DELHI TRANSCO LTD.

STATE LOAD DISPATCH CENTER

PROGRESS REPORT

****

MARCH 2013

1 **SALIENT FEATURES OF DELHI POWER SYSTEM**

Sr. No.	Features	MARCH 2013	MARCH 2012
1	**Effective Generation Capacity within Delhi in MW**		
	Rajghat Power House	135	135
	Gas Turbine	270	270
	Pragati Power Corporation Ltd.	330	330
	Badapur Thermal Power Station	705	705
	Rithala GT	108	108
	Total	1548	1548
2	**Maximum Unrestricted Demand (MW)**	**3590**	**3316**
	Date	12.03.2013	30.03.2012
	Time	19.00	19.34.22
3	**Peak Demand met (MW)**	**3226**	**3316**
	Date	01.03.2013	30.03.2012
	Time	09.43.39	19.34.22
4	Peak Availability (MW)	3223	3263
5	Shortage (-) / Surplus (+) in MW	(-) 3	(-) 53
6	Percentage Shortage (-) / Surplus (+)		(-) 1.60
7	Maximum Energy Consume in a day (Mus)	59.478	62.776
8	Energy Consumed during the month	**1702.177**	**1716.022**
9	**Load Shedding in Mus**		
A)	Due to Grid Restrictions		
i)	Under Frequency Relay Operations	0.000	0.000
ii)	Manual Load shedding from DTL S/Stns.	0.000	0.000
iii)	Load Shedding due to low frequency / Low Voltage / TTC/ATC Violation		
	NDPL	0.286	0.042
	BRPL	0.929	0.201
	BYPL	0.876	0.000
	NDMC	0.000	0.000
	MES	0.000	0.000
iv)	Due to transmission Constraints in Central Sector	0.000	0.000
	Total due to Grid Restriction	**2.091**	**0.243**
B)	Due to Constraints in System in Mus		
	DTL	0.215	0.350
	NDPL	0.090	0.255
	BRPL	0.239	0.077
	BYPL	0.235	0.706
	NDMC	0.000	0.000
	MES	0.000	0.000
	Other Agencies	0.003	0.000
	Total	**0.782**	1.447
11	**Grand Total in Mus**	**2.873**	**1.690**

2. PERFORMANCE OF GENERATING STATIONS WITHIN DELHI DURING MARCH 2013

A) For the month of March 013

All Figures in MUs

S. No	Stations	Gross Generation	Aux. Consumption	Net Generation	Availability (%)	Backing Down
1.	**RPH**	48.679	6.787	41.892	47.34	0
2.	**GT**	102.024	2.933	99.091	85.70	68.038
3.	**PPCL**	204.573	5.292	199.281	91.93	20.814
4.	**BTPS**	438.210	32.260	405.950	103.96	85.942
5.	**Rithala**	0.114	0.143	-0.029	**79.43**	54.122
6.	**Bawana**	53.562	2.678	50.884	68.81	289.308
	TOTAL	**847.162**	**50.093**	**797.069**	**--**	**518.224**

B) For the Year 2011-12 (Upto MARCH 2013)

Power Station	Effective Capacity (MW)	Net Generation in MUs for Mar 2013	Availability (%) for Mar 2013	PLF (%) for Mar 2013	Cumulative Generation in MUs upto Mar. 2013 for the year 2012-13	Cumulative Availability in % upto Mar 2013 for the year 2012-13	Cumulative PLF in % upto Mar. 2013 for the year 2012-13
RPH	135	41.892	47.34	47.34	690.356	66.94	66.26
GT	270	99.091	85.70	50.79	1269.477	84.22	55.35
PPCL	330	199.281	91.93	90.53	2444.713	83.19	87.06
BTPS	705	405.950	103.96	85.86	4166.073	90.23	75.69
Rithala	108	-0.029	**79.43**	0.33	**130.006**	**--**	**--**
Bawana	677	50.884	68.81	10.33	1386.159	88.04	30.37
TOTAL	**2225**	**797.069**	**--**	**--**	**10086.784**	**--**	--

3 DETAILS OF OUTAGES OF GENERATING STNS. WITHIN DELHI W.E.F. APRIL 2012

(A) RPH STATION

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	67.5	03.04.12	19.10	03.04.12	21.05	Unit tripped due to grid disturbance.
		10.04.12	17.00	10.04.12	18.05	
		11.04.12	5.50	11.04.12	6.30	Flame failure.
		11.04.12	6.55	11.04.12	7.40	
		11.04.12	7.55	11.04.12	11.45	Turbine trip.
		27.04.12	11.05	29.04.12	5.20	Unit desynchronised due to Boiler Tube Leakage.
		29.04.12	8.40	29.04.12	9.40	Unit tripped with heavy jerk, when AOP-1A started, emergency boerd incomer No. A tripped on earth fault.
		03.05.12	17.40	05.05.12	8.40	Unit desynchronized to attend the Condensor tube leakage.
		12.05.12	17.30	16.05.12	6.45	Unit tripped on system disturbance, later on there is found Boiler tube leakage.
		16.05.12	11.30	15.05.12	13.40	Unit tripped on system disturbance, total dark out.
		20.05.12	12.05	20.05.12	12.35	Unit tripped due to electrical problem.
		23.05.12	10.30	23.05.12	11.55	Unit tripped due to furnace pr. high.
		25.05.12	17.10	25.05.12	21.55	Unit tripped due to electrical problem.
		26.05.12	11.10	26.05.12	12.15	Unit tripped due to drum level very low.
		26.05.12	17.05	27.05.12	3.25	Unit tripped due to electrical problem.
		27.05.12	3.40	27.05.12	4.10	Unit tripped due to master fuel trip.
		28.05.12	7.30	28.05.12	9.35	Unit tripped due to electrical problem.
		03.06.12	17.35	03.06.12	19.20	Unit tripped due to flame failure.
		07.06.12	3.05	07.06.12	5.50	Unit tripped on aux. supply failure due to Stn.-1 tripped.
		07.06.12	10.40	07.06.12	11.10	
		19.06.12	10.40	22.06.12	15.10	Unit tripped due to Boiler tube leakage.
		30.06.12	0.45	30.06.12	1.25	Unit tripped due to 33KV supply failure.
		06.07.12	18.35	09.07.12	15.00	Unit tripped on turbine trip, later on the unit still stopped as per system operation.
		10.07.12	8.10	01.09.12	20.40	Unit tripped on flame failure, later on the unit taken on Planned Outage as capital O/H w.e.f. 18/07/12 at zero hrs.
		10.09.12	23.10	10.09.12	23.40	Unit tripped due to loss of oil fuel.
		11.09.12	14.55	13.09.12	11.20	Unit desynchronised to attend the IBD-59 & 60.
		23.09.12	14.20	25.09.12	10.30	Unit desynchronised to attend the boiler tube leakage.
		08.10.12	1.15	10.10.12	7.30	
		27.10.12	10.20	27.10.12	12.20	Unit tripped due to grid disturbance, total dark out.
		27.10.12	14.00	27.10.12	14.50	
		30.10.12	7.40	30.10.12	10.10	Unit tripped due to Monkey jumped in yard, Bay No. 10 to 22 tripped.
		30.10.12	11.00	30.10.12	13.05	Turbine trip.
		30.10.12	13.45	30.10.12	14.35	
		15.11.12	0.30	16.11.12	2.30	Unit desynchronised to attend the boiler tube leakage.
		08.12.12	7.40	09.12.12	22.55	
		15.12.12	13.00	15.12.12	13.35	Unit tripped due to drum level low.
		21.12.12	1.20	24.12.12	12.30	Unit desynchronised to attend the boiler tube leakage.
		07.01.13	20.10	07.01.13	22.20	Unit tripped due to turbine trip.
		26.01.13	14.05	26.01.13	19.40	Unit desynchronised to attend the CW v/v.
		23.02.13	0.30	24.02.13	22.45	Unit desynchronised to attend the Boiler tube leakage.
		28.02.13	9.30	06.03.13	21.10	Unit desynchronised due to shortage of coal fuel.
		16.03.13	8.00	17.03.13	20.50	Unit desynchronised to attend the CW line leakage.
		25.03.13	20.00	27.03.13	11.30	Unit tripped due to Boiler tube leakage.

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
2	67.5	01.04.12	2.00	01.04.12	11.15	Unit desynchronised due to MS pressure & temp. could not maintained as per system operation.
		03.04.12	19.10	03.04.12	20.50	Unit tripped due to grid disturbance.
		10.04.12	17.00	10.04.12	18.35	
		10.04.12	18.40	10.04.12	19.30	Excitation system problem.
		16.04.12	17.40	18.04.12	19.05	Unit desynchronised due to non-availability of coal mills. As per system operation.
		12.05.12	17.30	12.05.12	20.00	Unit tripped on system disturbance.
		16.05.12	11.30	16.05.12	12.50	Unit tripped on system disturbance, total dark out.
		24.05.12	14.10	24.05.12	1.45	Unit desynchronized to attend the Economisor tube leakage.
		28.05.12	7.30	28.05.12	12.50	Unit tripped due to electrical problem.
		07.06.12	3.05	07.06.12	4.40	Unit tripped on aux. supply failure due to Stn.-1 tripped.
		29.06.12	22.50	30.06.12	2.15	Unit tripped due to fire occurred on 33KV supply cable.
		02.07.12	12.50	05.07.12	11.30	Boiler Tube Leakage.
		06.07.12	21.35	06.07.12	23.35	33KV supply failure.
		07.07.12	8.00	09.07.12	14.00	Unit desynchronized as per system operation.
		09.07.12	15.25	09.07.12	16.05	Turbine vibration high.
		10.07.12	22.15	11.07.12	1.20	Electrical fault.
		13.07.12	1.30	13.07.12	14.10	Furnace pressure very high.
		17.07.12	12.05	17.07.12	13.45	
		20.07.12	4.45	20.07.12	5.45	
		22.07.12	10.10	22.07.12	11.05	Turbine vibration high.
		22.07.12	12.00	22.07.12	12.35	
		30.07.12	2.25	30.07.12	11.40	Grid failure, Total dark out.
		31.07.12	12.55	31.07.12	17.20	
		18.08.12	5.05	18.08.12	6.50	Dark out, 33kv bay no. 1, 2, 6, 13 & 18 under frequency trip.
		25.08.12	16.25	25.08.12	17.05	Drum level very high.
		25.08.12	22.55	26.08.12	10.00	Furnace pressure very high.
		30.08.12	9.05	30.08.12	10.10	
		30.08.12	15.35	30.08.12	16.25	
		30.08.12	20.35	30.08.12	21.30	
		04.09.12	13.40	09.09.12	12.00	Unit desynchronised to attend the boiler tube leakage.
		18.09.12	18.15	18.09.12	19.05	Furnace pressure very high.
		25.09.12	5.20	27.09.12	11.15	Unit desynchronised to attend the boiler tube leakage.
		14.10.12	3.20	14.10.12	6.30	Unit tripped due to furnace pr. very high.
		18.10.12	15.20	19.10.12	6.45	Unit desynchronised to attend the condensor tube leakage.
		24.10.12	15.00	25.10.12	10.55	Unit desynchronised as per System Operation
		27.10.12	10.20	27.10.12	12.15	Unit tripped due to grid disturbance, total dark out.
		27.10.12	14.00	27.10.12	15.00	
		30.10.12	7.40	30.10.12	10.20	Unit tripped due to Monkey jumped in yard, Bay No. 10 to 22 tripped.
		11.11.12	14.20	11.11.12	15.45	Unit tripped due to bus coupler breaker not closed on auto.
		11.11.12	16.15	11.11.12	16.45	Unit tripped due to turbine vibration high.
		11.11.12	17.10	11.11.12	17.50	
		29.11.12	2.05	29.11.12	11.50	Unit tripped due to turbine trip.
		29.11.12	12.00	01.12.12	15.20	Unit tripped due to boiler tube leakage
		27.12.12	1235	27.12.12	13.40	Unit tripped due to turbine trip.
		07.01.13	20.10	07.01.13	20.35	
		08.01.13	13.30	08.01.13	14.40	Unit tripped due to monkey jumped near bay No. 7 in yard.
		09.01.13	9.20	10.01.13	23.00	Unit desynchronised to attend the economisor tube leakage.

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
2	67.5	01.04.12	2.00	01.04.12	11.15	Unit desynchronised due to MS pressure & temprature could not maintained as per system operation.
		14.01.13	0.20	15.01.27	2.10	Unit desynchronised to attend the economisor tube leakage.
		18.01.13	12.25	18.01.13	14.30	Unit tripped due to generator transformer trip.
		20.01.13	2.40	20.01.13	3.50	Unit tripped due to turbine shaft vibration very high.
		20.01.13	8.00	20.01.13	8.50	Unit tripped due to turbine trip.
		20.01.13	10.05	20.01.13	10.45	Unit tripped due to, when UAT-2 try to taken I/S, but UAT-2 breaker not closed.
		20.01.13	11.20	20.01.13	12.00	Unit tripped due to turbine vibration high.
		26.01.13	14.30	27.01.13	1.45	Unit desynchronised to attend the CW v/v.
		02.02.13	3.05	02.02.13	3.55	Unit tripped due to excitation problem.
		02.02.13	4.05	02.02.13	4.30	Unit tripped due to drum level very low.
		10.02.13	16.20	10.02.13	16.50	Unit tripped due to turbine trip.
		10.02.13	17.25	10.02.13	18.20	Unit tripped due to electrical problem.
		01.03.13	15.35	01.03.13	16.25	Unit tripped due to Furnace pressure very high.
		01.03.13	17.10	01.03.13	18.10	Unit tripped due to Furnace pressure very high.
		06.03.13	3.55	24.03.13	16.30	Unit desynchronised due to shortage of coal fuel..
		29.03.13	11.50	29.03.13	12.25	Unit tripped due to Turbine trip.

(B) Gas Turbine

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	30	04.04.12	09.28	04.04.12	12.05	Machine tripped due to jerk observed in C/R.Both 160MVA Tr. tripped on relay 86X.
		08.04.12	17.00	08.04.12	18.05	Machine tripped due to jerk observed in C/R.160MVA Tr. No.2 tripped.
		10.04.12	00.05	10.04.12	12.25	Stopped due to low demand and high frequency.
		12.04.12	17.05	12.04.12	18.22	Machine tripped due to jerk observed in C/R.Both 160MVA Trs. tripped at both end. Over current & earth fault relay operated at GT end on 160MVA Tr-I. Buch-Holtz relay operated on 160MVA Tx-II at IP Ext.end.
		06.05.12	10.49	06.05.12	16.30	Tripped on loss of flame, negative phase sequence alarm appeared in CRT.One controller got out of order.
		24.05.12	22.30	25.05.12	01.20	Stopped as request of C&I staff with HRSG#I to change gen. absolute filter.
		09.06.12	10.05	06.09.12	10.25	Machine came on FSNL
		17.06.12	06.03	18.06.12	19.54	Stopped due to low demand and high frequency.
		19.06.12	21.02	20.06.12	11.30	
		20.06.12	11.30	20.06.12	19.00	Machine tripped during starting due to some elect. Problem.
		20.06.12	19.00	21.06.12	14.50	Stopped due to low demand and high frequency.
		13.07.12	12.38	13.07.12	13.01	GT#1 came on FSNL as the 66 KV bus became dead due tripping of 160 MVA ICT I & II due to Grid disturbance
		30.07.12	02.35	30.07.12	04.00	Machine came on FSNL due to Grid disturbance as both 160 MVA ICT-I&II tripped
		31.07.12	13.02	31.07.12	13.11	Machine came on FSNL due to Grid disturbance as both 160 MVA ICT-I&II tripped
		31.07.12	13.50	31.07.12	13.58	Came on FSNL due to Grid disturbance as both 160 MVA ICT-I&II tripped on under frequency relay operated at 220 KV end.
		05.08.12	06.26	05.08.12	21.15	Machine stopped to attend CW line leakages.
		18.08.12	06.15	18.08.12	10.05	Machine tripped due to Grid disturbance
		29.08.12	00.05	29.08.12	21.35	Stopped due to low demand and high frequency
		02.09.12	10.45	03.09.12	11.10	
		03.09.12	19.02	03.09.12	20.25	
		04.09.12	01.16	10.09.12	09.20	
		13.09.12	09.45	13.09.12	10.00	Tripped due to 160MVA Txf.-2 manually tripped at I.P.Ext. without informing GTPS.
		28.09.12	20.55	30.09.12	12.20	Stopped due to low demand and high frequency
		01.10.12	00.00	01.10.12	02.35	
		01.10.12	05.20	03.10.12	11.50	
		22.10.12	19.00	25.10.12	13.45	
		25.10.12	13.45	31.10.12	19.15	Stopped due to problem in diesel engine.
		31.10.12	19.15	05.11.12	15.50	Stopped due to low demand and high frequency
		14.11.12	14.25	16.11.12	20.20	
		27.11.12	12.01	28.11.12	15.46	
		12.12.12	12.27	14.12.12	08.17	
		16.12.12	05.22	16.12.12	14.50	Tripped due to Grid disturbance.
		16.12.12	15.22	16.12.12	17.10	
		16.12.12	17.40	16.12.12	18.28	
		16.12.12	23.00	19.12.12	17.35	Stopped due to low demand and high frequency
		07.01.13	00.10	07.01.13	06.03	
		08.01.13	22.05	09.01.13	06.20	
		10.01.13	21.02	11.01.13	15.35	
		12.01.13	15.29	13.01.13	23.20	
		14.01.13	20.35	15.01.13	09.30	
		17.01.13	05.30	17.01.13	13.30	
		21.01.13	12.30	21.01.13	13.40	Tripped on failure of IO Pack.
		25.01.13	13.30	08.03.13	10.31	Stopped due to low demand and high frequency
		08.03.13	14.25	085.03.13	15.43	
		08.03.13	18.30	09.03.13	13.05	
		20.03.13	15.55	20.03.13	16.45	Tripped on loss of flame
		28.03.13	12.55	31.03.13	23.59	Stopped due to low demand and high frequency

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
2	30	08.04.12	17.00	08.04.12	18.06	Machine tripped due to jerk observed in C/R.160MVA Tr-2 tripped.
		12.04.12	00.02	12.04.12	06.10	Stopped due to low demand and high frequency.
		12.04.12	09.31	12.04.12	18.32	
		12.04.12	19.45	12.04.12	20.31	Tripped on -ve phase sequence elect. Trouble normal shut down.
		29.04.12	00.01	29.04.12	20.45	Stopped due to low demand and high frequency.
		30.04.12	13.52	30.04.12	21.35	
		06.06.12	12.35	08.06.12	12.10	
		06.07.12	18.02	06.07.12	18.58	During storm GAC shade fibre sheet fell on unit Trf. To avoid damage& protection of GT#2 66KV breaker &11KV breaker made open. GT#2 kept on FSNL.
		13.07.12	12.38	13.07.12	13.02	GT#2came on FSNL as the 66 KV bus became dead due tripping of 160 MVA ICT I & II due to Grid disturbance
		21.07.12	21.16	22.07.12	17.50	Stopped due to low demand and high frequency.
		28.07.12	00.32	28.07.12	17.52	
		30.07.12	02.35	30.07.12	04.30	Came on FSNL due to Grid disturbance as both 160 MVA ICT-I&II tripped on under frequency relay operated at 220 KV end.
		31.07.12	13.09	31.07.12	15.23	Tripped on negative phase sequence and back up timer operated .
		05.08.12	06.40	16.08.12	20.25	Machine stopped to attend CW line leakages.Machine is not available due to problem in Diesel engine since 06/08/2012.
		18.08.12	04.54	18.08.12	05.25	Machine tripped due to Grid disturbance
		18.08.12	06.15	18.08.12	07.05	
		23.08.12	03.02	23.08.12	12.54	Stopped due to low demand and high frequency
		24.08.12	02.03	24.08.12	09.43	
		30.08.12	08.03	30.08.12	08.28	Machine tripped on condensate level high trip alarm.
		02.09.12	03.20	09.09.12	12.20	Stopped due to low demand and high frequency
		09.09.12	15.50	10.09.12	09.30	
		28.09.12	20.10	03.10.12	18.15	
		22.10.12	19.00	25.10.12	12.45	
		25.10.12	12.45	25.10.12	22.00	Not available due to problem in AC AOP.
		25.10.12	22.00	26.10.12	11.00	Stopped due to low demand and high frequency
		26.10.12	11.15	29.10.12	02.30	
		06.11.12	17.45	07.11.12	09.30	
		11.11.12	11.30	11.11.12	16.00	
		14.11.12	14.26	16.11.12	20.55	
		16.11.12	23.10	19.11.12	12.43	
		29.11.12	23.01	30.11.12	06.45	
		30.11.12	06.45	30.11.12	09.55	Not available due to problem in diesel engine
		16.12.12	17.40	16.12.12	18.00	Tripped due to Grid disturbance.
		16.12.12	23.00	19.12.12	17.36	Stopped due to low demand and high frequency
		23.12.12	07.11	23.12.12	08.35	Tripped due to TAD very high.
		23.12.12	17.15	24.12.12	14.42	Stopped due to low demand and high frequency
		24.12.12	15.02	24.12.12	15.45	Tripped on high exhaust temp. spread.
		27.12.12	15.45	29.12.12	00.12	Stopped due to low demand and high frequency
		31.01.13	16.58	09.03.13	19.45	
		27.03.13	08.44	31.03.13	23.59	

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
3	30	01.04.12	00.00	04.02.12	13.50	Stopped due to low demand and high frequency.
		03.04.12	12.27	03.04.12	17.44	Machine tripped on loss of flame.
		04.04.12	09.28	04.04.12	12.15	Machine tripped due to jerk observed in C/R.Both 160MVA Trfs. Tripped on relay 86X.
		05.04.12	10.05	30.04.12	06.15	Machine stopped due to HGPI .
		30.04.12	22.15	02.05.12	15.25	Stopped due to low demand and high frequency.
		04.05.12	04.58	04.05.12	07.54	Machine tripped on loss of Excitation
		06.05.12	17.06	06.05.12	17.50	Machine stopped to attend the leakages.
		20.05.12	10.02	20.05.12	21.55	Stopped due to low demand and high frequency.
		29.05.12	22.05	29.05.12	23.32	Stopped to attend hot gas leakage from compressor.
		30.05.12	03.45	30.05.12	13.16	Stopped due to low demand and high frequency.
		03.06.12	18.15	04.06.12	16.15	
		07.06.12	06.04	07.06.12	13.15	
		18.06.12	20.32	19.06.12	10.53	
		20.06.12	14.58	20.06.12	16.02	Machine stopped due to diverter damper problem.
		25.06.12	11.50	25.06.12	12.05	Hunting observed in load & Machine came on FSNL on turbine under speed alarm appeared.
		28.06.12	02.42	28.06.12	05.35	Tripped due to combined cycle tripped alarm.
		06.07.12	19.02	13.07.12	14.55	Stopped due to low demand and high frequency.
		14.07.12	01.35	16.07.12	07.40	
		27.07.12	14.45	27.07.12	17.55	
		30.07.12	02.35	30.07.12	06.40	Tripped due to grid disturbance as both 160 MVA ICT tripped .
		31.07.12	13.02	31.07.12	14.17	came on FSNL due to Grid disturbance as both 160 MVA ICT-I&II tripped on under frequency relay operated at 220 KV end.
		05.08.12	06.10	05.08.12	23.04	Machine stopped to attend CW line leakages.
		09.08.12	20.02	09.08.12	21.16	Machine tripped on exhaust temp. high ,exhaust over temp. trip
		18.08.12	04.54	18.08.12	07.05	Machine tripped due to Grid disturbance
		23.08.12	05.16	27.08.12	10.20	Stopped due to low demand and high frequency
		13.09.12	00.30	25.09.12	11.30	
		25.09.12	14.40	28.09.12	20.00	
		30.09.12	10.40	30.09.12	11.30	Tripped
		08.10.12	13.55	15.10.12	18.18	Stopped due to low demand and high frequency
		27.10.12	10.19	27.10.12	12.45	Tripped due to Grid disturbance
		27.10.12	14.03	27.10.12	14.45	
		27.10.12	17.32	27.10.12	18.30	
		11.11.12	16.35	12.11.12	12.45	Stopped due to low demand and high frequency
		19.11.12	13.35	21.11.12	21.07	
		24.11.12	20.32	25.11.12	15.03	
		27.11.12	12.01	28.11.12	15.05	
		29.11.12	23.01	30.11.12	05.59	
		01.12.12	20.05	04.12.12	08.30	
		06.12.12	12.50	12.12.12	08.05	
		16.12.12	06.18	16.12.12	08.21	Tripped due to Grid disturbance.
		16.12.12	17.40	16.12.12	19.15	
		23.12.12	00.05	23.12.12	14.20	Stopped due to low demand and high frequency
		23.12.12	21.40	23.12.12	22.15	Tripped due to TAD very high.
		23.12.12	22.45	24.12.12	10.30	Stopped due to low demand and high frequency
		24.12.12	20.05	25.12.12	00.25	Came on FSNL but TK fan tripped suddenly.
		31.12.12	01.55	31.12.12	05.50	Stopped due to low demand and high frequency
		01.01.13	23.30	02.01.13	12.57	
		03.01.13	03.55	03.0.13	20.50	
		04.01.13	21.02	05.01.13	20.59	
		06.01.13	18.02	07.01.13	19.05	
		08.01.13	18.15	20.01.13	10.10	
		22.01.13	05.02	23.01.13	10.34	
		24.01.13	01.35	24.01.13	22.25	

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
3	30	02.02.13	13.40	06.02.13	12.05	Stopped due to low demand and high frequency
		11.02.13	13.40	16.02.13	16.20	
		18.02.13	12.13	19.02.13	09.56	
		20.02.13	14.05	26.02.13	03.05	
		28.02.13	22.32	06.03.13	10.36	
		17.03.13	21.40	17.03.13	22.35	Tripped due gas fuel pressure low alarm.
		20.03.13	14.35	31.03.13	23.59	Stopped due to low demand and high frequency

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
4	30	01.04.12	00.00	02.04.12	13.48	Stopped due to low demand and high frequency.
		04.04.12	09.28	04.04.12	11.40	Machine tripped due to jerk observed in C/R.Both 160MVA Trfs. Tripped on relay 86X.
		07.04.12	19.01	07.04.12	21.45	Stopped due to low demand and high frequency.
		12.04.12	17.05	12.04.12	17.45	Machine tripped due to jerk observed in C/R.Both 160MVA Trfs. tripped at both end. Over current & earth fault relay operated at GT end on 160MVA Tx-I. Buch-Holtz relay operated on 160MVA Tx-II at IP Ext.end.
		12.04.12	18.30	19.04.12	09.45	Stopped due to low demand and high frequency.
		25.04.12	21.35	26.04.12	08.40	
		28.04.12	10.02	30.04.12	14.45	
		20.05.12	10.02	20.05.12	20.12	
		02.06.12	21.03	04.06.12	16.15	Machine stopped as per SLDC message to maintain SG .
		04.06.12	16.15	05.06.12	05.45	Machine started but could not be taken on load due to problem in control ckt.
		05.06.12	05.45	06.06.12	11.40	Stopped due to low demand and high frequency.
		12.06.12	06.02	12.06.12	10.44	
		13.06.12	00.02	13.06.12	12.52	
		13.06.12	15.14	13.06.12	17.20	Tripped due to ignition problem.
		17.06.12	07.37	17.06.12	08.25	Tripped with following alarm appeared on CRT: IGV servo current -ve saturation alarm. Compressor bleed valve#1 open alarm. CPD measurement fault alarm.
		18.06.12	19.02	19.06.12	10.54	Stopped due to low demand and high frequency.
		06.07.12	18.28	06.07.12	19.00	Tripped on over temp. trip alarm.
		06.07.12	19.00	13.07.12	14.35	Stopped due to low demand and high frequency.
		14.07.12	01.35	16.07.12	08.09	
		16.07.12	10.25	16.07.12	15.30	
		17.07.12	03.32	17.07.12	07.50	
		18.07.12	02.30	18.07.12	11.50	
		23.07.12	23.01	24.07.12	09.50	
		26.07.12	00.47	26.07.12	11.05	
		27.07.12	18.16	30.07.12	08.30	
		31.07.12	04.02	01.08.12	19.25	
		02.08.12	00.02	04.08.12	12.20	
		04.08.12	17.16	05.08.12	06.00	
		05.08.12	06.00	06.08.12	02.07	Machine stopped to attend CW line leakages.
		12.08.12	09.17	12.08.12	23.59	Stopped due to low demand and high frequency.
		13.08.12	00.00	13.08.12	13.20	Machine not available.
		14.08.12	18.35	15.08.12	20.50	Stopped due to low demand and high frequency.
		16.08.12	07.43	16.08.12	10.56	Machine tripped on exhaust over temp.
		18.08.12	04.54	18.08.12	07.05	Machine tripped due to Grid disturbance
		21.08.12	15.58	21.08.12	16.47	Machine tripped on loss of excitation with HRSG#4.
		22.08.12	14.05	27.08.12	09.45	Stopped due to low demand and high frequency.
		29.08.12	00.07	29.08.12	20.35	
		31.08.12	02.32	31.08.12	10.35	
		01.09.12	03.02	01.09.12	10.05	
		03.09.12	02.00	03.09.12	06.50	
		05.09.12	03.50	07.09.12	13.01	
		12.09.12	23.32	28.09.12	15.52	
		04.10.12	01.32	04.10.12	08.45	
		07.10.12	01.30	15.10.12	18.15	
		27.10.12	10.19	27.10.12	11.42	Tripped due to Grid disturbance
		27.10.12	14.03	27.10.12	14.13	
		27.10.12	17.32	27.10.12	18.10	

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
4	30	05.11.12	20.05	06.11.12	17.23	Stopped due to low demand and high frequency.
		19.11.12	11.45	21.11.12	21.28	
		24.11.12	20.32	25.11.12	15.58	
		01.12.12	20.05	04.12.12	08.40	
		06.12.12	12.50	14.12.12	08.20	
		16.12.12	17.40	16.12.12	19.10	Tripped due to Grid disturbance.
		23.12.12	00.08	24.12.12	10.10	Stopped due to low demand and high frequency
		25.12.12	01.30	25.12.12	15.35	Stopped due to high TAD.
		01.02.13	13.06	01.02.13	13.50	Stopped due to low demand and high frequency
		06.02.13	13.05	09.02.13	11.42	
		09.02.13	17.47	16.02.13	16.26	
		18.02.13	12.17	19.02.13	10.03	
		20.02.13	14.05	26.02.13	04.20	
		09.03.13	20.45	11.03.13	20.00	
		11.03.13	20.00	12.03.13	00.50	GT#4 could not be synch.due to gas pressure low in 11KV Braker.
		14.03.13	11.46	15.03.13	14.55	Stopped due to low demand and high frequency
		17.03.13	00.05	20.03.13	19.00	
		20.03.13	19.00	25.03.13	21.00	Stopped for CI inspection
		25.03.13	21.00	31.03.13	23.59	Stopped due to low demand and high frequency

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
5	30	01.04.12	00.00	02.04.12	15.45	Stopped due to low demand and high frequency.
		04.04.12	09.28	04.04.12	11.58	Machine tripped due to jerk observed in C/R.Both 160MVA Trfs. Tripped on relay 86X.
		06.04.12	00.18	09.04.12	15.31	Machine stopped as generation available in open cycle mode
		12.04.12	17.05	12.04.12	18.20	Machine tripped due to jerk observed in C/R.Both 160MVA Trfs. tripped at both end. Over current & earth fault relay operated at GT end on 160MVA Tx-I. Buch-Holtz relay operated on 160MVA Tx-II at IP Ext.end.
		29.04.12	21.37	02.05.12	13.15	Stopped due to low demand and high frequency
		04.05.12	22.07	04.05.12	22.55	Machine tripped on Field fail alarm and Electrical trouable normal shut down
		04.05.12	23.24	09.05.12	17.10	Machine again tripped on Field fail alarm and Electrical trouble normal shut down. Machine inspected and Alternate DC supply provided but Diesel engine did not started-I decided to open the diesel Engine.
		09.05.12	22.10	10.05.12	02.20	Tripped on field fail alarm. Elect. Trouble normal shut down.
		06.06.12	13.30	06.06.12	14.00	Tripped on false LTTH high alarm. The Temperature switch is malfunctioning.
		07.06.12	13.36	09.06.12	06.15	Stopped due to low demand and high frequency
		13.07.12	12.38	13.07.12	12.50	GT#5 came on FSNL as the 66 KV bus became dead due tripping of 160 MVA ICT I & II due to Grid disturbance
		17.07.12	17.35	17.07.12	22.57	Tripped on gas fuel hydraulic pressure low alarm.
		30.07.12	02.35	30.07.12	02.40	GT#5 came on FSNL as the 66 KV bus became dead due tripping of 160 MVA ICT I & II due to Grid disturbance
		31.07.12	13.50	31.07.12	13.52	GT#5 came on FSNL due to under frequency
		05.08.12	06.16	06.08.12	03.15	Machine stopped to attend CW line leakages.
		15.08.12	09.16	15.08.12	21.25	Stopped due to low demand and high frequency
		16.08.12	02.15	16.08.12	10.50	
		16.08.12	14.46	22.08.12	23.59	
		25.08.12	14.32	02.09.12	10.40	
		07.09.12	13.05	12.09.12	18.25	
		13.09.12	09.45	13.09.12	10.12	Tripped due to 160MVA Txf.-2 manually tripped at I.P.Ext. without informing GTPS.
		15.09.12	04.55	01.10.12	02.50	Stopped due to low demand and high frequency
		03.10.12	22.50	31.12.12	23.59	
		21.02.13	04.01	21.02.13	07.41	Machine tripped in false alarm of generator differential relay
		09.03.13	16.05	15.03.13	08.20	Stopped due to low demand and high frequency

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
6	30	01.04.12	00.00	02.04.12	15.50	Stopped due to low demand and high frequency
		04.04.12	05.01	04.04.12	19.42	
		06.04.12	00.18	09.04.12	15.35	
		10.04.12	00.07	10.04.12	11.50	
		12.04.12	17.05	12.04.12	21.25	Machine tripped due to jerk observed in C/R.Both 160MVA Trs. tripped at both end. Over current & earth fault relay operated at GT end on 160MVA Tx-I. Buch-Holtz relay operated on 160MVA Tx-II at IP Ext.end.
		25.04.12	01.45	25.05.12	20.25	Stopped due to low demand and high frequency
		30.04.12	09.45	02.05.12	14.25	
		22.05.12	12.52	22.05.12	22.20	Tripped due to failure of MOV,due to which battery voltage fluctuated at computer screen from 103V to 118V.The following alarms appeared:- -ve phase sequence & Condensate level high temp.
		03.06.12	02.16	03.06.12	07.55	Tripped due to failure of controllers.
		19.06.12	21.02	20.06.12	10.32	Stopped due to low demand and high frequency.
		28.06.12	17.20	28.06.12	19.20	Tripped manually due to sudden fire in window A/C of GT#6 which was installed in GAC(module side)
		13.07.12	12.38	13.07.12	13.43	GT#6 tripped on reverse power as the 66 KV bus became dead due tripping of 160 MVA ICT I & II due to Grid disturbance
		26.07.12	22.03	27.07.12	11.00	Machine stopped due to leakage of lube oil observed in the TAC.
		26.07.12	22.03	27.07.12	10.55	Machine stopped due to oil leakages.
		30.07.12	00.15	30.07.12	05.40	Stopped due to low demand and high frequency.
		31.07.12	13.09	31.07.12	14.14	Tripped on under voltage
		05.08.12	06.14	05.08.12	21.15	Machine stopped to attend CW line leakages.
		15.08.12	09.18	15.08.12	21.28	Stopped due to low demand and high frequency.
		16.08.12	02.15	16.08.12	11.00	
		16.08.12	14.46	18.08.12	14.50	
		19.08.12	03.04	22.08.12	07.59	
		24.08.12	02.05	24.08.12	09.50	
		25.08.12	14.32	29.08.12	20.40	
		03.09.12	02.05	03.09.12	10.45	
		05.09.12	04.01	10.09.12	10.40	
		15.09.12	05.10	01.10.12	01.10	
		02.10.12	12.45	03.10.12	12.50	
		03.10.12	19.20	05.10.12	20.38	
		05.10.12	22.15	04.11.12	18.00	
		04.11.12	18.00	11.05.12	20.15	Not available due to problem in diesel engine.
		05.11.12	20.15	25.12.12	13.45	Stopped due to low demand and high frequency.
		26.12.12	00.15	08.01.13	15.40	
		09.01.13	03.05	09.01.13	15.30	
		17.01.13	21.30	01.02.13	12.25	
		01.02.13	13.25	02.02.13	12.44	
		02.02.13	14.50	02.02.13	16.45	Tripped on protection fuse failure 50 PR alarm appeared on panel.
		09.02.13	13.00	09.02.13	17.15	Stopped due to low demand and high frequency.
		06.03.13	11.55	20.03.13	12.32	Stopped for HGPI
		27.03.13	08.55	28.03.13	11.55	Stopped due to low demand and high frequency.

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG-1	**30**	04.04.12	09.28	04.04.12	15.20	Machine tripped due to jerk observed in C/R.Both 160MVA Trfs. Tripped on relay 86X.
		08.04.12	17.00	08.04.12	20.18	Machine tripped due to jerk observed in C/R.160MVA Trf. No.2 tripped.
		08.04.12	22.32	08.04.12	23.20	Machine tripped due to low vaccum.
		12.04.12	17.05	12.04.12	20.57	Machine tripped due to jerk observed in C/R.Both 160MVA Trs. tripped at both end. Over current & earth fault relay operated at GT end on 160MVA Tx-I. Buch-Holtz relay operated on 160MVA Tx-II at IP Ext.end.
		22.04.12	07.46	22.04.12	15.05	Machine tripped suddenly ,all parameters were normal. Following alarms appeared: control oil pressure very low,trip oil pressure very low & turbine shaft vibration very high 176.
		03.05.12	01.12	03.05.12	02.29	Tripped on hot well level very high.
		06.05.12	14.25	06.05.12	15.12	Stopped to attend lube oil leakages.
		08.05.12	22.12	08.05.12	22.55	parameters of STG#1 got freezed. As per AM (C&I) all BKs & FV01 should be in line B. while checking all BKs & FV01 from CRA 01 to CRc 04 pannel were found in line A.While changing from A to Line B, machine tripped on Hot well level very high. Machine also tripped on same fault on 03/05/2012
		12.05.12	17.28	12.05.12	19.28	160 MVA Tx-I tripped in jerk at GT end due to which GT#1 & 2 came on FSNL and STG#1 tripped.
		23.05.12	14.05	23.05.12	18.05	Tripped due to false alarm of cond .Hot well level very high.
		24.05.12	22.35	24.05.12	23.20	Tripped on class-A relay appeared on DDC room pannel.
		27.05.12	19.20	27.05.12	20.35	Tripped due to false alarm of cond.Hot well level very high.The following relays appeared in DDC room: Gen. class A-timer for 32G2A,Gen.class-B-tripp relay86GB.
		06.06.12	12.40	06.06.12	15.25	Tripped in emergency while developing the load 20 MW load became zero.
		06.06.12	16.15	06.06.12	17.40	Tripped without any alarm .Relay 86GB appeared in DDC room.
		13.07.12	12.38	13.07.12	14.20	Machine tripped as the 66 KV bus became dead due tripping of 160 MVA ICT I & II due to Grid disturbance
		30.07.12	02.35	30.07.12	08.15	Machine tripped as the 66 KV bus became dead due tripping of 160 MVA ICT I & II due to Grid disturbance
		31.07.12	13.02	31.07.12	16.15	Machine tripped on low vaccum the load on GTs reduced due to tripping of 160 MVA ICT I& II on under frequency relay operated.
		05.08.12	06.24	05.08.12	23.25	Machine stopped to attend CW line leakages.
		18.08.12	04.54	18.08.12	09.10	Machine tripped due to Grid disturbance
		30.08.12	06.28	30.08.12	07.15	Machine tripped on class-A relay is operated.
		30.08.12	08.10	30.08.12	08.50	.
		02.09.12	03.45	02.09.12	04.23	Tripped due to malfunctioning of MS-13 valve
		02.09.12	10.45	10.09.12	14.45	Stopped due to low demand and high frequency
		13.09.12	09.45	13.09.12	11.12	Tripped due to 160MVA Txf.-2 manually tripped at I.P.Ext. without informing GTPS.
		28.09.12	20.55	03.10.12	16.55	Stopped due to low demand and high frequency
		12.10.12	17.44	12.10.12	19.43	Tripped due to C & I Problem
		22.10.12	19.00	25.10.12	12.45	Stopped due to low demand and high frequency
		25.10.12	12.45	25.10.12	22.00	Boiler #2 not available due to problem in AC AOP of G.T. -2
		14.11.12	14.26	16.11.12	23.00	Stopped due to low demand and high frequency
		13.12.12	12.05	13.12.12	15.00	Tripped at high vibration
		16.12.12	05.22	16.12.12	09.15	Tripped due to Grid disturbance.
		16.12.12	13.08	16.12.12	14.32	Tripped on class- A trip.
		16.12.12	15.22	16.12.12	17.20	Tripped due to Grid disturbance.
		16.12.12	17.40	16.12.12	18.00	.
		17.12.12	00.00	17.12.12	18.00	Due to disturbance of grid connectivity,STG#1 has developed problem. It is out of service.
		17.12.12	18.00	19.12.12	19.35	Stopped due to low demand and high frequency
		31.01.13	17.05	08.03.13	10.31	
		08.03.13	10.31	09.03.13	15.55	Machine stopped for inspection by C&I and M-II division
		12.03.13	06.36	12.03.13	08.05	Tripped due to Trip oil pressure very low class-A relay operated.
		13.03.13	06.46	13.03.13	08.18	Tripped on ESV closed .Relays 86GA1&86GA2 appeared.
		28.03.13	12.55	31.03.13	23.59	Stopped due to low demand and high frequency

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG-2	30	01.04.12	00.00	02.04.12	16.25	Stopped due to low demand and high frequency
		04.04.12	09.28	04.04.12	12.50	Machine tripped due to jerk observed in C/R.Both 160MVA Trfs. Tripped on relay 86X.
		07.04.12	19.01	04.07.12	22.45	Stopped due to low demand and high frequency.
		08.04.12	17.00	08.04.12	18.51	Machine tripped due to jerk observed in C/R.160MVA Trf. No.2 tripped.
		12.04.12	17.05	12.04.12	23.15	Machine tripped due to jerk observed in C/R.Both 160MVA Trfs. tripped at both end. Over current & earth fault relay operated at GT end on 160MVA Tx-I. Buch-Holtz relay operated on 160MVA Tx-II at IP Ext.end.
		12.04.12	23.15	19.04.12	12.25	Stopped due to low demand and high frequency
		25.05.12	21.35	26.4.12	10.40	
		28.04.12	10.02	30.04.12	09.30	
		20.05.12	10.02	20.05.12	18.00	Machine stopped to attend the leakages.
		20.05.12	18.00	20.05.12	22.15	Stopped due to low demand and high frequency
		03.06.12	18.15	04.06.12	18.25	
		18.06.12	20.32	19.06.12	12.58	
		20.06.12	14.58	20.06.12	15.21	Tripped due to sudden fall of vaccum
		28.06.12	02.32	28.06.12	03.54	Tripped due to hot well level high
		06.07.12	18.35	06.07.12	19.00	Tripped due to operation of Generator transformer standby earth fault 64SGT relay. It is expected that this relay operated due to atmospheric lightening.
		06.07.12	19.00	13.07.12	18.02	Stopped due to low demand and high frequency.
		14.07.12	01.35	16.07.12	10.20	
		30.07.12	02.35	30.07.12	08.40	Machine tripped as the 66 KV bus became dead due tripping of 160 MVA ICT I & II due to Grid disturbance
		31.07.12	13.02	31.07.12	16.46	Machine tripped on low vaccum the load on GTs reduced due to tripping of 160 MVA ICT I& II on under frequency relay operated.
		05.08.12	06.05	06.08.12	00.58	Machine stopped to attend CW line leakages.
		18.08.12	04.54	18.08.12	09.10	Machine tripped due to Grid disturbance
		23.08.12	05.16	28.08.12	12.30	Stopped due to low demand and high frequency
		01.09.12	00.00	01.09.12	00.40	Machine stopped since turbine parameters were not available
		13.09.12	00.30	28.09.12	20.55	Stopped due to low demand and high frequency
		08.10.12	13.55	15.10.12	20.25	
		27.10.12	10.19	27.10.12	12.26	Tripped due to grid disturbance
		27.10.12	14.03	27.10.12	15.25	
		27.10.12	17.32	27.10.12	19.30	
		19.11.12	13.35	22.11.12	00.07	Stopped due to low demand and high frequency
		24.11.12	20.32	25.11.12	18.40	
		01.12.12	20.05	04.12.12	11.52	
		06.12.12	12.50	12.12.12	12.25	
		14.12.12	09.40	14.12.12	09.55	Tripped on exhaust pressure very high.
		16.12.12	05.22	16.12.12	09.20	Tripped due to Grid disturbance.
		16.12.12	15.22	16.12.12	16.50	
		16.12.12	17.40	16.12.12	21.15	
		23.12.12	00.10	23.12.12	17.10	Stopped due to low demand and high frequency
		23.12.12	21.40	24.12.12	12.27	Tripped due to tripping of GT#3
		09.01.13	05.25	20.01.13	13.15	Stopped due to low demand and high frequency
		11.02.13	13.40	16.02.13	19.45	
		18.02.13	12.17	19.02.13	11.32	
		20.02.13	14.05	26.02.13	06.05	
		07.03.13	11.10	07.03.13	11.58	Tripped,Relay 86GB appeared in DDC room.
		13.03.13	17.09	13.03.13	18.02	Tripped due to hot well level high,channel-I tripped ,Exhaust steam pressure high.
		17.03.13	21.40	17.03.13	23.05	Tripped due to tripping of GT# 3
		20.03.13	14.35	31.03.13	23.59	Stopped due to low demand and high frequency

STG-3	**30**	01.04.12	00.00	02.04.12	21.25	Stopped due to low demand and high frequency
		04.04.12	09.28	04.04.12	22.20	Machine tripped due to jerk observed in C/R.Both 160MVA Trfs. Tripped on relay 86X.
		06.04.12	00.18	09.04.12	18.15	Machine stopped due to non availability of DC EOP.
		12.04.12	17.05	12.04.12	19.48	Machine tripped due to jerk observed in C/R.Both 160MVA Trfs. tripped at both end. Over current & earth fault relay operated at GT end on 160MVA Tx-I. Buchholz relay operated on 160MVA Tx-II at IP Ext.end.
		20.04.12	14.00	20.04.12	15.50	Machine stopped to attend oil leakages in Governing system.
		30.04.12	09.45	02.05.12	18.35	Stopped due to low demand and high frequency
		26.05.12	14.05	26.05.12	17.35	Machine stopped to attend oil leakage from glass of bearing no.1 drain line(return line)
		07.06.12	12.40	09.06.12	08.15	Stopped due to low demand and high frequency
		06.07.12	18.35	06.07.12	19.50	Tripped due to operation of Generator transformer standby earth fault 64SGT relay. It is expected that this relay operated due to atmospheric lightening.
		13.07.12	12.38	13.07.12	15.58	Machine tripped as the 66 KV bus became dead due tripping of 160 MVA ICT I & II due to Grid disturbance
		30.07.12	02.35	30.07.12	08.35	Machine tripped as the 66 KV bus became dead due tripping of 160 MVA ICT I & II due to Grid disturbance
		31.07.12	13.02	31.07.12	16.22	Machine tripped on low vaccum the load on GTs reduced due to tripping of 160 MVA ICT I& II on under frequency relay operated.
		05.08.12	06.12	07.08.12	02.35	Machine stopped to attend CW line leakages.
		13.08.12	14.27	13.08.12	17.43	Machine tripped on high exhaust temperature. The vaccum reduced due to malfunctioning of MS-13. Other line was not available for operation.
		15.08.12	09.16	16.08.12	00.10	Machine stopped as per SLDC message to maintain SG .
		16.08.12	00.48	22.08.12	11.20	Machine tripped due to axial shift high alarm.
		25.08.12	14.32	30.08.12	00.10	Machine stopped as per SLDC message to maintain SG .
		30.08.12	14.05	30.08.12	16.25	Machine stopped to attend ejector leakages.
		07.09.12	13.05	10.09.12	12.40	Machine stopped as per SLDC message to maintain SG .
		15.09.12	05.10	01.10.12	03.35	Stopped as per SLDC message
		03.10.12	22.48	09.01.13	04.20	Shutdown for major overhauling
		17.01.13	21.30	31.01.13	16.25	Stopped due to low demand and high frequency
		04.02.13	12.28	04.02.13	13.40	Tripped due to Hot well level high/low vaccum .
		10.02.13	20.36	10.02.13	21.45	Tripped turbine trip CH-2 alarm.
		10.02.13	22.55	11.02.13	01.35	Tripped turbine trip CH-2 alarm.
		09.03.13	16.05	15.03.13	12.25	Stopped due to low demand and high frequency

(C) PRAGATI STATION

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	104	14.04.12	14:22	16.04.12	5.40	Stopped due to low demand and high frequency
		27.05.12	3:00	27.05.12	11.44	
		28.05.12	6:25	28.05.12	17.03	Tripped on internal fault
		07.06.12	23:18	08.06.12	0.26	
		08.06.12	1:41	08.06.12	5.10	
		16.06.12	9:17	16.06.12	13.29	
		23.06.12	10:17	23.06.12	12.12	
		23.06.12	17:38	23.06.12	18.32	
		26.06.12	18:00	26.06.12	19.31	
		27.06.12	9:31	27.06.12	12.19	
		20.07.12	21:24	20.07.12	23.16	
		30.07.12	2:35	30.07.12	8.49	Grid Black-out
		31.07.12	13:02	31.07.12	15.43	
		10.08.12	6:00	17.08.12	0.41	Stopped for CI
		31.10.12	12:57	31.10.12	17.55	
		24.11.12	16:17	24.11.12	17.12	GT#1 & STG tripped on grid disturbance on bus-I dead
		30.11.12	3:07	30.11.12	4.13	
		15.12.12	9:45	15.12.12	14.17	GT#1 stopped for Inlet Air Filters replacement.
		16.12.12	5:25	16.12.12	7.28	Tripped due to Grid disturbance
		16.12.12	15:26	16.12.12	16.41	
		16.12.12	17:45	16.12.12	20.53	
		04.02.13	11:15	04.02.13	13.12	Tripped on internal fault
		11.03.13	18:42	14.03.13	19.12	
2	104	03.04.12	19:07	03.04.12	19.47	Tripped on on grid disturbance
		10.04.12	17:00	10.04.12	17.51	
		12.05.12	17:28	12.05.12	17.57	
		16.05.12	11:28	16.05.12	12.19	
		03.06.12	3:00	03.06.12	9.00	Stopped due to low demand and high frequency
		27.06.12	9:31	27.06.12	10.35	Tripped on internal fault
		01.07.12	4:00	01.07.12	10.43	Stopped due to low demand and high frequency
		06.07.12	18:50	07.07.12	12.28	
		13.07.12	12:40	13.07.12	13.35	Tripped due to Grid disturbance
		30.07.12	2:38	30.07.12	8.42	
		31.07.12	13:02	31.07.12	15.40	
		18.08.12	0:00	29.08.12	1.44	Stopped for HGPI
		31.08.12	22:38	31.08.12	23.00	Tripped on internal fault
		27.10.12	10:19	27.10.12	10.34	GT#2 & STG tripped on grid disturbance on bus-II
		27.10.12	14:03	27.10.12	14.22	
		27.10.12	17:36	27.10.12	18.00	
		14.12.12	9:57	14.12.12	15.06	GT#2 stopped for Inlet Air Filters replacement.
		16.12.12	5:25	16.12.12	6.48	
		16.12.12	15:26	16.12.12	16.36	
		16.12.12	17:26	16.12.12	20.50	

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG	122	03.04.12	19:26	03.04.12	23.26	Tripped on on grid disturbance
		10.04.12	17:00	10.04.12	18.04.	
		12.05.12	17:28	12.05.12	18.48	
		16.05.12	11:28	16.05.12	12.25	
		10.06.12	3.05	10.06.12	9.46	Stopped due to low demand and high frequency
		10.06.12	12.30	10.06.12	15.12	Stopped due to internal fault
		27.06.12	9:31	27.06.12	11.15	Tripped on internal fault
		13.07.12	12:40	13.07.12	14.12	Tripped due to Grid disturbance
		30.07.12	2:35	30.07.12	13.41	
		31.07.12	13.02	31.07.12	20.58	
		09.08.12	9:43	09.08.12	16.40	Tripped on internal fault
		18.08.12	0:16	23.08.12	0.45	Stopped for PHE connection of Gt#1&GT#2
		31.08.12	22:38	31.08.12	24.00	Tripped on internal fault
		01.09.12	0:00	01.09.12	12.56	
		29.09.12	21:08	29.09.12	22.30	
		10.10.12	9:40	10.10.12	10.27	
		20.10.12	5:01	10.10.12	20.30	
		27.10.12	10:19	27.10.12	11.22	
		27.10.12	14:03	27.10.12	15.07	
		27.10.12	17:36	27.10.12	18.40	
		31.10.12	12:57	31.10.12	13.58	
		24.11.12	16:17	24.11.12	17.42	
		30.11.12	3.07	30.11.12	7.45	
		30.11.12	7.45	30.11.12	19.08	delayed due to leakage in generator cooler.
		05.12.12	4.55	05.12.12	13.24	Tripped on internal fault
		16.12.12	5.25	16.12.12	7.42	
		16.12.12	15.26	16.12.12	17.30	
		16.12.12	17.45	16.12.12	21.31	
		21.12.12	10.26	21.12.12	20.35	STG Stopped to attend High vibration of exciter.
		15.01.13	6.47	15.01.13	10.18	Tripped on internal fault
		16.01.13	2.38	16.01.13	5.28	
		17.01.13	8.27	17.01.13	13.05	
		23.01.13	14.45	24.01.13	01.24	To attend internal fault

(D) BADARPUR THERMAL POWER STATION

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	95	24-04-12	18:35	25-04-12	18:15	Reserve shutdown
		13-05-12	13:12	13-05-12	13:43	Furnace Disturbance
		26-05-12	8:32	26-05-12	11:10	Grid Disturbance
		26-05-12	12:37	29-05-12	1:25	Water wall Tube Leakage
		20-07-12	22:02	22-07-12	13:00	Water wall Tube Leakage
		22-07-12	13:00	23-07-12	3:07	CW Pump not available
		30-07-12	6:58	30-07-12	10:57	Grid Disturbance
		31-07-12	13:08	31-07-12	16:48	
		10-08-12	12:08	10-08-12	13:25	Control Supply Cable fault
		12-08-12	11:57	12-08-12	14:20	
		14-08-12	19:00	16-08-12	10:43	Reserve shutdown
		21-08-12	22:05	21-08-12	22:52	Furnace Disturbance
		06-09-12	16:10	07-09-12	10:53	Leakage in drum Manhole
		18-09-12	9:32	18-09-12	10:53	Furnace Disturbance
		28-09-12	23:43	01-10-12	12:25	Reserve shutdown
		05-10-12	5:45	05-10-12	6:22	Furnace Disturbance
		12-10-12	8:23	12-10-12	9:11	
		14-10-12	6:32	14-10-12	7:12	
		23-10-12	16:54	29-10-12	9:00	Reserve shutdown
		29-10-12	9:00	19-11-12	8:54	Planned shutdown
		19-11-12	10:21	19-11-12	10:47	Furnace Disturbance
		21-11-12	19:35	21-11-12	20:35	
		24-11-12	7:28	07-12-12	17:33	Reserve shutdown
		17.01.13	09.01	21.01.13	06.16	
		04.02.13	13.05	11.02.13	12.11	
		15.02.13	21.37	26.02.13	05.50	
		28.03.13	12.21	31.03.13	00.00	
2	95	05-04-12	3:30	05-04-12	12:27	Loss of excitation field
		15-05-12	12:05	19-05-12	18:30	CW Shortage
		26-05-12	8:32	26-05-12	11:43	Grid Disturbance
		06-06-12	19:08	06-06-12	19:55	PC feeder trip on Low LT Voltage caused by system jerk
		06-07-12	19:20	09-07-12	10:05	Reserve shutdown
		30-07-12	2:35	30-07-12	5:27	Grid Disturbance
		30-07-12	6:58	30-07-12	11:29	
		31-07-12	13:01	31-07-12	17:05	
		18-08-12	22:59	18-08-12	23:55	Furnace Disturbance
		29-08-12	9:30	01-09-12	10:00	Reserve shutdown
		01-09-12	10:00	17-09-12	0:17	Planed shutdown Boiler overhauling
		17-09-12	6:43	17-09-12	18:22	Unit stopped due to coal bunker chocking
		22-09-12	11:52	24-09-12	10:47	Reserve shutdown
		24-09-12	11:46	24-09-12	13:11	Low Condenser Vacuum
		29-09-12	13:40	01-10-12	10:24	Reserve shutdown
		13-10-12	0:00	13-10-12	19:24	
		16-10-12	23:05	16-10-12	23:54	Furnace Disturbance
		23-11-12	10:24	23-11-12	11:05	
		27-11-12	23:59	07-12-12	21:20	Reserve shutdown
		10-12-12	9:44	13-12-12	2:00	Platen SH Leakage
		11.02.13	06.31	19.02.13	00.00	LP Turbine Blade failure
		20.02.13	00.00	26.02.13	10.26	Reserve shutdown

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
3	95	01-04-12	23:45	22-04-12	17:12	Planned shutdown
		22-04-12	18:21	22-04-12	21:46	Generator Over Fluxing
		12-05-12	6:04	13-05-12	5:17	Economiser Tube leakage
		13-05-12	20:22	13-05-12	21:25	Furnace Disturbance
		26-05-12	8:32	26-05-12	15:20	Grid Disturbance
		27-05-12	7:20	27-05-12	8:05	Furnace Disturbance
		30-05-12	15:05	30-05-12	15:40	
		02-06-12	11:46	03-06-12	16:15	CW Shortage
		09-06-12	23:50	10-06-12	10:43	Fuurnace plate red hot near burner
		15-06-12	7:40	15-06-12	8:50	Furnace Disturbance
		28-06-12	6:15	28-06-12	12:55	Furnace Disturbance
		30-07-12	6:58	30-07-12	10:25	Grid Disturbance
		31-07-12	13:08	31-07-12	16:18	
		31-07-12	18:35	31-07-12	19:17	Low Condenser Vacuum
		31-07-12	20:05	01-08-12	0:40	Excitation System Problem
		04-08-12	1:32	04-08-12	5:40	Furnace Disturbance
		04-08-12	19:34	04-08-12	20:25	
		10-08-12	7:15	10-08-12	8:15	
		14-08-12	12:44	16-08-12	11:25	Reserve shutdown
		16-08-12	15:44	16-08-12	16:36	Furnace Disturbance
		18-08-12	6:15	19-08-12	1:05	Economiser Tube leakage
		21-08-12	22:28	21-08-12	23:18	Furnace Disturbance
		23-08-12	4:42	30-08-12	20:32	Reserve shutdown
		30-08-12	20:37	31-08-12	20:25	Generator Stator Earth Fault
		13-10-12	14:57	13-10-12	15:42	Furnace Disturbance
		14-10-12	6:52	14-10-12	7:50	
		20-10-12	9:36	20-10-12	10:15	
		21-10-12	8:27	29-10-12	6:43	Reserve shutdown
		14-11-12	8:56	24-11-12	5:08	
		29-11-12	5:05	29-11-12	6:06	Furnace Disturbance
		16-12-12	0:07	20-12-12	11:50	Reserve shutdown
		16.01.13	23.58	21.01.13	05.43	
		22.01.13	12.23	25.01.13	13.37	
		04.02.13	12.26	26.02.13	07.11	
4	210	21-05-12	7:12	23-05-12	15:35	CW Shortage
		26-05-12	8:32	26-05-12	11:28	Grid Disturbance
		06-07-12	7:35	06-07-12	9:33	Excitation System Problem
		30-07-12	2:35	30-07-12	18:00	Grid Disturbance
		31-07-12	13:01	31-07-12	17:25	
		09-08-12	22:57	12-08-12	7:52	Reheater Tube Leakage
		12-08-12	8:10	12-08-12	15:56	BFP 4C breaker bursting
		23-08-12	0:15	23-08-12	1:47	Furnace Disturbance
		23-08-12	2:55	23-08-12	4:05	
		23-08-12	9:37	23-08-12	13:45	
		25-08-12	23:18	26-08-12	0:48	
		18-09-12	2:05	18-09-12	4:05	
		18-09-12	4:05	18-09-12	14:35	Control Supply Cable fault
		26-11-12	9:22	26-11-12	21:18	Relay Malfunction
		07-12-12	21:47	10-12-12	16:30	Reserve shutdown
		10-12-12	16:30	10-12-12	17:00	Seal Oil system
		10-12-12	17:00	26-12-12	16:42	Planned shutdown
		31-12-12	13:32	02.01.13	17.50	Steam Cooled screen tube leakage
		24.02.13	09.10	24.02.13	11.14	Furnance disturbance
		05.03.13	16.25	05.03.13	18.52	Generator protection

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
5	210	28-04-12	12:40	30-04-12	6:25	Reserve shutdown
		19-05-12	14:48	21-05-12	5:45	CW Shortage
		26-05-12	8:32	26-05-12	11:35	Grid Disturbance
		03-06-12	11:46	27-06-12	20:37	Plan shutdown boiler overhauling
		25-07-12	20:34	26-07-12	21:57	Water wall Tube Leakage
		27-07-12	14:51	27-07-12	16:04	Both BFPs tripped
		30-07-12	6:58	30-07-12	15:10	Grid Disturbance
		31-07-12	13:12	31-07-12	18:01	
		01-08-12	19:30	01-08-12	22:15	Furnace Disturbance
		15-09-12	21:28	16-09-12	13:30	Water wall Tube Leakage
		16-09-12	13:30	17-09-12	9:08	Reserve shutdown
		03-10-12	11:33	04-10-12	16:00	Water wall Tube Leakage
		13-10-12	15:13	14-10-12	4:58	
		06-11-12	16:12	06-11-12	17:06	Furnace Disturbance
		14-12-12	9:27	15-12-12	19:46	Water wall Tube Leakage
		19-12-12	19:42	21-12-12	12:19	Generator Stator Earth Fault
		06.01.13	23.25	08.01.13	00.30	BTL – LTSH tube leakage
		24.02.13	14.53	24.02.13	21.53	Furnance disturbance
		26.03.13	21.57	28.03.13	09.13	Reserve shutdown

(E) BAWANA CCGT POWER STATION

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	216	20.04.12	15:41	20.04.12	19:25	Excessive Fuel Trip
		12.05.12	13:29	12.05.12	16:03	Auxiliary Failure due to bay 403 trip
		18.05.12	00:48	18.05.12	4:08	Lub Oil pressure low on GT#1 due to LT trippings
		27.05.12	18:13	27.05.12	20:18	High GT exhaust spread temperature
		31.05.12	19:00	01.06.12	0:26	GT#1 TRIP due to Combustion trouble and high exhaust temperature spread trip at frequency of 50.3Hz
		12.06.12	09:44	14.06.12	18:26	Rotor eath fault
		23.06.12	12:19	23.06.12	17:45	Fire protection trip
		25.06.12	06:01	26.06.12	8:29	High exhaust temperature trip
		18.07.12	2:23	18.07.12	4:20	High GT exhaust spread temperature
		31.07.12	13:00	31.07.12	16:05	Grid Failure
		03.08.12	14:56	03.08.12	16:20	Lub oil pressure low due to LT failure
		28.09.12	03:38	28.09.12	6:35	High GT exhaust temperature
		06.10.12	9:30	06.10.12	17:18	RST diagnostic alarm , 125V DC ground on GT,STG tripped on Customer Trip (GT trip)
		06.10.12	19:13	07.10.12	0:01	GT trip due to lub oil pr low
		15.10.12	14:49	15.10.12	18:08	Gas fuel inter valve press(P2) low
		15.10.12	19:24	15.10.12	21:35	Lub oil Pr low trip
		15.10.12	22:20	16.10.12	2:39	Rotor earth fault
		17.10.12	10:43	17.10.12	14:23	GT tripped on customer trip
		18.10.12	21:59	19.10.12	16:19	Generator Protection due to rotor earth fault
		8.11.12	13:16	08.11.12	18:06	Auxiliary Failure due to LT failure
		19.11.12	22:36	20.11.12	4:00	Loss of Flame
		30.11.12	18:50	30.11.12	20:24	Purge valve fault
		23.12.12	10:35	29.12.12	10:55	Tripped on high DP, After this GT#2 was taken into service,
		05.02.13	13.13	05.02.13	07.58	400 KV DTL lines tripped Generator frequency touched above 53Hz GT unloaded and tripped

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
2	216	19.07.12	11.34	19.07.12	15.45	Customer trip (IP Drum level low, D/D POSITION > 2%)
		27.02.13	14.28	Load on G.T.- 1		High fuel gas temperature

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG		20.04.12	15:41	20.04.12	19:25	HRSG #1 tripped due to GT#1 trip
		24.04.12	08:03	24.04.12	19:08	STG#1 tripped on very high transformer oil temperature
		12.05.12	13:29	13.05.12	3:27	HRSG tripped on GT#1 trip
		18.05.12	00:48	21.05.12	23:50	HRSG tripped on GT#1 trip
		27.05.12	18:13	27.05.12	23:21	ST trip due to GT Trip
		30.05.12	11:39	30.05.12	14:35	Generator cold gas temperature high due to PHE choking
		30.05.12	11:18	31.05.12	1:32	IP Drum level high
		31.05.12	19:00	31.05.12	1:32	ST trip due to GT trip
		12.06.12	9:44	14.06.12	18:26	GT Tripped
		23.06.12	12:19	23-01-00	17:45	ST trip due to GT trip
		02.07.12	19:45	03.07.12	1:39	Generator breaker tripped
		17.07.12	09:28	17.07.12	15:26	ST trip due to GT trip
		18.07.12	2:23	18.07.12	23:21	ST trip due to GT trip
		24.07.12	19:18	00-01-00	20:03	HMI emergency trip
		31.07.12	13:00	31.07.12	17:25	Grid Failure
		03.08.12	14:56	03.08.12	20:25	Lub oil pressure low
		28.09.12	03:38	29.09.12	14:18	ST trip due to GT trip
		06.10.12	09:30	07.10.12	1:46	RST diagnostic alarm , 125V DC ground on GT,STG tripped on Customer Trip (GT trip)
		15.10.12	14:49	16.10.12	4:10	ST trip due to GT trip
		17.10.12	10:43	17.10.12	16:19	GT tripped on customer trip
		18.10.12	21:59	29.10.12	11:44	STG trip on GT trip, under backing down also.
		08.11.12	13:16	08.11.12	20:13	LT breakers 1 DA, 2DA, 1KA tripped
		29.11.12	22:27	30.11.12	6:53	Rotor earth fault
		30.11.12	18:50	30.11.12	21:52	ST trip due to GT trip
		02.12.12	13:21	02.12.12	17:13	STG#1 tripped on low forward power relay(TMR became faulty & load jumped from 60MW to 90MW)
		08.12.12	17:08	08.12.12	19:28	STG#1 was running in stable condition It tripped due to HVCB opening
		18.12.12	03:25	18.12.12	10:43	Under Excitation fault
		23.12.12	10:31	24.12.12	0:44	STG #1 tripped on GT#1 trip
		26.12.12	21:35	27.12.12	6:40	Tripped due to speed pick up problem
		27.12.12	09:32	27.12.12	13:46	Tripped due to speed pick up problem
		29.12.12	18:02	29.12.12	18:58	24 Volt supply failure
		05.02.13	13:25	05.02.13	14:25	STG#1 was tripped through EPB when HRSG had tripped on high IP Drum level
		05.02.13	3:13	05.02.13	11:35	400 KV DTL lines tripped Generator frequency touched above 53HzGT unloaded and tripped
		09.02.13	16:33	09.02.13	18:04	STG#1 turbine tripped on tripping of HRSG#2 on high LP drum level protection, earlier HRSG#1 had tripped on high HP MS temperature
		11.02.13	17;49	11.02.13	20:29	STG#1 tripped on low vacuum.
		27.02.13	14:28	27.02.13	20:13	ST trip due to GT trip

(E) RITHALA POWER STATION

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	31.8	30.03.12	20:19	02.04.12	17:50	GT1 was started & synchronized with grid at 18:40hrs for STG start-up but it was stopped at 20:19 hrs as per management Decision(TPDDL)
		10.04.12	17:11	11.04.12	6:32	GT-01 circuit breaker got open on overvoltage due to fault at CENNET end
		28.04.12	23:15	01.05.12	15:09	Fuel Gas supplied by RIL was insufficient to run the plant.
		07.05.12	13:52	02.06.12	14:38	due to HRSG-1 GFD trouble. Diverter damper got stuck at 56% open duing triping of STG.
		02.06.12	17:00	04.06.12	13:26	shutdown taken due to high vibration
		04.06.12	17:31	11.06.12	17:39	
		18.06.12	15:20	18.06.12	15:26	GCB opened manually for re-synchronizing as m/c was in islanding mode due to fault at CENNET end.
		22.06.12	19:26	23.06.12	2:53	GT-1 shut down was taken for GT-2 stat up
		23.06.12	23:43	25.06.12	10:56	Lower gas supplied from KG Basin
		25.06.12	15:23	01.07.12	19:22	
		04.07.12	0:03	04.07.12	2:57	GT-1 tripped on "SRV NOT TACKING" alarm.
		04.07.12	11:58	07.07.12	3:19	
		12.07.12	10:42	12.07.12	22:44	Exhaust spread high
		12.07.12	23:07	13.07.12	0:06	Tripping reason not found
		14.07.12	5:42	14.07.12	6:55	At 05:40 hrs RG-5 line tripped and WHRB-1 GFD not closed.
		14.07.12	9:13	14.07.12	11:45	turbine bearing-2 drain oil temperature high(False value)
		17.07.12	2:48	20.07.12	21:40	Lower gas supplied from KG Basin
		22.07.12	3:41	23.07.12	11:15	
		24.07.12	2:35	30.07.12	9:02	
		30.07.12	14:50	30.07.12	15:23	Exhaust thermocouple
		31.07.12	1:39	31.07.12	17:24	Lower gas supplied by KG Basin
		31.07.12	17:29	31.07.12	18:46	'Exhaust thermocouple lock-out'
		31.07.12	18:59	31.07.12	20:18	
		02.08.12	2:35	09.08.12	10:55	Lower gas supplied from KG Basin
		10.08.12	00:46	14.08.12	8:58	
		15.08.12	0:48	21.08.12	10:27	No power Demand as cennet
		25.08.12	2:04	27.08.12	9:03	Lower gas supplied from KG Basin
		01.09.12	5:55	03.09.12	9:01	
		08.09.12	2:01	11.09.12	0:28	
		15.09.12	2:15	21.09.12	8:54	
		22.09.12	00:12	24.09.12	8:57	
		25.09.12	18:35	26.09.12	8:57	Heavy water leakage was observed from ACW pump-2 NRV body (crack formation)
		02.10.12	0:05	15.10.12	9:57	Lower gas supplied from KG Basin
		16.10.12	3:50	16.10.12	6:45	'SRV not tracking trip'
		18.10.12	7:50	22.10.12	9:52	
		24.10.12	5:09	29.10.12	4:07	No schedule have been given by SLDC on Spot gas
		02.11.12	00:08	05.11.12	8:35	
		08.11.12	22:00	10.11.12	5:57	
		10.11.12	02:01	18.11.12	0:27	
		18.11.12	16:09	29.11.12	14:17	
		30.11.12	20:04	10.12.12	9:53	
		10.12.12	16:21	10.12.12	18:14	load gear bearing -1 temp high shut down
		12.12.12	18:04	31.12.12	8:04	No schedule have been given by SLDC on Spot gas
		01.01.13	17.04	19.03.13	17.20	lube oil temperature high shutdown/No schedule have been given by SLDC on Spot gas after rectification of problem
		19.03.13	17.32	Contd.		No schedule have been given by SLDC on Spot gas

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
2	31.8	03.04.12	1:23	04.04.12	22:18	Lower gas supplied from KG Basin
		05.04.12	14:12	06.04.12	22:00	
		07.04.12	12:56	10.04.12	3:28	
		10.04.12	11:15	11.04.12	0:05	
		11.04.12	00:13	11.04.12	0:35	
		11.04.12	13:03	16.04.12	15:54	
		16.04.12	19:46	16.04.12	20:55	
		17.04.12	15:51	28.04.12	19:27	
		01.05.12	15:22	07.05.12	19:46	
		13.05.12	5:52	13.05.12	6:28	
		29.05.12	21:00	29.05.12	21:08	
		01.06.12	17:15	01.06.12	17:17	
		04.06.12	18:59	04.06.12	20:05	
		08.06.12	5:20	08.06.12	6:15	
		11.06.12	11:36	12.06.12	11:09	
		12.06.12	16:15	14.06.12	12:17	
		14.06.12	17:10	23.06.12	19:00	
		27.06.12	12:02	27.06.12	13:04	
		29.06.12	6:36	29.06.12	7:52	
		01.07.12	22:41	04.07.12	16:53	
		06.07.12	17:48	15.07.12	11:03	
		15.07.12	13:02	18.07.12	10:05	
		20.07.12	6:06	20.07.12	18:30	
		21.07.12	16:04	23.07.12	9:02	
		25.07.12	19:06	26.07.12	10:17	
		27.07.12	10:17	27.07.12	11:29	
		28.07.12	3:07	30.07.12	9:31	
		31.07.12	13:23	31.07.12	15:53	
		31.07.12	21:23	01.08.12	11:20	
		02.08.12	2:39	03.08.12	8:55	
		06.08.12	15:18	07.08.12	9:10	
		07.08.12	20:39	08.08.12	8:59	
		08.08.12	17:57	09.08.12	7:39	
		11.08.12	6:09	13.08.12	9:35	
		15.08.12	0:34	15.08.12	21:21	
		18.08.12	8:46	18.08.12	11:30	
		19.08.12	0:11	20.08.12	9:04	
		21.08.12	8:04	10.09.12	9:08	
		10.09.12	14:32	10.09.12	17:17	
		10.09.12	23:13	17.09.12	9:08	
		19.09.12	7:38	19.09.12	10:25	
		20.09.12	13:52	20.09.12	15:40	
		20.09.12	22:04	03.10.12	18:21	
		07.10.12	0:32	09.10.12	9:00	
		13.10.12	0:35	18.10.12	10:15	
		20.10.12	0:10	26.10.12	8:42	
		26.10.12	23:20	29.10.12	1:43	No schedule have been given by SLDC on Spot gas
		30.10.12	17:01	13.11.12	13:51	
		14.11.12	01:21	22.11.12	8:54	
		24.11.12	21:01	26.11.12	13:14	
		28.11.12	00:05	04.12.12	9:58	
		06.12.12	20:59	17.12.12	10:09	
		19.12.12	20:04	24.12.12	9:30	
		26.12.12	19:03	03.01.13	06.44	

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
2	31.8	04.01.13	15:12	07.01.13	6:01	No schedule have been given by SLDC on Spot gas
		07.01.13	17:07	08.01.13	8:58	
		08.01.13	17:08	09.01.13	8:00	
		09.01.13	17:06	10.01.13	6:16	
		10.01.13	17:04	11.01.13	5:54	
		11.01.13	20:02	16.01.13	9:12	
		17.01.13	08:18	21.01.13	2:46	
		22-01-13	00:12	24.01.13	6:53	
		25-01-13	00:09	29.01.13	5:54	
		30-01-13	15:03	31.01.13	7:58	
		01.02.13	12.06	07.02.13	07.56	
		08.02.13	08.11	20.02.13	10.02	
		20.02.13	10.09	25.02.13	10.37	Gas turbine started for checking of GCV and shut down taken in seven minute due to no despatch schedule given by SLDC
		27.02.13	00.08	05.03.13	11.31	Stopped on less demand, available on spot
		05.03.13	15.38	Contd.		No schedule have been given by SLDC on Spot gas

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG	31.8	03.04.12	1:23	04.04.12	22:18	Lower gas supplied from KG Basin
		05.04.12	14:12	06.04.12	22:00	
		07.04.12	12:56	10.04.12	3:28	
		10.04.12	11:15	11.04.12	0:05	
		11.04.12	00:13	11.04.12	0:35	
		11.04.12	13:03	16.04.12	15:54	
		16.04.12	19:46	16.04.12	20:55	
		17.04.12	15:51	28.04.12	19:27	
		01.05.12	15:22	07.05.12	19:46	
		13.05.12	5:52	13.05.12	6:28	
		29.05.12	21:00	29.05.12	21:08	
		01.06.12	17:15	01.06.12	17:17	
		04.06.12	18:59	04.06.12	20:05	
		08.06.12	5:20	08.06.12	6:15	
		11.06.12	11:36	12.06.12	11:09	
		12.06.12	16:15	14.06.12	12:17	
		14.06.12	17:10	23.06.12	19:00	
		27.06.12	12:02	27.06.12	13:04	
		29.06.12	6:36	29.06.12	7:52	
		01.07.12	22:41	04.07.12	16:53	
		06.07.12	17:48	15.07.12	11:03	
		15.07.12	13:02	18.07.12	10:05	
		20.07.12	6:06	20.07.12	18:30	
		21.07.12	16:04	23.07.12	9:02	
		25.07.12	19:06	26.07.12	10:17	
		27.07.12	10:17	27.07.12	11:29	
		28.07.12	3:07	30.07.12	9:31	
		31.07.12	13:23	31.07.12	15:53	
		31.07.12	21:23	01.08.12	11:20	
		02.08.12	2:39	03.08.12	8:55	
		06.08.12	15:18	07.08.12	9:10	
		07.08.12	20:39	08.08.12	8:59	
		08.08.12	17:57	09.08.12	7:39	
		11.08.12	6:09	13.08.12	9:35	
		15.08.12	0:34	15.08.12	21:21	
		18.08.12	8:46	18.08.12	11:30	
		19.08.12	0:11	20.08.12	9:04	
		21.08.12	8:04	10.09.12	9:08	
		10.09.12	14:32	10.09.12	17:17	
		10.09.12	23:13	17.09.12	9:08	
		19.09.12	7:38	19.09.12	10:25	
		20.09.12	13:52	20.09.12	15:40	
		20.09.12	22:04	03.10.12	18:21	
		07.10.12	0:32	09.10.12	9:00	
		13.10.12	0:35	18.10.12	10:15	
		20.10.12	0:10	26.10.12	8:42	

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG	31.8	26.10.12	23:20	29.10.12	1:43	No schedule have been given by SLDC on Spot gas
		30.10.12	17:01	29.10.12	5:42	
		02.11.12	00:01	05.11.12	12:38	
		08.11.12	21:56	10.11.12	9:45	
		10.11.12	01:55	13.11.12	17:50	
		14.11.12	01:15	18.11.12	6:25	
		18.11.12	16:06	22.11.12	13:59	
		24.11.12	21:01	26.11.12	16:57	
		28.11.12	00:01	29.11.12	17:44	
		30.11.12	04:31	30.11.12	6:35	STG electronic governor failure trip
		30.11.12	19:58	04.12.12	14:04	No schedule have been given by SLDC on Spot gas
		06.12.12	20:59	10.12.12	13:55	
		10.12.12	16:21	10.12.12	19:29	load gear bearing -1 temp high shut down(GT-1)
		12.12.12	17:59	17.12.12	14:05	No schedule have been given by SLDC on Spot gas
		19.12.12	20:00	24.12.12	13:26	
		26-12-12	19:00	31.12.12	11:54	
		01.01.13	17:04	03.01.13	10:05	lube oil temperature high shutdown
		04-01-13	15:08	07.01.13	9:28	No schedule have been given by SLDC on Spot gas
		07-01-13	17:04	08.01.13	11:45	
		08.01.13	17:05	09.01.13	10:45	
		09.01.13	17:03	10.01.13	8:53	
		10.01.13	17:01	11.01.13	8:51	
		11.01.13	19:58	16.01.13	13:35	
		17.01.13	08:15	21.01.13	6:49	
		22.01.13	00:08	24.01.13	10:23	
		25.01.13	00:07	29.01.13	10:00	
		30.01.13	15:01	31.01.13	10:41	
		01.02.13	12.04	07.02.13	11.32	
		08.02.13	08.08	25.02.13	15.09	
		27.02.13	00.01	Contd.		

4 ALLOCATION OF POWER TO DELHI

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

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

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

B) Allocation of power to Delhi from Unallocated quota of Central Sector Generating Stations to Delhi w.e.f. 19.11.2011

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

Name of the Stn	Installed capacity	Total Un-allocated	Basic Allocation	Basic Allocation at periphery	Allocation out of Unallocated Quota	Allocation out of Un-allocation Quota at Delhi periphery	Total allocation at Delhi periphery
1	2	3	4	5	6	7	(8)=(5)+(7)
NTPC STATIONS							
Singrauli STPS	2000	300	150	130	0	0	130
Rihand-I	1000	150	100	87	0	0	87
Rihand Stage -II	1000	150	126	109	0	0	109
Rihand Stage -III	500	75	66	57	0	0	57
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	**9282**	**1227**	**2240**	**1959**	**0**	**0**	**1959**
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
Chamera-III HEP	231	35	29	28	0	0	28
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	**3305**	**206**	**380**	**361**	**0**	**0**	**361**
NPC							
Narora APS	440	64	47	41	0	0	41
RAPP(B)	440	66	0	0	0	0	0
RAPP (C)	440	64	56	49	0	0	49
TOTAL	**1320**	**194**	**103**	**89**	**0**	**0**	**89**
SVJNL							
Nathpa Jhakri HEP	1500	149	142	123	0	0	123
THDC							
Tehri Hydro	1000	99	103	89	0	0	89
Koteshwar HEP	400	40	39	37	0	0	37
TOTAL	**1400**	**139**	**142**	**127**	**0**	**0**	**127**
Total	**16807**	**1915**	**3007**	**2660**	**0**	**0**	**2660**
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	1000	76	231	201	0	0	201
Grand Total	**24017**	**2144**	**3528**	**3102**	**0**	**0**	**3102**

C) Allocation of power to Delhi from Unallocated quota of Central Sector Generating Stations to Delhi w.e.f. 19.01.2011

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

Name of the Stn	Installed capacity	Total Un-allocated	Basic Allocation	Basic Allocation at periphery	Allocation out of Unallocated Quota	Allocation out of Un-allocation Quota at Delhi periphery	Total allocation at Delhi periphery
1	2	3	4	5	6	7	(8)=(5)+(7)
NTPC STATIONS							
Singrauli STPS	2000	300	150	130	0	0	130
Rihand-I	1000	150	100	87	0	0	87
Rihand Stage -II	1000	150	126	109	0	0	109
Rihand Stage -III	500	75	66	57	0	0	57
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	**9282**	**1227**	**2240**	**1959**	**0**	**0**	**1959**
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
Chamera-III HEP	231	35	29	28	0	0	28
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	**3305**	**206**	**380**	**361**	**0**	**0**	**361**
NPC							
Narora APS	440	64	47	41	0	0	41
RAPP(B)	440	66	0	0	0	0	0
RAPP (C)	440	64	56	49	0	0	49
TOTAL	**1320**	**194**	**103**	**89**	**0**	**0**	**89**
SVJNL							
Nathpa Jhakri HEP	1500	149	142	123	0	0	123
THDC							
Tehri Hydro	1000	99	103	89	0	0	89
Koteshwar HEP	400	40	39	37	0	0	37
TOTAL	**1400**	**139**	**142**	**127**	**0**	**0**	**127**
Total	**16807**	**1915**	**3007**	**2660**	**0**	**0**	**2660**
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	1000	76	231	201	0	0	201
Grand Total	**24017**	**2144**	**3528**	**3102**	**0**	**0**	**3102**

5 ALLOCATION OF POWER TO DISCOMS

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

(Allocation In %)

(A) 10.00hrs. to 17.00hrs.

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

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

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

6 POWER AVAILABILITY-DEMAND POSITION AT THE TIME OF PEAK DEMAND MET DURING MARCH 2013

All figures in MW

Date	Time of peak demand	Generation within Delhi							Import from the Grid	Schedule from the Grid	OD(-) / UD(+)	Demand met	Shedding	Un-Restricted Demand
		RPH	GT	PPCL	BTPS	Rithala	Bawana	Total						
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)= (3) to (8)	(10)	(11)	(12)= (11) - (10)	(13)= (11)+ (12)	(14)	(15)= (13)+ (14)
1	9:43:39	49	125	313	567	0	289	1343	1883	1886	-3	3226	0	3226
2	9:46:50	44	124	308	576	0	274	1326	1766	1768	-2	3092	0	3092
3	10:03:27	43	124	263	507	0	236	1173	1865	1801	64	3038	0	3038
4	10:16:50	53	124	302	576	0	285	1340	1863	1922	-59	3203	0	3203
5	18:48:40	55	122	267	482	0	275	1201	1863	1836	27	3064	0	3064
6	10:02:13	53	125	300	602	0	310	1390	1657	1719	-62	3047	0	3047
7	10:10:58	55	123	299	578	0	310	1365	1720	1821	-101	3085	0	3085
8	10:38:52	55	124	264	517	0	239	1199	1903	1835	68	3102	0	3102
9	19:15:18	54	112	264	517	0	303	1250	1724	1718	6	2974	0	2974
10	19:29:35	53	107	266	508	0	0	934	1832	1876	-44	2766	0	2766
11	19:45:54	56	118	138	618	0	0	930	2112	1963	149	3042	0	3042
12	19:53:09	55	150	142	607	0	0	954	2208	1982	226	3162	58	3220
13	19.39.00	57	147	141	610	0	0	955	2200	2123	77	3155	0	3155
14	19.30.27	55	114	263	569	0	0	1001	2130	2177	-47	3131	0	3131
15	19.06.00	57	190	304	595	0	0	1146	1997	2184	-187	3143	0	3143
16	18.58.59	0	197	304	599	0	0	1100	1857	2048	-191	2957	0	2957
17	19.17.59	0	157	312	561	0	0	1030	1772	2074	-302	2802	0	2802
18	19.20.16	54	154	301	503	0	0	1012	2049	2304	-255	3061	0	3061
19	19.11.23	55	151	293	513	0	0	1012	2150	2108	42	3162	0	3162
20	19.21.33	57	160	299	527	0	0	1043	2162	2175	-13	3205	0	3205
21	19.22.00	58	159	299	520	0	0	1036	2153	2226	-73	3189	0	3189
22	19.14.10	58	159	299	520	0	0	1036	2157	2192	-35	3193	0	3193
23	19.05.44	56	156	295	569	0	0	1076	2040	2008	32	3116	0	3116
24	19.22.04	104	153	294	504	0	0	1055	1883	1976	-93	2938	0	2938
25	19.23.13	106	173	303	552	0	0	1134	2077	2071	6	3211	2	3213
26	10.18.06	57	155	304	520	0	0	1036	1927	2000	-73	2963	0	2963
27	19.42.41	96	82	278	341	0	0	797	1632	1827	-195	2429	0	2429
28	10.41.41	105	78	302	529	0	0	1014	1745	1758	-13	2759	0	2759
29	19.18.55	106	86	306	553	0	0	1051	1893	1884	9	2944	0	2944
30	19.17.13	106	87	308	493	0	0	994	1927	1933	-6	2921	0	2921
31	19.40.45	106	87	269	459	0	0	921	1940	1919	21	2861	0	2861

7 POWER AVAILABILITY- DEMAND POSITION AT THE TIME OF MAXIMUM UNRESTRICTED DEMAND DURING MARCH 2013

Date	Time of peak demand	Generation within Delhi							Import from the Grid	Schedule from the Grid	OD(-) / UD(+)	Demand met	Shedding	Un-Restricted Demand
		RPH	GT	PPCL	BTPS	Rithala	Bawana	Total						
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)= (3) to (8)	(10)	(11)	(12)= (11) - (10)	(13)= (11)+ (12)	(14)	(15)= (13)+ (14)
1	9:43:39	49	125	313	567	0	289	1343	1883	1886	-3	3226	0	3226
2	9:46:50	44	124	308	576	0	274	1326	1766	1768	-2	3092	0	3092
3	10:03:27	43	124	263	507	0	236	1173	1865	1801	64	3038	0	3038
4	10:16:50	53	124	302	576	0	285	1340	1863	1922	-59	3203	0	3203
5	18:48:40	55	122	267	482	0	275	1201	1863	1836	27	3064	0	3064
6	10:02:13	53	125	300	602	0	310	1390	1657	1719	-62	3047	0	3047
7	10:10:58	55	123	299	578	0	310	1365	1720	1821	-101	3085	0	3085
8	10:38:52	55	124	264	517	0	239	1199	1903	1835	68	3102	0	3102
9	19:15:18	54	112	264	517	0	303	1250	1724	1718	6	2974	0	2974
10	19:29:35	53	107	266	508	0	0	934	1832	1876	-44	2766	0	2766
11	19:45:54	56	118	138	618	0	0	930	2112	1963	149	3042	0	3042
12	19:00.00	55	150	141	622	0	0	968	2032	1871	162	3001	235	3236
13	19.39.00	57	147	141	610	0	0	955	2200	2123	77	3155	0	3155
14	19.30.27	55	114	263	569	0	0	1001	2130	2177	-47	3131	0	3131
15	19.06.00	57	190	304	595	0	0	1146	1997	2184	-187	3143	0	3143
16	18.58.59	0	197	304	599	0	0	1100	1857	2048	-191	2957	0	2957
17	19.17.59	0	157	312	561	0	0	1030	1772	2074	-302	2802	0	2802
18	19.20.16	54	154	301	503	0	0	1012	2049	2304	-255	3061	0	3061
19	19.11.23	55	151	293	513	0	0	1012	2150	2108	42	3162	0	3162
20	19.21.33	57	160	299	527	0	0	1043	2162	2175	-13	3205	0	3205
21	19.22.00	58	159	299	520	0	0	1036	2153	2226	-73	3189	0	3189
22	19.14.10	58	159	299	520	0	0	1036	2157	2192	-35	3193	0	3193
23	19.05.44	56	156	295	569	0	0	1076	2040	2008	32	3116	0	3116
24	19.22.04	104	153	294	504	0	0	1055	1883	1976	-93	2938	0	2938
25	19.23.13	106	173	303	552	0	0	1134	2077	2071	6	3211	2	3213
26	10.18.06	57	155	304	520	0	0	1036	1927	2000	-73	2963	0	2963
27	19.42.41	96	82	278	341	0	0	797	1632	1827	-195	2429	0	2429
28	10.41.41	105	78	302	529	0	0	1014	1745	1758	-13	2759	0	2759
29	19.18.55	106	86	306	553	0	0	1051	1893	1884	9	2944	0	2944
30	19.17.13	106	87	308	493	0	0	994	1927	1933	-6	2921	0	2921
31	19.40.45	106	87	269	459	0	0	921	1940	1919	21	2861	0	2861

8 SOURCEWISE SCHEDULED DRAWL FROM NORTHERN GRID AS WELL AS AVAILABILITY WITHIN DELHI FOR MARCH 2013

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

A (i) RPH	48.679
(ii) GT+STG	102.024
(iii) PRAGATI	204.573
(iv) RITHALA	0.114
(v) BAWANA CCGT	53.562
TOTAL	408.952
B) AVAILABILITY FROM BTPS	405.776
C) AUXILIARY CONSUMPTION OF GENERATING STNs. EXCLUDING BTPS	17.833
D) NET GENERATION AVAILABLE WITHIN DELHI(A+B-C)	**796.895**

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	6.457	6.282	3.644	3.545
SALAL	23.543	22.900	13.283	12.920
TANKAPUR	1.529	1.488	0.862	0.839
CHAMERA	9.699	9.435	2.831	2.754
CHAMERA -II	9.460	9.206	2.760	2.686
CHAMERA -III	5.409	5.265	5.409	5.265
DHAULIGANGA	4.704	4.577	2.655	2.583
SEWA -2	11.560	11.245	6.522	6.344
URI	38.593	37.547	21.774	21.183
KOTESHWAR	10.252	9.975	10.252	9.975
MUNDRA_UMPP	0.000	0.000	0.000	0.000
ANTA (GAS)	26.560	25.836	14.499	14.116
ANTA (RLNG)	5.109	4.971	0.000	0.000
ANTA (LIQUID)	0.000	0.000	0.000	0.000
DADRI (GAS)	33.818	32.902	24.874	24.188
DADRI (RLNG)	31.463	30.603	0.001	0.001
DADRI (LIQUID)	0.047	0.046	0.000	0.000
AURAIYA (GAS)	11.276	10.968	8.439	8.205
AURAIYA (RLNG)	40.221	39.126	0.000	0.000
AURAIYA (LIQUID)	0.489	0.476	0.000	0.000
SINGRAULI	108.759	105.804	31.334	30.482
RIHAND -I	59.228	57.599	17.667	17.181
RIHAND -II	90.896	88.424	26.136	25.424
RIHAND -III	40.816	39.706	40.048	38.957
UNCHAHAR-I	16.637	16.189	15.192	14.783
UNCHAHAR-II	34.188	33.259	32.010	31.138
UNCHAHAR-III	17.821	17.330	17.125	16.652
DADRI (TH)	524.829	510.533	487.485	474.216
DADRI (TH) STAGE-II	498.352	484.742	274.727	267.222
NAPP	23.864	23.214	23.864	23.214
RAPP 'B'	0.000	0.000	0.000	0.000
RAPP 'C'	40.600	39.496	40.600	39.496
NATHPA JHAKRI	22.797	22.184	22.797	22.184
DULASTI	11.515	11.206	6.497	6.322
TEHRI	26.686	25.964	26.686	25.964
JHAJJAR	123.847	120.583	39.474	38.470
KHELGAON	34.089	33.161	32.380	31.498
KHELGAON-II	97.960	95.284	95.800	93.183
FARAKA	11.818	11.496	11.626	11.310
TALA	1.153	1.122	1.153	1.122
TALCHER	0.000	0.000	0.000	0.000
DVC	234.421	230.835	230.835	224.545
CHATTISHGARH	0.000	0.000	0.000	0.000
GUJRAT	0.000	0.000	0.000	0.000
DVC TATA STEEL	0.000	0.000	0.000	0.000
DVC CTPS (BRPL)	4.702	4.633	4.633	4.516
DVC CTPS (BYPL)	6.832	6.726	6.726	6.537
DVC CTPS (NDPL)	0.000	0.000	0.000	0.000

NAME OF THE STATION	AVAILABILITY AT POWER PLANT	AVAILABILITY AT DELHI PERIPHERY	ALLOCATION MADE BY NRLDC AT POWER PLANT	ALLOCATION MADE BY NRLDC AT DELHI PERIPHERY
METHON POWER(NDPL)LT-06	189.684	186.781	186.781	181.696
DVC MEJIA (LT-08)(BYPL)	86.013	84.697	84.697	82.391
ORISSA	0.000	0.000	0.000	0.000
SIKKIM	0.000	0.000	0.000	0.000
HIMACHAL PRADESH	0.411	0.406	0.406	0.394
WEST BENGAL	0.000	0.000	0.000	0.000
MADHYA PRADESH(WR)	1.440	1.417	1.417	1.381
JAMMU & KASHMIR	0.358	0.354	0.354	0.345
DVC (FOR NDPL) LT-09	11.903	11.720	11.720	11.400
HARYANA (LT-05)	33.112	32.728	32.728	31.836
UTTRANCHAL	0.171	0.169	0.169	0.164
PUNJAB	0.000	0.000	0.000	0.000
TO ASSAM	-28.563	-29.161	-29.161	-29.977
TO UTTRANCHAL	-83.969	-85.475	-85.475	-87.876
TO UTTAR PRADESH	-22.904	-23.326	-23.326	-24.007
TO GUJRAT	-35.801	-36.366	-36.366	-37.384
TO KERALA	-8.850	-9.070	-9.070	-9.337
TO MADHYA PRADESH	-71.933	-73.067	-73.067	-75.105
TO JAMMU & KASHMIR	-65.871	-66.859	-66.859	-68.758
TO MAHARASHTRA	-4.559	-4.659	-4.659	-4.786
TO RAJASTHAN	-77.047	-78.193	-78.193	-80.395
TO TRIPURA	-0.406	-0.413	-0.413	-0.425
TO MEGHALAYA	-31.719	-32.482	-32.482	-33.424
TO HIMACHAL PRADESH	-22.344	-22.611	-22.611	-23.256
TO WEST BENGAL	-49.890	-50.484	-50.484	-51.786
POWER EXCHANGE(IEX)	11.768	11.453	11.768	11.453
TO POWER EXCHANGE (IEX)	-293.041	-301.508	-293.041	-301.508
POWRER EXCHANGE(PX)	0.000	0.000	0.000	0.000
TO POWER EXCHANGE (PX)	-4.090	-4.211	-4.090	-4.211
TO SHARE PROJECT (HARYANA)	-3.561	-3.674	-3.561	-3.674
TO SHARE PROJECT (PUNJAB)	-5.601	-5.782	-5.601	-5.782
TOTAL	**1826.707**	**1744.719**	**114.180**	**1038.390**

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

NAME OF THE STATION	AVAILABILITY AT POWER PLANT	AVAILABILITY AT DELHI PERIPHERY	ALLOCATION MADE BY NRLDC AT POWER PLANT	ALLOCATION MADE BY NRLDC AT DELHI PERIPHERY
NTPC - NR	1540.508	1498.513	989.536	962.564
NTPC - ER	143.866	139.941	139.807	135.991
NHPC	122.470	119.149	66.236	64.441
NPC	64.464	62.710	64.464	62.710
KOTESHWAR	10.252	9.975	10.252	9.975
MUNDRA_UMPP	0.000	0.000	0.000	0.000
NATHPA JHAKRI	22.797	22.184	22.797	22.184
TEHRI	26.686	25.964	26.686	25.964
TALA	1.153	1.122	1.153	1.122
JHAJJAR	123.847	120.583	39.474	38.470
TALCHER	0.000	0.000	0.000	0.000
DVC	234.421	230.835	230.835	224.545
CHATTISHGARH	0.000	0.000	0.000	0.000
DVC CTPS (BRPL)	4.702	4.633	4.633	4.516
DVC CTPS (BYPL)	6.832	6.726	6.726	6.537
DVC CTPS (NDPL)	0.000	0.000	0.000	0.000
METHON POWER (NDPL)-LT-06	189.684	186.781	186.781	181.696
DVC MEJIA (LT-08)(BYPL)	86.013	84.697	84.697	82.391
HIMACHAL PRADESH	0.411	0.406	0.406	0.394
WEST BENGAL	0.000	0.000	0.000	0.000
MADHYA PRADESH(WR)	1.440	1.417	1.417	1.381
JAMMU & KASHMIR	0.358	0.354	0.354	0.345
DVC (FOR NDPL) LT-09	11.903	11.720	11.720	11.400
HARYANA (LT -05)	33.112	32.728	32.728	31.836
UTTRANCHAL	0.171	0.169	0.169	0.164
PUNJAB	0.000	0.000	0.000	0.000
POWER EXCHANGE(IEX)	11.768	11.453	11.768	11.453
POWER EXCHANGE(PX)	0.000	0.000	0.000	0.000

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 ASSAM	-28.563	-29.161	-29.161	-29.977
TO UTTRANCHAL	-83.969	-85.475	-85.475	-87.876
TO UTTAR PRADESH	-22.904	-23.326	-23.326	-24.007
TO GUJRAT	-35.801	-36.366	-36.366	-37.384
TO MADHYA PRADESH	-71.933	-73.067	-73.067	-75.105
TO KERALA	-8.850	-9.070	-9.070	-9.337
TO JAMMU & KASHMIR	-65.871	-66.859	-66.859	-68.758
TO MAHARASHTRA	-4.559	-4.659	-4.659	-4.786
TO RAJASTHAN	-77.047	-78.193	-78.193	-80.395
TO TRIPURA	-0.406	-0.413	-0.413	-0.425
TO MEGHALAYA	-31.719	-32.482	-32.482	-33.424
TO HIMACHAL PRADESH	-22.344	-22.611	-22.611	-23.256
TO WEST BENGAL	-49.890	-50.484	-50.484	-51.786
TO POWER EXCHANGE (IEX)	-293.041	-301.508	-293.041	-301.508
TO POWER EXCHANGE (PX)	-4.090	-4.211	-4.090	-4.211
TO SHARE PROJECT (HARYANA)	-3.561	-3.674	-3.561	-3.674
TO SHARE PROJECT (PUNJAB)	-5.601	-5.782	-5.601	-5.782
TOTAL	**-810.150**	**-827.341**	**-818.460**	**-841.690**
TOTAL SCHEDULED DRAWAL FROM THE GRID	**1826.707**	**144.719**	**1114.180**	**1038.390**
TOTAL CONSUMPTION INCLUDING AUX. OF GENERATING STNs. EXCLUDING BTPS				1720.010
NET CONSUMPTION				**1702.177**
AVAILABILITY WITHIN DELHI				796.895
ACTUAL DRAWAL FROM THE GRID				905.282
OVER DRAWAL(+)/UNDER DRAWAL(-) FROM THE GRID ON THE BASIS OF SCHEDULED ALLOCATION MADE BY NRLDC TO DELHI AT PERIPHERY				-133.108
LOAD SHEDDING				2.873
UNRESTRICTED DEMAND (GROSS)				1722.883
UNRESTRICTED DEMAND (NET)				1705.050
MAX. NET CONSUMPTION				59.478
MAX. LOAD SHEDDING				292MW ON 15.03.2013 AT 11.30HRS.
PEAK LOAD	Peak Demand during the month			SHEDDING AT PEAK TIME
DAY PEAK	3226MW AT 09.43.39HRS ON 01.03.2013			0 MW
EVENING PEAK	3211MW AT 19.23.13HRS ON 25.03.2013			0 MW
P.L.F. OF GENCO AND PRAGATI STNs.	RPH			48.47%
	GT			50.79%
	PRAGATI			83.32%
	RITHALA			0.14%
	BAWANA			10.53%

9 SHEDDING DETAILS DURING THE MONTH OF MARCH 2013.

ALL FIGURES IN MUs

DATE	No. of Under Freq. Relay Operated	Shedding due to under frequency relay operation in MUs					Shedding due to Grid Restrictions (Over drawal / low freq.)			
		BSES		NDPL	NDMC	**TOTAL**	BSES		NDPL	NDMC
		BYPL	BRPL				BYPL	BRPL		
1	**2**	**3**	**4**	**5**	**6**	**7=3 to 6**	8	9	10	11
01-Mar-13	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
02-Mar-13	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
03-Mar-13	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
04-Mar-13	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.019	0.000
05-Mar-13	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
06-Mar-13	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
07-Mar-13	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
08-Mar-13	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
09-Mar-13	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
10-Mar-13	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.027	0.000	0.000
11-Mar-13	0	0.000	0.000	0.000	0.000	**0.000**	0.137	0.281	0.036	0.000
12-Mar-13	0	0.000	0.000	0.000	0.000	**0.000**	0.193	0.278	0.074	0.000
13-Mar-13	0	0.000	0.000	0.000	0.000	**0.000**	0.198	0.085	0.000	0.000
14-Mar-13	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
15-Mar-13	0	0.000	0.000	0.000	0.000	**0.000**	0.348	0.125	0.157	0.000
16-Mar-13	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
17-Mar-13	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.041	0.000	0.000
18-Mar-13	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
19-Mar-13	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
20-Mar-13	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
21-Mar-13	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
22-Mar-13	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
23-Mar-13	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
24-Mar-13	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
25-Mar-13	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.006	0.000	0.000
26-Mar-13	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
27-Mar-13	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
28-Mar-13	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
29-Mar-13	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
30-Mar-13	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.086	0.000	0.000
31-Mar-13	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**	**0.876**	**0.929**	**0.286**	**0.000**

ALL FIGURES IN MUs

Date	Shedding due to Transmission/Grid Constraints in Central Sector Stations / TTC / ATC VOILATION				TOTAL	TOTAL SHEDDING DUE TO GRID RESTRICTIONS	Due to T&D Constraints				
							DTL				
	BSES		NDPL	NDMC			BSES		NDPL	NDMC	MES
	BYPL	BRPL					BYPL	BRPL			
1	12	13	14	15	**16=8to15**	**17=16+7**	18	19	20	21	22
01-Mar-13	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.002	0.000	0.010	0.000	0.000
02-Mar-13	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
03-Mar-13	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
04-Mar-13	0.000	0.000	0.000	0.000	**0.019**	**0.019**	0.000	0.000	0.000	0.000	0.000
05-Mar-13	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
06-Mar-13	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.008	0.000	0.000	0.000
07-Mar-13	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.017	0.000	0.000	0.000
08-Mar-13	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
09-Mar-13	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.002	0.004	0.000	0.000
10-Mar-13	0.000	0.000	0.000	0.000	**0.027**	**0.027**	0.000	0.010	0.080	0.000	0.000
11-Mar-13	0.000	0.000	0.000	0.000	**0.454**	**0.454**	0.000	0.000	0.000	0.000	0.000
12-Mar-13	0.000	0.000	0.000	0.000	**0.545**	**0.545**	0.000	0.000	0.000	0.000	0.000
13-Mar-13	0.000	0.000	0.000	0.000	**0.283**	**0.283**	0.000	0.000	0.003	0.000	0.000
14-Mar-13	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
15-Mar-13	0.000	0.000	0.000	0.000	**0.630**	**0.630**	0.000	0.000	0.000	0.000	0.000
16-Mar-13	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
17-Mar-13	0.000	0.000	0.000	0.000	**0.041**	**0.041**	0.000	0.000	0.000	0.000	0.000
18-Mar-13	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
19-Mar-13	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.011	0.000	0.000	0.000	0.000
20-Mar-13	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.055	0.006	0.000	0.000
21-Mar-13	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
22-Mar-13	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
23-Mar-13	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
24-Mar-13	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
25-Mar-13	0.000	0.000	0.000	0.000	**0.006**	**0.006**	0.000	0.000	0.001	0.000	0.000
26-Mar-13	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.003	0.000	0.000
27-Mar-13	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
28-Mar-13	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
29-Mar-13	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.002	0.000	0.000	0.000
30-Mar-13	0.000	0.000	0.000	0.000	**0.086**	**0.086**	0.000	0.000	0.000	0.000	0.000
31-Mar-13	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.001	0.000	0.000	0.000
TOTAL	**0.000**	**0.000**	**0.000**	**0.000**	**2.091**	**2.091**	**0.013**	**0.095**	**0.107**	**0.000**	**0.000**

ALL FIGURES IN MUs

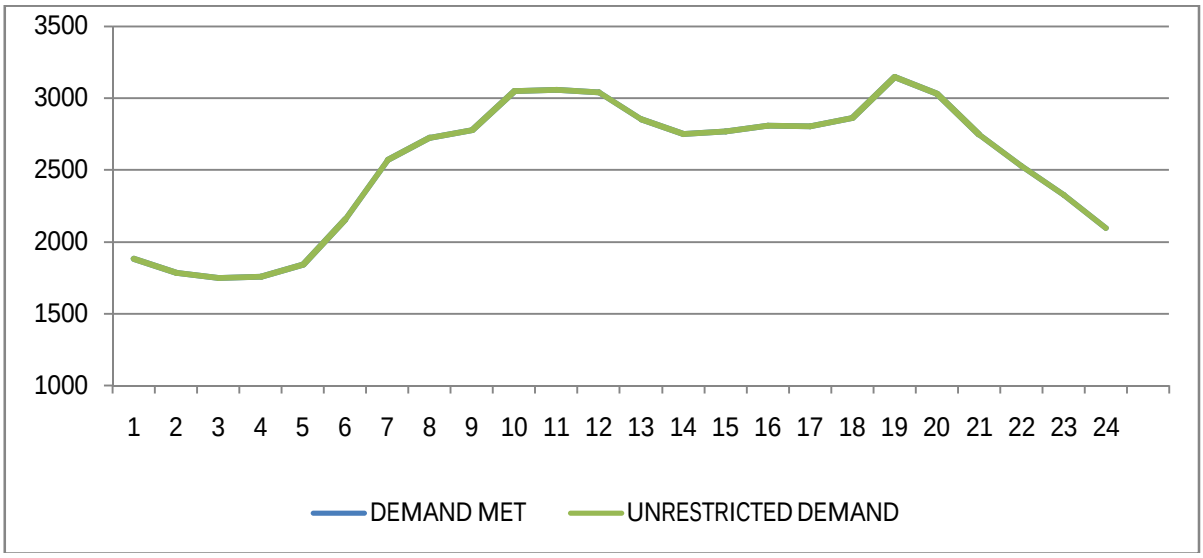
DATE	DUE TO T&D CONTRAINTS				OTHER AGENCIES LIKE GENCO, BBMB, BTPS ETC.	THEFT PRONE SHEDDING			TOTAL SHEDDING DUE TO T&D CONSTS. & THEFT PRONE	GRAND TOTAL
	DISCOMS									
	BSES		NDPL	NDMC		BSES		NDPL		
	BYPL	BRPL				BYPL	BRPL			
1	23	24	25		26	27	28	29	30=18 to29	31=30+17
01-Mar-13	0.016	0.021	0.003	0.000	0.000	0.000	0.000	0.000	**0.052**	**0.052**
02-Mar-13	0.000	0.008	0.011	0.000	0.000	0.000	0.000	0.000	**0.019**	**0.019**
03-Mar-13	0.011	0.000	0.007	0.000	0.000	0.000	0.000	0.000	**0.018**	**0.018**
04-Mar-13	0.000	0.092	0.001	0.000	0.000	0.000	0.000	0.000	**0.093**	**0.112**
05-Mar-13	0.003	0.014	0.003	0.000	0.000	0.000	0.000	0.000	**0.020**	**0.020**
06-Mar-13	0.000	0.006	0.000	0.000	0.000	0.000	0.000	0.000	**0.014**	**0.014**
07-Mar-13	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.027**	**0.027**
08-Mar-13	0.003	0.008	0.000	0.000	0.000	0.000	0.000	0.000	**0.011**	**0.011**
09-Mar-13	0.000	0.009	0.009	0.000	0.000	0.000	0.000	0.000	**0.025**	**0.025**
10-Mar-13	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.092**	**0.119**
11-Mar-13	0.000	0.012	0.000	0.000	0.000	0.000	0.000	0.000	**0.012**	**0.466**
12-Mar-13	0.000	0.024	0.000	0.000	0.000	0.000	0.000	0.000	**0.024**	**0.569**
13-Mar-13	0.000	0.000	0.012	0.000	0.000	0.000	0.000	0.000	**0.015**	**0.298**
14-Mar-13	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**	**0.000**
15-Mar-13	0.058	0.000	0.001	0.000	0.000	0.000	0.000	0.000	**0.059**	**0.689**
16-Mar-13	0.005	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.005**	**0.005**
17-Mar-13	0.040	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.040**	**0.081**
18-Mar-13	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.001**	**0.001**
19-Mar-13	0.000	0.015	0.000	0.000	0.000	0.000	0.000	0.000	**0.026**	**0.026**
20-Mar-13	0.013	0.000	0.001	0.000	0.000	0.000	0.000	0.000	**0.075**	**0.075**
21-Mar-13	0.000	0.012	0.005	0.000	0.000	0.000	0.000	0.000	**0.017**	**0.017**
22-Mar-13	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.000	**0.001**	**0.001**
23-Mar-13	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**	**0.000**
24-Mar-13	0.002	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.002**	**0.002**
25-Mar-13	0.033	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.034**	**0.040**
26-Mar-13	0.023	0.000	0.001	0.000	0.000	0.000	0.000	0.000	**0.027**	**0.027**
27-Mar-13	0.000	0.013	0.002	0.000	0.000	0.000	0.000	0.000	**0.015**	**0.015**
28-Mar-13	0.006	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.006**	**0.006**
29-Mar-13	0.000	0.005	0.000	0.000	0.000	0.000	0.000	0.000	**0.007**	**0.007**
30-Mar-13	0.002	0.000	0.026	0.000	0.000	0.000	0.000	0.000	**0.028**	**0.114**
31-Mar-13	0.009	0.000	0.007	0.000	0.000	0.000	0.000	0.000	**0.017**	**0.017**
TOTAL	**0.235**	**0.239**	**0.090**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.782**	**2.873**

DATE	(NET CONS.)	MAXI. DEMAND MET DURING THE DAY	TIME OF OCCUR-RENCE OF MAX DEMAND	SHEDDING AT THIS TIME	UN-REST-RICTED DEMAND	MAXIMUM UN-REST-RICTED DEMAND DURING THE DAY	TIME OF MAX. UN-REST. DEMAND	DEMAND AT THAT TIME	SHEDDING AT THAT TIME
	In Mus.	IN MW	IN HRS.	IN MW	IN MW	IN MW	HRS.	IN MW	IN MW
1	32	33	34	35	36=33+35	37=39+40	38	39	40
01-Mar-13	55.501	**3226**	09:43:39	0	**3226**	**3226**	09:43:39	**3226**	0
02-Mar-13	52.852	**3092**	09:46:50	0	**3092**	**3092**	09:46:50	**3092**	0
03-Mar-13	50.337	**3038**	10:03:27	0	**3038**	**3038**	10:03:27	**3038**	0
04-Mar-13	53.064	**3203**	10:16:50	0	**3203**	**3203**	10:16:50	**3203**	0
05-Mar-13	54.336	**3064**	18:48:40	0	**3064**	**3064**	18:48:40	**3064**	0
06-Mar-13	54.657	**3047**	10:02:13	0	**3047**	**3047**	10:02:13	**3047**	0
07-Mar-13	55.228	**3085**	10:10:58	0	**3085**	**3085**	10:10:58	**3085**	0
08-Mar-13	56.651	**3102**	10:38:52	0	**3102**	**3102**	10:38:52	**3102**	0
09-Mar-13	54.591	**2974**	19:15:18	0	**2974**	**2974**	19:15:18	**2974**	0
10-Mar-13	50.894	**2766**	19:29:35	0	**2766**	**2766**	19:29:35	**2766**	0
11-Mar-13	55.530	**3042**	19:45:54	0	**3042**	**3042**	19:45:54	**3042**	0
12-Mar-13	55.793	**3162**	19:53:09	58	**3220**	**3236**	19:00	**3001**	235
13-Mar-13	56.438	**3155**	19:39:00	0	**3155**	**3155**	19:39:00	**3155**	0
14-Mar-13	57.141	**3131**	19:30:27	0	**3131**	**3131**	19:30:27	**3131**	0
15-Mar-13	56.415	**3143**	19:06:00	0	**3143**	**3143**	19:06:00	**3143**	0
16-Mar-13	55.450	**2957**	18:58:59	0	**2957**	**2957**	18:58:59	**2957**	0
17-Mar-13	51.506	**2802**	19:17:59	0	**2802**	**2802**	19:17:59	**2802**	0
18-Mar-13	55.933	**3061**	19:20:16	0	**3061**	**3061**	19:20:16	**3061**	0
19-Mar-13	57.638	**3162**	19:11:23	0	**3162**	**3162**	19:11:23	**3162**	0
20-Mar-13	57.165	**3205**	19:21:33	0	**3205**	**3205**	19:21:33	**3205**	0
21-Mar-13	58.750	**3189**	19:22	0	**3189**	**3189**	19:22	**3189**	0
22-Mar-13	59.478	**3193**	19:14:10	0	**3193**	**3193**	19:14:10	**3193**	0
23-Mar-13	58.664	**3116**	19:05:44	0	**3116**	**3116**	19:05:44	**3116**	0
24-Mar-13	56.659	**2938**	19:22:04	0	**2938**	**2938**	19:22:04	**2938**	0
25-Mar-13	59.052	**3211**	19:23:13	2	**3213**	**3213**	19:23:13	**3211**	2
26-Mar-13	54.819	**2963**	10:18:06	0	**2963**	**2963**	10:18:06	**2963**	0
27-Mar-13	44.034	**2429**	19:42:41	0	**2429**	**2429**	19:42:41	**2429**	0
28-Mar-13	51.705	**2759**	10:41:41	0	**2759**	**2759**	10:41:41	**2759**	0
29-Mar-13	53.759	**2944**	19:18:55	0	**2944**	**2944**	19:18:55	**2944**	0
30-Mar-13	54.838	**2921**	19:17:13	2	**2923**	**2923**	19:17:13	**2921**	2
31-Mar-13	53.299	**2861**	19:40:45	0	**2861**	**2861**	19:40:45	**2861**	0
TOTAL	**1702.177**	**3226** **01.03.13**	09:43:39	0	**3226** 12.03.13	**3236**	19:00	**3001**	235

10 LOAD PATTERN OF DELHI ON THE DAY OF PEAK DEMAND MET DURING MARCH 2013 ON 01.03.2013- 3226MW at 09.43.39HRS.

All figures in MW

Hrs.	Demand	Load Shedding	Un-Restricted Demand
1	1442	0	1442
2	1349	0	1349
3	1324	0	1324
4	1322	5	1327
5	1501	0	1501
6	2027	0	2027
7	2806	0	2806
8	3121	3	3124
9	3073	3	3076
9.43.39	3226	0	3226
10	3161	0	3161
11	3078	0	3078
12	2936	3	2939
13	2670	3	2673
14	2503	3	2506
15	2484	1	2485
16	2478	1	2479
17	2501	10	2511
18	2658	1	2659
19	3027	0	3027
20	2891	0	2891
21	2676	0	2676
22	2309	0	2309
23	1974	0	1974
24	1638	0	1638
TOTAL	**55.501**	**0.052**	**55.553**

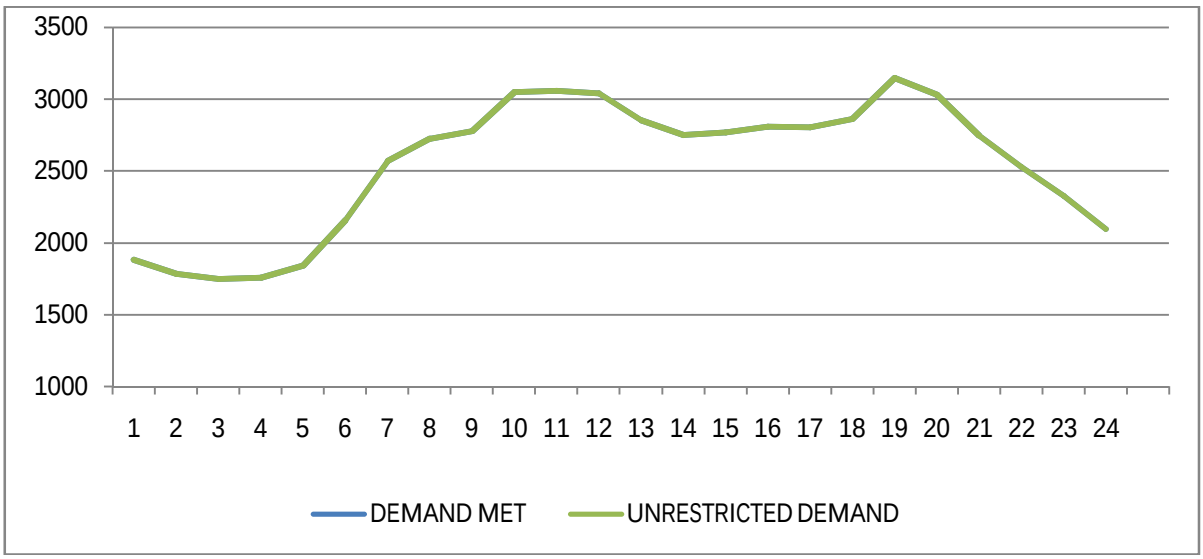


11 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UN-RESTRICTED

DEMAND DURING MARCH 2013 ON 12.03.2013- 3236MW at 19.00.00HRS.

All figures in MW

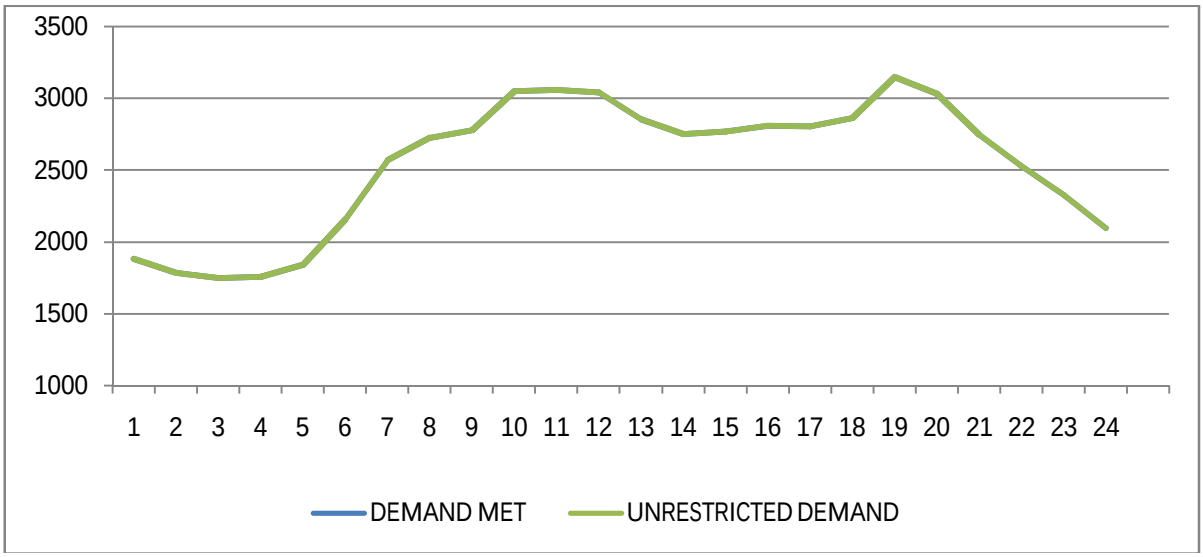
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1	1764	0	1764
2	1688	0	1688
3	1645	0	1645
4	1641	0	1641
5	1736	0	1736
6	2132	0	2132
7	2591	39	2630
8	2760	0	2760
9	2745	0	2745
10	2966	0	2966
11	3014	0	3014
12	2945	0	2945
13	2794	0	2794
14	2630	45	2675
15	2864	7	2871
16	2681	7	2688
17	2672	67	2739
18	2677	109	2786
19	3001	235	3236
19.53.09	3162	58	3220
20	2944	58	3002
21	2736	0	2736
22	2482	0	2482
23	2225	0	2225
24	1954	0	1954
TOTAL	**55.793**	**0..569**	**56.362**



12 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM ENERGY CONSUMED DURING MARCH 2013 – 22.03.2013 – 59.478 Mus

All figures in MW

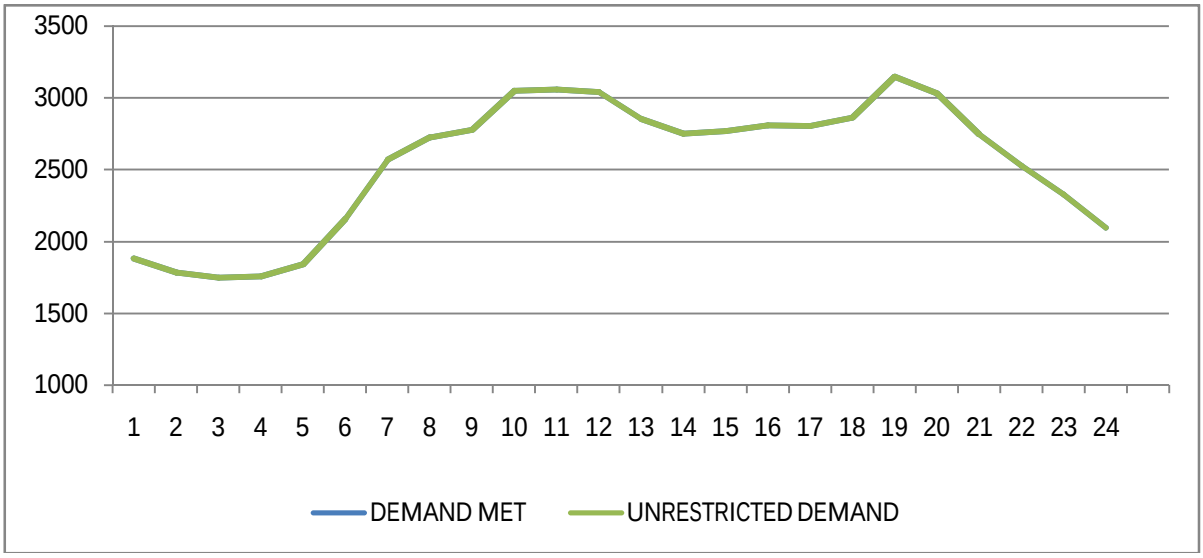
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1	1882	0	1882
2	1785	0	1785
3	1751	0	1751
4	1758	0	1758
5	1843	0	1843
6	2158	0	2158
7	2569	0	2569
8	2725	0	2725
9	2781	0	2781
10	3049	0	3049
11	3062	0	3062
12	3043	0	3043
13	2857	0	2857
14	2752	0	2752
15	2771	0	2771
16	2812	0	2812
17	2807	0	2807
18	2863	0	2863
19	3151	0	3151
20	3033	0	3033
21	2750	0	2750
22	2529	0	2529
23	2331	0	2331
24	2096	0	2096
TOTAL	**59.478**	**0.001**	**59.479**



13 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UNRESTRICTED ENERGY DEMAND DURING MARCH 2013 – 22.03.2013 – 59.479 Mus

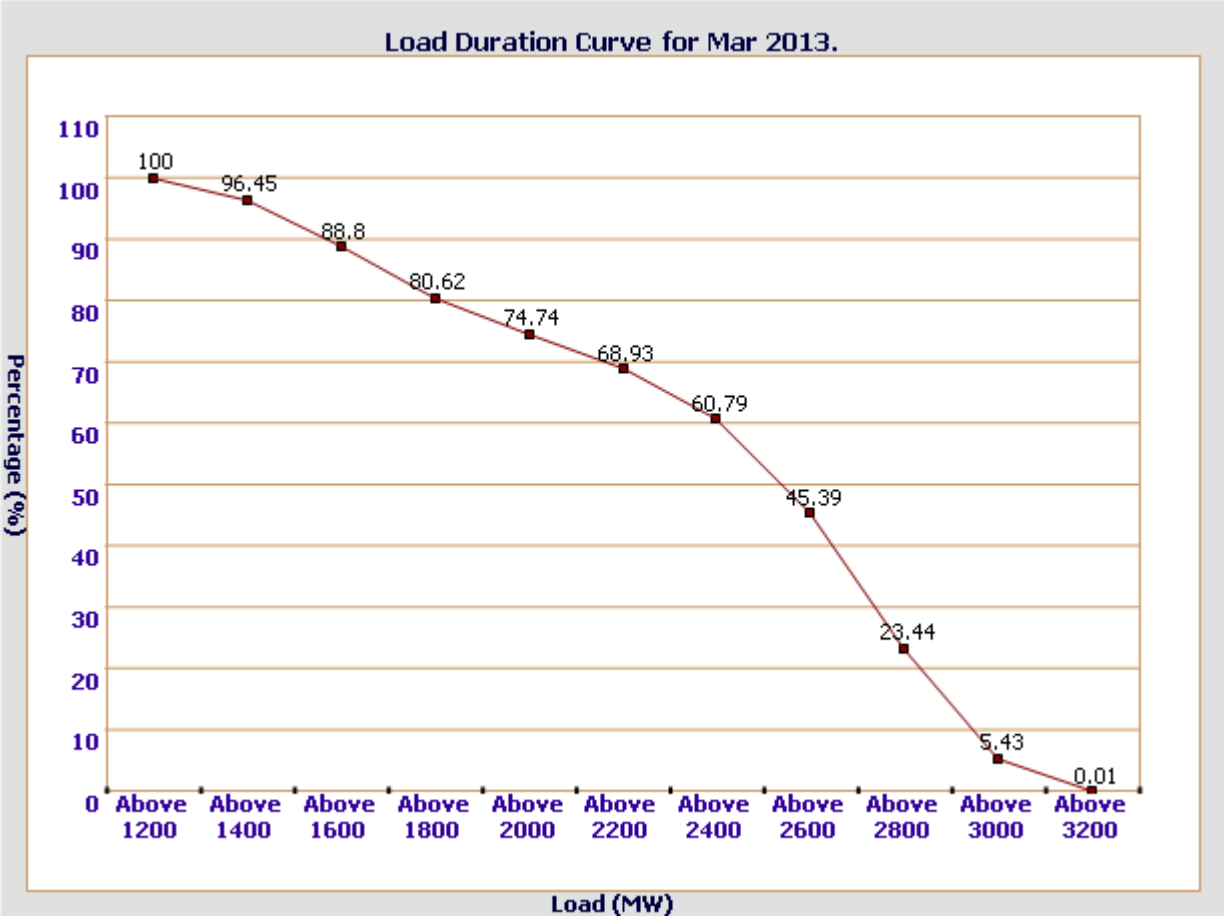
All figures in MW

Hrs.	Demand	Load Shedding	Un-Restricted Demand
1	1882	0	1882
2	1785	0	1785
3	1751	0	1751
4	1758	0	1758
5	1843	0	1843
6	2158	0	2158
7	2569	0	2569
8	2725	0	2725
9	2781	0	2781
10	3049	0	3049
11	3062	0	3062
12	3043	0	3043
13	2857	0	2857
14	2752	0	2752
15	2771	0	2771
16	2812	0	2812
17	2807	0	2807
18	2863	0	2863
19	3151	0	3151
20	3033	0	3033
21	2750	0	2750
22	2529	0	2529
23	2331	0	2331
24	2096	0	2096
TOTAL	**59.478**	**0.001**	**59.479**



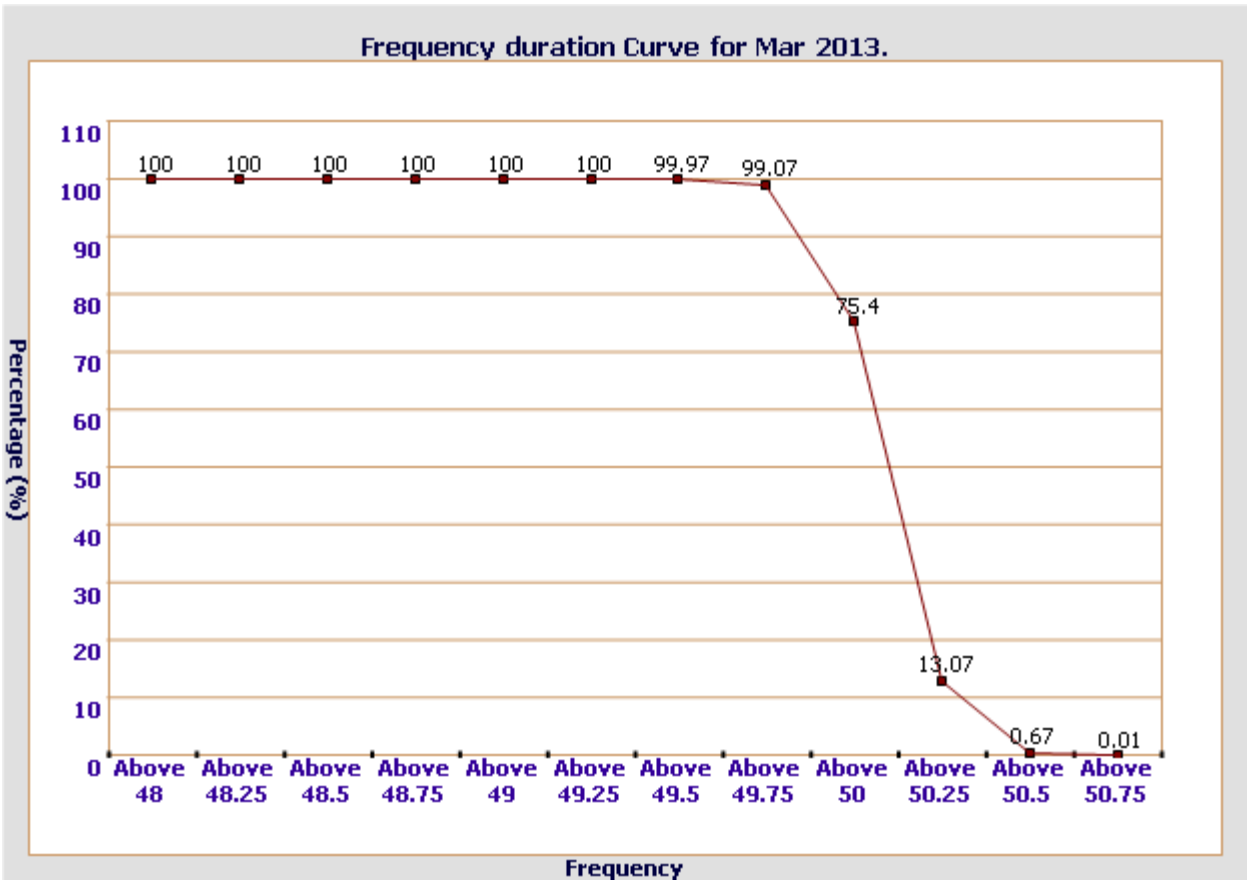
14 LOAD DURATION CURVE FOR MARCH 2013

Load in MW	Percentage of Time
Above 1200	100 %
Above 1400	96.45 %
Above 1600	88.8 %
Above 1800	80.62 %
Above 2000	74.74 %
Above 2200	68.93 %
Above 2400	60.79 %
Above 2600	45.39 %
Above 2800	23.44 %
Above 3000	5.43 %
Above 3200	0.01 %



15 FREQUENCY ANALYSIS FOR THE MONTH OF MARCH 2013

Frequency Range in Hz.	Percentage of time
Above 49.25	100 %
Above 49.5	99.97 %
Above 49.75	99.07 %
Above 50	75.4 %
Above 50.25	13.07 %
Above 50.5	0.67 %
Above 50.75	0.01 %



16 VOLTAGE PROFILE OF 220 KV SUB-STATIONS IN DELHI DURING FEBRUARY 2013

All figures in kV

Date	NARELA		GAZIPUR	
	Max	Min	Max	Min
01-Mar-13	234.08	217.18	229.44	199.52
02-Mar-13	234.34	217.96	230.08	216.97
03-Mar-13	233.82	219.64	229.18	218.86
04-Mar-13	232.66	217.31	229.18	214.99
05-Mar-13	229.95	217.57	226.86	199.26
06-Mar-13	231.76	217.31	226.73	199.00
07-Mar-13	230.73	216.67	225.70	204.03
08-Mar-13	229.18	217.57	224.41	209.19
09-Mar-13	229.82	218.60	227.24	209.19
10-Mar-13	228.02	--	223.76	213.86
11-Mar-13	230.08	215.77	226.34	216.02
12-Mar-13	228.53	214.99	224.66	214.09
13-Mar-13	230.21	218.22	226.73	216.28
14-Mar-13	231.76	218.60	226.21	210.48
15-Mar-13	233.05	218.86	227.24	212.03
16-Mar-13	230.86	217.57	224.92	209.19
17-Mar-13	231.11	218.99	226.99	--
18-Mar-13	231.50	216.67	228.28	211.38
19-Mar-13	230.47	216.67	226.34	--
20-Mar-13	--	--	--	--
21-Mar-13	230.60	216.54	219.12	186.75
22-Mar-13	228.79	215.12	216.67	179.14
23-Mar-13	229.44	217.57	223.38	192.16
24-Mar-13	230.86	218.35	224.92	195.78
25-Mar-13	--	--	--	--
26-Mar-13	--	--	--	--
27-Mar-13	--	--	--	--
28-Mar-13	--	--	--	--
29-Mar-13	--	--	--	--
30-Mar-13	--	--	--	--
31-Mar-13	--	--	--	--

17 VOLTAGE PROFILE OF 400 KV SUB-STATIONS IN DELHI DURING JANUARY 2013

All figures in kV

Date	400kV Bamnauli Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01-Mar-13	421.38	02.51.16	396.05	18.56.10	407.89
02-Mar-13	422.08	04.02.51	395.58	19.11.26	407.73
03-Mar-13	419.74	04.02.05	397.93	12.38.46	408.05
04-Mar-13	418.33	04.06.00	393.94	19.04.27	404.21
05-Mar-13	413.64	04.04.45	394.65	15.22.19	402.84
06-Mar-13	415.98	04.03.51	395.12	12.16.51	402.82
07-Mar-13	413.87	04.13.39	390.89	12.07.15	402.34
08-Mar-13	411.30	04.04.01	393.71	16.38.02	401.94
09-Mar-13	413.41	04.04.30	395.58	14.39.24	403.41
10-Mar-13	410.83	16.06.04	395.58	11.13.20	403.91
11-Mar-13	413.87	04.04.01	392.77	11.41.27	402.65
12-Mar-13	413.41	18.01.23	393.24	11.08.52	402.58
13-Mar-13	416.69	04.44.21	395.82	10.07.32	406.59
14-Mar-13	416.92	03.34.37	396.76	19.11.06	405.78
15-Mar-13	419.50	03.58.25	396.29	10.09.06	406.72
16-Mar-13	418.10	04.04.39	395.59	09.43.37	404.23
17-Mar-13	416.22	04.06.39	396.29	11.14.13	405.56
18-Mar-13	415.75	04.06.47	390.89	11.20.39	401.49
19-Mar-13	413.17	04.06.27	392.30	19.13.03	400.75
20-Mar-13	--	--	--	--	--
21-Mar-13	417.86	04.04.03	393.47	11.37.18	401.57
22-Mar-13	414.34	04.05.44	392.07	11.19.10	405.02
23-Mar-13	415.52	04.04.59	395.58	11.46.07	405.64
24-Mar-13	--	--	--	--	--
25-Mar-13	--	--	--	--	--
26-Mar-13	--	--	--	--	--
27-Mar-13	--	--	--	--	--
28-Mar-13	--	--	--	--	--
29-Mar-13	--	--	--	--	--
30-Mar-13	--	--	--	--	--
31-Mar-13	--	--	--	--	--

All figures in kV

Date	400kV Bawana Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01-Mar-13	427.94	04.06.00	404.03	18.56.10	415.45
02-Mar-13	428.88	04.02.31	405.20	19.10.46	416.46
03-Mar-13	427.47	04.01.55	406.84	12.41.16	416.85
04-Mar-13	419.27	22.51.38	402.85	19.04.07	410.06
05-Mar-13	420.91	04.04.25	403.32	18.58.41	410.69
06-Mar-13	416.69	00.41.30	403.09	12.16.51	409.23
07-Mar-13	419.03	03.32.57	399.34	12.06.35	409.69
08-Mar-13	419.03	04.04.01	401.92	10.07.30	409.88
09-Mar-13	420.91	04.05.00	404.26	14.38.54	411.51
10-Mar-13	418.56	16.06.04	403.09	11.15.10	411.81
11-Mar-13	421.61	04.03.31	399.10	11.41.17	410.91
12-Mar-13	420.91	18.01.33	399.10	12.15.06	409.81
13-Mar-13	423.25	04.44.31	403.09	10.07.32	413.87
14-Mar-13	425.13	03.46.48	405.67	19.12.06	414.14
15-Mar-13	427.24	03.58.35	405.43	10.09.06	414.95
16-Mar-13	424.43	04.03.29	399.34	11.40.03	412.09
17-Mar-13	423.25	04.06.29	405.20	11.16.03	414.17
18-Mar-13	424.43	04.06.37	399.57	11.16.59	411.14
19-Mar-13	422.55	04.05.47	400.51	11.09.41	409.56
20-Mar-13	--	--	--	--	--
21-Mar-13	424.43	04.04.43	400.74	11.35.18	409.31
22-Mar-13	420.91	04.08.04	399.57	11.19.30	412.27
23-Mar-13	422.08	04.05.49	402.85	11.46.07	412.98
24-Mar-13	425.36	04.05.45	405.20	11.25.31	415.30
25-Mar-13	--	--	--	--	--
26-Mar-13	--	--	--	--	--
27-Mar-13	--	--	--	--	--
28-Mar-13	--	--	--	--	--
29-Mar-13	--	--	--	--	--
30-Mar-13	--	--	--	--	--
31-Mar-13	--	--	--	--	--

18 DETAILS OF LUMPED CAPACITORS AT NEAREST 220 KV SUBSTATION

Sl. No	SUB-STATION	INSTALLED CAPACITY			
		66KV	33kV	11kV	**TOTAL**
1	**IP YARD**		30		**30**
1	Kamla Market			16.35	**16.35**
2	Minto Road				**0**
3	GB Pant Hosp			15.88	**15.88**
4	Delhi Gate			10.9	**10.9**
5	Tilakmarg			5.04	**5.04**
7	Cannaught Place			10.08	**10.08**
8	Kilokri		10.08	10.48	**20.56**
9	NDSE				**0**
11	Nizamuddin				**0**
12	Exhibition-I				**0**
13	Exhibition-II				**0**
14	Defence Colony				**0**
15	IG Stadium		10.08	5.45	**15.53**
16	Lajpat Nagar				**0**
17	IP Estate			10.9	**10.9**
	LT BYPL				**5.6**
		0	**50.16**	**85.08**	**140.84**
2	**Electric Lane**				
1	Electric Lane			5.04	**5.04**
2	Scindia House			5.04	**5.04**
3	Raisina Road			10.08	**10.08**
4	Raja Bazar			10.08	**10.08**
	LT NDMC				**12**
		0	**0**	**30.24**	**42.24**
3	**RPH Station**		20		**20**
1	Lahori Gate			10.49	**10.49**
2	Jama Masjid			10.48	**10.48**
4	Kamla Market				**0**
5	Minto Road			10.9	**10.9**
6	GB Pant Hosp				**0**
7	IG Stadium				**0**
	LT BYPL				**3**
		0	**20**	**31.87**	**54.87**
4	**Parkstreet S/stn**	20	20		**40**
1	Shastri Park		10.896	5.45	**16.346**
2	Faiz Road			18.05	**18.05**
3	Motia Khan			16.3	**16.3**
4	Prasad Nagar			16.25	**16.25**
5	Anand Parbat			10.8	**10.8**
6	Shankar Road			5.04	**5.04**
7	Rama Road			0	**0**
8	Baird Road			10.08	**10.08**
9	Hanuman Road			5.04	**5.04**
10	Pusa			5.44	**5.44**
11	Ridge Valley			0	**0**
12	B. D. Marg			0	**0**
13	Nirman Bhawan			5.04	**5.04**
	LT BYPL			0	**30.1**
		20.00	**30.90**	**97.49**	**178.486**
5	**Naraina S/stn**		20	5.04	**25.04**
1	DMS			10.85	**10.85**
2	Mayapuri		10.87	10.4	**21.27**
3	Inderpuri		10	4.8	**14.8**
4	Rewari line				**0**
5	Khyber Lane		10.05		**10.05**
6	Kirbi Place		10.05		**10.05**
7	Payal			7.2	**7.2**
8	Saraswati Garden			10.88	**10.88**
		0	**60.97**	**49.17**	**110.14**

Sl. No	SUB-STATION	INSTALLED CAPACITY			
		66KV	33kV	11kV	**TOTAL**
6	**Mehrauli S/stn**	80		5.04	**85.04**
1	Adchini			14.61	**14.61**
2	Andheria Bagh			10.85	**10.85**
3	IIT			10.9	**10.9**
4	JNU		10.03	10.03	**20.06**
5	Bijwasan			15.47	**15.47**
6	DC Saket			9.98	**9.98**
7	Malviya Nagar				**0**
8	C Dot			10.48	**10.48**
9	Vasant kunj B-Blk	21.79		10.9	**32.69**
10	Vasant kunj C-Blk	20.16		10.48	**30.64**
11	Palam				**0**
12	IGNOU			5.04	**5.04**
13	R. K. Puram-I			10.07	**10.07**
14	Vasant Vihar			19.25	**19.25**
15	Pusp Vihar			10.44	**10.44**
16	Bhikaji Cama Place		10.08	10.07	**20.15**
	LT BRPL				**25**
		121.95	**20.11**	**163.61**	**330.67**
7	**Vasantkunj S/stn**	40		5.04	**45.04**
1	R. K. Puram-II			10.08	**10.08**
2	Vasant kunj C-Blk				**0**
3	Vasant kunj D-Blk			9.63	**9.63**
4	Ridge Valley				**0**
	LT BRPL				**33.2**
		40	**0**	**24.75**	**97.95**
8	**Okhla S/stn**	60	10	5.04	**75.04**
1	Balaji			10.8	**10.8**
2	East of Kailash			15.89	**15.89**
3	Alaknanda			16.3	**16.3**
4	Malviya Nagar	21.79		10.85	**32.64**
5	Masjid Moth			16.3	**16.3**
6	Nehru Place			21.34	**21.34**
7	Okhla Ph-I	21.79		16.3	**38.09**
8	Okhla Ph-II		20.93	15.47	**36.4**
9	Shivalik			10.8	**10.8**
10	Batra			15.9	**15.9**
11	VSNL			10.9	**10.9**
12	Siri Fort			10.49	**10.49**
13	Tuglakabad			10.85	**10.85**
	LT BRPL				**59**
		103.58	**30.93**	**187.23**	**380.74**
9	**Lodhi Road S/stn**		20		**20**
1	Defence Colony		14.85		**14.85**
2	Hudco		10.9		**10.9**
3	Lajpat Nagar		10.9		**10.9**
4	Nizamuddin		10.44		**10.44**
5	Vidyut Bhawan				**0**
6	Ex. Gr. II				**0**
7	IHC				**0**
	LT BRPL				**42**
		0	**67.09**	**0**	**109.09**
10	**Sarita Vihar S/stn**	20		5.04	**25.04**
1	Sarita Vihar			10.07	**10.07**
2	MCIE			10.06	**10.06**
3	Mathura Road	20.16		11.69	**31.85**
4	Jamia Millia			10.89	**10.89**
5	Sarai Julena		10.08	16.29	**26.37**
6	Jasola			5.44	**5.44**
	LT BRPL				**23.6**
		40.16	**10.08**	**69.48**	**143.32**

Sl. No	SUB-STATION	INSTALLED CAPACITY			
		66KV	33kV	11kV	**TOTAL**
11	**Wazirabad**				
1	Bhagirathi		14.4	10.9	**25.3**
2	Ghonda	21.79	22.56	15.94	**60.29**
3	Seelam Pur		10.08	21.39	**31.47**
4	Dwarkapuri			15.46	**15.46**
5	Nandnagri	20.16		16.35	**36.51**
6	Yamuna Vihar			16.2	**16.2**
7	East of Loni Road			10.8	**10.8**
8	Shastri Park			10.9	**10.9**
9	Karawal Nagar			5.4	**5.4**
10	Sonia Vihar			7.2	**7.2**
	LT BYPL				**10**
		41.95	**47.04**	**130.54**	**229.53**
12	**Geeta Colony**				
1	Geeta Colony				**0**
2	Kanti Nagar			10.49	**10.49**
3	Kailash Nagar			10.9	**10.9**
4	Seelam Pur			15.48	**15.48**
5	Shakar Pur				**0**
	LT BYPL				**5.8**
		0	**0**	**36.87**	**42.67**
13	**Gazipur S/stn**	40		5.04	**45.04**
1	Dallupura	28.8		10.9	**39.7**
2	Vivek Vihar			9.57	**9.57**
3	GT Road			10.85	**10.85**
4	Kondli	20.16		10.85	**31.01**
5	MVR-I			10.9	**10.9**
6	MVR-II	20.16		10.9	**31.06**
7	PPG Ind. Area			10.06	**10.06**
	LT BYPL				**20.6**
		109.12	**0**	**79.07**	**208.79**
14	**Patparganj S/stn**	40	20	5.04	**65.04**
1	GH-I	19.89		10.45	**30.34**
2	GH-II	20.09		10.9	**30.99**
3	CBD		10.03	15.48	**25.51**
4	Guru Angad Nagar			15.49	**15.49**
5	Karkadooma		10.8	10.44	**21.24**
6	Preet Vihar			10.07	**10.07**
7	CBD-II			10.8	**10.8**
8	Shakarpur			10.8	**10.8**
9	Jhilmil			10.8	**10.8**
10	Dilshad Garden	20.16		16.35	**36.51**
11	Khichripur	21.79		10.49	**32.28**
12	Mother Dairy				**0**
13	Scope Building				**0**
14	Vivek Vihar				**0**
15	Akhardham			14.6	**14.6**
	LT BYPL				**23.3**
		121.93	**40.83**	**151.71**	**337.77**
15	**Najafgarh S/stn**	60		5.04	**65.04**
1	A4 Paschim Vihar			10.8	**10.8**
2	Nangloi	21.73		15.84	**37.57**
3	Nangloi W/W	20.89		10.85	**31.74**
4	Pankha Road			15.88	**15.88**
5	Jaffarpur			15.43	**15.43**
7	Inst. Area Janakpuri			17.6	**17.6**
8	Paschimpuri		10.05	15.47	**25.52**
9	Paschim Vihar	41.83		15.43	**57.26**
10	Mukherjee Park			20.83	**20.83**
11	Udyog Nagar			10.43	**10.43**
12	Choukhandi			10.07	**10.07**
	LT BRPL				**27**
		144.45	**10.05**	**163.67**	**345.17**

Sl. No	SUB-STATION	INSTALLED CAPACITY			
		66KV	33kV	11kV	**TOTAL**
16	**Pappankalan-I S/stn**	20		5.04	**25.04**
1	Bindapur Grid G-3 PPK	21.73		15.85	**37.58**
2	Bodella-I	20.1		16.24	**36.34**
3	Bodella-II	21.73		17.64	**39.37**
4	DC Janakpuri			10.03	**10.03**
5	G-2 PPK			10.8	**10.8**
6	G-5 PPK			15.51	**15.51**
7	G-6 PPK			5.4	**5.4**
8	G-15 PPK			10.8	**10.8**
9	Harinagar	21.18		16.25	**37.43**
10	Rewari line			5.44	**5.44**
	LT BRPL				**13.5**
		104.74	**0**	**129**	**247.24**
17	**BBMB Rohtak Road**				
1	S.B. Mill			10.07	**10.07**
2	Rama Road			10.88	**10.88**
3	Ram Pura			10.48	**10.48**
4	Rohtak Road			8.04	**8.04**
5	Vishal			10.4	**10.4**
6	Tri Nagar			5.44	**5.44**
7	Madipur			10.43	**10.43**
8	Sudershan Park			10.08	**10.08**
9	Kirti Nagar			5.44	**5.44**
		0	**0**	**81.26**	**81.26**
18	**Shalimarbagh S/stn**		40	6	**46**
1	S.G.T. Nagar			5.44	**5.44**
2	Wazirpur-1			17.18	**17.18**
3	Wazirpur-2			11.39	**11.39**
4	Ashok Vihar			5.44	**5.44**
5	Rani Bagh			10.88	**10.88**
6	Haiderpur			11.39	**11.39**
7	SMB FC			5.44	**5.44**
8	SMB KHOSLA			5.44	**5.44**
	LT TPDDL				**30**
		0	**40**	**78.6**	**148.6**
19	**Subzimandi S/stn**			6	**6**
1	Shakti Nagar			5.94	**5.94**
2	Gulabibagh			10.88	**10.88**
3	Shahzadabagh			13.68	**13.68**
4	DU			5.44	**5.44**
5	Tripolia			10.88	**10.88**
	B. G. Road			5.4	**5.4**
	LT BYPL				**0.9**
	LT TPDDL				**20**
		0	**0**	**58.22**	**79.12**
20	**Narela S/stn**	40		5.04	**45.04**
1	A-7 Narela			10.88	**10.88**
2	AIR Kham pur			6	**6**
3	Ashok vihar			10.48	**10.48**
4	Azad Pur			5.44	**5.44**
5	Tri Nagar			5.44	**5.44**
6	Badli	20		5.95	**25.95**
7	DSIDC Narela-1			5.95	**5.95**
8	GTK			5.44	**5.44**
9	Jahangirpuri	20	10	0	**30**
10	Bhalswa			3.6	**3.6**
	LT TPDDL				**10**
		80	**10**	**64.22**	**164.22**

Sl. No	SUB-STATION	INSTALLED CAPACITY			
		66KV	33kV	11kV	**TOTAL**
21	**Gopalpur S/stn**		30	5.04	**35.04**
1	Azad Pur			10.88	**10.88**
2	Hudson Lane			5.44	**5.44**
3	Wazirabad			2.4	**2.4**
4	Indra Vihar			5.44	**5.44**
6	GTK Road			5.94	**5.94**
7	Jahangirpuri		10	5.95	**15.95**
8	Civil lines			5.44	**5.44**
9	Pitam Pura-1			5.44	**5.44**
10	Pitam Pura-3			5.44	**5.44**
11	Air Khampur			5.95	**5.95**
12	SGT Nagar			5.95	**5.95**
13	Tiggipur			10.88	**10.88**
	LT TPDDL				**29**
		0	**40**	**80.19**	**149.19**
22	**Rohini S/stn**	40		6	**46**
1	Rohini Sec-22			10.88	**10.88**
2	Rohini Sec-23	20		5.44	**25.44**
3	Rohini Sec-24			5.44	**5.44**
4	Rohini-1			5.44	**5.44**
5	Rohini-3			5.95	**5.95**
6	Rohini-4			11.39	**11.39**
7	Rohini-5			11.39	**11.39**
8	Rohini-6			5.95	**5.95**
9	Mangolpuri-1			16.83	**16.83**
10	Mangolpuri-2	20		5.94	**25.94**
11	Pitam Pura-1	20		5.04	**25.04**
12	Pitam Pura-2			10.48	**10.48**
13	Rohini DC-1			14.4	**14.4**
	LT TPDDL				**30**
		100	**0**	**120.57**	**250.57**
23	**Kanjhawala S/stn**	20		5.04	**25.04**
1	Bawana Clear Water			10.88	**10.88**
2	Pooth Khoord			5.44	**5.44**
		20	**0**	**21.36**	**41.36**
24	**BAWANA S/stn**				
1	Bawana S/stn No. 6			10.88	**10.88**
2	Bawana S/stn No. 7				**0**
		0	**0**	**10.88**	**10.88**
25	**Kashmeregate S/stn**			5.04	**5.04**
1	Civil lines			5.44	**5.44**
2	Town Hall			8.64	**8.64**
3	Fountain			5.45	**5.45**
	LT BYPL				**2.7**
		0	**0**	**24.57**	**27.27**
26	**Pappankalan-II**				
1	DMRC-I				**0**
2	DMRC-II				**0**
27	**Trauma Center (AIIMS)**				
1	AIIMS		13.26	5.04	**18.3**
2	Trauma Center			10.08	**10.08**
3	Netaji Nagar			15.12	**15.12**
4	Sanjay Camp			10.08	**10.08**
5	Kidwai Nagar			5.04	**5.04**
6	SJ Airport			5.04	**5.04**
	Race Course			5.04	**5.04**
		0	**13.26**	**55.44**	**68.7**

Sl. No	SUB-STATION	INSTALLED CAPACITY			
		66KV	33kV	11kV	**TOTAL**
28	**MUNDKA**				
	Rohini-2			11.39	**11.39**
	LT BRPL				**18.5**
		0	**0**	**11.39**	**29.89**
29	**DSIDC BAWANA**				
	DSIDC NRL-1	20			**20**
	DSIDC NRL-2			10.88	**10.88**
		20	**0**	**10.88**	**30.88**
30	**RIDGE VALLEY**				
	Keventry Diary			10.08	**10.08**
	Nehru Park			5.04	**5.04**
	Bapu Dham			10.08	**10.08**
		0	**0**	**25.2**	**25.2**
31	**IP EXTN (PRAGATI)**				
	Vidyut Bhawan			10.08	**10.08**
	Dalhousie Road			5.04	**5.04**
	School Lane			5.04	**5.04**
	LT NDMC				**12.29**
		0	**0**	**20.16**	**32.45**
	TOTAL CAPACITY	**1067.9**	**491.4**	**2092.7**	**4139**

Utility	**HT**	**LT**	**Total**
BYPL	**864**	**102**	**966**
TPDDL	**657**	**119**	**776**
NDMC	**180**	**24**	**204**
DTL	**754**	**0**	**754**
BRPL	**1158**	**242**	**1400**
RPH	**20**	**0**	**20**
MES	**20**	**0**	**20**
	3652	**487**	**4139**

20 DETAILS OF BREAK-DOWNS DURING THE MONTH OF MARCH 2013

SL NO.	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
1	01.03.13	3:25	SUBZI MANDI 220/33kV 100MVA Tx-II	01.03.13	5:32	TR TRIPPED ON O/C,E/F AND 33KV I/C-II TRIPPED ON 86
2	02.03.13	1:21	PARKSTREET 220/33kV 100MVA Tx-I	02.03.13	6:38	33KV I/C -1 TRIPPED ON E/F
3	03.03.13	16:51	220kV BAMNAULI-NAJAFGARH CKT-II	04.03.13	18:49	AT BAMNAULI CKT. TRIPPED ON D/P,A-PH,186 A&B.SPARKING OBSERVED ON R-PH JUMPER OF LA. AT NAJAFGARH CKT. TRIPPED ON D/P Z-1 186
4	03.03.13	18:44	BAMNAULI 400/220kV 315MVA ICT-II	18.03.13	15:11	ICT TRIPPED ON 67B-I O/C,GR-II,A-I,86-B-I,30AH,95A-I/95C,TRIP SUPERVISION RELAY,95B-I/95C,186A&B.Y-PH LA OF ICT DAMAGED.
5	04.03.13	15:50	220KV BAWANA - NAJAFGARH CKT	04.03.13	16:00	CKT. TRIPPED ON 186 AT 22OKV NAJAFGARH.
6	05.03.13	5:14	SARITA VIHAR 66/11kV, 20MVA Tx-II	05.03.13	12:42	11KV I/C TRIPPED ON O/C
7	05.03.13	11:30	NAJAFGARH 66kV 20MVAR CAP. BANK-III	05.03.13	13:40	TRIPPED ON 86, 64RA
8	06.03.13	22:17	OKHLA 220/33kV 100MVA Tx-IV	06.03.13	22:30	33 KV I/C-IV TRIPPED ON O/C, R-PH.
9	06.03.13	22:17	OKHLA 220/33kV 100MVA Tx-III	06.03.13	22:30	33 KV I/C-III TRIPPED ON O/C, R-PH.
10	06.03.13	22:17	OKHLA 33kV EAST OF KAILASH CKT	07.03.13	15:45	CKT TRIPPED ON E/F R & B PH JUMPER OF BUS ISOLATOR SNAPPED. DURING S/D PERIOD 33KV I/C NO III & IV REMAINED OFF DUE TO NON-AVAILABILITY OF BUS SELECTION.50MVA TX. NO-1 IS ALSO OUT SINCE 07.01.13 SO ALL 33KV FEEDERS REMAIN OFF DURING S/D PERIOD.
11	08.03.13	14:23	PARKSTREET 220/33kV 100MVA Tx-II	08.03.13	14:54	66KV I/C-2 TRIPPED ON E/F. MONKEY ELECTROCUTED ON 66KV BUS-2
12	09.03.13	15:09	220kV GOPALPUR-MANDOLACKT-I	09.03.13	19:18	AT GOPALPUR CKT TRIPPED ON D/P. AT MANDOLA CKT TRIPPED ON D/P, R-PH TO N, DIST.-17.97 KM.
13	09.03.13	17:20	220 KV GOPALPUR-WAZIRABAD CKT	09.03.13	18:05	CKT. TRIPPED WITHOUT INDICATION AT WAZIRABAD
14	09.03.13	18:27	220kV BAMNAULI-PAPPANKALAN-I CKT-I	09.03.13	18:32	AT PPK-1 CKT TRIPPED ON D/P,186. NO TRIPPING AT BAMNAULI.
15	09.03.13	18:27	220kV BAMNAULI-PAPPANKALAN-II CKT-II	13.03.13	13:01	AT BAMNAULI CKT TRIPPED ON D/P,B-PH,186 A & B.Y-PH LA OF CKT DAMAGED.NO TRIPPING AT PAPPANKALAN-2.R-PH CT ALSO REPLACED.
16	10.03.13	0:13	220 KV GOPALPUR-WAZIRABAD CKT	10.03.13	15:33	CKT. TRIPPED WITHUT INDICATION AT WAZIRABAD.
17	10.03.13	9:32	220kV GOPALPUR-MANDOLACKT-II	10.03.13	10:00	SPS OPERATED AT MANDOLA.
18	10.03.13	9:32	220kV NARELA - MANDOLA CKT-II	10.03.13	10:08	SPS OPERATED AT MANDOLA.
19	10.03.13	9:32	220kV GOPALPUR-SUBZI MANDI CKT-II	10.03.13	10:01	SPS OPERATED AT MANDOLA.
20	10.03.13	9:32	220kV NARELA - MANDOLA CKT-I	10.03.13	10:08	SPS OPERATED AT MANDOLA.
21	10.03.13	9:32	220kV GOPALPUR-SUBZI MANDI CKT-I	10.03.13	10:01	SPS OPERATED AT MANDOLA.
22	10.03.13	9:32	220kV GOPALPUR-MANDOLACKT-I	10.03.13	9:53	SPS OPERATED AT MANDOLA.
23	10.03.13	10:45	KANJHAWALA 220/66kV 100MVA Tx-II	10.03.13	10:59	66 KV I/C-II TRIPPED ON E/F.
24	10.03.13	18:28	220kV MAHARANIBAGH-MASJID MOTH CKT-II	10.03.13	19:06	AT MAHARANIBAGH CKT TRIPPED ON MAIN-2 PROTECTION. TC-1,Y-PH FAULTY.
25	10.03.13	18:32	MASJID MOTH 220/33kV 100MVA Tx-I	10.03.13	18:51	33KV I/C -I TRIPPED ON O/C AND MASTER RELAY INDICATION.
26	19.03.13	10:36	GAZIPUR 220/66kV 100MVA Tx-II	19.03.13	12:15	TX TRIPPED ON HIGH SPEED RELAY & AUX. TRIP ALONG WITH 220KV BTPS-NOIDA-GAZIPUR CKT.
27	20.03.13	12:25	220kV MEHRAULI - BTPS CKT. - I	20.03.13	18:15	AT MEHRAULI CKT TRIPPED ON D/P,Z-1,DIST-11.24KM AT BTPS CKT TRIPPED ON B-PH,E/F. FIRE REPOTRED NEAR GOVT DISPANCERY SANGAM VIHAR.
28	20.03.13	12:44	220kV MEHRAULI - BTPS CKT. - II	20.03.13	18:15	AT MEHRAULI CKT TRIPPED ON D/P,Z-1,DIST.-11.19KM,186 AT BTPS CKT TRIPPED ON E/F,R-PH,DIST.-6.9KM
29	20.03.13	13:31	220kV GOPALPUR-MANDOLACKT-I	20.03.13	13:35	AT MDL CKT TRIPPED ON D/P,R-PH,Z-1 AND AT GOPALPUR CKT TRIPPED ON D/P,Z-1,DIST-0.4KM,O/C,E/F,R&Y-PH
30	21.03.13	22:29	220KV WAZIRABAD - MANDOLA CKT-I	21.03.13	23:18	AT WZB CKT TRIPPED ON D/P,Z-1,DIST-0.8KM AT MDL CKT TRIPPED ON D/P,R-PH,DIST-12.38KM

SL NO.	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
31	25.03.13	0:45	220kV BAMNAULI-NARAINA CKT-I	25.03.13	1:05	AT BAMNAULI CKT TRIPPED ON D/P,A-PH,186A&B NO TRIPPING AT NARAYANA.
32	25.03.13	3:32	220kV DIAL- MEHRAULI CKT-II	25.03.13	10:36	AT DIAL CKT TRIPPED ON O/C,R,Y&B-PH. AT MEHRAULI CKT TRIPPED ON 186.
33	26.03.13	23:03	220kV BAMNAULI-PAPPANKALAN-I CKT-I	26.03.13	23:47	AT BAMNAULI CKT TRIPPED ON 186,D/P. NO TRIPPING AT PPK-1.
34	29.03.13	9:58	SARITA VIHAR 66/11kV, 20MVA Tx-I	29.03.13	13:00	TX TRIPPED ON 30D,OLTC BUCHHOLZ ALARM,86
35	31.03.13	16:56	220kV BAMNAULI-PAPPANKALAN-I CKT-I	31.03.13	17:14	AT BAMNAULI CKT TRIPPED ON D/P,B-PH,186A,B. NO TRIPPING AT PPK-1.
36	31.03.13	16:56	PAPPANKALAN-I 220/66kV 100MVA Tx-I	31.03.13	19:58	TX TRIPPED ON DIFFERENTIAL,86D,33REF.

20 DETAILS OF UNDER FREQUENCY RELAY OPERATIONS IN DELHI POWER SYSTEM DURING THE MONTH OF MARCH 2013

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