DELHI TRANSCO LTD.

STATE LOAD DISPATCH CENTER

PROGRESS REPORT

****

MARCH 2012

1 **SALIENT FEATURES OF DELHI POWER SYSTEM**

Sr. No.	Features	MARCH 2012	MARCH 2011
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)**	**3316**	**3418**
	Date	30.03.2012	29.03.2011
	Time	19.34.22	19.25.18
3	**Peak Demand met (MW)**	**3316**	**3412**
	Date	30.03.2012	29.03.2012
	Time	19.34.22	19.25.18
4	Peak Availability (MW)	3263	3286
5	Shortage (-) / Surplus (+) in MW	(-)53	(-)126
6	Percentage Shortage (-) / Surplus (+)	(-)1.60	(-)3.69
7	Maximum Energy Consume in a day (Mus)	62.776	62.131
8	Energy Consumed during the month	**1716.022**	**1670.025**
9	**Load Shedding in Mus**		
A)	Due to Grid Restrictions		
i)	Under Frequency Relay Operations	0.000	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	0.042	0.230
	BRPL	0.201	0.097
	BYPL	0.000	0.000
	NDMC	0.000	0.000
	MES	0.000	0.000
iv)	Due to transmission Constraints in Central Sector	0.000	0.000
	Total due to Grid Restriction	**0.243**	**0.327**
B)	Due to Constraints in System in Mus		
	DTL	0.350	0.532
	NDPL	0.255	0.258
	BRPL	0.077	0.258
	BYPL	0.706	0.150
	NDMC	0.000	0.000
	MES	0.000	0.000
	Other Agencies	0.059	0.000
	Total	**1.447**	**1.198**
11	**Grand Total in Mus**	**1.690**	**1.525**

2. PERFORMANCE OF GENERATING STATIONS WITHIN DELHI DURING MARCH 2012

A) For the month of March 2012

All Figures in MUs

S. No	Stations	Gross Generation	Aux. Consumption	Net Generation	Availability (%)	Backing Down
1.	**RPH**	71.438	8.575	62.863	76.63	3.7395
2.	**GT**	64.535	2.147	62.388	91.400	117.5152
3.	**PPCL**	223.794	5.519	218.275	96.32	11.4685
4.	**BTPS**	473.247	8.570	464.677	101	92.3637
5.	**Rithala**	20.176	0.283	19.893	--	--
6.	**Bawana**	48.295	1.975	46.320	96.50	116.536
	TOTAL	**901.485**	**27.069**	**874.416**		

B) For the Year 2011-12 (Upto March 2012)

Power Station	Effective Capacity (MW)	Net Generation in MUs For MAR 2012	Availability (%) For MAR. 2012	PLF (%) For MAR. 2012	Cumulative Generation in MUs upto MAR. 2012 for the year 2011-12	Cumulative Availability in % upto MAR 2012 for the year 2011-12	Cumulative PLF in % upto Mar 2012 for the year 2011-12
RPH	135	62.863	76.63	71.44	800.772	68.57	68.15
GT	270	62.388	91.400	39.09	1228.365	79.41	51.30
PPCL	330	218.275	96.32	87.79	2428.874	92.61	87.79
BTPS	705	464.677	101	81.54	4502.82	87.93	76.70
Rithala	108	19.893	--	--	241.318	--	--
Bawana	**216**	46.320	96.50	23.26	214.037	68.65	35.27
TOTAL	**1764**	874.416			**9416.186**		

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
		04.01.12	14.06	21.01.12	21.50	Flame failure
		23.01.12	21.35	27.01.12	01.28	Very low furnance pressure
		03.02.12	21.33	08.02.12	13.12	Boiler tube leakage
		26.02.12	11.40	26.02.12	13.42	Grid disturbance
		04.03.12	16.04	04.03.12	17.05	Drum level low
		11.03.12	18.50	11.03.12	19.10	Drum level low
		11.03.12	19.16	15.03.12	03.44	Very high furnance pressure
		15.03.12	19.12	17.03.12	09.24	Boiler tube leakage
		25.03.12	10.55	25.03.12	15.01	Flash over due to monkey electrocution

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.
		05.01.12	06.02	05.01.12	12.30	Tripped on jerk
		16.01.12	14.54	17.01.12	01.10	Electrical fault
		24.02.12	07.17	24.02.12	09.46	Due to leakage in boiler leakage pump
		26.02.12	10.54	26.02.12	13.02	Grid disturbance
		11.03.12	19.30	11.03.12	20.35	Tripped on jerk
		17.03.12	06.50	17.03.12	07.45	Electrocution of monkey
		20.03.12	00.13	20.03.12	00.50	Tripped on jerk
		21.03.12	03.38	23.03.12	06.00	Boiler tube leakage
		24.03.12	09.28	27.03.12	15.00	Stopped due to low demand and high frequency.

(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	02.01.11	06.25	
		05.01.12	03.22	05.01.12	11.45	Stopped along with STG#1 due to high TAD.
		05.01.12	18.02	07.01.12	07.55	Machine stopped as generation available on spot RLNG
		08.01.12	00.05	09.01.12	07.55	
		10.01.12	01.46	10.01.12	06.41	
		10.01.12	23.55	11.01.12	06.55	
		11.01.12	19.02	12.01.12	09.25	
		16.01.12	00.28	20.01.12	07.40	
		20.01.12	10.30	24.01.12	14.15	
		01.02.12	07.30	06.02.12	09.20	Stopped due to low demand and high frequency
		06.02.12	21.00	26.02.12	11.00	
		26.02.12	11.00	27.02.12	17.00	Machine not available due to leakage in ACW line near GT#5 Transformer.
		27.02.12	17.00	09.03.12	08.58	Stopped due to low demand and high frequency
		21.03.12	12.31	22.03.12	13.25	

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	
2	30	03.01.12	12.10	05.01.12	11.04	Machine stopped as generation available on spot RLNG
		17.01.12	06.32	18.01.12	10.25	
		22.01.12	00.01	23.01.12	08.36	
		24.01.12	22.20	25.01.12	07.25	Stopped due to low demand and high frequency
		27.01.12	20.01	28.01.12	00.40	
		28.01.12	16.15	01.02.12	01.05	
		01.02.12	07.31	26.02.12	11.00	
		26.02.12	11.00	27.02.12	17.00	Machine not available due to leakage in ACW line near GT#5 Transformer.
		27.02.12	17.00	09.03.12	11.32	Stopped due to low demand and high frequency

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	
3	30	06.01.12	23.55	07.01.12	07.37	Machine stopped as generation available on spot RLNG
		14.01.12	23.00	18.01.12	10.02	
		20.01.12	00.05	20.01.12	07.55	
		21.01.12	00.05	21.01.12	08.10	
		22.01.12	16.47	22.01.12	21.44	
		24.01.12	11.20	24.01.12	13.50	Machine tripped due to failure of Aux.supply as 20 MVA Transformer tripped on lind stage gas pressure
		24.01.12	22.20	25.01.12	07.28	Stopped due to low demand and high frequency
		25.01.12	18.20	27.01.12	05.48	
		28.01.12	23.50	31.01.12	16.30	
		01.02.12	01.56	01.02.12	07.26	Machine stopped as generation available on spot RLNG
		06.02.12	21.12	11.02.12	19.02	Stopped due to low demand and high frequency
		26.02.12	09.45	27.02.12	17.25	Machine tripped on high LTTH as ACW already stopped at 9:02 hrs.to attend the leakages of ACW line near GT#5 Transformer.
		06.03.12	16.38	21.03.12	09.10	Stopped due to low demand and high frequency
		22.03.12	14.25	31.03.12	23.59	

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	
		14.01.12	23.00	18.01.12	12.10	
		28.01.12	00.16	28.01.12	00.40	Tripped on Gen.Gac electrical protection trouble normal shut down. On protection pannel negative phase sequence trip appeared
		28.01.12	00.40	28.0.12	15.30	Machine stopped due to low demand.
		06.02.12	21.00	11.02.12	18.12	
		26.02.12	09.00	27.02.12	17.10	Machine stopped for attending the leakages of ACW line near GT#5 Transformer.
		07.03.12	15.15	30.03.12	23.59	Stopped due to low demand and high frequency

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	
5	30	02.01.12	08.40	03.01.12	11.20	Machine stopped as generation available on spot RLNG
		13.01.12	01.15	14.01.12	06.48	
		19.01.12	00.00	19.01.12	08.00	
		20.01.12	00.00	20.01.12	10.10	
		24.01.12	11.20	24.01.12	12.45	Machine tripped due to failure of Aux.supply as 20 MVA Transformer tripped on lind stage gas pressure
		25.01.12	18.20	27.01.12	10.05	Machine is stopped due to low demand and high freq
		27.01.12	15.02	31.01.12	23.59	
		01.02.12	00.00	06.02.12	08.35	Machine stopped as generation available on spot RLNG
		29.02.12	11.32	09.02.12	11.45	Machine came on FSNL as both 160MVA transformer tripped at both end.
		11.02.12	19.15	26.02.12	11.00	Machine is stopped due to low demand and high freq
		26.02.12	11.00	27.02.12	17.00	Machine not available due to leakage in ACW line near GT#5 Transformer.
		27.02.12	17.00	06.03.12	12.55	Machine is stopped due to low demand and high freq
		09.03.12	10.15	14.03.12	09.10	
		17.03.12	00.32	31.03.12	23.59	

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	02.01.12	06.15	
		04.01.12	23.02	05.01.12	02.50	
		05.01.12	23.52	06.01.12	07.46	
		06.01.12	23.50	11.01.12	12.30	
		12.01.12	00.30	12.01.12	08.00	
		12.01.12	23.58	13.01.12	00.59	
		13.01.12	02.00	13.01.12	07.55	
		13.01.12	14.45	14.01.12	06.40	
		16.01.12	00.30	17.01.12	06.10	
		21.01.12	00.10	21.01.12	08.20	
		22.01.12	00.02	23.01.12	08.45	
		24.01.12	00.02	24.01.12	06.45	
		24.01.12	11.25	24.01.12	12.25	Machine stopped as DD of HRSG#6 not taking close command due to failure of DC supply.
		24.01.12	22.25	25.01.12	11.40	Stopped due to low demand and high frequency
		25.01.12	16.55	01.02.12	07.10	
		09.02.12	11.32	09.02.12	11.47	Machine came on FSNL as both 160MVA transformer tripped at both end.
		11.02.12	20.53	26.02.12	11.00	Stopped due to low demand and high frequency
		26.02.12	11.00	27.02.12	17.00	Machine not available due to leakage in ACW line near GT#5 Transformer.
		27.02.12	17.00	06.03.12	17.12	Stopped due to low demand and high frequency
		06.03.12	17.35	07.03.12	14.25	
		08.03.12	12.30	09.03.12	05.50	
		09.03.12	11.40	14.03.12	09.45	
		15.03.12	00.02	15.03.12	07.20	
		17.03.12	00.32	31.03.12	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.
		05.01.12	03.22	05.01.12	12.37	Stopped due to stopping of GT#1 due to high TAD.
		17.01.12	03.51	17.01.12	06.32	Tripped on turbine shaft viberation(RJB) very high alarm.
		17.01.12	06.32	18.01.12	12.25	Machine stopped as generation available on spot RLNG
		18.01.12	13.10	18.01.12	19.55	Tripped on Low vaccum.
		22.01.12	00.01	23.01.12	10.55	Machine stopped as generation available on spot RLNG
		24.01.12	11.20	24.01.12	16.10	Machine tripped due to failure of Aux.supply as 20 MVA Transformer tripped on Iind stage gas pressure
		01.02.12	03.03	01.02.12	18.15	Tripped & ESV closed MI appeared in alarm pannel.
		01.02.12	18.15	06.02.12	11.25	Machine stopped due to low demand
		06.02.12	21.00	26.02.12	11.00	
		26.02.12	11.00	27.02.12	17.00	Machine not available due to leakage in ACW line near GT#5 Transformer.
		27.02.12	17.00	09.03.12	12.35	Machine stopped due to low demand
		11.03.12	11.00	11.03.12	15.20	Machine stopped as all the parameters at BCD got freezed.
		15.03.12	00.50	15.03.12	02.55	Machine tripped due to Grid disturbance as Pragati-Maharani Bagh Ckt tripped.

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.
		14.01.12	23.00	18.01.12	12.00	Machine stopped as generation on Spot R-LNG is not required by SLDC
		24.01.12	11.20	24.01.12	13.35	Machine tripped due to failure of Aux.supply as 20 MVA Transformer tripped on Iind stage gas pressure
		06.02.12	08.40	06.02.12	09.25	Machine stopped due to BFP
		06.02.12	21.12	10.02.12	20.48	Machine stopped due to low demand
		26.02.12	09.00	27.02.12	19.25	Machine stopped for attending the leakages of ACW line near GT#5 Transformer.

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG 2	**30**	04.03.12	23.15	05.03.12	01.40	Machine tripped due to heavy jerk observed,both160MVA ICTs & Akshardham O/C feeder tripped
		07.03.12	15.12	18.03.12	23.59	Machine stopped due to low demand
		19.03.12	00.00	19.03.12	16.30	Machine not available due to mehnical maintenance.
		19.03.12	16.30	21.03.12	12.15	Machine stopped due to low demand
		22.03.12	14.25	31.03.12	23.59	Machine stopped due to low demand

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
		02.01.12	06.05	02.01.12	06.55	Stopped due to MS temprature low.
		04.01.12	07.09	04.01.12	07.39	Tripped on Hot well level high.
		13.01.12	02.00	14.01.12	08.58	Machine stopped as generation available on spot RLNG
		24.01.12	11.20	24.01.12	14.15	Machine tripped due to failure of Aux.supply as 20 MVA Transformer tripped on lind stage gas pressure
		24.01.12	15.40	24.01.12	17.30	Machine tripped while normalizing the supply from 20 MVA Tx

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG #3	30	25.01.12	18.20	27.01.12	12.35	Machine Stopped due to low demand & high frequency
		27.01.12	15.02	31.01.12	23.59	
		01.02.12	00.00	06.02.12	12.05	
		09.02.12	11.32	09.02.12	13.25	Machine tripped as both 160MVA transformer tripped at both end.
		11.02.12	20.53	26.02.12	11.00	Machine Stopped due to low demand & high frequency
		26.02.12	11.00	27.02.12	17.00	Machine not available due to leakage in ACW line near GT#5 Transformer.
		27.02.12	17.00	06.03.12	16.22	Machine Stopped due to low demand & high frequency
		09.03.12	08.40	09.03.12	13.00	Machine stopped due to problem in Oil Cooler of BFP 3B as the Another BFP-3A was under PTW
		09.03.12	13.00	14.03.12	11.55	Machine was cleared by Mech-II division but not taken on load due to low Schedule from SLDC.
		17.03.12	00.32	18.03.12	23.59	Machine Stopped due to low demand & high frequency
		19.03.12	00.00	20.03.12	23.59	Machine not available due to mehnical maintenance.
		21.03.12	00.00	31.03.12	23.59	Machine Stopped due to low demand & high frequency

(C) PRAGATI STATION

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	**104**	01.04.11	23.28	03.04.11	11.37	Stopped for maintenance work
		03.04.11	20.03	04.04.11	19.09	Rotor earth fault
		04.04.11	14.45	06.04.11	13.35	Unit stopped due to low demand and high frequency
		06.04.11	21.45	08.04.11	08.01	Stopped for maintenance work
		08.04.11	18.45	08.04.11	24.00	Internal fault
		09.04.11	00.00	10.04.11	15.52	Unit stopped due to low demand and high frequency
		25.04.11	17.58	25.04.11	23.08	Tripped alongwtih trippings of associated transmission lines.
		21.05.11	01.30	21.05.11	02.56	Grid disturbance
		21.05.11	22.10	23.05.11	08.45	Generation backing down due to low demand and high frequency
		05.06.11	11.02	05.06.11	17.43	Shutdown for attending hot spot and general maintenance
		28.07.11	21.18	29.07.11	22.59	Leakage of air compressor
		02.11.11	00.00	02.11.11	05.58	Inspection of boiler
		09.02.12	11.36	09.02.12	13.04	Grid disturbance
		15.03.12	00.51	15.03.12	05.31	
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
		05.01.12	06.02	05.01.12	08.04	Grid disturbance
		07.01.12	22.03	07.01.12	22.21	AVR Fault at generation end
		13.01.12	04.36	13.02.12	16.00	Generation backing down due to low demand and high frequency
		13.02.12	04.36	13.02.12	16.00	Generation backing down due to low demand and high frequency
		26.02.12	10.54	26.02.12	11.53	Grid disturbance
		15.03.12	00.51	15.03.12	02.13	

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
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	
		19.11.11	09.39	19.11.11	11.16	
		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
		05.01.12	06.02	05.01.12	12.06	Grid disturbance
		07.01.12	22.03	08.01.12	00.43	AVR fault at generation end.
		09.02.12	11.42	09.02.12	13.14	Grid disturbance
		26.02.12	10.54	26.02.12	12.48	
		15.03.12	00.51	15.03.12	05.06	

(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
		02.01.12	17.39	03.01.12	14.25	Boiler tube leakage
		07.01.12	02.38	07.01.12	03.28	Internal fault
		09.01.12	01.44	03.01.12	03.26	Flame failure
		16.01.12	15.05	16.01.12	15.47	False tripping of IO fan
		04.02.12	21.00	05.02.12	13.00	Generation backing down due to low demand and high frequency
		07.02.12	11.32	07.02.12	20.37	Electrical protection failure
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
		07.03.12	20.55	12.03.12	09.20	Generation backing down due to low demand and high frequency

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
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
		05.02.12	13.54	06.02.12	12.40	Charging from Unit #3 to unit #1
		21.02.12	12.08	22.02.12	18.00	Generation backing down due to low demand and high frequency
		07.03.12	00.01	10.03.12	15.15	
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
		12.01.12	06.08	13.01.12	09.50	Boiler tube leakage
		09.02.12	19.57	10.02.12	19.00	Electrical protection fault
		07.03.12	06.42	07.03.12	08.25	ID Fan failure

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
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
		13.02.12	10.16	16.02.12	21.42	Generation backing down due to low demand and high frequency
		17.03.12	09.47	17.03.12	11.12	Pump tripped
		27.03.12	00.22	27.03.12	15.43	Feed water leakage

4 ALLOCATION OF POWER TO DELHI

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

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

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

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

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

Name of the Stn	Installed capacity	Total Un-allocated	Basic Allocation	Basic Allocation at periphery	Allocation out of Unallocated Quota	Allocation out of Un-allocation Quota at Delhi periphery	Total allocation at Delhi periphery
1	2	3	4	5	6	7	(8)=(5)+(7)
NTPC STATIONS							
Singrauli STPS	2000	300	150	130	39	34	165
Rihand	1000	150	100	87	20	17	104
Rihand Stage -II	1000	150	126	109	20	17	127
ANTA GPS	419	63	44	41	8	8	49
Auriya GPS	663.36	99	72	67	9	9	76
Dadri GPS	829.78	129	91	85	8	7	92
Dadri NCTPS (Th)	840	0	756	657	0	0	657
Dadri NCTPS (Th) Stage-II	980	147	735	639	19	17	655
Unchahaar-I TPS	420	20	24	21	3	2	23
Unchahaar-II TPS	420	63	47	41	8	7	48
Unchahaar-III TPS	210	31	29	25	4	4	29
TOTAL	**8782**	**1152**	**2174**	**1902**	**138**	**122**	**2023**
NHPC							
Baira Suil HPS	180	0	20	19	0	0	19
Salal HPS	690	0	80	76	0	0	76
Tanakpur HEP	94	0	12	11	0	0	11
Chamera HEP	540	0	43	41	0	0	41
Chamera-II HEP	300	54	40	38	7	7	45
URI HEP	480	0	53	50	0	0	50
Sewa HEP	120	18	16	15	2	2	17
Dhauli Ganga HEP	280	42	37	35	6	5	40
Koteshwar HEP	100	0	10	9	1	1	11
Dulhasti HEP	390	58	50	48	8	7	55
TOTAL	**3174**	**172**	**361**	**343**	**24**	**23**	**365**
NPC							
Narora APS	440	64	47	41	8	7	48
RAPP(B)	440	66	0	0	0	0	0
RAPP (C)	440	64	56	49	14	12	61
TOTAL	**1320**	**194**	**103**	**89**	**23**	**20**	**109**
SVJNL							
Nathpa Jhakri HEP	1500	149	142	123	20	19	142
THDC							
Tehri Hydro	1000	99	103	89	13	12	102
Total	**15776**	**1766**	**2882**	**2547**	**217**	**195**	**2741**
Allocation from ER and Tala HEP							
Farakka	1600	0	22	19	0	0	19
Kahalgaon	840	0	51	43	0	0	43
Talchar	1000	0	0	0	0	0	0
Tala HEP	1020	153	30	25	0	0	25
Mejia TPS Unit-6	250	0	29	25	0	0	25
Kahalgaon-II	1500	0	157	131	0	0	131
Total ER	**6210**	**153**	**290**	**242**	**0**	**0**	**242**
Joint Venture							
Jhajjar TPS	500	38	231	201	5	4	205
Grand Total	**22486**	**1957**	**3403**	**2989**	**222**	**199**	**3188**

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

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

Name of the Stn	Installed capacity	Total Un-allocated	Basic Allocation	Basic Allocation at periphery	Allocation out of Unallocated Quota	Allocation out of Un-allocation Quota at Delhi periphery	Total allocation at Delhi periphery
1	**2**	**3**	**4**	**5**	**6**	**7**	**(8)=(5)+(7)**
NTPC STATIONS							
Singrauli STPS	2000	300	150	130	0	0	130
Rihand	1000	150	100	87	0	0	87
Rihand Stage -II	1000	150	126	109	0	0	109
ANTA GPS	419	63	44	41	0	0	41
Auriya GPS	663.36	99	72	67	0	0	67
Dadri GPS	829.78	129	91	85	0	0	85
Dadri NCTPS (Th)	840	0	756	657	0	0	657
Dadri NCTPS (Th) Stage-II	980	147	735	639	0	0	639
Unchahaar-I TPS	420	20	24	21	0	0	21
Unchahaar-II TPS	420	63	47	41	0	0	41
Unchahaar-III TPS	210	31	29	25	0	0	25
TOTAL	**8782**	**1152**	**2174**	**1902**	**0**	**0**	**1902**
NHPC							
Baira Suil HPS	180	0	20	19	0	0	19
Salal HPS	690	0	80	76	0	0	76
Tanakpur HEP	94	0	12	11	0	0	11
Chamera HEP	540	0	43	41	0	0	41
Chamera-II HEP	300	54	40	38	0	0	38
URI HEP	480	0	53	50	0	0	50
Sewa HEP	120	18	16	15	0	0	15
Dhauli Ganga HEP	280	42	37	35	0	0	35
Dulhasti HEP	390	58	50	48	0	0	48
TOTAL	**3074**	**172**	**351**	**333**	**0**	**0**	**333**
NPC							
Narora APS	440	64	47	41	0	0	41
RAPP(B)	440	66	0	0	0	0	0
RAPP (C)	440	64	56	49	0	0	49
TOTAL	**1320**	**194**	**103**	**89**	**0**	**0**	**89**
SVJNL							
Nathpa Jhakri HEP	1500	149	142	123	0	0	123
THDC							
Tehri Hydro	1000	99	103	89	0	0	89
Total	**15676**	**1766**	**2873**	**2537**	**0**	**0**	**2537**
Allocation from ER and Tala HEP							
Farakka	1600	0	22	19	0	0	19
Kahalgaon	840	0	51	43	0	0	43
Talchar	1000	0	0	0	0	0	0
Tala HEP	1020	153	30	25	0	0	25
Mejia TPS Unit-6	250	0	29	25	0	0	25
Kahalgaon-II	1500	0	157	131	0	0	131
Total ER	**6210**	**153**	**290**	**242**	**0**	**0**	**242**
Joint Venture							
Jhajjar TPS	500	38	0	0	0	0	0
Grand Total	**22386**	**1957**	**3162**	**2779**	**0**	**0**	**2779**

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

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

Name of the Stn	Installed capacity	Total Un-allocated	Basic Allocation	Basic Allocation at periphery	Allocation out of Unallocated Quota	Allocation out of Un-allocation Quota at Delhi periphery	Total allocation at Delhi periphery
1	2	3	4	5	6	7	(8)=(5)+(7)
NTPC STATIONS							
Singrauli STPS	2000	300	150	130	39	34	164
Rihand	1000	150	100	87	20	17	104
Rihand Stage -II	1000	150	126	109	20	17	126
ANTA GPS	419	63	44	41	8	8	49
Auriya GPS	663.36	99	72	67	9	8	75
Dadri GPS	829.78	129	91	85	8	7	92
Dadri NCTPS (Th)	840	0	756	657	0	0	657
Dadri NCTPS (Th) Stage-II	980	147	735	639	19	17	655
Unchahaar-I TPS	420	20	24	21	3	2	23
Unchahaar-II TPS	420	63	47	41	8	7	48
Unchahaar-III TPS	210	31	29	25	4	4	29
TOTAL	**8782**	**1152**	**2174**	**1902**	**137**	**121**	**2022**
NHPC							
Baira Suil HPS	180	0	20	19	0	0	19
Salal HPS	690	0	80	76	0	0	76
Tanakpur HEP	94	0	12	11	0	0	11
Chamera HEP	540	0	43	41	0	0	41
Chamera-II HEP	300	54	40	38	7	7	45
URI HEP	480	0	53	50	0	0	50
Sewa HEP	120	18	16	15	2	2	17
Dhauli Ganga HEP	280	42	37	35	5	5	40
Koteshwar HEP	100	0	10	9	1	1	11
Dulhasti HEP	390	58	50	48	8	7	55
TOTAL	**3174**	**172**	**361**	**343**	**24**	**23**	**365**
NPC							
Narora APS	440	64	47	41	8	7	48
RAPP(B)	440	66	0	0	0	0	0
RAPP (C)	440	64	56	49	9	7	56
TOTAL	**1320**	**194**	**103**	**89**	**17**	**15**	**104**
SVJNL							
Nathpa Jhakri HEP	1500	149	142	123	20	19	142
THDC							
Tehri Hydro	1000	99	103	89	13	12	102
Total	**15776**	**1766**	**2882**	**2547**	**211**	**189**	**2736**
Allocation from ER and Tala HEP							
Farakka	1600	0	22	19	0	0	19
Kahalgaon	840	0	51	43	0	0	43
Talchar	1000	0	0	0	0	0	0
Tala HEP	1020	153	30	25	0	0	25
Mejia TPS Unit-6	250	0	29	25	0	0	25
Kahalgaon-II	1500	0	157	131	0	0	131
Total ER	**6210**	**153**	**290**	**242**	**0**	**0**	**242**
Joint Venture							
Jhajjar TPS	500	38	0	0	5	4	4
Grand Total	**22486**	**1957**	**3172**	**2788**	**216**	**193**	**2982**

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

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

Name of the Stn	Installed capacity	Total Un-allocated	Basic Allocation	Basic Allocation at periphery	Allocation out of Unallocated Quota	Allocation out of Un-allocation Quota at Delhi periphery	Total allocation at Delhi periphery
1	2	3	4	5	6	7	(8)=(5)+(7)
NTPC STATIONS							
Singrauli STPS	2000	300	150	130	0	0	130
Rihand	1000	150	100	87	0	0	87
Rihand Stage -II	1000	150	126	109	0	0	109
ANTA GPS	419	63	44	41	0	0	41
Auriya GPS	663.36	99	72	67	0	0	67
Dadri GPS	829.78	129	91	85	0	0	85
Dadri NCTPS (Th)	840	0	756	657	0	0	657
Dadri NCTPS (Th) Stage-II	980	147	735	639	0	0	639
Unchahaar-I TPS	420	20	24	21	0	0	21
Unchahaar-II TPS	420	63	47	41	0	0	41
Unchahaar-III TPS	210	31	29	25	0	0	25
TOTAL	**8782**	**1152**	**2174**	**1902**	**0**	**0**	**1902**
NHPC							
Baira Suil HPS	180	0	20	19	0	0	19
Salal HPS	690	0	80	76	0	0	76
Tanakpur HEP	94	0	12	11	0	0	11
Chamera HEP	540	0	43	41	0	0	41
Chamera-II HEP	300	54	40	38	0	0	38
URI HEP	480	0	53	50	0	0	50
Sewa HEP	120	18	16	15	0	0	15
Dhauli Ganga HEP	280	42	37	35	0	0	35
Dulhasti HEP	390	58	50	48	0	0	48
TOTAL	**3074**	**172**	**351**	**333**	**0**	**0**	**333**
NPC							
Narora APS	440	64	47	41	0	0	41
RAPP(B)	440	66	0	0	0	0	0
RAPP (C)	440	64	56	49	0	0	49
TOTAL	**1320**	**194**	**103**	**89**	**0**	**0**	**89**
SVJNL							
Nathpa Jhakri HEP	1500	149	142	123	0	0	123
THDC							
Tehri Hydro	1000	99	103	89	0	0	89
Koteshwar HEP	200	0	20	19	0	0	19
TOTAL	**1200**	**99**	**123**	**108**	**0**	**0**	**108**
Total	**15876**	**1766**	**2892**	**2556**	**0**	**0**	**2556**
Allocation from ER and Tala HEP							
Farakka	1600	0	22	19	0	0	19
Kahalgaon	840	0	51	43	0	0	43
Talchar	1000	0	0	0	0	0	0
Tala HEP	1020	153	30	25	0	0	25
Mejia TPS Unit-6	250	0	29	25	0	0	25
Kahalgaon-II	1500	0	157	131	0	0	131
Total ER	**6210**	**153**	**290**	**242**	**0**	**0**	**242**
Joint Venture							
Jhajjar TPS	500	38	0	0	0	0	0
Grand Total	**22586**	**1957**	**3182**	**2798**	**0**	**0**	**2798**

5 ALLOCATION OF POWER TO DISCOMS

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

(Allocation In %)

(A) 10.00hrs. to 17.00hrs.

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

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

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

6 POWER AVAILABILITY-DEMAND POSITION AT THE TIME OF PEAK DEMAND MET DURING MARCH 2012

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	19:00:08	108	82	299	601	23	150	1263	1866	2631	765	**3129**	0	3129
2	9:51:00	105	81	304	615	26	155	1286	1828	2505	677	**3114**	0	3114
3	10:27:51	103	82	305	558	26	152	1226	1755	1975	220	**2981**	3	2984
4	10:14:44	104	79	298	535	24	-2	1038	1866	2167	301	**2904**	0	2904
5	19:00:53	103	80	291	501	30	31	1036	1997	2000	3	**3033**	0	3033
6	19:05:24	105	81	298	491	24	154	1153	1850	2060	210	**3003**	0	3003
7	10:27:52	105	81	298	560	24	172	1240	1739	2237	498	**2979**	0	2979
8	19:12:35	105	39	263	393	24	0	824	1405	1693	288	**2229**	0	2229
9	10:35:00	107	52	308	399	24	0	890	1837	2118	281	**2727**	0	2727
10	10:17:09	105	81	298	491	30	0	1005	1820	1951	131	**2825**	0	2825
11	10:30:00	108	79	279	441	30	0	937	1824	2020	196	**2761**	0	2761
12	19:19:10	62	77	303	518	30	168	1158	1762	2274	512	**2920**	0	2920
13	19:05:10	59	78	305	602	30	197	1271	1701	2348	647	**2972**	0	2972
14	10:19:19	60	140	311	515	30	166	1222	1700	1995	295	**2922**	31	2953
15	10:01:10	101	159	308	579	30	165	1342	1615	1959	344	**2957**	0	2957
16	19:02:15	59	159	297	487	30	251	1283	1720	2158	438	**3003**	0	3003
17	10:58:13	101	76	292	389	30	256	1144	1824	2031	207	**2968**	3	2971
18	19:18:39	104	76	288	494	30	0	992	1744	2114	370	**2736**	0	2736
19	19:19:53	103	76	292	570	30	0	1071	2170	2403	233	**3241**	0	3241
20	19:04:06	99	76	288	551	30	0	1044	2186	2492	306	**3230**	1	3231
21	19:38:24	47	76	306	606	27	0	1062	1946	2450	504	**3008**	0	3008
22	19:26:47	47	78	302	613	28	0	1068	1958	2378	420	**3026**	0	3026
23	9:53:08	107	80	305	576	28	0	1096	1997	2240	243	**3093**	0	3093
24	20:00:53	49	77	293	587	25	0	1031	1908	2441	533	**2939**	0	2939
25	19:34:42	0	77	297	568	26	0	968	1832	2370	538	**2800**	0	2800
26	19:17:51	48	76	290	556	26	0	996	2123	2262	139	**3119**	0	3119
27	19:21:46	106	78	294	587	25	0	1090	2161	1974	-187	**3251**	8	3259
28	19:18:51	104	77	296	565	27	214	1283	1977	2346	369	**3260**	3	3263
29	19:20:59	108	79	293	588	30	0	1098	2113	2245	132	**3211**	0	3211
30	19:34:22	103	76	292	579	34	0	1084	2232	2179	-53	**3316**	0	3316
31	19:20:50	102	76	293	544	13	0	1028	2159	2377	218	**3187**	0	3187

7 POWER AVAILABILITY- DEMAND POSITION AT THE TIME OF MAXIMUM UNRESTRICTED DEMAND DURING MARCH 2012

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	19:00:08	108	82	299	601	23	150	1263	1866	2631	765	**3129**	0	3129
2	9:51:00	105	81	304	615	26	155	1286	1828	2505	677	**3114**	0	3114
3	10:27:51	103	82	305	558	26	152	1226	1755	1975	220	**2981**	3	2984
4	10:14:44	104	79	298	535	24	-2	1038	1866	2167	301	**2904**	0	2904
5	19:00:53	103	80	291	501	30	31	1036	1997	2000	3	**3033**	0	3033
6	19:05:24	105	81	298	491	24	154	1153	1850	2060	210	**3003**	0	3003
7	10:27:52	105	81	298	560	24	172	1240	1739	2237	498	**2979**	0	2979
8	19:12:35	105	39	263	393	24	0	824	1405	1693	288	**2229**	0	2229
9	10:35:00	107	52	308	399	24	0	890	1837	2118	281	**2727**	0	2727
10	10:17:09	105	81	298	491	30	0	1005	1820	1951	131	**2825**	0	2825
11	10:30:00	108	79	279	441	30	0	937	1824	2020	196	**2761**	0	2761
12	19:19:10	62	77	303	518	30	168	1158	1762	2274	512	**2920**	0	2920
13	19:05:10	59	78	305	602	30	197	1271	1701	2348	647	**2972**	0	2972
14	10:19:19	60	140	311	515	30	166	1222	1700	1995	295	**2922**	31	2953
15	19:00:00	100	158	300	506	30	256	1349	2982	2070	-912	**2982**	104	3086
16	19:02:15	59	159	297	487	30	251	1283	1720	2158	438	**3003**	0	3003
17	10:58:13	101	76	292	389	30	256	1144	1824	2031	207	**2968**	3	2971
18	19:18:39	104	76	288	494	30	0	992	1744	2114	370	**2736**	0	2736
19	19:19:53	103	76	292	570	30	0	1071	2170	2403	233	**3241**	0	3241
20	19:04:06	99	76	288	551	30	0	1044	2186	2492	306	**3230**	1	3231
21	19:38:24	47	76	306	606	27	0	1062	1946	2450	504	**3008**	0	3008
22	19:26:47	47	78	302	613	28	0	1068	1958	2378	420	**3026**	0	3026
23	9:53:08	107	80	305	576	28	0	1096	1997	2240	243	**3093**	0	3093
24	20:00:53	49	77	293	587	25	0	1031	1908	2441	533	**2939**	0	2939
25	19:34:42	0	77	297	568	26	0	968	1832	2370	538	**2800**	0	2800
26	19:17:51	48	76	290	556	26	0	996	2123	2262	139	**3119**	0	3119
27	19:21:46	106	78	294	587	25	0	1090	2161	1974	-187	**3251**	8	3259
28	19:18:51	104	77	296	565	27	214	1283	1977	2346	369	**3260**	3	3263
29	19:20:59	108	79	293	588	30	0	1098	2113	2245	132	**3211**	0	3211
30	19:34:22	103	76	292	579	34	0	1084	2232	2179	-53	**3316**	0	3316
31	19:20:50	102	76	293	544	13	0	1028	2159	2377	218	**3187**	0	3187

8 SOURCEWISE SCHEDULED DRAWL FROM NORTHERN GRID AS WELL AS AVAILABILITY WITHIN DELHI FOR MARCH 2012

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

A (i) RPH	71.438
(ii) GT+STG	64.535
(iii) PRAGATI	223.794
(iv) RITHALA	20.176
(v) BAWANA CCGT	48.295
TOTAL	428.238
B) AVAILABILITY FROM BTPS	399.760
C) AUXILIARY CONSUMPTION OF GENERATING STNs. EXCLUDING BTPS	18.499
D) NET GENERATION AVAILABLE WITHIN DELHI(A+B-C)	**809.499**

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	9.349	9.025	2.729	2.635
SALAL	23.324	22.514	6.805	6.569
TANKAPUR	1.029	0.994	0.300	0.289
CHAMERA	12.556	12.125	3.664	3.538
CHAMERA -II	9.922	9.577	2.895	2.794
DHAULIGANGA	4.283	4.134	1.250	1.206
SEWA -2	10.511	10.147	3.066	2.960
URI	34.140	32.953	9.963	9.617
KOTESHWAR	7.513	7.256	7.513	7.256
ANTA (GAS)	27.433	26.487	17.980	17.358
ANTA (RLNG)	4.301	4.153	0.008	0.007
ANTA (LIQUID)	0.000	0.000	0.000	0.000
DADRI (GAS)	57.191	55.211	37.185	35.894
DADRI (RLNG)	8.438	8.153	0.000	0.000
DADRI (LIQUID)	0.000	0.000	0.000	0.000
AURAIYA (GAS)	25.045	24.176	15.471	14.931
AURAIYA (RLNG)	13.741	13.273	0.111	0.107
AURAIYA (LIQUID)	3.380	3.265	0.000	0.000
SINGRAULI	106.025	102.363	103.713	100.130
RIHAND -I	67.319	64.995	65.696	63.428
RIHAND -II	88.522	85.461	86.509	83.517
UNCHAHAR-I	16.972	16.386	14.462	13.962
UNCHAHAR-II	33.092	31.950	28.330	27.351
UNCHAHAR-III	20.439	19.734	17.457	16.853
DADRI (TH)	530.285	511.978	433.564	418.611
DADRI (TH) STAGE-II	500.993	483.657	459.314	443.421
NAPP	21.607	20.862	21.607	20.862
RAPP 'B'	0.000	0.000	0.000	0.000
RAPP 'C'	39.652	38.284	39.652	38.284
NATHPA JHAKRI	23.486	22.670	6.853	6.615
DULASTI	11.909	11.492	3.475	3.353
TEHRI	22.815	22.026	22.815	22.026
JHAJJAR	0.000	0.000	0.000	0.000
KHELGAON	33.563	32.405	27.547	26.597
KHELGAON-II	106.260	102.593	89.474	86.386
FARAKA	15.352	14.821	8.463	8.172
TALA	1.357	1.309	1.357	1.309
TALCHER	0.000	0.000	0.000	0.000
DVC	170.247	168.426	168.426	162.622
CHATTISHGARH	0.000	0.000	0.000	0.000
ANDHRA	0.000	0.000	0.000	0.000
DVC TATA STEEL	178.014	176.125	176.125	170.027
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	6.184	6.116	6.116	5.879
MADHYA PRADESH(WR)	0.000	0.000	0.000	0.000
MADHYA PRADESH(WR-ER)	0.000	0.000	0.000	0.000
HARYANA (FOR NDPL)	3.443	3.373	3.373	3.242

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
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
TO CHHATISHGARH	-53.845	-54.994	-54.994	-56.961
TO WEST BENGAL	-9.918	-10.054	-10.054	-10.419
TO MADHYA PRADESH	-85.096	-86.369	-86.369	-89.411
TO JAMMU & KASHMIR	-42.944	-43.577	-43.577	-45.098
TO TAMILNADU	-2.910	-2.976	-2.976	-3.083
TO RAJASTHAN	-3.434	-3.483	-3.483	-3.602
TO HIMACHAL PRADESH	-35.018	-35.550	-35.550	-36.821
TO KERALA(ER)	-26.969	-27.581	-27.581	-28.566
TO UTTAR PRADESH	-4.312	-4.401	-4.401	-4.579
POWER EXCHANGE(IEX)	0.000	0.000	0.000	0.000
TO POWER EXCHANGE (IEX)	-211.517	-219.048	-211.517	-219.048
POWRER EXCHANGE(PX)	0.000	0.000	0.000	0.000
TO POWER EXCHANGE (PX)	-20.202	-20.930	-20.202	-20.930
TO SHARE PROJECT (HARYANA)	-6.017	-6.227	-6.017	-6.227
TO SHARE PROJECT (PUNJAB)	-4.456	-4.612	-4.456	-4.612
TOTAL	**1743.054**	**1660.663**	**1382.089**	**1298.452**

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	1503.174	1451.241	1279.797	1235.570
NTPC - ER	155.175	149.819	125.484	121.155
NHPC	117.024	112.960	34.148	32.962
NPC	61.260	59.145	61.260	59.145
KOTESHWAR	7.513	7.256	7.513	7.256
NATHPA JHAKRI	23.486	22.670	6.853	6.615
TEHRI	22.815	22.026	22.815	22.026
TALA	1.357	1.309	1.357	1.309
JHAJJAR	0.000	0.000	0.000	0.000
TALCHER	0.000	0.000	0.000	0.000
DVC	170.247	168.426	168.426	162.622
CHATTISHGARH	0.000	0.000	0.000	0.000
ANDHRA	0.000	0.000	0.000	0.000
DVC TATA STEEL	178.014	176.125	176.125	170.027
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	6.184	6.116	6.116	5.879
MADHYA PRADESH(WR)	0.000	0.000	0.000	0.000
MADHYA PRADESH(WR-ER)	0.000	0.000	0.000	0.000
HARYANA (FOR NDPL)	3.443	3.373	3.373	3.242
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
POWER EXCHANGE(IEX)	0.000	0.000	0.000	0.000
POWER EXCHANGE(PX)	0.000	0.000	0.000	0.000
TOTAL	**2249.692**	**2180.466**	**1893.267**	**1827.809**

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 CHHATISHGARH	-53.845	-54.994	-54.994	-56.961
TO MADHYA PRADESH	-85.096	-86.369	-86.369	-89.411
TO WEST BENGAL	-9.918	-10.054	-10.054	-10.419
TO JAMMU & KASHMIR	-42.944	-43.577	-43.577	-45.098
TO TAMILNADU	-2.910	-2.976	-2.976	-3.083
TO RAJASTHAN	-3.434	-3.483	-3.483	-3.602
TO HIMACHAL PRADESH	-35.018	-35.550	-35.550	-36.821
TO KERALA(ER)	-26.969	-27.581	-27.581	-28.566
TO UTTAR PRADESH	-4.312	-4.401	-4.401	-4.579
TO POWER EXCHANGE (IEX)	-211.517	-219.048	-211.517	-219.048
TO POWER EXCHANGE (PX)	-20.202	-20.930	-20.202	-20.930
TO SHARE PROJECT (HARYANA)	-6.017	-6.227	-6.017	-6.227
TO SHARE PROJECT (PUNJAB)	-4.456	-4.612	-4.456	-4.612
TOTAL	**506.638**	**-519.803**	**-511.179**	**-529.357**
TOTAL SCHEDULED DRAWAL FROM THE GRID	**1743.054**	**1660.663**	**1382.089**	**1298.452**
TOTAL CONSUMPTION INCLUDING AUX. OF GENERATING STNs. EXCLUDING BTPS				1734.521
NET CONSUMPTION				1716.022
AVAILABILITY WITHIN DELHI				809.499
ACTUAL DRAWAL FROM THE GRID				906.523
OVER DRAWAL(+)/UNDER DRAWAL(-) FROM THE GRID ON THE BASIS OF SCHEDULED ALLOCATION MADE BY NRLDC TO DELHI AT PERIPHERY				-391.929
LOAD SHEDDING				**1.690**
UNRESTRICTED DEMAND (GROSS)				**1736.211**
UNRESTRICTED DEMAND (NET)				**1717.712**
MAX. NET CONSUMPTION				62.776Mus. ON 29.03.2012
MAX. LOAD SHEDDING				225MW ON 13.03.2012 AT 17.37HRS.
PEAK LOAD	Peak Demand during the month			SHEDDING AT PEAK TIME
DAY PEAK	3152MW AT 10.11.30HRS ON 30.03.2012			NIL
EVENING PEAK	3316MW AT 19.34.22HRS ON 30.03.2012			NIL
P.L.F. OF GENCO AND PRAGATI STNs.	RPH GT PRAGATI RITHALA BAWANA			71.13% 32.13% 91.15% 25.11% 30.02%

9 SHEDDING DETAILS DURING THE MONTH OF MARCH 2012.

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-Mar -12	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
02-Mar -12	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
03-Mar -12	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
04-Mar -12	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
05-Mar -12	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
06-Mar -12	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
07-Mar -12	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
08-Mar -12	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
09-Mar -12	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
10-Mar -12	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.015	0.000	0.000
11-Mar -12	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
12-Mar -12	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
13-Mar -12	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.186	0.000	0.000
14-Mar -12	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
15-Mar -12	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
16-Mar -12	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
17-Mar -12	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
18-Mar -12	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
19-Mar -12	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
20-Mar -12	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
21-Mar -12	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
22-Mar -12	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
23-Mar -12	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
24-Mar -12	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
25-Mar -12	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
26-Mar -12	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
27-Mar -12	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
28-Mar -12	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
29-Mar -12	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
30-Mar -12	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
31-Mar -12	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
Total	**0**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.201**	**0.000**	**0.000**

ALL FIGURES IN MUs

Date	Shedding due to Transmission/Grid Constraints in Central Sector Stations / TTC / ATC VOILATION				TOTAL	TOTAL SHEDDING DUE TO GRID RESTRICTIONS	Due to T&D Constraints				
							DTL				
	BSES		NDPL	NDMC			BSES		NDPL	NDMC	MES
	BYPL	BRPL					BYPL	BRPL			
1	12	13	14	15	**16=8to15**	**17=16+7**	18	19	20	21	22
01-Mar -12	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
02-Mar -12	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
03-Mar -12	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
04-Mar -12	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
05-Mar -12	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
06-Mar -12	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.070	0.000	0.000	0.000
07-Mar -12	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
08-Mar -12	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.002	0.000	0.000
09-Mar -12	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.002	0.000	0.000	0.000
10-Mar -12	0.000	0.015	0.000	0.000	**0.030**	**0.030**	0.000	0.000	0.001	0.000	0.000
11-Mar -12	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
12-Mar -12	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.012	0.000	0.000
13-Mar -12	0.000	0.186	0.042	0.000	**0.414**	**0.414**	0.018	0.000	0.000	0.000	0.000
14-Mar -12	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
15-Mar -12	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.091	0.068	0.002	0.000	0.000
16-Mar -12	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
17-Mar -12	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
18-Mar -12	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
19-Mar -12	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
20-Mar -12	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.005	0.000	0.000
21-Mar -12	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.017	0.000	0.000
22-Mar -12	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.013	0.002	0.000	0.000
23-Mar -12	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
24-Mar -12	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
25-Mar -12	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.008	0.020	0.000	0.000	0.000
26-Mar -12	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.006	0.000	0.000
27-Mar -12	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
28-Mar -12	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.010	0.000	0.000	0.000
29-Mar -12	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.001	0.000	0.000	0.000	0.000
30-Mar -12	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
31-Mar -12	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.002	0.000	0.000
Total	**0.000**	**0.201**	**0.042**	**0.000**	**0.444**	**0.444**	**0.118**	**0.183**	**0.049**	**0.000**	**0.000**

ALL FIGURES IN MUs

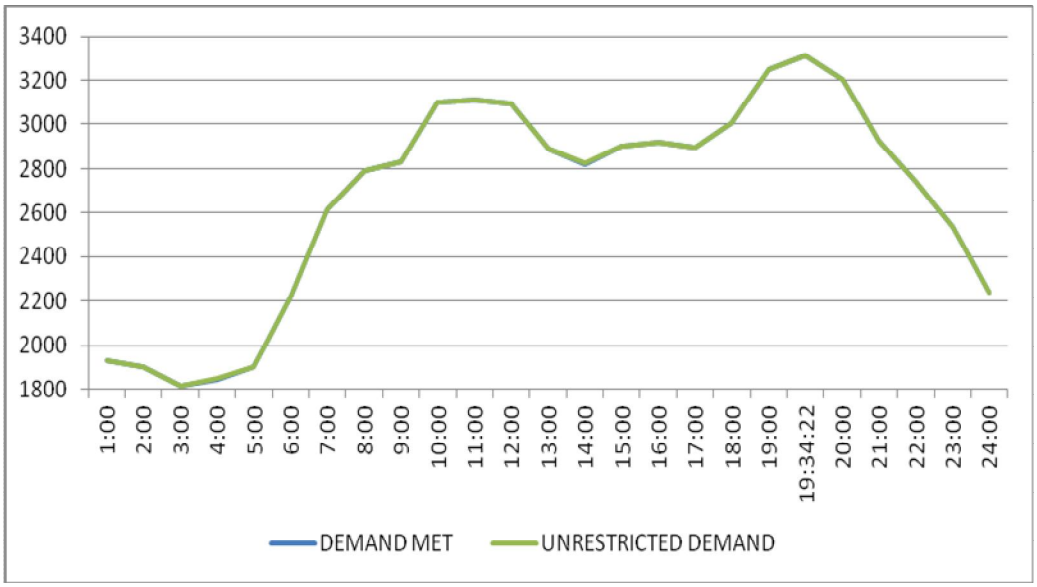
DATE	DUE TO T&D CONTRAINTS				OTHER AGENCIES LIKE GENCO, BBMB, BTPS ETC.	THEFT PRONE SHEDDING			TOTAL SHEDDING DUE TO T&D CONSTS. & THEFT PRONE	GRAND TOTAL
	DISCOMS									
	BSES		NDPL	NDMC		BSES		NDPL		
	BYPL	BRPL				BYPL	BRPL			
1	23	24	25		26	27	28	29	30=18 to29	31=30+17
01-Mar -12	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	**0.010**	**0.010**
02-Mar -12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**	**0.000**
03-Mar -12	0.032	0.000	0.038	0.000	0.000	0.000	0.000	0.000	**0.070**	**0.070**
04-Mar -12	0.000	0.002	0.005	0.000	0.000	0.000	0.000	0.000	**0.007**	**0.007**
05-Mar -12	0.000	0.004	0.000	0.000	0.000	0.000	0.000	0.000	**0.004**	**0.004**
06-Mar -12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.070**	**0.070**
07-Mar -12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**	**0.000**
08-Mar -12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.002**	**0.002**
09-Mar -12	0.003	0.000	0.001	0.000	0.000	0.000	0.000	0.000	**0.006**	**0.006**
10-Mar -12	0.000	0.015	0.000	0.000	0.000	0.000	0.000	0.000	**0.016**	**0.031**
11-Mar -12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.001**	**0.001**
12-Mar -12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.012**	**0.012**
13-Mar -12	0.000	0.000	0.0000	0.000	0.000	0.000	0.000	0.000	**0.018**	**0.246**
14-Mar -12	0.144	0.008	0.000	0.000	0.000	0.000	0.000	0.000	**0.152**	**0.152**
15-Mar -12	0.005	0.000	0.053	0.000	0.000	0.000	0.000	0.000	**0.219**	**0.219**
16-Mar -12	0.000	0.000	0.037	0.000	0.000	0.000	0.000	0.000	**0.037**	**0.037**
17-Mar -12	0.000	0.000	0.059	0.000	0.000	0.000	0.000	0.000	**0.059**	**0.059**
18-Mar -12	0.000	0.006	0.005	0.000	0.000	0.000	0.000	0.000	**0.011**	**0.011**
19-Mar -12	0.000	0.000	0.016	0.000	0.000	0.000	0.000	0.000	**0.016**	**0.016**
20-Mar -12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.005**	**0.005**
21-Mar -12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.017**	**0.017**
22-Mar -12	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.016**	**0.016**
23-Mar -12	0.000	0.0003	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**	**0.0003**
24-Mar -12	0.023	0.007	0.000	0.000	0.000	0.000	0.000	0.000	**0.030**	**0.030**
25-Mar -12	0.000	0.009	0.000	0.000	0.000	0.000	0.000	0.000	**0.037**	**0.037**
26-Mar -12	0.000	0.018	0.001	0.000	0.034	0.000	0.000	0.000	**0.059**	**0.059**
27-Mar -12	0.467	0.000	0.008	0.000	0.000	0.000	0.000	0.000	**0.475**	**0.475**
28-Mar -12	0.007	0.000	0.021	0.000	0.000	0.000	0.000	0.000	**0.038**	**0.038**
29-Mar -12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.001**	**0.001**
30-Mar -12	0.004	0.008	0.000	0.000	0.000	0.000	0.000	0.000	**0.012**	**0.012**
31-Mar -12	0.020	0.000	0.001	0.000	0.024	0.000	0.000	0.000	**0.047**	**0.047**
Total	**0.706**	**0.077**	**0.255**	**0.000**	**0.058**	**0.000**	**0.000**	**0.000**	**1.447**	**1.690**

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-Mar -12	57.611	**3129**	19:00:08	0	**3129**	**3129**	19:00:08	**3129**	0
02-Mar -12	58.465	**3114**	09:51:00	0	**3114**	**3114**	09:51:00	**3114**	0
03-Mar -12	56.393	**2981**	10:27:51	3	**2984**	**2984**	10:27:51	**2981**	3
04-Mar -12	52.632	**2904**	10:14:44	0	**2904**	**2904**	10:14:44	**2904**	0
05-Mar -12	52.734	**3033**	19:00:53	0	**3033**	**3033**	19:00:53	**3033**	0
06-Mar -12	56.840	**3003**	19:05:24	0	**3003**	**3003**	19:05:24	**3003**	0
07-Mar -12	56.033	**2979**	10:27:52	0	**2979**	**2979**	10:27:52	**2979**	0
08-Mar -12	41.153	**2229**	19:12:35	0	**2229**	**2229**	19:12:35	**2229**	0
09-Mar -12	45.581	**2727**	10:35	0	**2727**	**2727**	10:35	**2727**	0
10-Mar -12	47.448	**2825**	10:17:09	0	**2825**	**2825**	10:17:09	**2825**	0
11-Mar -12	48.806	**2761**	10:30	0	**2761**	**2761**	10:30	**2761**	0
12-Mar -12	53.483	**2920**	19:19:10	0	**2920**	**2920**	19:19:10	**2920**	0
13-Mar -12	55.172	**2972**	19:05:10	0	**2972**	**2972**	19:05:10	**2972**	0
14-Mar -12	56.826	**2922**	10:19:19	31	**2953**	**2953**	10:19:19	**2922**	31
15-Mar -12	55.943	**2957**	10:01:10	0	**2957**	**2982**	19:00	**2878**	104
16-Mar -12	60.564	**3003**	19:02:15	0	**3003**	**3003**	19:02:15	**3003**	0
17-Mar -12	58.255	**2968**	10:58:13	3	**2971**	**2971**	10:58:13	**2968**	3
18-Mar -12	51.825	**2736**	19:18:39	0	**2736**	**2736**	19:18:39	**2736**	0
19-Mar -12	57.583	**3241**	19:19:53	0	**3241**	**3241**	19:19:53	**3241**	0
20-Mar -12	60.076	**3230**	19:04:06	1	**3231**	**3231**	19:04:06	**3230**	1
21-Mar -12	55.365	**3008**	19:38:24	0	**3008**	**3008**	19:38:24	**3008**	0
22-Mar -12	54.127	**3026**	19:26:47	0	**3026**	**3026**	19:26:47	**3026**	0
23-Mar -12	55.554	**3093**	09:53:08	0	**3093**	**3093**	09:53:08	**3093**	0
24-Mar -12	54.031	**2939**	20:00:53	0	**2939**	**2939**	20:00:53	**2939**	0
25-Mar -12	52.153	**2800**	19:34:42	0	**2800**	**2800**	19:34:42	**2800**	0
26-Mar -12	55.927	**3119**	19:17:51	0	**3119**	**3119**	19:17:51	**3119**	0
27-Mar -12	59.045	**3251**	19:21:46	8	**3259**	**3259**	19:21:46	**3251**	8
28-Mar -12	61.763	**3260**	19:18:51	3	**3263**	**3263**	19:18:51	**3260**	3
29-Mar -12	62.776	**3211**	19:20:59	0	**3211**	**3211**	19:20:59	**3211**	0
30-Mar -12	61.336	**3316**	19:34:22	0	**3316**	**3316**	19:34:22	**3316**	0
31-Mar -12	60.522	**3187**	19:20:50	0	**3187**	**3187**	19:20:50	**3187**	0
Total	**1716.022**	**3316** 30.03.2012	**19.34.22**	0	**3316** 30.03.2012	**3316**	**19.34.22**	**3316**	0

10 LOAD PATTERN OF DELHI ON THE DAY OF PEAK DEMAND MET DURING MARCH 2012 ON 30.03.2012- 3316MW at 19.34.22HRS.

All figures in MW

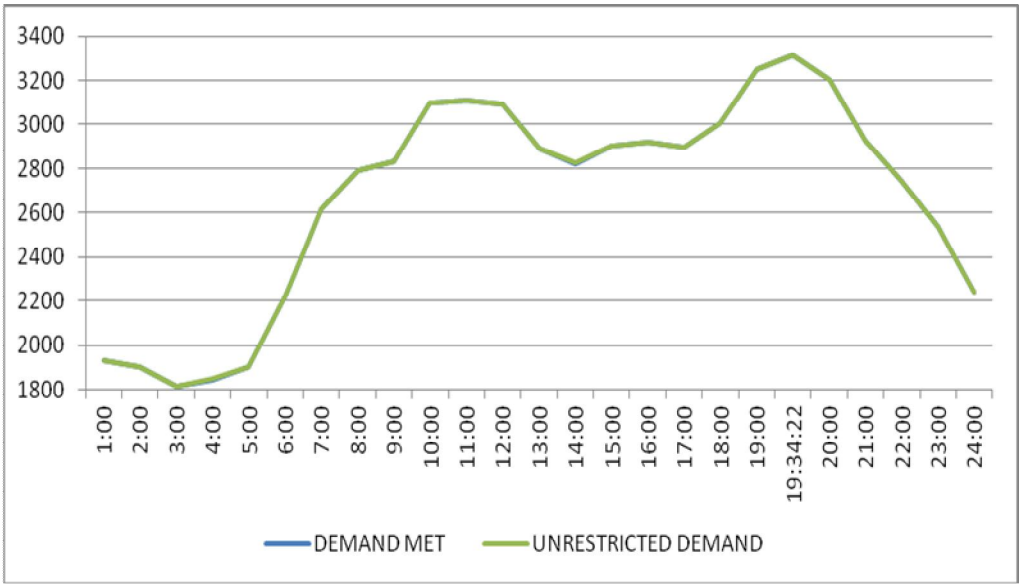
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1	1933	0	1933
2	1902	0	1902
3	1813	3	1816
4	1843	7	1850
5	1901	0	1901
6	2223	0	2223
7	2619	0	2619
8	2789	0	2789
9	2834	0	2834
10	3096	0	3096
11	3113	0	3113
12	3092	0	3092
13	2888	0	2888
14	2817	6	2823
15	2904	0	2904
16	2921	0	2921
17	2894	0	2894
18	3006	0	3006
19	3247	0	3247
19.34.22	3316	0	3316
20	3202	0	3202
21	2926	0	2926
22	2743	0	2743
23	2535	0	2535
24	2241	0	2241
ENERGY IN MUS	**61.336**	**0.012**	**61.348**



11 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UN-RESTRICTED DEMAND DURING MARCH 2012 ON 30.03.2012- 3316MW at 19.34.22HRS.

All figures in MW

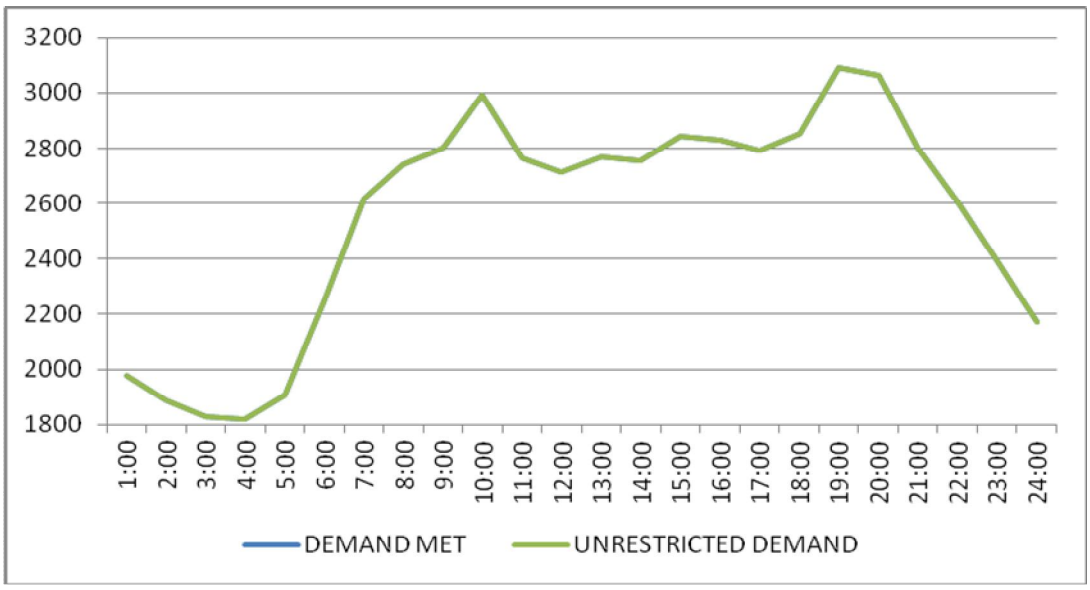
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1	1933	0	1933
2	1902	0	1902
3	1813	3	1816
4	1843	7	1850
5	1901	0	1901
6	2223	0	2223
7	2619	0	2619
8	2789	0	2789
9	2834	0	2834
10	3096	0	3096
11	3113	0	3113
12	3092	0	3092
13	2888	0	2888
14	2817	6	2823
15	2904	0	2904
16	2921	0	2921
17	2894	0	2894
18	3006	0	3006
19	3247	0	3247
19.34.22	3316	0	3316
20	3202	0	3202
21	2926	0	2926
22	2743	0	2743
23	2535	0	2535
24	2241	0	2241
ENERGY IN MUS	**61.336**	**0.012**	**61.348**



12 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM ENERGY CONSUMED DURING MARCH 2012 – 29.03.2012 – 62.776 Mus

All figures in MW

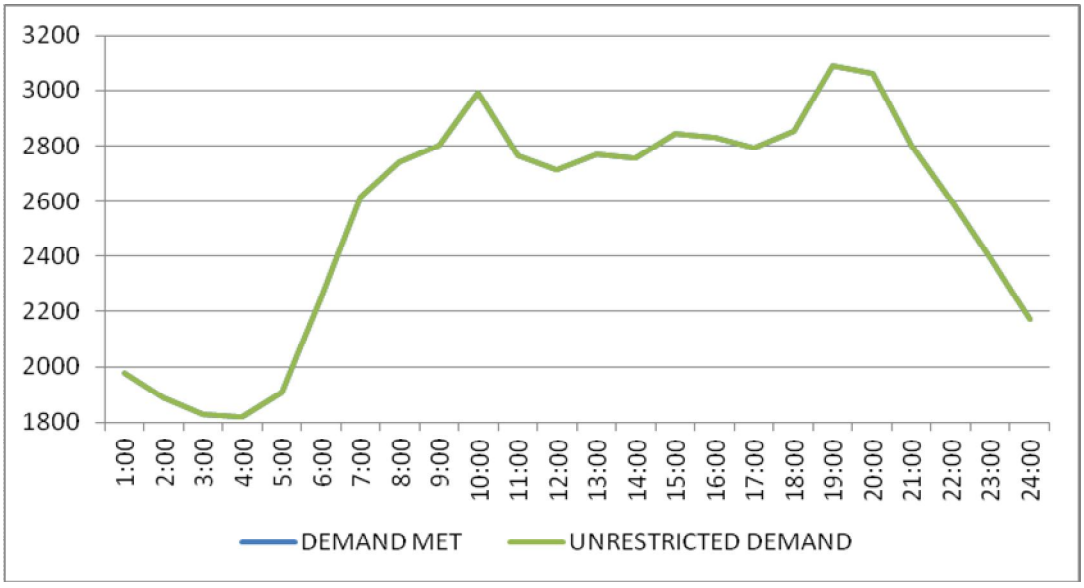
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1	1979	0	1979
2	1887	0	1887
3	1827	0	1827
4	1821	0	1821
5	1907	0	1907
6	2245	0	2245
7	2619	0	2619
8	2743	0	2743
9	2803	0	2803
10	2994	0	2994
11	2767	0	2767
12	2716	0	2716
13	2768	0	2768
14	2754	0	2754
15	2845	0	2845
16	2828	0	2828
17	2793	0	2793
18	2855	0	2855
19	3090	0	3090
20	3063	0	3063
21	2800	0	2800
22	2601	0	2601
23	2393	0	2393
24	2174	0	2174
ENERGY IN MUS	**62.776**	**0.001**	**62.777**



13 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UNRESTRICTED ENERGY DEMAND DURING MARCH 2012 – 29.03.2012 – 62.777 Mus

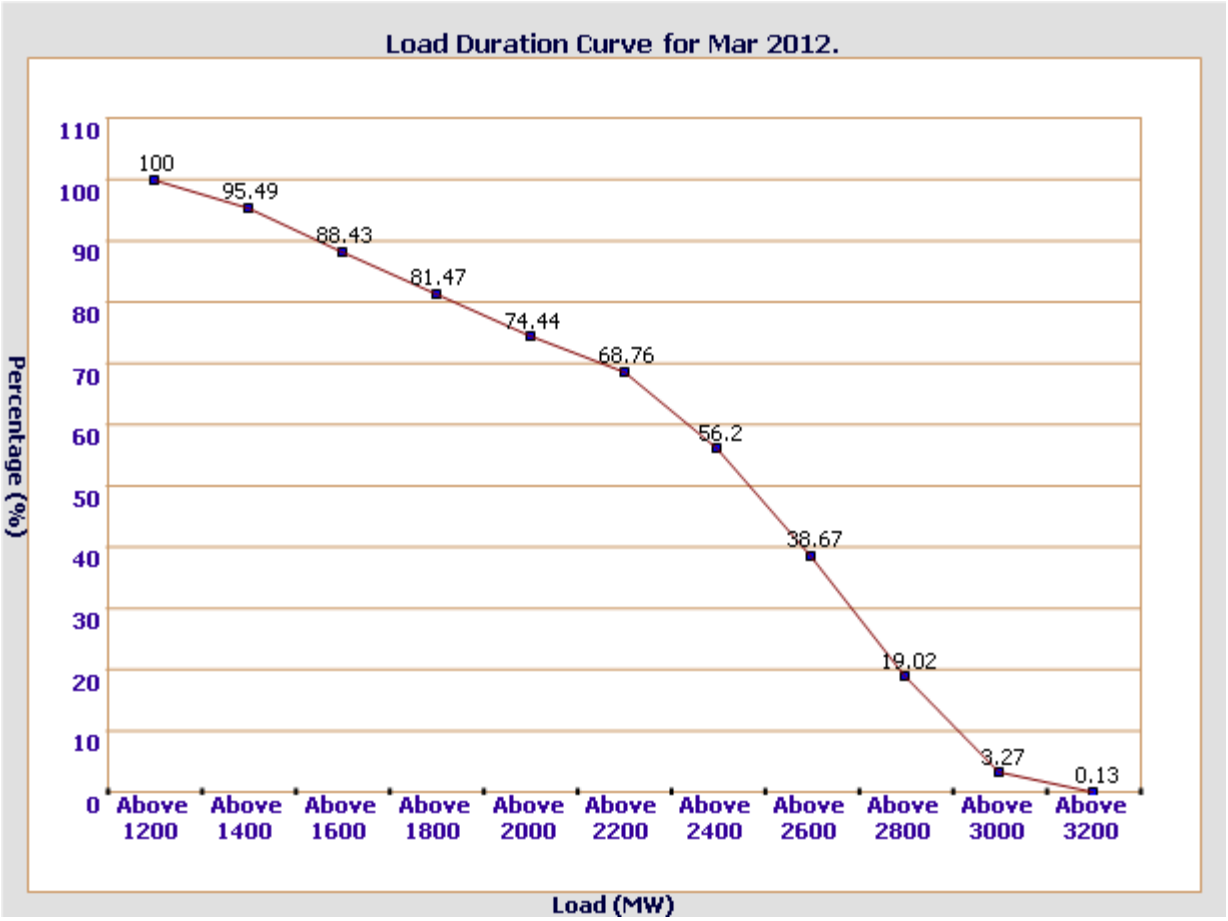
All figures in MW

Hrs.	Demand	Load Shedding	Un-Restricted Demand
1	1979	0	1979
2	1887	0	1887
3	1827	0	1827
4	1821	0	1821
5	1907	0	1907
6	2245	0	2245
7	2619	0	2619
8	2743	0	2743
9	2803	0	2803
10	2994	0	2994
11	2767	0	2767
12	2716	0	2716
13	2768	0	2768
14	2754	0	2754
15	2845	0	2845
16	2828	0	2828
17	2793	0	2793
18	2855	0	2855
19	3090	0	3090
20	3063	0	3063
21	2800	0	2800
22	2601	0	2601
23	2393	0	2393
24	2174	0	2174
ENERGY IN MUS	**62.776**	**0.001**	**62.777**



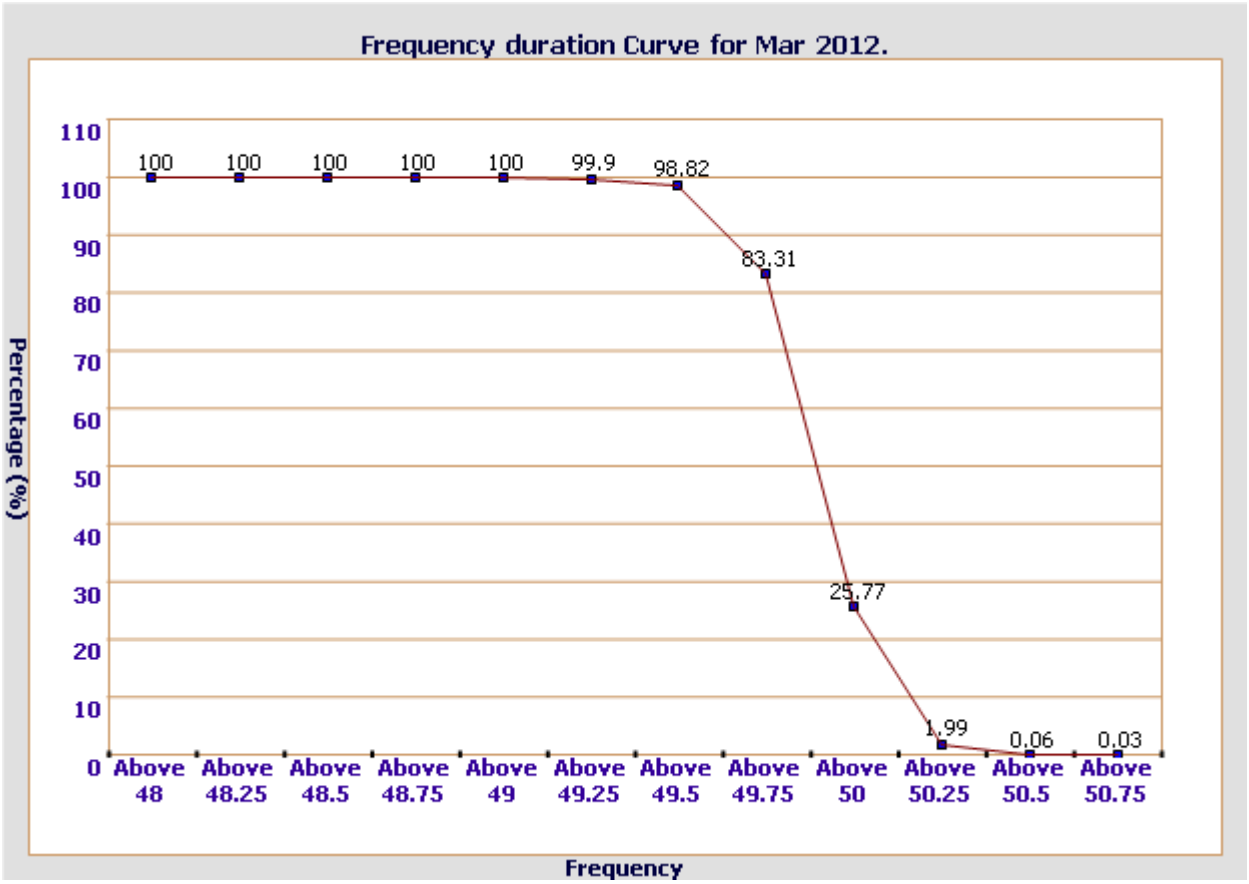
14 LOAD DURATION CURVE FOR MARCH 2012

Load in MW	Percentage of Time
Above 1200	100 %
Above 1400	95.49 %
Above 1600	88.43 %
Above 1800	81.47 %
Above 2000	74.44 %
Above 2200	68.76 %
Above 2400	56.2 %
Above 2600	38.67 %
Above 2800	19.02 %
Above 3000	3.27 %
Above 3200	0.13 %



15 FREQUENCY ANALYSIS FOR THE MONTH OF MARCH 2012

Frequency Range in Hz.	Percentage of time
Above 49	100 %
Above 49.25	99.9 %
Above 49.5	98.82 %
Above 49.75	83.31 %
Above 50	25.77 %
Above 50.25	1.99 %
Above 50.5	0.06 %
Above 50.75	0.03 %



16 VOLTAGE PROFILE OF 220 KV SUB-STATIONS IN DELHI DURING MARCH 2012

All figures in kV

Date	NARELA		GAZIPUR	
	Max	Min	Max	Min
01-Mar -12	242.85	222.34	233.95	218.60
02-Mar -12	--	--	--	--
03-Mar -12	--	--	--	--
04-Mar -12	--	--	--	--
05-Mar -12	--	--	--	--
06-Mar -12	--	--	--	--
07-Mar -12	--	--	--	--
08-Mar -12	--	--	--	--
09-Mar -12	--	--	--	--
10-Mar -12	240.53	219.76	234.72	220.28
11-Mar -12	240.27	224.28	234.72	220.54
12-Mar -12	239.50	224.28	234.34	218.22
13-Mar -12	242.08	222.99	237.56	221.05
14-Mar -12	--	--	--	--
15-Mar -12	239.50	222.09	233.82	219.51
16-Mar -12	238.59	220.41	233.18	216.67
17-Mar -12	238.85	220.41	232.40	217.96
18-Mar -12	236.92	224.02	232.40	222.47
19-Mar -12	236.40	222.09	231.24	219.25
20-Mar -12	233.18	218.22	230.86	219.89
21-Mar -12	238.46	222.99	234.98	222.99
22-Mar -12	239.88	222.86	237.05	218.60
23-Mar -12	238.34	223.38	235.11	217.06
24-Mar -12	234.72	223.76	234.60	218.35
25-Mar -12	239.75	225.44	234.60	219.25
26-Mar -12	--	--	--	--
27-Mar -12	239.63	219.89	234.72	218.60
28-Mar -12	237.82	--	229.18	216.18
29-Mar -12	237.82	--	229.18	216.28
30-Mar -12	--	--	--	--
31-Mar -12	--	--	--	--

17 VOLTAGE PROFILE OF 400 KV SUB-STATIONS IN DELHI DURING MARCH 2012

All figures in kV

Date	400kV Bamnauli Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01-Mar -12	420.21	06.01.11	390.89	13.47.21	406.23
02-Mar -12	--	--	--	--	--
03-Mar -12	--	--	--	--	--
04-Mar -12	--	--	--	--	--
05-Mar -12	--	--	--	--	--
06-Mar -12	--	--	--	--	--
07-Mar -12	--	--	--	--	--
08-Mar -12	--	--	--	--	--
09-Mar -12	--	--	--	--	--
10-Mar -12	419.27	21.51.29	393.24	12.11.36	407.54
11-Mar -12	420.21	21.52.29	395.12	12.17.47	409.99
12-Mar -12	418.56	02.55.26	394.65	10.15.40	411.38
13-Mar -12	426.07	04.00.08	397.23	10.16.00	406.02
14-Mar -12	--	--	--	--	--
15-Mar -12	417.86	20.44.58	394.88	11.08.24	407.52
16-Mar -12	416.69	21.13.02	390.89	12.00.22	405.30
17-Mar -12	415.05	05.37.13	389.72	12.04.36	403.56
18-Mar -12	414.58	18.14.25	398.16	12.08.33	404.95
19-Mar -12	412.47	03.16.07	393.47	12.08.58	403.40
20-Mar -12	412.23	21.52.06	394.41	10.20.15	402.32
21-Mar -12	419.50	03.59.47	399.81	10.24.00	409.20
22-Mar -12	423.72	04.07.54	393.47	18.55.15	411.24
23-Mar -12	420.44	04.04.09	392.30	19.08.11	407.69
24-Mar -12	420.21	04.07.11	391.36	19.11.20	407.44
25-Mar -12	419.27	04.02.11	395.12	19.06.30	409.46
26-Mar -12	--	--	--	--	--
27-Mar -12	419.03	04.06.15	390.43	19.07.35	403.94
28-Mar -12	418.10	04.03.42	392.77	12.13.45	405.94
29-Mar -12	418.10	04.03.42	392.77	12.13.45	405.94
30-Mar -12	--	--	--	--	--
31-Mar -12	--	--	--	--	--

Date	400kV Bawana Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01-Mar -12	426.54	06.02.51	398.16	14.12.32	413.16
02-Mar -12	--	--	--	--	--
03-Mar -12	--	--	--	--	--
04-Mar -12	--	--	--	--	--
05-Mar -12	--	--	--	--	--
06-Mar -12	--	--	--	--	--
07-Mar -12	--	--	--	--	--
08-Mar -12	--	--	--	--	--
09-Mar -12	--	--	--	--	--
10-Mar -12	426.77	21.50.49	401.92	12.11.36	415.86
11-Mar -12	427.47	21.46.09	403.32	12.18.17	418.23
12-Mar -12	426.54	02.55.26	402.85	10.17.30	419.57
13-Mar -12	433.81	04.00.08	377.29	17.37.46	414.38
14-Mar -12	--	--	--	--	--
15-Mar -12	426.07	20.43.58	403.32	11.08.24	415.79
16-Mar -12	424.90	21.13.12	399.34	12.04.02	413.86
17-Mar -12	423.02	03.07.05	398.63	12.05.06	412.37
18-Mar -12	423.02	18.07.45	406.84	12.18.53	413.19
19-Mar -12	420.67	05.04.13	401.92	12.08.28	412.10
20-Mar -12	421.85	21.52.56	404.03	10.51.17	411.62
21-Mar -12	428.41	04.00.07	408.01	10.23.40	417.45
22-Mar -12	429.82	04.07.04	400.51	18.55.15	416.82
23-Mar -12	427.24	04.04.09	399.34	19.08.11	414.87
24-Mar -12	426.54	04.06.11	399.34	19.11.10	414.86
25-Mar -12	426.54	04.20.32	401.68	19.06.30	416.60
26-Mar -12	--	--	--	--	--
27-Mar -12	426.07	04.06.15	396.76	19.07.35	409.45
28-Mar -12	422.79	04.03.42	398.63	12.13.24	411.58
29-Mar -12	422.79	04.03.42	398.63	12.13.24	411.58
30-Mar -12	--	--	--	--	--
31-Mar -12	--	--	--	--	--

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 MARCH 2012

SL NO.	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
01	04.03.12	14.04	66/33KV 30MVA PR. TR.-I AT PARK STREET	05.03.12	12.57	TR. TRIPPED ON LBB PROTECTION, 95C, 86, OLTC BUCHLOZ
02	04.03.12	23.11	220/66KV 160MVA PR. TR-I & II AT PRAGATI	04.03.12	23.23	BOTH TRANSFORMERS TRIPPED ON OLTC, 30B, 30C, WIND. TEMP. HIGH, 86.
03	06.03.12	23.12	220KV BTPS – MEHRAULI CKT-II	07.03.12	13.50	CKT. TRIPPED ON 30G, E/F, 30A, O/C, 186 AUXILIARY RELAY, 86X1, 86X2 AT BTPS AND ON DIST PROT `ABC' PHASE ZONE-I, BACK UP PROTECTION AT MEHRAULI
04	08.03.12	09.38	220KV MANDOLA – GOPALPUR CKT-I	08.03.12	09.40	CKT. TRIPPED ON DIST PROT `ABC' PHASE ZONE-I AT MANDOLA AND ON DIST PROT RYB PHASE ZONE-I AT GOPALPUR
05	10.03.12	14.41	33/11KV 16MVA PR. TR.-I AT SUBZI MANDI	10.03.12	20.20	TR. TRIPPED ON 86, 87 'Y' PHASE
06	12.03.12	16.55	33/11KV 16MVA PR. TR.-I AT SUBZI MANDI	12.03.12	20.19	TR. TRIPPED ON 86, 87 `R' PHASE. LV SIDE BUSING ALSO FLASHED.
07	13.03.12	04.01	400KV MUNDKA – JHAJJAR CKT-I	13.03.12	15.10	CKT. TRIPPED ON 86A&B AT MUNDKA AND ON OVER VOLTAGE AT JHAJJAR
08	13.03.12	17.37	220KV MANDOLA – GOPALPUR CKT-I & II	13.03.12	18.05	BOTH CKTS. TRIPPED ON 85LO, 186A, 186B, 86 AT MANDOLA. NO TRIPPING AT GOPALPUR CKT. TRIPPED DUE TO FAILURE OF 400KV HVDC DADRI – RIHAND CKTS ON SPS.
09	13.03.12	17.37	220KV MANDOLA – NARELA CKT-I & II	13.03.12	18.07	CKT. TRIPPED ON 85LO, 186B, 186A, 86 AT MANDOLA. THE CKT. TRIPPED ON SPS.
10	14.03.12	17.48	220KV MANDOLA – WAZIRABAD CKT-IV	14.03.12	20.27	CKT. TRIPPED ON CB AUTO TRIP, AUTO RECLOSE LOCK OUT AT MANDOLA AND ON DIST PROT `RYB' PHASE, ZONE-I, SOTF L1-L2 AT WAZIRABAD.
11	15.03.12	00.51	220KV MAHARANI BAGH – PRAGATI CKT.	17.03.12	15.47	CKT. TRIPPED ON DIST PROT `ABC' PHASE ZONE-I AT PRAGATI AND ON DIST PROT AT MAHARANI BAGH. `Y' PHASE CONDUCTOR FOUND BROKEN BETWEEN TOWER NO.1 & 2. FIRE OBSERVED AT ISOLATORS OF 220KV PRAGATI CKT AT SARITA VIHAR. DUE TO THIS PRAGATI CKT MADE OF MANUALLY. DUE TO THE INCIDENT, PRAGATI GRID COMPRISING PRAGATI UNIT-I, II & STG, RPH AND GT ISLANDED FROM THE GRID. ISLAND SURVIVED WITH GT AND RPH UNITS.
12	15.03.12	18.48	220/33KV 50MVA PR. TR.-I AT OKHLA	16.03.12	01.50	TX TRIPPED ALONG WITH 33KV I/C-I ON 51A, 95C, 86 ALONG WITH 33KV I/C-I
13	16.03.12	06.35	220KV NAJAFGARH – KANJHAWALA CKT.	16.03.12	06.46	CKT. TRIPPED ON 186 AT NAJAFGARH. NO TRIPPING AT KANJHAWALA.
14	17.03.12	12.22	220KV BAWANA – DSIDC CKT-I	17.03.12	17.30	CKT. TRIPPED ON DIST PROT `A' PHASE ZONE-I AT BAWANA. NO TRIPPING AT DSIDC.
15	18.03.12	06.54	400/220KV 315MVA ICT-IV AT BAMNAULI	18.03.12	07.51	ICT TRIPPED ON TRIP RELAY GROUP-B, 186A, 186B LO ALONG WITH 220KV I/C-IV WHICH TRIPPED WITHOUT INDICATIONS.
16	18.03.12	06.54	220KV BAMNAULI – PAPPANKALAN-II CKT-II	18.03.12	12.37	CKT. TRIPPED ON DIST PROT `C' PHASE AT BAMNAULI AND ON DIST PROT `C' PHASE ZONE-I AT PAPPANKALAN-II.

SL NO.	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
17	18.03.12	06.54	220/66KV 100MVA PR. TR-I AT PAPPANKALAN-II	18.03.12	07.50	TR. TRIPPED ON E/F, MASTER RELAY
18	21.03.12	04.35	220KV PANIPAT – NARELA CKT-I	21.03.12	04.45	CKT. TRIPPED ON DIST PROT `ABC' PHASE ZONE-I AT NARELA. NO TRIPPING AT PANIPAT.
19	21.03.12	17.54	220KV MANDOLA – GOPALPUR CKT-I	21.03.12	18.20	CKT. TRIPPED ON DIST PROT 'R' PHASE ZONE-I AT MANDOLA AND ON DIST PROT ZONE-I, MAIN-I `RYB' PHASE MAIN-II : `RY' PHASE AT GOPALPUR
20	22.03.12	06.54	220/66KV 160MVA PR. TR.-III AT MUNDKA	22.03.12	09.45	TR. TRIPPED ON VISUAL AUDIO ALARM, GRB TRIP ALONG WITH ITS 66KV I/C WHICH TRIPPED ON GENERAL TRIP, MASTER TRIP, DIRECTIONAL O/C.
21	24.03.12	12.44	220KV BTPS – MEHRAULI CKT-I	24.03.12	18.24	CKT. TRIPPED ON DIST PROT ZONE-I, 30C, 30G, 186 AT BTPS AND ON DIST PROT `ABC' PHASE ZONE-II AT MEHRAULI. KITE THREAD FOUND LYING BETWEEN TOWER NO.11 & 12.
22	26.03.12	11.45	220KV BTPS – NOIDA – GAZIPUR CKT.	26.03.12	12.18	CKT. TRIPPED ON 186AB, 86A-N AT BTPS. NO TRIPPING AT GAZIPUR
23	29.03.12	13.11	220KV SARITA VIHAR – PRAGATI CKT.	29.03.12	14.12	CKT. TRIPPED ON DIST PROT AT PRAGATI AND ON DIST PROT `C' PHASE ZONE-I, 195CC, 186A, 186B AT SARITA VIHAR
24	31.03.12	21.55	220KV BTPS – NOIDA – GAZIPUR CKT.	31.03.12	23.05	CKT. TRIPPED ON 186B AT BTPS. NO TRIPPING AT GAZIPUR. CT REPORTED BLAST AT NOIDA.
25	31.03.12	23.35	220/66KV 100MVA PR. TR.-III AT NARELA	31.03.12	23.51	TR. TRIPPED ON 86.

20 DETAILS OF UNDER FREQUENCY RELAY OPERATIONS IN DELHI POWER SYSTEM DURING THE MONTH OF MARCH 2012

DATE	S. N.	TIME		Name of Grid	NAME OF AFFECTED FEEDERS	LOAD RELIEF IN MW
		OUT	IN			
				NIL		