DELHI TRANSCO LTD.

STATE LOAD DISPATCH CENTER

PROGRESS REPORT

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MARCH - 2011

1 SALIENT FEATURES OF DELHI POWER SYSTEM

Sr. No.	Features	MAR 2010	MAR 2011
1	**Effective Generation Capacity within Delhi in MW**		
	Rajghat Power House	135	135
	Gas Turbine	270	270
	Pragati Power Corporation Ltd.	330	330
	Rithala	0	73
	Badapur Thermal Power Station	705	705
	Total	1440	1513
2	**Maximum Unrestricted Demand (MW)**	**3411**	**3418**
	Date	26.03.2010	29.03.2011
	Time	19.20.11	19.25.18
3	**Peak Demand met (MW)**	**3411**	**3412**
	Date	26.03.2010	29.03.2011
	Time	19.20.11	19.25.18
4	Peak Availability (MW)	3410	3286
5	Shortage (-) / Surplus (+) in MW	(-)1	(-)126
6	Percentage Shortage (-) / Surplus (+)	(-)0.03	(-)3.69
7	Maximum Energy Consume in a day (Mus)	68.935	62.131
8	Energy Consumed during the month	**1741.085**	**1670.025**
9	**Load Shedding in Mus**		
A)	Due to Grid Restrictions		
i)	Under Frequency Relay Operations	0.276	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	0.186	0.230
	BRPL	0.468	0.097
	BYPL	0.549	0.000
	NDMC	0.000	0.000
	MES	0.000	0.000
iv)	Due to transmission Constraints in Central Sector	1.203	0.000
	Total due to Grid Restriction	**1.479**	0.327
B)	Due to Constraints in System in Mus		
	DTL	0.478	0.532
	NDPL	3.775	0.258
	BRPL	0.306	0.258
	BYPL	0.311	0.150
	NDMC	0.000	0.000
	MES	0.000	0.000
	Other Agencies	0.097	0.000
	Total	**4.967**	**1.198**
11	**Grand Total in Mus**	**6.446**	**1.525**

2. PERFORMANCE OF GENERATING STATIONS WITHIN DELHI DURING MAR 2011

A) For the month of March 2011

All Figures in MUs

S. No	Stations	Gross Generation	Aux. Consumption	Net Generation	Availability (%)	Backing Down
1.	**RPH**	86.46400	9.93300	76.53100	86.78	--
2.	**GT**	114.35700	3.62800	110.72900	70.75	27.51225
3.	**PPCL**	59.82300	1.04900	58.77400	37.70	32.016
4.	**BTPS**	453.95100	49.93461	404.01639	96.21	54.58
5.	**Rithala**	20.24300	0.36300	19.88000	--	--
	TOTAL	**734.838**	**64.90761**	**669.93039**		

B) For the Year 2010-11 (Upto March 2011)

Power Station	Effective Capacity (MW)	Net Generation in MUs For Mar 2011	Availability (%) For Mar 2011	PLF (%) For Mar 2011	Cumulative Generation in MUs upto Mar 2011 for the year 2010-11	Cumulative Availability in % upto Mar 2011 for the year 2010-11	Cumulative PLF in % upto Mar 2011 for the year 2010-11
RPH	135	76.53100	86.78	86.78	689.93000	75.98	66.96
GT	270	110.72900	70.75	56.63	1321.65900	81.91	58.65
PPCL	330	58.77400	37.70	24.25	2273.42100	86.31	80.44
BTPS	705	404.01639	96.21	84.51	**4175.06037**	90.17	74.45
Rithala	**73**	19.88000	--	--	**87.05100**	--	--
TOTAL	**1440**	**669.93039**			**8547.121374**		

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**	02.04.10	01.00	02.04.10	01.43	Boiler drum level low
		02.04.10	14.50	02.04.10	16.27	Tripped alongwtih trippings of associated transmission lines.
		11.04.10	22.13	11.04.10	23.08	Electrical Problem
		17.04.10	00.56	26.06.10	11.53	Planned shut-down for over-hauling of generator.
		26.06.10	12.56	26.06.10	14.25	Furnace pressure very low.
		27.06.10	14.28	05.07.10	00.50	Drum level low.
		10.07.10	15.45	10.07.10	20.02	Due to power loss.
		12.07.10	20.05	13.07.10	06.06	Turbine trip
		13.07.10	12.02	13.07.10	13.41	Flame failure
		13.07.10	18.33	13.07.10	20.21	Tripped along wtih trippings of associated transmission lines.
		15.07.10	10.39	19.07.10	13.14	Auxiliary transformer tripped.
		24.07.10	20.23	26.07.10	09.58	Boiler Tube Leakage
		31.07.10	12.25	31.07.10	14.07	Boiler trip.
		01.08.10	07.30	03.08.10	05.25	Furnace pressure very low.
		03.08.10	16.04	03.08.10	17.50	Loss of oil fuels
		08.08.10	07.28	08.08.10	08.10	Flame failure
		22.08.10	00.03	23.08.10	15.28	Flame failure
		25.08.10	03.00	29.08.10	08.25	Ash formed in coal bunker
		30.08.10	11.00	30.08.10	11.02	Flame failure
		09.09.10	20.45	02.09.10	21.10	Boiler tripped
		04.09.10	02.15	04.09.10	10.23	Due to tripping of bus bar
		05.09.10	18.07	07.09.10	02.47	Reserve shut-down
		08.09.10	13.09	08.09.10	22.42	Flame failure
		09.09.10	09.40	09.09.10	11.10	Drum level low
		16.09.10	04.02	18.10.10	06.47	Failure of boiler and due to Commonwealth Games.
		21.10.10	13:05	21.10.10	13:48	Flame failure
		21.10.10	19.57	22.10.10	13.32	Boiler drum trip
		23.10.10	21.40	26.10.10	01.44	No coal flow
		26.10.10	00.24	27.10.10	02.22	Boiler drum trip
		05.11.10	08.44	08.11.10	04.02	Boiler Tube Leakage
		17.11.10	13.13	20.11.10	17.00	Boiler Tube Leakage
		03.12.10	23.19	08.12.10	23.42	Boiler Tube Leakage
		08.12.10	23.50	13.12.10	04.40	Boiler Tube Leakage
		28.12.10	14.02	29.12.10	19.52	Boiler Tube Leakage
		04.02.11	15.40	07.02.11	19.15	Boiler Tube Leakage
		12.02.11	11.13	12.02.11	11.30	Flame failure
		23.02.11	15.33	05.03.11	00.20	Boiler Tube Leakage
		01.03.11	00.00	03.03.11	00.20	Boiler Tube Leakage
		17.03.11	00.35	17.03.11	01.37	Furnance flame failure
		17.03.11	03.22	17.03.11	06.58	Drum level low
2	**67.5**	02.04.10	14.55	02.04.10	16.45	Tripped along wtih trippings of associated transmission lines.
		20.04.10	13.42	21.04.10	17.12	Low furnace pressure
		28.04.10	18.39	28.04.10	19.23	Low vacuum

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
2	67.5	01.05.10	18.15	01.05.10	20.52	Tripped along wtih trippings of associated transmission lines.
		05.05.10	06.45	05.05.10	08.12	Furnace pressure low
		08.05.10	17.28	08.05.10	18.29	Drum level low
		09.05.10	03.48	09.05.10	05.17	Flame failure
		26.05.10	12.25	26.05.10	14.20	33kV bus differential operated
		28.05.10	05.55	29.05.10	07.17	Drum level low
		02.06.10	06.25	02.06.10	07.24	Electrical problem
		13.06.10	15.42	13.06.10	18.39	Tripped along wtih trippings of associated transmission lines.
		22.06.10	07.48	22.06.10	09.09	Furnace pressure low
		07.07.10	10.55	07.07.10	12.08	Flame failure
		10.07.10	15.45	10.07.10	20.01	Tripped along wtih trippings of associated transmission lines.
		19.07.10	14.39	19.07.10	15.19	Turbine tripped
		20.07.10	18.12	20.07.10	19.57	Turbine tripped.
		21.07.10	04.45	21.07.10	05.47	Turbine tripped.
		25.07.10	12.16	25.07.10	15.10	Under frequency relay operated
		11.08.10	11.24	11.08.10	11.54	High furnace pressure
		22.08.10	09.37	22.08.10	19.11	Coal flow very low
		03.09.10	19.37	04.09.10	01.01	Due to bus bar tripping
		05.09.10	10.25	18.10.10	06.34	Boiler tube leakage. Machines could not be synchronized due to CWG
		18.10.10	09.42	18.10.10	10.37	Boiler drum tripped
		20.10.10	15.54	21.07.10	22.00	Turbine tripped
		24.10.10	14.38	24.10.10	21.24	Turbine tripped
		28.10.10	00.15	31.10.10	19.20	Boiler tube leakage
		13.11.10	16.42	18.11.10	17.25	Electrical Problem
		12.12.10	09.59	12.12.10	10.45	Electrical Problem
		15.02.11	19.22	15.02.11	20.08	Turbine vibration high
		19.02.11	15.48	19.02.11	16.44	Drum level low
		20.02.11	00.20	23.02.11	14.50	Boiler Tube Leakage
		21.03.11	06.42	21.03.11	08.03	Boiler problem

(B) Gas Turbine

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	30	11.05.10	17.58	11.05.10	20.07	FSNL due to tripping of 160 MVA Txr. Buchholz and E/F
		15.05.10	14.02	15.04.10	15.34	To attend the hot spot
		28.05.10	05.22	28.05.10	22.15	Due to heavy blast in 11KV Breaker
		30.05.10	12.55	31.05.10	11.12	Stopped due to high under drawal at high frequency.
		07.06.10	09.22	08.06.10	21.08	
		10.06.10	00.10	10.06.10	08.07	Due to overloading of 160 MVA Tx
		02.07.10	15.12	07.01.20	15.54	Gas fuel hydraulic trip pressure low
		04.07.10	21.31	05.07.10	13.28	Tripped due to tripping of 160 MVA TX at IP End and after that machine not taken on bar due high frequency
		06.07.10	07.37	06.07.10	09.15	Tripped due to tripping of 160 MVA TX at Pragati

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	30	08.07.10	07.15	08.07.10	13.00	Gas fuel hydraulic trip pressure low
		08.07.10	13.00	08.07.10	21.10	Stopped due to high under drawal at high frequency.
		12.07.10	11.02	12.07.10	12.05	Gas fuel hydraulic trip pressure low
		12.07.10	20.15	14.07.10	02.42	Stopped due to high under drawal at high frequency.
		14.07.10	06.04	14.07.10	06.55	Gas fuel hydraulic trip pressure low
		14.07.10	19.42	14.07.10	20.40	Gas fuel hydraulic trip pressure low
		18.07.10	07.24	18.07.10	14.19	Due to shut-down of 160 MVA Tx.
		20.07.10	15.31	21.07.10	07.52	Stopped due to high under drawal at high frequency.
		22.07.10	18.50	24.07.10	14.55	
		25.07.10	00.02	29.07.10	11.27	
		31.07.10	11.00	12.08.10	11.27	
		12.08.10	18.55	14.08.10	22.18	C&I Problem. After clearance from C&I GT not taken on load due to swapping of gas to PPCL
		15.08.10	11.08	28.08.10	23.10	Stopped due to high under drawal at high freq. Machine could not sync-hronized after 15:30hrs. as voltage not build up more than 9.5KV.
		03.09.10	09.02	30.09.10	14.22	Stopped due to high under drawal at high frequency.
		04.10.10	06.05	06.10.10	10.55	
		11.10.10	12.15	11.10.10	13.25	Problem in emergency push button switch
		26.10.10	00.02	26.11.10	10.50	Stopped due to high under drawal at high frequency
		26.11.10	12.05	29.11.10	05.50	
		30.11.10	00.15	30.11.10	06.55	
		09.12.10	00.04	09.12.10	06.25	
		11.12.10	00.05	11.12.10	06.24	
		14.12.10	00.04	14.12.10	06.20	
		14.12.10	00.04	14.12.10	06.19	
		20.12.10	21.05	21.12.10	06.26	
		23.12.10	00.02	23.12.10	05.52	
		28.12.10	18.10	29.12.10	23.59	Machine stopped to avoid overloading of 160 MVA Txr-2.
		30.12.10	02.35	30.12.10	06.40	Stopped due to high under drawal at high frequency
		31.12.10	21.46	31.12.10	23.59	
		01.01.11	0.00	01.01.11	20.30	
		03.01.11	00.05	05.01.11	11.45	
		08.01.11	14.45	08.01.11	15.26	Machine tripped as on jerk due to tripping of 160MVA Tx-I & II
		08.01.11	17.18	08.01.11	19.58	Unit tripped due to tripping of 160 MVA Tx-I & II while energization of 66 KV Akshardham Ckt.
		20.01.11	00.02	22.01.11	06.23	Stopped due to high under drawal at high frequency
		22.01.11	17.50	03.02.11	23.59	
		04.02.11	00.00	25.03.11	16:35	Machine taken for Major Inspection
		25.03.11	19:00	25.03.11	23:59	Machine stopped for inspection
		26.03.11	00:00	28.03.11	18:45	Stopped as available on available in open cycle mode
		28.03.11	20:35	29.03.11	14:30	
		29.03.11	22:15	30.03.11	13:40	
		31.03.11	15:10	31.03.11	23:59	

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
2	30	11.05.10	17.58	11.05.10	20.30	FSNL due to tripping of 160 MVA Txr. Buchholz and E/F
		30.05.10	13.45	31.05.10	09.19	Machine stopped to avoid overloading of 160 Mva Tx as one 100MVA Transformer was under replacement with 160MVA Tx at IP Extension
		07.06.10	14.19	07.06.10	18.55	
		20.06.10	08.35	20.06.10	11.02	Tripped without any alarm
		04.07.10	21.31	05.07.10	07.47	Tripped due to tripping of 160 MVA TX at IP End and after that machine not taken on bar due to high freq.
		06.07.10	07.23	06.07.10	10.03	Tripped due to tripping of 160 MVA TX at IP End.
		08.07.10	14.58	08.07.10	19.32	
		12.07.10	21.12	13.07.10	21.39	Stopped due to high under drawal at high frequency.
		18.07.10	07.58	18.07.10	12.26	Due to shut-down of 160 MVA Tx.
		20.07.10	13.01	21.07.10	04.13	Stopped due to high under drawal at high frequency.
		22.07.10	21.47	24.07.10	07.35	
		25.07.10	01.50	29.07.10	13.18	
		31.07.10	11.00	09.08.10	12.31	
		11.08.10	18.25	12.08.10	11.20	
		12.08.10	12.48	12.08.10	19.45	
		13.08.10	12.30	28.08.10	15.15	Swapping of gas to PPCL.
		01.09.10	22.33	01.10.10	16.00	Stopped due to low demand and high frequency.
		01.10.10	16.00	10.01.10	18.40	Oil leakage from load gear box
		26.10.10	00.02	29.11.10	06.10	Stopped due to low demand and high frequency.
		14.12.10	14.40	14.12.10	15.20	Electrical problem
		16.12.10	00.05	16.12.10	07.12	Stopped due to low demand and high frequency.
		24.12.10	11.55	25.12.10	16.05	Due to tripping of 160MVA Tx-i
		04.01.11	00.05	04.01.11	19.12	Machine stopped as generation on Spot R-LNG is not required by SLDC
		08.01.11	14.45	08.01.11	15.26	Machine tripped as on jerk due to tripping of 160MVA Tx-I & II
		08.01.11	17.18	08.01.11	18.20	Unit tripped due to tripping of 160 MVA Tx-I & II while energization of 66 KV Akshardham Ckt.
		08.01.11	21.05	08.01.11	22.24	
		22.01.11	17.50	08.02.11	12.20	Machine tripped in the jerk caused due to tripping of STG#1.
		08.02.11	20.32	09.02.11	11.10	Machine is available on open cycle and on Spot R-LNG
		09.02.11	20.15	10.02.11	12.30	
		14.02.11	16.15	27.02.11	23.59	
		01.03.11	00:00	02.03.11	12:12	
		02.03.11	18.07	14.03.11	17.30	
		15.03.11	00.01	16.03.11	07.55	
		16.03.11	20.45	18.03.11	08.57	
		18.03.11	19.25	23.03.11	14.47	
		24.03.11	00.07	24.03.11	07.17	
		25.03.11	00.02	25.03.11	19.37	
		26.03.11	00.05	26.03.11	19.25	
		27.03.11	00.05	31.03.11	23.59	
3	30	01.05.10	06.05	01.05.10	18.35	Stopped to clean PHE
		28.05.10	10.20	28.05.10	11.27	Tripped on battery under voltage.
		01.06.10	23.55	02.06.10	08.28	To avoid overloading of 160MVA Tx
		04.06.10	12.02	04.06.10	16.04	Condensate level high.

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
3	30	06.06.10	09.42	07.06.10	14.10	To avoid overloading of 160 Mva Tx as one 100MVA Tx was under replacement with 160MVA Tx at IP Extension
		14.06.10	09.24	14.06.10	11.08	
		12.07.10	09.00	12.07.10	14.15	Machine not available due to problem in Diesel Engine of GT
		12.07.10	14.15	14.07.10	10.25	Stopped due to high under drawal at high frequency.
		17.07.10	12.20	19.07.10	15.42	Loss of Excitation.
		20.07.10	15.22	23.07.10	12.01	To regulate the load of Radial feeders as 160MVA Tx tripped on Buchholtz relay. After 19:17 hrs machine not taken on bar due to low demand
		11.08.10	17.55	12.08.10	12.39	Stopped due to high under drawal at high frequency.
		13.08.10	12.32	14.08.10	06.15	Due to swapping of gas to PPCL.
		15.08.10	11.00	15.08.10	17.13	Stopped due to high under drawal at high frequency.
		26.08.10	19.32	27.08.10	07.20	
		02.09.10	00.20	06.09.10	12.01	
		06.09.10	13.54	06.09.10	15.15	Machine tripped on Y-Phase Bus Bar differential relay on BB-3 and BB-4.
		10.09.10	16.04	28.09.10	18.25	Stopped due to high under drawal at high frequency.
		01.10.10	00.35	01.10.10	01.15	Due to problem in CRT
		15.10.10	22.20	19.10.10	23.59	Gas restriction
		25.10.10	14.05	25.10.10	18.44	Gas restriction
		28.10.10	16.41	30.11.10	23.59	Stopped due to high under drawal at high frequency.
		04.12.10	00.05	04.12.10	16.56	
		05.12.10	00.05	05.12.10	05.30	
		17.12.10	00.05	17.12.10	10.03	
		25.12.10	15.30	25.12.10	18.25	
		01.01.11	21.05	03.01.11	05.50	
		06.01.11	16.05	08.01.11	11.21	
		08.01.11	14.31	10.01.11	06.25	
		12.01.11	00.05	12.01.11	05.50	
		13.01.11	02.01	13.01.11	11.31	
		14.01.11	00.02	14.01.11	06.30	
		14.01.11	13.20	14.01.11	14.20	Machine tripped on combined cycle alarm trip relay.
		14.01.11	14.20	15.01.11	09.50	Stopped due to high under drawal at high frequency.
		15.01.11	20.05	16.01.11	13.55	
		17.01.11	07.00	17.01.11	07.25	Came on FSNL due to tripping of both 160 MVA Tx-I #II at Pragati end.
		17.01.11	23.25	18.01.11	11.10	Stopped due to high under drawal at high frequency.
		18.01.11	23.31	19.01.11	07.34	
		31.01.11	07.31	31.01.11	10.15	Machine tripped on high TAD
		02.02.11	06.07	03.02.11	06.21	Due to swapping of gas to PPCL
		10.02.11	21.15	11.02.11	21.07	Machine stopped as available on spot R-LNG.
		20.03.11	10.47	21.03.11	06.40	
		26.03.11	00.05	26.03.11	20.32	
		31.03.11	11.20	31.03.11	14.50	Tripped due to field failure alarm showing on gen. protection panel.
		31.03.11	16.16	31.03.11	18.40	Stopped due to C&I

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
4	**30**	01.04.10	00.00	24.05.10	15.35	Planned shut-down
		24.05.10	18.02	24.05.10	22.50	Tripped on LTTH high.
		27.05.10	10.35	27.05.10	13.45	Take on FSNL to adjust the load.
		28.05.10	01.10	28.05.10	03.00	Tripped without any alarm.
		29.05.10	03.10	29.05.10	03.45	Tripped without any alarm.
		29.05.10	05.10	29.05.10	05.57	Tripped without any alarm.
		29.05.10	20.25	29.05.10	21.25	Came on FSNL
		03.06.10	14.10	03.06.10	15.30	Generator Stator overheating alarm
		05.06.10	05.46	07.06.10	08.29	To avoid overloading of 160 MVA Tx as one 100MVA Tx was under replacement with 160MVA Tx at IP Extension
		28.06.10	01.10	28.06.10	01.50	Came on FSNL
		29.06.10	14.50	29.06.10	16.10	Tripped without any alarm
		14.07.10	21.31	12.07.10	09.00	Tripped due to tripping of 160 MVA TX at IP End and after that machine not taken on bar due to low demand.
		12.07.10	09.00	12.07.10	18.15	Problem in DC EOP of GT
		12.07.10	18.15	14.07.10	11.33	Stopped due to high under drawal at high frequency.
		14.07.10	11.33	16.07.10	17.25	Due to problem in Mark-VI
		20.07.10	15.35	20.07.10	16.27	Machine came on FSNl due to jerk in the system
		20.07.10	21.01	24.07.10	05.45	Stopped due to high under drawal at high frequency.
		19.08.10	14.39	19.08.10	16.57	Tripped on loss of flame.
		19.08.10	17.35	19.08.10	22.53	Stopped due to high under drawal at high frequency.
		05.09.10	07.50	05.09.10	11.25	Tripped on following alarms lost communication with Controller R,S &T. Field failure alarm appeared on protection panel.
		06.09.10	13.54	06.09.10	14.35	Machine tripped on Y-Phase Bus Bar differential relay on BB-3 &4
		15.09.10	15.10	15.09.10	15.48	Machine came on FSNL due tripping of 160 MVA Tx
		22.09.10	21.11	28.09.10	11.57	Due to low demand and high freq.
		18.10.10	07.30	18.10.10	10.27	Tripped on Generator GAC Electrical Problem alarm
		25.10.10	14.10	29.11.10	19.57	Stopped due to high under drawal at high frequency
		03.12.10	00.01	03.12.10	05.05	
		12.12.10	00.02	12.12.10	06.32	
		17.12.10	00.05	17.12.10	09.48	
		19.12.10	15.35	20.12.10	06.20	
		21.12.10	21.05	22.12.10	06.25	
		08.01.11	14.25	08.01.11	15.27	Machine tripped on heavy jerk due to tripping of 160MVA Tx-I & II
		08.01.11	17.18	08.01.11	18.57	Both the 160MVA Tx tripped while energization of 66KV Akshardham ckt
		08.01.11	21.05	11.01.11	10.37	Machine tripped due to tripping of both the 160 MVA Tx. Later not taken on load due to high frequen
		14.01.11	16.30	17.01.11	20.08	Stopped due to high frequency and low demand
		03.02.11	14.20	03.02.11	15.24	Tripped on high LTTH
		28.02.11	15.01	28.02.11	17.25	C&I Inspection
		04.03.11	13.31	04.03.11	16.25	Machine stopped for changing of battery.
		20.03.11	10.50	21.03.11	05.57	Due to low demand and high freq.
		21.03.11	06.03	21.03.11	11.06	Machine tripped and following alarm appeared 1) IGV open alarm 2) IGV position servo fault .

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
5	30	01.04.10	00.00	01.04.10	01.30	Hydraulic pressure low
		25.04.10	11.32	25.04.10	14.55	To change generator absolute filter.
		07.05.10	18.20	08.05.10	16.35	Stopped due to high frequency.
		01.06.10	20.50	01.06.10	23.16	GT came on FSNL
		03.06.10	01.15	03.06.10	08.09	To avoid overloading of 160 Mva Tx as one 100MVA Tx was under replacement with 160MVA Tx at IP Extension
		03.06.10	20.15	04.06.10	08.33	
		07.06.10	21.43	09.06.10	15.45	
		25.06.10	09.40	25.06.10	15.25	
		26.06.10	00.05	26.06.10	05.56	
		26.06.10	09.50	28.06.10	12.20	
		14.07.10	21.31	14.07.10	22.20	Tripped due to tripping of 160 MVA TX at IP End.
		05.07.10	13.45	08.07.10	10.55	Stopped due to high frequency and low demand
		08.07.10	14.58	08.07.10	20.10	Tripped due to tripping of 160 MVA TX at IP End on Buckholtz relay.
		18.07.10	07.55	18.07.10	12.20	Due to shut-down of 160 MVA Tx.
		20.07.10	15.35	20.07.10	19.18	Machine came on FSNL due to jerk in the system
		21.07.10	09.31	22.07.10	18.46	Stopped due to high frequency and low demand
		31.07.10	11.00	01.08.10	12.57	
		13.08.10	18.25	14.08.10	06.18	Due to swapping of gas to PPCL.
		15.08.10	18.40	17.08.10	16.25	Stopped due to high frequency and low demand
		24.08.10	11.07	01.09.10	23.18	
		06.09.10	13.54	06.09.10	17.45	Machine tripped on Y-Ph Bus Bar differential relay on BB-3 and BB-4.
		08.09.10	09.30	10.09.10	14.55	Stopped due to high frequency and low demand
		15.09.10	15.10	15.09.10	16.12	Machine came on FSNL due tripping of 160 MVA Tx
		28.09.10	15.10	30.09.10	15.14	Stopped due to high frequency and low demand
		15.10.10	09.00	15.10.10	15.45	
		28.10.10	11.30	28.10.10	15.55	
		19.11.10	20.10	19.11.10	22.29	Machine tripped on Battery under voltage alarm
		26.11.10	00.10	26.11.10	02.18	TAD high
		08.12.10	00.02	08.12.10	06.20	Stopped due to high frequency and low demand
		18.12.10	00.05	18.12.10	06.40	
		24.12.10	11.55	24.12.10	12.58	Due to tripping of 160 MVA Tx-1
		25.12.10	16.25	27.12.10	12.35	Stopped due to high frequency and low demand
		27.12.10	23.35	28.12.10	09.35	Machine stopped to avoid overloading of 160 MVA Txr-2.
		29.12.10	00.05	29.12.10	11.31	
		05.01.11	00.05	05.01.11	05.47	Stopped due to high frequency and low demand.
		05.01.11	19.31	06.01.11	09.25	
		06.01.11	16.05	07.01.11	11.20	
		07.01.11	18.03	08.01.11	10.35	
		08.01.11	14.45	08.01.11	18.40	Machine tripped on heavy jerk due to tripping of 160MVA Tx-I & II
		08.01.11	21.05	08.01.11	22.35	Both the 160MVA Tx tripped while energization of 66KV Akshardham ckt

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
5	30	12.01.11	23.32	14.01.11	14.20	Stopped due to high frequency and low demand.
		17.01.11	07.00	17.01.11	07.25	Came on FSNL due to tripping of both 160MVA Tx-I & II at IP Ext
		17.01.11	20.29	18.01.11	11..44	Stopped due to high frequency and low demand.
		02.02.11	20.02	03.02.11	06.44	Due to swapping of gas to PPCL
		12.02.11	00.02	13.02.11	23.58	Machine stopped as available on spot R-LNG
		16.02.11	13.02	16.02.11	19.58	
		23.02.11	04.30	23.02.11	07.58	Machine tripped on high TAD
		27.02.11	08.20	27.02.11	17.45	Stopped due to high frequency and low demand.
		13.03.11	00.02	14.03.11	16.16	Machine stopped as generation on open cycle mode is not required by SLDC
6	30	16.04.10	11.35	16.04.10	17.16	To clean PHE of GT
		05.05.10	09.03	05.05.10	15.32	Stopped for PHE cleaning.
		08.05.10	18.02	10.05.10	09.30	Stopped due to high frequency.
		11.05.10	17.58	11.05.10	20.10	FSNL due to tripping of 160 MVA Txr. Buchholz and E/F
		24.05.10	16.45	24.05.10	21.13	Taken on FSNL to facilitate checking of auto synch. Mode.
		25.05.10	11.00	25.05.10	12.00	
		27.05.10	14.12	27.05.10	14.55	
		28.05.10	05.22	28.05.10	16.10	Due to blast in 11 KV Breaker
		29.05.10	17.42	30.05.10	09.55	Stopped due to high frequency.
		03.06.10	14.42	03.06.10	15.29	Machine came on FSNL due to Combustion trouble and flame detector trouble
		04.06.10	22.32	05.06.10	06.45	To avoid overloading of 160 MVA Tx as one 100MVA Tx was under replacement with 160MVA Tx at IP Extension
		07.06.10	19.55	09.06.10	14.35	
		25.06.10	18.53	28.06.10	18.50	Gas fuel control oil pressure low.
		30.06.10	17.05	30.06.10	18.58	Stopped as required by Prot.n Deptt
		04.07.10	21.31	04.07.10	21.42	Due to tripping of 160 MVA TX at IP End.
		06.07.10	07.37	08.07.10	08.20	Tripped due to tripping of 160 MVA TX at IP End and after that machine not taken on bar due to low demand
		08.07.10	14.58	08.07.10	16.49	Tripped due to tripping of 160 MVA TX at IP End on Buckholtz relay.
		08.07.10	17.25	08.07.10	18.06	Tripped due to tripping of 160 MVA TX at IP End on Buckholtz relay.
		14.07.10	09.32	14.07.10	14.28	To attend hunting in load
		20.07.10	15.35	20.07.10	15.43	Machine came on FSNl due to jerk in the system
		21.07.10	02.27	21.07.10	04.15	Tripped with multiple alarms
		21.07.10	04.15	22.07.10	18.16	Due to low demand and high freq.
		23.07.10	11.20	27.07.10	18.00	Due to smoke from mark VI panel
		27.07.10	18.00	29.07.10	12.17	Stopped due to high frequency and low demand.
		31.07.10	11.00	09.08.10	12.40	
		15.08.10	11.06	17.08.10	15.50	
		19.08.10	21.50	23.08.10	12.25	Due to swapping of gas to PPCL.
		27.08.10	08.25	31.08.10	12.37	Stopped due to high frequency and low demand.
		31.08.10	16.02	01.09.10	18.45	
		06.09.10	13.54	06.09.10	14.44	Machine tripped on Y-Ph Bus Bar differential relay on BB-3 and BB-4.

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
6	30	15.09.10	15.10	15.09.10	16.12	FSNL due tripping of 160 MVA Tx
		18.09.10	12.15	18.09.10	13.40	Due to failure of IO card
		24.09.10	16.45	24.09.10	17.35	Electrical trouble
		28.09.10	19.15	30.09.10	14.20	Stopped due to high frequency and low demand.
		15.10.10	08.00	15.10.10	19.02	
		19.10.10	20.02	25.10.10	13.50	
		19.11.10	22.10	19.11.10	22.55	Due to failure of communicator
		24.11.10	12.58	24.11.10	13.55	Tripped on Numerical Relay faulty relay
		07.12.10	00.05	07.12.10	06.24	Stopped due to high frequency and low demand.
		09.12.10	22.46	10.12.10	06.20	
		13.12.10	00.02	13.12.10	06.30	
		13.12.10	06.30	13.12.10	12.14	Due to AC lube oil pump burnt
		19.12.10	00.02	19.12.10	06.44	Stopped due to high frequency and low demand.
		23.12.10	17.15	24.12.10	06.20	Machine stopped due to problem in GAIL pipeline
		24.12.10	11.55	24.12.10	12.40	Due to tripping of 160 MVA Tx-1
		25.12.10	18.28	28.12.10	13.45	To avoid overloading of 160 MVA Txr-2.
		31.12.10	00.04	31.12.10	09.10	Stopped due to high frequency and low demand.
		05.01.11	19.35	06.01.11	09.55	Stopped due to high frequency and low demand.
		08.01.11	14.45	08.01.11	15.26	Machine tripped on heavy jerk due to tripping of 160MVA Tx-I & II
		08.01.11	17.18	08.01.11	18.30	Both the 160 MVA Tx tripped while energization of 66 KV Akshardham Feeder
		08.01.11	21.05	09.01.11	16.20	
		11.01.11	00.05	11.01.11	05.50	Stopped due to high frequency and low demand
		11.01.11	06.05	11.01.11	08.08	Due to loss of excitation.
		12.01.11	00.05	12.01.11	09.27	Stopped due to high frequency and low demand
		17.01.11	00.02	17.01.11	12.10	
		18.01.11	15.20	19.01.11	07.36	
		19.01.11	14.05	22.01.11	18.28	
		03.02.11	14.35	03.02.11	14.58	Machine tripped on high LTTH.
		07.02.11	23.45	08.02.11	00.15	Machine tripped on high TAD
		14.02.11	00.42	14.02.11	15.35	Machine stopped as available on spot R-LNG
		15.02.11	14.05	15.02.11	15.50	To replace Generator Filter
		16.02.11	13.02	16.02.11	18.25	Stopped due to high frequency and low demand
		27.02.11	08.25	27.02.11	16.32	
		28.03.11	08.35	28.03.11	10.25	
STG 1	30	07.04.10	12.55	07.04.10	17.35	To attend dearater level problem
		12.04.10	11.52	12.04.10	12.32	Lube oil header pressure low
		11.05.10	17.58	11.05.10	21.35	Tripped due to tripping of GT#2.
		19.05.10	23.25	20.05.10	03.25	Failure of supply of Turbine panel
		28.05.10	05.22	28.05.10	15.57	Due to blast in 11 KV Breaker
		30.05.10	13.45	31.05.10	12.46	Stopped due to high frequency.
		07.06.10	14.22	07.06.10	21.35	To avoid overloading of 160MVA Tx as one 100MVA Tx was under replacement with 160MVA Tx at IP Extension

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG1	30	29.06.10	15.32	29.06.10	16.50	Tripped without any alarm
		04.07.10	21.31	05.07.10	09.50	Tripped due to tripping of 160 MVA TX at IP End and after that machine not taken on bar due SLDC message to maintain schedule of 80 MW.
		06.07.10	07.23	06.07.10	10.58	Tripped due to tripping of 160 MVA TX at IP End .
		08.07.10	14.58	08.07.10	22.10	
		09.07.10	23.42	10.07.10	01.50	Tripped on Ch-I&II
		10.07.10	02.38	10.07.10	03.17	
		10.07.10	03.25	10.07.10	03.50	
		10.07.10	03.55	10.07.10	04.42	
		07.10.10	18.32	10.07.10	18.48	
		12.07.10	21.12	13.07.10	23.47	Machine stopped as per SLDC message to maintain load of 80 MW
		18.07.10	07.01	18.07.10	14.14	Due to shut-down of 160 MVA Tx.
		20.07.10	15.31	21.07.10	07.50	To regulate the load of Radial feeders as 160 MVA Tx tripped on Buchholtz relay. After 19:17 hrs machine not taken on bar due to low demand
		22.07.10	21.47	24.07.10	08.25	Machine stopped as per SLDC message to maintain load of 80 MW
		24.07.10	17.04	24.07.10	17.32	Due to tripping of 800 KVA Tx
		25.07.10	01.30	29.07.10	17.50	Stopped due to high frequency and low demand.
		31.07.10	11.00	09.08.10	19.12	
		10.08.10	13.26	10.08.10	15.03	Machine tripped as AOP-1A tripped.
		11.08.10	18.25	12.08.10	14.15	Stopped due to high frequency and low demand.
		12.08.10	18.55	12.08.10	21.40	Tripped due to tripping of GT#1.
		13.08.10	12.30	15.08.10	03.40	Due to swapping of gas to PPCL.
		15.08.10	11.08	28.08.10	20.15	Stopped due to high frequency and low demand.
		03.09.10	09.02	30.09.10	21.28	Stopped due to high frequency and low demand.
		04.10.10	06.41	04.10.10	13.28	Low vacuum
		05.10.10	12.48	05.10.10	15.05	Drum level low
		11.10.10	21.12	12.10.10	01.20	Generator shift vibration very high
		26.10.10	00.02	29.11.10	13.05	Stopped due to high frequency and low demand.
		09.12.10	00.04	09.12.10	06.58	HRSG# 1 stopped along with GT due to high frequency and low demand
		11.12.10	00.05	11.12.10	06.50	
		14.12.10	00.04	14.12.10	06.45	
		15.12.10	00.04	15.12.10	06.40	
		16.12.10	00.05	16.12.10	07.35	HRSG-2 stopped along with GT-2 due to high freq .and low demand
		20.12.10	21.05	21.12.10	06.54	HRSG# 1 stopped along with GT-1 due to high freq. and low demand
		23.12.10	00.05	23.12.10	06.20	
		24.12.10	11.55	25.12.10	16.40	Due to tripping of 160 MVA Trf.-1
		30.12.10	02.35	30.12.10	07.10	HRSG# 1 stopped along with GT due to high freq. and low demand
		31.12.10	21.46	31.12.10	23.59	Electrical problem
		01.01.11	00.00	01.01.11	21.05	HRSG# 1 stopped along with GT-1 due to high freq. and low demand

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG 1	**30**	03.01.11	00.05	05.01.11	12.10	HRSG# 1 stopped along with GT-1 due to high freq. and low demand
		04.01.11	00.05	04.01.11	21.52	HRSG-2 stopped along with GT-2 due to high freq .and low demand
		08.01.11	14.45	08.01.11	16.45	Due to tripping of 160MVA Tx-I&II
		08.01.11	17.18	08.01.11	18.50	Unit tripped due to tripping of 160MVA Tx-I & II while energizing 66 KV Akshardham feeder
		08.01.11	18.50	08.01.11	20.15	
		08.01.11	21.05	08.01.11	23.23	
		17.01.11	07.00	17.01.11	07.45	Due to tripping of 160MVA Tx-I&II
		22.01.11	17.50	10.02.11	20.35	Unit tripped due to bursting the 'B' Phase bushing of its Unit Tx.
		14.02.11	16.15	18.02.11	20.00	Machine stopped as available on spot R-LNG
		18.02.11	20.00	28.02.11	23.59	Machine stopped to attend the Misc. problems
		01.03.11	00.00	31.03.11	23.59	Machine stopped to attend the Misc. problems
STG2	**30**	15.04.10	11.15	15.04.10	18.40	To attend leakage in CPH line
		01.05.10	06.05	01.05.10	20.30	Stopped as GT#3 stopped for cleaning of PHE
		11.05.10	14.46	11.05.10	20.34	Stopped due to leakage in SRV.
		17.05.10	19.05	17.05.10	20.55	Due to non availability of the BFPs.
		24.05.10	10.50	26.05.10	22.00	To attend condenser backwashing and other leakages
		28.05.10	05.22	28.05.10	08.25	Due to blast in 11 KV Breaker
		01.06.10	10.23	01.06.10	10.40	Low vacuum due to tripping of CEP
		06.06.10	09.42	07.06.10	12.55	To avoid overloading of 160 Mva Tx as one 100MVA Tx was under replacement with 160MVA Tx at IP Extension
		14.06.10	07.32	14.06.10	15.05	Tripped on CH-I & II
		14.07.10	21.31	12.07.10	09.00	Tripped due to tripping of 160 MVA TX at IP End and after that machine not taken on bar due SLDC message to maintain schedule of 80 MW.
		12.07.10	09.00	12.07.10	14.15	Due to outage of GT# 3 & 4
		12.07.10	14.15	12.07.10	18.15	HRSG# 4 due to outage of GT# 4
		12.07.10	18.15	14.07.10	12.50	Stopped due to high frequency and low demand.
		18.07.10	06.37	18.07.10	13.35	To attend 160 MVA Tx.
		20.07.10	15.22	23.07.10	14.55	To regulate the load of Radial feeders as 160 MVA Transformer tripped on Buchholtz relay. After 19:17 hrs machine not taken on bar due to low demand
		24.07.10	17.04	24.07.10	17.22	Due to tripping of 800 KVA Tx
		26.07.10	08.55	26.07.10	10.46	Low level vacuum
		06.08.10	15.42	08.08.10	16.50	Machine tripped as Both Boiler Tripp alarm appeared on BCD while the drum level of both HRSG were normal.
		17.08.10	12.42	17.08.10	13.10	Machine tripped as both boiler tripped
		19.08.10	15.22	19.08.10	15.50	Failure of DC supply
		05.09.10	7.25	05.09.10	14.45	Machine tripped due to tripping of GT#4
		06.09.10	13.54	06.09.10	16.15	Machine tripped on Y-Ph Bus Bar differential relay on BB-3 and BB-4.

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG2	**30**	07.09.10	09.55	07.09.10	10.28	C&I Problem
		07.09.10	19.15	07.09.10	21.32	Machine tripped due to jerk.
		15.09.10	15.10	15.09.10	17.09	Machine tripped due to tripping of 160 MVA Tx
		22.09.10	21.11	28.09.10	14.55	Stopped due to high frequency.
		18.10.10	07.30	18.10.10	11.66	Machine tripped due to tripping of GT-4
		25.10.10	14.10	25.10.10	20.17	Stopped due to high frequency and low demand.
		28.10.10	16.41	29.11.10	23.45	
		03.12.10	00.01	03.12.10	05.00	HRSG-4 stopped along with GT-4 due to high freq and low demand.
		04.12.10	00.05	04.12.10	17.45	HRSG-3 stopped alongwith GT-3 due to high freq. and low demand.
		05.12.10	00.05	05.12.10	06.20	
		08.12.10	11.31	08.12.10	11.51	Generator RJB vibration very high
		12.12.10	00.02	12.12.10	06.55	HRSG-4 stopped along with GT-4 due to high freq and low demand.
		17.12.10	00.05	17.12.10	12.35	Machine stopped due to high frequency and low demand.
		19.12.10	15.35	20.12.10	06.55	HRSG-4 stopped along with GT-4 due to high freq and low demand.
		21.12.10	21.05	22.12.10	06.50	
		25.12.10	15.30	25.12.10	18.55	HRSG-3 stopped alongwith GT-3 due to high freq. and low demand.
		01.01.11	21.05	03.01.11	06.20	
		06.01.11	16.05	08.01.11	14.45	
		08.01.11	14.45	08.01.11	20.00	Machine tripped as heavy jerk observed in control room &160 MVA Txr no.2 tripped and after simultaneously 160 MVA Txr no.1 also tripped.
		08.01.11	20.00	08.01.11	21.05	Both the 160 MVA Tx tripped while energization of 66 KV Akshardham Feeder
		08.01.11	21.05	10.01.11	10.59	HRSG-4 stopped alongwith GT-4 due to high freq. and low demand.
		10.01.11	10.59	11.01.11	11.13	
		12.01.11	00.05	12.01.11	06.20	HRSG-3 stopped alongwith GT-3 due to high freq. and low demand.
		13.01.11	02.01	13.01.11	11.59	HRSG-3 stopped alongwith GT-3 due to high freq. and low demand.
		14.01.11	00.02	14.01.11	06.58	HRSG-3 stopped alongwith GT-3 due to high freq. and low demand.
		14.01.11	13.20	14.01.11	14.20	Machine tripped as all the parameters disappeared.
		14.01.11	14.20	15.01.11	13.05	Due to low demand and high freq.
		15.01.11	20.05	16.01.11	15.35	Due to low demand and high freq.
		17.01.11	07.00	17.01.11	08.22	Unit tripped due to tripping of 160MVA Tx-I & II
		03.02.11	13.02	03.02.11	16.10	Stopped to attend ACW line
		05.02.11	17.01	05.02.11	17.40	Due to tripping of both the boiler
		17.02.11	12.15	17.02.11	19.18	Tripped on Channel-I & II
		20.03.11	10.50	21.03.11	10.40	Machine stopped as per SLDC due to low demand and high frequency in Grid

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG3	30	02.04.10	03.25	07.04.10	05.28	Axial shift alarm appeared
		07.04.10	07.35	07.04.10	07.58	Lube oil pressure low
		09.07.10	21.20	09.04.10	22.32	Plunger coil trip alarm
		29.04.10	11.06	29.04.10	15.15	Plunger coil trip alarm
		05.05.10	09.05	05.05.10	17.32	Stopped to attend various leakages
		11.05.10	17.58	11.05.10	20.34	FSNL due to tripping of 160 MVA Txr. Buchholz and E/F
		18.05.10	07.05	18.05.10	17.58	Stopped to attend Various leakages
		18.05.10	18.34	18.05.10	18.55	Tripped on Control oil header pressure very low. Both the Boiler trip alarm also appeared.
		18.05.10	19.35	18.05.10	22.25	
		28.05.10	05.22	28.05.10	10.58	Due to blast in 11 KV Breaker
		29.05.10	17.42	30.05.10	13.37	Stopped due to high frequency.
		07.06.10	21.43	09.06.10	17.25	To avoid overloading of 160 MVA Tx as 100MVA Tx under replace ment with 160MVA Tx at IP Ext.
		25.06.10	18.53	28.06.10	23.59	Tripped due to tripping of GT#6
		04.07.10	21.31	14.07.10	23.10	Tripped due to tripping of 160 MVA TX at IP End.
		06.07.10	07.23	08.07.10	11.13	Tripped due to tripping of 160 MVA TX at IP End and after that machine not taken on bar due to low demand
		08.07.10	12.20	08.07.10	21.28	Due to oil leakages observe in ESV.
		10.07.10	18.48	10.07.10	19.50	Due to disappearance of Parameters
		18.07.10	06.37	18.07.10	13.55	Due to shut-down of 160 MVA Tx.
		20.07.10	15.07	20.07.10	20.53	Due to tripping of 160 MVA Tx
		21.07.10	09.31	22.07.10	21.15	Stopped due to high frequency and low demand.
		31.07.10	11.00	09.08.10	17.05	
		15.08.10	18.40	17.08.10	23.59	Stopped due to high frequency and low demand.
		20.08.10	17.10	20.08.10	19.25	Machine tripped on low vacuum.
		21.08.10	09.52	21.08.10	11.12	Machine tripped on low vacuum.
		27.08.10	08.25	01.09.10	22.25	Stopped due to high frequency and low demand.
		06.09.10	13.54	06.09.10	16.52	Machine tripped on Y-Ph Bus Bar differential relay on BB-3 and BB-4.
		07.09.10	19.19	07.09.10	20.53	Machine tripped due to jerk.
		07.09.10	22.00	07.09.10	23.15	Machine tripped on false alarm of Hot well level very high though the level was normal.
		08.09.10	12.41	09.09.10	00.46	
		15.09.10	15.10	15.09.10	17.15	Machine tripped due to tripping of 160 MVA Tx
		28.09.10	19.15	30.09.10	16.50	Gas restriction
		15.10.10	09.00	15.10.10	17.26	
		20.10.10	06.45	20.10.10	08.57	Due to tripping of LOP of Boiler Feed Pump
		19.11.10	22.10	19.11.10	23.10	Tripped along with tripping of GT-6
		24.11.10	00.42	24.11.10	01.28	Low vacuum
		07.12.10	00.05	07.12.10	07.05	HRSG-6 along with GT-6 due to low demand and high frequency
		08.12.10	00.02	08.12.10	06.55	HRSG-5 along with GT-5 due to low demand and high freq.
		09.12.10	22.46	10.12.10	06.48	HRSG-6 along with GT-6 due to low demand and high frequency
		13.12.10	00.02	13.12.10	06.30	HRSG-6 along with GT-6 due to low demand and high frequency

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG3	**30**	13.12.10	06.30	13.12.10	12.35	HRSG-6 could not be taken on load due to problem in GT-6
		14.12.10	02.37	14.12.10	04.17	Hot well level high
		18.12.10	00.05	18.12.10	07.20	HRSG-5 along with GT-5 due to low demand and high freq.
		19.12.10	00.02	19.12.10	07.10	HRSG-6 along with GT-6 due to low demand and high frequency
		22.12.10	15.40	22.12.10	16.03	Turbine RJB shaft vibration very high.
		23.12.10	17.15	24.12.10	06.50	HRSG-6 stopped alongwith GT-6 due to problem in GAIL pipe line
		24.12.10	11.55	24.12.10	13.38	Due to tripping of 160 MVA Trf-I
		25.12.10	16.25	25.12.10	18.28	HRSG-5 along with GT-5 due to low demand and high freq.
		25.12.10	18.28	27.12.10	16.05	
		27.12.10	23.35	28.12.10	11.25	Machine stopped to avoid overloading of 160 MVA Txr-2.
		31.12.10	00.04	31.12.10	14.30	HRSG-6 stopped alongwith GT-6 due to low demand and high freq.
		05.01.11	00.05	05.01.11	06.23	HRSG-5 stopped alongwith GT-5 due to low demand and high freq.
		05.01.11	19.35	06.01.11	10.50	Due to low demand and high freq.
		06.01.11	16.05	07.01.11	12.10	HRSG-5 stopped alongwith GT-5 due to low demand and high freq.
		07.01.11	18.03	08.01.11	11.20	HRSG-5 stopped alongwith GT-5 due to low demand and high freq.
		08.01.11	14.45	08.01.11	17.07	Machine tripped due to tripping of 160MVA Tx-I & II
		08.01.11	17.18	08.01.11	18.55	Unit tripped due to tripping of 160MVA Tx-I & ii while energization of 66 KV Akshardham Feeder
		08.01.11	21.05	09.01.11	00.10	
		09.01.11	00.10	09.01.11	16.50	
		11.01.11	00.05	11.01.11	06.05	HRSG-6 stopped alongwith GT-6 due to low demand and high freq.
		11.01.11	06.05	11.01.11	08.30	
		12.01.11	00.05	12.01.11	09.45	
		12.01.11	23.32	14.01.11	14.55	HRSG# 5 stopped along with GT-5 due to low demand
		17.01.11	07.00	17.01.11	08.42	Due to tripping of 160MVA Tx-I&II
		27.01.11	04.07	27.01.11	04.31	Due to disappearance of hot well parameters
		03.02.11	13.02	03.02.11	16.12	To attend ACW line
		15.02.11	14.05	15.02.11	15.12	Tripped on Channel-I & II
		16.02.11	13.05	16.02.11	19.58	To attend various leakages
		27.02.11	08.25	27.02.11	19.22	Due to low demand and high freq.
		28.03.11	03.31	28.03.11	09.20	Machine tripped on turbine over speed false alarm.

(C) PRAGATI STATION

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	**104**	01.05.10	18.16	01.05.10	20.10	Tripped alongwtih trippings of associated transmission lines.
		23.05.10	09.45	23.05.10	15.41	Due to shut-down of 220kV Bus-II at IP Extension.
		09.06.10	17.38	09.06.10	22.56	Internal fault.
		13.06.10	15.38	13.06.10	16.55	Tripped alongwtih trippings of associated transmission lines.
		04.07.10	21.26	04.07.10	22.20	
		10.07.10	15.47	10.07.10	16.56	
		13.07.10	18.29	13.07.10	19.10	
		27.07.10	18.50	28.07.10	04.18	Due to firing in underneath bearings.
		01.08.10	09.00	02.08.10	12.18	Due to low demand and high frequency
		15.08.10	00.00	16.08.10	09.12	
		03.09.10	16.59	03.09.10	18.12	Problem in generator transformer
		03.09.10	23.30	04.09.10	02.40	Problem in turbine
		16.09.10	15.12	16.09.10	16.16	Tripped alongwtih trippings of associated transmission lines.
		26.09.10	14.35	26.09.10	15.44	
		11.10.10	04.18	11.10.10	09.48	Boiler feed pump tripped.
		14.10.10	17.10	14.10.10	17.44	Boiler feed pump tripped.
		26.12.10	11.00	26.12.10	23.30	Tripped alongwtih trippings of associated transmission lines.
		27.12.10	22.12	27.12.10	22.49	Internal problem
		27.12.10	23.38	28.12.10	05.14	Internal problem
		04.03.11	23.00	07.03.11	09.38	Due to high frequency and low demand
		09.03.11	04.06	09.03.11	07.57	Internal fault
		09.03.11	16.59	09.03.11	17.44	Internal fault
		12.03.11	03.00	14.03.11	07.08	Due to high frequency and low demand
		14.03.11	22.00	17.03.11	11.30	
		17.03.11	11.30	31.03.11	23.59	Stopped for maintenance work
2	104	09.06.10	15.41	09.06.10	16.50	Mark-V fuse tripped.
		03.09.10	16.59	03.09.10	19.43	Problem in generator transformer
		05.09.10	11.30	06.09.10	09.20	Reserve shut-down
		16.09.10	15.12	16.09.10	15.59	Tripped alongwtih trippings of associated transmission lines.
		19.09.10	10.00	20.09.10	10.16	Due to high frequency and low demand
		19.10.10	21.08	20.10.10	01.55	Internal fault
		20.10.10	02.28	08.11.10	13.02	Fault in oil pressure pump
		14.12.10	14.41	14.12.10	15.20	Tripped alongwtih trippings of associated transmission lines.
		27.12.10	07.00	27.12.10	20.35	Due to problem in air filter
		27.12.10	23.38	28.12.10	05.14	Internal problem
		08.01.11	14.44	18.01.11	15.37	Bus -1 getting dead
		17.01.11	06.23	19.01.11	07.19	Tripped due to tripping of associated transmission lines
		22.01.11	16.00	23.01.11	18.42	Baroscapic test
		27.01.11	08.41	27.01.11	09.45	Internal fault
		07.02.11	20.47	07.02.11	23.25	Tripped due to tripping of associated transmission lines
		02.03.11	00.01	14.03.11	18.10	Due to major overhauling
		19.03.11	06.12	21.03.11	11.40	Stopped due to high frequency and low demand
		21.03.11	16.25	21.03.11	19.26	
		26.03.11	23.31	27.03.11	00.00	Internal fault
		27.03.11	12.04	27.03.11	15.35	Internal fault

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG	**122**	02.04.10	14.50	02.04.10	16.34	Tripped due to tripping of associated transmission lines
		01.05.10	18.16	01.05.10	19.50	
		12.05.10	15.53	12.05.10	17.00	
		14.05.10	15.32	14.05.10	16.27	Tripped due to tripping of associated transmission lines
		13.06.10	15.38	13.06.10	17.40	
		01.07.10	17.09	01.07.10	18.10	Internal fault
		04.07.10	21.26	04.07.10	23.00	Tripped due to tripping of associated transmission lines
		10.07.10	15.47	10.07.10	16.43	
		13.07.10	18.29	13.07.10	19.25	
		17.07.10	13.30	17.07.10	17.19	Exitor vibration problem
		19.07.10	15.05	19.07.10	19.13	
		03.09.10	16.59	03.9.10	19.05	Problem in generator transformer
		16.09.10	15.22	16.09.10	17.34	Tripped due to tripping of associated transmission lines
		28.09.10	14.35	26.09.10	15.35	
		11.10.10	04.18	11.10.10	06.28	Boiler feed pump tripped
		14.10.10	17.10	14.10.10	17.58	Boiler feed pump tripped
		29.10.10	14.45	29.10.10	15.34	Water level low in drum
		29.11.10	07.12	29.11.10	08.28	Internal fault
		23.12.10	10.05	23.12.10	11.12	Tripped due to tripping of associated transmission lines
		08.01.11	14.44	08.01.11	15.37	Bus-I getting dead
		08.01.11	17.59	08.01.11	18.58	CW pump tripped
		11.01.11	09.59	11.01.11	10.39	Internal fault (CW pump tripped)
		17.01.11	09.59	17.01.11	10.44	Internal fault (CW pump tripped)
		27.01.11	05.59	27.01.11	07.00	Internal fault
		07.02.11	20.47	07.02.11	23.25	Tripped due to tripping of associated transmission lines
		02.03.11	00.14	31.03.11	23.59	Major overhauling of machine

(D) BADARPUR THERMAL POWER STATION

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	95	05.04.10	22.04	06.04.10	21.40	Maintenance work
		23.04.10	16.09	23.04.10	21.50	Electrical fault
		01.05.10	19.09	02.05.10	20.04	Due to high freq. and low demand
		11.05.10	21.37	12.05.10	12.53	Electrical problem
		25.05.10	03.50	11.06.10	14.30	Excel shaft high
		13.07.10	12.02	13.07.10	15.00	Flame failure
		27.07.10	12.27	28.07.10	19.40	Generation back down due to low demand and high frequency.
		21.08.10	14.24	21.04.10	17.24	
		23.09.10	06.20	23.09.10	08.56	Boiler problem
		26.09.10	09.23	26.09.10	10.39	Boiler problem
		23.11.10	17.42	04.12.10	19.45	Generation back down due to low demand and high frequency.
2	95	07.05.10	19.45	10.05.10	08.16	Due to high freq. and low demand
		20.05.10	11.35	22.05.10	22.40	Boiler Tube Leakage
		05.06.10	14.31	07.06.10	07.55	Generation back down due to low demand and high frequency.
		09.07.10	11.40	09.07.10	13.00	Electrical fault
		20.08.10	18.22	28.08.10	17.39	Generation back down due to low demand and high frequency.
		02.09.10	18.47	02.09.10	20.04	Due to tripping of associated transmission lines
		09.09.10	00.19	15.09.10	02.52	Reserve shut-down
		06.10.10	04.18	08.10.10	07.10	Electrical problem
		12.11.10	18.20	12.11.10	20.58	Tripped on jerk due to tripping of 220kV BTPS – Alwar Ckt.
		23.11.10	20.39	05.12.10	07.45	Generation back down due to low demand and high frequency
		29.01.11	23.00	31.01.11	00.44	Boiler problem
		31.01.11	11.55	31.01.11	18.13	Bus problem
3	95	03.04.10	00.18	03.04.10	05.20	Protection failure
		09.04.10	12.50	09.04.10	16.17	Vacuum low
		30.04.10	02.04	30.04.10	24.00	Annual maintenance
		29.06.10	22.56	03.07.10	19.02	Boiler Tube Leakage
		31.07.10	17.30	31.07.10	20.46	FD fan tripped
		25.08.10	19.34	28.08.10	11.15	Generation back down due to low demand and high frequency.
		26.09.10	02.23	29.09.10	03.05	
		12.11.10	18.20	12.11.10	21.22	Tripped on jerk due to tripping of 220kV BTPS – Alwar Ckt
		11.01.11	07.26	16.01.11	13.04	Boiler tube leakage
		26.01.11	08.54	27.01.11	08.55	Boiler tube leakage
		08.02.11	13.20	08.02.11	14.57	Generator problem
		27.03.11	01.27	27.03.11	22.43	Safety valve leakage
4	210	23.04.10	07.02	24.04.10	19.55	Water valve leakage
		04.05.10	12.29	05.05.10	13.39	Boiler Tube Leakage
		12.05.10	23.25	13.05.10	18.32	Boiler Tube Leakage
		17.05.10	00.28	17.05.10	17.50	Boiler Tube Leakage
		19.05.10	12.43	20.05.10	03.02	Boiler Tube Leakage

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
4	210	21.05.10	08.00	22.05.10	05.56	Boiler Tube Leakage
		22.05.10	06.57	22.05.10	07.49	Electrical Problem
		27.05.10	20.33	31.05.10	12.14	Boiler Tube Leakage
		07.06.10	16.20	14.6.10	12.52	Generation back down due to heavy under drawal and high frequency
		19.06.10	19.43	20.06.10	19.10	Boiler Tube Leakage
		04.07.10	12.29	26.08.10	12.19	Planned shut-down for maintenance
		30.08.10	12.15	01.09.10	08.19	Boiler Tube Leakage
		10.09.10	18.03	10.09.10	21.18	Cooling system problem
		15.09.10	23.46	22.09.10	03.00	Generation back down due to high frequency and low demand.
		29.09.10	04.30	01.10.10	20.09	
		06.10.10	09.44	07.10.10	10.50	Boiler Tube Leakage
		07.10.10	19.50	08.10.10	12.37	Boiler Tube Leakage
		08.10.10	14.08	19.10.10	16.12	Boiler Tube Leakage
		20.10.10	22.10	21.10.10	15.50	Internal Fault
		27.10.10	23.50	23.11.10	15.40	Generation back down due to high frequency and low demand.
		01.12.10	21.35	02.12.10	15.05	Boiler Tube Leakage
		05.12.10	13.50	09.12.10	07.04	Generation back down due to high frequency and low demand.
		16.12.10	13.47	17.12.10	12.32	Boiler Tube Leakage
		26.12.10	11.43	27.12.10	06.15	Boiler Tube Leakage
		28.12.10	07.09	01.01.11	05.08	Boiler Tube Leakage
		02.01.11	04.30	03.01.11	11.04	Boiler Tube Leakage
		08.01.11	06.40	09.01.11	02.45	Boiler Tube Leakage
		12.01.11	09.22	12.01.11	21.55	Boiler Tube Leakage
		19.01.11	06.31	20.01.11	06.32	Boiler Tube Leakage
		28.01.11	19.46	29.01.11	11.10	Boiler Tube Leakage
		30.01.11	09.22	31.01.11	24.00	Boiler Tube Leakage
5	210	02.04.10	16.29	03.04.10	20.22	Boiler tube leakage
		17.04.10	22.30	18.04.10	12.20	Boiler tube leakage
		09.05.10	17.40	09.05.10	19.48	Tripped on jerk due to tripping of 220kV Ballabhgarh – BTPS Ckts and 220kV BTPS – Alwar Ckt.
		13.05.10	17.58	13.05.10	20.11	Furnace problem
		14.07.10	04.50	14.07.10	07.35	Electrical problem
		05.09.10	12.42	08.09.10	20.05	Reserve shut-down
		15.09.10	04.41	15.09.10	23.15	Stopped due to high frequency and low demand.
		23.09.10	17.06	26.09.10	01.14	
		03.10.10	10.16	01.11.10	15.30	Boiler Tube Leakage
		01.11.10	15.48	01.11.10	16.35	Boiler Tube Leakage
		04.11.10	18.20	05.11.10	19.27	Boiler Tube Leakage
		12.11.10	12.18	13.11.10	14.57	Boiler Tube Leakage
		04.12.10	12.00	05.12.10	11.50	Furnace problem
		15.12.10	09.08	16.12.10	06.55	Furnace pressure very high
		17.12.10	12.28	18.12.10	23.22	Excitation problem
		25.12.10	09.02	26.12.10	10.46	Boiler Tube Leakage
		11.01.11	09.16	12.01.11	16.10	Boiler Tube Leakage
		25.01.11	12.10	26.01.11	07.55	Boiler Tube Leakage
		01.02.11	13.57	02.01.11	13.45	Boiler Tube Leakage
		07.03.11	07.17	10.03.11	07.14	Boiler Tube Leakage
		24.03.11	15.00	26.03.11	13.34	Boiler Tube Leakage

4 ALLOCATION OF POWER TO DELHI

A) Allocation from Unallocated quota of Central Sector Generating Stations to Delhi w.e.f.01.03.2011 to 05.03.2011

i) TIME BLOCK - 00.00-10.00hrs. and 23.00hrs. - 24.00hrs @ 0%

All figures in MW

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	0	882	766	0	0	766
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**	**1005**	**2321**	**2029**	**0**	**0**	**2029**
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**	**1619**	**3020**	**2665**	**0**	**0**	**2665**
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**
Grand Total	**21886**	**1772**	**3309**	**2907**	**0**	**0**	**2907**

ii) Time Block 10.00HRS. - 18.00hrs. @ 8% Un-allocated quota of Central Sector Generating Stations (without RAPP Unit-3 & 4)

All figures in MW

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	19	17	147
Rihand	1000	150	100	87	10	8	95
Rihand Stage –II	1000	150	126	109	10	8	118
ANTA GPS	419	63	44	41	4	4	45
Auriya GPS	663.36	99	72	67	4	4	71
Dadri GPS	829.78	129	91	85	4	3	88
Dadri NCTPS (Th)	840	0	756	657	0	0	657
Dadri NCTPS (Th) Stage-II	980	0	882	766	0	0	766
Unchahaar-I TPS	420	20	24	21	1	1	22
Unchahaar-II TPS	420	63	47	41	4	4	44
Unchahaar-III TPS	210	31	29	25	2	2	27
TOTAL	**8782**	**1005**	**2321**	**2029**	**58**	**51**	**2080**
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	3	3	41
URI HEP	480	0	53	50	0	0	50
Sewa HEP	120	18	16	15	1	1	16
Dhauli Ganga HEP	280	42	37	35	3	3	38
Dulhasti HEP	390	58	50	48	4	4	51
TOTAL	**3074**	**172**	**351**	**333**	**11**	**10**	**344**
NPC							
Narora APS	440	64	47	41	4	4	44
RAPP(B) Unit-3 APS	220	33	0	0	0	0	0
RAPP(B) Unit-4 APS	220	33	0	0	0	0	0
RAPP (C)	440	64	56	49	4	4	52
TOTAL	**1320**	**194**	**103**	**89**	**8**	**7**	**96**
SVJNL							
Nathpa Jhakri HEP	1500	149	142	123	9	9	132
THDC							
Tehri Hydro	1000	99	103	89	6	6	95
Total	**15676**	**1619**	**3020**	**2665**	**93**	**83**	**2748**
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**
Grand Total	**21886**	**1772**	**3309**	**2907**	**93**	**83**	**2990**

iii) Time Block 18.00hrs. to 23.00hrs. @ 8% Un-allocated quota of Central Sector Generating Stations (with RAPP Unit-3 & 4)

All figures in MW

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)
Singrauli STPS	2000	300	150	130	19	17	147
Rihand	1000	150	100	87	10	8	95
Rihand Stage –II	1000	150	126	109	10	8	118
ANTA GPS	419	63	44	41	4	4	45
Auriya GPS	663.36	99	72	67	4	4	71
Dadri GPS	829.78	129	91	85	4	3	88
Dadri NCTPS (Th)	840	0	756	657	0	0	657
Dadri NCTPS (Th) Stage-II	980	0	882	766	0	0	766
Unchahaar-I TPS	420	20	24	21	1	1	22
Unchahaar-II TPS	420	63	47	41	4	4	44
Unchahaar-III TPS	210	31	29	25	2	2	27
TOTAL	**8782**	**1005**	**2321**	**2029**	**58**	**51**	**2080**
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	3	3	41
URI HEP	480	0	53	50	0	0	50
Sewa HEP	120	18	16	15	1	1	16
Dhauli Ganga HEP	280	42	37	35	3	3	38
Dulhasti HEP	390	58	50	48	4	4	51
TOTAL	**3074**	**172**	**351**	**333**	**11**	**10**	**344**
NPC							
Narora APS	440	64	47	41	4	4	44
RAPP(B) Unit-3 APS	220	33	0	0	7	6	6
RAPP(B) Unit-4 APS	220	33	0	0	7	6	6
RAPP (C)	440	64	56	49	4	4	52
TOTAL	**1320**	**194**	**103**	**89**	**22**	**19**	**109**
SVJNL							
Nathpa Jhakri HEP	1500	149	142	123	9	9	132
THDC							
Tehri Hydro	1000	99	103	89	6	6	95
Total	**15676**	**1619**	**3020**	**2665**	**107**	**96**	**2760**
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**
Grand Total	**21886**	**1772**	**3309**	**2907**	**107**	**96**	**3002**

B) Allocation from Unallocated quota of Central Sector Generating Stations to Delhi w.e.f.05.03.2011 to 08.03.2011

TIME BLOCK 00.00 - 1800hrs. and 23.00hrs. - 24.00hrs. @ 0% FROM UN-ALLOCATED

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)
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	0	882	766	0	0	766
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**	**1005**	**2321**	**2029**	**0**	**0**	**2029**
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**	**1619**	**3020**	**2665**	**0**	**0**	**2665**
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**	**1810**	**3540**	**3107**	**0**	**0**	**3107**

ii) ***TIME BLOCK 18.00HRS - 23.00hrs @ 0% FROM UNALLOCATED QUOTA AND 3.18% FROM RAPP `B'***

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	0	882	766	0	0	766
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**	**1005**	**2321**	**2029**	**0**	**0**	**2029**
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) Unit-3 APS	220	33	0	0	7	6	6
RAPP(B) Unit-4 APS	220	33	0	0	7	6	6
RAPP (C)	440	64	56	49	0	0	49
TOTAL	**1320**	**194**	**103**	**89**	**14**	**12**	**101**
SVJNL							
Nathpa Jhakri HEP	1500	149	142	123	0	0	123
THDC							
Tehri Hydro	1000	99	103	89	0	0	89
Total	**15676**	**1619**	**3020**	**2665**	**14**	**12**	**2677**
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**	**1810**	**3540**	**3107**	**14**	**12**	**3120**

C) Allocation from Unallocated quota of Central Sector Generating Stations to Delhi w.e.f.08.03.2011 to 22.03.2011

(i) TIME BLOCK 00.00HRS.- 24.00HRS. @ 0% FROM UN-ALLOCATED

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**

D) Allocation to Delhi w.e.f.22.03.2011 to 31.03.2011 @ 0% allocation from unallocated quota of Central Sector Generating Stations.

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	0	882	766	0	0	766
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**	**1005**	**2321**	**2029**	**0**	**0**	**2029**
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**	**1619**	**3020**	**2665**	**0**	**0**	**2665**
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**	**1810**	**3540**	**3107**	**0**	**0**	**3107**

E) Allocation of power to Delhi from Unallocated quota of Central Sector Generating Stations to Delhi w.e.f.31.03.2011

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
Koteshwar HEP	**100**	**0**	**10**	**9**	**0**	**0**	**9**
Dulhasti HEP	390	58	50	48	0	0	48
TOTAL	**3174**	**172**	**361**	**343**	**0**	**0**	**343**
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	**15776**	**1766**	**2882**	**2547**	**0**	**0**	**2547**
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	**22486**	**1957**	**3403**	**2989**	**0**	**0**	**2989**

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. 01.01.2010 TO 31.03.2010. ALLOCATION OF 0.9MW HAS BEEN ALLOCATED TO UPCOMING JHAJJHAR PLAT FROM IP STATION. ALLOCATION OF 1 MW POWER FOR AUXILIARY NEEDS OF IP STATION FROM RPH WAS MADE W.E.F. 01.11.2009.

(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. IP	0.00	0.00	0.00	0.00	0.00	100.00
5. RPH	0.86	0.00	28.35	43.04	27.75	100.00
6. GT	0.93	0.00	28.28	42.99	27.80	100.00
7. Pragati	26.69	0.00	20.77	31.76	20.78	100.00
8. 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	36.87	24.90	100.00
3. BTPS	15.07	7.09	21.88	33.37	22.59	100.00
4. IP	0.00	0.00	0.00	0.00	0.00	100.00
5. RPH	0.00	0.00	28.35	43.04	28.61	100.00
6. GT	0.00	0.00	28.28	42.99	29.73	100.00
7. Pragati	25.76	0.00	20.77	31.76	21.71	100.00
8. 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 2011

All figures in MW

Date	Time of peak demand	Generation within Delhi						Import from the Grid	Schedule from the Grid	OD(-) / UD(+)	Demand met	Shedding	Un-Restricted Demand
		RPH	GT	PPCL	BTPS	Rithala	Total						
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)= (3) to (7)	(9)	(10)	(11)= (10) -(9)	(12)= (10)+ (11)	(13)	(14)= (12)+ (13)
1	10:00:43	59	170	325	528	31	1113	1926	2037	111	**3039**	0	3039
2	10:02:23	60	159	103	619	17	958	2277	2157	-120	**3235**	0	3235
3	19:01:01	60	159	84	544	19	866	2141	2235	94	**3007**	0	3007
4	09:59:07	60	159	81	607	18	925	2241	2225	-16	**3166**	0	3166
5	09:52:12	107	161	0	501	29	798	2102	2355	253	**2900**	0	2900
6	09:59:32	109	158	0	548	38	853	2055	2102	47	**2908**	0	2908
7	10:07:33	110	159	106	356	37	768	2135	2263	128	**2903**	0	2903
8	10:35:56	112	157	105	350	32	756	2116	2341	225	**2872**	7	2879
9	10:18:54	113	156	104	379	30	782	2135	2349	214	**2917**	0	2917
10	19:05:19	113	158	104	529	27	931	1932	2252	320	**2863**	0	2863
11	10:26:31	113	156	104	580	28	981	1947	2192	245	**2928**	0	2928
12	09:55:43	113	157	0	558	28	856	1925	1898	-27	**2781**	0	2781
13	11:57:10	113	116	0	553	29	811	1902	1954	52	**2713**	2	2715
14	19:07:50	113	176	203	548	26	1066	1823	1886	63	**2889**	0	2889
15	19:01:02	113	153	101	501	24	892	2044	2047	3	**2936**	0	2936
16	19:06:15	110	180	102	495	24	911	2045	2449	404	**2956**	17	2973
17	19:13:51	110	148	99	511	34	902	2224	2513	289	**3126**	0	3126
18	19:27:30	108	176	101	539	33	957	2068	2067	-1	**3025**	0	3025
19	10:51:33	108	154	0	539	27	828	1973	2253	280	**2801**	0	2801
20	19:31:41	111	76	0	478	27	692	1576	1754	178	**2268**	0	2268
21	19:23:30	111	76	0	535	27	749	1943	1958	15	**2692**	0	2692
22	19:30:00	109	152	86	561	35	943	2035	2089	54	**2978**	0	2978
23	19:04:32	112	172	98	568	35	985	2160	1955	-205	**3145**	0	3145
24	19:13:22	113	177	100	344	28	762	2352	2236	-116	**3114**	9	3123
25	19:03:52	101	148	99	421	27	796	2414	2438	24	**3210**	0	3210
26	19:20:22	110	113	100	444	27	794	2276	2153	-123	**3070**	0	3070
27	19:50:30	111	150	95	385	27	768	2116	2343	227	**2884**	0	2884
28	19:19:47	110	159	100	594	27	990	2340	2563	223	**3330**	3	3333
29	19:25:18	111	154	102	595	27	989	2423	2297	-126	**3412**	6	3418
30	19:33:00	110	179	101	602	26	1018	2120	2494	374	**3138**	0	3138
31	19:23:06	110	128	85	563	27	913	2363	2574	211	**3276**	5	3281

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

All figures in MW

Date	Time of peak demand	Generation within Delhi						Import from the Grid	Schedule from the Grid	OD(-) / UD(+)	Demand met	Shedding	Un-Restricted Demand
		IP	RPH	GT	PPCL	BTPS	Total						
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)=(3) to (7)	(9)	(10)	(11)= (10) -(9)	(12)=(10) + (11)	(13)	(14)= (12)+ (13)
1	10:00:43	59	170	325	528	31	1113	1926	2037	111	**3039**	0	3039
2	10:02:23	60	159	103	619	17	958	2277	2157	-120	**3235**	0	3235
3	19:01:01	60	159	84	544	19	866	2141	2235	94	**3007**	0	3007
4	09:59:07	60	159	81	607	18	925	2241	2225	-16	**3166**	0	3166
5	09:52:12	107	161	0	501	29	798	2102	2355	253	**2900**	0	2900
6	09:59:32	109	158	0	548	38	853	2055	2102	47	**2908**	0	2908
7	10:07:33	110	159	106	356	37	768	2135	2263	128	**2903**	0	2903
8	10:35:56	112	157	105	350	32	756	2116	2341	225	**2872**	7	2879
9	10:18:54	113	156	104	379	30	782	2135	2349	214	**2917**	0	2917
10	19:05:19	113	158	104	529	27	931	1932	2252	320	**2863**	0	2863
11	10:26:31	113	156	104	580	28	981	1947	2192	245	**2928**	0	2928
12	09:55:43	113	157	0	558	28	856	1925	1898	-27	**2781**	0	2781
13	11:57:10	113	116	0	553	29	811	1902	1954	52	**2713**	2	2715
14	19:07:50	113	176	203	548	26	1066	1823	1886	63	**2889**	0	2889
15	19:01:02	113	153	101	501	24	892	2044	2047	3	**2936**	0	2936
16	19:06:15	110	180	102	495	24	911	2045	2449	404	**2956**	17	2973
17	19:13:51	110	148	99	511	34	902	2224	2513	289	**3126**	0	3126
18	19:27:30	108	176	101	539	33	957	2068	2067	-1	**3025**	0	3025
19	10:51:33	108	154	0	539	27	828	1973	2253	280	**2801**	0	2801
20	19:31:41	111	76	0	478	27	692	1576	1754	178	**2268**	0	2268
21	19:23:30	111	76	0	535	27	749	1943	1958	15	**2692**	0	2692
22	19:30:00	109	152	86	561	35	943	2035	2089	54	**2978**	0	2978
23	19:04:32	112	172	98	568	35	985	2160	1955	-205	**3145**	0	3145
24	19:13:22	113	177	100	344	28	762	2352	2236	-116	**3114**	9	3123
25	19:03:52	101	148	99	421	27	796	2414	2438	24	**3210**	0	3210
26	19:20:22	110	113	100	444	27	794	2276	2153	-123	**3070**	0	3070
27	19:50:30	111	150	95	385	27	768	2116	2343	227	**2884**	0	2884
28	19:19:47	110	159	100	594	27	990	2340	2563	223	**3330**	3	3333
29	19:25:18	111	154	102	595	27	989	2423	2297	-126	**3412**	6	3418
30	19:33:00	110	179	101	602	26	1018	2120	2494	374	**3138**	0	3138
31	19:23:06	110	128	85	563	27	913	2363	2574	211	**3276**	5	3281

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

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

A (i) RPH	86.464
JHAJJAR SHARE	0.682
NET RPH	85.782
(ii) GT+STG	114.357
(iii) PRAGATI	59.823
(iv) RITHALA	20.243
TOTAL	280.205
B) AVAILABILITY FROM BTPS	403.893
C) AUXILIARY CONSUMPTION OF GENERATING STNs. EXCLUDING BTPS	14.971
D) NET GENERATION AVAILABLE WITHIN DELHI(A+B-C)	**669.127**

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	9.282	8.960	9.282	8.960
SALAL	28.383	27.393	28.383	27.393
TANKAPUR	1.396	1.347	1.396	1.347
CHAMERA	13.470	12.999	13.470	12.999
CHAMERA -II	10.367	10.008	10.367	10.008
DHAULIGANGA	4.891	4.721	4.891	4.721
SEWA -2	11.190	10.798	11.190	10.798
URI	37.741	36.414	37.741	36.414
ANTA (GAS)	19.873	19.172	11.905	11.484
ANTA (RLNG)	10.981	10.594	1.016	0.981
ANTA (LIQUID)	1.214	1.172	0.079	0.077
DADRI (GAS)	45.132	43.549	27.693	26.722
DADRI (RLNG)	18.747	18.084	1.610	1.554
DADRI (LIQUID)	2.304	2.220	0.024	0.023
AURAIYA (GAS)	32.400	31.259	19.960	19.258
AURAIYA (RLNG)	15.166	14.636	1.419	1.370
AURAIYA (LIQUID)	4.579	4.414	0.067	0.065
SINGRAULI	103.735	100.087	97.329	93.911
RIHAND -I	71.769	69.245	66.292	63.963
RIHAND -II	91.263	88.054	84.433	81.466
UNCHAHAR-I	10.830	10.442	9.205	8.876
UNCHAHAR-II	33.307	32.136	29.464	28.431
UNCHAHAR-III	20.947	20.210	18.383	17.738
DADRI (TH)	524.616	506.162	484.160	467.136
DADRI (TH) STAGE-II	556.827	537.134	525.592	507.016
NAPP	20.750	20.017	20.750	20.017
RAPP 'B'	1.505	1.451	1.505	1.451
RAPP 'C'	39.959	38.553	39.959	38.553
NATHPA JHAKRI	26.237	25.323	26.237	25.323
DULASTI	14.005	13.519	14.005	13.519
TEHRI	32.558	31.414	32.558	31.414
JHAJJAR	52.078	50.295	52.078	50.295
KHELGAON	29.542	28.505	25.764	24.864
KHELGAON-II	102.275	98.681	89.874	86.731
FARAKA	13.372	12.899	9.625	9.286
TALA	0.792	0.764	0.792	0.764
TALCHER	0.000	0.000	0.000	0.000
DVC	35.489	34.644	33.371	32.206

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
TO UTTAR PRADESH	-17.744	-18.415	-17.744	-18.415
TO HARYANA	-0.202	-0.210	-0.202	-0.210
TO TAMILNADU	-1.149	-1.207	-1.207	-1.251
TO ANDHRA(WR)	-31.065	-32.290	-32.290	-33.466
TO KERALA	-45.920	-48.420	-48.420	-50.184
TO GOA	-21.233	-22.067	-22.067	-22.864
TO ANDHRA(ER)	-56.992	-58.376	-58.376	-60.502
TO MADHYA PRADESH	-0.140	-0.145	-0.145	-0.150
TO MEGHALAYA	-17.013	-17.677	-17.677	-18.321
TO WEST BENGAL	-62.559	-64.169	-64.169	-66.574
TO RAJASTHAN	-4.006	-4.150	-4.006	-4.150
POWER EXCHANGE(IEX)	2.105	2.031	2.105	2.031
TO POWER EXCHANGE (IEX)	-249.860	-258.945	-249.860	-258.945
POWRER EXCHANGE(PX)	0.000	0.000	0.000	0.000
TO POWER EXCHANGE (PX)	-28.458	-29.503	-28.458	-29.503
TOTAL	**1514.736**	**1423.732**	**1299.352**	**1414.629**

C) AGENCY WISE BREAKUP OF ENERGY SCHEDULED DRAWL FROM THE GRID

NAME OF THE STATION	AVAILABILITY AT POWER PLANT	AVAILABILITY AT PERIPHERY	ALLOCATION MADE BY NRLDC AT POWER PLANT	ALLOCATION MADE BY NRLDC AT POWER PERIPHERY
NTPC - NR	1563.688	1508.570	1378.628	1330.071
NTPC - ER	145.189	140.085	125.264	120.881
NHPC	130.726	126.159	130.726	126.159
NPC	62.214	60.021	62.214	60.021
NATHPA JHAKRI	26.237	25.323	26.237	25.323
TEHRI	32.558	31.414	32.558	31.414
TALA	0.792	0.764	0.792	0.764
JHAJJAR	52.078	50.295	52.078	50.295
TALCHER	0.000	0.000	0.000	0.000
DVC	35.489	34.644	33.371	32.206
POWER EXCHANGE(IEX)	2.105	2.031	2.105	2.031
POWER EXCHANGE(PX)	0.000	0.000	0.000	0.000
TOTAL	**2051.076**	**1979.306**	**1843.973**	**1779.165**

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 UTTAR PRADESH	-17.744	-18.415	-17.744	-18.415
TO HARYANA	-0.202	-0.210	-0.202	-0.210
TO TAMILNADU	-1.149	-1.207	-1.207	-1.251
TO ANDHRA (WR)	-31.065	-32.290	-32.290	-33.466
TO KERALA	-45.920	-48.420	-48.420	-50.184
TO GOA	-21.233	-22.067	-22.067	-22.864
TO ANDHRA(ER)	-56.992	-58.376	-58.376	-60.502
TO MADHYA PRADESH	-0.140	-0.145	-0.145	-0.150
TO MEGHALAYA	-17.013	-17.677	-17.677	-18.321
TO WEST BENGAL	-62.559	-64.169	-64.169	-66.574
TO RAJASTHAN	-4.006	-4.150	-4.006	-4.150
TO POWER EXCHANGE (IEX)	-249.860	-258.945	-249.860	-258.945
TO POWER EXCHANGE (PX)	-28.458	-29.503	-28.458	-29.503
TOTAL	**-536.340**	**-555.574**	**-544.620**	**-564.536**
TOTAL SCHEDULED DRAWAL FROM THE GRID	**1514.736**	**1423.732**	**1299.352**	**1214.629**

TOTAL CONSUMPTION INCLUDING AUX. OF GENERATING STNs. EXCLUDING BTPS		1684.996
NET CONSUMPTION		1670.025
AVAILABILITY WITHIN DELHI		669.127
ACTUAL DRAWAL FROM THE GRID		1000.898
OVER DRAWAL(+)/UNDER DRAWAL(-) FROM THE GRID ON THE BASIS OF SCHEDULED ALLOCATION MADE BY NRLDC TO DELHI AT PERIPHERY		-213.731
LOAD SHEDDING		**1.525**
UNRESTRICTED DEMAND (GROSS)		**1686.521**
UNRESTRICTED DEMAND (NET)		**1671.550**
MAX. NET CONSUMPTION		62.131Mus. ON 29.03.2011
MAX. LOAD SHEDDING		458 MW ON 10.03.2011 AT 15.30HRS.HRS.
PEAK LOAD	Peak Demand during the month	SHEDDING AT PEAK TIME
DAY PEAK	3235MW AT 10:02:23HRS ON 02.03.2011	0MW
EVENING PEAK	3412MW AT 19.25:18HRS ON 29.03.2011	6MW
P.L.F. OF GENCO AND PRAGATI STNs.	RPH	86.09%
	GT	56.93%
	PRAGATI	24.37%
	RITHALA	36.77%

9 SHEDDING DETAILS DURING THE MONTH OF MARCH 2011

ALL FIGURES IN MUs

DATE	No. of Under Freq. Relay Operated	Shedding due to under frequency relay operation in MUs					Shedding due to Grid Restrictions (Over drawal / low freq.)			
		BSES		NDPL	NDMC	TOTAL	BSES		NDPL	NDMC
		BYPL	BRPL				BYPL	BRPL		
1	2	3	4	5	6	7=3 to 6	8	9	10	11
1-Mar-11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
2- Mar -11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.005	0.000
3- Mar -11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
4- Mar -11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
5- Mar -11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
6- Mar -11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
7- Mar -11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
8- Mar -11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
9- Mar -11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
10-Mar-11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
11-Mar-11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
12-Mar-11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
13-Mar-11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
14- Mar-11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.097	0.100	0.000
15- Mar-11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.104	0.000
16- Mar-11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
17- Mar-11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
18- Mar-11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
19- Mar-11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
20- Mar-11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
21- Mar-11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
22- Mar-11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
23- Mar-11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
24- Mar-11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.014	0.000
25- Mar-11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
26- Mar-11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.007	0.000
27- Mar-11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
28- Mar-11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
29- Mar-11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
30- Mar-11	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
31- Mar-11	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**	**0.097**	**0.230**	**0.000**

ALL FIGURES IN MUs

Date	Shedding due to Transmission/Grid Constraints in Central Sector Stations / TTC / ATC VOILATION				TOTAL	TOTAL SHEDDING DUE TO GRID RESTRICTIONS	Due to T&D Constraints				
							DTL				
	BSES		NDPL	NDMC			BSES		NDPL	NDMC	MES
	BYPL	BRPL					BYPL	BRPL			
1	12	13	14	15	16=8to15	17=16+7	18	19	20	21	22
1-Mar-11	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.001	0.000	0.000
2- Mar -11	0.000	0.000	0.000	0.000	**0.005**	**0.005**	0.000	0.000	0.000	0.000	0.000
3- Mar -11	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
4- Mar -11	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
5- Mar -11	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.010	0.000	0.000	0.000
6- Mar -11	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
7- Mar -11	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
8- Mar -11	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
9- Mar -11	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
10-Mar-11	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.020	0.302	0.087	0.000	0.000
11-Mar-11	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
12-Mar-11	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
13-Mar-11	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.003	0.000	0.013	0.000	0.000
14- Mar-11	0.000	0.000	0.000	0.000	**0.197**	**0.197**	0.000	0.000	0.000	0.000	0.000
15- Mar-11	0.000	0.000	0.000	0.000	**0.104**	**0.104**	0.001	0.000	0.000	0.000	0.000
16- Mar-11	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.009	0.000	0.000
17- Mar-11	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
18- Mar-11	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
19- Mar-11	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
20- Mar-11	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.006	0.000	0.000	0.000
21- Mar-11	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.003	0.000	0.000
22- Mar-11	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.041	0.000	0.000	0.000
23- Mar-11	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
24- Mar-11	0.000	0.000	0.000	0.000	**0.014**	**0.014**	0.000	0.000	0.000	0.000	0.000
25- Mar-11	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.013	0.000	0.000
26- Mar-11	0.000	0.000	0.000	0.000	**0.007**	**0.007**	0.000	0.000	0.000	0.000	0.000
27- Mar-11	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
28- Mar-11	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
29- Mar-11	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.005	0.000	0.000	0.000	0.000
30- Mar-11	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
31- Mar-11	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.018	0.000	0.000
Total	**0.000**	**0.000**	**0.000**	**0.000**	**0.327**	**0.327**	**0.029**	**0.359**	**0.144**	**0.000**	**0.000**

ALL FIGURES IN MUs

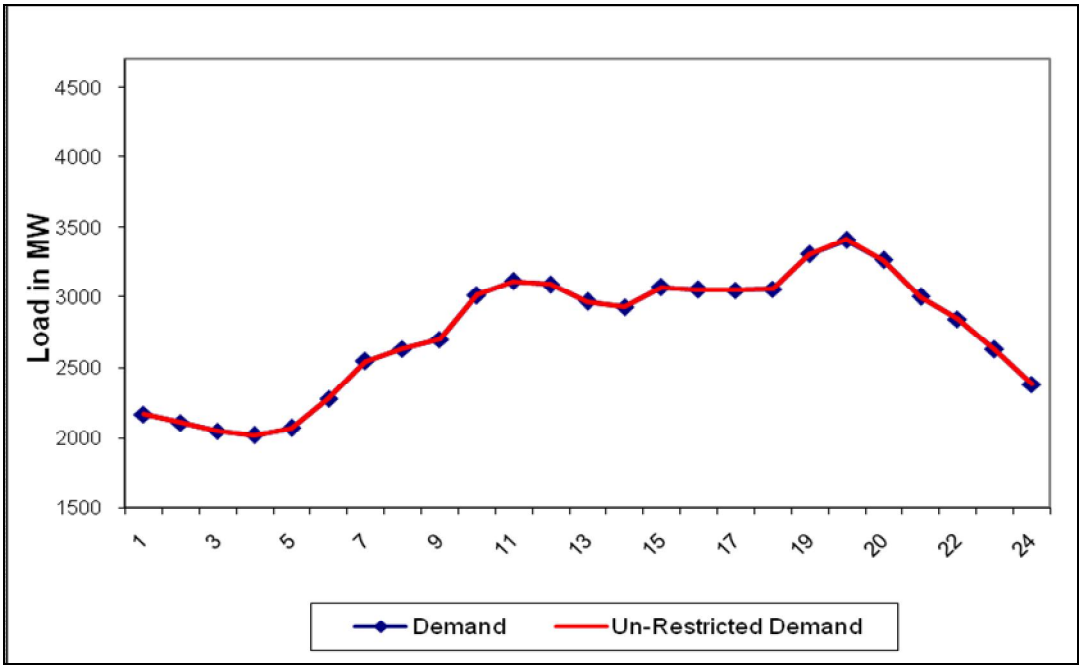
DATE	DUE TO T&D CONTRAINTS				OTHER AGENCIES LIKE GENCO, BBMB, BTPS ETC.	THEFT PRONE SHEDDING			TOTAL SHEDDING DUE TO T&D CONSTS. & THEFT PRONE	GRAND TOTAL
	DISCOMS									
	BSES		NDPL	NDMC		BSES		NDPL		
	BYPL	BRPL				BYPL	BRPL			
1	23	24	25	26	27	28	29	30	31=18 to30	32=31+17
1-Mar-11	0.000	0.000	0.009	0.000	0.000	0.000	0.000	0.000	**0.010**	**0.010**
2- Mar -11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**	**0.005**
3- Mar -11	0.008	0.000	0.002	0.000	0.000	0.000	0.000	0.000	**0.010**	**0.010**
4- Mar -11	0.000	0.000	0.007	0.000	0.000	0.000	0.000	0.000	**0.007**	**0.007**
5- Mar -11	0.000	0.030	0.000	0.000	0.000	0.000	0.000	0.000	**0.040**	**0.040**
6- Mar -11	0.000	0.000	0.016	0.000	0.000	0.000	0.000	0.000	**0.016**	**0.016**
7- Mar -11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**	**0.000**
8- Mar -11	0.000	0.018	0.048	0.000	0.000	0.000	0.000	0.000	**0.066**	**0.066**
9- Mar -11	0.000	0.017	0.008	0.000	0.000	0.000	0.000	0.000	**0.025**	**0.025**
10-Mar-11	0.000	0.038	0.000	0.000	0.000	0.000	0.000	0.000	**0.447**	**0.447**
11-Mar-11	0.000	0.000	0.009	0.000	0.000	0.000	0.000	0.000	**0.009**	**0.009**
12-Mar-11	0.000	0.034	0.006	0.000	0.000	0.000	0.000	0.000	**0.040**	**0.040**
13-Mar-11	0.005	0.001	0.000	0.000	0.000	0.000	0.000	0.000	**0.022**	**0.022**
14- Mar-11	0.000	0.000	0.006	0.000	0.000	0.000	0.000	0.000	**0.006**	**0.203**
15- Mar-11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.001**	**0.105**
16- Mar-11	0.000	0.000	0.035	0.000	0.000	0.000	0.000	0.000	**0.044**	**0.044**
17- Mar-11	0.011	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.011**	**0.011**
18- Mar-11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**	**0.000**
19- Mar-11	0.000	0.003	0.000	0.000	0.000	0.000	0.000	0.000	**0.003**	**0.003**
20- Mar-11	0.000	0.033	0.000	0.000	0.000	0.000	0.000	0.000	**0.039**	**0.039**
21- Mar-11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.003**	**0.003**
22- Mar-11	0.075	0.032	0.000	0.000	0.000	0.000	0.000	0.000	**0.148**	**0.148**
23- Mar-11	0.013	0.010	0.018	0.000	0.000	0.000	0.000	0.000	**0.041**	**0.041**
24- Mar-11	0.000	0.000	0.038	0.000	0.000	0.000	0.000	0.000	**0.038**	**0.052**
25- Mar-11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.013**	**0.013**
26- Mar-11	0.009	0.000	0.006	0.000	0.000	0.000	0.000	0.000	**0.015**	**0.022**
27- Mar-11	0.006	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.006**	**0.006**
28- Mar-11	0.018	0.000	0.037	0.000	0.000	0.000	0.000	0.000	**0.055**	**0.055**
29- Mar-11	0.000	0.005	0.005	0.000	0.000	0.000	0.000	0.000	**0.015**	**0.015**
30- Mar-11	0.005	0.000	0.003	0.000	0.000	0.000	0.000	0.000	**0.008**	**0.008**
31- Mar-11	0.000	0.037	0.005	0.000	0.000	0.000	0.000	0.000	**0.060**	**0.060**
Total	**0.150**	**0.258**	**0.258**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**1.198**	**1.525**

DATE	(NET CONS.)	MAXI. DEMAND MET DURING THE DAY	TIME OF OCCUR-RENCE OF MAX DEMAND	SHEDDING AT THIS TIME	UN-REST-RICTED DEMAND	MAXIMUM UN-REST-RICTED DEMAND DURING THE DAY	TIME OF MAX. UN-REST. DEMAND	DEMAND AT THAT TIME	SHEDDING AT THAT TIME
	In Mus.	IN MW	IN HRS.	IN MW	IN MW	IN MW	HRS.	IN MW	IN MW
1	32	33	34	35	36=33+35	37=39+40	38	39	40
1-Mar-11	54.766	**3039**	10:00:43	0	**3039**	**3039**	10:00:43	**3039**	0
2- Mar -11	52.535	**3235**	10:02:23	0	**3235**	**3235**	10:02:23	**3235**	0
3- Mar -11	53.143	**3007**	19:01:01	0	**3007**	**3007**	19:01:01	**3007**	0
4- Mar -11	54.622	**3166**	09:59:07	0	**3166**	**3166**	09:59:07	**3166**	0
5- Mar -11	51.984	**2900**	09:52:12	0	**2900**	**2900**	09:52:12	**2900**	0
6- Mar -11	50.423	**2908**	09:59:32	0	**2908**	**2908**	09:59:32	**2908**	0
7- Mar -11	51.312	**2903**	10:07:33	0	**2903**	**2903**	10:07:33	**2903**	0
8- Mar -11	51.629	**2872**	10:35:56	7	**2879**	**2879**	10:35:56	**2872**	7
9- Mar -11	52.969	**2917**	10:18:54	0	**2917**	**2917**	10:18:54	**2917**	0
10-Mar-11	52.629	**2863**	19:05:19	0	**2863**	**2863**	19:05:19	**2863**	0
11-Mar-11	53.369	**2928**	10:26:31	0	**2928**	**2928**	10:26:31	**2928**	0
12-Mar-11	51.338	**2781**	09:55:43	0	**2781**	**2781**	09:55:43	**2781**	0
13-Mar-11	47.646	**2713**	11:57:10	2	**2715**	**2715**	11:57:10	**2713**	2
14- Mar-11	52.483	**2889**	19:07:50	0	**2889**	**2889**	19:07:50	**2889**	0
15- Mar-11	55.324	**2936**	19:01:02	0	**2936**	**2936**	19:01:02	**2936**	0
16- Mar-11	56.240	**2956**	19:06:15	17	**2973**	**2973**	19:06:15	**2956**	17
17- Mar-11	55.386	**3126**	19:13:51	0	**3126**	**3126**	19:13:51	**3126**	0
18- Mar-11	57.706	**3025**	19:27:30	0	**3025**	**3025**	19:27:30	**3025**	0
19- Mar-11	52.365	**2801**	10:51:33	0	**2801**	**2801**	10:51:33	**2801**	0
20- Mar-11	43.346	**2268**	19:31:41	0	**2268**	**2268**	19:31:41	**2268**	0
21- Mar-11	48.715	**2692**	19:23:30	0	**2692**	**2692**	19:23:30	**2692**	0
22- Mar-11	53.400	**2978**	19:30	0	**2978**	**2978**	19:30	**2978**	0
23- Mar-11	56.505	**3145**	19:04:32	0	**3145**	**3145**	19:04:32	**3145**	0
24- Mar-11	55.801	**3114**	19:13:22	9	**3123**	**3123**	19:13:22	**3114**	9
25- Mar-11	55.433	**3210**	19:03:52	0	**3210**	**3210**	19:03:52	**3210**	0
26- Mar-11	53.957	**3070**	19:20:22	0	**3070**	**3070**	19:20:22	**3070**	0
27- Mar-11	53.046	**2884**	19:50:30	0	**2884**	**2884**	19:50:30	**2884**	0
28- Mar-11	60.615	**3330**	19:19:47	3	**3333**	**3333**	19:19:47	**3330**	3
29- Mar-11	62.131	**3412**	19:25:18	6	**3418**	**3418**	19:25:18	**3412**	6
30- Mar-11	59.859	**3138**	19:33	0	**3138**	**3138**	19:33	**3138**	0
31- Mar-11	59.348	**3276**	19:23:06	5	**3281**	**3281**	19:23:06	**3276**	5
Total	**1670.025**	**3412**	**19:25:18**	6	**3418**	**3418**	**19.25.18**		

10 LOAD PATTERN OF DELHI ON THE DAY OF PEAK DEMAND MET DURING MARCH 2011 ON 29.03.2011 – 3412MW at 19.25.18HRS.

All figures in MW

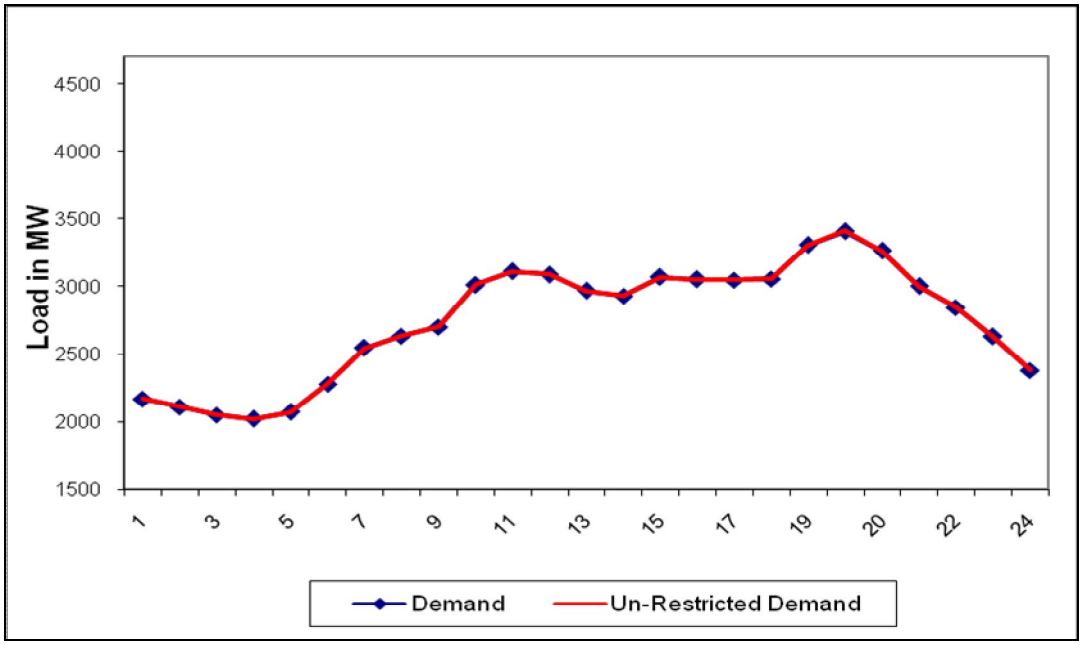
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	2171	4	2175
2.00	2110	0	2110
3.00	2052	0	2052
4.00	2022	0	2022
5.00	2073	0	2073
6.00	2280	0	2280
7.00	2548	0	2548
8.00	2635	0	2635
9.00	2704	0	2704
10.00	3015	0	3015
11.00	3114	0	3114
12.00	3091	0	3091
13.00	2970	0	2970
14.00	2932	0	2932
15.00	3070	3	3073
16.00	3054	0	3054
17.00	3049	0	3049
18.00	3058	0	3058
19.00	3310	0	3310
19.25.18	3412	6	3418
20.00	3267	0	3267
21.00	3004	0	3004
22.00	2846	0	2846
23.00	2630	0	2630
24.00	2382	0	2382
ENERGY IN Mus	62.131	0.015	62.146



11 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UN-RESTRICTED DEMAND DURING MARCH 2011 – 29.03.2011– 3418MW at 19:25:18HRS.

All figures in MW

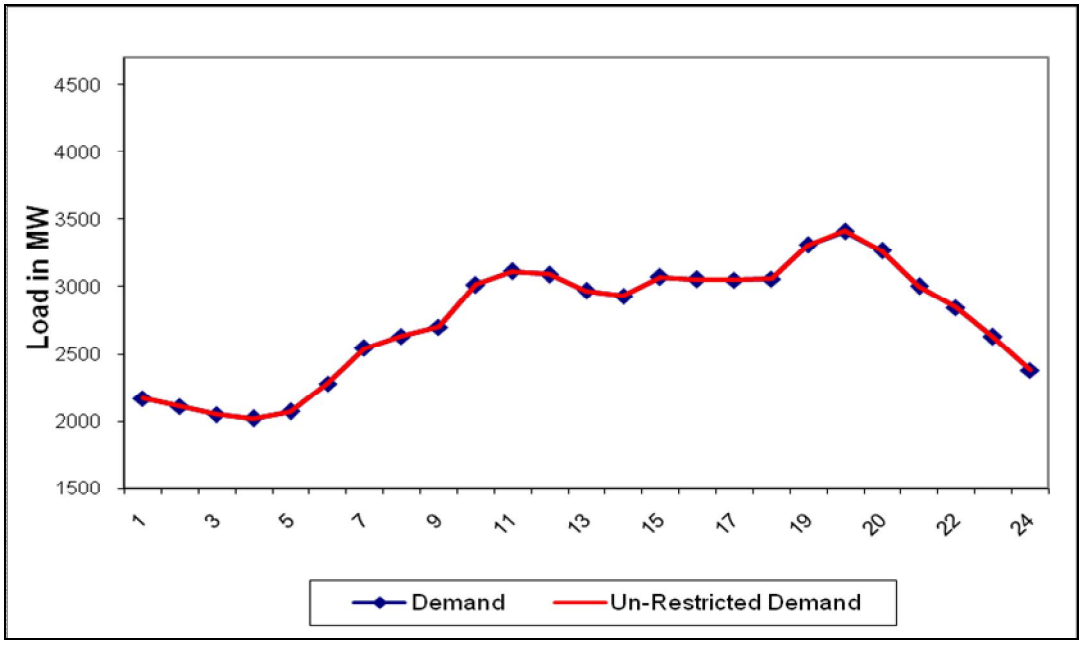
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	2171	4	2175
2.00	2110	0	2110
3.00	2052	0	2052
4.00	2022	0	2022
5.00	2073	0	2073
6.00	2280	0	2280
7.00	2548	0	2548
8.00	2635	0	2635
9.00	2704	0	2704
10.00	3015	0	3015
11.00	3114	0	3114
12.00	3091	0	3091
13.00	2970	0	2970
14.00	2932	0	2932
15.00	3070	3	3073
16.00	3054	0	3054
17.00	3049	0	3049
18.00	3058	0	3058
19.00	3310	0	3310
19.25.18	3412	6	3418
20.00	3267	0	3267
21.00	3004	0	3004
22.00	2846	0	2846
23.00	2630	0	2630
24.00	2382	0	2382
ENERGY IN Mus	62.131	0.015	62.146



12 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM ENERGY CONSUMED DURING MARCH 2011 – 29.03.2011 – 62.131 Mus

All figures in MW

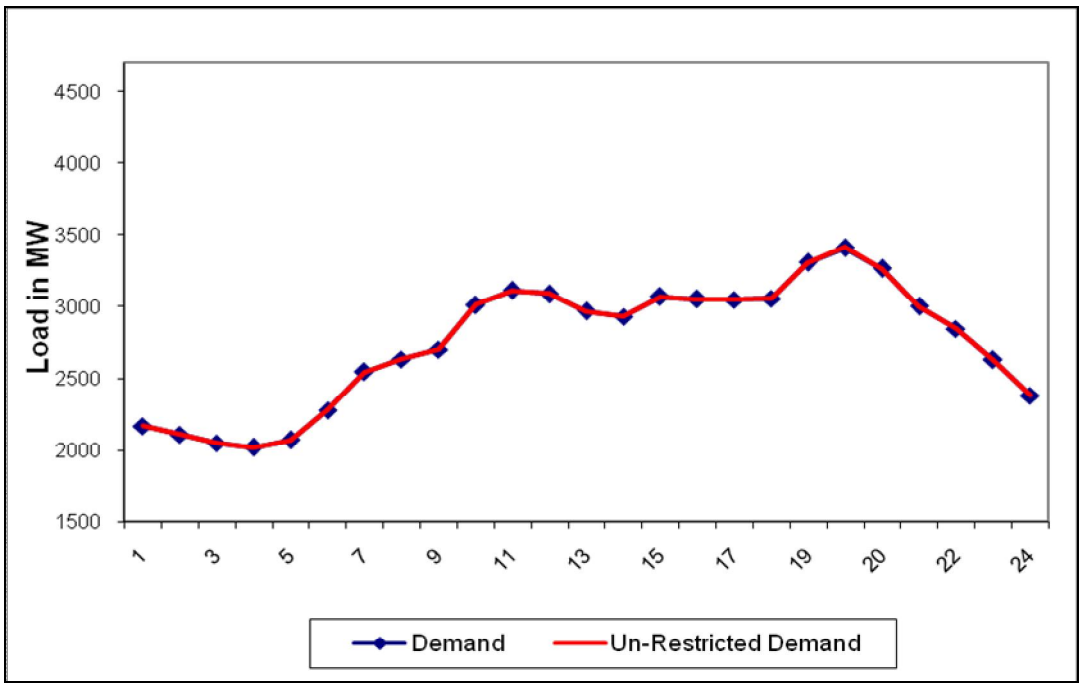
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	2171	4	2175
2.00	2110	0	2110
3.00	2052	0	2052
4.00	2022	0	2022
5.00	2073	0	2073
6.00	2280	0	2280
7.00	2548	0	2548
8.00	2635	0	2635
9.00	2704	0	2704
10.00	3015	0	3015
11.00	3114	0	3114
12.00	3091	0	3091
13.00	2970	0	2970
14.00	2932	0	2932
15.00	3070	3	3073
16.00	3054	0	3054
17.00	3049	0	3049
18.00	3058	0	3058
19.00	3310	0	3310
19.25.18	3412	6	3418
20.00	3267	0	3267
21.00	3004	0	3004
22.00	2846	0	2846
23.00	2630	0	2630
24.00	2382	0	2382
ENERGY IN Mus	62.131	0.015	62.146



13 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UNRESTRICTED ENERGY DEMAND DURING MARCH 2011 – 29.03.2011 – 62.146Mus

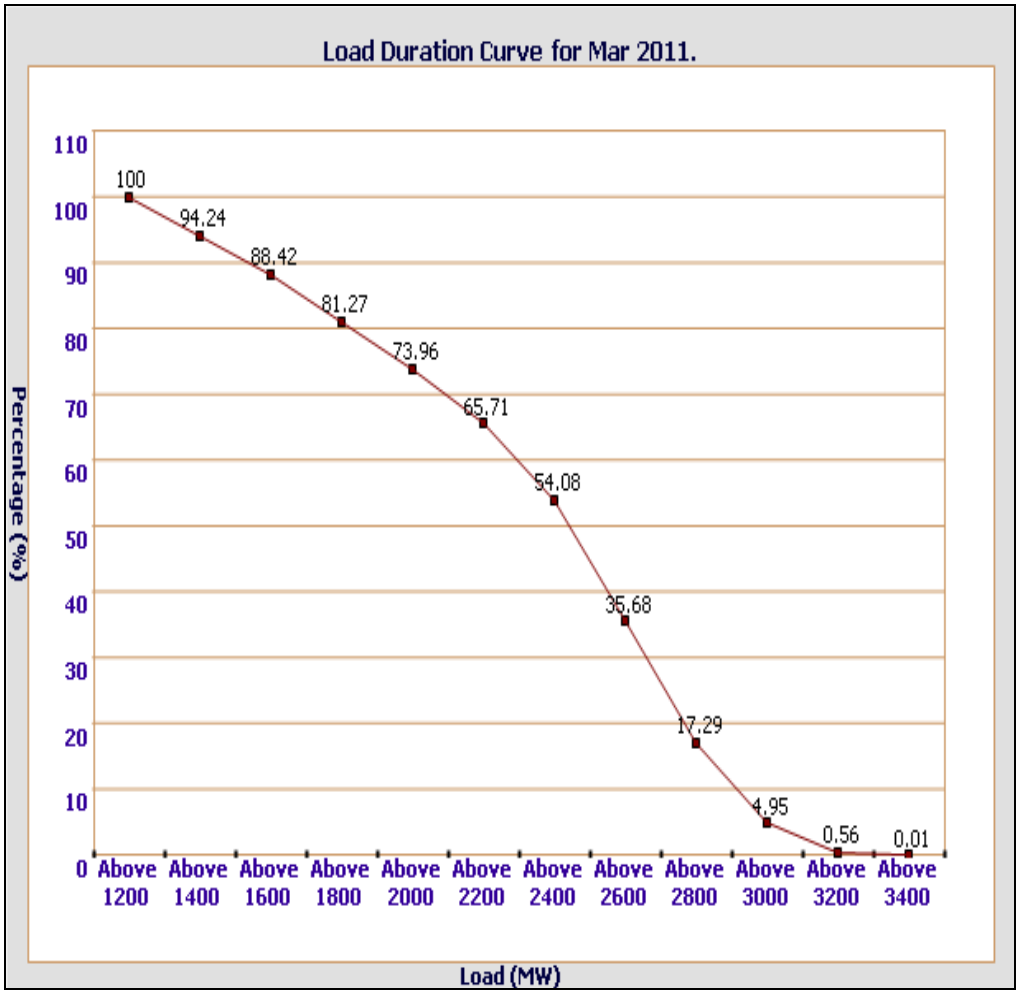
All figures in MW

Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	2171	4	2175
2.00	2110	0	2110
3.00	2052	0	2052
4.00	2022	0	2022
5.00	2073	0	2073
6.00	2280	0	2280
7.00	2548	0	2548
8.00	2635	0	2635
9.00	2704	0	2704
10.00	3015	0	3015
11.00	3114	0	3114
12.00	3091	0	3091
13.00	2970	0	2970
14.00	2932	0	2932
15.00	3070	3	3073
16.00	3054	0	3054
17.00	3049	0	3049
18.00	3058	0	3058
19.00	3310	0	3310
19.25.18	3412	6	3418
20.00	3267	0	3267
21.00	3004	0	3004
22.00	2846	0	2846
23.00	2630	0	2630
24.00	2382	0	2382
ENERGY IN Mus	62.131	0.015	62.146



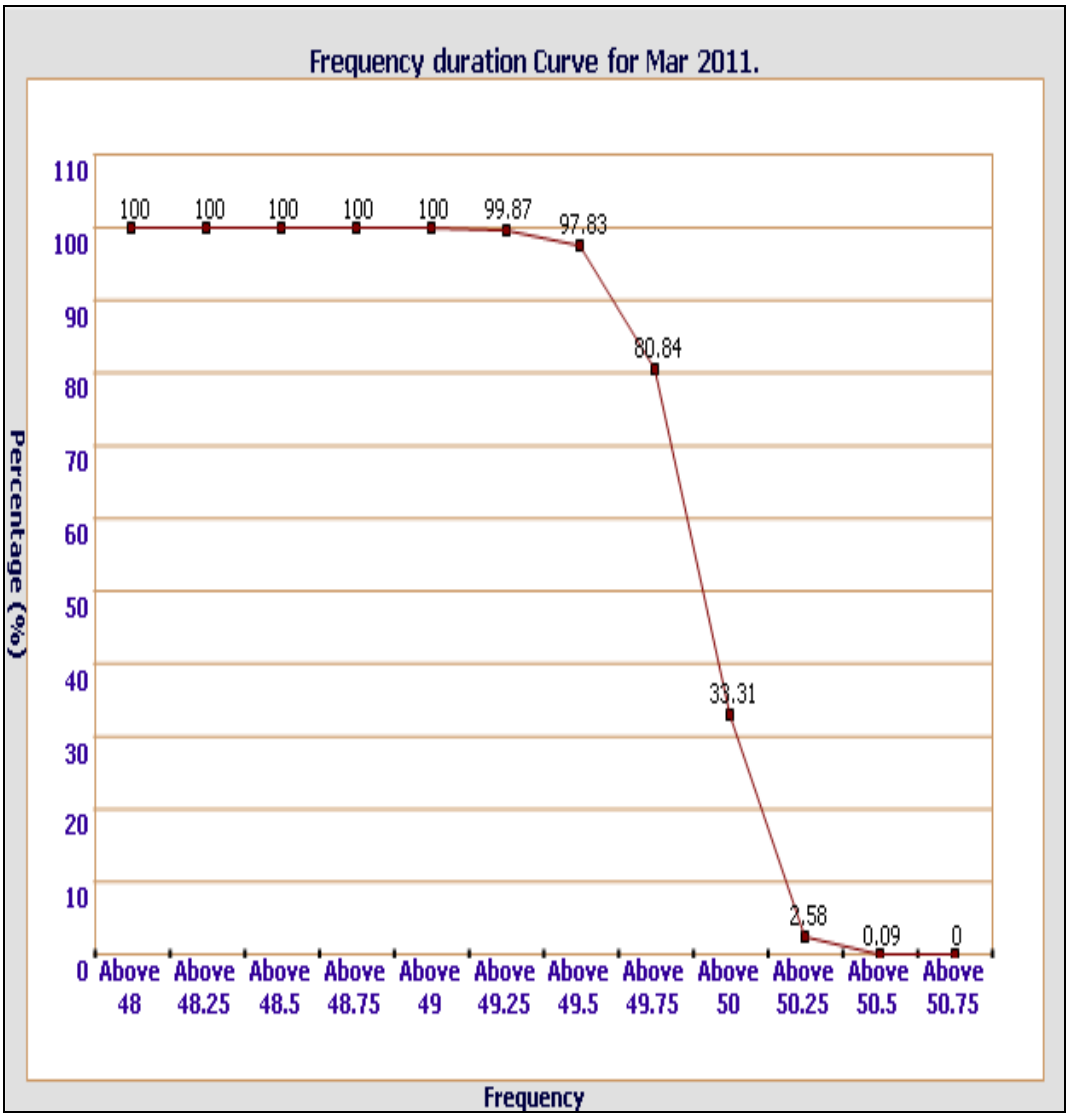
14 LOAD DURATION CURVE FOR MARCH 2011

Load in MW	Percentage of Time
Above 1200	100 %
Above 1400	94.24 %
Above 1600	88.42 %
Above 1800	81.27 %
Above 2000	73.96 %
Above 2200	65.71 %
Above 2400	54.08 %
Above 2600	35.68 %
Above 2800	17.29 %
Above 3000	4.95 %
Above 3200	0.56 %
Above 3400	0.01 %
Above 3500	6.6 %
Above 3700	2.33 %
Above 3900	0.26 %
Above 4100	0 %



15 FREQUENCY ANALYSIS FOR THE MONTH OF MARCH 2011

Frequency Range in Hz.	Percentage of time
Above 49.00	100 %
Above 49.25	99.87 %
Above 49.50	97.83 %
Above 49.75	80.84 %
Above 50.00	33.31 %
Above 50.25	2.58 %
Above 50.50	0.09 %
Above 50.75	0 %



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

All figures in kV

Date	NARELA		GAZIPUR	
	Max	Min	Max	Min
1-Mar-11	232.40	215.64	233.82	219.25
2- Mar -11	--	--	--	--
3- Mar -11	230.47	216.41	--	--
4- Mar -11	233.95	214.35	--	--
5- Mar -11	233.43	214.73	--	--
6- Mar -11	--	--	--	--
7- Mar -11	--	--	--	--
8- Mar -11	--	--	--	--
9- Mar -11	229.95	212.67	231.24	212.15
10-Mar-11	--	--	226.21	223.63
11-Mar-11	222.86	213.96	--	--
12-Mar-11	224.92	213.32	--	--
13-Mar-11	239.98	217.83	--	--
14- Mar-11	227.63	213.44	225.70	216.41
15- Mar-11	227.24	211.90	227.89	215.12
16- Mar-11	222.86	211.51	226.08	211.51
17- Mar-11	224.66	212.80	226.73	213.70
18- Mar-11	227.63	210.74	230.73	212.54
19- Mar-11	228.02	214.73	227.89	219.25
20- Mar-11	230.47	219.12	--	--
21- Mar-11	230.47	214.09	230.86	223.76
22- Mar-11	228.28	214.48	229.18	216.28
23- Mar-11	226.34	213.19	--	--
24- Mar-11	227.24	214.09	--	--
25- Mar-11	227.37	213.83	--	--
26- Mar-11	225.57	213.96	--	--
27- Mar-11	225.44	214.99	--	--
28- Mar-11	228.15	214.09	--	--
29- Mar-11	227.89	213.83	222.09	218.22
30- Mar-11	232.66	212.67	--	--
31- Mar-11	227.63	215.38	--	--

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

All figures in kV

Date	400kV Bamnauli Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
1-Mar-11	423.72	02.37.12	395.82	09.24.41	408.98
2- Mar -11	420.67	02.04.06	385.74	09.52.12	406.41
3- Mar -11	423.72	03.34.53	395.12	19.07.01	407.72
4- Mar -11	423.72	04.01.08	393.71	10.11.08	409.02
5- Mar -11	425.36	03.58.39	396.76	09.31.40	408.46
6- Mar -11	--	--	--	--	--
7- Mar -11	--	--	--	--	--
8- Mar -11	--	--	--	--	--
9- Mar -11	418.56	03.58.06	388.55	10.07.14	401.19
10-Mar-11	415.52	04.04.22	352.91	15.21.51	401.96
11-Mar-11	412.00	04.00.09	386.91	09.13.27	400.52
12-Mar-11	410.12	03.10.50	388.55	14.51.63	399.63
13-Mar-11	418.33	05.07.44	388.78	09.19.19	402.93
14- Mar-11	414.58	02.48.54	392.30	14.02.22	404.22
15- Mar-11	414.34	04.03.42	390.43	09.41.51	402.47
16- Mar-11	412.00	02.59.39	384.33	16.18.25	400.34
17- Mar-11	411.53	05.05.02	391.13	14.20.34	401.99
18- Mar-11	416.69	--	389.25	--	402.96
19- Mar-11	417.16	03.25.57	395.58	11.16.04	406.90
20- Mar-11	420.21	04.03.13	401.45	12.19.24	410.59
21- Mar-11	420.21	04.03.32	396.76	09.48.03	407.87
22- Mar-11	416.69	04.01.58	392.30	09.26.06	401.83
23- Mar-11	411.53	04.04.41	389.25	10.11.03	401.62
24- Mar-11	416.69	04.04.16	393.71	19.05.52	403.52
25- Mar-11	414.81	04.04.23	392.07	10.20.26	401.82
26- Mar-11	410.83	03.58.41	389.72	12.36.09	401.30
27- Mar-11	412.47	04.00.44	395.58	19.12.59	404.11
28- Mar-11	416.92	--	392.07	--	404.44
29- Mar-11	416.92	02.52.53	391.36	12.15.32	403.09
30- Mar-11	425.13	03.34.16	388.78	15.31.44	406.65
31- Mar-11	417.16	03.44.06	395.58	12.06.42	407.09

Date	400kV Bawana Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
1-Mar-11	427.47	02.37.12	400.27	09.44.32	413.32
2- Mar -11	424.19	02.03.06	393.47	09.52.43	411.86
3- Mar -11	428.88	03.34.43	401.92	19.08.22	413.85
4- Mar -11	429.12	04.01.08	399.81	10.15.48	414.50
5- Mar -11	428.88	03.57.39	401.45	09.32.20	413.04
6- Mar -11	--	--	--	--	--
7- Mar -11	--	--	--	--	--
8- Mar -11	--	--	--	--	--
9- Mar -11	423.02	03.57.26	393.71	10.07.04	406.44
10-Mar-11	419.74	04.04.42	375.65	15.21.51	405.88
11-Mar-11	415.52	04.00.29	390.43	09.13.07	404.34
12-Mar-11	413.17	03.10.20	392.30	12.41.42	402.95
13-Mar-11	419.03	18.04.40	392.30	09.17.29	403.77
14- Mar-11	418.33	02.50.54	396.05	14.02.22	408.06
15- Mar-11	418.33	04.04.42	394.88	09.40.21	406.24
16- Mar-11	415.52	02.59.09	389.02	10.17.31	404.12
17- Mar-11	414.81	05.04.32	--	--	406.57
18- Mar-11	--	--	--	--	--
19- Mar-11	422.55	03.26.07	400.27	11.21.14	411.98
20- Mar-11	425.13	04.04.44	405.67	12.18.14	415.48
21- Mar-11	425.13	04.03.02	399.57	18.56.08	412.72
22- Mar-11	421.38	03.52.58	396.99	09.25.56	406.72
23- Mar-11	415.98	04.04.01	394.65	10.11.23	406.64
24- Mar-11	421.38	04.03.16	398.63	19.05.42	408.19
25- Mar-11	419.74	04.04.43	396.99	10.20.56	406.57
26- Mar-11	415.05	03.58.41	--	--	407.71
27- Mar-11	418.33	04.04.44	400.98	12.39.05	409.77
28- Mar-11	--	--	--	--	--
29- Mar-11	423.96	02.53.13	309.57	12.15.22	410.24
30- Mar-11	432.16	03.33.16	396.76	15.20.54	413.72
31- Mar-11	423.96	03.43.46	403.09	12.05.42	414.10

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 2011

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
01	05.03.11	04.46	220KV BAMNAULI – PAPPANKALAN-I CKT-I	05.03.11	05.05	CKT. TRIPPED ON DIST PROT `C' PHASE 186A&B AT BAMNAULI AND NO TRIPING AT PAPPANAKALAN-I
02	10.03.11	15.20	220K BAMNAULI – PAPPANKALAN-I CKT-I & II	10.03.11	16.18	BOTH CKT TRIPPED ON E/F AT PAPPANKALAN-I
03	10.03.11	15.20	220KV BAMNAULI – DIAL CKT-I & II	11.03.11	17.15	CKT. TRIPPED ON DIST PROT `R' PHASE ZONE-I AT DIAL.CKT-I & II CHARGED AT 16.45HRS. AND 17.15HRS RESPECTIVELY.
04	10.03.11	15.22	220KV MEHRAULI – DIAL CKT-I & II	10.03.11	15.47	SUPPLY FAILED AT MEHRAULI DUE TO TRIPPING OF 220KV BAMNAULI – DIAL CKT-I & II
05	10.03.11	15.25	220/66KV 100MVA PR. TR.-II & IV AT NAJAFGARH	10.03.11	16.05	BOTH TRANSFORMERS TRIPPED ON E/F.
06	10.03.11	15.23	220/33KV 100MVA PR. TR-I & II AT NARAINA	10.03.11	16.35	BOTH TRANSFORMERS TRIPPED ON 86, E/F
07	10.03.11	15.22	220KV MEHRAULI – VASANT KUNJ CKT-I	10.03.11	15.47	SUPPLY FAILED FROM MEHRAULI. NO TRIPPING AT VASANT KUNJ
08	10.03.11	15.20	220KV RIDGE VALLEY – NARAINA CKT	10.03.11	16.42	CKT. TRIPPED ON E/F, GENERAL TRIP, 86A&B AT RIDGE VALLEY.
09	10.03.11	15.20	400KV MUNDKA – BAMNAULI CKT-I	10.03.11	16.31	CKT. TRIPPED ON AUTO RECLOSE LOCK OUT, GAS PRESSURE LOW AT MUNDKA.
10	10.03.11	16.28	220KV MANDOLA – GOPALPUR CKT-I	10.03.11	17.05	CKT. TRIPPED ON DIST PROT ZONE-I AT GOPALPUR AND ON DIST PROT `B' PHASE ZONE-II AT MANDOLA.
11	10.03.11	15.20	220KV BAMNAULI – PAPPANKALAN-II CKT-I & II	10.03.11	16.36	CKT. TRIPPED ON DIST PROT ZONE-I AT BAMNAULI. NO TRIPPING AT PAPPANKALAN-II
12	10.03.11	16.36	220/66KV 100MVA PR. TR.-I & II PAPPANKALAN-II	10.03.11	16.36	TR.-I TRIPPED ON O/C, E/F AND TR.-II TRIPPED ON O/C, E/F, 86
13	11.03.11	09.31	220KV BTPS – MEHRAULI CKT-II	11.03.11	09.46	CKT. TRIPPED ON 30A, E/F AT BTPS AND ON DIST PROT `A' PHASE ZONE-I AT MEHRAULI.
14	13.03.11	16.54	220KV GOPALPUR – SUBZI MANDI CKT-II	13.03.11	17.41	CKT. TRIPPED ON DIST PROT `RYB' PHASE ZONE-I AT GOPALPUR. NO TRIPPING AT SUBZI MANDI.
15	14.03.11	18.14	220KV MAHARANI BAGH – SARITA VIHAR CKT.	14.03.11	18.38	CKT. TRIPPED ON DIST PROT 'YB' PHASE ZONE-I AT MAHARANI BAGH AND ON DIST PROT `ABC' PHASE ZONE-I AT SARITA VIHAR
16	14.03.11	19.54	400KV MUNDKA – BAWANA CKT-I	14.03.11	20.14	BREAKER NO.41952 OF CKT-I TRIPPED ON 86A&B AT MUNDKA.
17	17.03.11	16.56	66/11KV 20MVA PR. TR.-II AT PAPPANKALAN-II	17.03.11	19.27	TR. TRIPPED ON O/C B' PHASE, BACK UP PROTECTION, DIFFERENTIAL, LBB PROTECTION, 86.
18	19.03.11	14.22	220KV MANDOLA – WAZIRABAD CKT-III	19.03.11	14.48	CKT. TRIPPED ON DIST PROT `RYB' PHASE AT WAZIRABAD
19	20.03.11	01.59	33/11KV 20MVA PR. TR.-I AT LODHI ROAD	20.03.11	03.50	TR. TRIPPED ON O/C, E/F ALONG WITH ITS 11KV I/C-I.

SL NO	OCCURRENCE OF BREAKDOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
20	20.03.11	09.57	220/33KV 100MVA PR. TR.-IV AT OKHLA	20.03.11	10.20	TR. TRIPPED ON 51CX, 86 ALONG WITH 33KV I/C-III & IV. 33KV I/C-III TRIPPED ON E/F, 86, 51C AND 33KV I/C-IV TRIPPED ON E/F, 51C, 86LV SIDE. 33KV I/C-III & IV CHARGED AT 10.10HRS AND 10.22HRS RESPECTIVELY.
21	21.03.11	12.23	220KV NARAINA – RIDGE VALLEY CKT.	21.03.11	12.44	CKT. TRIPPED ON AUTO RECLOSE LOCK OUT, 186ABC, GENERAL TRIP `R' PHASE AT NARAINA AND ON 86A AT RIDGE VALLEY.
22	21.03.11	12.23	400KV MUNDKA – BAMNAULI CKT-I & II	21.03.11		CB-401 TRIPPED ON BUS BAR PROTECTION AT BAMNAULI AND CB-401 BUS BAR PROTECTION OPERATION
23	21.03.11	12.23	400KV BAWANA – BAMNAULI CKT-I	21.03.11		CB-417 OF BAWANA CKT-II TRIPPED ON 86A&B, 186LO AT BAMNAULI AND CB-419&420 TRIPPED ON AIR PRESSURE LOW, 186LO, 86A&B AT BAMNAULI.
24	21.03.11	12.23	220/66KV 100MVA PR. TR.-I & II AT DSIDC BAWANA	21.03.11	13.21	BOTH TRANSFORMERS TRIPPED ON E/F, O/C.
25	21.03.11	15.02	220KV MANDOLA – GOPALPUR CKT-I	21.03.11	15.14	CKT. TRIPPED ON DIST PROT `B&C' PHASE ZONE-II AT GOPALPUR.
26	21.03.11	19.25	220KV MANDOLA – WAZIRABADA CKT-III	21.03.11		CKT. TRIPPED ON DIST PROT `RYB' PHASE AT WAZIRABAD.
27	21.03.11	23.46	220KV MANDOLA – WAZIRABADA CKT-III	22.03.11	00.08	CKT. TRIPPED ON DIST PROT `RYB' PHASE AT WAZIRABAD.
28	22.03.11	12.17	220KV NARAINA – RIDGE VALLEY CKT.	22.03.11	12.39	CKT. TRIPPED ON 186ABC, AUTO RECLOSE AT NARAINA, AND ON 86A&B, E/F AT RIDGE VALLEY.
29	22.03.11	12.17	220KV BAMNAULI – NAJAFGARH CKT-II	22.03.11	12.38	CKT. TRIPPED ON DIST PROT `C' PHASE ZONE-I AT NAJAFGARH AND ON DIST PROT `C' PHASE ZONE-II AT BAMNAULI.
30	22.03.11	23.12	220KV MEHRAULI – VASANT KUNJ CKT-I	22.03.11	23.50	CKT TRIPPED ON 195CB, 67AX, 67CX, 195CB, 186A&B AT MEHRAULI. NO TRIPPING AT VASANT KUNJ
31	23.03.11	22.48	400KV BAWANA – HISSAR CKT.	23.03.11	23.39	400KV CB-852 & 952 TRIPPED O MAIN-I CNZ-I, MAIN-II : ABC PHASE, 186A&B, 86A-II GROUP-II, 86C-II AT BAWANA
32	24.03.11	17.16	400KV JHAJJAR – MUNDKA CKT-I & II	24.03.11	18.24	BOTH BREAKER TRIPPED CHANNEL-I, 86A&B, 411552 JHAJJAR –I BREAKER TRIP ON CHANNEL-I & II 86A&B.
33	24.03.11	15.12	220KV MANDOLA – GOPALPUR CKT-II	24.03.11	15.37	CKT. TRIPPED ON `R'P HASE E/F AT MANDOLA AND ON DIST PROT `R' PHASE AT GOPALPUR.
34	26.03.11	23.24	33/11KV 16MVA PR. TR-III AT LODHI ROAD	26.03.11	23.52	TR. TRIPPED ON O/C `R' PHASE, 86 ALONG WITH ITS 11KV I/C.
35	29.03.11	14.20	66/11KV 20MVA PR. TR.-II AT GAZIPUR	29.03.11	16.00	TR. TRIPPED ON 86
36	29.03.11	16.43	220/33KV 100MVA PR. TR.-I AT IP	29.03.11	17.44	TR. TRIPPED ON DIFFERENTIAL, 86.
37	30.03.11	01.45	220/33KV 100MVA PR. TR-I AT IP	30.03.11	15.40	TR TRIPPED ON DIFFERENTIAL.

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

NIL