DELHI TRANSCO LTD.

STATE LOAD DISPATCH CENTER

PROGRESS REPORT

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JUNE 2012

1 **SALIENT FEATURES OF DELHI POWER SYSTEM**

Sr. No.	Features	JUNE 2012	JUNE 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)**	**5472**	**5014**
	Date	22.06.2012	24.06.2011
	Time	15.49.32	16.04.24
3	**Peak Demand met (MW)**	**5389**	**4984**
	Date	26.06.2012	24.06.2011
	Time	15.56.34	16.04.28
4	Peak Availability (MW)	5341	4784
5	Shortage (-) / Surplus (+) in MW	(+) 48	(-) 210
6	Percentage Shortage (-) / Surplus (+)	(+) 0.898	(-) 4.205
7	Maximum Energy Consume in a day (Mus)	104.435	99.871
8	Energy Consumed during the month	**2945.912**	**2666.325**
9	**Load Shedding in Mus**		
A)	Due to Grid Restrictions		
i)	Under Frequency Relay Operations	0.127	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	2.159	0.080
	BRPL	3.114	0.156
	BYPL	0.129	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	**5.529**	**0.236**
B)	Due to Constraints in System in Mus		
	DTL	2.077	2.220
	NDPL	1.198	0.506
	BRPL	4.642	0.630
	BYPL	0.880	0.388
	NDMC	0.000	0.000
	MES	0.000	0.000
	Other Agencies	0.859	0.057
	Total	**9.656**	**3.801**
11	**Grand Total in Mus**	**15.185**	**4.037**

2. PERFORMANCE OF GENERATING STATIONS WITHIN DELHI DURING JUNE 2012

A) For the month of JUNE 2012

All Figures in MUs

S. No	Stations	Gross Generation	Aux. Consumption	Net Generation	Availability (%)	Backing Down
1.	**RPH**	76.398	9.496	66.902	77.20	--
2.	**GT**	140.817	4.169	136.648	81.68	17.312
3.	**PPCL**	200.942	5.659	195.283	85.56	1.854
4.	**BTPS**	316.817	30.983	285.834	64.27	0.992
5.	**Rithala**	18.692	1.138	17.554	--	00
6.	**Bawana**	93.339	4.054	89.285	64.37	65.610
	TOTAL	**847.005**	**55.499**	**791.506**	--	**85.768**

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

Power Station	Effective Capacity (MW)	Net Generation in MUs For JUNE 2012	Availability (%) For JUNE. 2012	PLF (%) For JUNE 2012	Cumulative Generation in MUs upto JUNE. 2012 for the year 2012-13	Cumulative Availability in % upto JUNE 2012 for the year 2012-13	Cumulative PLF in % upto JUNE 2012 for the year 2012-13
RPH	135	66.902	77.20	77.20	192.700	73.51	73.51
GT	270	136.648	81.68	72.50	404.483	79.78	70.74
PPCL	330	195.283	85.56	84.74	606.700	88.52	86.75
BTPS	705	285.834	64.27	64.05	1007.746	80.70	72.97
Rithala	108	17.554	--	--	61.997	--	--
Bawana	**216**	89.285	64.37	36.97	325.145	73.17	41.36
TOTAL	**1764**	**791.506**	--	--	**2598.771**	--	--

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.
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.

(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.
2	30	08.04.12	17.00	08.04.12	18.06	Machine tripped due to jerk observed in C/R.160MVA Trf. No.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	
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.

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.
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
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 controller S.
		19.06.12	21.02	20.06.12	10.32	Machine stopped as per SLDC message to maintain SG .
		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)

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.
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
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

(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	
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
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

(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
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
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
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
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

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 JUNE 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			Bawana			
(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	16:07:59	103	213	265	31	128	462	1202	3976	3820	156	5178	57	5235
2	15:32:09	92	203	262	52	32	391	1032	3856	3759	97	4888	86	4974
3	0:17:49	104	180	278	25	214	393	1194	3288	3630	-342	4482	21	4503
4	16:00:35	101	140	267	60	-1	344	911	4255	4248	7	5166	13	5179
5	14:08:10	102	176	268	27	-1	350	922	4085	4054	31	5007	8	5015
6	15:33:10	101	181	275	28	-2	365	948	3741	3985	-244	4689	0	4689
7	14:28:15	108	108	277	27	0	346	866	3643	3737	-94	4509	0	4509
8	16:30:50	103	140	271	30	0	358	902	3645	3747	-102	4547	7	4554
9	23:25:36	105	174	278	28	-4	381	962	3551	3664	-113	4513	11	4524
10	23:25:52	102	173	277	28	-1	361	940	3633	3620	13	4573	2	4575
11	14:33:09	100	206	266	0	28	348	948	3768	3670	98	4716	118	4834
12	16:05:15	96	202	264	28	0	377	967	3921	3802	119	4888	91	4979
13	23:17:09	100	218	274	34	0	345	971	3894	3748	146	4865	13	4878
14	14:58:27	103	202	261	75	35	354	1030	3911	3901	10	4941	98	5039
15	14:36:26	101	204	265	22	254	364	1210	4055	3773	282	5265	11	5276
16	15:24:20	102	206	264	22	243	326	1163	3857	3794	63	5020	2	5022
17	23:37:00	101	188	273	22	242	344	1170	3632	3684	-52	4802	47	4849
18	15:50:45	98	187	280	22	208	348	1143	3704	3989	-285	4847	0	4847
19	15:39:32	56	210	269	22	234	370	1161	3897	4131	-234	5058	48	5106
20	15:31:08	55	169	266	22	222	365	1099	4028	4024	4	5127	17	5144
21	15:13:33	56	192	265	22	261	344	1140	4131	4149	-18	5271	84	5355
22	15:49:32	92	203	264	22	245	352	1178	4152	4138	14	5330	142	5472
23	15:23:11	107	206	265	22	0	354	954	4182	4320	-138	5136	42	5178
24	23:30:34	104	211	265	22	151	351	1104	3805	3585	220	4909	19	4928
25	16:30:01	104	207	271	29	276	384	1271	4047	3859	188	5318	9	5327
26	15:56:34	85	196	269	29	207	356	1142	4247	4199	48	5389	57	5446
27	15:21:14	100	217	271	29	201	338	1156	4006	3880	126	5162	28	5190
28	15:08:30	101	203	266	29	221	457	1277	4025	4211	-186	5302	29	5331
29	14:47:14	103	205	264	29	203	457	1261	4102	4127	-25	5363	4	5367
30	15:32:27	95	205	264	29	274	472	1339	3794	3681	113	5133	74	5207

7 POWER AVAILABILITY- DEMAND POSITION AT THE TIME OF MAXIMUM UNRESTRICTED DEMAND DURING JUNE 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	16:07:59	103	213	265	31	128	462	1202	3976	3820	156	5178	57	5235
2	15:32:09	92	203	262	52	32	391	1032	3856	3759	97	4888	86	4974
3	0:17:49	104	180	278	25	214	393	1194	3288	3630	-342	4482	21	4503
4	16:00:35	101	140	267	60	-1	344	911	4255	4248	7	5166	13	5179
5	14:08:10	102	176	268	27	-1	350	922	4085	4054	31	5007	8	5015
6	15:33:10	101	181	275	28	-2	365	948	3741	3985	-244	4689	0	4689
7	14:28:15	108	108	277	27	0	346	866	3643	3737	-94	4509	0	4509
8	16:30:50	103	140	271	30	0	358	902	3645	3747	-102	4547	7	4554
9	23:25:36	105	174	278	28	-4	381	962	3551	3664	-113	4513	11	4524
10	23:25:52	102	173	277	28	-1	361	940	3633	3620	13	4573	2	4575
11	16.00.00	101	207	265	-1	29	366	967	3612	3682	-70	4579	261	4840
12	15.00.00	102	203	263	28	0	364	959	3773	3812	-40	4732	256	4988
13	15.00.00	102	200	259	23	0	583	933	3832	3864	-32	4805	319	5124
14	14:58:27	103	202	261	75	35	354	1030	3911	3901	10	4941	98	5039
15	14:36:26	101	204	265	22	254	364	1210	4055	3773	282	5265	11	5276
16	15:24:20	102	206	264	22	243	326	1163	3857	3794	63	5020	2	5022
17	23:37:00	101	188	273	22	242	344	1170	3632	3684	-52	4802	47	4849
18	15:50:45	98	187	280	22	208	348	1143	3704	3989	-285	4847	0	4847
19	15:39:32	56	210	269	22	234	370	1161	3897	4131	-234	5058	48	5106
20	15:31:08	55	169	266	22	222	365	1099	4028	4024	4	5127	17	5144
21	15:13:33	56	192	265	22	261	344	1140	4131	4149	-18	5271	84	5355
22	15:49:32	92	203	264	22	245	352	1178	4152	4138	14	5330	142	5472
23	15:23:11	107	206	265	22	0	354	954	4182	4320	-138	5136	42	5178
24	23:30:34	104	211	265	22	151	351	1104	3805	3585	220	4909	19	4928
25	16:30:01	104	207	271	29	276	384	1271	4047	3859	188	5318	9	5327
26	15:56:34	85	196	269	29	207	356	1142	4247	4199	48	5389	57	5446
27	15:21:14	100	217	271	29	201	338	1156	4006	3880	126	5162	28	5190
28	15:08:30	101	203	266	29	221	457	1277	4025	4211	-186	5302	29	5331
29	14:47:14	103	205	264	29	203	457	1261	4102	4127	-25	5363	4	5367
30	15:32:27	95	205	264	29	274	472	1339	3794	3681	113	5133	74	5207

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

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

A (i) RPH	76.398
(ii) GT+STG	140.817
(iii) PRAGATI	200.942
(iv) RITHALA	18.692
(v) BAWANA CCGT	93.339
TOTAL	530.188
B) AVAILABILITY FROM BTPS	285.834
C) AUXILIARY CONSUMPTION OF GENERATING STNs. EXCLUDING BTPS	24.516
D) NET GENERATION AVAILABLE WITHIN DELHI(A+B-C)	**791.506**

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	8.983	8.761	7.269	7.090
SALAL	54.207	52.861	44.081	42.997
TANKAPUR	6.339	6.181	4.841	4.721
CHAMERA	26.291	25.636	20.784	20.272
CHAMERA -II	27.347	26.667	22.025	21.483
CHAMERA -III	0.471	0.458	0.471	0.458
DHAULIGANGA	20.955	20.436	16.437	16.034
SEWA -2	5.921	5.774	5.049	4.924
URI	38.332	37.380	31.250	30.481
KOTESHWAR	9.847	9.601	9.847	9.601
MUNDRA_UMPP	0.000	0.000	0.000	0.000
ANTA (GAS)	13.589	13.252	13.416	13.083
ANTA (RLNG)	14.039	13.689	2.100	2.049
ANTA (LIQUID)	0.000	0.000	0.000	0.000
DADRI (GAS)	32.551	31.744	32.224	31.425
DADRI (RLNG)	27.267	26.588	3.904	3.809
DADRI (LIQUID)	0.000	0.000	0.000	0.000
AURAIYA (GAS)	21.054	20.532	20.852	20.335
AURAIYA (RLNG)	20.989	20.465	3.186	3.108
AURAIYA (LIQUID)	1.017	0.993	0.000	0.000
SINGRAULI	90.859	88.595	90.859	88.595
RIHAND -I	63.889	62.302	63.889	62.302
RIHAND -II	78.776	76.833	78.776	76.833
UNCHAHAR-I	15.820	15.427	15.820	15.427
UNCHAHAR-II	32.313	31.511	32.313	31.511
UNCHAHAR-III	19.734	19.244	19.734	19.244
DADRI (TH)	514.119	501.351	503.363	490.859
DADRI (TH) STAGE-II	504.344	491.838	501.335	488.903
NAPP	19.598	19.111	19.598	19.111
RAPP 'B'	0.000	0.000	0.000	0.000
RAPP 'C'	18.670	18.206	18.670	18.206
NATHPA JHAKRI	96.610	94.206	96.610	94.206
DULASTI	34.949	34.082	28.717	28.010
TEHRI	20.318	19.807	20.318	19.807
JHAJJAR	134.205	130.877	99.774	97.292
KHELGAON	28.577	27.867	28.516	27.806
KHELGAON-II	70.599	68.846	70.468	68.718
FARAKA	12.968	12.645	12.603	12.290
TALA	10.050	9.796	10.050	9.796
TALCHER	0.000	0.000	0.000	0.000
DVC	154.282	152.254	152.254	148.468
CHATTISHGARH	71.048	69.974	69.974	68.233
ANDHRA	3.666	3.584	3.584	3.497
DVC TATA STEEL	0.000	0.000	0.000	0.000
DVC CTPS (BRPL)	29.999	29.605	29.605	28.868
DVC CTPS (BYPL)	19.075	18.825	18.825	18.357
DVC CTPS (NDPL)	0.000	0.000	0.000	0.000
METHON POWER(NDPL)	7.899	7.784	7.784	7.574
DVC MEJIA (LT-08)(BYPL)	59.966	59.178	59.178	57.704

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
GUJRAT	0.879	0.865	0.865	0.843
HIMACHAL PRADESH	65.538	64.879	64.879	63.280
WEST BENGAL	2.053	2.025	2.025	1.973
MADHYA PRADESH(WR)	69.454	68.192	68.192	66.494
JAMMU & KASHMIR	80.664	79.845	79.845	77.863
HARYANA (FOR NDPL) LT-09	19.962	19.698	19.698	19.208
HARYANA (LT-05)	7.506	7.402	7.402	7.210
JHAKHAND	28.237	27.939	27.939	27.225
TO JAMMU & KASHMIR	-0.580	-0.586	-0.586	-0.606
TO JHARKHAND	0.000	0.000	0.000	0.000
TO RAJASTHAN	0.000	0.000	0.000	0.000
TO HIMACHAL PRADESH	0.000	0.000	0.000	0.000
TO ASSAM	0.000	0.000	0.000	0.000
TO UTTAR PRADESH	0.000	0.000	0.000	0.000
POWER EXCHANGE(IEX)	25.964	25.313	25.964	25.313
TO POWER EXCHANGE (IEX)	-97.912	-100.424	-97.912	-100.424
POWRER EXCHANGE(PX)	0.008	0.008	0.008	0.008
TO POWER EXCHANGE (PX)	-2.573	-2.637	-2.573	-2.637
TO SHARE PROJECT (HARYANA)	-9.980	-10.236	-9.980	-10.236
TO SHARE PROJECT (PUNJAB)	-8.130	-8.340	-8.130	-8.340
TOTAL	**2622.621**	**2558.512**	**2467.991**	**2400.662**

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	1450.361	1414.364	1381.772	1347.483
NTPC - ER	112.144	109.358	111.587	108.814
NHPC	223.795	218.236	180.923	176.471
NPC	38.267	37.317	38.267	37.317
KOTESHWAR	9.847	9.601	9.847	9.601
MUNDRA_UMPP	0.000	0.000	0.000	0.000
NATHPA JHAKRI	96.610	94.206	96.610	94.206
TEHRI	20.318	19.807	20.318	19.807
TALA	10.050	9.796	10.050	9.796
JHAJJAR	134.205	130.877	99.774	97.292
TALCHER	0.000	0.000	0.000	0.000
DVC	154.282	152.254	152.254	148.468
CHATTISHGARH	71.048	69.974	69.974	68.233
ANDHRA	3.666	3.584	3.584	3.497
DVC TATA STEEL	0.000	0.000	0.000	0.000
DVC CTPS (BRPL)	29.999	29.605	29.605	28.868
DVC CTPS (BYPL)	19.075	18.825	18.825	18.357
DVC CTPS (NDPL)	0.000	0.000	0.000	0.000
METHON POWER (NDPL)	7.899	7.784	7.784	7.574
DVC MEJIA (LT-08)(BYPL)	59.966	59.178	59.178	57.704
ORISSA	0.000	0.000	0.000	0.000
GUJRAT	0.879	0.865	0.865	0.843
HIMACHAL PRADESH	65.538	64.879	64.879	63.280
WEST BENGAL	2.053	2.025	2.025	1.973
MADHYA PRADESH(WR)	69.454	68.192	68.192	66.494
JAMMU & KASHMIR	80.664	79.845	79.845	77.863
HARYANA (FOR NDPL) LT-09	19.962	19.698	19.698	19.208
HARYANA (LT -05)	7.506	7.402	7.402	7.210
PUNJAB	0.000	0.000	0.000	0.000
URS	0.000	0.000	0.000	0.000
JHARKHAND	28.237	27.939	27.939	27.225
MAHARASHTRA	0.000	0.000	0.000	0.000
MEGHALAYA	0.000	0.000	0.000	0.000
POWER EXCHANGE(IEX)	25.964	25.313	25.964	25.313
POWER EXCHANGE(PX)	0.008	0.008	0.008	0.008
TOTAL	**2241.795**	**2680.935**	**2587.171**	**2522.905**

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

NAME OF THE STATION	AVAILABILITY AT POWER PLANT	AVAILABILITY AT PERIPHERY	ALLOCATION MADE BY NRLDC AT POWER PLANT	ALLOCATION MADE BY NRLDC AT POWER PERIPHERY
TO CHHATISHGARH	0.000	0.000	0.000	0.000
TO MADHYA PRADESH	0.000	0.000	0.000	0.000
TO WEST BENGAL	0.000	0.000	0.000	0.000
TO JAMMU & KASHMIR	-0.580	-0.586	-0.586	-0.606
TO JHARKHAND	0.000	0.000	0.000	0.000
TO RAJASTHAN	0.000	0.000	0.000	0.000
TO HIMACHAL PRADESH	0.000	0.000	0.000	0.000
TO ASSAM	0.000	0.000	0.000	0.000
TO UTTAR PRADESH	0.000	0.000	0.000	0.000
TO POWER EXCHANGE (IEX)	-97.912	-100.424	-97.912	-100.424
TO POWER EXCHANGE (PX)	-2.573	-2.637	-2.573	-2.637
TO SHARE PROJECT (HARYANA)	-9.980	-10.236	-9.980	-10.236
TO SHARE PROJECT (PUNJAB)	-8.130	-8.340	-8.130	-8.340
TOTAL	**-119.175**	**-122.223**	**-119.180**	**-122.243**
TOTAL SCHEDULED DRAWAL FROM THE GRID	**2622.621**	**2558.712**	**2467.991**	**2400.662**
TOTAL CONSUMPTION INCLUDING AUX. OF GENERATING STNs. EXCLUDING BTPS				2970.428
NET CONSUMPTION				2945.912
AVAILABILITY WITHIN DELHI				791.506
ACTUAL DRAWAL FROM THE GRID				2154.406
OVER DRAWAL(+)/UNDER DRAWAL(-) FROM THE GRID ON THE BASIS OF SCHEDULED ALLOCATION MADE BY NRLDC TO DELHI AT PERIPHERY				-246.256
LOAD SHEDDING				**15.185**
UNRESTRICTED DEMAND (GROSS)				**2985.613**
UNRESTRICTED DEMAND (NET)				**2961.097**
MAX. NET CONSUMPTION				104.435Mus. ON 25.06.2012
MAX. LOAD SHEDDING				406MW ON 01.06.2012 AT 23.00HRS.
PEAK LOAD	Peak Demand during the month			SHEDDING AT PEAK TIME
DAY PEAK	5389MW AT 15.56.34HRS ON 26.06.2012			57MW
EVENING PEAK	5011MW AT 23.00.20HRS ON 27.06.2012			95MW
P.L.F. OF GENCO AND PRAGATI STNs.	RPH			78.60%
	GT			72.44%
	PRAGATI			84.57%
	RITHALA			24.04%
	BAWANA			37.91%

9 SHEDDING DETAILS DURING THE MONTH OF JUNE 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-Jun-12	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.033	0.078	0.000
2-Jun-12	0	0.000	0.000	0.000	0.000	**0.000**	0.129	0.299	0.197	0.000
3-Jun-12	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
4-Jun-12	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
5-Jun-12	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
6-Jun-12	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
7-Jun-12	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
8-Jun-12	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.012	0.000
9-Jun-12	1	0.000	0.003	0.000	0.000	**0.003**	0.000	0.160	0.000	0.000
10-Jun-12	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
11-Jun-12	2	0.004	0.004	0.000	0.000	**0.008**	0.000	0.384	0.264	0.000
12-Jun-12	4	0.006	0.051	0.003	0.000	**0.060**	0.000	0.376	0.571	0.000
13-Jun-12	1	0.000	0.022	0.000	0.000	**0.022**	0.000	0.466	0.320	0.000
14-Jun-12	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.620	0.211	0.000
15-Jun-12	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.055	0.072	0.000
16-Jun-12	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.020	0.000
17-Jun-12	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.015	0.000	0.000
18-Jun-12	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
19-Jun-12	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.020	0.000
20-Jun-12	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
21-Jun-12	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
22-Jun-12	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.043	0.084	0.000
23-Jun-12	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.120	0.000	0.000
24-Jun-12	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.003	0.000	0.000
25-Jun-12	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.015	0.080	0.000
26-Jun-12	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.141	0.000	0.000
27-Jun-12	1	0.034	0.000	0.000	0.000	**0.034**	0.000	0.245	0.000	0.000
28-Jun-12	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.012	0.000	0.000
29-Jun-12	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
30-Jun-12	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.127	0.230	0.000
TOTAL	**9**	**0.044**	**0.080**	**0.003**	**0.000**	**0.127**	**0.129**	**3.114**	**2.159**	**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-Jun-12	0.000	0.000	0.000	0.000	**0.111**	**0.111**	0.024	0.151	0.217	0.000	0.000
2-Jun-12	0.000	0.000	0.000	0.000	**0.625**	**0.625**	0.113	0.000	0.032	0.000	0.000
3-Jun-12	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.025	0.000	0.000	0.000
4-Jun-12	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.004	0.007	0.000	0.000
5-Jun-12	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.049	0.020	0.000	0.000
6-Jun-12	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.005	0.000	0.000	0.000
7-Jun-12	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
8-Jun-12	0.000	0.000	0.000	0.000	**0.012**	**0.012**	0.000	0.000	0.000	0.000	0.000
9-Jun-12	0.000	0.000	0.000	0.000	**0.160**	**0.163**	0.011	0.004	0.018	0.000	0.000
10-Jun-12	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.015	0.029	0.000	0.000	0.000
11-Jun-12	0.000	0.000	0.000	0.000	**0.648**	**0.656**	0.000	0.000	0.000	0.000	0.000
12-Jun-12	0.000	0.000	0.000	0.000	**0.947**	**1.007**	0.000	0.102	0.007	0.000	0.000
13-Jun-12	0.000	0.000	0.000	0.000	**0.786**	**0.808**	0.000	0.018	0.000	0.000	0.000
14-Jun-12	0.000	0.000	0.000	0.000	**0.831**	**0.831**	0.000	0.000	0.000	0.000	0.000
15-Jun-12	0.000	0.000	0.000	0.000	**0.127**	**0.127**	0.001	0.047	0.000	0.000	0.000
16-Jun-12	0.000	0.000	0.000	0.000	**0.020**	**0.020**	0.000	0.019	0.001	0.000	0.000
17-Jun-12	0.000	0.000	0.000	0.000	**0.015**	**0.015**	0.017	0.089	0.000	0.000	0.000
18-Jun-12	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.005	0.000	0.000
19-Jun-12	0.000	0.000	0.000	0.000	**0.020**	**0.020**	0.000	0.005	0.010	0.000	0.000
20-Jun-12	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.005	0.000	0.000
21-Jun-12	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.004	0.000	0.000	0.000
22-Jun-12	0.000	0.000	0.000	0.000	**0.127**	**0.127**	0.000	0.615	0.031	0.000	0.000
23-Jun-12	0.000	0.000	0.000	0.000	**0.120**	**0.120**	0.008	0.008	0.003	0.000	0.000
24-Jun-12	0.000	0.000	0.000	0.000	**0.003**	**0.003**	0.022	0.006	0.000	0.000	0.000
25-Jun-12	0.000	0.000	0.000	0.000	**0.095**	**0.095**	0.028	0.057	0.001	0.000	0.000
26-Jun-12	0.000	0.000	0.000	0.000	**0.141**	**0.141**	0.000	0.008	0.020	0.000	0.000
27-Jun-12	0.000	0.000	0.000	0.000	**0.245**	**0.279**	0.045	0.051	0.000	0.000	0.000
28-Jun-12	0.000	0.000	0.000	0.000	**0.012**	**0.012**	0.000	0.032	0.000	0.000	0.000
29-Jun-12	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.002	0.000	0.000	0.000
30-Jun-12	0.000	0.000	0.000	0.000	**0.357**	**0.357**	0.006	0.080	0.000	0.000	0.000
TOTAL	**0.000**	**0.000**	**0.000**	**0.000**	**5.402**	**5.529**	**0.290**	**1.410**	**0.377**	**0.000**	**0.000**

ALL FIGURES IN MUs

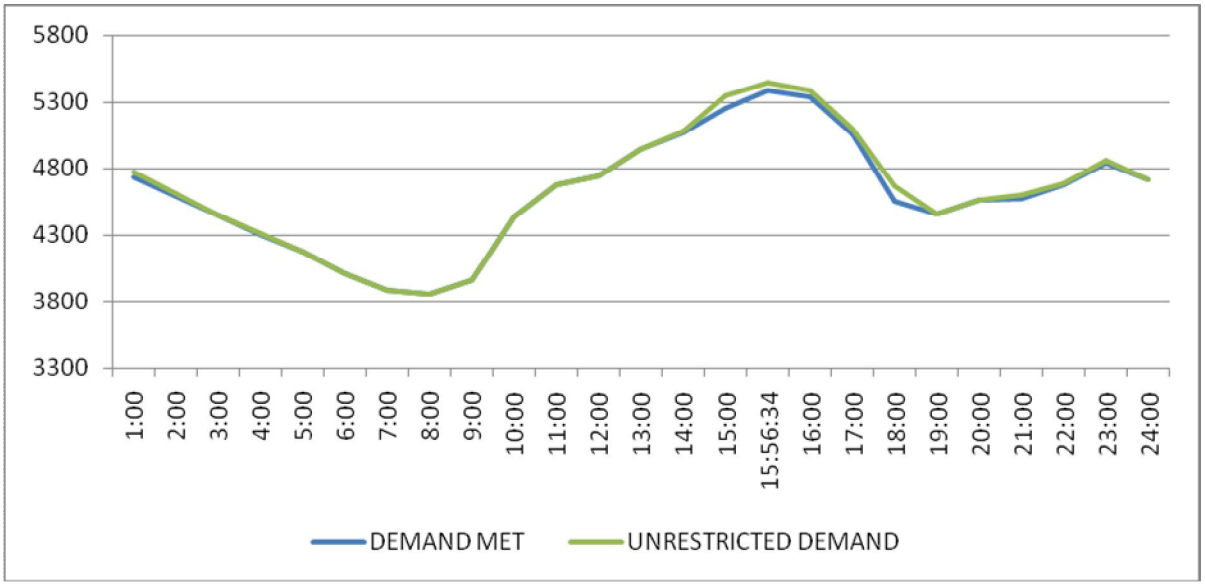
DATE	DUE TO T&D CONTRAINTS				OTHER AGENCIES LIKE GENCO, BBMB, BTPS ETC.	THEFT PRONE SHEDDING			TOTAL SHEDDING DUE TO T&D CONSTS. & THEFT PRONE	GRAND TOTAL
	DISCOMS									
	BSES		NDPL	NDMC		BSES		NDPL		
	BYPL	BRPL				BYPL	BRPL			
1	23	24	25		26	27	28	29	30=18 to29	31=30+17
1-Jun-12	0.147	0.702	0.048	0.000	0.000	0.000	0.000	0.000	**1.289**	**1.400**
2-Jun-12	0.152	0.801	0.025	0.000	0.000	0.000	0.000	0.000	**1.123**	**1.748**
3-Jun-12	0.006	0.192	0.006	0.000	0.000	0.000	0.000	0.000	**0.229**	**0.229**
4-Jun-12	0.008	0.119	0.011	0.000	0.000	0.000	0.000	0.000	**0.149**	**0.149**
5-Jun-12	0.002	0.143	0.035	0.000	0.000	0.000	0.000	0.000	**0.249**	**0.249**
6-Jun-12	0.002	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.007**	**0.007**
7-Jun-12	0.020	0.005	0.005	0.000	0.000	0.000	0.000	0.000	**0.030**	**0.030**
8-Jun-12	0.005	0.008	0.017	0.000	0.000	0.000	0.000	0.000	**0.030**	**0.042**
9-Jun-12	0.006	0.003	0.001	0.000	0.000	0.000	0.000	0.000	**0.043**	**0.206**
10-Jun-12	0.019	0.018	0.000	0.000	0.000	0.000	0.000	0.000	**0.081**	**0.081**
11-Jun-12	0.017	0.034	0.000	0.000	0.000	0.000	0.000	0.000	**0.051**	**0.707**
12-Jun-12	0.004	0.038	0.013	0.000	0.000	0.000	0.000	0.000	**0.164**	**1.171**
13-Jun-12	0.001	0.112	0.000	0.000	0.000	0.000	0.000	0.000	**0.131**	**0.939**
14-Jun-12	0.007	0.205	0.011	0.000	0.000	0.000	0.000	0.000	**0.223**	**1.054**
15-Jun-12	0.005	0.063	0.002	0.000	0.026	0.000	0.000	0.000	**0.144**	**0.271**
16-Jun-12	0.024	0.049	0.002	0.000	0.000	0.000	0.000	0.000	**0.095**	**0.115**
17-Jun-12	0.003	0.069	0.000	0.000	0.271	0.000	0.000	0.000	**0.449**	**0.464**
18-Jun-12	0.040	0.044	0.030	0.000	0.176	0.000	0.000	0.000	**0.295**	**0.295**
19-Jun-12	0.019	0.281	0.003	0.000	0.044	0.000	0.000	0.000	**0.362**	**0.382**
20-Jun-12	0.030	0.096	0.000	0.000	0.015	0.000	0.000	0.000	**0.146**	**0.146**
21-Jun-12	0.019	0.278	0.209	0.000	0.279	0.000	0.000	0.067	**0.856**	**0.856**
22-Jun-12	0.017	0.354	0.154	0.000	0.027	0.000	0.000	0.024	**1.222**	**1.349**
23-Jun-12	0.029	0.269	0.001	0.000	0.000	0.000	0.000	0.077	**0.395**	**0.515**
24-Jun-12	0.006	0.089	0.000	0.000	0.000	0.000	0.000	0.068	**0.191**	**0.194**
25-Jun-12	0.100	0.129	0.028	0.000	0.000	0.000	0.000	0.069	**0.412**	**0.507**
26-Jun-12	0.020	0.212	0.010	0.000	0.000	0.000	0.000	0.065	**0.335**	**0.476**
27-Jun-12	0.031	0.068	0.017	0.000	0.000	0.000	0.000	0.049	**0.261**	**0.540**
28-Jun-12	0.011	0.074	0.009	0.000	0.000	0.000	0.000	0.046	**0.172**	**0.184**
29-Jun-12	0.101	0.060	0.017	0.000	0.021	0.000	0.000	0.046	**0.247**	**0.247**
30-Jun-12	0.029	0.127	0.008	0.000	0.000	0.000	0.000	0.025	**0.275**	**0.632**
TOTAL	**0.880**	**4.642**	**0.662**	**0.000**	0.859	**0.000**	**0.000**	**0.536**	**9.656**	**15.185**

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-Jun-12	102.321	5178	16:07:59	57	5235	5235	16:07:59	5178	57
2-Jun-12	94.784	4888	15:32:09	86	4974	4974	15:32:09	4888	86
3-Jun-12	88.902	4482	00:17:49	21	4503	4503	00:17:49	4482	21
4-Jun-12	97.186	5166	16:00:35	13	5179	5179	16:00:35	5166	13
5-Jun-12	93.157	5007	14:08:10	8	5015	5015	14:08:10	5007	8
6-Jun-12	88.674	4689	15:33:10	0	4689	4689	15:33:10	4689	0
7-Jun-12	88.202	4509	14:28:15	0	4509	4509	14:28:15	4509	0
8-Jun-12	90.438	4547	16:30:50	7	4554	4554	16:30:50	4547	7
9-Jun-12	91.643	4513	23:25:36	11	4524	4524	23:25:36	4513	11
10-Jun-12	90.102	4573	23:25:52	13	4586	4586	23:25:52	4573	13
11-Jun-12	96.719	4716	14:33:09	118	4834	4840	16:00	4579	261
12-Jun-12	99.300	4888	16:05:15	91	4979	4988	15:00	4732	256
13-Jun-12	99.366	4865	23:17:09	13	4878	5124	15:00	4805	319
14-Jun-12	101.517	4941	14:58:27	98	5039	5152	15:30	4883	269
15-Jun-12	101.444	5265	14:36:26	11	5276	5276	14:36:26	5265	11
16-Jun-12	101.241	5020	15:24:20	2	5022	5022	15:24:20	5020	2
17-Jun-12	95.528	4802	23:37:00	47	4849	4849	23:37:00	4802	47
18-Jun-12	98.307	4847	15:50:45	0	4847	4847	15:50:45	4847	0
19-Jun-12	98.802	5058	15:39:32	48	5106	5106	15:39:32	5058	48
20-Jun-12	100.538	5127	16:31:08	17	5144	5144	16:31:08	5127	17
21-Jun-12	103.109	5271	15:13:33	84	5355	5355	15:13:33	5271	84
22-Jun-12	103.954	5330	15:49'32	142	5472	5472	15:49:32	5330	142
23-Jun-12	103.823	5136	15:23:11	42	5178	5178	15:23:11	5136	42
24-Jun-12	95.082	4909	23:30:04	19	4928	4928	23:30:04	4909	19
25-Jun-12	104.435	5318	16:30:01	9	5327	5327	16:30:01	5318	9
26-Jun-12	104.350	5389	15:56:34	57	5446	5446	15:56:34	5389	57
27-Jun-12	103.583	5162	15:21:14	28	5190	5190	15:21:14	5162	28
28-Jun-12	104.218	5302	15:08:30	29	5331	5331	15:08:30	5302	29
29-Jun-12	101.813	5363	14:47:14	4	5367	5367	14:47:14	5363	4
30-Jun-12	103.374	5133	15:32:27	74	5207	5207	15:32:27	5133	74
Total	**2945.912**	**5389** **20.06.2012**	15.56.34	57	**5446**	**5472** 22.06.2012	15.49.32	5330	142

10 LOAD PATTERN OF DELHI ON THE DAY OF PEAK DEMAND MET DURING JUNE 2012 ON 26.06.2012- 5389MW at 15.56.34HRS.

All figures in MW

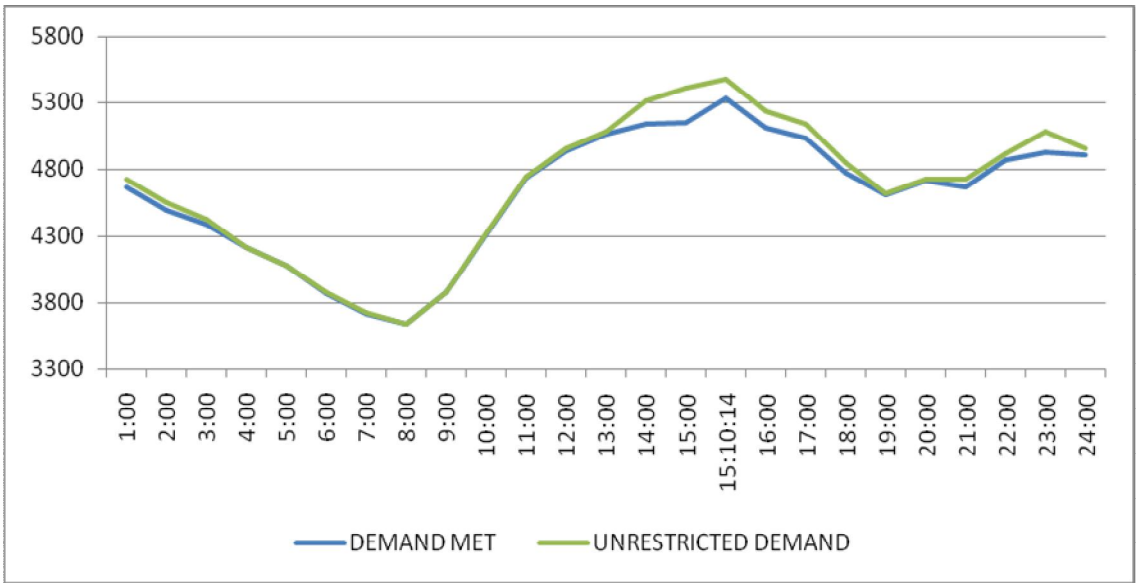
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1:00	4735	41	4776
2:00	4594	12	4606
3:00	4441	3	4444
4:00	4305	7	4312
5:00	4175	0	4175
6:00	4017	0	4017
7:00	3885	0	3885
8:00	3856	0	3856
9:00	3964	0	3964
10:00	4440	0	4440
11:00	4677	0	4677
12:00	4743	0	4743
13:00	4941	3	4944
14:00	5067	15	5082
15:00	5257	94	5351
15:56:34	5389	57	5446
16:00	5337	48	5385
17:00	5062	38	5100
18:00	4551	117	4668
19:00	4453	0	4453
20:00	4560	0	4560
21:00	4566	37	4603
22:00	4678	4	4682
23:00	4841	18	4859
24:00	4719	0	4719
ENERGY IN MUS	**104.350**	**0.476**	**104.826**



11 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UN-RESTRICTED DEMAND DURING JUNE 2012 ON 22.06.2012- 5472MW at 15.49.32HRS.

All figures in MW

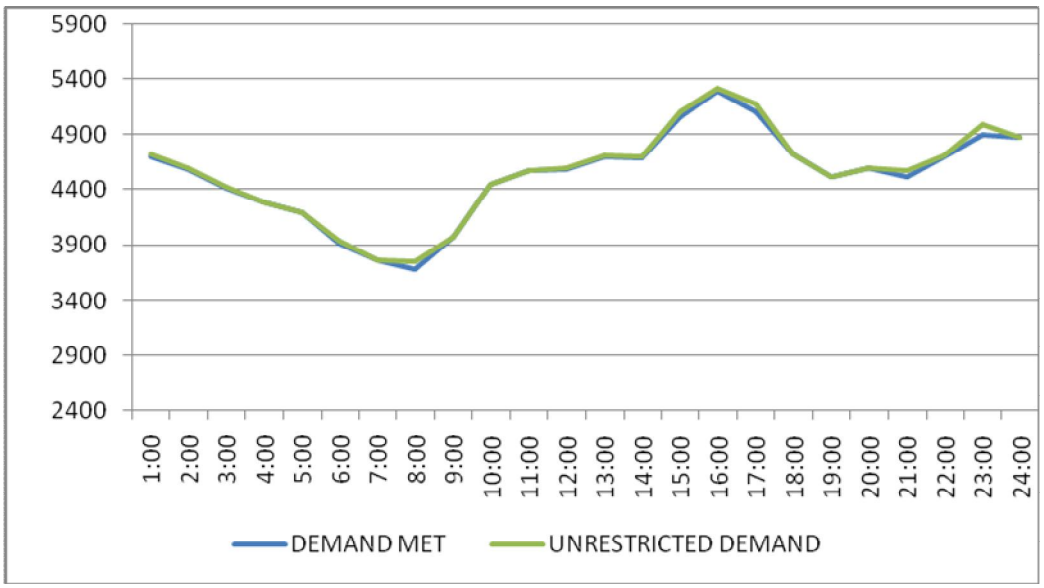
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1:00	4663	64	4727
2:00	4496	51	4547
3:00	4383	41	4424
4:00	4215	2	4217
5:00	4080	0	4080
6:00	3865	8	3873
7:00	3717	10	3727
8:00	3640	0	3640
9:00	3880	0	3880
10:00	4315	8	4323
11:00	4735	7	4742
12:00	4933	26	4959
13:00	5061	21	5082
14:00	5137	176	5313
15:00	5146	261	5407
16:00	5105	127	5232
17:00	5028	113	5141
18:00	4771	81	4852
19:00	4606	15	4621
20:00	4718	6	4724
21:00	4668	60	4728
22:00	4873	45	4918
23:00	4925	155	5080
24:00	4910	45	4955
ENERGY IN MUS	**103.954**	**1.349**	**105.303**



12 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM ENERGY CONSUMED DURING JUNE 2012 – 25.06.2012 – 104.435 Mus

All figures in MW

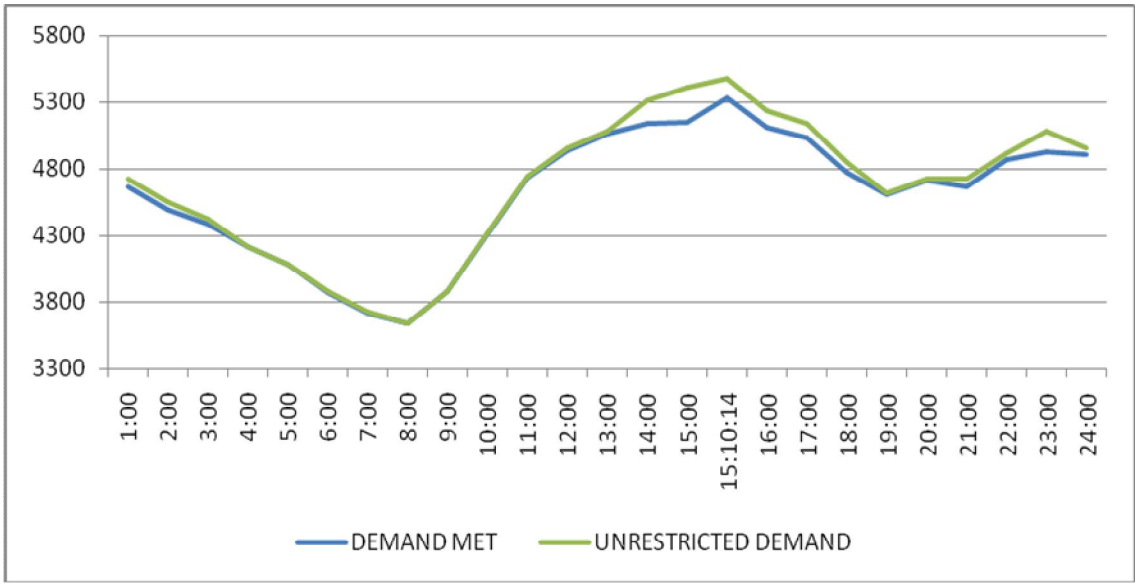
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1:00	4698	24	4722
2:00	4585	18	4603
3:00	4410	11	4421
4:00	4287	4	4291
5:00	4190	0	4190
6:00	3911	22	3933
7:00	3765	0	3765
8:00	3689	70	3759
9:00	3976	0	3976
10:00	4446	0	4446
11:00	4577	0	4577
12:00	4593	2	4595
13:00	4706	8	4714
14:00	4694	5	4699
15:00	5066	43	5109
16:00	5295	26	5321
17:00	5106	70	5176
18:00	4728	0	4728
19:00	4516	0	4516
20:00	4594	0	4594
21:00	4520	53	4573
22:00	4703	17	4720
23:00	4905	88	4993
24:00	4874	0	4874
ENERGY IN MUS	**104.435**	**0.507**	**104.942**



13 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UNRESTRICTED ENERGY DEMAND DURING JUNE 2012 – 22.06.2012 – 105.303 Mus

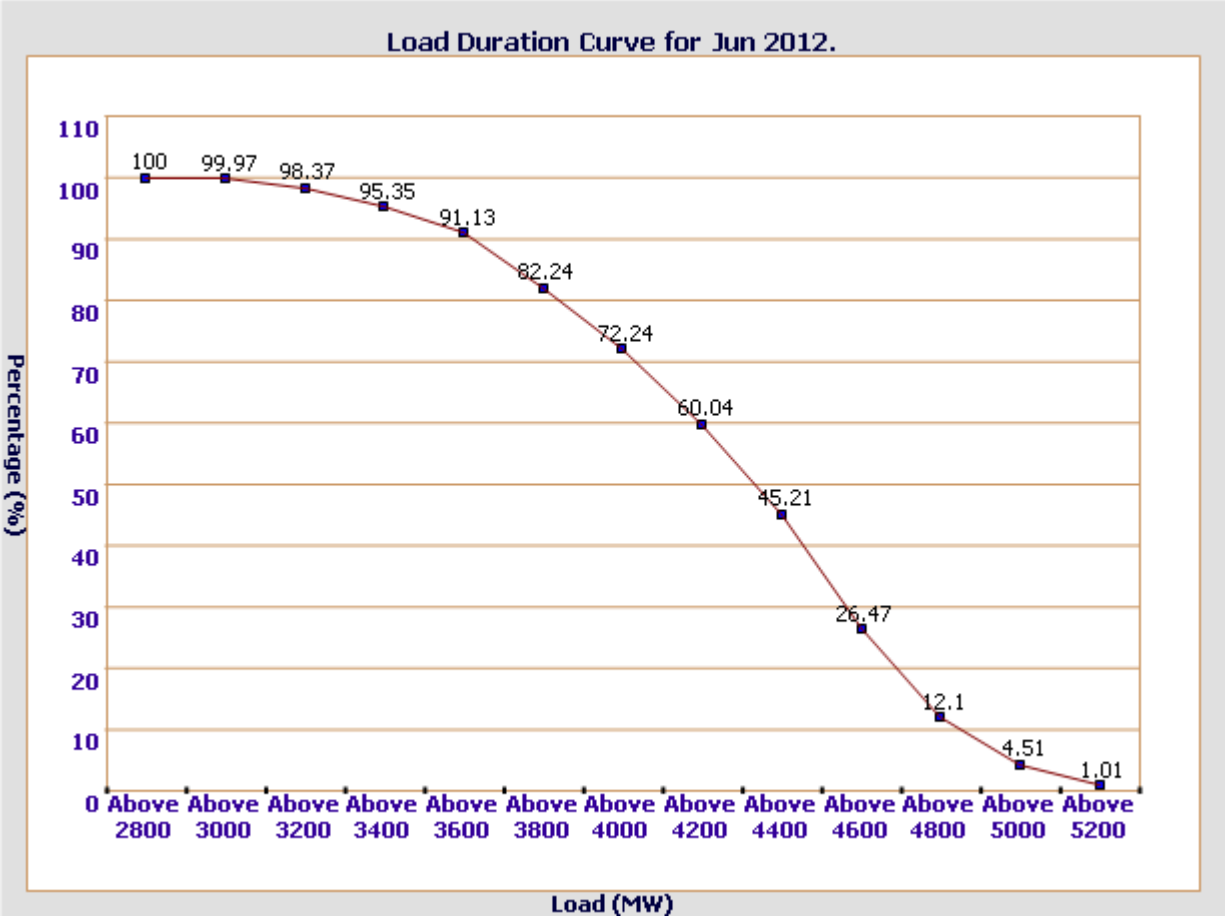
All figures in MW

Hrs.	Demand	Load Shedding	Un-Restricted Demand
1:00	4663	64	4727
2:00	4496	51	4547
3:00	4383	41	4424
4:00	4215	2	4217
5:00	4080	0	4080
6:00	3865	8	3873
7:00	3717	10	3727
8:00	3640	0	3640
9:00	3880	0	3880
10:00	4315	8	4323
11:00	4735	7	4742
12:00	4933	26	4959
13:00	5061	21	5082
14:00	5137	176	5313
15:00	5146	261	5407
15:10:14	5330	142	5472
16:00	5105	127	5232
17:00	5028	113	5141
18:00	4771	81	4852
19:00	4606	15	4621
20:00	4718	6	4724
21:00	4668	60	4728
22:00	4873	45	4918
23:00	4925	155	5080
24:00	4910	45	4955
ENERGY IN MUS	**103.954**	**1.349**	**105.303**



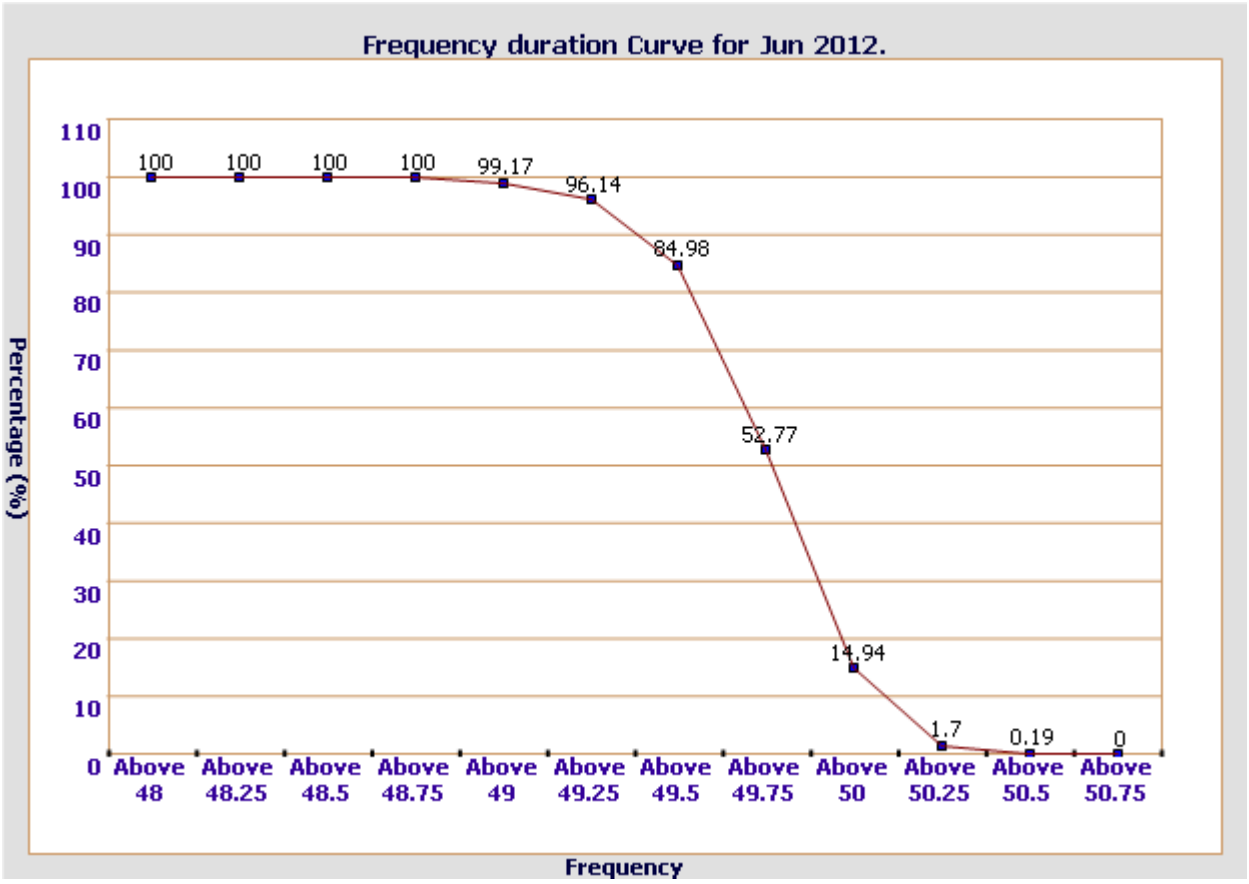
14 LOAD DURATION CURVE FOR JUNE 2012

Load in MW	Percentage of Time
Above 2800	100 %
Above 3000	99.97 %
Above 3200	98.37 %
Above 3400	95.35 %
Above 3600	91.13 %
Above 3800	82.24 %
Above 4000	72.24 %
Above 4200	60.04 %
Above 4400	45.21 %
Above 4600	26.47 %
Above 4800	12.1 %
Above 5000	4.51 %
Above 5200	1.01 %



15 FREQUENCY ANALYSIS FOR THE MONTH OF JUNE 2012

Frequency Range in Hz.	Percentage of time
Above 48.75	100 %
Above 49	99.17 %
Above 49.25	96.14 %
Above 49.5	84.98 %
Above 49.75	52.77 %
Above 50	14.94 %
Above 50.25	1.7 %
Above 50.5	0.19 %
Above 50.75	0 %



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

All figures in kV

Date	NARELA		GAZIPUR	
	Max	Min	Max	Min
1-Jun-12	221.57	209.19	222.09	208.67
2-Jun-12	223.76	--	225.95	210.87
3-Jun-12	214.35	214.35	227.63	209.96
4-Jun-12	214.35	214.35	226.08	209.19
5-Jun-12	214.35	214.35	226.99	212.41
6-Jun-12	224.15	212.67	227.50	218.35
7-Jun-12	223.63	212.03	223.38	223.38
8-Jun-12	224.15	214.09	224.92	213.06
9-Jun-12	223.38	213.96	224.79	213.19
10-Jun-12	224.41	212.67	218.47	218.47
11-Jun-12	224.28	212.54	224.02	212.67
12-Jun-12	224.28	212.80	226.21	214.09
13-Jun-12	222.21	213.19	223.38	213.70
14-Jun-12	224.79	212.41	224.28	214.48
15-Jun-12	223.50	210.09	224.79	210.09
16-Jun-12	222.47	212.54	223.76	209.45
17-Jun-12	224.28	211.12	226.08	207.51
18-Jun-12	225.44	212.54	226.73	209.19
19-Jun-12	225.44	210.22	228.53	209.45
20-Jun-12	223.50	209.45	224.15	209.45
21-Jun-12	222.47	207.51	224.66	207.51
22-Jun-12	222.09	208.16	222.21	205.32
23-Jun-12	220.92	207.64	228.86	207.64
24-Jun-12	225.05	210.87	226.86	211.12
25-Jun-12	221.57	209.32	221.05	211.25
26-Jun-12	222.34	212.03	224.66	212.80
27-Jun-12	223.38	210.61	225.44	210.22
28-Jun-12	221.70	210.61	223.76	210.87
29-Jun-12	222.99	209.83	224.66	210.09
30-Jun-12	223.12	210.87	224.79	211.38

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

All figures in kV

Date	400kV Bamnauli Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
1-Jun-12	404.03	07.03.47	382.22	16.22.40	392.39
2-Jun-12	406.61	18.21.38	385.27	15.16.38	394.36
3-Jun-12	412.70	17.04.52	384.56	23.16.12	398.41
4-Jun-12	408.95	18.04.22	381.75	14.17.18	394.78
5-Jun-12	409.65	18.06.59	384.09	13.56.19	397.43
6-Jun-12	410.36	06.05.12	386.44	15.22.49	397.80
7-Jun-12	405.67	03.06.11	387.38	00.07.19	396.30
8-Jun-12	406.37	18.03.31	390.43	15.35.11	397.47
9-Jun-12	405.67	06.01.20	386.67	08.21.37	396.80
10-Jun-12	408.01	18.03.05	388.08	00.49.11	397.23
11-Jun-12	407.78	05.28.11	367.67	14.19.28	398.16
12-Jun-12	407.54	05.43.59	389.72	10.10.15	397.89
13-Jun-12	406.14	18.02.55	385.50	08.52.59	395.84
14-Jun-12	410.83	18.35.59	388.78	08.24.18	397.59
15-Jun-12	408.95	18.49.40	383.39	16.13.31	395.20
16-Jun-12	403.32	06.53.13	380.81	16.51.46	393.24
17-Jun-12	408.08	18.03.31	381.75	00.25.44	394.60
18-Jun-12	410.83	--	383.86	--	396.16
19-Jun-12	411.53	06.03.00	380.34	13.47.26	395.46
20-Jun-12	404.49	06.04.01	382.22	16.19.47	395.12
21-Jun-12	406.37	19.54.39	379.64	16.24.28	394.12
22-Jun-12	403.32	18.57.52	381.75	14.33.38	394.26
23-Jun-12	403.79	06.03.12	379.40	13.58.47	394.36
24-Jun-12	413.17	18.02.36	390.19	00.08.20	399.19
25-Jun-12	408.95	06.05.07	379.40	13.50.22	397.33
26-Jun-12	406.61	07.54.35	386.20	14.20.08	397.49
27-Jun-12	408.01	07.54.35	385.50	14.16.01	398.07
28-Jun-12	405.67	06.02.14	385.74	12.16.55	397.28
29-Jun-12	410.36	06.02.41	397.47	01.01.55	401.29
30-Jun-12	408.95	06.03.51	385.74	17.28.33	398.47

Date	400kV Bawana Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
1-Jun-12	407.78	07.02.57	387.85	16.25.01	397.11
2-Jun-12	411.30	18.14.18	387.61	15.02.17	399.10
3-Jun-12	416.69	18.06.36	389.72	23.16.32	402.36
4-Jun-12	413.64	18.04.32	388.08	14.17.18	399.68
5-Jun-12	416.69	17.59.18	391.36	13.58.20	403.68
6-Jun-12	415.98	06.05.02	392.07	12.50.45	404.45
7-Jun-12	412.23	06.03.31	394.68	00.06.59	403.14
8-Jun-12	413.17	18.04.01	398.16	15.18.56	404.33
9-Jun-12	411.30	06.01.20	393.71	08.23.17	403.74
10-Jun-12	414.34	18.03.15	396.29	00.48.10	403.58
11-Jun-12	413.64	05.29.01	394.41	13.53.37	404.41
12-Jun-12	412.47	06.03.20	396.76	23.05.48	403.99
13-Jun-12	408.72	06.03.00	391.36	08.53.19	401.25
14-Jun-12	414.81	18.36.29	392.30	08.25.08	401.59
15-Jun-12	412.47	18.49.40	389.25	16.13.31	400.12
16-Jun-12	407.31	06.54.02	386.67	16.21.34	397.73
17-Jun-12	412.23	18.01.11	386.67	00.25.54	398.97
18-Jun-12	413.87	--	388.78	--	401.19
19-Jun-12	415.52	06.02.50	386.44	13.47.46	401.15
20-Jun-12	409.18	19.00.17	388.78	16.18.07	400.15
21-Jun-12	410.36	19.56.19	386.20	16.25.38	398.94
22-Jun-12	408.48	18.58.12	389.02	14.43.19	399.42
23-Jun-12	408.48	21.01.30	386.91	14.17.58	399.04
24-Jun-12	416.22	18.02.46	396.29	00.07.20	403.60
25-Jun-12	410.12	19.02.50	393.71	09.37.38	402.43
26-Jun-12	411.06	19.31.48	392.30	11.40.47	402.15
27-Jun-12	412.23	07.54.35	390.89	14.15.41	402.76
28-Jun-12	408.95	18.58.03	390.43	12.16.13	402.69
29-Jun-12	410.36	06.02.41	393.47	01.01.55	401.29
30-Jun-12	408.01	00.00.09	397.93	23.11.02	402.51

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 JUNE 2012

SL NO.	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
01	01.06.12	06.24	400KV MANDOLA – BAWANA CKT-I	01.06.12	15.51	CB-1552 OF THE CKT. TRIPPED ON POLE DISCREPANY AT BAWANA.
02	01.06.12	16.31	220KV MANDOLA – GOPALPUR CKT-I	02.06.12	02.11	CKT. TRIPPED ON DIST PROT `R' PHASE, 186B, 86R, 86T AT MANDOLA AND ON DIST PROT `RYB' PHASE ZONE-I AT GOPALPUR.
03	01.06.12	20.38	220KV BAMNAULI – PAPPANKALAN-II CKT-II	01.06.12	21.00	CKT. TRIPPED ON DIST PROT `A' PHASE, 186A&B AT BAMNAULI. NO TRIPPING AT PAPPANKALAN-II
04	01.06.12	22.57	220/66KV 100MVA PR. TR-III AT ROHINI	01.06.12	23.57	TR. TRIPPED ON CB AUTO TRIP, 86A-B GROUP, OIL TEMP. TRIP ALONG WITH 66KV I/C-III WHICH TRIPPED ON AUTO TRIP. 66 I/C-I, II & IV ASLO TRIPPED ON 86, 51C. 66KV I/C-I, II, III & IV CHARGED AT 23.07HRS, 23.08HRS, 23.50HRS. AND 23.12HRS RESPECTIVELY.
05	02.06.12	01.22	220/66KV 100MVA PR. TR.-I AT GAZIPUR	02.06.12	14.38	TR. TRIPPED ON TRIP CKT FAULTY ALONG WITH 66KV I/C-I & II. 66KV I/C-I TRIPPED WITHOUT INDICATION AND 66KV I/C-II TRIPPED ON 86, O/C. `B' PHASE CT OF 66KV I/C-I BLASTED AND CAUGHT FIRE. 66KV I/C-II CHARGED AT 02.25HRS. AND I/C-I COULD BE CHARGED AT 14.38HRS.
06	02.06.12	18.32	220KV PANIPAT – NARELA CKT-III	02.06.12	19.04	CKT. TRIPPED ON DIST PROT `ABC' PHASE ZONE-I AT NARELA. RELAY INDICATIONS AT PANIPAT END ARE NOT AVAILABLE
07	02.06.12	19.34	400KV MANDOLA – BAWANA CKT-I	02.06.12	23.10	CB-1552 TRIPPED ON CARRIER LOCK OUT, 85LO, 186AB, 295AC AND CB-1652 TRIPPED ON 186A&B AT BAWANA. NO TRIPPING AT MANDOLA.
08	02.06.12	20.51	220KV BTPS – MEHRAULI CKT-I	02.06.12	21.40	CKT. TRIPPED ON 186, 86X1, Y2, 30AB AT BTPS AND ON 186, 186, ACTIVE GROUP, DIST PROT `ABC' PHASE ZONE-I AT MEHRAULI.
09	02.06.12	20.54	220KV MANDOLA – GOPALPUR CKT-II	02.06.12	21.08	CKT. TRIPPED ON DIST PROT `RYB' PHASE AT MANDOLA AND ON DIST PROT `B' PHASE ZONE-I AT GOPALPUR.
10	02.06.12	22.45	400KV BAWANA – MUNDKA CKT-II	02.06.12	23.52	CB-452 TRIPPED ON AN ZONE-I, AIDED TRIP, 85LO, 186 AND CB-453 TRIPPED MANNULAY AT BAWANA DUE TO UNBALANCING OF LOAD REPORTED AT MUNDKA ON BAWANA CKT-II.
11	02.06.12	22.38	220KV BTPS – MEHRAULI CKT-I	03.06.12	09.31	CKT. TRIPPED ON 30AB, E/F AT BTPS AND ON DIST PROT `ABC' PHASE AT MEHRAULI. CKT. BACK CHARGED AT 23.59HRS. AND HELD OK. BUT BTPS DID NOT CLOSE THE CKT. AT BTPS. BTPS COULD CLOSE THE CKT. AT 09.31HRS. ON 03.06.2012.
12	02.06.12	23.05	220KV NAJAFGARH – KANJHAWALA CKT.	02.06.12	23.05	CKT. TRIPPED ON DIST PROT `ABC' PHASE ZONE-I AT NAJAFGARH. 220KV BUS COUPLER TRIPPED ON 50/51R, 50/51N, 86 AT KANJHAWALA.
13	03.06.12	23.25	220KV BTPS – NOIDA – GAZIPUR CKT.	03.06.12	23.45	CKT. TRIPPEDO N `R' PHASE E/F AT BTPS. NO TRIPPING AT GAZIPUR.
14	03.06.12	03.24	220KV BTPS – OKHLA CKT-I	03.06.12	03.58	CKT. TRIPPED ON 30C, `B' PHASE E/F AT BTPS. NO TRIPPING AT OKHLA.
15	03.06.12	09.48	220KV NARELA – ROHTAK ROAD CKT-II	03.06.12	10.45	CKT. TRIPPED WITHOUT INDICATION AT NARELA. NO TRIPPING AT ROHTAK ROAD.

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
16	03.06.12	21.10	220KV BTPS – MEHRAULI CKT-I	04.06.12	20.49	CKT. TRIPPED ON `R' PHASE E/F , 30AB AT BTPS AND ON DIST PROT `RYB' PHASE AT MEHRAULI.
17	04.06.12	18.58	220KV MANDOLA – GOPALPUR CKT-I	04.06.12	19.39	CKT. TRIPPED ON DIST PROT `R&Y' PHASE ZONE-I AT MANDOLA AND ON DIST PROT `RYB' PHASE ZONE-I AT GOPALPUR.
18	05.06.12	15.22	220KV MANDOLA – GOPALPUR CKT-II	05.06.12	17.07	CKT. TRIPPED ON DIST PROT `RYB' PHASE, ZONE-II AT MANDOLA AND ON DIST PROT `RYB' PHASE ZONE-I AT GOPALPUR.
19	05.06.12	15.25	220KV MAHARANI BAGH – SARITA VIHAR CKT.	05.06.12	15.38	CKT. TRIPPED ON DIST PROT `RYB' PHASE ZONE-II AT MAHARANI BAGH AND ON 195CA, 195CB, 186X, 186A&B AT SARITA VIHAR.
20	05.06.12	18.18	220KV MANDOLA – WAZIRABAD CKT-I	05.06.12	18.54	CKT. TRIPPED ON DIST PROT `RY' PHASE ZONE-I, 186A&B, 86A&B AT MANDOLA AND ON DIST PROT `RYB' PHASE ZONE-I AT WAZIRABAD.
21	06.06.12	18.21	220KV BTPS – MEHRAULI CKT-I	06.05.12	23.09	CKT. TRIPPED ON ACTIVE GROUP-I, DIST PROT `ABC' PHASE ZONE-I AT MEHRAULI. CKT. CLOSED AT 19.02HRS. BUT AGAIN TRIPPED AT 19.07HRS. ON `R' PHASE E/F AT BTPS AND ON DIST PROT `ABC' PHASE ZONE-II AT MEHRAULI. JUMPER FOUND SNAPPED NEAR BTPS END. CKT. FINALLY CHARGED AT 23.09HRS.
22	06.06.12	19.26	220KV PANIPAT – NARELA CKT-III	06.06.12	20.15	CKT. TRIPPED ON DIST PROT `ABC' PHASE ZONE-I AT NARELA. RELAY INDICATIONS AT PANIPAT END ARE NOT AVAILABLE.
23	07.06.12	17.36	220KV BAWANA – SHALIMAR BAGH CKT-II	08.06.12	06.25	CKT. TRIPPED ON DIST PROT 186A&B AT BAWANA. NO TRIPPING AT SHALIMAR BAGH
24	07.06.12	17.26	220KV NARELA – DSIDC CKT-I	07.06.12	17.40	CKT. TRIPPED ON DIST PROT `ABC' PHASE ZONE-I AT NARELA. NO TRIPPING AT DSIDC.
25	07.06.12	18.10	220KV NAELA – ROHTAK ROAD CKT-I	07.06.12	18.11	CKT. TRIPPED ON DIST PROT `ABC' PHASE ZONE-I AT NARELA. NO TRIPPING AT ROHTAK ROAD.
26	09.06.12	10.50	33/11KV 16MVA PR. TR.-I AT SUBZI MANDI	10.06.12	00.37	TR. TRIPPED ON 87RYB, 86.
27	10.06.12	06.48	220KV BAMNAULI – PAPPANKALAN-I CKT-II	10.06.12	07.08	CKT. TRIPPED ON DIST PROT `C' PHASE, 186A&B AT BAMNAULI. NO TRIPPING AT PAPPANKALAN-I.
28	12.06.12	07.05	220/33KV 100MVA PR. TR-I AT IP	12.06.12	07.17	TR. TRIPPED ON O/C `B' PHASE.
29	12.06.12	22.55	33/11KV 20MVA PR. TR.-I AT SHALIMAR BAGH	13.06.12	23.14	TR. TRIPPED ON 74C WINDING TEMP AND 30C.
30	12.06.12	23.44	33/11KV 20MVA PR. TR.-I AT SHALIMAR BAGH	13.06.12	23.52	TR. TRIPPED ON 74C WINDING TEMP AND 30C.
31	13.06.12	07.05	66/11KV 20MVA PR. TR.-II AT PAPPANKALAN-II	13.06.12	16.25	TR. TRIPPED ON DIFFERENTIAL PROTECTION B' PHASE, LBB PROTECTION.
32	15.06.12	08.43	220KV BTPS – NOIDA – GAZIPUR CKT.	15.06.12	09.30	CKT. TRIPPED ON BN, BC, CN ZONE-II, 186A&B AT BTPS. NO TRIPPING AT GAZIPUR.
33	15.06.12	09.45	220/66KV 100MVA PR TR.-I AT GAZIPUR	15.06.12	10.00	TR. TRIPPED ON DIFFERENTIAL THREE PHASE ALONG WITH 66KV I/C-I.
34	16.06.12	02.24	220/66KV 100MVA PR TR. -II AT DSIDC BAWANA	16.06.12	13.01	TR. TRIPPED ON REF DIFFERENTIAL, 86 ALONG WITH 66KV I/C-II WHICH TRIPPED ON INTER TRIPPING. `R' PHASE LA DAMAGED.
35	17.06.12	14.00	400/220KV 315MVA ICT-III AT BAMNAULI	17.06.12	15.18	ICT TRIPPED ON BUCHLOZ.

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
36	17.06.12	14.35	220/33KV 100MVA PR. TR.-II AT LODHI ROAD	17.06.12	21.10	TR. TRIPPED ON O/C, 86B, 87AX.
37	17.06.12	14.50	220KV BTPS – NOIDA – GAZIPUR CKT.	18.06.12	11.50	CKT. TRIPPED ON `C' PHASE E/F AT BTPS. NO TRIPPING AT GAZIPUR. CONDUCTOR SNAPPED NEAR KALINDI KUNJ.
38	18.06.12	07.59	220KV PANIPAT – NARELA CKT-II	18.06.12	09.01	CKT. TRIPPED ON DIST PROT `RYB' PHASE ZONE-I AT NARELA. RELAY INDICATIONS AT PANIPAT END NOT AVAILABLE.
39	18.06.12	18.55	220KV BTPS – NOIDA – GAZIPUR CKT.	19.06.12	18.05	CKT. TRIPPED ON `B' PHASE E/F AT BTPS. NO TRIPPING AT GAZIPUR.
40	19.06.12	01.00	220/33KV 100MVA PR. TR.-I AT NARAINA	19.06.12	14.03	TR. TRIPPED ON 51N (E/F), 86B.
41	19.06.12	07.35	220KV PRAGATI – SARITA VIHAR CKT.	19.06.12	08.02	CKT. TRIPPED ON DIST PROT `C' PHASE, ZONE-I, AUTO RECLOSE LOCK OUT AT SARITA VIHAR AND ON DIST PROT `C' PHASE ZONE-I AT PRAGATI.
42	19.06.12	23.36	33/11KV 20MVA PR. TR. AT SHALIAR BAGH	19.06.12	23.53	TR. TRIPPED ON HIGH WINDING TEMP. ALARM.
43	20.06.12	15.20	220KV BTPS – NOIDA – GAZIPUR CKT.	20.06.12	16.02	CKT. TRIPPED ON DIST PROT `AB' PHASE ZONE-I AT GAZIPUR.
44	20.06.12	19.28	220/66KV 160MVA PR. TR AT MUNDKA	20.06.12	20.30	TR.T RIPPED ON SF6 GAS PRESSURE LOW.
45	20.06.12	21.06	66/11KV 20MVA PR. TR.-I AT OKHLA	20.06.12	21.35	TR. TRIPPED ON O/C `B' PHASE.
46	21.06.12	07.55	220KV BTPS – NOIDA – GAZIPUR CKT.	21.06.12	19.58	CKT. TRIPPED ON CA, CN, 186A&B, 86C AT BTPS. NO TRIPPING AT GAZIPUR. JUMPER FOUND BROKEN AT TOWER NO.7 NEAR BTPS.
47	22.06.12	13.30	220/33KV 100MVA PR. TR.-III & IV AT OKHLA	22.06.12	17.58	100MVA PR. TR.-III TRIPPED O/C AND 100MVA PR. TR.-IV TRIPPED ON 86. 33KV I/C-I, III & IV ALSO TRIPPED ALONGWITH TRANSFOREMRS. 33KV I/C-I TRIPPED ON E/F, 95, 86, 33KV I/C-III TRIPPED ON 86, 81C, 51A AND 33KV I/-IV TRIPPED ON E/F
48	22.06.12	14.03	220KV MANDOLA – GOPALPUR CKT-I	22.06.12	14.16	CKT. TRIPPED ON DIST PROT `R' PHASE AT MANDOLA AND ON DIST PROT `RYB' PHASE ZONE-I, GENERAL TRIPPED AT GOPALPUR.
49	24.06.12	20.19	220KV NAJAFGARH – KANJHAWALA CKT.	25.06.12	14.45	CKT. TRIPPED ON E/F AT KANJHAWALA AND ON DIST PROT `ABC' PHASE, 186 AT NAJAFGARH. CKT. TRIED TO CLOSE AT 23.55HRS. BUT DID NOT HOLD. JUMPER FOUND SNAPPED AT TOWER NO. 175 NEAR MUNDK RAILWAY CROSSING. CKT. FINALLY CHARGED AT 14.45HRS ON 25.06.2012
50	24.06.12	18.00	220KV MANDOLA – GOPALPUR CKT-I	26.06.12	18.16	CKT. TRIPPED ON DIST PROT `R' PHASE AT MANDOLA. NO TRIPPING AT GOPALPUR.
51	30.06.12	11.01	220KV LODHI ROAD – MAHARANI BAGH CKT-II	01.07.12	01.04	CKT. TRIPPED ON L-2 L-3 FAULT LOOP AT MAHARANI AND ON DIST PROT 21QRC, 86A&B AT LODHI ROAD.
52	30.06.12	16.02	220KV LODHI ROAD – MAHARANI BAGH CKT-I	30.06.12	17.46	CKT. TRIPPED ON FAULT LOOP L1-L2 AT MAHARANI BAGH. NO TRIPPING AT LODHI ROAD.
53	30.06.12	17.22	400KV MANDOLA – BAWANA CKT-II	30.06.12	19.50	CKT. TRIPPED ON AUTO RECLOSE, CB DISCREPANCY AT BAWANA.

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

DATE	S. N.	TIME		Name of Grid	NAME OF AFFECTED FEEDERS	LOAD RELIEF IN MW
		OUT	IN			
09.06.12	1	0:04	0:09	OKHLA	TUGLAKABAD CKT.	38
					ALAKHNANDA CKT.-I	
11.06.12	1	12:14	12:17	OKHLA	OKHLA PH -II CKT. I & II	72
					NEHRU PLACE CKT. -IV	
					BALAJI CKT. I & II	
11.06.12	2	15:45	15:54	KASHMIRI GATE	FOUNTAIN CKT., LAHORI GATE CKT.	25
12.06.12	1	10:12	11:15	NAJAFGARH	G-5 PAPANKALAN CKT. I & II	41
					11kV LOAD	
12.06.12	2	13:51	13:58	OKHLA	OKHLA PH -II CKT. I & II	70
					NEHRU PLACE CKT. -IV	
					BALAJI CKT. I & II	
12.06.12	3	11:03	11:15	WAZIRABAD	GHONDA CKT. I & II	28
12.06.12	4	11:03	11:17	G.T.KARNAL ROAD	11kV LOAD	12
				HUDSON LANE		
13.06.12	1	14:16	14:34	OKHLA	OKHLA PH -II CKT. I & II	72
					NEHRU PLACE CKT. -IV	
					BALAJI CKT. I & II	
27.06.12	1	22:15	22:32	PATPARGANJ	GROUP HOUSING-I CKT. -I	120
					VIVEK VIHAR CKT I & II	