DELHI TRANSCO LTD.

STATE LOAD DISPATCH CENTER

PROGRESS REPORT

****

APRIL 2012

1 **SALIENT FEATURES OF DELHI POWER SYSTEM**

Sr. No.	Features	APRIL 2012	APRIL 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)**	**3779**	**4070**
	Date	10.04.2012	29.04.2012
	Time	15.46.48	15.28.13
3	**Peak Demand met (MW)**	**3779**	**4066**
	Date	10.04.2012	29.04.2012
	Time	15.46.48	15.28.13
4	Peak Availability (MW)	3698	3986
5	Shortage (-) / Surplus (+) in MW	(-)81	(-) 80
6	Percentage Shortage (-) / Surplus (+)	(-)2.19	(-) 2.01
7	Maximum Energy Consume in a day (Mus)	75.345	81.541
8	Energy Consumed during the month	**2053.099**	**1962.676**
9	**Load Shedding in Mus**		
A)	Due to Grid Restrictions		
i)	Under Frequency Relay Operations	0.039	0.031
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	0.000	0.063
	BRPL	0.099	0.000
	BYPL	0.000	0.000
	NDMC	0.000	0.000
	MES	0.000	0.000
iv)	Due to transmission Constraints in Central Sector	0.000	0.000
	Total due to Grid Restriction		
B)	Due to Constraints in System in Mus		
	DTL	1.911	0.591
	NDPL	0.159	0.256
	BRPL	0.811	0.321
	BYPL	0.194	0.209
	NDMC	0.000	0.000
	MES	0.000	0.000
	Other Agencies	0.002	0.033
	Total	**3.077**	**1.410**
11	**Grand Total in Mus**	**3.215**	**1.504**

2. PERFORMANCE OF GENERATING STATIONS WITHIN DELHI DURING APRIL 2012

A) For the month of April 2012

All Figures in MUs

S. No	Stations	Gross Generation	Aux. Consumption	Net Generation	Availability (%)	Backing Down
1.	**RPH**	75.609	9.343	66.266	76.88	--
2.	**GT**	117.843	3.813	114.030	76.23	30.880
3.	**PPCL**	208.294	5.469	202.825	91.72	8.966
4.	**BTPS**	382.070	30.841	351.229	91.76	75.047
5.	**Rithala**	24.958	1.061	23.897	--	--
6.	**Bawana**	106.315	3.483	102.832	83.86	112.692
	TOTAL	**915.089**	**54.01**	**861.079**	--	**227.585**

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

Power Station	Effective Capacity (MW)	Net Generation in MUs For APR 2012	Availability (%) For APR. 2012	PLF (%) For APR. 2012	Cumulative Generation in MUs upto APR. 2012 for the year 2012-13	Cumulative Availability in % upto APR 2012 for the year 2012-13	Cumulative PLF in % upto APR 2012 for the year 2012-13
RPH	135	66.266	76.88	76.88	66.266	76.88	76.88
GT	270	114.030	76.23	59.85	114.030	76.23	59.85
PPCL	330	202.825	91.72	87.83	202.825	91.72	87.83
BTPS	705	351.229	91.76	75.43	351.229	91.76	75.43
Rithala	108	23.897	--	--	23.897	--	--
Bawana	**216**	102.832	83.86	36.79	102.832	83.86	36.79
TOTAL	**1764**	**861.079**	--	--	**861.079**	--	--

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.
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.

(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.
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	
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	30.04.12	23.59	Stopped due to low demand and high frequency.

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
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	
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	30.04.12	23.59	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	30.04.12	23.59	
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 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.
		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.

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	
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	30.04.12	23.59	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
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	
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 .	

(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
2	95	05-04-12	3:30	05-04-12	12:27	Loss of excitation field
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
4	210	NIL				
5	210	28-04-12	12:40	30-04-12	6:25	Reserve shutdown

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 APRIL 2012

All figures in MW

Date	Time of peak demand	Generation within Delhi							Import from the Grid	Schedule from the Grid	OD(-) / UD(+)	Demand met	Shedding	Un-Restricted Demand
		RPH	GT	PPCL	BTPS	Rithala	Bawana	Total						
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)= (3) to (8)	(10)	(11)	(12)= (11) - (10)	(13)= (11)+ (12)	(14)	(15)= (13)+ (14)
1	19.28.26	103	76	289	512	30	0	1010	2012	2212	-200	3022	0	3022
2	19.23.19	110	205	289	539	26	0	1169	2295	2463	-168	3464	0	3464
3	19.07.14	105	226	280	546	26	109	1292	2325	2693	-368	3617	4	3621
4	19.27.32	104	170	284	527	27	240	1352	2236	2428	-192	3588	0	3588
5	19.33.39	105	189	284	438	13	297	1326	2218	2467	-249	3544	0	3544
6	19.25.15	108	113	285	533	24	295	1358	2240	2382	-142	3598	0	3598
7	19.20.52	101	75	284	464	33	287	1244	2310	2530	-220	3554	4	3558
8	19.20.58	100	90	288	458	33	298	1267	2051	2516	-465	3318	0	3318
9	15.27.47	103	105	276	528	31	261	1304	2359	2445	-86	3663	0	3663
10	15.46.48	105	182	281	491	32	267	1358	2421	2502	-81	3779	0	3779
11	19.19.17	104	196	297	453	34	0	1084	2288	2482	-194	3372	0	3372
12	19.14.28	107	82	287	424	35	16	951	2577	2656	-79	3528	0	3528
13	19.26.15	108	158	300	448	37	236	1287	2019	2195	-176	3306	0	3306
14	19.39.37	102	156	144	495	36	0	933	2168	2643	-475	3101	0	3101
15	19.51.00	102	156	145	433	35	0	871	1940	2004	-64	2811	0	2811
16	19.19.54	46	154	290	502	74	0	1066	2346	2674	-328	3412	0	3412
17	19.25.29	48	153	288	538	25	0	1052	2365	2720	-355	3417	5	3422
18	19.33.45	74	154	290	540	34	153	1245	2265	2689	-424	3510	0	3510
19	19.30.20	106	185	287	539	33	282	1432	2202	2472	-270	3634	0	3634
20	15.29.30	104	163	283	475	33	271	1329	2348	2552	-204	3677	0	3677
21	19.34.26	97	187	226	492	35	233	1270	2172	2500	-328	3442	0	3442
22	19.39.29	103	197	300	469	33	230	1332	1874	1974	-100	3206	0	3206
23	19.44.16	104	192	289	598	32	272	1487	2041	2484	-443	3528	0	3528
24	15.05.24	106	185	282	608	32	149	1362	2305	2485	-180	3667	11	3678
25	19.33.44	108	146	290	608	31	266	1449	2180	2398	-218	3629	17	3646
26	12:30:00	110	188	288	615	32	270	1503	2047	2319	-272	3550	0	3550
27	19.19.15	57	193	291	513	31	59	1144	2366	2895	-529	3510	0	3510
28	19.28.09	43	155	288	371	27	-5	879	2488	2469	19	3367	11	3378
29	22.57.03	43	155	288	371	27	-5	879	2386	2341	45	3265	0	3265
30	11.15.45	92	112	282	491	29	-3	1003	2573	2856	-283	3576	0	3576

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

Date	Time of peak demand	Generation within Delhi							Import from the Grid	Schedule from the Grid	OD(-) / UD(+)	Demand met	Shedding	Un-Restricted Demand
		RPH	GT	PPCL	BTPS	Rithala	Bawana	Total						
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)= (3) to (8)	(10)	(11)	(12)= (11) - (10)	(13)= (11)+ (12)	(14)	(15)= (13)+ (14)
1	19.28.26	103	76	289	512	30	0	1010	2012	2212	-200	3022	0	3022
2	19.23.19	110	205	289	539	26	0	1169	2295	2463	-168	3464	0	3464
3	19.07.14	105	226	280	546	26	109	1292	2325	2693	-368	3617	4	3621
4	19.27.32	104	170	284	527	27	240	1352	2236	2428	-192	3588	0	3588
5	19.33.39	105	189	284	438	13	297	1326	2218	2467	-249	3544	0	3544
6	19.25.15	108	113	285	533	24	295	1358	2240	2382	-142	3598	0	3598
7	19.20.52	101	75	284	464	33	287	1244	2310	2530	-220	3554	4	3558
8	19.20.58	100	90	288	458	33	298	1267	2051	2516	-465	3318	0	3318
9	15.27.47	103	105	276	528	31	261	1304	2359	2445	-86	3663	0	3663
10	15.46.48	105	182	281	491	32	267	1358	2421	2502	-81	3779	0	3779
11	19.19.17	104	196	297	453	34	0	1084	2288	2482	-194	3372	0	3372
12	19.14.28	107	82	287	424	35	16	951	2577	2656	-79	3528	0	3528
13	19.26.15	108	158	300	448	37	236	1287	2019	2195	-176	3306	0	3306
14	19.39.37	102	156	144	495	36	0	933	2168	2643	-475	3101	0	3101
15	19.51.00	102	156	145	433	35	0	871	1940	2004	-64	2811	0	2811
16	19.19.54	46	154	290	502	74	0	1066	2346	2674	-328	3412	0	3412
17	19.25.29	48	153	288	538	25	0	1052	2365	2720	-355	3417	5	3422
18	19.33.45	74	154	290	540	34	153	1245	2265	2689	-424	3510	0	3510
19	19.30.20	106	185	287	539	33	282	1432	2202	2472	-270	3634	0	3634
20	15.29.30	104	163	283	475	33	271	1329	2348	2552	-204	3677	0	3677
21	19.34.26	97	187	226	492	35	233	1270	2172	2500	-328	3442	0	3442
22	19.39.29	103	197	300	469	33	230	1332	1874	1974	-100	3206	0	3206
23	19.44.16	104	192	289	598	32	272	1487	2041	2484	-443	3528	0	3528
24	15.05.24	106	185	282	608	32	149	1362	2305	2485	-180	3667	11	3678
25	19.33.44	108	146	290	608	31	266	1449	2180	2398	-218	3629	17	3646
26	12:30:00	110	188	288	615	32	270	1503	2047	2319	-272	3550	0	3550
27	19.19.15	57	193	291	513	31	59	1144	2366	2895	-529	3510	0	3510
28	19.28.09	43	155	288	371	27	-5	879	2488	2469	19	3367	11	3378
29	22.57.03	43	155	288	371	27	-5	879	2386	2341	45	3265	0	3265
30	11.15.45	92	112	282	491	29	-3	1003	2573	2856	-283	3576	0	3576

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

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

A (i) RPH	75.609
(ii) GT+STG	117.843
(iii) PRAGATI	208.294
(iv) RITHALA	24.958
(v) BAWANA CCGT	106.315
TOTAL	533.019
B) AVAILABILITY FROM BTPS	351.229
C) AUXILIARY CONSUMPTION OF GENERATING STNs. EXCLUDING BTPS	23.169
D) NET GENERATION AVAILABLE WITHIN DELHI(A+B-C)	**861.079**

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	12.092	11.727	4.738	4.598
SALAL	33.293	32.309	13.262	12.877
TANKAPUR	1.493	1.449	0.557	0.540
CHAMERA	20.070	19.480	7.759	7.535
CHAMERA -II	16.319	15.832	6.676	6.481
DHAULIGANGA	6.100	5.916	2.394	2.324
SEWA -2	9.636	9.343	3.536	3.430
URI	38.365	37.218	14.826	14.392
KOTESHWAR	8.267	8.022	8.267	8.022
MUNDRA_UMPP	0.000	0.000	0.000	0.000
ANTA (GAS)	21.648	20.985	14.230	13.796
ANTA (RLNG)	6.751	6.563	0.000	0.000
ANTA (LIQUID)	0.000	0.000	0.000	0.000
DADRI (GAS)	52.611	51.040	34.848	33.814
DADRI (RLNG)	10.095	9.794	0.000	0.000
DADRI (LIQUID)	0.000	0.000	0.000	0.000
AURAIYA (GAS)	24.707	23.959	15.598	15.130
AURAIYA (RLNG)	16.300	15.842	0.000	0.000
AURAIYA (LIQUID)	4.755	4.619	0.000	0.000
SINGRAULI	78.640	76.251	77.832	75.465
RIHAND -I	53.055	51.442	52.304	50.712
RIHAND -II	87.774	85.153	86.289	83.710
UNCHAHAR-I	16.365	15.876	15.190	14.734
UNCHAHAR-II	17.490	16.944	16.227	15.717
UNCHAHAR-III	19.565	18.981	18.189	17.643
DADRI (TH)	515.450	500.053	432.364	419.528
DADRI (TH) STAGE-II	253.879	246.301	239.912	232.728
NAPP	20.611	19.996	20.611	19.996
RAPP 'B'	0.000	0.000	0.000	0.000
RAPP 'C'	38.160	37.021	38.160	37.021
NATHPA JHAKRI	36.875	35.781	14.537	14.114
DULASTI	25.191	24.450	10.440	10.138
TEHRI	19.419	18.839	19.419	18.839
JHAJJAR	51.919	50.495	14.349	13.956
KHELGAON	29.943	29.044	24.393	23.664
KHELGAON-II	78.437	76.046	69.147	67.062
FARAKA	13.092	12.701	9.308	9.042
TALA	3.790	3.682	3.790	3.682
TALCHER	0.000	0.000	0.000	0.000
DVC	162.522	160.398	160.398	155.580
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)	23.590	23.285	23.285	22.545
DVC CTPS (BYPL)	77.232	76.221	76.221	74.037
DVC CTPS (NDPL)	20.801	20.529	20.529	19.899
DVC METHON (NDPL)	97.855	96.574	96.574	93.674
ORISSA	0.000	0.000	0.000	0.000

NAME OF THE STATION	AVAILABILITY AT POWER PLANT	AVAILABILITY AT DELHI PERIPHERY	ALLOCATION MADE BY NRLDC AT POWER PLANT	ALLOCATION MADE BY NRLDC AT DELHI PERIPHERY
KERALA	0.000	0.000	0.000	0.000
HIMACHAL PRADESH	49.186	48.626	48.626	47.310
WEST BENGAL	30.665	30.259	30.259	29.415
MADHYA PRADESH(WR)	0.000	0.000	0.000	0.000
MADHYA PRADESH(WR-ER)	0.000	0.000	0.000	0.000
HARYANA (FOR NDPL)Jhajjar	1.443	1.414	1.414	1.299
HARYANA	29.689	29.245	29.245	28.370
PUNJAB	3.641	3.591	3.591	3.497
UTTRANCHAL	0.000	0.000	0.000	0.000
GOA	0.000	0.000	0.000	0.000
MAHARASHTRA	0.000	0.000	0.000	0.000
MEGHALAYA	0.000	0.000	0.000	0.000
TO CHHATISHGARH	-27.437	-28.061	-28.061	-28.926
TO WEST BENGAL	-0.409	-0.413	-0.413	-0.425
TO MADHYA PRADESH	0.000	0.000	0.000	0.000
TO JAMMU & KASHMIR	0.000	0.000	0.000	0.000
TO TAMILNADU	0.000	0.000	0.000	0.000
TO RAJASTHAN	-2.411	-2.447	-2.447	-2.588
TO HIMACHAL PRADESH	-6.816	-6.907	-6.907	-7.187
TO KERALA(ER)	-1.350	-1.381	-1.381	-1.420
TO UTTAR PRADESH	-0.687	-0.701	-0.701	-0.763
POWER EXCHANGE(IEX)	0.106	0.103	0.106	0.103
TO POWER EXCHANGE (IEX)	-129.520	-133.566	-129.520	-133.566
POWRER EXCHANGE(PX)	0.000	0.000	0.000	0.000
TO POWER EXCHANGE (PX)	-10.105	-10.395	-10.105	-10.395
TO SHARE PROJECT (HARYANA)	-10.910	-11.227	-10.910	-11.227
TO SHARE PROJECT (PUNJAB)	-2.257	-2.320	-2.257	-2.320
TOTAL	**1946.980**	**1885.976**	**1586.696**	**1527.604**

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	1179.083	1143.802	1002.983	972.977
NTPC - ER	121.472	117.791	102.848	99.768
NHPC	162.557	157.723	64.188	62.316
NPC	58.771	57.017	58.771	57.017
KOTESHWAR	8.267	8.022	8.267	8.022
MUNDRA_UMPP	0.000	0.000	0.000	0.000
NATHPA JHAKRI	36.875	35.781	14.537	14.114
TEHRI	19.419	18.839	19.419	18.839
TALA	3.790	3.682	3.790	3.682
JHAJJAR	51.919	50.495	14.349	13.956
TALCHER	0.000	0.000	0.000	0.000
DVC	162.522	160.398	160.398	155.580
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)	23.590	23.285	23.285	22.545
DVC CTPS (BYPL)	77.232	76.221	76.221	74.037
DVC CTPS (NDPL)	20.801	20.529	20.529	19.899
DVC METHON (NDPL)	97.855	96.574	96.574	93.674
ORISSA	0.000	0.000	0.000	0.000
KERALA	0.000	0.000	0.000	0.000
HIMACHAL PRADESH	49.186	48.626	48.626	47.310
WEST BENGAL	30.665	30.259	30.259	29.415
MADHYA PRADESH(WR)	0.000	0.000	0.000	0.000
MADHYA PRADESH(WR-ER)	0.000	0.000	0.000	0.000
HARYANA (FOR NDPL) Jhajjar	1.443	1.414	1.414	1.299
HARYANA	29.689	29.245	29.245	28.370
PUNJAB	3.641	3.591	3.591	3.497
UTTRANCHAL	0.000	0.000	0.000	0.000
GOA	0.000	0.000	0.000	0.000
MAHARASHTRA	0.000	0.000	0.000	0.000
MEGHALAYA	0.000	0.000	0.000	0.000
POWER EXCHANGE(IEX)	0.106	0.103	0.106	0.103
POWER EXCHANGE(PX)	0.000	0.000	0.000	0.000
TOTAL	**2138.882**	**2083.395**	**1779.398**	**1726.421**

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	-27.437	-28.061	-28.061	-28.926
TO MADHYA PRADESH	0.000	0.000	0.000	0.000
TO WEST BENGAL	-0.409	-0.413	-0.413	-0.425
TO JAMMU & KASHMIR	0.000	0.000	0.000	0.000
TO TAMILNADU	0.000	0.000	0.000	0.000
TO RAJASTHAN	-2.411	-2.447	-2.447	-2.588
TO HIMACHAL PRADESH	-6.816	-6.907	-6.907	-7.187
TO KERALA(ER)	-1.350	-1.381	-1.381	-1.420
TO UTTAR PRADESH	-0.687	-0.701	-0.701	-0.763
TO POWER EXCHANGE (IEX)	-129.520	-133.566	-129.520	-133.566
TO POWER EXCHANGE (PX)	-10.105	-10.395	-10.105	-10.395
TO SHARE PROJECT (HARYANA)	-10.910	-11.227	-10.910	-11.227
TO SHARE PROJECT (PUNJAB)	-2.257	-2.320	-2.257	-2.320
TOTAL	**-191.902**	**-197.419**	**-192.703**	**-198.817**
TOTAL SCHEDULED DRAWAL FROM THE GRID	**1946.980**	**1885.976**	**1586.696**	**1527.604**
TOTAL CONSUMPTION INCLUDING AUX. OF GENERATING STNs. EXCLUDING BTPS				2076.268
NET CONSUMPTION				2053.099
AVAILABILITY WITHIN DELHI				861.079
ACTUAL DRAWAL FROM THE GRID				1192.020
OVER DRAWAL(+)/UNDER DRAWAL(-) FROM THE GRID ON THE BASIS OF SCHEDULED ALLOCATION MADE BY NRLDC TO DELHI AT PERIPHERY				-335.584
LOAD SHEDDING				**3.215**
UNRESTRICTED DEMAND (GROSS)				**2079.483**
UNRESTRICTED DEMAND (NET)				**2056.314**
MAX. NET CONSUMPTION				75.345Mus. ON 09.04.2012
MAX. LOAD SHEDDING				621MW ON 03.04.2012 AT 19.11HRS.
PEAK LOAD	Peak Demand during the month			SHEDDING AT PEAK TIME
DAY PEAK	3779MW AT 15.46.48HRS ON 10.04.2012			NIL
EVENING PEAK	3634MW AT 19.30.20HRS ON 19.04.2012			NIL
P.L.F. OF GENCO AND PRAGATI STNs.	RPH GT PRAGATI RITHALA BAWANA			77.79% 60.62% 87.67% 32.10% 68.30%

9 SHEDDING DETAILS DURING THE MONTH OF APIRL 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-Apr-12	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
2-Apr-12	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.099	0.000	0.000
3-Apr-12	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
4-Apr-12	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
5-Apr-12	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
6-Apr-12	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
7-Apr-12	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
8-Apr-12	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
9-Apr-12	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
10-Apr-12	7	0.027	0.003	0.000	0.009	**0.039**	0.000	0.000	0.000	0.000
11-Apr-12	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
12-Apr-12	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
13-Apr-12	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
14-Apr-12	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
15-Apr-12	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
16-Apr-12	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
17-Apr-12	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
18-Apr-12	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
19-Apr-12	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
20-Apr-12	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
21-Apr-12	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
22-Apr-12	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
23-Apr-12	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
24-Apr-12	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
25-Apr-12	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
26-Apr-12	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
27-Apr-12	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
28-Apr-12	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
29-Apr-12	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
30-Apr-12	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
TOTAL	**7**	**0.027**	**0.003**	**0.000**	**0.009**	**0.039**	**0.000**	**0.099**	**0.000**	**0.000**

ALL FIGURES IN MUs

Date	Shedding due to Transmission/Grid Constraints in Central Sector Stations / TTC / ATC VOILATION				TOTAL	TOTAL SHEDDING DUE TO GRID RESTRICTIONS	Due to T&D Constraints				
							DTL				
	BSES		NDPL	NDMC			BSES		NDPL	NDMC	MES
	BYPL	BRPL					BYPL	BRPL			
1	12	13	14	15	**16=8to15**	**17=16+7**	18	19	20	21	22
01-Apr-12	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.003	0.030	0.012	0.004	0.000
02- Apr -12	0.000	0.000	0.000	0.000	**0.099**	**0.099**	0.000	0.120	0.000	0.000	0.000
03- Apr -12	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.889	0.050	0.011	0.009	0.000
04- Apr -12	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.067	0.000
05- Apr -12	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
06- Apr -12	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
07- Apr -12	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
08- Apr -12	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.033	0.058	0.000	0.000
09- Apr-12	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
10- Apr -12	0.000	0.000	0.000	0.000	**0.000**	**0.039**	0.085	0.000	0.087	0.000	0.000
11- Apr -12	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
12- Apr -12	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.019	0.000
13- Apr -12	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.007	0.000	0.000
14- Apr -12	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
15- Apr -12	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
16- Apr -12	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.001	0.000	0.000
17- Apr -12	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
18- Apr -12	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
19- Apr -12	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.069	0.001	0.000	0.000
20- Apr -12	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.006	0.006	0.000	0.000
21- Apr -12	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.004	0.004	0.000	0.000
22- Apr -12	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.019	0.001	0.000	0.000
23- Apr -12	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.086	0.044	0.005	0.111	0.000
24- Apr -12	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.006	0.000	0.000
25- Apr -12	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.003	0.000
26- Apr -12	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
27- Apr -12	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.003	0.000	0.006	0.001	0.000
28- Apr -12	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
29- Apr -12	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.016	0.000	0.000	0.000
30- Apr -12	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.035	0.000	0.000	0.000
TOTAL	**0.000**	**0.000**	**0.000**	**0.000**	**0.099**	**0.138**	**1.066**	**0.426**	**0.205**	**0.214**	**0.000**

ALL FIGURES IN MUs

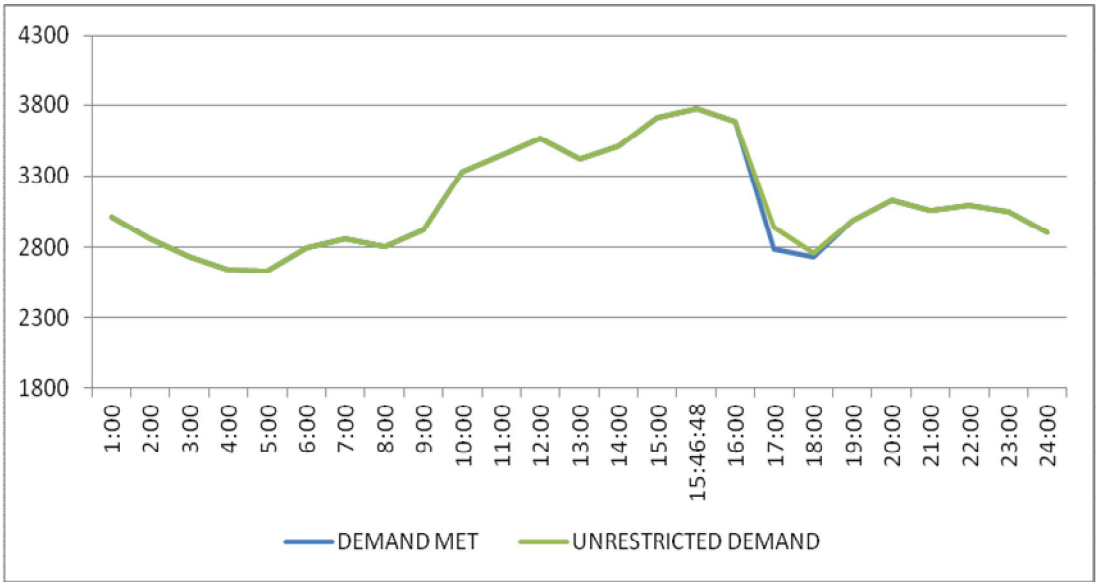
DATE	DUE TO T&D CONTRAINTS				OTHER AGENCIES LIKE GENCO, BBMB, BTPS ETC.	THEFT PRONE SHEDDING			TOTAL SHEDDING DUE TO T&D CONSTS. & THEFT PRONE	GRAND TOTAL
	DISCOMS									
	BSES		NDPL	NDMC		BSES		NDPL		
	BYPL	BRPL				BYPL	BRPL			
1	23	24	25		26	27	28	29	30=18 to29	31=30+17
01-Apr-12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.049**	**0.049**
02- Apr -12	0.000	0.000	0.008	0.000	0.000	0.000	0.000	0.000	**0.128**	**0.227**
03- Apr -12	0.000	0.024	0.025	0.000	0.000	0.000	0.000	0.000	**1.008**	**1.008**
04- Apr -12	0.015	0.000	0.009	0.000	0.000	0.000	0.000	0.000	**0.091**	**0.091**
05- Apr -12	0.000	0.010	0.001	0.000	0.000	0.000	0.000	0.000	**0.011**	**0.011**
06- Apr -12	0.014	0.000	0.002	0.000	0.000	0.000	0.000	0.000	**0.016**	**0.016**
07- Apr -12	0.000	0.017	0.002	0.000	0.000	0.000	0.000	0.000	**0.019**	**0.019**
08- Apr -12	0.007	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.098**	**0.098**
09- Apr-12	0.000	0.039	0.000	0.000	0.000	0.000	0.000	0.000	**0.039**	**0.039**
10- Apr -12	0.019	0.000	0.056	0.000	0.000	0.000	0.000	0.000	**0.247**	**0.286**
11- Apr -12	0.005	0.000	0.005	0.000	0.000	0.000	0.000	0.000	**0.010**	**0.010**
12- Apr -12	0.000	0.000	0.004	0.000	0.000	0.000	0.000	0.000	**0.023**	**0.023**
13- Apr -12	0.012	0.000	0.002	0.000	0.000	0.000	0.000	0.000	**0.021**	**0.021**
14- Apr -12	0.011	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.011**	**0.011**
15- Apr -12	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.000	**0.001**	**0.001**
16- Apr -12	0.000	0.000	0.008	0.000	0.000	0.000	0.000	0.000	**0.009**	**0.009**
17- Apr -12	0.006	0.000	0.000	0.000	0.002	0.000	0.000	0.000	**0.010**	**0.008**
18- Apr -12	0.002	0.005	0.000	0.000	0.000	0.000	0.000	0.000	**0.007**	**0.007**
19- Apr -12	0.000	0.007	0.000	0.000	0.000	0.000	0.000	0.000	**0.077**	**0.077**
20- Apr -12	0.007	0.015	0.000	0.000	0.000	0.000	0.000	0.000	**0.034**	**0.034**
21- Apr -12	0.054	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.062**	**0.062**
22- Apr -12	0.018	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.038**	**0.038**
23- Apr -12	0.000	0.000	0.009	0.000	0.000	0.000	0.000	0.000	**0.255**	**0.255**
24- Apr -12	0.000	0.003	0.003	0.000	0.000	0.000	0.000	0.028	**0.040**	**0.040**
25- Apr -12	0.018	0.000	0.000	0.000	0.000	0.000	0.000	0.036	**0.057**	**0.057**
26- Apr -12	0.000	0.000	0.016	0.000	0.000	0.000	0.000	0.104	**0.120**	**0.120**
27- Apr -12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.110	**0.120**	**0.120**
28- Apr -12	0.006	0.002	0.000	0.000	0.000	0.000	0.000	0.119	**0.127**	**0.127**
29- Apr -12	0.000	0.030	0.004	0.000	0.000	0.000	0.000	0.134	**0.184**	**0.184**
30- Apr -12	0.000	0.000	0.004	0.000	0.000	0.000	0.000	0.128	**0.167**	**0.167**
TOTAL	**0.194**	**0.152**	**0.159**	**0.000**	**0.002**	**0.000**	**0.000**	**0.659**	**3.077**	**3.215**

DATE	(NET CONS.)	MAXI. DEMAND MET DURING THE DAY	TIME OF OCCUR-RENCE OF MAX DEMAND	SHEDDING AT THIS TIME	UN-REST-RICTED DEMAND	MAXIMUM UN-REST-RICTED DEMAND DURING THE DAY	TIME OF MAX. UN-REST. DEMAND	DEMAND AT THAT TIME	SHEDDING AT THAT TIME
	In Mus.	IN MW	IN HRS.	IN MW	IN MW	IN MW	HRS.	IN MW	IN MW
1	32	33	34	35	36=33+35	37=39+40	38	39	40
01-Apr-12	57.796	**3022**	19:28:26	0	**3022**	**3022**	19:28:26	**3022**	0
02- Apr -12	65.707	**3464**	19:23:19	0	**3464**	**3464**	19:23:19	**3464**	0
03- Apr -12	69.536	**3617**	19:07:14	4	**3621**	**3621**	19:07:14	**3617**	4
04- Apr -12	71.161	**3588**	19:27:32	0	**3588**	**3588**	19:27:32	**3588**	0
05- Apr -12	75.263	**3544**	19:33:39	0	**3544**	**3544**	19:33:39	**3544**	0
06- Apr -12	70.720	**3598**	19:25:15	0	**3598**	**3598**	19:25:15	**3598**	0
07- Apr -12	71.422	**3554**	19:20:52	4	**3558**	**3558**	19:20:52	**3554**	4
08- Apr -12	69.955	**3318**	19:20:58	0	**3318**	**3318**	19:20:58	**3318**	0
09- Apr-12	75.345	**3663**	15:27:47	0	**3663**	**3663**	15:27:47	**3663**	0
10- Apr -12	70.084	**3779**	15:46:48	0	**3779**	**3779**	15:46:48	**3779**	0
11- Apr -12	64.418	**3372**	19:17:17	0	**3372**	**3372**	19:17:17	**3372**	0
12- Apr -12	67.587	**3528**	19:14:28	0	**3528**	**3528**	19:14:28	**3528**	0
13- Apr -12	66.322	**3306**	19:26:15	0	**3306**	**3306**	19:26:15	**3306**	0
14- Apr -12	61.436	**3101**	19:39:27	0	**3101**	**3101**	19:39:27	**3101**	0
15- Apr -12	53.695	**2811**	19:51:00	0	**2811**	**2811**	19:51:00	**2811**	0
16- Apr -12	63.926	**3412**	19:19:54	0	**3412**	**3412**	19:19:54	**3412**	0
17- Apr -12	66.911	**3417**	19:25:29	5	**3422**	**3427**	19:25:29	**3422**	5
18- Apr -12	67.997	**3510**	19:33:45	0	**3510**	**3510**	19:33:45	**3510**	0
19- Apr -12	71.869	**3634**	19:30:20	0	**3634**	**3634**	19:30:20	**3634**	0
20- Apr -12	73.437	**3677**	15:29:30	0	**3677**	**3677**	15:29:30	**3677**	0
21- Apr -12	69.088	**3442**	19:34:26	0	**3442**	**3442**	19:34:26	**3442**	0
22- Apr -12	67.449	**3206**	19:39:29	0	**3206**	**3206**	19:39:29	**3206**	0
23- Apr -12	71.840	**3538**	19:44:16	0	**3538**	**3538**	19:44:16	**3538**	0
24- Apr -12	73.771	**3667**	15:05:24	11	**3678**	**3678**	15:05:24	**3667**	11
25- Apr -12	71.207	**3629**	19:33:44	17	**3646**	**3646**	19:33:44	**3629**	17
26- Apr -12	71.197	**3550**	12:30	0	**3550**	**3550**	12:30	**3550**	0
27- Apr -12	70.047	**3510**	19:19:15	0	**3510**	**3510**	19:19:15	**3510**	0
28- Apr -12	68.039	**3367**	19:28:09	11	**3378**	**3378**	19:28:09	**3367**	11
29- Apr -12	65.539	**3265**	22:57:03	0	**3265**	**3265**	22:57:03	**3265**	0
30- Apr -12	70.335	**3576**	11:15:45	0	**3576**	**3576**	11:15:45	**3576**	0
Total	**2053.099**	**3779** **10.04.2012**	15:46:48	0	**3779** 10.04.2012	**3779**	15:46:48	0	

10 LOAD PATTERN OF DELHI ON THE DAY OF PEAK DEMAND MET DURING APRIL 2012 ON 10.04.2012- 3779MW at 15.46.48HRS.

All figures in MW

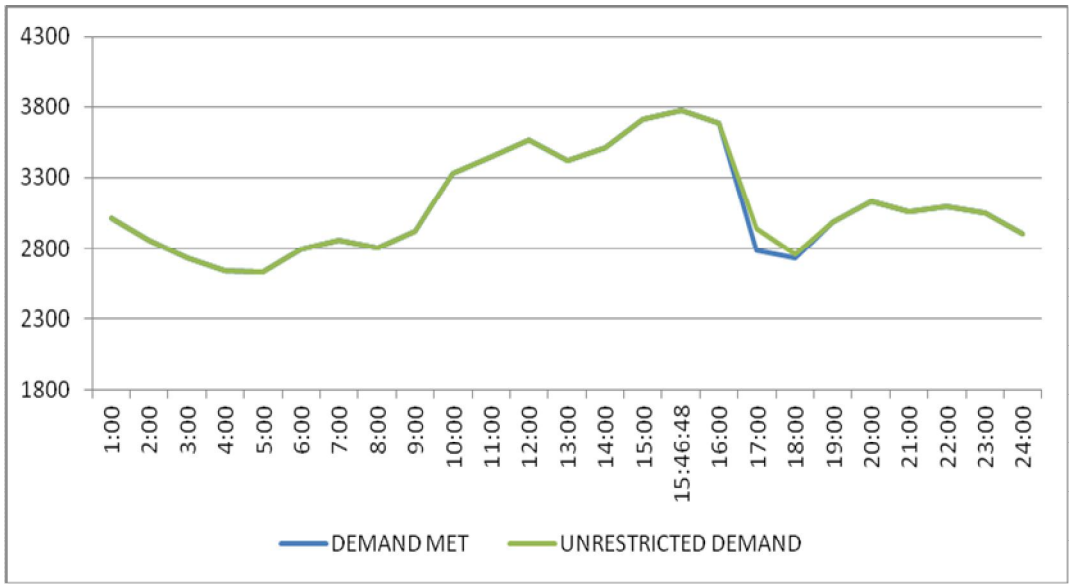
Hrs.	Demand	Load Shedding	Un-Restricted Demand
01.00	3011	0	3011
02.00	2860	0	2860
03.00	2728	0	2728
04.00	2643	0	2643
05.00	2628	0	2628
06.00	2791	0	2791
07.00	2856	0	2856
08.00	2801	0	2801
09.00	2921	0	2921
10.00	3327	0	3327
11.00	2448	0	2448
12.00	3562	0	3562
13.00	3424	0	3424
14.00	3511	0	3511
15.00	3715	0	3715
15.46.48	3779	0	3779
16.00	3683	0	3683
17.00	2782	161	2943
18.00	2728	30	2758
19.00	2984	0	2984
20.00	3129	0	3129
21.00	3057	0	3057
22.00	3096	0	3096
23.00	3052	0	3052
24.00	2901	0	2901
ENERGY IN MUS	**70.084**	**0.286**	**70.370**



11 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UN-RESTRICTED DEMAND DURING APRIL 2012 ON 10.04.2012- 3779MW at 15.46.48HRS.

All figures in MW

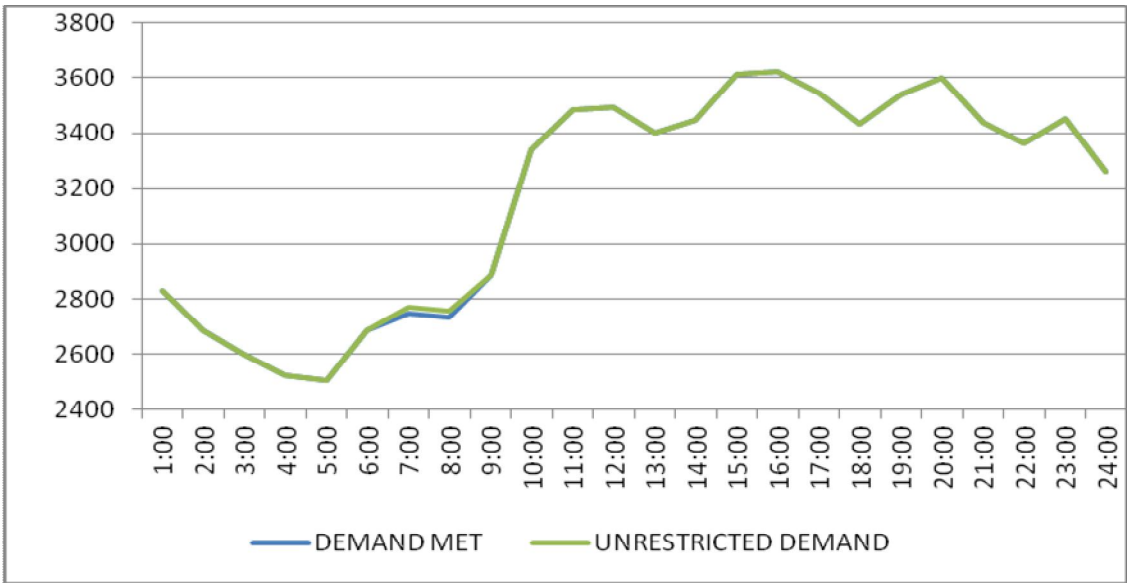
Hrs.	Demand	Load Shedding	Un-Restricted Demand
01.00	3011	0	3011
02.00	2860	0	2860
03.00	2728	0	2728
04.00	2643	0	2643
05.00	2628	0	2628
06.00	2791	0	2791
07.00	2856	0	2856
08.00	2801	0	2801
09.00	2921	0	2921
10.00	3327	0	3327
11.00	2448	0	2448
12.00	3562	0	3562
13.00	3424	0	3424
14.00	3511	0	3511
15.00	3715	0	3715
15.46.48	3779	0	3779
16.00	3683	0	3683
17.00	2782	161	2943
18.00	2728	30	2758
19.00	2984	0	2984
20.00	3129	0	3129
21.00	3057	0	3057
22.00	3096	0	3096
23.00	3052	0	3052
24.00	2901	0	2901
ENERGY IN MUS	**70.084**	**0.286**	**70.370**



12 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM ENERGY CONSUMED DURING APRIL 2012 – 09.04.2012 – 75.345 Mus

All figures in MW

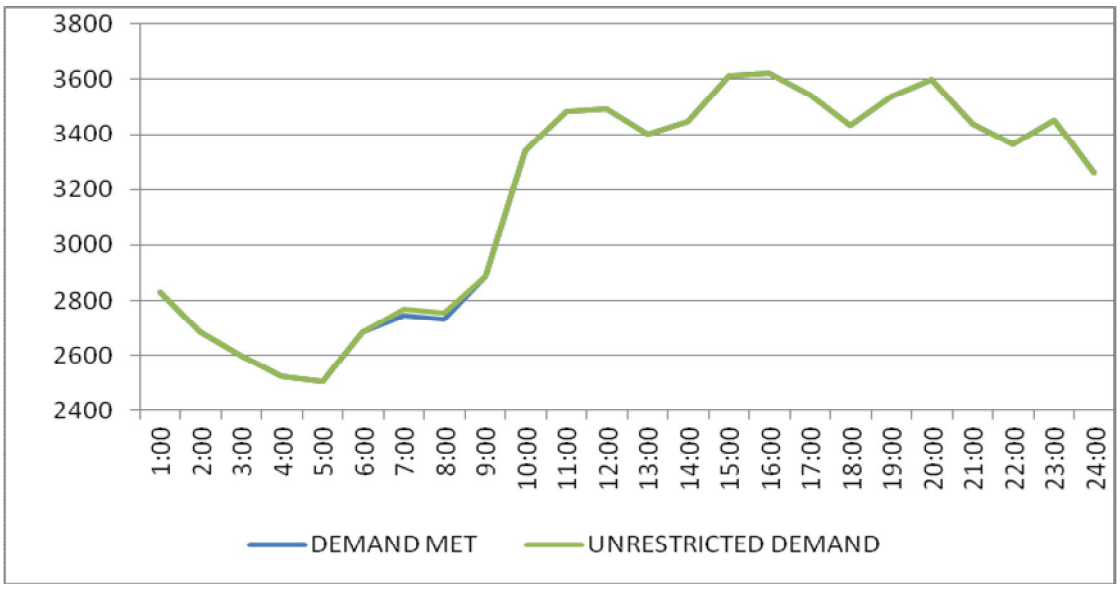
Hrs.	Demand	Load Shedding	Un-Restricted Demand
01.00	2828	0	2828
02.00	2685	0	2685
03.00	2598	0	2598
04.00	2524	0	2524
05.00	2507	0	2507
06.00	2686	0	2686
07.00	2747	22	2769
08.00	2735	22	2757
09.00	2886	0	2886
10.00	3340	0	3340
11.00	3482	0	3482
12.00	3494	0	3494
13.00	3402	0	3402
14.00	3445	0	3445
15.00	3611	0	3611
16.00	3622	0	3622
17.00	3542	0	3542
18.00	3434	0	3434
19.00	3541	0	3541
20.00	3599	0	3599
21.00	3436	0	3436
22.00	3362	0	3362
23.00	3451	0	3451
24.00	3262	0	3262
ENERGY IN MUS	**75.345**	**0.039**	**75.384**



13 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UNRESTRICTED ENERGY DEMAND DURING APRIL 2012 – 09.04.2012 – 75.384 Mus

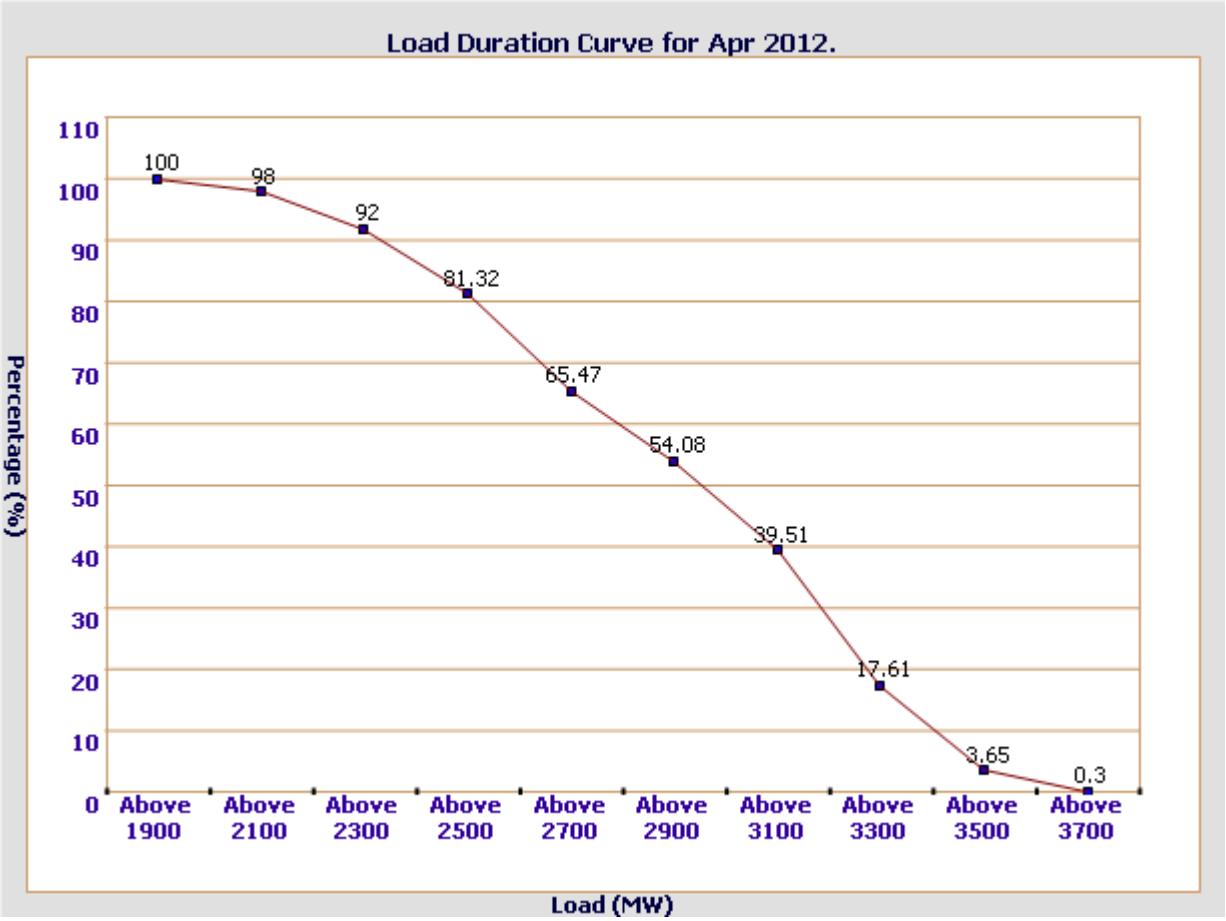
All figures in MW

Hrs.	Demand	Load Shedding	Un-Restricted Demand
01.00	2828	0	2828
02.00	2685	0	2685
03.00	2598	0	2598
04.00	2524	0	2524
05.00	2507	0	2507
06.00	2686	0	2686
07.00	2747	22	2769
08.00	2735	22	2757
09.00	2886	0	2886
10.00	3340	0	3340
11.00	3482	0	3482
12.00	3494	0	3494
13.00	3402	0	3402
14.00	3445	0	3445
15.00	3611	0	3611
16.00	3622	0	3622
17.00	3542	0	3542
18.00	3434	0	3434
19.00	3541	0	3541
20.00	3599	0	3599
21.00	3436	0	3436
22.00	3362	0	3362
23.00	3451	0	3451
24.00	3262	0	3262
ENERGY IN MUS	**75.345**	**0.039**	**75.384**



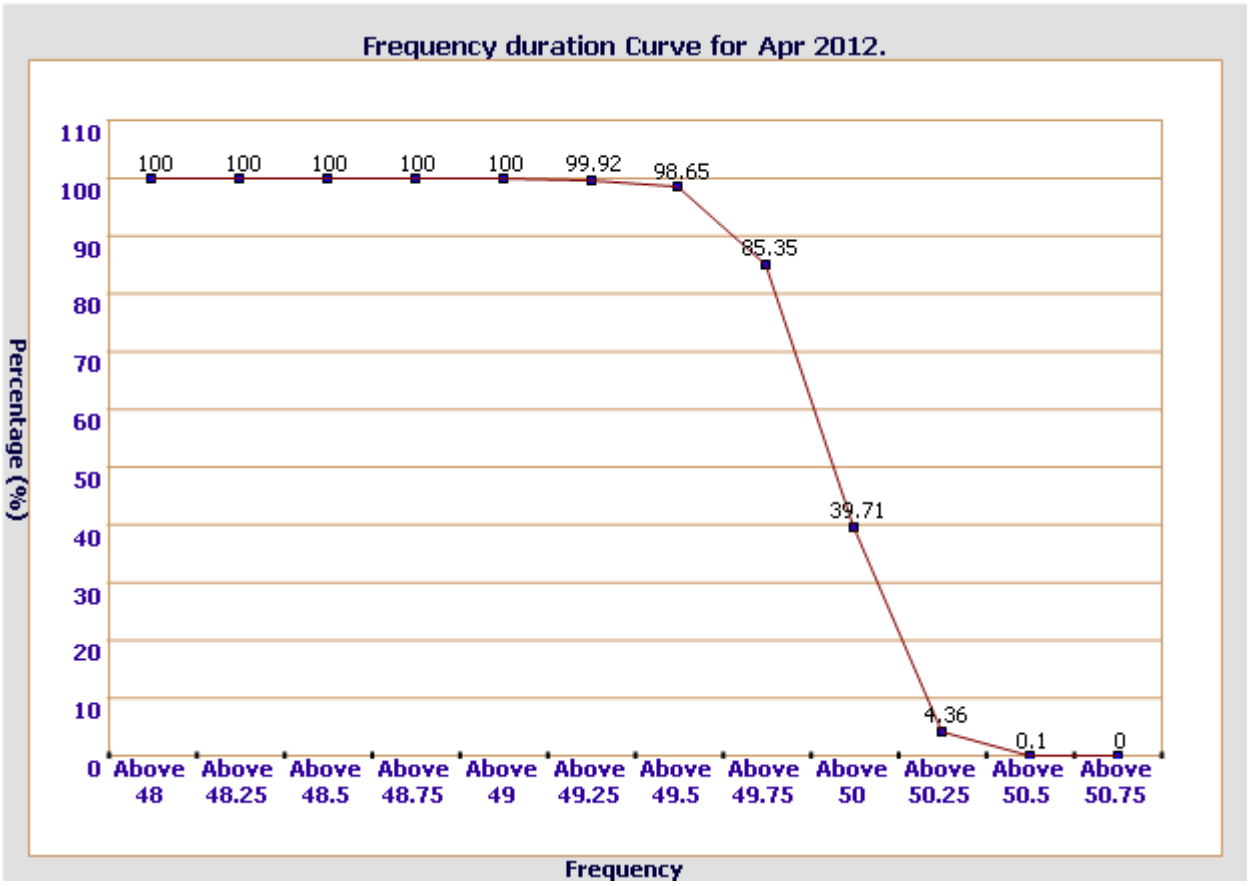
14 LOAD DURATION CURVE FOR APRIL 2012

Load in MW	Percentage of Time
Above 1900	100 %
Above 2100	98 %
Above 2300	92 %
Above 2500	81.32 %
Above 2700	65.47 %
Above 2900	54.08 %
Above 3100	39.51 %
Above 3300	17.61 %
Above 3500	3.65 %
Above 3700	0.3 %



15 FREQUENCY ANALYSIS FOR THE MONTH OF APRIL 2012

Frequency Range in Hz.	Percentage of time
Above 49	100 %
Above 49.25	99.92 %
Above 49.5	98.65 %
Above 49.75	85.35 %
Above 50	39.71 %
Above 50.25	4.36 %
Above 50.5	0.1 %
Above 50.75	0 %



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

All figures in kV

Date	NARELA		GAZIPUR	
	Max	Min	Max	Min
01-Apr-12	--	--	--	--
02- Apr -12	--	--	--	--
03- Apr -12	--	--	--	--
04- Apr -12	--	--	--	--
05- Apr -12	--	--	--	--
06- Apr -12	--	--	--	--
07- Apr -12	--	--	--	--
08- Apr -12	--	--	--	--
09- Apr-12	--	--	--	--
10- Apr -12	233.05	217.06	237.82	219.64
11- Apr -12	229.18	215.64	233.95	219.25
12- Apr -12	228.92	214.35	233.31	217.70
13- Apr -12	228.53	216.02	233.95	218.09
14- Apr -12	230.08	217.70	233.95	220.92
15- Apr -12	229.82	217.06	234.08	221.44
16- Apr -12	228.53	215.25	233.43	219.64
17- Apr -12	231.24	213.06	235.89	217.06
18- Apr -12	226.08	216.54	230.73	218.22
19- Apr -12	224.28	213.44	229.18	216.67
20- Apr -12	224.41	219.12	229.44	222.86
21- Apr -12	227.24	216.28	230.73	219.12
22- Apr -12	227.89	219.12	233.69	222.86
23- Apr -12	226.99	216.93	232.02	219.89
24- Apr -12	226.21	216.54	231.37	220.28
25- Apr -12	225.70	217.96	229.95	220.92
26- Apr -12	226.73	218.86	232.15	222.34
27- Apr -12	226.86	217.83	232.53	220.28
28- Apr -12	226.34	214.99	231.76	220.54
29- Apr -12	226.60	219.76	230.21	223.63
30- Apr -12	228.53	218.86	233.05	220.80

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

All figures in kV

Date	400kV Bamnauli Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01-Apr-12	--	--	--	--	--
02- Apr -12	--	--	--	--	--
03- Apr -12	--	--	--	--	--
04- Apr -12	--	--	--	--	--
05- Apr -12	--	--	--	--	--
06- Apr -12	--	--	--	--	--
07- Apr -12	--	--	--	--	--
08- Apr -12	--	--	--	--	--
09- Apr-12	--	--	--	--	--
10- Apr -12	425.13	17.13.02	399.34	12.19.18	410.57
11- Apr -12	423.72	03.05.48	400.51	19.10.37	414.23
12- Apr -12	422.08	01.55.18	397.46	19.26.58	410.78
13- Apr -12	423.25	11.05.14	398.63	19.22.45	412.41
14- Apr -12	423.02	04.06.02	400.27	19.21.46	413.13
15- Apr -12	422.08	04.00.24	398.40	19.21.08	412.41
16- Apr -12	420.44	03.15.44	396.29	18.56.53	410.58
17- Apr -12	424.43	02.11.27	391.60	18.27.46	408.77
18- Apr -12	414.58	08.03.02	393.71	18.08.51	407.21
19- Apr -12	413.41	07.02.47	392.30	19.07.09	407.23
20- Apr -12	415.75	18.33.31	401.68	04.38.41	407.87
21- Apr -12	417.86	03.32.21	397.46	19.20.35	409.44
22- Apr -12	423.02	08.16.14	403.32	00.15.34	413.11
23- Apr -12	420.44	03.50.09	400.98	19.23.16	410.33
24- Apr -12	420.21	17.05.11	402.15	10.38.39	410.24
25- Apr -12	415.05	08.07.24	400.51	18.12.00	407.60
26- Apr -12	--	--	--	--	--
27- Apr -12	419.50	08.04.07	400.98	19.13.15	410.12
28- Apr -12	419.03	08.03.58	398.63	19.23.29	409.14
29- Apr -12	414.81	03.55.17	403.32	18.13.36	410.46
30- Apr -12	421.61	02.36.24	403.09	08.19.54	410.81

Date	400kV Bawana Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01-Apr-12	--	--	--	--	--
02- Apr -12	--	--	--	--	--
03- Apr -12	--	--	--	--	--
04- Apr -12	--	--	--	--	--
05- Apr -12	--	--	--	--	--
06- Apr -12	--	--	--	--	--
07- Apr -12	--	--	--	--	--
08- Apr -12	--	--	--	--	--
09- Apr-12	--	--	--	--	--
10- Apr -12	429.82	17.13.02	405.20	12.17.38	415.22
11- Apr -12	427.71	03.10.28	404.03	19.10.37	418.55
12- Apr -12	426.30	01.55.18	402.15	19.26.58	415.22
13- Apr -12	427.71	11.05.24	402.85	19.23.55	417.14
14- Apr -12	426.77	04.05.42	406.84	19.21.16	418.04
15- Apr -12	426.54	04.00.04	404.26	19.20.18	417.20
16- Apr -12	424.90	03.14.54	402.85	18.57.13	416.14
17- Apr -12	429.82	02.11.47	398.16	18.25.46	414.44
18- Apr -12	419.74	08.03.42	400.27	18.09.01	412.59
19- Apr -12	418.56	22.57.31	399.57	19.06.59	412.67
20- Apr -12	420.44	18.33.31	407.54	04.38.11	412.87
21- Apr -12	422.08	03.38.12	401.45	19.20.15	413.71
22- Apr -12	426.07	08.16.14	404.09	00.08.44	416.19
23- Apr -12	423.02	03.51.09	404.49	19.23.36	413.67
24- Apr -12	423.02	17.05.01	406.37	10.48.29	413.78
25- Apr -12	419.74	09.03.47	406.84	18.12.10	413.25
26- Apr -12	--	--	--	--	--
27- Apr -12	424.19	08.06.37	407.31	19.13.15	415.00
28- Apr -12	422.79	08.04.18	404.49	18.56.07	413.80
29- Apr -12	419.74	03.08.37	407.31	10.51.09	415.37
30- Apr -12	426.30	02.36.14	408.48	08.19.54	415.92

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 APRIL 2012

SL NO.	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
01	01.04.12	23.15	220KV BAMNAULI – NAJAFGRH CKT-I & II	01.04.12	23.47	BOTH CKTS. TRIPPED ON 86, BACK UP TRIP, 186A&B, UNDER FREQUENCY, UNDER VOLTAGE AT BAMNAULI. NO TRIPPING AT NAJAFGARH.
02	01.04.12	23.15	220KV BAMNAULI – NARAINA CKT-I & II	01.04.12	23.47	BOTH CKTS. TRIPPED ON 86, BACK UP TRIP, 186A&B, UNDER FREQUENCY, UNDER VOLTAGE AT BAMNAULI. NO TRIPPING AT NARAINA.
03	02.04.12	00.25	220KV NOIDA SEC-62 – GAZIPUR CKT.	02.04.12	02.30	SUPPLY FAILED FROM NOIDA SECTOR-62. NO TRIPPING AT GAZIPUR.
04	02.04.12	02.49	220KV MEHRAULI – DIAL CKT-I & II	02.04.12	07.00	BOTH CKTS TRIPPED AT DIAL ON FOLLOWING INDICATIONS :- REL GEPR, BFR, B MAIN-I, REC GEPR, BFR B MAIN-II, REC GEPR BFR Y MAIN-II, RED MAIN-I `B' PHASE TRIP, RED MAIN-I Y PHASE TRIP, RED MAIN-I R PHASE TRIP RED MAIN-I PROT TRIP RED MAIN-II B PHASE TRIP RED MAIN-II PROT TRIP AT 220KV MEHRAULI, DIAL CKT-I TRIPPED ON 186A&B, AUTO RECLOSE AND DIAL CKT-II TRIPPED ON 186A&B.
05	02.04.12	02.49	220KV BTPS – MEHRAULI CKT-II	02.04.12	03.34	CKT. TRIPPED ON 186 AT MEHRAULI. NO TRIPPING AT BTPS END .
06	02.04.12	02.49	220KV MEHRAULI – VASANT KUNJ CKT-I & II	02.04.12	03.38	CKT-I TRIPPED ON 186A, 186B, 96 AND CKT-II TRIPPED ON 295CC, 295CB, 195CB, 186A&B AT MEHRAULI. NO TRIPPING AT VASANT KUNJ. 220KV `B' PHASE CT OF 100MVA PR. TR.-I BLASTED.
07	02.04.12	02.49	220/66KV 100MVA PR. TR.-I AT MEHRAULI	03.04.12	18.04	TR. TRIPPED ON 64R HV SIDE, 87, 86X, 86. `B' PHASE CT OF 100MVA PR. TR.-I BLASTED.
08	02.04.12	02.49	400/220KV 315MVA ICT-III AT BAMNAULI	02.04.12	18.13	ICT TRIPPED ON GROUP-B RELAY 186B-I,
09	03.04.12	0324	400KV BAWANA – MUNDKA CKT-I	03.04.12	06.27	CB-420 OF THE CKT. TRIPPED ON POLE DISCREPANCY AT MUNDKA.
10	03.04.12	07.58	400KV BAWANA – DIPALPUPR CKT.	03.04.12	08.46	BREAKER NO. 1352 OF THE CKT. TRIPPED ON 186A&B, AUTO RECLOSE, 86B, GROUP-B AND BREAKER NO.1452 TRIPPED ON 186A&B, 2/AA AT BAWANA.
11	03.04.12	10.24	400KV BAWANA – DIPALPUPR CKT.	03.04.12	18.19	CKT. TRIPPED ON MAIN-I : CARRIER RECEIVED, 1352CB AUTO TRIP MAIN-II : SIGNAL CARRIER RECEIVED, AUX CARRIER 85X2, AX2, GROUP-B, 86B, AUTO RECLOSE 186A, 186B, TIMER AA/2, AUX CB 52X6 AT BAWANA. NO TRIPPING AT DIPALPUR.
12	03.04.12	10.59	400KV MANDOLA – BAWANA CKT-I	04.04.12	16.35	CB-1552 OF THE CKT TRIPPED ON CB-I, AUTO TRIP, POLE DISCREPANCY, 186A&B AT BAWANA. BC-1552 OF THE TRIED TO CLOSE AT 11.14HRS. BUT DID NOT HOLD AND TRIPPED ALONG WITH CB-1652. CB-1652 TRIPPED ON 186A&B, 195B 2-C, CB ALARM. CKT. CHARGED THROUGH CB-1652. CB-1552 COULD BE CLOSED AT 16.35HRS. ON 04.04.2012.
13	03.04.12	19.08	VARIOUOS TRIPPINGS IN DTL SYSTEM	03.04.12		DETAILED REPORT ENCLOSED.

SL NO.	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
14	04.04.12	09.31	220/66KV 160MVA PR. TR.-I & II AT PRAGATI	04.04.12	11.42	TR-I TRIPPED ON 30D, OLTC BUCHLOZ, 30B, OIL TEMP HIGH, 30C, WINDING TEMP HIGH, SUDDEN PRESSURE RELAY, 86 TR-II TRIPPED ON 30D, OLTC BUCHLOZ, 30B, OIL TEMP HIGH, 30C, WINDING TEMP HIGH, 86. TX-I & II NORMALIZED AT 11.29HRS. AND 11.42HRS. RESPECTIVELY.
15	04.04.12	13.47	220KV BAWANA – DSIDC CKT-I	04.04.12	16.10	CKT. TRIPPED ON LOCK OUT, PT FUSE FAIL ALARM, AUTO RECLOSE LOCK OUT, NUMERICAL PROTECTION RELAY, DIST PROT `A' PHASE ZONE-I AT BAWANA. NO TRIPPING AT DSIDC END.
16	04.04.12	14.00	400KV BAWANA – DIPALPUR CKT	04.04.12	14.57	CB-1352 TRIPPED ON 86B, RX-II, 186A&B, 2/AA-I AND CB-1452 TRIPPED ON 186A&B, 2/AA-II AT BAWANA. NO TRIPPING AT DIPALPUR.
17	04.04.12	20.06	220KV BAWANA – NAJAFGARH CKT.	04.04.12	21.09	CKT. TRIPPED ON DIST PROT `C' PHASE, GROUP-I, AUTO RECLOSE LOCK OUT AT BAWANA AND ON 186 AT NAJAFGARH.
18	04.04.12	20.49	400KV BAWANA – DIPALPUR CKT.	04.04.12	12.50	CB-1352 TRIPPED ON MAIN-I & II : CARRIER RECEIVED, CB AUTO TRIP, DIRECT TRIP RECEIVED. CB-1452 MAIN-II CARRIER RECEIVED AT BAWANA.
19	08.04.12	05.10	220/33KV 100MVA PR. TR.-II AT MASJID MOTH	08.04.12	06.50	TR. TRIPPED ON 86 ALONG WITH 33KV I/C-II WHICH TRIPPED ON LV REF
20	08.04.12	07.22	220KV BAWANA – SHALIMAR BAGH CKT-II	08.04.12	15.33	CKT. TRIPPED ON DIST PROT `A' PHASE ZONE-I, 186 AT BAWANA. NO TRIPPING AT SHALIMAR BAGH.
21	08.04.12	07.22	33/11KV 20MVA PR. TR.-II AT SHALIMAR BAGH	08.04.12	15.02	TR. TRIPPED ON E/F. 33KV `B' PHASE BUSHING FOUND DAMAGED.
22	08.04.12	10.56	66/11KV 20MVA PR. TR.-I & II AT KANJHAWALA	08.04.12	14.17	TR.-I TRIPPED ON O/C `ABC' PHASE, BACK UP PROTECTION, 86 AND TR-II TRIPPED ON 86, 87, HV/LV. 11KV I/C-I ALSO TRIPPED ON O/C `R&B PHASE.
23	08.04.12	11.44	400/220KV 315MVA ICT-III AT BAMNAULI	08.04.12	12.24	ICT TRIPPED ON B-I, 186A/GROUP A 95A1/ GROUP B 95B1.
24	08.04.12	11.44	200KV BAMNAULI – PAPPANKALAN-I CKT-I	08.04.12	12.17	CKT. TRIPPED ON DIST PROT `B&C' PHASE AT BAMNAULI. NO TRIPPING AT PAPPANKALAN-I.
25	08.04.12	16.57	220/33KV 100MVA PR. TR.-I AT AIIMS TRAUMA CENTER	12.04.12	10.35	TR. TRIPPED ON 86A&B.
26	08.04.12	16.57	220/66KV 160MVA PR. TR.-II AT PRAGATI	08.04.12	20.22	TR. TRIPPED ON 86. IT TRIPPED ON E/F, O/C AT GT END.
27	08.04.12	16.57	220KV MAHARANI BAGH – SARITA VIHAR CKT.	08.04.12	23.02	CKT. TRIPPED ON DIST PROT `RYB' PHASE ZONE-I, 186 AT SARITA VIHAR AND ON DIST PROT. AT MAHARANI BAGH. `B' PHASE LA BLASTED AT SARITA VIHAR.
28	09.04.12	01.44	220KV PANIPAT – NARELA CKT-II	09.04.12	02.07	CKT. TRIPPED ON DIST PROT DIST PROT `ABC' PHASE ZONE-I, 80D, 186 AT NARELA. RELAY INDICATIONS OF PANIPAT END NOT AVAILABLE.
29	09.04.12	12.25	220KV BTPS – MEHRAULI CKT-I	09.04.12	12.55	CKT. TRIPPED ON 186, 30C, 30G, AUXILIARY RELAY TRIPPED AT BTPS AND ON DIST PROT 'C' PHASE ZONE-I, 186A&B AT MEHRAULI.
30	10.04.12	16.48	220KV BAMNAULI – PAPPANKALAN-I CKT-I	10.04.12	18.10	CKT. TRIPPED ON DIST PROT 86A, 86C, , 186A, 186B, 186C AT BAMNAULI. NO TRIPPING AT PAPPANKALAN-I

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	DATE	TIME		DATE	TIME	
31	10.04.12	16.48	220/66KV 100MVA PR. TR.IV AT PAPPANKALAN-I	12.04.12	19.35	TR. TRIPPED ON 195C, 295C, 86A, 86B, 86C
32	10.04.12	17.01	220KV WAZIRABAD - GEETA COLONY CKT-I & II	10.04.12	17.27	CKT-I TRIPPED ON MAIN-I GROUP-I, DIST PROT ABC' PHASE ZONE-I, O/C, MAIN-II, DIST PROT `ABC' PHASE ZONE-I,, 86, 27RYB AND CKT-II TRIPPED ON MAIN-I, 86, 27RYB, ACTIVE GROUP, DIST PROT `ABC' PHASE, MAIN-II DIST PROT `ABC' PHASE ZONE-I AT WAZIRABAD. NO TRIPPING AT GEETA COLONY.
33	10.04.12	16.56	220KV MANDOLA – GOPALPUR CKT-II	10.04.12	16.56	CKT. TRIPPED ON DIST PROT `B' PHASE ZONE-I AT MANDOLA AND ON DIST PROT `RYB' PHASE ZONE-I AT GOPALPUR.
34	10.04.12	16.47	400KV BAWANA – MUNDKA CKT-I	10.04.12	18.12	CKT. TRIPPED ON DIST PROT CN ZONE-I, 186A&B AT BAWANA.
35	10.04.12	16.51	220KV BAWANA – DSIDC CKT-II	10.04.12	17.43	CKT. TRIPPED ON DIST PROT `BC' PHASE ZONE-I, AUTO RECLOSE LOCK OUT AT BAWANA. NO TRIPPING AT DSIDC.
36	10.04.12	16.56	220KV BAWANA – SHALIMAR BAGH CKT-I	10.04.12	17.43	CKT. TRIPPED ON DIST PROT `A' PHASE, 21Q, 186A&B AT BAWANA. NO TRIPPING AT SHALIMAR BAGH.
37	10.04.12	17.02	220KV MANDOLA – WAZIRABAD CKT-IV	10.04.12	17.28	AT WAZIRABAD CKT TRIPPED ON GENERAL TRIP RYB PHASE, SOTF NO TRIPPING AT MANDOLA.
38	12.04.12	17.03	220/66KV 160MVA PR. TR.-I & II AT PRAGATI	12.04.12	17.34	TR-I TRIPPED ON 86 AND TR.-II TRIPPED ON BUCHLOZ, 30D, PRV, 30E, 86. 66KV I/C-I & II TRIPPED ON O/C, E/F TR-I & II ENERGIZED AT 17.18HRS AND 17.34HRS RESPECTIVELY.
39	13.04.12	10.43	33/11KV 16MVA PR. TR.-I AT SUBZI MANDI	13.04.12	11.55	TR. TRIPPED ON O/C `R&B' PHASE.
40	14.04.12	08.18	220KV PANIPAT – NARELA CKT-II	14.04.12	09.31	CKT. TRIPPED ON DIST PROT `ABC' PHASE ZONE-I AT NARELA. RELAY INDICATIONS AT PANIPAT END NOT AVAILABLE.
41	17.04.12	01.34	220KV SARITA VIHAR - MAHARANI BAGH CKT	17.04.12	02.35	CKT. TRIPPED ON DIST PROT `R' PHASE AT MAHARANI BAGH. CKT. ALSO TRIPPED AT SARITA VIHAR BUT RELAY INDICATIONS COULD NOT BE READ.
42	17.04.12	10.31	220KV NARELA – ROHTAK ROAD CKT II	17.04.12	11.34	CKT. TRIPPED ON DIST PROT `ABC' PHASE AT NARELA. NO TRIPPING AT ROHTAK ROAD.
43	19.04.12	10.20	66/11KV 20MVA PR. TR.-I AT NAJAFGARH	19.04.12	18.31	TR. TRIPPED ON O/C, 51ABC, 86.
44	19.04.12	16.01	400/220KV 315MVA ICT-IV AT MUNDKA	19.04.12	20.44	ICT TRIPPED ON 86.
45	20.04.12	13.28	400/220KV 315MVA ICT-III AT BAMNAULI	20.04.12	14.12	ICT TRIPPED ON 186A, 186B, 86, GROUP-B, BACK UP RELAY, P127

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	DATE	TIME		DATE	TIME	
46	20.04.12	13.28	220KV MEHRAULI – DIAL CKT-I & II	20.04.12	17.55	THE FOLLOWING RELAY INDICATIONS OBSERVED : AT DIAL : 220KV MEHRAULI CKT-I : M-I, REC, GETR, BSR, B-MAIN-I, REC, GETR, BSR, RYB, MAIN-II REL MAIN2 PROTECTION TRIP, B PHASE FAULTY, REL MAINII B PHASE TRIP, REL MAIN-II ZONE-II, RED MAIN-I, RYB TRIP, RED MAIN-I PROTECTION TRIP 220KV MEHRAULI CKT-II : REC GETR, BFR, B MAIN-I, GETR, BFR, RYB, MAIN-II RED MAIN-I, PROTECTION TRIP, RED MAIN-I, PROTECTION TRIP RED COMMUNICATION FAIL, REL MAIN-II, B PHASE TRIP, REL MAIN-II, PROTECTION TRIP, REL B PHASE FAULTY AT MEHRAULI : 220KV DIAL CKT-I : NO TRIPPING 220KV DIAL CKT-II : ACTIVE GROUP-I, DIST PROT `C' PHASE ZONE-I, 86, 186 BOTH CKTS CHARGED AT 17.55HRS. FROM DIAL AND NORMALIZED AT MEHRAULI.
47	22.04.12	00.29	220KV PANIPAT – NARELA CKT-I	22.04.12	00.48	CKT. TRIPPED ON DIST PROT `C' PHASE ZONE-I, 186 AT NARELA. NO TRIPPING AT PANIPAT.
48	22.04.12	06.46	220/33KV 100MVA PR. TR.-I AT IP	22.04.12	06.53	TR. TRIPPED ON TRIPPING RELAY.
49	22.04.12	11.38	220/33KV 100MVA PR. TR -I & II AT PARK STREET	22.04.12	12.37	BOTH TRS TRIPPED DUE TO BLAST IN `R&Y' PHASE CTS OF MOTIA KHAN CKT-I
50	22.04.12	16.54	220/33KV 100MVA PR. TR -I & II AT PARK STREET	22.04.12	17.00	BOTH TR. TRIPPED ON 86 ALONG WITH THEIR 33KV I/CS WHICH ALSO TRIPPED ON 86.
51	23.04.12	05.39	66/33KV 30MVA PR. TR-I & II AT PARK STREET	23.04.12	14.10	30MVA PR. TR.-I TRIPPED ON DIFFERENTIAL, A&C PHASE, LBB PROTECTION, 86 AND 30MVA PR. TR.-II TRIPPED ON 87 RYB, HIGH SPEED RELAY, 871RYB, 64RLV, 86. 33KV I/C-II ALSO TRIPPED DUE TO FLASH. 66KV I/C-I ALSO TRIPPED AT 05.39HRS. WHICH CHARGED AT 06.52HRS. 30MVA PR. TR.-I & II CHARGED AT 14.10HRS. AND 19.15HRS. RESPECTIVELY.
52	23.04.12	05.43	220/33KV 100MVA PR. TR.-I & II AT PARK STREET	23.04.12	07.11	BOTH TRS. TRIPPED ON 86A. 33KV I/C-I & II ALSO TRIPPED. 33KV I/C-I TRIPPED ON 51C, O/C, 86 AND 33KV I/C-II TRIPPED ON 51N, E/F, 86. BOTH TRS CHARGED AT 07.11HRS.
53	23.04.12	15.55	220/33KV 100MVA PR. TR.-III & IV AT PARK STREET	23.04.12	19.10	BOTH TR. TRIPPED ON E/F. MONKEY FOUND DEAD IN YARD.
54	23.04.12	17.25	220/33KV 100MVA PR. TR.-IV AT OKHLA	23.04.12	18.35	TR-IV TRIPPED ON O/C, 86 ALONG WITH 33KV I/C-III & IV. 33KV I/C-III TRIPPED ON 51A, 86 AND 33KV I/C-IV TRIPPED ON 86LV. 33KV `Y' PHASE JUMPER OF 33KV EAST OF KAILASH CKT. SNAPPED. 33KV I/C-III & IV CHARGED AT 18.31HRS. AND 18.35HRS RESPECTIVELY.
55	24.04.12	13.28	220/33KV 100MVA PR. TR.-II AT NARAINA	24.04.12	14.27	TR. TRIPPED WITHOUT INDICATION.
56	24.04.12	14.00	33/11KV 16MVA PR. TR.-I AT SUBZI MANDI.	24.04.12	15.39	TR. TRIPPED ON PRV, SPRV, AUX. RELAY FUNCTION, 86, 30ABCEF.
57	24.04.12	14.48	220KV MAHARANI BAGH – PRAGATI CKT.	25.04.12	14.03	CKT. TRIPPED ON POLE DISCREPANCY AT PRAGATI. NO TRIPPING AT MAHARANI BAGH.
58	25.04.12	06.36	400/220KV 315MVA ICT-I AT BAMNAULI	25.04.12	18.17	TR. TRIPPED ON DIFFERENTIAL A&C PHASE. `R' PHASE 220KV SIDE DISC FOUND FLASHED.
59	25.04.12	06.36	220KV NARAINA – RIDGE VALLEY CKT	25.04.12	07.02	CKT. TRIPPED ON E/F AT NARAINA. NO TRIPPING AT RIDGE VALLEY.

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	DATE	TIME		DATE	TIME	
60	25.04.12	06.36	220KV BAMNAULI – NAJAFGARH CKT-II	25.04.12	07.15	CKT. TRIPPED ON DIST PROT `A' PHASE ZONE-I AT BAMNAULI. NO TRIPPING AT NAJAFGARH.
61	25.04.12	06.35	220/66KV 100MVA PR. TR.-I AT PAPPANKALAN-II	25.04.12	11.05	TR. TRIPPED ON 186, E/F
62	27.04.12	18.28	220/33KV 100MVA PR. TR.-II AT PARK STREET	27.04.12	18.38	TR. TRIPPED ON 86A ALONG WITH ITS 33KV I/C-II WHICH TRIPPED ON 86, E/F.
63	29.04.12	10.51	220KV BAMNAULI – PAPPANKALAN-II CKT-II	29.04.12	12.15	CKT. TRIPPED ON DIST PROT `A&B' PHASE, 186A&B, AUTO RECLOSE LOCK OUT. NO TRIPPING AT PAPPANKALAN-II
64	29.04.12	11.48	220KV BAMNAULI – PAPPANKALAN-I CKT-I	29.04.12	12.08	CKT. TRIPPED ON DIST PROT `B&C' PHASE, AUTO RECLOSE LOCK OUT, 186A&B AT BAMNAULI. NO TRIPPING AT PAPPANKALAN-I.
65	30.04.12	13.44	220KV BTPS – OKHLA CKT-II	30.04.12	20.39	CKT. TRIPPED ON E/F, ZONE-I, 30A, 30G AT BTPS AND ON `R'PHASE ZONE-I AT OKHLA.

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

DATE	S. N.	TIME		Name of Grid	NAME OF AFFECTED FEEDERS	LOAD RELIEF IN MW
		OUT	IN			
10.04.12	1	17.01	17.17	RPH	BAY NO. 16 (FOUNTAIN)	60
					BAY NO. 13 (G.B.PANT)	
					BAY NO. 12 (I.G.STADIUM)	
					BAY NO. 6 (JAMA MASJID)	
					BAY NO. 19 & 20 (KAMLA MARKET)	
					BAY NO. 18 (TOWN HALL)	
	2	17:01	17:17	I.P.STATION	BAY NO. 19 (G.B.PANT)	41
					BAY NO. 29 (I.G.STADIUM)	
					BAY NO. 30 (KAMLA MARKET)	
					BAY NO. 2 (LAHORI GATE)	
					BAY NO. 34 (MINTO ROAD)	
	3	17:01	17:14	I.P.STATION	KILOKRI, EXHIBITION GROUND-II,	15
					LAJPAT NAGAR	
	4	17:01	17:11	I.P.STATION	TILAK MARG	15
	5	17:01	17:13		CANNOUGHT PLACE	18
	6	17:01	17:10		NIRMAN BHAWAN	17
	7	17:01	17:10		ELECTRIC LANE	6