -11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
12- Dec -11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
13- Dec -11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
14- Dec -11	0	0.000	0.000	0.000	0.000	**0.000**	0.080	0.083	0.000	0.000
15- Dec -11	0	0.000	0.000	0.000	0.000	**0.000**	0.257	0.225	0.429	0.000
16- Dec -11	0	0.000	0.000	0.000	0.000	**0.000**	0.318	0.236	0.223	0.000
17- Dec -11	0	0.000	0.000	0.000	0.000	**0.000**	0.862	0.329	0.131	0.000
18- Dec -11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
19- Dec -11	0	0.000	0.000	0.000	0.000	**0.000**	0.010	0.053	0.024	0.000
20- Dec -11	0	0.000	0.000	0.000	0.000	**0.000**	0.025	0.000	0.002	0.000
21- Dec -11	0	0.000	0.000	0.000	0.000	**0.000**	0.264	0.075	0.000	0.000
22- Dec -11	0	0.000	0.000	0.000	0.000	**0.000**	0.073	0.000	0.000	0.000
23- Dec -11	0	0.000	0.000	0.000	0.000	**0.000**	0.092	0.131	0.093	0.000
24- Dec -11	0	0.000	0.000	0.000	0.000	**0.000**	0.495	0.232	0.109	0.000
25- Dec -11	0	0.000	0.000	0.000	0.000	**0.000**	0.085	0.159	0.000	0.000
26- Dec -11	0	0.000	0.000	0.000	0.000	**0.000**	0.341	0.241	0.000	0.000
27- Dec -11	0	0.000	0.000	0.000	0.000	**0.000**	0.067	0.187	0.000	0.000
28- Dec -11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.084	0.000	0.000
29 Dec -11	0	0.000	0.000	0.000	0.000	**0.000**	0.009	0.066	0.034	0.000
30- Dec -11	0	0.000	0.000	0.000	0.000	**0.000**	0.665	0.428	0.358	0.000
	0	0.000	0.000	0.000	0.000	**0.000**	0.236	0.000	0.065	0.000
Total	**16**	**0.045**	**0.002**	**0.000**	**0.000**	**0.047**	**4.913**	**2.843**	**1.802**	**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-Dec-11	0.000	0.000	0.000	0.000	**0.081**	**0.081**	0.000	0.000	0.000	0.000	0.000
02- Dec -11	0.000	0.000	0.000	0.000	**0.228**	**0.228**	0.000	0.000	0.003	0.000	0.000
03- Dec-11	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
04- Dec-11	0.000	0.000	0.000	0.000	**0.010**	**0.010**	0.000	0.000	0.013	0.000	0.000
05- Dec -11	0.000	0.000	0.000	0.000	**0.125**	**0.172**	0.000	0.000	0.000	0.000	0.000
06- Dec -11	0.000	0.000	0.000	0.000	**0.059**	**0.059**	0.000	0.000	0.000	0.000	0.000
07- Dec -11	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.001	0.000	0.000	0.001	0.000
08- Dec -11	0.000	0.000	0.000	0.000	**0.794**	**0.794**	0.000	0.000	0.000	0.000	0.000
09- Dec -11	0.000	0.000	0.000	0.000	**0.264**	**0.264**	0.000	0.000	0.000	0.000	0.000
10- Dec -11	0.000	0.000	0.000	0.000	**0.121**	**0.121**	0.000	0.000	0.000	0.000	0.000
11- Dec -11	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
12- Dec -11	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
13- Dec -11	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.029	0.000	0.000	0.000
14- Dec -11	0.000	0.000	0.000	0.000	**0.163**	**0.163**	0.000	0.000	0.000	0.000	0.000
15- Dec -11	0.000	0.000	0.000	0.000	**0.911**	**0.911**	0.000	0.000	0.002	0.000	0.000
16- Dec -11	0.000	0.000	0.000	0.000	**0.777**	**0.777**	0.000	0.000	0.005	0.000	0.000
17- Dec -11	0.000	0.000	0.000	0.000	**1.322**	**1.322**	0.000	0.000	0.000	0.000	0.000
18- Dec -11	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
19- Dec -11	0.000	0.000	0.000	0.000	**0.087**	**0.087**	0.000	0.013	0.000	0.000	0.000
20- Dec -11	0.000	0.000	0.000	0.000	**0.027**	**0.027**	0.000	0.013	0.195	0.000	0.000
21- Dec -11	0.000	0.000	0.000	0.000	**0.339**	**0.339**	0.000	0.000	0.003	0.000	0.000
22- Dec -11	0.000	0.000	0.000	0.000	**0.073**	**0.073**	0.000	0.000	0.000	0.000	0.000
23- Dec -11	0.000	0.000	0.000	0.000	**0.316**	**0.316**	0.000	0.000	0.012	0.000	0.000
24- Dec -11	0.000	0.000	0.000	0.000	**0.836**	**0.836**	0.000	0.000	0.017	0.000	0.000
25- Dec -11	0.000	0.000	0.000	0.000	**0.244**	**0.244**	0.000	0.000	0.000	0.000	0.000
26- Dec -11	0.000	0.000	0.000	0.000	**0.582**	**0.582**	0.000	0.053	0.000	0.000	0.000
27- Dec -11	0.000	0.000	0.000	0.000	**0.254**	**0.254**	0.000	0.016	0.000	0.000	0.000
28- Dec -11	0.000	0.000	0.000	0.000	**0.084**	**0.084**	0.000	0.064	0.000	0.000	0.000
29 Dec -11	0.000	0.000	0.000	0.000	**0.109**	**0.109**	0.000	0.000	0.008	0.000	0.000
30- Dec -11	0.000	0.000	0.000	0.000	**1.451**	**1.451**	0.000	0.027	0.069	0.000	0.000
	0.000	0.000	0.000	0.000	**0.301**	**0.301**	0.000	0.037	0.026	0.000	0.000
Total	**0.000**	**0.000**	**0.000**	**0.000**	**9.558**	**9.605**	**0.001**	**0.252**	**0.353**	**0.001**	**0.000**

ALL FIGURES IN MUs

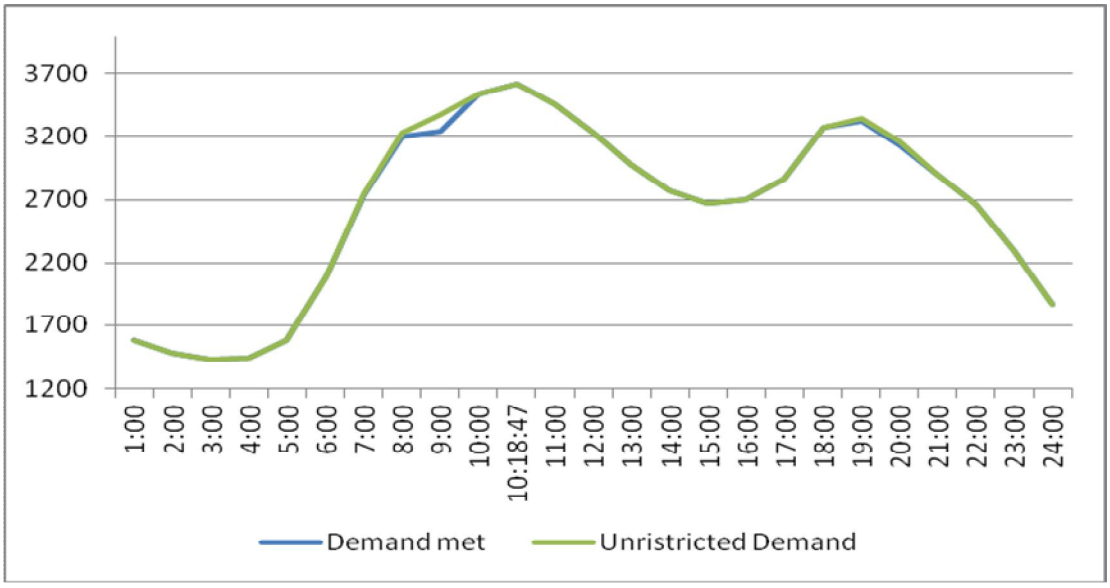
DATE	DUE TO T&D CONTRAINTS				OTHER AGENCIES LIKE GENCO, BBMB, BTPS ETC.	THEFT PRONE SHEDDING			TOTAL SHEDDING DUE TO T&D CONSTS. & THEFT PRONE	GRAND TOTAL
	DISCOMS									
	BSES		NDPL	NDMC		BSES		NDPL		
	BYPL	BRPL				BYPL	BRPL			
1	23	24	25		26	27	28	29	30=18 to29	31=30+17
01-Dec-11	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.038	**0.039**	**0.120**
02- Dec -11	0.048	0.003	0.003	0.000	0.000	0.000	0.000	0.033	**0.090**	**0.318**
03- Dec-11	0.012	0.000	0.024	0.000	0.000	0.000	0.000	0.039	**0.075**	**0.075**
04- Dec-11	0.011	0.000	0.000	0.000	0.000	0.000	0.000	0.040	**0.064**	**0.074**
05- Dec -11	0.016	0.000	0.004	0.000	0.000	0.000	0.000	0.041	**0.061**	**0.233**
06- Dec -11	0.001	0.000	0.001	0.000	0.000	0.000	0.000	0.072	**0.074**	**0.133**
07- Dec -11	0.000	0.003	0.002	0.000	0.000	0.000	0.000	0.085	**0.092**	**0.092**
08- Dec -11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.048	**0.048**	**0.842**
09- Dec -11	0.036	0.000	0.000	0.000	0.000	0.000	0.000	0.076	**0.112**	**0.376**
10- Dec -11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.076	**0.076**	**0.197**
11- Dec -11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.077	**0.077**	**0.077**
12- Dec -11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.073	**0.073**	**0.073**
13- Dec -11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.077	**0.106**	**0.106**
14- Dec -11	0.000	0.000	0.004	0.000	0.000	0.000	0.000	0.065	**0.069**	**0.232**
15- Dec -11	0.000	0.004	0.000	0.000	0.000	0.000	0.000	0.041	**0.047**	**0.958**
16- Dec -11	0.018	0.000	0.004	0.000	0.000	0.000	0.000	0.092	**0.119**	**0.896**
17- Dec -11	0.000	0.000	0.060	0.000	0.000	0.000	0.000	0.082	**0.142**	**1.464**
18- Dec -11	0.002	0.000	0.000	0.000	0.000	0.000	0.000	0.077	**0.079**	**0.079**
19- Dec -11	0.015	0.020	0.006	0.000	0.038	0.000	0.000	0.089	**0.219**	**0.306**
20- Dec -11	0.000	0.000	0.016	0.000	0.000	0.000	0.000	0.081	**0.305**	**0.332**
21- Dec -11	0.000	0.000	0.020	0.000	0.000	0.000	0.000	0.083	**0.106**	**0.445**
22- Dec -11	0.000	0.030	0.012	0.000	0.000	0.000	0.000	0.083	**0.125**	**0.198**
23- Dec -11	0.000	0.016	0.000	0.000	0.000	0.000	0.000	0.095	**0.123**	**0.439**
24- Dec -11	0.000	0.003	0.055	0.000	0.000	0.000	0.000	0.089	**0.164**	**1.000**
25- Dec -11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.082	**0.082**	**0.326**
26- Dec -11	0.000	0.003	0.002	0.000	0.000	0.000	0.000	0.088	**0.146**	**0.728**
27- Dec -11	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.090	**0.107**	**0.361**
28- Dec -11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.086	**0.150**	**0.234**
29 Dec -11	0.000	0.000	0.002	0.000	0.000	0.000	0.000	0.073	**0.083**	**0.192**
30- Dec -11	0.000	0.010	0.004	0.000	0.000	0.000	0.000	0.077	**0.187**	**1.638**
	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.036	**0.099**	**0.400**
Total	**0.159**	**0.092**	**0.221**	**0.000**	0.038	**0.000**	**0.000**	**2.184**	**3.339**	**12.944**

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-Dec-11	56.497	**3075**	18:27:40	0	**3075**	**3075**	18:27:40	**3075**	0
02- Dec -11	56.231	**3105**	18:20:03	0	**3105**	**3105**	18:20:03	**3105**	0
03- Dec-11	55.655	**2936**	18:39:42	2	**2938**	**2938**	18:39:42	**2936**	2
04- Dec-11	50.730	**2819**	10:04:01	2	**2821**	**2821**	10:04:01	**2819**	2
05- Dec -11	51.676	**3005**	18:22:15	0	**3005**	**3005**	18:22:15	**3005**	0
06- Dec -11	53.330	**2994**	10:35:15	0	**2994**	**2994**	10:35:15	**2994**	0
07- Dec -11	55.148	**3185**	18:56:14	2	**3187**	**3187**	18:56:14	**3185**	2
08- Dec -11	55.244	**3069**	19:22:10	17	**3086**	**3086**	19:22:10	**3069**	17
09- Dec -11	57.102	**3091**	19:02:48	11	**3102**	**3105**	18:00	**3033**	72
10- Dec -11	54.627	**2969**	18:22:03	0	**2969**	**2969**	18:22:03	**2969**	0
11- Dec -11	52.090	**3054**	09:51:10	0	**3054**	**3054**	09:51:10	**3054**	0
12- Dec -11	55.159	**3065**	18:19:07	0	**3065**	**3065**	18:19:07	**3065**	0
13- Dec -11	52.316	**3091**	18:45:18	2	**3093**	**3093**	18:45:18	**3091**	2
14- Dec -11	54.092	**3136**	18:33:55	0	**3136**	**3136**	18:33:55	**3136**	0
15- Dec -11	56.499	**3203**	18:16:04	0	**3203**	**3203**	18:16:04	**3203**	0
16- Dec -11	56.983	**3237**	18:39:43	2	**3239**	**3239**	18:39:43	**3237**	2
17- Dec -11	56.412	**3075**	18:33:19	0	**3075**	**3196**	18:17:00	**3010**	186
18- Dec -11	54.638	**3206**	10:22:00	1	**3207**	**3207**	10:22:00	**3206**	1
19- Dec -11	57.372	**3303**	10:02:58	0	**3303**	**3303**	10:02:58	**3303**	0
20- Dec -11	57.267	**3298**	10:11:19	0	**3298**	**3298**	10:11:19	**3298**	0
21- Dec -11	60.258	**3410**	10:15:14	48	**3458**	**3458**	10:15:14	**3410**	48
22- Dec -11	60.612	**3423**	10:07	0	**3423**	**3423**	10:07	**3423**	0
23- Dec -11	61.765	**3516**	10:29:35	58	**3574**	**3574**	10:29:35	**3516**	58
24- Dec -11	56.390	**3346**	18:17:44	6	**3352**	**3447**	10:00	**3169**	278
25- Dec -11	56.764	**3370**	10:02:43	14	**3384**	**3384**	10:02:43	**3370**	14
26- Dec -11	58.336	**3552**	09:35:29	169	**3721**	**3731**	10:00	**3509**	222
27- Dec -11	61.827	**3586**	10:33:05	28	**3614**	**3614**	10:33:05	**3586**	28
28- Dec -11	66.505	**3596**	09:58:00	56	**3652**	**3652**	09:58:00	**3596**	56
29 Dec -11	65.813	**3619**	10:18:47	0	**3619**	**3619**	10:18:47	**3619**	0
30- Dec -11	63.315	**3597**	10:43:31	82	**3679**	**3679**	10:43:31	**3597**	82
	59.499	**3429**	10:41:16	78	**3507**	**3507**	10:41:16	**3429**	78
Total	**1770.152**	**3619** **29.12.2011**	**10.18.47**	0	**3731**	**3731** **26.12.2011**	**10.00.00**	**3731**	0

10 LOAD PATTERN OF DELHI ON THE DAY OF PEAK DEMAND MET DURING DECEMBER 2011 ON 29.12.2011- 3619MW at 10.18.47HRS.

All figures in MW

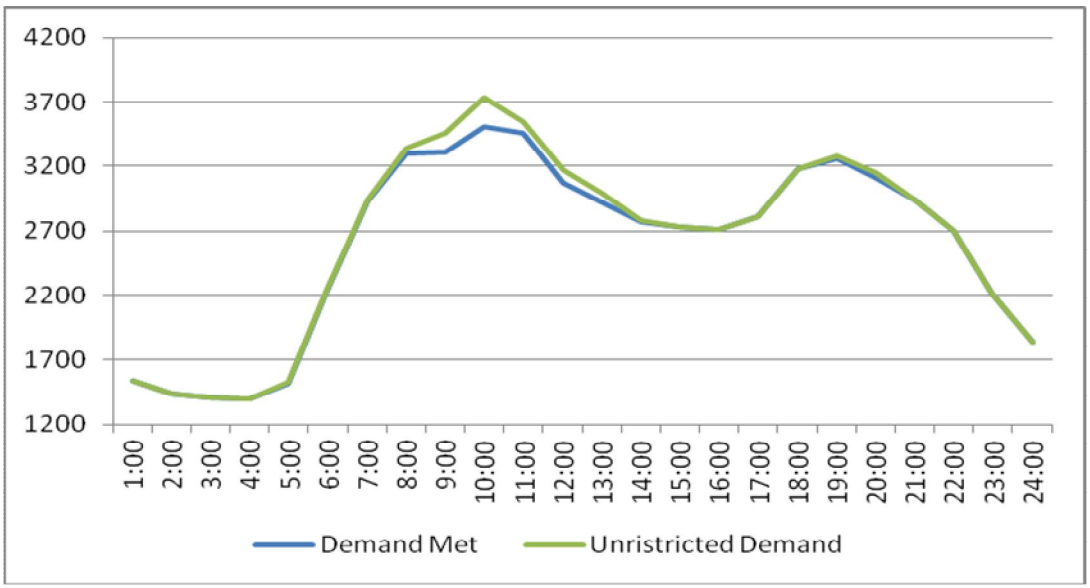
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1:00	1585	0	1585
2:00	1481	0	1481
3:00	1426	0	1426
4:00	1435	0	1435
5:00	1578	0	1578
6:00	2091	0	2091
7:00	2745	1	2746
8:00	3196	30	3226
9:00	3236	132	3368
10:00	3537	0	3537
10.18.47	3619	0	3619
11:00	3619	0	3619
12:00	3450	0	3450
13:00	3228	0	3228
14:00	2974	0	2974
15:00	2768	0	2768
16:00	2666	0	2666
17:00	2705	0	2705
18:00	2866	0	2866
18:51	3267	0	3267
19:00	3323	13	3336
20:00	3126	29	3155
21:00	2894	0	2894
22:00	2655	0	2655
23:00	2289	0	2289
24:00	1869	0	1869
ENERGY IN MUS	**65.813**	**0.192**	**66.005**



11 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UN-RESTRICTED DEMAND DURING DECEMBER 2011 ON 26.12.2011-3731MW at 10.00HRS.

All figures in MW

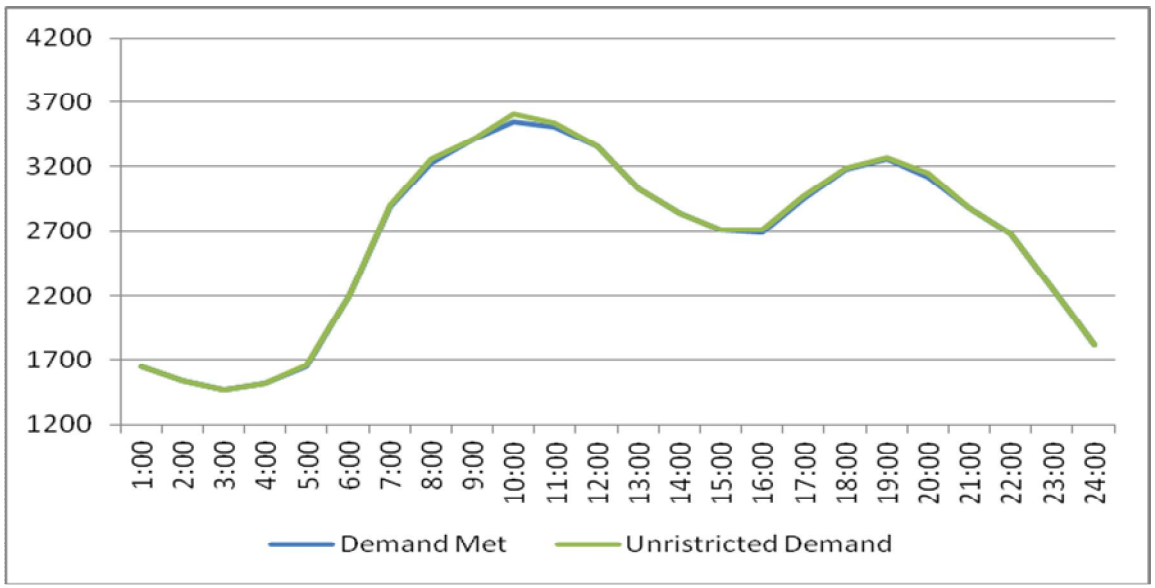
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1:00	1537	0	1537
2:00	1443	0	1443
3:00	1410	0	1410
4:00	1399	5	1404
5:00	1524	5	1529
6:00	2269	5	2274
7:00	2933	5	2938
8:00	3295	46	3341
9:00	3310	148	3458
10:00	3509	222	3731
11:00	3458	83	3541
12:00	3074	99	3173
13:00	2917	72	2989
14:00	2776	9	2785
15:00	2735	0	2735
16:00	2714	0	2714
17:00	2812	0	2812
18:00	3177	0	3177
19:00	3257	18	3275
20:00	3111	37	3148
21:00	2943	0	2943
22:00	2705	0	2705
23:00	2209	0	2209
24:00	1836	0	1836
ENERGY IN MUS	**58.336**	**0.728**	**59.064**



12 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM ENERGY CONSUMED DURING DECEMBER 2011 – 28.12.2011 – 66.505 Mus

All figures in MW

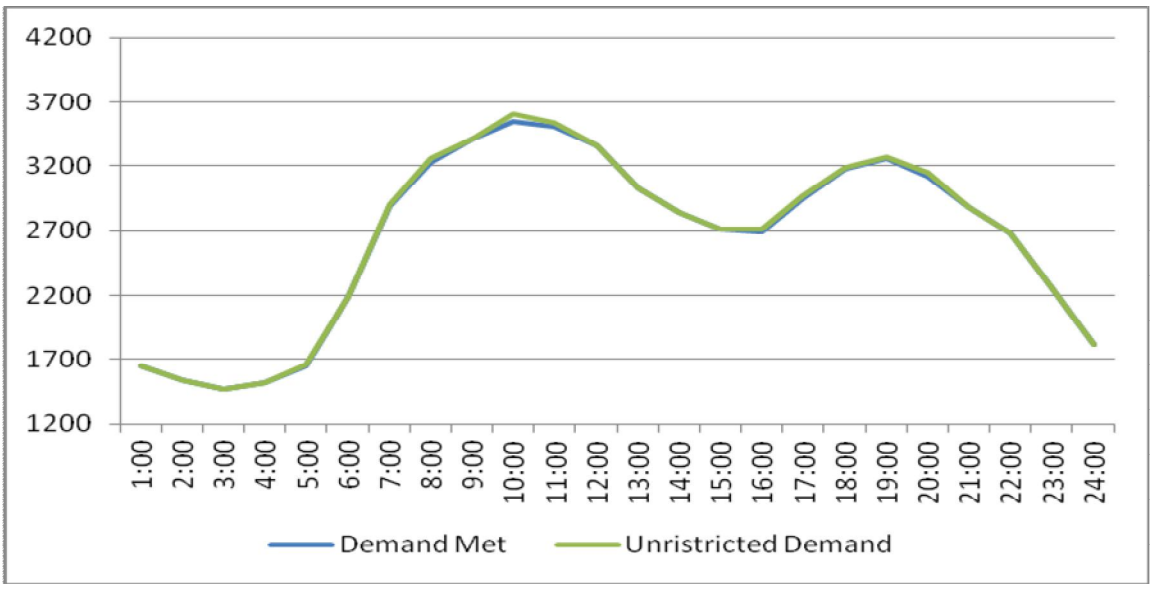
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1:00	1654	0	1654
2:00	1537	0	1537
3:00	1473	0	1473
4:00	1519	0	1519
5:00	1652	5	1657
6:00	2194	5	2199
7:00	2893	8	2901
8:00	3224	32	3256
9:00	3407	0	3407
10:00	3550	56	3606
11:00	3508	28	3536
12:00	3354	0	3354
13:00	3031	0	3031
14:00	2841	0	2841
15:00	2708	0	2708
16:00	2693	18	2711
17:00	2947	18	2965
18:00	3175	18	3193
19:00	3262	2	3264
20:00	3114	37	3151
21:00	2883	0	2883
22:00	2684	0	2684
23:00	2262	0	2262
24:00	1821	0	1821
ENERGY IN MUS	**66.505**	**0.234**	**66.739**



13 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UNRESTRICTED ENERGY DEMAND DURING DECEMBER 2011 – 28.12.2011 – 66.739 Mus

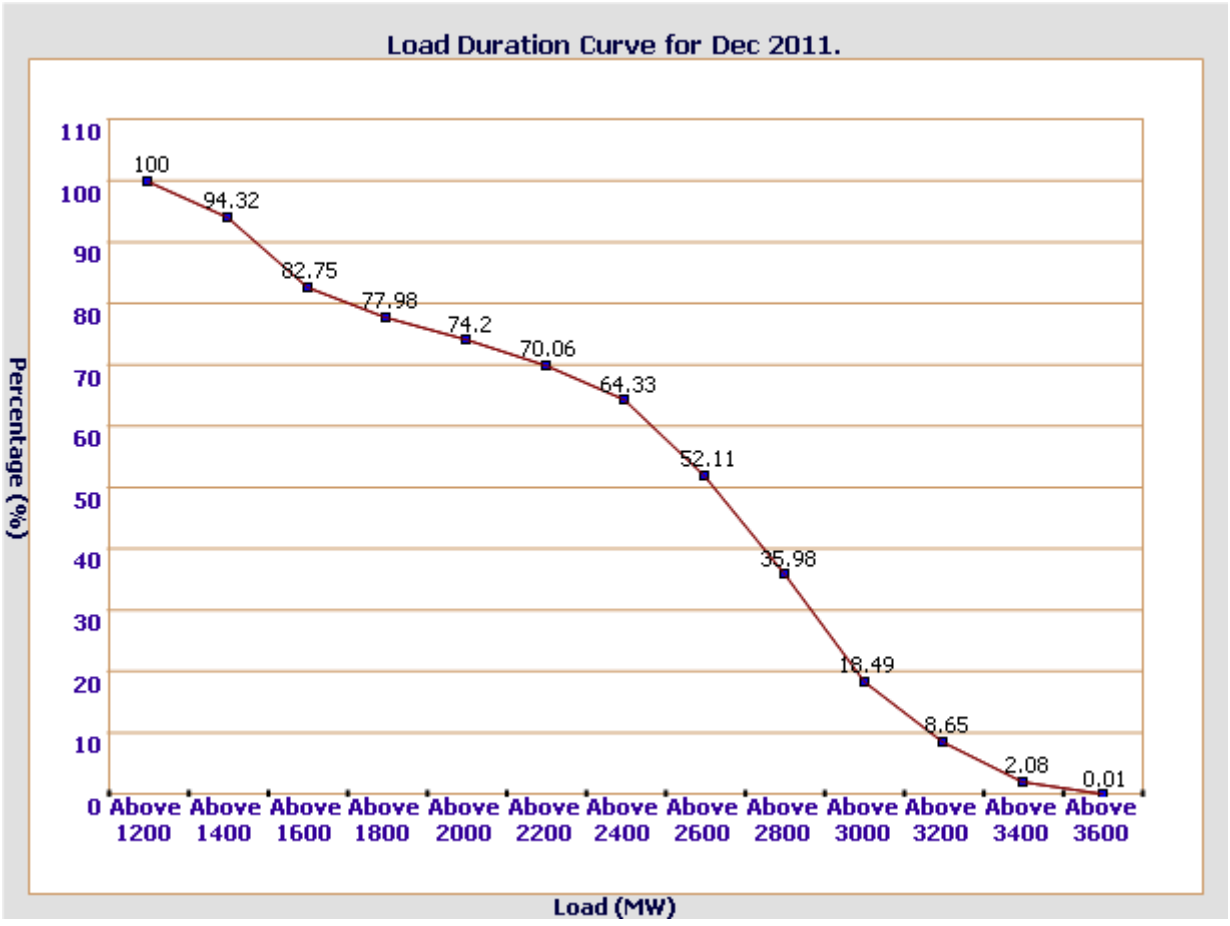
All figures in MW

Hrs.	Demand	Load Shedding	Un-Restricted Demand
1:00	1654	0	1654
2:00	1537	0	1537
3:00	1473	0	1473
4:00	1519	0	1519
5:00	1652	5	1657
6:00	2194	5	2199
7:00	2893	8	2901
8:00	3224	32	3256
9:00	3407	0	3407
10:00	3550	56	3606
11:00	3508	28	3536
12:00	3354	0	3354
13:00	3031	0	3031
14:00	2841	0	2841
15:00	2708	0	2708
16:00	2693	18	2711
17:00	2947	18	2965
18:00	3175	18	3193
19:00	3262	2	3264
20:00	3114	37	3151
21:00	2883	0	2883
22:00	2684	0	2684
23:00	2262	0	2262
24:00	1821	0	1821
ENERGY IN MUS	**66.505**	**0.234**	**66.739**



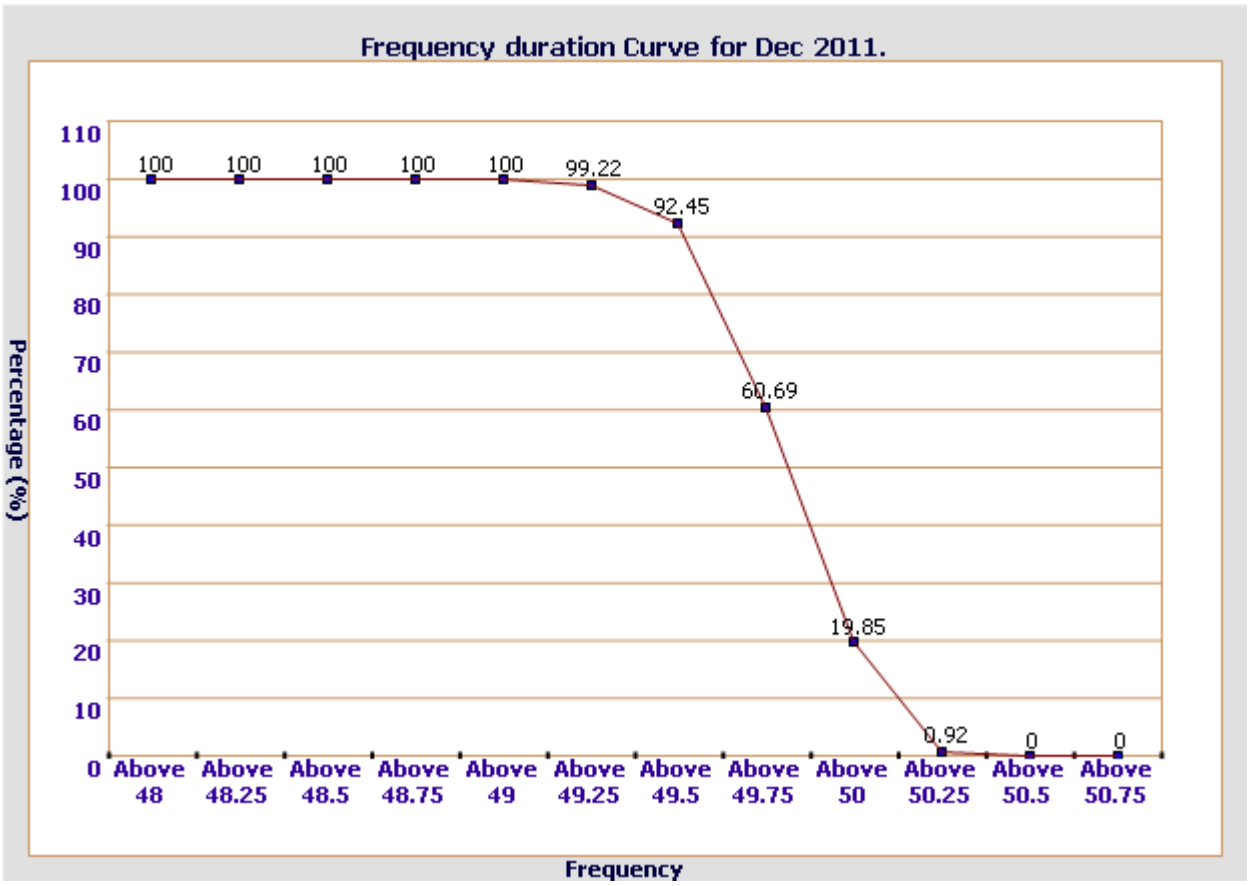
14 LOAD DURATION CURVE FOR DECEMBER 2011

Load in MW	Percentage of Time
Above 1200	100 %
Above 1400	94.32 %
Above 1600	82.75 %
Above 1800	77.98 %
Above 2000	74.2 %
Above 2200	70.06 %
Above 2400	64.33 %
Above 2600	52.11 %
Above 2800	35.98 %
Above 3000	18.49 %
Above 3200	8.65 %
Above 3400	2.08 %
Above 3600	0.01 %



15 FREQUENCY ANALYSIS FOR THE MONTH OF DECEMBER 2011

Frequency Range in Hz.	Percentage of time
Above 49	100 %
Above 49.25	99.22 %
Above 49.5	92.45 %
Above 49.75	60.69 %
Above 50	19.85 %
Above 50.25	0.92 %
Above 50.5	0 %



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

All figures in kV

Date	NARELA		GAZIPUR	
	Max	Min	Max	Min
01-Dec-11	--	--	--	--
02- Dec -11	--	--	--	--
03- Dec-11	--	--	--	--
04- Dec-11	--	--	--	--
05- Dec -11	--	--	--	--
06- Dec -11	--	--	--	--
07- Dec -11	--	--	--	--
08- Dec -11	236.66	219.25	233.05	--
09- Dec -11	237.82	219.89	233.43	216.67
10- Dec -11	235.89	213.06	230.60	213.44
11- Dec -11	237.05	221.18	232.53	215.25
12- Dec -11	235.11	219.12	230.73	218.99
13- Dec -11	228.92	216.02	232.66	217.57
14- Dec -11	236.46	220.92	232.15	217.83
15- Dec -11	238.34	218.86	232.02	218.86
16- Dec -11	--	--	--	--
17- Dec -11	--	--	--	--
18- Dec -11	--	--	--	--
19- Dec -11	--	--	--	--
20- Dec -11	237.82	--	233.825	--
21- Dec -11	237.30	221.18	232.15	216.93
22- Dec -11	--	--	--	--
23- Dec -11	--	--	--	--
24- Dec -11	--	--	--	--
25- Dec -11	--	--	--	--
26- Dec -11	236.40	223.12	232.40	218.60
27- Dec -11	235.89	--	230.47	217.83
28- Dec -11	235.24	222.47	230.21	215.17
29 Dec -11	237.05	214.35	230.73	215.38
30- Dec -11	238.59	216.02	231.24	--
31- Dec -11	238.59	219.25	233.18	216.67

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

All figures in kV

Date	400kV Bamnauli Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01-Dec-11	--	--	--	--	--
02- Dec -11	--	--	--	--	--
03- Dec-11	--	--	--	--	--
04- Dec-11	--	--	--	--	--
05- Dec -11	--	--	--	--	--
06- Dec -11	--	--	--	--	--
07- Dec -11	--	--	--	--	--
08- Dec -11	419.03	03.08.18	393.24	10.48.28	402.77
09- Dec -11	421.38	04.03.31	392.77	11.48.42	406.07
10- Dec -11	415.98	20.28.00	386.44	11.53.18	403.57
11- Dec -11	419.03	04.05.49	398.16	11.48.26	409.14
12- Dec -11	419.74	03.18.53	399.10	11.53.24	408.48
13- Dec -11	419.50	03.33.31	397.46	14.11.40	408.20
14- Dec -11	419.03	04.03.12	398.16	11.32.49	407.99
15- Dec -11	420.44	04.03.21	399.34	16.45.18	408.97
16- Dec -11	--	--	--	--	--
17- Dec -11	--	--	--	--	--
18- Dec -11	--	--	--	--	--
19- Dec -11	--	--	--	--	--
20- Dec -11	420.44	04.07.56	384.09	13.31.23	401.58
21- Dec -11	418.10	04.02.29	394.65	11.12.48	407.42
22- Dec -11	--	--	--	--	--
23- Dec -11	--	--	--	--	--
24- Dec -11	--	--	--	--	--
25- Dec -11	--	--	--	--	--
26- Dec -11	418.56	04.06.29	399.34	12.06.19	407.99
27- Dec -11	416.92	20.54.55	396.99	14.25.39	406.14
28- Dec -11	415.05	--	392.07	15.45.24	403.96
29 Dec -11	415.52	02.53.36	389.02	14.49.05	402.85
30- Dec -11	417.86	05.05.20	391.60	14.30.48	404.39
31- Dec -11	417.16	04.04.39	393.71	11.11.38	405.38

Date	400kV Bawana Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01-Dec-11	--	--	--	--	--
02- Dec -11	--	--	--	--	--
03- Dec-11	--	--	--	--	--
04- Dec-11	--	--	--	--	--
05- Dec -11	--	--	--	--	--
06- Dec -11	--	--	--	--	--
07- Dec -11	--	--	--	--	--
08- Dec -11	422.08	03.08.28	397.46	09.43.33	406.78
09- Dec -11	423.96	04.02.41	396.29	11.48.42	409.44
10- Dec -11	420.67	20.28.00	390.19	11.58.19	407.02
11- Dec -11	421.38	04.04.09	401.68	11.46.26	412.48
12- Dec -11	421.85	02.29.50	401.92	11.53.24	411.38
13- Dec -11	421.61	03.336.11	400.51	14.11.30	411.10
14- Dec -11	420.91	04.03.22	400.98	11.32.29	410.84
15- Dec -11	422.08	04.03.01	402.15	16.46.28	411.71
16- Dec -11	--	--	--	--	--
17- Dec -11	--	--	--	--	--
18- Dec -11	--	--	--	--	--
19- Dec -11	--	--	--	--	--
20- Dec -11	424.90	04.07.56	391.13	14.16.06	406.66
21- Dec -11	422.55	04.02.49	399.57	11.11.27	412.21
22- Dec -11	--	--	--	--	--
23- Dec -11	--	--	--	--	--
24- Dec -11	--	--	--	--	--
25- Dec -11	--	--	--	--	--
26- Dec -11	421.85	04.08.40	403.09	15.12.00	410.87
27- Dec -11	421.38	20.55.05	399.57	14.21.39	408.99
28- Dec -11	418.56	--	396.99	--	408.35
29 Dec -11	419.74	02.53.46	393.94	14.45.26	407.36
30- Dec -11	421.38	05.05.20	396.29	14.31.08	409.07
31- Dec -11	420.91	04.04.29	398.40	11.13.08	409.93

18 DETAILS OF LUMPED CAPACITORS AT NEAREST 220 KV SUBSTATION

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

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

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

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

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

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

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

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
01	01.12.11	02.14	220/66KV 100MVA PR. TR.-II AT SARITA VIHAR	01.12.11	05.41	TR. TRIPPED ON OVER FLUX ALONG WITH 66KV I/C-II WHICH TRIPPED ON 95C, 86.
02	04.12.11	08.22	220KV MANDOLA – NARELA CKT-I & II	04.12.11	10.34	BOTH CKT. TRIPPED ON SPS AT MANDOLA. NO TRIPPING AT NARELA
03	05.12.11	14.43	220/66KV 100MVA PR. TR .-I AT PAPPANKALAN-II	05.12.11	15.20	TR. TRIPPED ON O/C, E/F ALONG WITH 66KV I/C-I WHICH TRIPPED ON LBB PROTECTION.
04	05.12.11	17.24	220/33KV 100MVA PR. TR.-I AT PARK STREET	05.12.11	19.00	TR. TRIPPED DUE TO FLASH ON 33KV CT OF NIRMAN VIHAR CKT.
05	06.12.11	13.57	400KV BAWANA – HISSAR CKT.	06.12.11	14.11	CKT. TRIPPED ON CB AUTO TRIP, DIRECT TRIP, 186, MAIN-I : ANZONE-I, MAIN-II, DIST PROT ABC PHASE, 86, C2A2, 186 AT BAWANA.
06	07.12.11	03.25	220/33KV 100MVA PR. TR.-I AT PARK STREET	07.12.11	20.00	TR. TRIPPED ON DIFFERENTIAL PROT REF, 86A&B, 64RLV, E/F ALONG WITH 33KV I/C-I WHICH TRIPPED ON INTER TRIPPING.
07	07.12.11	03.56	220KV MANDOLA – NARELA CKT-I	07.12.11	04.05	CKT. TRIPPED ON DIST PROT `B' PH. ZONE-II, 86RYB, 186AB AT MANDOLA AND ON DIST PROT `C' PH ZONE-I, 186 AT NARELA
08	07.12.11	03.47	220KV LODHI ROAD – MAHARANI BAGH CKT-I	07.12.11	04.50	CKT. TRIPPED ON DIST PROT L-1, E/F AT MAHARANI BAGH. NO TRIPPING AT LODHI ROAD.
09	07.12.11	04.56	220KV NARELA – DSIDC CKT-I	07.12.11	05.05	CKT. TRIPPED ON DIST PROT `C' PHASE, 186 AT DSIDC.
10	07.12.11	05.00	220KV PATPARGANJ – IP CKT-II	07.12.11	17.40	CKT. TRIPPED ON DIST PROT `ABC' PHASE AT IP AND ON DIST PROT `C' PHASE, 186 AT PATPARGANJ.
11	09.12.11	22.46	220KV PANIPAT – NARELA CKT-II	10.12.11	11.11	CKT. TRIPPED ON DIST PROT `ABC' PHASE ZONE-I AT NARELA. DETAILS OF PANIPAT END ARE NOT AVAILABLE
12	10.12.11	00.14	220KV PANIPAT – NARELA CKT-III	15.12.11	19.06	CKT. TRIPPED ON DIST PROT `ABC' PHASE AT NARELA. DETAILS OF PANIPAT END ARE NOT AVAILABLE
13	10.12.11	04.55	400KV BAWANA – ABDULLAPUR CKT-I	10.12.11	05.30	CB-1152 OF THE CKT TRIPPED ON 186A&B, 2/AA AND CB-1252 ON 86AB, 2/AA2, 52X4 (POLE DISCREPANCY), ZONE-I AT BAWANA. DETAILS OF ABDULLAPUR END ARE NOT AVAILABLE
14	10.12.11	06.11	400KV BAWANA – ABDULLAPUR CKT-I	10.12.11	10.02	CB-1152 OF THE CKT TRIPPED ON 186A&B, 2/AA AND CB-1252 ON 86AB, 2/AA2, 52X4 (POLE DISCREPANCY), ZONE-I AT BAWANA. DETAILS OF ABDULLAPUR END ARE NOT AVAILABLE
15	10.12.11	12.41	400/220KV 315MVA ICT-IV AT MUNDKA	10.12.11	18.02	BOTH CB OF ICT TRIPPED ON 86A, 86B.
16	11.12.11	19.47	400/220KV 315MVA ICT-IV AT MUNDKA	11.12.11	21.35	TR. TRIPPED ON 86, 86
17	11.12.11	19.47	220/66KV 160MVA PR. TR. AT MUNDKA	11.12.11	21.39	TR. TRIPPED ON 86 ALONG WITH 66KV I/C WHICH ALSO TRIPPED ON SAME INDICATION.
18	12.12.11	03.15	220/66KV 100MVA PR. TR.-II AT NARELA	12.12.11	06.22	TR. TRIPPED ON 87 A&C PHASE,

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
19	12.12.11	06.05	220/66KV 100MVA PR. TR.-I AT SARITA VIHAR	12.12.11	13.30	TR. TRIPPED ON 30A, BUCHLOZ ALONG WITH ITS 66KV I/C-I WHICH TRIPPED WITHOUT INDICATION.
20	12.12.11	16.26	400KV BAWANA – HISSAR CKT.	12.12.11	16.44	CKT. TRIPPED ON 86A2, ABC PHASE, 86C2, ABC, 186A&B. INDICATIONS OF HISSAR END ARE NOT AVAILABLE.
21	13.12.11	03.06	400KV BAWANA – ABDULLAPUR CKT-I	13.12.11	03.25	CB-1152 OF THE CKT. TRIPPED ON 2/AA AND CB-1252 TRIPPED ON 2/AA1, 186A&B, 52XA, POLE DISCREPANCY, DIST PROT `B' PHASE ZONE-I AT BAWANA.
22	13.12.11	19.17	220KV BTPS – OKHLA CKT-I	13.12.11	22.10	CKT. TRIPPED ON 86, 86T, AUTO RECLOSE AT OKHLA.
23	14.12.11	16.05	66/33KV 30MVA PR. TR.-II AT PARK STREET	14.12.11	19.20	TR. TRIPPED ON 30ABCDEF, 30GHIJKL
24	15.12.11	15.03	220KV GOPALPUR – SUBZI MANDI CKT-II	15.12.11	16.05	CKT. TRIPPED ON DIST PROT `Y&B' PHASE ZONE-I AT GOPALPUR
25	15.12.11	15.36	220KV MAHARANI BAGH – PRAGATI CKT	15.12.11	15.50	CKT. TRIPPED ON POLE DISCREPANCY AT MAHARANI BAGH. NO TRIPPING AT PRAGATI
26	19.12.11	12.11	220KV BTPS – NOIDA – GAZIPUR CKT.	19.12.11	16.15	CKT. TRIPPED ON 186 AT BTPS. NO TRIPPING AT GAZIPUR
27	19.12.11	22.38	220KV PANIPAT – NARELA CKT-I	19.12.11	23.02	CKT. TRIPPED ON DIST PROT `ABC' PHASE ZONE-I AT NARELA.
28	20.12.11	02.42	VARIOUS TRIPPINGS IN DTL SYSTEM			DETAILED REPORT ENCLOSED
29	21.12.11	04.10	220KV WAZIRABAD – MANDOLA CKT. –II	21.12.11	16.48	CKT. TRIPPED ON DIST. PROT. 'ABC' PHASE AT MANDOLA : 'R' PHASE ZONE-I, INSULATOR DISC FOUND PUNCHER AT TOWER NO. -12
30	21.12.11	07.34	220KV NARELA – ROHTAK ROAD CKT. –I	21.12.11	07.42	DIST. PROT. ZONE-I 'ABC' PHASE 186 NO TRIPPING AT ROHTAK ROAD
31	22.12.11	17.33	220KV LODHI ROAD – MAHARANI BAGH CKT-I	22.12.11	20.20	CKT. TRIPPED ON DIST PROT `C' PHASE AT MAHARANI BAGH. NO TRIPPING AT LODHI ROAD
32	23.12.11	05.06	220KV BAWANA – NAJAFGARH CKT	23.12.11	07.00	CKT. TRIPPED ON 186 AT NAJAFGARH AND ON DIST PROT `A' PH. ZONE-I AT BAWANA.
33	23.12.11	07.07	220KV BAWANA – ROHINI CKT-II	23.12.11	15.36	CKT. TRIPPED ON DIST PROT `C' PHASE ZONE-I AT BAWANA. NO TRIPPING
34	23.12.11	07.10	220KV MANDOLA – NARELA CKT-II	23.12.11	21.18	CKT. TRIPPED ON DIST PROT `A' PHASE ZONE-I AT MANDOLA AND ON DIST PROT `ABC' PHASE ZONE-II AT NARELA
35	23.12.11	07.11	220KV BAWANA – NAJAFGARH CKT.	23.12.11	14.10	CKT. TRIPPED ON DIST PROT `A' PHASE, 21XR1, 21XY1, 21XB1 AT BAWANA. NO TRIPPING AT NAJAFGARH.
36	23.12.11	09.52	220KV MANDOLA – NARELA CKT-I	23.12.11	16.59	CKT. TRIPPED ON DIST PROT `Y' PHASE AT MANDOLA. NO TRIPPING AT NARELA AT NARELA : 'Y' PHASE JUMPER OF DEAD END TOWER SNAPPED AT MANDOLA
37	24.12.11	07.35	66/11KV 20MVA PR. TR.-I AT VASANT KUNJ	24.12.11	12.48	TR. TRIPPED ON 30D, OLTC, 86
38	24.12.11	22.29	220KV BAWANA – ROHINI CKT-II	25.12.11	15.01	CKT. TRIPPED ON 195CA, 195CB, 295CC, TRIP CIRCUIT FAULTY AT ROHINI.
39	25.12.11	18.13	400KV MUNDKA – BAWANA CKT-I	25.12.11	18.29	CN-252 OF THE CKT. TRIPPED ON 186AB, 80D AT BAWANA.

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
40	25.12.11	03.40	66/11KV 20MVA PR. TR.-III AT NAJAFGARH	25.12.11	13.15	TR. TRIPPED ON 86, 64RLV
41	25.12.11	16.33	220KV PRAGATI – SARITA VIHAR CKT.	25.12.11	17.40	CKT. TRIPPED ON DIST PROT `C' PHASE ZONE-I AT SARITA VIHAR AND ON DIST PROT `ABC' PH. ZONE-II AT PRAGATI
42	27.12.11	17.35	220/66KV 100MVA PR. TR-II AT VASANT KUNJ	27.12.11	19.45	TR. TRIPPED ON 86, 30ABC, WINDING TEMP ALARM ALONG WITH 66KV I/C-II WHICH TRIPPED ON 86
43	28.12.11	02.51	220/66KV 100MVA PR. TR -III AT PAPPANKALAN-I	28.12.11	10.40	TR. TRIPPED ON GENERAL TRIP PROTECTION, 96, CB AUTO TRIP.
44	28.12.11	04.10	66/11KV 20MVA PR. TR.-III AT NAJAFGARH	28.12.11	08.55	TR. TRIPPED ON 86, 64RLV
45	28.12.11	09.08	220/66KV 100MVA PR. TR.-II AT VASANT KUNJ	28.12.11	13.30	TR. TRIPPED ON 30B, WINDING TEMP. 86 ALONG WITH 66KV I/C-II WHICH TRIPPED ON 86
46	28.12.11	15.30	66/11KV 20MVA PR. TR.-III AT NAJAFGARH	28.12.11	18.05	TR. TRIPPED ON 86, 64RLV
47	30.12.11	04.52	220KV KANJHAWALA – NAJAFGARH CKT.	30.12.11	12.20	CKT.TRIPPED ON DIST PROT `ABC' PHASE ZONE-I AT NAJAFGARH.
48	30.12.11	05.10	220KV BAWANA – NAJAFGARH CKT	30.12.11	05.20	CKT. TRIPPED ON DIST PROT `A' PHASE ZONE-I AT BAWANA AND ON DIST PROT `B' PHASE ZONE-I, 186 AT NAJAFGARH.
49	30.12.11	07.21	220KV BAWANA – NAJAFGARH CKT	30.12.11	19.19	SHUTDOWN FOR PETROLLING THE CKT. BY LINE MTC. STAFF
50	30.12.11	07.06	220KV BAWANA – ROHINI CKT-I	30.12.11	07.15	CKT. TRIPPED ON DIST PROT `A' PHASE AT BAWANA AND ON DIST PROT `A' PHASE, 21A, 186A&B AT ROHINI.
51	30.12.11	07.28	220KV BAWANA – ROHINI CKT-I	30.12.11	19.16	CKT. TRIPPED ON DIST PROT `C' PHASE, 186A&B AT BAWANA
52	30.12.11	07.51	220KV BAWANA – KANJHAWALA CKT.	30.12.11	07.57	CKT. TRIPPED ON DIST PROT `C' PHASE ZONE-I AT BAWANA. NO TRIPPING AT KANJHAWALA
53	31.12.11	00.20	220KV BAMNAULI – NARAINA CKT-II	31.12.11	00.44	CKT. TRIPPED ON DIST PROT, AUTO RECLOSE LOCK OUT, 86BC AT NARAINA. NO TRIPPING AT BAMNAULI
54	31.12.11	00.25	220/66KV 160MVA PR. TR. AT RIDGE VALLEY	31.12.11	18.12	TR. TRIPPED ON 86A, 86B, OLTC BUCHLOZ.
55	31.12.11	04.12	220KV BAWANA – NAJAFGARH CKT.	31.12.11	09.43	CKT. TRIPPED ON DIST PROT RYB PHASE AT BAWANA
56	31.12.11	04.51	220KV BAWANA – KANJHAWALA CKT.	31.12.11	04.59	CKT. TRIPPED ON DIST PROT `C' PHASE ZONE-I AT BAWANA. NO TRIPPING AT KANJHAWALA.
57	31.12.11	07.13	220KV BAWANA – KANJHAWALA CKT.	31.12.11	08.18	CKT. TRIPPED ON DIST PROT `C' PHASE ZONE-I AT BAWANA. NO TRIPPING AT KANJHAWALA.
58	31.12.11	07.35	22/66KV 100MVA PR. TR-II AT KANJHAWALA	31.12.11	10.00	TR. TRIPPED ON LOW GAS PRESSURE.
59	31.12.11	07.57	400/220KV 315MVA ICT-IV AT BAMNAULI	31.12.11	13.06	ICT TRIPPED ON 186A&B, TRIP CKT. SUPERVISION `A' PHASE, 195, TRIP RELAY GROUP-B, 86B
60	31.12.11	10.00	66/11KV 20MVA PR. TR.-III AT NAJAFGARH	31.12.11	16.15	TR. TRIPPED ON 64RLV, 86, HV LV REF RELAY

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

DATE	S. N.	TIME		Name of Grid	NAME OF AFFECTED FEEDERS	LOAD RELIEF IN MW
		OUT	IN			
05.12.2011	1	22.00	22.32	RPH 220kV	33kV BAY NO. 190 & 20 KAMLA MARKET	15
	2	22.00	22.15		33kV BAY NO. 17 MINTO ROAD	9
	3	22.00	22.12		33kV BAY NO. 18 TOWN HALL	6
	4	22.00	22.32		33kV BAY NO. 16 FOUNTAIN	1
	5	22.00	22.10		33kV BAY NO. 13 G.B.PANT	5
	6	22.00	22.27		33kV BAY NO. 5 & 6 JAMA MASJID	11
	7	22.00	22.22		33kV BAY NO. 12 I.G.STADIUM	1
	8	22.00	22.17		33kV BAY NO. 2 LAHORI GATE	6
	9	22.00	22.18		33kV BAY NO. 1 MOTIA KHAN	8
	10	22.00	22.17	PAPTARGANJ 220kV	66kV VIVEK VIHARCKT.	14
	11	22.00	22.20		33kV PREET VIHAR CKT.	12
	12	22.00	22.23		33kV GROUP HOUSING –I CKT.	16
	13	22.00	22.18		33kV CBD SHAHDRA –I CKT.	14
	14	22.00	22.18		33kV GURU ANGAD NAGAR CKT.	15
	15	22.00	23.05	I.P.STN.	33kV BAY (KILOKRI)	3
	16	21.55	22.02		33kV BAY NO. (DEFENCE COLONY)	12