DELHI TRANSCO LTD.

STATE LOAD DISPATCH CENTER

PROGRESS REPORT

****

OCTOBER 2012

1 SALIENT FEATURES OF DELHI POWER SYSTEM

Sr. No.	Features	OCTOBER 2012	OCTOBER 2011
1	**Effective Generation Capacity within Delhi in MW**		
	Rajghat Power House	135	135
	Gas Turbine	270	270
	Pragati Power Corporation Ltd.	330	330
	Badapur Thermal Power Station	705	705
	Rithala GT	108	73
	Total	1548	1513
2	**Maximum Unrestricted Demand (MW)**	**3995**	**3991**
	Date	04.10.2012	01.10.2011
	Time	18.52.37	19.20.56
3	**Peak Demand met (MW)**	**3995**	**3919**
	Date	04.10.2012	05.10.2011
	Time	18.52.37	18.51.07
4	Peak Availability (MW)	4378	4045
5	Shortage (-) / Surplus (+) in MW	(+)383	(+)126
6	Percentage Shortage (-) / Surplus (+)	(+)9.59	(+)3.16
7	Maximum Energy Consume in a day (Mus)	74.775	77.204
8	Energy Consumed during the month	**1961.688**	**2029.333**
9	**Load Shedding in Mus**		
A)	Due to Grid Restrictions		
i)	Under Frequency Relay Operations	0.007	2.961
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	0.531	7.354
	BRPL	0.452	17.186
	BYPL	0.218	5.112
	NDMC	0.000	0.182
	MES	0.000	0.000
iv)	Due to transmission Constraints in Central Sector	0.000	0.000
	Total due to Grid Restriction	**1.208**	**32.795**
B)	Due to Constraints in System in Mus		
	DTL	0.691	0.331
	NDPL	0.929	0.317
	BRPL	0.229	0.133
	BYPL	0.134	0.397
	NDMC	0.000	0.000
	MES	0.000	0.000
	Other Agencies	0.021	0.054
	Total	**2.004**	**1.232**
11	**Grand Total in Mus**	**3.212**	**34.026**

2. PERFORMANCE OF GENERATING STATIONS WITHIN DELHI DURING OCTOBER 2012

A) For the month of OCTOBER 2012

All Figures in MUs

S. No	Stations	Gross Generation	Aux. Consumption	Net Generation	Availability (%)	Backing Down
1.	**RPH**	79.743	10.010	69.733	81.09	1.868
2.	**GT**	88.778	2.507	86.271	80.42	70.825
3.	**PPCL**	219.187	5.477	213.710	95.13	13.561
4.	**BTPS**	406.268	36.495	369.773	96.54	83.879
5.	**Rithala**	10.730	0.670	10.060	26.25	8.716
6.	**Bawana**	124.995	4.868	120.127	89.98	241.620
	TOTAL	**929.701**	**60.027**	**869.674**	--	**420.469**

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

Power Station	Effective Capacity (MW)	Net Generation in MUs For Oct 2012	Availability (%) For Oct 2012	PLF (%) For Oct 2012	Cumulative Generation in MUs upto Oct 2012 for the year 2012-13	Cumulative Availability in % upto Oct 2012 for the year 2012-13	Cumulative PLF in % upto Oct 2012 for the year 2012-13
RPH	135	69.733	81.09	78.99	379.103	63.04	61.87
GT	270	86.271	80.42	44.07	815.444	81.52	60.43
PPCL	330	213.710	95.13	89.44	1371.88	86.12	83.52
BTPS	705	369.773	96.54	80.20	2454.106	86.65	76.40
Rithala	108	10.060	26.25	14.30	112.952	--	--
Bawana	**677**	120.127	89.98	30.06	730.499	80.67	31.72
TOTAL	**2225**	**869.674**	--	--	**5863.984**	--	--

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	Unit tripped due to grid disturbance.
		11.04.12	5.50	11.04.12	6.30	Flame failure.
		11.04.12	6.55	11.04.12	7.40	Flame failure.
		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 trpped on aux. supply failure due to Stn.-1 tripped.
		07.06.12	10.40	07.06.12	11.10	Unit trpped on aux. supply failure due to Stn.-1 tripped.
		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 Plenned Outage as capital O/H w.e.f. 18/07/2012 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 boier tube leakage.
		08.10.12	1.15	10.10.12	7.30	Unit desynchronised to attend the boier tube leakage.
		27.10.12	10.20	27.10.12	12.20	Unit tripped due to grid disterbance, total dark out.
		27.10.12	14.00	27.10.12	14.50	Unit tripped due to grid disterbance, total dark out.
		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	Turbine trip.

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 pr. & 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	Unit tripped due to grid disturbance.
		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 trpped 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 pr. very high.
		17.07.12	12.05	17.07.12	13.45	Furnace pr. very high.
		20.07.12	4.45	20.07.12	5.45	Furnace pr. high.
		22.07.12	10.10	22.07.12	11.05	Turbine vibration high.
		22.07.12	12.00	22.07.12	12.35	Turbine vibration high.
		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	Grid failure, Total dark out.
		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 pr. very high.
		30.08.12	9.05	30.08.12	10.10	Furnace pr. very high.
		30.08.12	15.35	30.08.12	16.25	Furnace pr. very high.
		30.08.12	20.35	30.08.12	21.30	Furnace pr. very high.
		04.09.12	13.40	09.09.12	12.00	Unit desynchronised to attend the boier tube leakage.
		18.09.12	18.15	18.09.12	19.05	Furnace pr. very high.
		25.09.12	5.20	27.09.12	11.15	Unit desynchronised to attend the boier 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 disterbance, total dark out.
		27.10.12	14.00	27.10.12	15.00	Unit tripped due to grid disterbance, total dark out.
		30.10.12	7.40	30.10.12	10.20	Unit tripped due to Monkey jumped in yard, Bay No. 10 to 22 tripped.

(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 Trfs. tripped on relay 86X.
		08.04.12	17.00	08.04.12	18.05	Machine tripped due to jerk observed in C/R.160MVA Trf. 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 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.
		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	31.10.12	23.59	Stopped due to low demand and high frequency

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
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	

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 Exciatation
		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	

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 measurment 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	
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 trouable normal shut down. Machine inspected and Alternate DC supply provided but Diesel engine did not started.M-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 Temperaure 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	31.10.12	23.59	

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 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.
		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	31.10.12	23.59	

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

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 Generater transformer standby earth fault 64SGT relay. It is expected that this relay operated due to atmoshpheric 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
		28.09.12	20.55	30.09.12	23.59	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	

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. Buch-Holtz 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 Generater transformer standby earth fault 64SGT relay. It is expected that this relay operated due to atmoshpheric 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 ejecter 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	30.11.12	23.59	Shutdown for majour overhauling

(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	
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	

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	

(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	Grid Disturbance
		10-08-12	12:08	10-08-12	13:25	Control Supply Cable fault
		12-08-12	11:57	12-08-12	14:20	Control Supply Cable fault
		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	Furnace Disturbance
		14-10-12	6:32	14-10-12	7:12	Furnace Disturbance
		23-10-12	16:54	29-10-12	9:00	Reserve shutdown
		29-10-12	9:00	contd.		Planned shutdown
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	Grid Disturbance
		31-07-12	13:01	31-07-12	17:05	Grid Disturbance
		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	Reserve shutdown
		16-10-12	23:05	16-10-12	23:54	Furnace Disturbance

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	Furnace Disturbance
		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	Grid Disturbance
		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	Furnace Disturbance
		10-08-12	7:15	10-08-12	8:15	Furnace Disturbance
		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	Furnace Disturbance
		20-10-12	9:36	20-10-12	10:15	Furnace Disturbance
		21-10-12	8:27	29-10-12	6:43	Reserve shutdown
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	Grid Disturbance
		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	Furnace Disturbance
		23-08-12	9:37	23-08-12	13:45	Furnace Disturbance
		25-08-12	23:18	26-08-12	0:48	Furnace Disturbance
		18-09-12	2:05	18-09-12	4:05	Furnace Disturbance
		18-09-12	4:05	18-09-12	14:35	Control Supply Cable fault

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	Grid Disturbance
		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	Water wall Tube Leakage

4 ALLOCATION OF POWER TO DELHI

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

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

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

5 ALLOCATION OF POWER TO DISCOMS

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

(Allocation In %)

(A) 10.00hrs. to 17.00hrs.

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

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

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

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

All figures in MW

Date	Time of peak demand	Generation within Delhi							Import from the Grid	Schedule from the Grid	OD(-) / UD(+)	Demand met	Shedding	Un-Restricted Demand
		RPH	GT	PPCL	Rithala	Bawana	BTPS	Total						
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)= (3) to (8)	(10)	(11)	(12)= (11) - (10)	(13)= (11)+ (12)	(14)	(15)= (13)+ (14)
1	18.57.22	109	159	293	21	296	462	1340	2506	2610	-104	3846	0	3846
2	22.35.11	112	118	290	0	220	500	1240	2171	2116	55	3411	0	3411
3	18.44.17	106	197	286	0	309	387	1285	2646	2765	-119	3931	4	3935
4	18.52.37	105	153	266	22	293	578	1417	2578	2961	-383	3995	0	3995
5	18.30.00	104	155	293	21	293	605	1471	2474	2514	-40	3945	0	3945
6	19.16.38	99	158	298	21	-6	601	1171	2517	2309	208	3688	0	3688
7	19.17.08	107	116	292	0	219	482	1216	2200	2227	-27	3416	0	3416
8	18.55.05	48	75	288	0	291	488	1190	2517	2754	-237	3707	22	3729
9	18.57.20	56	74	297	21	222	529	1199	2433	2602	-169	3632	0	3632
10	18.49.27	106	75	298	21	289	601	1390	2355	2466	-111	3745	0	3745
11	18.35.56	100	75	298	21	248	598	1340	2459	2592	-133	3799	0	3799
12	18.53.46	103	77	297	36	299	572	1384	2437	2472	-35	3821	0	3821
13	19.08.02	105	76	295	0	267	269	1012	2580	2661	-81	3592	0	3592
14	19.36.43	98	74	294	0	221	522	1209	2225	2192	33	3434	0	3434
15	18.49.24	105	131	297	20	33	599	1185	2542	2636	-94	3727	5	3732
16	18.48.19	108	158	302	20	226	530	1344	2203	2352	-149	3547	10	3557
17	18.44.03	111	157	300	20	226	506	1320	2267	2208	59	3587	49	3636
18	18.07.17	53	153	297	22	205	534	1264	2358	2110	248	3622	0	3622
19	18.32.18	108	159	304	39	-8	583	1185	2416	2513	-97	3601	21	3622
20	18.33.34	105	157	193	0	0	586	1041	2372	2440	-68	3413	0	3413
21	18.46.00	104	158	265	0	-4	433	956	2167	2349	-182	3123	0	3123
22	18.29.28	107	156	297	20	120	417	1117	2323	2566	-243	3440	0	3440
23	18.21.54	97	83	263	21	222	359	1045	2142	2289	-147	3187	0	3187
24	11.07.24	55	83	260	0	222	361	981	1469	1636	-167	2450	0	2450
25	18.46.20	108	83	308	0	-3	431	927	2188	2192	-4	3115	0	3115
26	18.34.27	112	91	323	0	0	404	930	2233	2250	-17	3163	0	3163
27	18.51.40	110	45	167	0	0	371	693	2115	2247	-132	2808	3	2811
28	18.23.26	110	83	307	0	0	439	939	1805	1851	-46	2744	8	2752
29	18.32.30	111	120	307	83	275	527	1423	1676	1798	-122	3099	0	3099
30	18.30.02	115	119	275	21	226	446	1202	1947	1905	42	3149	0	3149
31	18.25.00	113	119	285	21	227	434	1199	2002	2152	-150	3201	0	3201

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

Date	Time of peak demand	Generation within Delhi							Import from the Grid	Schedule from the Grid	OD(-) / UD(+)	Demand met	Shedding	Un-Restricted Demand
		RPH	GT	PPCL	Rithala	Bawana	BTPS	Total						
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)= (3) to (8)	(10)	(11)	(12)= (11) - (10)	(13)= (11)+ (12)	(14)	(15)= (13)+ (14)
1	18.57.22	109	159	293	21	296	462	1340	2506	2610	-104	3846	0	3846
2	22.35.11	112	118	290	0	220	500	1240	2171	2116	55	3411	0	3411
3	18.44.17	106	197	286	0	309	387	1285	2646	2765	-119	3931	4	3935
4	18.52.37	105	153	266	22	293	578	1417	2578	2961	-383	3995	0	3995
5	18.30.00	104	155	293	21	293	605	1471	2474	2514	-40	3945	0	3945
6	19.16.38	99	158	298	21	-6	601	1171	2517	2309	208	3688	0	3688
7	19.17.08	107	116	292	0	219	482	1216	2200	2227	-27	3416	0	3416
8	18.55.05	48	75	288	0	291	488	1190	2517	2754	-237	3707	22	3729
9	18.57.20	56	74	297	21	222	529	1199	2433	2602	-169	3632	0	3632
10	18.49.27	106	75	298	21	289	601	1390	2355	2466	-111	3745	0	3745
11	18.35.56	100	75	298	21	248	598	1340	2459	2592	-133	3799	0	3799
12	18.53.46	103	77	297	36	299	572	1384	2437	2472	-35	3821	0	3821
13	19.08.02	105	76	295	0	267	269	1012	2580	2661	-81	3592	0	3592
14	19.36.43	98	74	294	0	221	522	1209	2225	2192	33	3434	0	3434
15	18.49.24	105	131	297	20	33	599	1185	2542	2636	-94	3727	5	3732
16	18.48.19	108	158	302	20	226	530	1344	2203	2352	-149	3547	10	3557
17	18.44.03	111	157	300	20	226	506	1320	2267	2208	59	3587	49	3636
18	18.07.17	53	153	297	22	205	534	1264	2358	2110	248	3622	0	3622
19	18.32.18	108	159	304	39	-8	583	1185	2416	2513	-97	3601	21	3622
20	18.33.34	105	157	193	0	0	586	1041	2372	2440	-68	3413	0	3413
21	18.46.00	104	158	265	0	-4	433	956	2167	2349	-182	3123	0	3123
22	18.29.28	107	156	297	20	120	417	1117	2323	2566	-243	3440	0	3440
23	18.21.54	97	83	263	21	222	359	1045	2142	2289	-147	3187	0	3187
24	11.07.24	55	83	260	0	222	361	981	1469	1636	-167	2450	0	2450
25	18.46.20	108	83	308	0	-3	431	927	2188	2192	-4	3115	0	3115
26	18.34.27	112	91	323	0	0	404	930	2233	2250	-17	3163	0	3163
27	18.00.00	110	45	167	0	0	379	701	2023	1894	129	2724	163	2887
28	18.23.26	110	83	307	0	0	439	939	1805	1851	-46	2744	8	2752
29	18.32.30	111	120	307	83	275	527	1423	1676	1798	-122	3099	0	3099
30	18.30.02	115	119	275	21	226	446	1202	1947	1905	42	3149	0	3149
31	18.25.00	113	119	285	21	227	434	1199	2002	2152	-150	3201	0	3201

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

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

A (i) RPH	79.743
(ii) GT+STG	88.778
(iii) PRAGATI	219.187
(iv) RITHALA	10.730
(v) BAWANA CCGT	124.995
TOTAL	523.433
B) AVAILABILITY FROM BTPS	369.773
C) AUXILIARY CONSUMPTION OF GENERATING STNs. EXCLUDING BTPS	23.532
D) NET GENERATION AVAILABLE WITHIN DELHI(A+B-C)	**869.674**

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	3.527	3.430	1.990	1.935
SALAL	21.931	21.329	12.373	12.034
TANKAPUR	7.366	7.163	4.156	4.042
CHAMERA	8.716	8.476	4.917	4.782
CHAMERA -II	11.255	10.946	6.350	6.175
CHAMERA -III	7.164	6.966	7.164	6.966
DHAULIGANGA	10.328	10.044	5.829	5.668
SEWA -2	2.548	2.479	1.437	1.398
URI	19.199	18.674	10.832	10.536
KOTESHWAR	5.253	5.108	5.253	5.108
MUNDRA_UMPP	0.000	0.000	0.000	0.000
ANTA (GAS)	15.643	15.207	6.985	6.791
ANTA (RLNG)	15.594	15.163	0.000	0.000
ANTA (LIQUID)	0.000	0.000	0.000	0.000
DADRI (GAS)	37.913	36.857	16.459	16.004
DADRI (RLNG)	27.608	26.845	0.003	0.003
DADRI (LIQUID)	0.000	0.000	0.000	0.000
AURAIYA (GAS)	16.794	16.327	7.095	6.899
AURAIYA (RLNG)	26.215	25.480	0.000	0.000
AURAIYA (LIQUID)	0.000	0.000	0.000	0.000
SINGRAULI	89.651	87.150	88.053	85.598
RIHAND -I	61.080	59.381	59.666	58.008
RIHAND -II	90.583	88.070	88.822	86.360
UNCHAHAR-I	17.071	16.597	15.291	14.869
UNCHAHAR-II	33.449	32.521	30.252	29.416
UNCHAHAR-III	20.700	20.126	18.687	18.171
DADRI (TH)	527.632	512.986	470.452	457.402
DADRI (TH) STAGE-II	287.262	279.262	277.465	269.742
NAPP	21.503	20.906	21.503	20.906
RAPP 'B'	0.000	0.000	0.000	0.000
RAPP 'C'	40.564	39.437	40.564	39.437
NATHPA JHAKRI	38.800	37.731	38.800	37.731
DULASTI	24.096	23.434	13.595	13.221
TEHRI	16.551	16.094	16.551	16.094
JHAJJAR	148.238	144.151	14.116	13.731
KHELGAON	31.193	30.326	28.183	27.400
KHELGAON-II	75.792	73.684	72.873	70.848
FARAKA	8.858	8.612	7.862	7.645
TALA	11.351	11.040	11.351	11.040
TALCHER	0.000	0.000	0.000	0.000
DVC	168.672	166.553	166.553	161.932
CHATTISHGARH	0.000	0.000	0.000	0.000
ANDHRA	0.000	0.000	0.000	0.000
DVC TATA STEEL	0.000	0.000	0.000	0.000
DVC CTPS (BRPL)	23.670	23.371	23.371	22.737
DVC CTPS (BYPL)	14.792	14.605	14.605	14.209
DVC CTPS (NDPL)	0.000	0.000	0.000	0.000

METHON POWER(NDPL)LT-06	182.255	179.962	179.962	174.967
DVC MEJIA (LT-08)(BYPL)	86.473	85.386	85.386	83.017
ORISSA	0.000	0.000	0.000	0.000
SIKKIM	0.000	0.000	0.000	0.000
HIMACHAL PRADESH	0.000	0.000	0.000	0.000
WEST BENGAL	0.000	0.000	0.000	0.000
MADHYA PRADESH(WR)	0.000	0.000	0.000	0.000
JAMMU & KASHMIR	0.000	0.000	0.000	0.000
DVC (FOR NDPL) LT-09	23.364	23.072	23.072	22.431
HARYANA (LT-05)	23.061	22.770	22.770	22.144
KARNATAKA	0.000	0.000	0.000	0.000
URS	0.000	0.000	0.000	0.000
UTTRANCHAL	0.000	0.000	0.000	0.000
NAGALAND	0.000	0.000	0.000	0.000
TO UTTAR PRADESH	-78.454	-79.609	-79.609	-81.854
TO CHANDIGARH	-7.991	-8.085	-8.085	-8.314
TO WEST BENGAL	-17.048	-17.215	-17.215	-17.694
TO MADHYA PRADESH	-5.819	-5.902	-5.902	-6.072
TO JAMMU & KASHMIR	-46.783	-47.378	-47.378	-48.804
TO MAHARASHTRA	-18.291	-18.603	-18.603	-19.143
TO RAJASTHAN	-0.448	-0.453	-0.453	-0.465
TO TAMILNADU	-1.196	-1.215	-1.215	-1.250
TO KERALA	-2.567	-2.613	-2.613	-2.688
TO PUNJAB	-6.537	-6.612	-6.612	-6.797
POWER EXCHANGE(IEX)	1.690	1.645	1.690	1.645
TO POWER EXCHANGE (IEX)	-322.264	-331.630	-322.264	-331.630
POWRER EXCHANGE(PX)	0.000	0.000	0.000	0.000
TO POWER EXCHANGE (PX)	-1.104	-1.134	-1.104	-1.134
TO SHARE PROJECT (HARYANA)	-14.380	-14.765	-14.380	-14.765
TO SHARE PROJECT (PUNJAB)	-6.901	-7.087	-6.901	-7.087
TOTAL	**1775.622**	**1707.067**	**1390.005**	**1321.344**

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	1267.196	1231.972	1079.230	1049.261
NTPC - ER	115.843	112.622	108.919	105.894
NHPC	116.131	112.942	68.643	66.757
NPC	62.066	60.343	62.066	60.343
KOTESHWAR	5.253	5.108	5.253	5.108
MUNDRA_UMPP	0.000	0.000	0.000	0.000
NATHPA JHAKRI	38.800	37.731	38.800	37.731
TEHRI	16.551	16.094	16.551	16.094
TALA	11.351	11.040	11.351	11.040
JHAJJAR	148.238	144.151	14.116	13.731
TALCHER	0.000	0.000	0.000	0.000
DVC	168.672	166.553	166.553	161.932
CHATTISHGARH	0.000	0.000	0.000	0.000
ANDHRA	0.000	0.000	0.000	0.000
DVC TATA STEEL	0.000	0.000	0.000	0.000
DVC CTPS (BRPL)	23.670	23.371	23.371	22.737
DVC CTPS (BYPL)	14.792	14.605	14.605	14.209
DVC CTPS (NDPL)	0.000	0.000	0.000	0.000
METHON POWER (NDPL)-LT-06	182.255	179.962	179.962	174.967
DVC MEJIA (LT-08)(BYPL)	86.473	85.386	85.386	83.017
ORISSA	0.000	0.000	0.000	0.000
MADHYA PRADESH(WR)	0.000	0.000	0.000	0.000
JAMMU & KASHMIR	0.000	0.000	0.000	0.000
DVC (FOR NDPL) LT-09	23.364	23.072	23.072	22.431
HARYANA (LT -05)	23.061	22.770	22.770	22.144
KARNATAKA	0.000	0.000	0.000	0.000
URS	0.000	0.000	0.000	0.000
UTTRANCHAL	0.000	0.000	0.000	0.000
NAGALAND	0.000	0.000	0.000	0.000
POWER EXCHANGE(IEX)	1.690	1.645	1.690	1.645
POWER EXCHANGE(PX)	0.000	0.000	0.000	0.000
TOTAL	**2305.405**	**2249.367**	**1922.339**	**1869.040**

D) AGENCY WISE BREAKUP OF ENERGY SCHEDULED BY NRLDC FOR EXPORT TO OTHER UTILITIES FROM DTL

NAME OF THE STATION	AVAILABILITY AT POWER PLANT	AVAILABILITY AT PERIPHERY	ALLOCATION MADE BY NRLDC AT POWER PLANT	ALLOCATION MADE BY NRLDC AT POWER PERIPHERY
TO UTTAR PRADESH	-78.454	-79.609	-79.609	-81.854
TO CHANDIGARH	-7.991	-8.085	-8.085	-8.314
TO MADHYA PRADESH	-5.819	-5.902	-5.902	-6.072
TO WEST BENGAL	-17.048	-17.215	-17.215	-17.694
TO JAMMU & KASHMIR	-46.783	-47.378	-47.378	-48.804
TO MAHARASHTRA	-18.291	-18.603	-18.603	-19.143
TO RAJASTHAN	-0.448	-0.453	-0.453	-0.465
TO TAMILNADU	-1.196	-1.215	-1.215	-1.250
TO KERALA	-2.567	-2.613	-2.613	-2.688
TO PUNJAB	-6.537	-6.612	-6.612	-6.797
TO POWER EXCHANGE (IEX)	-322.264	-331.630	-322.264	-331.630
TO POWER EXCHANGE (PX)	-1.104	-1.134	-1.104	-1.134
TO SHARE PROJECT (HARYANA)	-14.380	-14.765	-14.380	-14.765
TO SHARE PROJECT (PUNJAB)	-6.901	-7.087	-6.901	-7.087
TOTAL	**-529.783**	**-542.300**	**-532.334**	**-547.697**
TOTAL SCHEDULED DRAWAL FROM THE GRID	**1775.622**	**1707.067**	**1390.005**	**1321.344**
TOTAL CONSUMPTION INCLUDING AUX. OF GENERATING STNs. EXCLUDING BTPS				1985.220
NET CONSUMPTION				1961.688
AVAILABILITY WITHIN DELHI				869.674
ACTUAL DRAWAL FROM THE GRID				1092.014
OVER DRAWAL(+)/UNDER DRAWAL(-) FROM THE GRID ON THE BASIS OF SCHEDULED ALLOCATION MADE BY NRLDC TO DELHI AT PERIPHERY				-229.330
LOAD SHEDDING				**3.212**
UNRESTRICTED DEMAND (GROSS)				**1988.432**
UNRESTRICTED DEMAND (NET)				**1964.900**
MAX. NET CONSUMPTION				74.775Mus. ON 01.10.2012
MAX. LOAD SHEDDING				334MW ON 31.10.2012 AT 12.57HRS.
PEAK LOAD	Peak Demand during the month			SHEDDING AT PEAK TIME
DAY PEAK	3857MW AT 15.30.00HRS ON 04.10.2012			NIL
EVENING PEAK	3995MW AT 18.52.37HRS ON 04.10.2012			NIL
P.L.F. OF GENCO AND PRAGATI STNs.	RPH			79.39%
	GT			44.19%
	PRAGATI			89.27%
	RITHALA			13.35%
	BAWANA			24.56%

9 SHEDDING DETAILS DURING THE MONTH OF OCTOBER 2012.

ALL FIGURES IN MUs

DATE	No. of Under Freq. Relay Operated	Shedding due to under frequency relay operation in MUs					Shedding due to Grid Restrictions (Over drawal / low freq.)			
		BSES		NDPL	NDMC	TOTAL	BSES		NDPL	NDMC
		BYPL	BRPL				BYPL	BRPL		
1	2	3	4	5	6	7=3 to 6	8	9	10	11
1-Oct-12	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
2- Oct-12	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
3- Oct-12	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
4-Oct-12	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.024	0.001	0.000
5- Oct-12	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
6- Oct-12	0	0.000	0.000	0.000	0.000	**0.000**	0.007	0.021	0.000	0.000
7- Oct-12	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
8-Oct-12	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.002	0.000
9- Oct-12	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.008	0.000
10-Oct-12	0	0.000	0.000	0.000	0.000	**0.000**	0.044	0.054	0.007	0.000
11-Oct-12	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
12-Oct-12	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
13-Oct-12	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.015	0.000
14-Oct-12	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
15-Oct-12	0	0.000	0.000	0.000	0.000	**0.000**	0.060	0.113	0.072	0.000
16-Oct-12	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
17-Oct-12	0	0.000	0.000	0.000	0.000	**0.000**	0.038	0.029	0.062	0.000
18-Oct-12	0	0.000	0.000	0.000	0.000	**0.000**	0.003	0.006	0.000	0.000
19-Oct-12	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.032	0.000
20-Oct-12	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.030	0.000
21-Oct-12	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
22-Oct-12	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
23-Oct-12	6	0.007	0.000	0.000	0.000	**0.007**	0.000	0.000	0.000	0.000
24-Oct-12	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
25-Oct-12	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
26-Oct-12	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
27-Oct-12	0	0.000	0.000	0.000	0.000	**0.000**	0.015	0.089	0.115	0.000
28-Oct-12	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
29-Oct-12	0	0.000	0.000	0.000	0.000	**0.000**	0.033	0.063	0.077	0.000
30-Oct-12	0	0.000	0.000	0.000	0.000	**0.000**	0.018	0.053	0.110	0.000
31-Oct-12	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
TOTAL	**6**	**0.007**	**0.000**	**0.000**	**0.000**	**0.007**	**0.218**	**0.452**	**0.531**	**0.000**

ALL FIGURES IN MUs

Date	Shedding due to Transmission/Grid Constraints in Central Sector Stations / TTC / ATC VOILATION				TOTAL	TOTAL SHEDDING DUE TO GRID RESTRICTIONS	Due to T&D Constraints				
							DTL				
	BSES		NDPL	NDMC			BSES		NDPL	NDMC	MES
	BYPL	BRPL					BYPL	BRPL			
1	12	13	14	15	16=8to15	17=16+7	18	19	20	21	22
1-Oct-12	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
2- Oct-12	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.026	0.000	0.000	0.000
3- Oct-12	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
4-Oct-12	0.000	0.000	0.000	0.000	**0.025**	**0.025**	0.000	0.000	0.000	0.000	0.000
5- Oct-12	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
6- Oct-12	0.000	0.000	0.000	0.000	**0.028**	**0.028**	0.000	0.000	0.000	0.000	0.000
7- Oct-12	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
8-Oct-12	0.000	0.000	0.000	0.000	**0.002**	**0.002**	0.000	0.000	0.000	0.000	0.000
9- Oct-12	0.000	0.000	0.000	0.000	**0.008**	**0.008**	0.000	0.000	0.063	0.000	0.000
10-Oct-12	0.000	0.000	0.000	0.000	**0.105**	**0.105**	0.000	0.000	0.000	0.000	0.000
11-Oct-12	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
12-Oct-12	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
13-Oct-12	0.000	0.000	0.000	0.000	**0.015**	**0.015**	0.000	0.000	0.000	0.000	0.000
14-Oct-12	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
15-Oct-12	0.000	0.000	0.000	0.000	**0.245**	**0.245**	0.006	0.000	0.000	0.000	0.000
16-Oct-12	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.153	0.000	0.000	0.000
17-Oct-12	0.000	0.000	0.000	0.000	**0.129**	**0.129**	0.000	0.197	0.000	0.000	0.000
18-Oct-12	0.000	0.000	0.000	0.000	**0.009**	**0.009**	0.045	0.000	0.000	0.000	0.000
19-Oct-12	0.000	0.000	0.000	0.000	**0.032**	**0.032**	0.042	0.000	0.000	0.000	0.000
20-Oct-12	0.000	0.000	0.000	0.000	**0.030**	**0.030**	0.000	0.000	0.000	0.000	0.000
21-Oct-12	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
22-Oct-12	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.005	0.000	0.000
23-Oct-12	0.000	0.000	0.000	0.000	**0.000**	**0.007**	0.007	0.000	0.000	0.000	0.000
24-Oct-12	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
25-Oct-12	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
26-Oct-12	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.004	0.000	0.000
27-Oct-12	0.000	0.000	0.000	0.000	**0.219**	**0.219**	0.011	0.011	0.000	0.005	0.000
28-Oct-12	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
29-Oct-12	0.000	0.000	0.000	0.000	**0.173**	**0.173**	0.000	0.000	0.000	0.000	0.000
30-Oct-12	0.000	0.000	0.000	0.000	**0.181**	**0.181**	0.000	0.000	0.000	0.000	0.000
31-Oct-12	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.019	0.071	0.019	0.007	0.000
	0.000	**0.000**	**0.000**	**0.000**	**1.201**	**1.208**	**0.130**	**0.458**	**0.091**	**0.012**	**0.000**

ALL FIGURES IN MUs

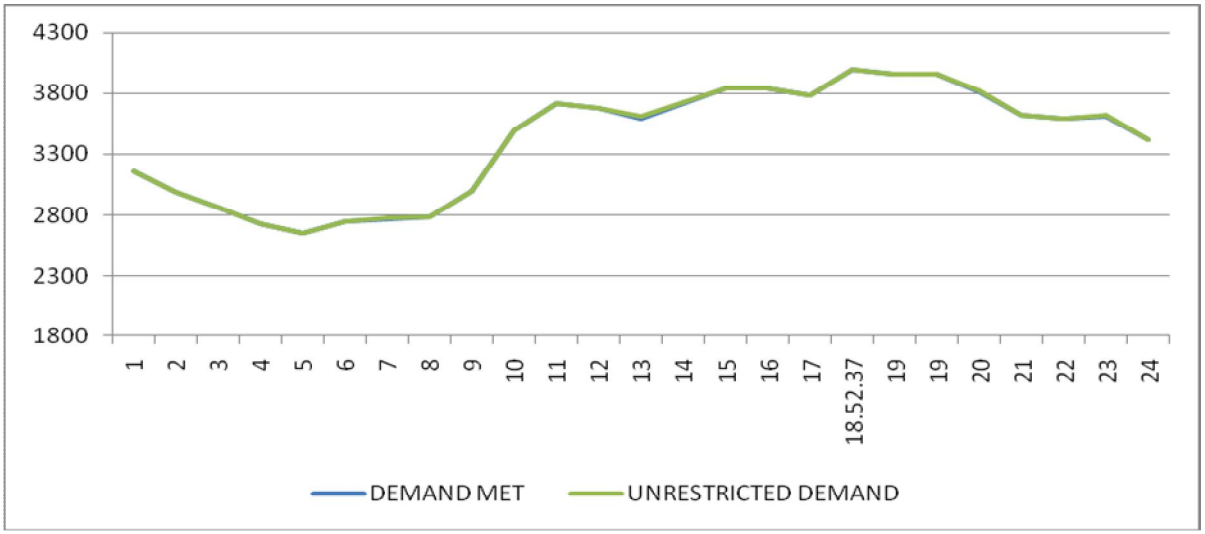
DATE	DUE TO T&D CONTRAINTS				OTHER AGENCIES LIKE GENCO, BBMB, BTPS ETC.	THEFT PRONE SHEDDING			TOTAL SHEDDING DUE TO T&D CONSTS. & THEFT PRONE	GRAND TOTAL
	DISCOMS									
	BSES		NDPL	NDMC		BSES		NDPL		
	BYPL	BRPL				BYPL	BRPL			
1	23	24	25		26	27	28	29	30=18 to29	31=30+17
1-Oct-12	0.006	0.017	0.002	0.000	0.000	0.000	0.000	0.029	**0.054**	**0.054**
2- Oct-12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.029	**0.055**	**0.055**
3- Oct-12	0.000	0.019	0.002	0.000	0.000	0.000	0.000	0.028	**0.049**	**0.049**
4-Oct-12	0.009	0.004	0.007	0.000	0.000	0.000	0.000	0.032	**0.052**	**0.077**
5- Oct-12	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.016	**0.017**	**0.017**
6- Oct-12	0.000	0.005	0.000	0.000	0.000	0.000	0.000	0.020	**0.025**	**0.053**
7- Oct-12	0.003	0.000	0.013	0.000	0.000	0.000	0.000	0.012	**0.028**	**0.028**
8-Oct-12	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.023	**0.033**	**0.035**
9- Oct-12	0.000	0.011	0.001	0.000	0.000	0.000	0.000	0.027	**0.102**	**0.110**
10-Oct-12	0.000	0.019	0.000	0.000	0.000	0.000	0.000	0.021	**0.040**	**0.145**
11-Oct-12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**	**0.000**
12-Oct-12	0.002	0.048	0.000	0.000	0.000	0.000	0.000	0.000	**0.050**	**0.050**
13-Oct-12	0.000	0.000	0.038	0.000	0.000	0.000	0.000	0.042	**0.080**	**0.095**
14-Oct-12	0.000	0.002	0.000	0.000	0.008	0.000	0.000	0.000	**0.010**	**0.010**
15-Oct-12	0.000	0.038	0.000	0.000	0.009	0.000	0.000	0.016	**0.069**	**0.314**
16-Oct-12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.015	**0.168**	**0.168**
17-Oct-12	0.015	0.000	0.001	0.000	0.000	0.000	0.000	0.078	**0.291**	**0.420**
18-Oct-12	0.016	0.000	0.000	0.000	0.000	0.000	0.000	0.021	**0.082**	**0.091**
19-Oct-12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.021	**0.063**	**0.095**
20-Oct-12	0.003	0.009	0.001	0.000	0.000	0.000	0.000	0.010	**0.023**	**0.053**
21-Oct-12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.028	**0.028**	**0.028**
22-Oct-12	0.013	0.000	0.005	0.000	0.000	0.000	0.000	0.041	**0.064**	**0.064**
23-Oct-12	0.017	0.013	0.009	0.000	0.000	0.000	0.000	0.023	**0.069**	**0.076**
24-Oct-12	0.000	0.000	0.0002	0.000	0.000	0.000	0.000	0.000	**0.000**	**0.0002**
25-Oct-12	0.000	0.002	0.000	0.000	0.000	0.000	0.000	0.012	**0.014**	**0.014**
26-Oct-12	0.030	0.013	0.004	0.000	0.000	0.000	0.000	0.037	**0.088**	**0.088**
27-Oct-12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.053	**0.080**	**0.299**
28-Oct-12	0.008	0.010	0.008	0.000	0.000	0.000	0.000	0.068	**0.094**	**0.094**
29-Oct-12	0.002	0.003	0.000	0.000	0.000	0.000	0.000	0.036	**0.041**	**0.214**
30-Oct-12	0.005	0.000	0.000	0.000	0.004	0.000	0.000	0.080	**0.089**	**0.270**
31-Oct-12	0.004	0.006	0.001	0.000	0.000	0.000	0.000	0.019	**0.146**	**0.146**
Total	**0.134**	**0.229**	**0.092**	**0.000**	**0.021**	**0.000**	**0.000**	**0.837**	**2.004**	**3.212**

DATE	(NET CONS.)	MAXI. DEMAND MET DURING THE DAY	TIME OF OCCUR-RENCE OF MAX DEMAND	SHEDDING AT THIS TIME	UN-REST-RICTED DEMAND	MAXIMUM UN-REST-RICTED DEMAND DURING THE DAY	TIME OF MAX. UN-REST. DEMAND	DEMAND AT THAT TIME	SHEDDING AT THAT TIME
	In Mus.	IN MW	IN HRS.	IN MW	IN MW	IN MW	HRS.	IN MW	IN MW
1	32	33	34	35	36=33+35	37=39+40	38	39	40
1-Oct-12	74.775	**3846**	18:57:22	0	**3846**	**3846**	18:57:22	**3846**	0
2- Oct-12	64.856	**3411**	22:35:11	0	**3411**	**3411**	22:35:11	**3411**	0
3- Oct-12	74.637	**3931**	18:44:17	4	**3935**	**3935**	18:44:17	**3931**	4
4-Oct-12	74.352	**3995**	18:52:37	0	**3995**	**3995**	18:52:37	**3995**	0
5- Oct-12	74.639	**3945**	18:30	0	**3945**	**3945**	18:30	**3945**	0
6- Oct-12	71.909	**3688**	19:16:38	6	**3694**	**3694**	19:16:38	**3688**	6
7- Oct-12	66.004	**3416**	19:17:08	0	**3416**	**3416**	19:17:08	**3416**	0
8-Oct-12	70.960	**3707**	18:55:05	22	**3729**	**3729**	18:55:05	**3707**	22
9- Oct-12	70.825	**3632**	18:57:20	0	**3632**	**3632**	18:57:20	**3632**	0
10-Oct-12	69.439	**3745**	18:49:27	0	**3745**	**3745**	18:49:27	**3745**	0
11-Oct-12	71.605	**3799**	18:35:56	0	**3799**	**3799**	18:35:56	**3799**	0
12-Oct-12	67.096	**3821**	18:53:46	0	**3821**	**3821**	18:53:46	**3821**	0
13-Oct-12	68.358	**3592**	19:08:02	0	**3592**	**3592**	19:08:02	**3592**	0
14-Oct-12	64.272	**3434**	19:36:43	0	**3434**	**3434**	19:36:43	**3434**	0
15-Oct-12	68.104	**3727**	18:49:24	5	**3732**	**3732**	18:49:24	**3727**	5
16-Oct-12	65.515	**3547**	18:48:19	10	**3557**	**3557**	18:48:19	**3547**	10
17-Oct-12	63.526	**3587**	18:44:03	49	**3636**	**3636**	18:44:03	**3587**	49
18-Oct-12	64.538	**3622**	18:07:17	0	**3622**	**3622**	18:07:17	**3622**	0
19-Oct-12	60.771	**3601**	18:32:18	21	**3622**	**3622**	18:32:18	**3601**	21
20-Oct-12	60.109	**3413**	18:33:34	0	**3413**	**3413**	18:33:34	**3413**	0
21-Oct-12	55.921	**3123**	18:46	0	**3123**	**3123**	18:46:	**3123**	0
22-Oct-12	58.828	**3440**	18:29:28	0	**3440**	**3440**	18:29:28	**3440**	0
23-Oct-12	57.082	**3187**	18:21:54	0	**3187**	**3187**	18:21:54	**3187**	0
24-Oct-12	44.766	**2450**	11:07:24	0	**2450**	**2450**	11:07:24	**2450**	0
25-Oct-12	52.511	**3115**	18:46:20	0	**3115**	**3115**	18:46:20	**3115**	0
26-Oct-12	54.498	**3163**	18:34:27	0	**3163**	**3163**	18:34:27	**3163**	0
27-Oct-12	49.540	**2808**	18:51:40	3	**2811**	**2887**	18:00	**2724**	163
28-Oct-12	52.938	**2744**	18:23:26	8	**2752**	**2752**	18:23:26	**2744**	8
29-Oct-12	55.456	**3099**	18:32:30	0	**3099**	**3099**	18:32:30	**3099**	0
30-Oct-12	58.428	**3149**	;18:30:02	0	**3149**	**3149**	18:30:02	**3149**	0
31-Oct-12	55.430	**3201**	18:25:00	0	**3201**	**3201**	18:25:00	**3201**	0
Total	**1961.688**	**3995** **04.10.2012**	18.52.37	0	**3995** 04.10.2012	**3995**	18.52.37	3995	0

10 LOAD PATTERN OF DELHI ON THE DAY OF PEAK DEMAND MET DURING OCTOBER 2012 ON 04.10.2012- 3995MW at 18.52.37HRS.

All figures in MW

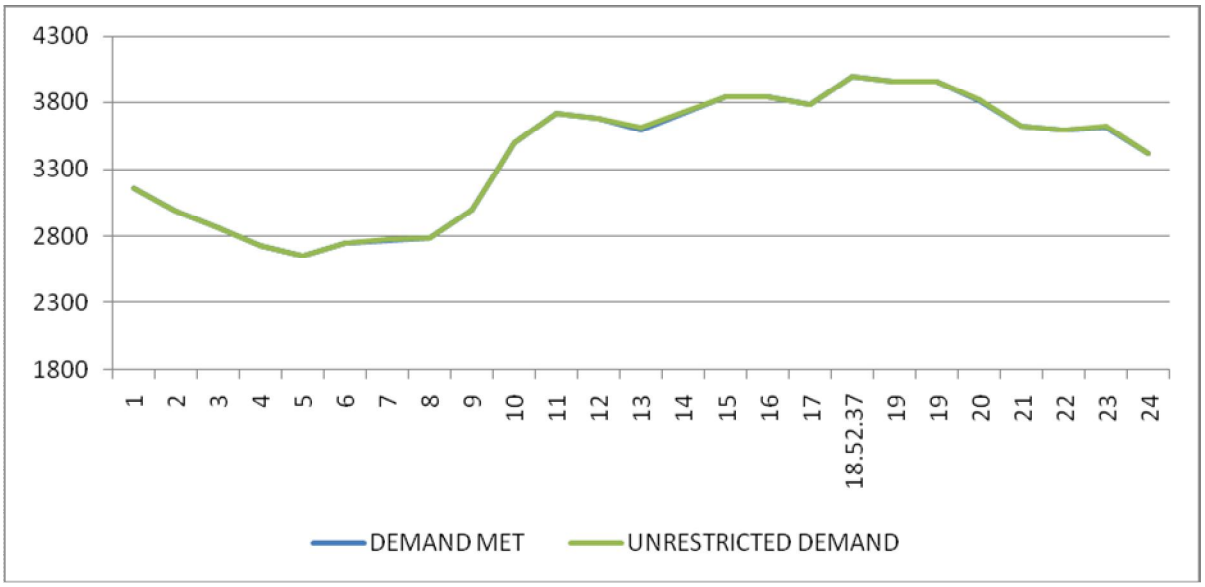
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1	3159	0	3159
2	2984	0	2984
3	2859	0	2859
4	2731	0	2731
5	2655	0	2655
6	2745	0	2745
7	2769	11	2780
8	2784	0	2784
9	2992	0	2992
10	3496	0	3496
11	3712	0	3712
12	3677	0	3677
13	3588	19	3607
14	3713	9	3722
15	3845	0	3845
16	3844	0	3844
17	3780	5	3785
18.52.37	3995	0	3995
19	3954	0	3954
19	3954	0	3954
20	3810	12	3822
21	3619	0	3619
22	3596	0	3596
23	3609	8	3617
24	3423	0	3423
ENERGY IN MUS	**74.352**	**0.077**	**74.429**



11 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UN-RESTRICTED DEMAND DURING OCTOBER 2012 ON 04.10.2012- 3995MW at 18.52.37HRS.

All figures in MW

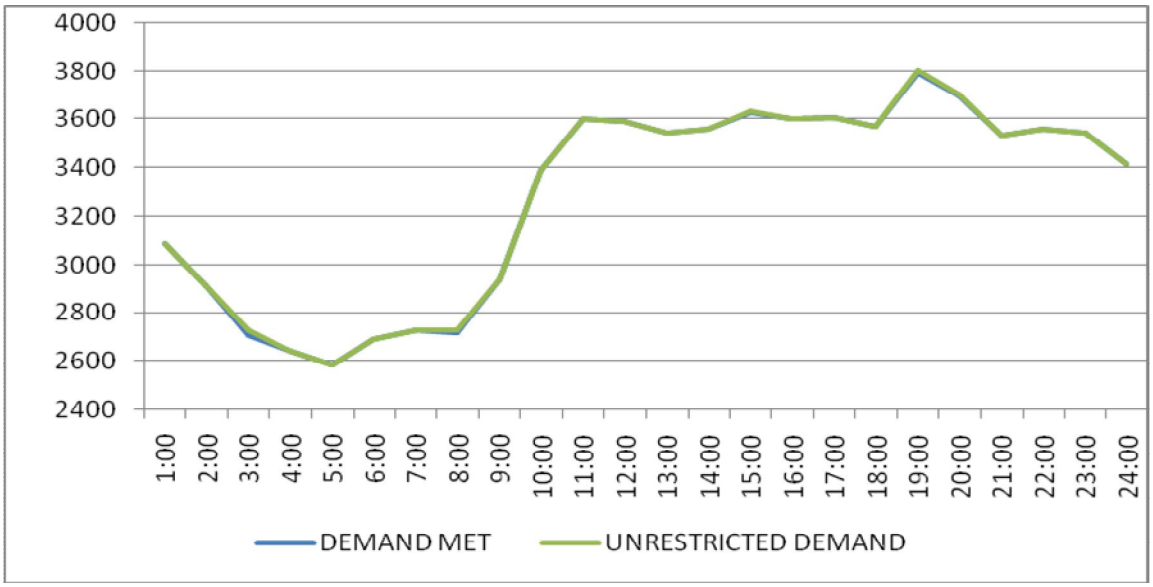
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1	3159	0	3159
2	2984	0	2984
3	2859	0	2859
4	2731	0	2731
5	2655	0	2655
6	2745	0	2745
7	2769	11	2780
8	2784	0	2784
9	2992	0	2992
10	3496	0	3496
11	3712	0	3712
12	3677	0	3677
13	3588	19	3607
14	3713	9	3722
15	3845	0	3845
16	3844	0	3844
17	3780	5	3785
18.52.37	3995	0	3995
19	3954	0	3954
19	3954	0	3954
20	3810	12	3822
21	3619	0	3619
22	3596	0	3596
23	3609	8	3617
24	3423	0	3423
ENERGY IN MUS	**74.352**	**0.077**	**74.429**



12 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM ENERGY CONSUMED DURING OCTOBER 2012 – 01.10.2012 – 74.775 Mus

All figures in MW

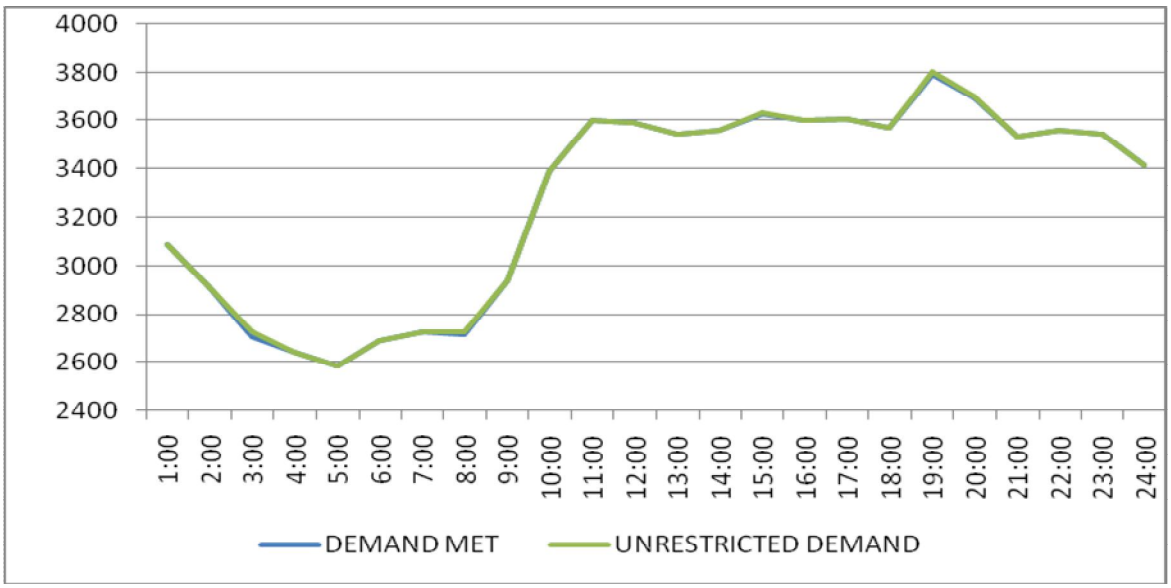
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1:00	3087	2	3089
2:00	2914	0	2914
3:00	2708	20	2728
4:00	2644	0	2644
5:00	2585	0	2585
6:00	2693	0	2693
7:00	2730	0	2730
8:00	2716	10	2726
9:00	2938	0	2938
10:00	3392	0	3392
11:00	3602	0	3602
12:00	3591	0	3591
13:00	3545	0	3545
14:00	3558	0	3558
15:00	3627	8	3635
16:00	3601	0	3601
17:00	3609	0	3609
18:00	3568	0	3568
19:00	3790	12	3802
20:00	3699	2	3701
21:00	3531	0	3531
22:00	3557	0	3557
23:00	3543	0	3543
24:00	3417	0	3417
ENERGY IN MUS	**74.775**	**0.054**	**74.829**



13 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UNRESTRICTED ENERGY DEMAND DURING OCTOBER 2012 – 01.10.2012 – 74.829 Mus

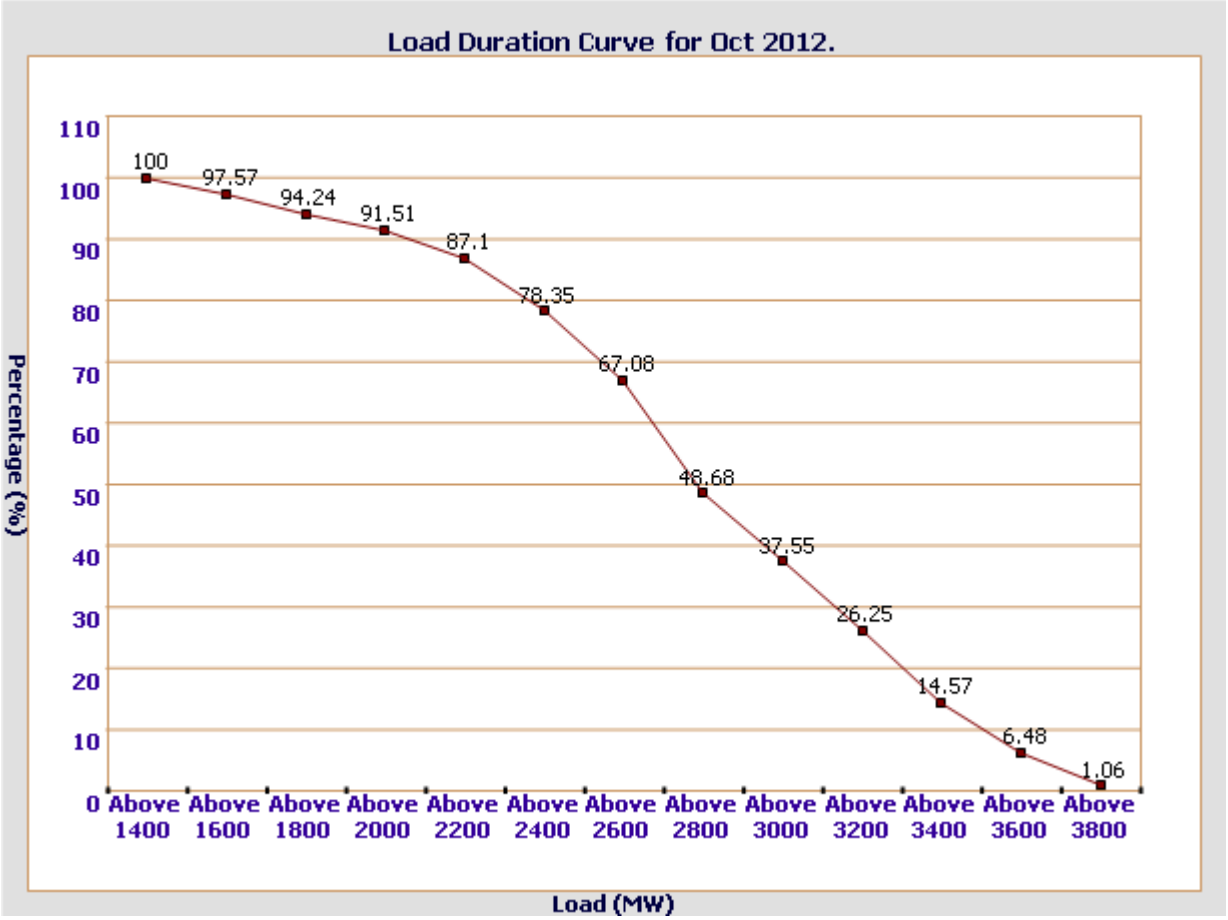
All figures in MW

Hrs.	Demand	Load Shedding	Un-Restricted Demand
1:00	3087	2	3089
2:00	2914	0	2914
3:00	2708	20	2728
4:00	2644	0	2644
5:00	2585	0	2585
6:00	2693	0	2693
7:00	2730	0	2730
8:00	2716	10	2726
9:00	2938	0	2938
10:00	3392	0	3392
11:00	3602	0	3602
12:00	3591	0	3591
13:00	3545	0	3545
14:00	3558	0	3558
15:00	3627	8	3635
16:00	3601	0	3601
17:00	3609	0	3609
18:00	3568	0	3568
19:00	3790	12	3802
20:00	3699	2	3701
21:00	3531	0	3531
22:00	3557	0	3557
23:00	3543	0	3543
24:00	3417	0	3417
ENERGY IN MUS	**74.775**	**0.054**	**74.829**



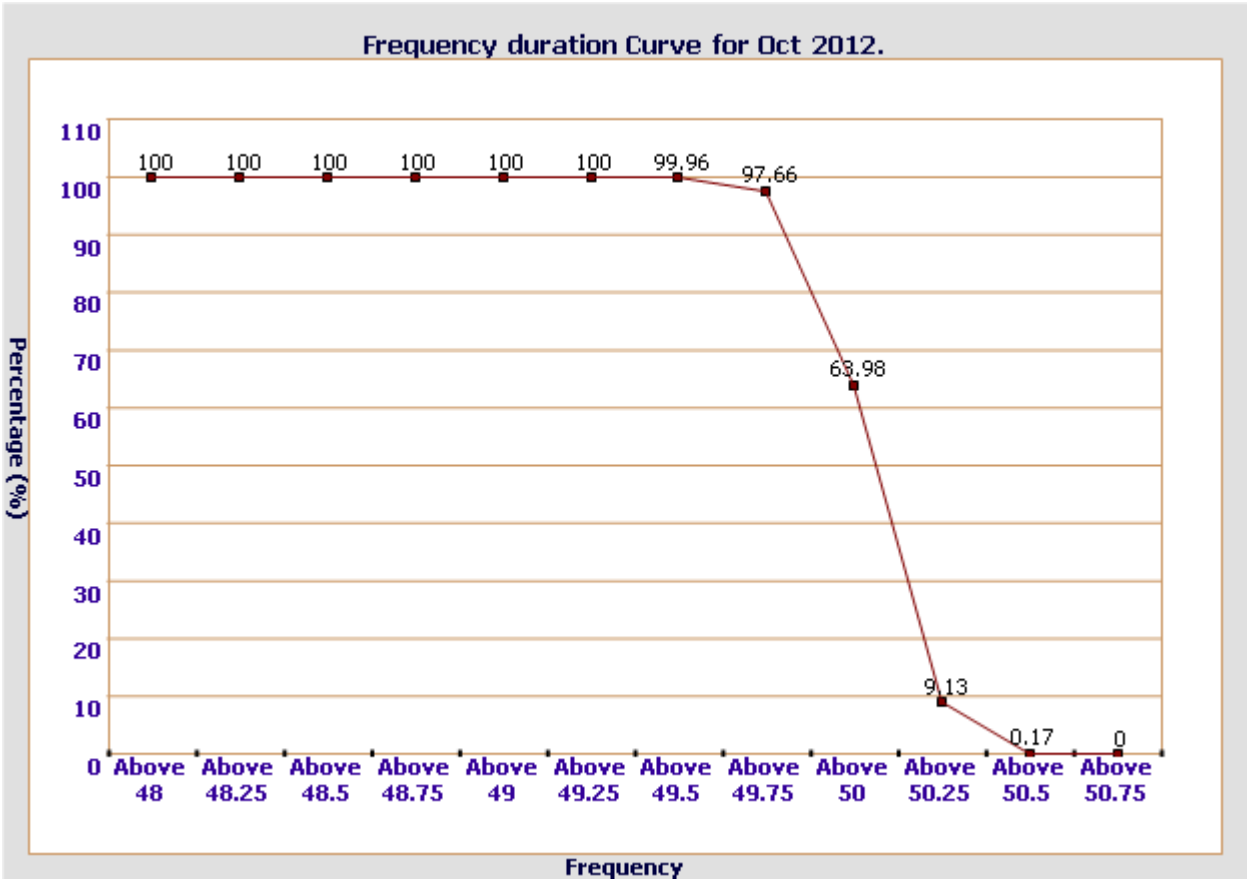
14 LOAD DURATION CURVE FOR OCTOBER 2012

Load in MW	Percentage of Time
Above 1400	100 %
Above 1600	97.57 %
Above 1800	94.24 %
Above 2000	91.51 %
Above 2200	87.1 %
Above 2400	78.35 %
Above 2600	67.08 %
Above 2800	48.68 %
Above 3000	37.55 %
Above 3200	26.25 %
Above 3400	14.57 %
Above 3600	6.48 %
Above 3800	1.06 %



15 FREQUENCY ANALYSIS FOR THE MONTH OF OCTOBER 2012

Frequency Range in Hz.	Percentage of time
Above 49.25	100 %
Above 49.5	99.96 %
Above 49.75	97.66 %
Above 50	63.98 %
Above 50.25	9.13 %
Above 50.5	0.17 %
Above 50.75	0 %



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

All figures in kV

Date	NARELA		GAZIPUR	
	Max	Min	Max	Min
1-Oct-12	232.53	219.12	222.09	208.54
2- Oct-12	236.92	226.08	222.47	213.44
3- Oct-12	231.89	221.05	221.18	206.22
4-Oct-12	231.50	219.89	221.83	208.80
5- Oct-12	232.02	--	221.70	213.06
6- Oct-12	225.57	215.12	222.34	212.41
7- Oct-12	223.50	216.28	220.54	205.06
8-Oct-12	224.79	214.73	222.86	204.67
9- Oct-12	225.44	--	220.54	203.00
10-Oct-12	227.24	215.38	219.51	200.55
11-Oct-12	227.24	213.83	221.83	205.06
12-Oct-12	225.70	216.41	220.15	204.93
13-Oct-12	224.92	214.75	222.34	204.03
14-Oct-12	224.41	217.00	223.50	--
15-Oct-12	228.28	214.35	229.82	--
16-Oct-12	227.24	216.93	226.34	203.51
17-Oct-12	231.76	--	222.99	202.74
18-Oct-12	235.89	--	227.37	201.84
19-Oct-12	235.37	221.70	226.08	199.00
20-Oct-12	236.27	221.18	221.57	199.52
21-Oct-12	236.66	225.05	226.60	--
22-Oct-12	236.92	223.76	228.53	199.64
23-Oct-12	238.21	224.15	230.08	220.92
24-Oct-12	242.46	230.21	231.76	224.02
25-Oct-12	241.43	224.79	231.50	217.83
26-Oct-12	241.04	218.47	231.24	218.47
27-Oct-12	228.92	218.60	228.92	219.51
28-Oct-12	225.16	224.41	229.18	220.54
29-Oct-12	229.44	218.47	227.89	217.83
30-Oct-12	230.21	220.28	229.18	219.76
31-Oct-12	231.89	220.41	230.60	219.76

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

All figures in kV

Date	400kV Bamnauli Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
1-Oct-12	418.56	02.06.55	401.68	16.07.50	410.97
2- Oct-12	420.21	08.32.21	404.49	18.38.48	412.87
3- Oct-12	415.75	04.03.02	397.23	11.48.42	406.02
4-Oct-12	413.87	04.03.43	396.99	14.50.24	405.55
5- Oct-12	413.87	04.03.10	399.57	14.16.14	408.04
6- Oct-12	417.86	06.03.11	401.92	13.37.49	409.63
7- Oct-12	413.64	21.30.21	400.98	10.28.35	406.80
8-Oct-12	413.64	04.16.25	397.23	12.17.38	406.41
9- Oct-12	414.58	03.20.50	398.40	11.28.38	406.73
10-Oct-12	416.92	03.10.39	398.40	11.04.17	407.78
11-Oct-12	414.34	03.11.57	396.05	11.27.27	406.89
12-Oct-12	412.47	21.46.18	399.10	14.24.48	405.85
13-Oct-12	413.41	21.02.18	399.10	18.36.09	406.90
14-Oct-12	415.52	20.53.57	403.32	10.18.49	409.28
15-Oct-12	419.50	23.05.40	396.76	12.48.33	408.41
16-Oct-12	416.69	00.00.04	396.29	10.43.26	407.73
17-Oct-12	418.33	03.07.03	398.17	11.13.14	408.75
18-Oct-12	416.69	03.09.37	397.93	11.10.50	407.74
19-Oct-12	416.69	02.59.31	397.46	11.23.13	409.19
20-Oct-12	415.98	04.03.33	399.10	11.08.38	409.01
21-Oct-12	416.22	02.57.54	403.09	11.12.33	410.23
22-Oct-12	418.56	04.03.04	400.98	10.21.38	408.57
23-Oct-12	420.44	21.56.26	403.09	11.21.18	411.87
24-Oct-12	422.55	04.04.27	408.01	10.30.02	415.23
25-Oct-12	422.55	04.02.26	401.45	12.47.38	410.73
26-Oct-12	419.50	04.16.56	400.98	10.13.09	409.99
27-Oct-12	415.98	20.58.47	399.81	12.15.04	408.04
28-Oct-12	419.50	21.38.05	399.81	13.10.18	409.98
29-Oct-12	419.03	21.45.30	397.23	11.07.02	409.64
30-Oct-12	422.55	20.59.31	401.45	10.45.42	411.95
31-Oct-12	424.19	03.47.47	404.49	18.13.10	414.32

Date	400kV Bawana Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
1-Oct-12	421.85	08.02.46	406.84	16.08.00	414.14
2- Oct-12	422.79	08.32.41	410.12	18.39.58	416.74
3- Oct-12	419.50	04.02.52	402.15	11.48.42	410.54
4-Oct-12	417.86	04.03.03	401.92	14.47.33	409.85
5- Oct-12	417.86	04.33.11	405.20	11.31.04	412.28
6- Oct-12	420.91	06.02.41	405.67	13.38.29	413.77
7- Oct-12	419.27	21.26.41	406.84	10.28.25	412.42
8-Oct-12	418.56	04.46.37	402.85	12.17.48	412.29
9- Oct-12	420.21	04.21.54	404.03	14.30.13	411.68
10-Oct-12	421.85	03.10.39	403.32	11.21.48	412.89
11-Oct-12	419.03	21.31.27	401.68	11.30.37	412.41
12-Oct-12	416.92	20.53.05	404.03	11.04.28	410.64
13-Oct-12	418.56	21.02.38	405.43	11.15.32	411.88
14-Oct-12	420.91	20.56.47	408.72	10.18.09	414.47
15-Oct-12	424.19	23.05.40	400.27	12.57.03	413.53
16-Oct-12	420.91	00.00.04	403.09	11.09.17	413.87
17-Oct-12	423.72	03.07.03	402.62	11.14.04	414.27
18-Oct-12	421.38	03.09.57	403.79	11.10.50	413.59
19-Oct-12	420.91	02.59.11	402.62	11.24.03	414.37
20-Oct-12	421.38	20.57.02	403.79	11.08.28	413.70
21-Oct-12	420.44	03.03.44	407.54	11.22.33	414.76
22-Oct-12	422.29	21.27.10	406.61	10.19.17	414.07
23-Oct-12	425.13	21.47.46	408.01	11.33.59	416.86
24-Oct-12	428.41	21.20.22	412.70	19.11.55	420.65
25-Oct-12	425.36	03.04.12	406.61	12.47.38	414.90
26-Oct-12	423.72	01.52.37	--	14.20.22	412.89
27-Oct-12	416.22	21.17.49	228.16	13.55.40	410.97
28-Oct-12	426.54	21.35.45	409.89	18.30.26	417.31
29-Oct-12	426.54	20.52.07	404.26	11.06.52	417.04
30-Oct-12	427.24	20.57.01	400.18	10.45.12	417.98
31-Oct-12	427.47	03.47.47	400.51	12.58.46	419.88

18 DETAILS OF LUMPED CAPACITORS AT NEAREST 220 KV SUBSTATION

Sl. No	SUB-STATION	INSTALLED CAPACITY IN MVAR			
		66KV	33kV	11kV	**TOTAL**
1	**IP YARD**		30		**30**
1	Kamla Market			16.35	**16.35**
2	Minto Road				
3	GB Pant Hosp			15.88	**15.88**
4	Delhi Gate			10.9	**10.9**
5	Tilakmarg			5.04	**5.04**
6	Electric Lane			5.04	**5.04**
7	Cannaught Place			10.08	**10.08**
8	Kilokri		10.08	10.48	**20.56**
9	NDSE			5.03	**5.03**
10	AIIMS		10	5.04	**15.04**
11	Nizamuddin				
12	Exhibition-I		10		**10**
13	Exhibition-II				
14	Defence Colony				
15	IG Stadium		10.08	5.45	**15.53**
16	Lajpat Nagar				
17	IP Estate			10.9	**10.9**
	Total				**170.4**
2	**IP Extn.**				
1	School Lane			5.04	**5.04**
2	Scindia House			5.04	**5.04**
3	Vidyut Bhawan			10.08	**10.08**
4	Nirman Bhawan			5.04	**5.04**
5	Dalhousie Road			5.04	**5.04**
	Total				**30.24**
3	**RPH Station**		20	5.04	**25.04**
1	Lahori Gate			10.49	**10.49**
2	Jama Masjid			5.03	**5.03**
4	Kamla Market				
5	Minto Road			10.9	**10.9**
6	GB Pant Hosp				
7	IG Stadium				
	Total				**51.46**
4	**Parkstreet S/stn**	20	20		**40**
1	Shastri Park		10.896	5.45	**16.35**
2	Faiz Road			10.9	**10.9**
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			14.4	**14.4**
8	Baird Road			10.08	**10.08**
9	Hanuman Road			5.04	**5.04**
10	Pusa			7.2	**7.2**
11	Ridge Valley				
12	SJ Airport			5.04	**5.04**
13	B. D. Marg				
	Total				**157.4**

Sl. No	SUB-STATION	INSTALLED CAPACITY IN MVAR			
		66KV	33kV	11kV	**TOTAL**
5	**Naraina S/stn**		20	5.04	**25.04**
1	DMS			10.85	**10.85**
2	Mayapuri		10.87	5	**15.87**
3	Inderpuri		13.26	5.04	**18.3**
4	Rewari line			7.2	**7.2**
5	Khyber Lane			5.04	**5.04**
6	Kirbi Place	10		5.97	**15.97**
7	Payal			14.4	**14.4**
	Total				**112.7**
6	**Mehrauli S/stn**	80		5.04	**85.04**
1	Adchini			15.12	**15.12**
2	Andheria Bagh			10.85	**10.85**
3	IIT			10.9	**10.9**
4	JNU		10.03	10.08	**20.11**
5	Bijwasan			10.08	**10.08**
6	DC Saket		10.08	4.54	**14.62**
7	Malviya Nagar				
8	C Dot			5.4	**5.4**
9	Vasant kunj B-Blk	21.79		10.9	**32.69**
10	Vasant kunj C-Blk	20.16		10.49	**30.65**
11	Palam				
12	IGNOU				
13	R. K. Puram-I			10.08	**10.08**
14	Vasant Vihar			15.12	**15.12**
15	Pusp Vihar			9.6	**9.6**
16	Bhikaji Cama Place		10	10.08	**20.08**
	Total				**290.3**
7	**Vasantkunj S/stn**	40		5.04	**45.04**
1	R. K. Puram-II			7.2	**7.2**
2	Vasant kunj C-Blk				
3	Vasant kunj D-Blk	20.16		10.25	**30.41**
4	Race Course			5.04	**5.04**
5	Bapu Dham			10.08	**10.08**
6	Nehru Park			10	**10**
7	Ridge Valley				
	Total				**107.8**
8	**Okhla S/stn**	60	10	5.04	**75.04**
1	Balaji			7.2	**7.2**
2	East of Kailash			10	**10**
3	Alaknanda			16.25	**16.25**
4	Malviya Nagar	21.79	20.16	10.49	**52.44**
5	Masjid Moth			15.94	**15.94**
6	Nehru Place			21.35	**21.35**
7	Okhla Ph-I	21.79		10.9	**32.69**
8	Okhla Ph-II		20.93	15.53	**36.46**
9	Shivalik			10.9	**10.9**
10	Batra			15.8	**15.8**
11	VSNL			10.8	**10.8**
12	Siri Fort			10.49	**10.49**
13	Tuglakabad			10.8	**10.8**
	Total				**326.2**

Sl. No	SUB-STATION	INSTALLED CAPACITY IN MVAR			
		66KV	33kV	11kV	**TOTAL**
9	**Lodhi Road S/stn**		20		**20**
1	Defence Colony			10.9	**10.9**
2	Hudco			10.9	**10.9**
4	Lajpat Nagar			10.9	**10.9**
5	Nizamuddin			10.49	**10.49**
6	Vidyut Bhawan				
7	Kidwai Nagar			5.04	**5.04**
8	Ex. Gr. II				
9	IHC				
	Total				**68.23**
10	**Sarita Vihar S/stn**	20		5.04	**25.04**
1	Sarita Vihar			10.08	**10.08**
2	MCIE			10.06	**10.06**
3	Mathura Road	20.16		10.08	**30.24**
4	Jamia Millia			5.4	**5.4**
5	Sarai Julena		10.08	10.9	**20.98**
	Total				**101.8**
11	**South of Wazirabad**				
1	Bhagirathi		10.03	10.9	**20.93**
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			10.8	**10.8**
7	East of Loni Road			10.8	**10.8**
8	Shastri Park			10.9	**10.9**
9	Karawal Nagar			5.4	**5.4**
	Total				**202.6**
12	**Geeta Colony**				
1	Geeta Colony			10.49	**10.49**
2	Kanti Nagar			10.9	**10.9**
3	Kailash Nagar			15.48	**15.48**
4	Seelam Pur				
5	Shakar Pur				
	Total				**36.87**
13	**Gazipur S/stn**	40		5.04	**45.04**
1	Dallupura	21.79		10.9	**32.69**
2	Vivek Vihar			10.57	**10.57**
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**
	Total				**182.2**
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		10.08	10.44	**20.52**
6	Preet Vihar			10.07	**10.07**

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

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

Sl. No	SUB-STATION	INSTALLED CAPACITY IN MVAR			
		66KV	33kV	11kV	**TOTAL**
23	**Kanjhawala S/stn**	20		5.04	**25.04**
1	Bawana Clear Water			14.4	**14.4**
2	Pooth Khoord			7.2	**7.2**
3	Ghevra			14.4	**14.4**
	Total				**61.04**
24	**BAWANA S/stn**				
1	Bawana S/stn No. 6				**0**
2	Bawana S/stn No. 7				**0**
	Total				**0**
25	**Kashmeregate S/stn**			5.04	**5.04**
1	Civil lines			6	**6**
2	Town Hall			8.64	**8.64**
3	Fountain			5.45	**5.45**
	Total				**25.13**
26	**Pappankalan-II**				
1	DMRC-I				
2	DMRC-II				
	Total				
	TOTAL CAPACITY				**3636**

20 DETAILS OF BREAK-DOWNS DURING THE MONTH OF OCTOBER 2012

SL NO.	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
01	02.10.12	13.44	220KV BTPS – OKHLA CKT-I	02.10.12	14.40	CKT.T RIPPED DURING ONLINE TESTING BY PROTECTION DEPARTMENT.
02	02.10.12	13.44	220/66KV 100MVA PR. TR.-II AT OKHLA	02.10.12	14.40	TR. TRIPPED DUE TO AIR PRESSURE LOW.
03	04.10.12	05.02	220KV KANJHAWALA – NAJAFGARH CKT.	04.10.12	18.28	CKT. TRIPPED ON DIST PROT THREE PHASE ZONE-I AT NAJAFGARH. AND ON DIST PROT `RYB' PHASE AT KANJHAWALA. `R' PHASE BUS-I PT BLAST AT KANJHAWALA.
04	04.10.12	13.43	220KV PRAGATI – SARITA VIHAR CKT.	04.10.12	19.31	CKT. TRIPPED ON DIST PROT `C' PHASE ZONE-I AT SARITA VIHAR AND ON DIST PROT `C' PHASE ZONE-I AT PRAGATI.
05	05.10.12	13.49	400/220KV 315MVA ICT-II AT BAWANA	05.10.12	15.05	TR. TRIPPED ON 86A-I, 95A-I, 95B-I ALONG WITH 220KV I/C-II WHICH TRIPPED ON 30D
06	05.10.12	13.49	220KV BAWANA – SHALIMAR BAGH CKT-I	05.10.12	15.05	CKT. TRIPPED ON DIST PROT `A' PHAS, 186A&B AT BAWANA AND ON DIST PROT `R' PH. AT SHALIMAR BAGH
07	05.10.12	13.49	220KV BAWANA – NAJAFGARH CKT-I	05.10.12	14.08	CKT TRIPPED ON DIST PROT `A' PHASE ZONE-I, 186 AT NAJAFGARH.
08	09.10.12	12.10	220KV BAWANA – DSIDC CKT-I	09.10.12	12.52	CKT. TRIPPED ON DIST PROT `A' PHASE AT DSIDC AND ON DIST PROT `A' PHASE ZONE-I AT BAWANA.
09	09.10.12	12.10	220KV NARELA – DSIDC CKT-I	09.10.12	12.21	CKT. TRIPPED ON O/C `B' PHASE AT NARELA
10	14.10.12	12.05	220/66KV 100MVA PR. TR-I AT VASANT KUNJ	15.10.12	02.55	TR. TRIPPED ON 30DEF ALONG WITH 66KV I/C-I
11	14.10.12	17.01	400/220KV 315MVA ICT-IV AT BAWANA.	14.10.12	17.44	TR. TRIPPED ON 86A, 86B ALONG WITH 220KV I/C-IV WHICH TRIPPED 86A&B.
12	14.10.12	19.36	220KV BTPS – NOIDA – GAZIPUR CKT.	22.10.12	11.58	CKT TRIPPED ON DIST PROT `B' PHASE, 86B, 186A, 186B AT BTPS. NO TRIPPING AT GAZIPUR.
13	15.10.12	06.40	220/33KV 100MVA PR. TR.-IV AT PATPARGANJ	15.10.12	18.23	TR. TRIPPED ON 86, 64RLV, 86.
14	15.10.12	13.33	220KV MANDOLA – NARELA CKT-II	15.10.12	15.00	CKT. TRIPPED ON DIST PROT `B' PHASE ZONE-II AT MANDOLA AND ON DIST PROT ZONE-I, 186 AT NARELA.
15	16.10.12	14.25	220/66KV 100MVA PR. TR-II AT OKHLA	STILL OUT		TR. DAMAGED DUE TO FIRE.
16	17.10.12	16.44	220KV BAMNAULI – NAJAFGARH CKT-I & II	17.10.12	16.59	220KV BAMNAULI CKT-I & II TRIPPED ON DIST PROT `A' PHASE, 186A&B AT NAJAFGARH. NO TRIPPING AT BAMNAULI. 66KV `B' PHASE CT OF BODELLA-II CKT-II DAMAGED.
17	18.10.12	22.01	220KV MANDOLA – WAZIRABAD CKT-I	19.10.12	06.06	CKT. TRIPPED OF RXME18, DIST PROT `RYB' PHASE ZONE-I, II & III AT WAZIRABAD. NO TRIPPING AT MANDOLA.
18	18.10.12	22.01	66/11KV 20MVA PR. TR-III & IV AT WAZIRABAD	18.10.12	06.06	TR-III TRIPPED ON 86, DIRETIONAL O/C AND TR.-IV TRIPPED ON 86, O/C `AB' PHASE. TR-III &IV CHARGED AT 06.06HRS. AND 03.04HRS. ON 19.10.2012 RESPECTIVELY
19	21.10.12	20.15	220KV BTPS – NOIDA - GAZIPUR CKT.	22.10.12	11.58	CKT. TRIPPED ON 86A&B AT BTPS. NO TRIPPING AT GAZIPUR.

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
20	22.10.12	00.12	220KV BAWANA – ROHINI CKT-I	22.10.12	11.04	CKT. TRIPPED ON AUTO RECLOSE LOCK OUT, 186A&B AT BAWANA. NO TRIPPING AT ROHINI.
21	22.10.12	19.51	220KV PANIPAT – NARELA CKT-I	22.10.12	20.21	CKT. TRIPPED ON DIST PROT `ABC' PHASE ZONE-I AT NARELA. NO TRIPPING AT PANIPAT.
22	23.10.12	11.25	220KV BAMNAULI – NAREINA CKT-I	23.10.12	15.25	CKT. TRIPPED ON DIST PROT `A' PHASE AT NARAINA. NO TRIPPING AT BAMNAULI. ``B' PHASE LA OF 33KV INDER PURI CKT-I BLASTED AT NARAINA. 220KV BAMNAULI CKT-I CHARGED AT 11.44HRS. BUT AGAIN TRIPPED ON DIST PROT `B' PHASE.
23	23.10.12	13.05	220KV MANDOLA – WAZIRABAD CKT-I	23.10.12	16.01	CKT. TRIPPED ON SOFT AT MANDOLA ALONG WITH 400/220 KV ICT-I & II AT MANDOLA.. NO TRIPPING AT WAZIRABAD.
24	23.10.12	13.05	220KV MANDOLA – NARELA CKT-II	24.10.12	15.35	`B' PHASE LA OF THE CKT. BLASTED AT MANDOLA. NO TRIPPING AT NARELA.
25	23.10.12	14.33	220KV SARITA VIHAR - MAHARANI BAGH CKT.	23.10.13	16.00	CKT. TRIPPED ON DIST PROT `ABC' PHASE ZONE-I AT SARITA VIHAR AND ON DIST PROT AT MAHARANI BAGH.
26	24.10.12	08.25	66/33KV 30MVA PR. TR.-I AT PARK STREET	24.10.13	13.30	TR. TRIPPED ON BUCHLOZ, OLTC, LBB PROTECTION, 86
27	26.10.12	03.10	33/11KV 20MVA PR. TR. AT SHALIMAR BAGH	26.10.12	10.55	TR. TRIPPED ALONG WITH 11KV I/-I WHICH TRIPPED ON `R&B' PHASE O/C.
28	27.10.12	10.16	220KV IP – PRAGATI CKT-I			DETAILED REPORT ENCLOSED.
29	28.10.12	15.04	220KV BAWANA – DSIDC CKT-I	28.10.12	17.58	CKT. TRIPPED ON DIST PROT `AB' PHASE ZONE-I AT BAWANA AND ON DIST PROT ABC PHASE ZONE-I AT DSIDC.
30	28.10.12	15.04	220KV DSIDC – NARELA CKT-I	28.10.12	15.13	CKT. TRIPPED ON DIST PROT 186 AT NARELA.
31	28.10.12	17.48	400KV BAWANA – DIPALPUR CKT.	28.10.12	18.06	CKT. TRIPPED ON 86A GROUP, 186A&B ON BOTH CB AT BAWANA. NO TRIPPING AT DIPALPUR.
32	29.10.12	11.20	220KV MAHARANI BAGH – MASJID MOTH CKT-II	29.10.12	17.00	CKT. TRIPPED ON SOS RELAY, L1, L2, L3 RELAY AT MAHARANI BAGH. NO TRIPING AT MASJID MOTH.
33	31.10.12	12.40	220KV MANDOLA – GOPALPUR CKT-I & II	31.10.12	14.40	NO TRIPPING AT GOPALPUR. DETAIL OF MANDOLA END NOT AVAILABLE.
34	31.10.12	13.00	220/33KV 100MVA PR. TR.-I & II AT MASJID MOTH	31.10.12	13.28	BOTH TR. TRIPPED ON 86.
35	31.10.12	13.50	220KV MANDOLA – NARELA CKT-I & II	31.10.12	15.48	BOTH CKT. TRIPPED ON BACK UP PROTECTION AT MANDOLA. NO TRIPPING AT NARELA.

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

DATE	S. N.	TIME		Name of Grid	NAME OF AFFECTED FEEDERS	LOAD RELIEF IN MW
		OUT	IN			
23.10.12	1	11.46	12.09	33kV ASHOK VIHAR	11kV LOAD	9
	2	11.46	12.15	CIVIL LINE NEW	11kV LOAD	1
	3	11.46	12.11	WAZIRPUR-II	11kV LOAD	6
	4	12.23	12.30	ROHINI SEC. 22	11kV LOAD	4
	5	12.36	12.41	ROHINI SEC. 23	11kV LOAD	5
	6	12.38	12.45	ROHINI SEC. 24	11kV LOAD	2