

DELHI TRANSCO LTD.

STATE LOAD DISPATCH CENTER

PROGRESS REPORT

MAY 2013

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SALIENT FEATURES OF DELHI POWER SYSTEM

Sr. No.	Features	MAY 2013	MAY 2012
1	Effective Generation Capacity within Delhi in MW		
	Rajghat Power House	135	135
	Gas Turbine	270	270
	Pragati Power Corporation Ltd.	330	330
	Badapur Thermal Power Station	705	705
	Rithala GT	108	108
	Bawana	685	469
	TOWMCL	16	--
	Total	2249	2017
2	Maximum Unrestricted Demand (MW)	5315	5193
	Date	27.05.2013	30.05.2012
	Time	15.29.47	15.23.40
3	Peak Demand met (MW)	5315	5155
	Date	27.05.2013	30.05.2013
	Time	15.29.47	15.23.40
4	Peak Availability (MW)	5364	5026
5	Shortage (-) / Surplus (+) in MW	(+)49	(-)129
6	Percentage Shortage (-) / Surplus (+)	(+) 0.92	(-) 2.5
7	Maximum Energy Consume in a day (Mus)	98.436	99.239
8	Energy Consumed during the month	2674.535	2659.082
9	Load Shedding in Mus		
A)	Due to Grid Restrictions		
i)	Under Frequency Relay Operations	0.028	0.447
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	0.206	1.646
	BRPL	0.748	0.920
	BYPL	0.085	0.548
	NDMC	0.007	0.000
	MES	0.000	0.000
iv)	Due to transmission Constraints in Central Sector	0.179	0.000
	Total due to Grid Restriction	1.253	3.561
B)	Due to Constraints in System in Mus		
	DTL	3.907	3.950
	NDPL	0.341	1.135
	BRPL	1.673	1.775
	BYPL	0.630	0.497
	NDMC	0.000	0.000
	MES	0.000	0.000
	Other Agencies	0.396	0.368
	Total	6.997	7.725
11	Grand Total in Mus	8.250	11.286

2. PERFORMANCE OF GENERATING STATIONS WITHIN DELHI DURING MAY 2013

A) For the month of May 13

All Figures in MUs

S. No	Stations	Gross Generation	Aux. Consumption	Net Generation	Availability (%)	Backing Down
1.	RPH	58.679	8.139	50.540	57.19	0.0000
2.	GT	108.815	3.528	105.287	87.34	64.8975
3.	PPCL	214.268	5.808	208.460	90.59	7.9245
4.	BTPS	427.660	36.546	391.114	97.50	65.2737
5.	Rithala	0.000	0.140	-0.140	88.19	60.3360
6.	Bawana	174.562	5.431	169.131	92.52	289.11255
7.	Towmcl	10.634	1.588	9.046	--	--
	TOTAL	994.618	61.18	933.438	--	487.54425

B) For the Year 2013-14 (Upto May 2013)

Power Station	Effective Capacity (MW)	Net Generation in MUs for May 2013	Availability (%) for May 2013	PLF (%) for May 2013	Cumulative Generation in MUs upto May 2013 for the year 2013-14	Cumulative Availability in % upto May 2013 for the year 2013-14	Cumulative PLF in % upto May 2013 for the year 2013-14
RPH	135	50.540	57.19	57.19	119.833	69.00	69.00
GT	270	105.287	87.34	54.04	231.000	88.95	60.16
PPCL	330	208.460	90.59	87.26	404.553	90.45	85.99
BTPS	705	391.114	97.50	83.75	764.509	95.54	82.84
Rithala	108	-0.140	88.19	0.00	-0.275	88.67	0.00
Bawana	685	169.131	92.52	34.09	186.454	65.31	19.09
Towmcl	16	9.046	--	--	9.046	--	--
TOTAL	2249	933.438	--	--	1715.12	--	--

3
(A)

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

RPH STATION

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	67.5	03.04.13	18.35	03.04.13	19.45	Unit tripped due to drum level very low.
		04.04.13	08.55	04.04.13	09.45	Unit tripped due to drum level low.
		14.04.13	10.20	14.04.13	15.40	Unit desynchronised to attend the CW line leakage.
		19.04.13	08.25	19.04.13	16.40	Unit desynchronised to attend the Boiler window repairing.
		19.04.13	17.00	19.04.13	17.30	Unit tripped due to bay no. 20 tripped.
		03.05.13	20.00	05.05.13	03.30	Unit desynchronised to attend the Boiler tube leakage.
		05.05.13	11.40	05.05.13	13.40	Unit tripped due to drum level low.
		05.05.13	15.55	05.05.13	20.15	Dark out due to Reactor on bay no. 9 had been blasted.
		19.05.13	07.10	24.05.13	04.40	Unit desynchronised due to shortage of coal fuel and to attend the CW line leakage.
		25.05.13	01.50	25.05.13	03.20	Unit tripped due to Furnace pr. very high.

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
2	67.5	03.04.13	04.10	03.04.13	05.35	Unit tripped due to turbine trip.
		05.04.13	20.00	06.04.13	04.05	Unit desynchronised to attend the economiser tube leakage.
		14.04.13	10.10	14.04.13	18.15	Unit desynchronised to attend the CW line leakage.
		04.05.13	09.20	06.05.13	03.25	Unit desynchronised to attend the Economiser tube leakage.
		11.05.13	17.15	11.05.13	18.00	Unit tripped due to turbine trip.
		11.05.13	23.20	11.05.13	23.45	
		19.05.13	07.15	19.05.13	20.55	Unit desynchronised to attend the CW line leakage.
		24.05.13	05.50	Contd.		Unit desynchronised due to shortage of coal fuel.

(B)

Gas Turbine

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	30	01.04.13	0:00	01-04-13	5:45	Stopped due to low demand and high frequency
		03.04.13	16:30	10-04-13	11:25	
		18.04.13	23:20	19-04-13	12:01	
		19.04.13	12:15	22-04-13	5:47	
		29.04.13	11:31	29-04-13	23:37	
		07.05.13	1:45	13-05-13	14:25	
		13.05.13	16:48	13-05-13	17:10	Machine came on FSNL during charging of 160 MVA Trf.
		18.05.13	13:25	21-05-13	21:10	Stopped due to low demand and high frequency
		30.05.13	21:45	CONTD.		

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
2	30	01-04-13	0:00	01-04-13	5:35	Stopped due to low demand and high frequency
		03-04-13	12:02	09-04-13	5:50	
		10-04-13	17:25	11-04-13	11:45	
		28-04-13	21:40	28-04-13	23:45	
		07-05-13	16:30	13-05-13	17:20	
		17-05-13	16:20	31-05-13	23:59	

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
3	30	01-04-13	0:00	01-04-13	7:30	Stopped due to low demand and high frequency
		17-04-13	10:40	22-04-13	8:10	
		28-04-13	21:46	29-04-13	10:55	
		04-05-13	0:05	06-05-13	14:00	
		07-05-13	1:50	07-05-13	12:00	
		11-05-13	19:30	14-05-13	17:15	
		14-05-13	18:23	14-05-13	21:00	
		14-05-13	21:00	17-05-13	15:45	

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
4	30	01-04-13	0:00	03-04-13	15:50	Stopped due to low demand and high frequency
		17-04-13	10:40	27-04-13	3:15	
		04-05-13	0:02	06-05-13	14:13	
		07-05-13	13:20	07-05-13	15:55	
		11-05-13	19:32	14-05-13	9:58	
		21-05-13	13:10	21-05-13	17:10	
		30-05-13	3:05	31-05-13	23:59	

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
5	30	28-04-13	9:34	06-05-13	13:25	Stopped due to low demand and high frequency
		13-05-13	16:48	14-05-13	9:27	
		14-05-13	9:47	18-05-13	10:56	
		24-05-13	18:52	25-05-13	9:55	Tripped due to R-communication link failure alarm & master protective alarm appeared.

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
6	30	10-04-13	12:45	10-04-13	16:30	Stopped due to low demand and high frequency
		21-04-13	12:42	22-04-13	10:15	
		28-04-13	9:32	30-04-13	0:40	
		13-05-13	13:00	13-05-13	16:48	Tripped due to heavy jerk observed in control room.
		13-05-13	16:48	14-05-13	10:38	Stopped due to low demand and high frequency
		14-05-13	18:00	21-05-13	11:05	Oil temp gauge which is mounted on T/F was founded tilted by at least 30 which leads to mal-operation of mercury switch and relay 26 TP-I & 26TP-II operated causing the machine tripped on Electrical trouble normal shutdown
		29-05-13	10:42	29-05-13	12:30	

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG-1	30	01-04-13	0:00	01-04-13	9:15	Stopped due to low demand and high frequency
		01-04-13	9:30	01-04-13	11:10	Machine stopped due to inspection of high Vibration
		03-04-13	16:30	09-04-13	8:25	Stopped due to low demand and high frequency
		29-04-13	11:31	30-04-13	2:05	
		07-05-13	16:30	13-05-13	19:15	
		18-05-13	13:25	22-05-13	0:10	
		30-05-13	21:45	31-05-13	23:59	

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG-2	30	01-04-13	0:00	01-04-13	11:25	Stopped due to low demand and high frequency
		16-04-13	10:40	22-04-13	11:45	
		23-04-13	12:14	23-04-13	13:09	Machine tripped due to malfunctioning of MS-14 Valve
		27-04-13	5:30	27-04-13	6:15	Machine tripped in the jerk.
		28-04-13	21:46	29-04-13	11:30	Stopped due to low demand and high frequency
		04-05-13	0:02	06-05-13	17:05	
		11-05-13	19:30	14-05-13	13:57	
		19-05-13	1:25	19-05-13	3:05	

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG-3	30	05-04-13	17:05	05-04-13	18:20	Machine stopped manually to attend oil Leakage from Secondary oil Pressure line
		28-04-13	9:34	30-04-13	4:25	Stopped due to low demand and high frequency
		03-05-13	17:41	03-05-13	19:04	Machine stopped due to problem in drum level indication and level problem.
		13-05-13	13:00	13-05-13	16:48	Tripped due to heavy jerk observed in control room.
		13-05-13	16:48	14-05-13	13:50	Stopped due to low demand and high frequency
		14-05-13	18:00	18-05-13	13:05	

(C) PRAGATI STATION

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	104	23.05.13	14:29	23.05.13	14:56	Tripped due to Gas Fuel Pr. Low by GAIL

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
2	104	21.04.13	8.15	21.04.13	18.15	Stopped by DTL to attend hot spot.
		21.04.13	18.15	23.04.13	6.31	Tripped on internal fault
		26.04.13	6.45	26.04.13	8.37	
		14.05.13	13.28	14.05.13	14.13	

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG	122	17.04.13	18.37	17.04.13	19.52	Tripped on internal fault
		21.04.13	11.44	21.04.13	14.15	
		21.04.13	14.15	21.04.13	18.36	Shut down continued by DTL to attend hot spot.

(D) BADARPUR THERMAL POWER STATION

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	95	01.04.13	0:00	01.04.13	19:18	Reserve Shutdown
		12.05.13	18:18	12.05.13	21:20	Grid Disturbance

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
2	95	12.05.13	18:18	12.05.13	20:07	Grid Disturbance

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
3	95	03.04.13	19:55	22.04.13	13:40	Planned Shutdown
		12.05.13	18:18	12.05.13	20:20	Grid Disturbance
		26.05.13	12:41	27.05.13	12:58	Economiser Tube leakage

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
4	210	09.04.13	22:17	10.04.13	2:07	MDBFP relay malfunction
		12.05.13	18:18	12.05.13	21:35	Grid Disturbance
		25.05.13	7:28	23.05.13	15:34	UAT 4A diff relay casing shorted

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
5	210	09.05.13	0:06	09.05.13	15:57	APH 5B NDE Bearing vibration high
		11.05.13	19:48	14.05.13	12:17	Reserve Shutdown

(E) BAWANA CCGT POWER STATION

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	216	01.04.13	00:00	01.04.13	8:39	Combustion inspection
		05.04.13	10:55	21.04.13	--	M/C under planned shut down due to CW interconnection/CW sump cleaning/Diverter Damper setting

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
2	216	05.04.13	13:13	12.04.13	19:02	M/C under planned shut down due to CW interconnection/CW sump cleaning/Diverter Damper setting up to 12.04.13
		14.04.13	13:40	25.04.13	08:57	Stopped due to low demand and high frequency
		29.04.13	22:25	30.04.13	06:25	M/C Stopped due to gas leakage in pipe line
		07.05.13	20:38	08.05.13	0:26	CW Pump Motor Failure
		29.05.13	13:57	29.05.13	15:30	GT#2 tripped on EPB press by default

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG	254	01.04.13	0:00	27.04.13	19:19	M/C under planned shut down due to CW interconnection/CW sump cleaning/Diverter Damper setting up to 12.04.13 after force shutdown due to bearing failure of turbine up to 25.04.13 and 25.04.13 to 27.04.13 due to generator IR value low
		29.04.13	22:25	30.04.13	6:25	M/C Stopped due to gas leakage in pipe line
		30.04.13	22:07	30.04.13	23:37	GT#2 Diverted damper is closed
		07.05.13	20:35	08.05.13	3:12	CW Pump A Motor Failure
		08.05.13	11:57	08.05.13	13:19	CW Pump B Motor winding temperature increased up to threshold limit
		29.05.13	13:57	29.05.13	16:50	STG trip on GT trip

(E) RITHALA POWER STATION

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	31.8	19.03.13	17:32	Contd.		No schedule have been given by SLDC on Spot gas

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
2	31.8	05.03.13	15:38	Contd.		No schedule have been given by SLDC on Spot gas Gas turbine taken on spot)

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG	31.8	27.02.13	00:01	Contd.		No schedule have been given by SLDC on Spot gas

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. 19.01.2013

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-allocated Quota at Delhi periphery	Total allocation at Delhi periphery
1	2	3	4	5	6	7	(8)=(5)+(7)
NTPC STATIONS							
Singrauli STPS	2000	300	150	130	0	0	130
Rihand-I	1000	150	100	87	0	0	87
Rihand Stage -II	1000	150	126	109	0	0	109
Rihand Stage -III	500	75	66	57	0	0	57
ANTA GPS	419	63	44	41	0	0	41
Auriya GPS	663.36	99	72	67	0	0	67
Dadri GPS	829.78	129	91	85	0	0	85
Dadri NCTPS (Th)	840	0	756	657	0	0	657
Dadri NCTPS (Th) Stage-II	980	147	735	639	0	0	639
Unchahaar-I TPS	420	20	24	21	0	0	21
Unchahaar-II TPS	420	63	47	41	0	0	41
Unchahaar-III TPS	210	31	29	25	0	0	25
TOTAL	9282	1227	2240	1959	0	0	1959
NHPC							
Baira Suil HPS	180	0	20	19	0	0	19
Salal HPS	690	0	80	76	0	0	76
Tanakpur HEP	94	0	12	11	0	0	11
Chamera HEP	540	0	43	41	0	0	41
Chamera-II HEP	300	54	40	38	0	0	38
Chamera-III HEP	231	35	29	28	0	0	28
URI HEP	480	0	53	50	0	0	50
Sewa HEP	120	18	16	15	0	0	15
Dhaulti Ganga HEP	280	42	37	35	0	0	35
Dulhasti HEP	390	58	50	48	0	0	48
TOTAL	3305	206	380	361	0	0	361
NPC							
Narora APS	440	64	47	41	0	0	41
RAPP(B)	440	66	0	0	0	0	0
RAPP (C)	440	64	56	49	0	0	49
TOTAL	1320	194	103	89	0	0	89
SVJNL							
Nathpa Jhakri HEP	1500	149	142	123	0	0	123
THDC							
Tehri Hydro	1000	99	103	89	0	0	89
Koteshwar HEP	400	40	39	37	0	0	37
TOTAL	1400	139	142	127	0	0	127
Total	16807	1915	3007	2660	0	0	2660
Allocation from ER and Tala HEP							
Farakka	1600	0	22	19	0	0	19
Kahalgaon	840	0	51	43	0	0	43
Talchar	1000	0	0	0	0	0	0
Tala HEP	1020	153	30	25	0	0	25
Mejia TPS Unit-6	250	0	29	25	0	0	25
Kahalgaon-II	1500	0	157	131	0	0	131
Total ER	6210	153	290	242	0	0	242
Joint Venture							
Jhajjar TPS	1000	76	231	201	0	0	201
Grand Total	24017	2144	3528	3102	0	0	3102

5 ALLOCATION OF POWER TO DISCOMS

ALLOCATION OF POWER TO VARIOUS LICENCEES 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	36.87	24.90	100.00
3. BTPS	15.07	7.09	21.88	33.37	22.59	100.00
4. RPH	0.00	0.00	28.39	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 MAY 2013

All figures in MW

Date	Time of peak demand	Generation within Delhi								Import from the Grid	Schedule from the Grid	OD(-)/UD(+)	Demand met	Shedding	Un-Restricted Demand
		RPH	GT	PPCL	Rithala	Bawana	Towmcl	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	15.37.08	80	175	265	0	264	10	498	1292	2612	2818	-206	3904	0	3904
2	15.48.15	96	181	286	0	226	8	507	1304	2677	2826	-149	3981	0	3981
3	15.31.13	48	176	282	0	221	11	499	1237	2792	2985	-193	4029	0	4029
4	23.00.00	0	107	290	0	270	10	521	1198	2732	2815	-83	3930	0	3930
5	22.56.37	51	108	291	0	275	10	599	1334	2705	2694	11	4039	0	4039
6	15.35.29	98	191	278	0	261	14	615	1457	2936	3174	-238	4393	8	4401
7	14.36.50	103	139	276	0	241	9	615	1383	3094	2982	112	4477	2	4479
8	14.56.56	90	146	276	0	252	10	586	1360	3157	3232	-75	4517	4	4521
9	15.06.50	98	145	276	0	245	10	397	1171	3440	3251	189	4611	0	4611
10	15.33.14	96	150	278	0	364	10	524	1422	3202	3339	-137	4624	4	4628
11	00.00.29	100	155	287	0	229	10	495	1276	3122	3000	122	4398	0	4398
12	00.01.31	100	155	287	0	229	10	495	1276	2664	2733	-69	3940	0	3940
13	15.25.34	101	29	283	0	236	14	337	1000	3233	3348	-115	4233	11	4244
14	15.36.16	79	136	280	0	278	14	477	1264	3190	3372	-182	4454	0	4454
15	15.59.45	102	98	276	0	214	13	533	1236	3235	3401	-166	4471	3	4474
16	15.42.19	100	114	277	0	197	14	525	1227	3346	3441	-95	4573	2	4575
17	15.20.03	89	97	274	0	223	11	531	1225	3374	3564	-190	4599	0	4599
18	00.00.26	102	114	291	0	206	14	504	1231	3259	3293	-34	4490	0	4490
19	22.54.38	47	111	284	0	221	15	523	1201	3205	3233	-28	4406	32	4438
20	23.15.07	50	115	284	0	218	16	526	1209	3542	3655	-113	4751	7	4758
21	15.05.59	50	110	271	0	213	11	519	1174	3775	3816	-41	4949	10	4959
22	15.37.35	45	175	267	0	218	11	576	1292	3663	3772	-109	4955	19	4974
23	15.11.55	40	172	191	0	237	12	401	1053	4002	3957	45	5055	117	5172
24	15.12.40	49	178	266	0	214	13	584	1304	3910	3909	1	5214	20	5234
25	15.23.24	53	178	271	0	224	13	581	1320	3634	3758	-124	4954	3	4957
26	00.00.23	52	184	280	0	263	12	560	1351	3445	3695	-250	4796	0	4796
27	15.29.47	54	178	272	0	224	13	571	1312	4003	4052	-49	5315	0	5315
28	15.31.23	50	180	272	0	209	1	531	1243	3869	3909	-40	5112	3	5115
29	15.24.25	49	180	272	0	-12	13	523	1025	3997	3932	65	5022	2	5024
30	15.33.19	52	147	277	0	216	15	525	1232	3711	3762	-51	4943	0	4943
31	15.52.24	49	115	277	0	209	10	514	1174	3737	3914	-177	4911	3	4914

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

Date	Time of peak demand	Generation within Delhi								Import from the Grid	Schedule from the Grid	OD(-)/UD(+)	Demand met	Shedding	Un-Restricted Demand
		RPH	GT	PPCL	Rithala	Bawana	Towmcl	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	15.37.08	80	175	265	0	264	10	498	1292	2612	2818	-206	3904	0	3904
2	15.48.15	96	181	286	0	226	8	507	1304	2677	2826	-149	3981	0	3981
3	15.31.13	48	176	282	0	221	11	499	1237	2792	2985	-193	4029	0	4029
4	23.00.00	0	107	290	0	270	10	521	1198	2732	2815	-83	3930	0	3930
5	22.56.37	51	108	291	0	275	10	599	1334	2705	2694	11	4039	0	4039
6	15.35.29	98	191	278	0	261	14	615	1457	2936	3174	-238	4393	8	4401
7	14.36.50	103	139	276	0	241	9	615	1383	3094	2982	112	4477	2	4479
8	14.56.56	90	146	276	0	252	10	586	1360	3157	3232	-75	4517	4	4521
9	16.00.00	98	146	273	0	243	8	396	1164	3370	3329	41	4534	79	4613
10	15.33.14	96	150	278	0	364	10	524	1422	3202	3339	-137	4624	4	4628
11	00.00.29	100	155	287	0	229	10	495	1276	3122	3000	122	4398	0	4398
12	00.01.31	100	155	287	0	229	10	495	1276	2664	2733	-69	3940	0	3940
13	15.25.34	101	29	283	0	236	14	337	1000	3233	3348	-115	4233	11	4244
14	15.36.16	79	136	280	0	278	14	477	1264	3190	3372	-182	4454	0	4454
15	15.59.45	102	98	276	0	214	13	533	1236	3235	3401	-166	4471	3	4474
16	15.42.19	100	114	277	0	197	14	525	1227	3346	3441	-95	4573	2	4575
17	15.20.03	89	97	274	0	223	11	531	1225	3374	3564	-190	4599	0	4599
18	00.00.26	102	114	291	0	206	14	504	1231	3259	3293	-34	4490	0	4490
19	22.54.38	47	111	284	0	221	15	523	1201	3205	3233	-28	4406	32	4438
20	23.00.00	100	105	288	0	220	16	519	1248	3465	3555	-90	4713	47	4760
21	15.05.59	50	110	271	0	213	11	519	1174	3775	3816	-41	4949	10	4959
22	15.37.35	45	175	267	0	218	11	576	1292	3663	3772	-109	4955	19	4974
23	15.11.55	40	172	191	0	237	12	401	1053	4002	3957	45	5055	117	5172
24	15.12.40	49	178	266	0	214	13	584	1304	3910	3909	1	5214	20	5234
25	15.23.24	53	178	271	0	224	13	581	1320	3634	3758	-124	4954	3	4957
26	00.00.23	52	184	280	0	263	12	560	1351	3445	3695	-250	4796	0	4796
27	15.29.47	54	178	272	0	224	13	571	1312	4003	4052	-49	5315	0	5315
28	15.31.23	50	180	272	0	209	1	531	1243	3869	3909	-40	5112	3	5115
29	15.24.25	49	180	272	0	-12	13	523	1025	3997	3932	65	5022	2	5024
30	15.33.19	52	147	277	0	216	15	525	1232	3711	3762	-51	4943	0	4943
31	15.52.24	49	115	277	0	209	10	514	1174	3737	3914	-177	4911	3	4914

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

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

A (i) RPH	58.679
(ii) GT+STG	108.815
(iii) PRAGATI	214.268
(iv) RITHALA	0.000
(v) BAWANA CCGT	174.562
(vi) Timarpur - Okhla	10.634
TOTAL	566.958
B) AVAILABILITY FROM BTPS	391.558
C) AUXILIARY CONSUMPTION OF GENERATING STNs. EXCLUDING BTPS	24.633
D) NET GENERATION AVAILABLE WITHIN DELHI(A+B-C)	933.883

B) SOURCE WISE SCHEDULED DRAWL FROM THE NORTHERN GRID

NAME OF THE STATION	AVAILABILITY AT POWER PLANT	AVAILABILITY AT DELHI PERIPHERY	ALLOCATION MADE BY NRLDC AT POWER PLANT	ALLOCATION MADE BY NRLDC AT DELHI PERIPHERY
B/SUIL	9.092	8.853	8.894	8.660
SALAL	46.053	44.839	45.086	43.898
TANKAPUR	4.740	4.616	4.632	4.510
CHAMERA	22.299	21.711	21.773	21.199
CHAMERA -II	25.429	24.759	24.905	24.249
CHAMERA -III	17.403	16.944	17.023	16.575
DHAULIGANGA	16.546	16.109	16.078	15.654
SEWA -2	8.468	8.246	8.315	8.097
URI	39.205	38.174	38.517	37.505
KOTESHWAR	10.095	9.829	10.095	9.829
ANTA (GAS)	17.457	16.999	7.710	7.506
ANTA (RLNG)	11.865	11.552	0.000	0.000
ANTA (LIQUID)	0.064	0.062	0.000	0.000
DADRI (GAS)	28.421	27.675	9.151	8.909
DADRI (RLNG)	36.454	35.495	0.000	0.000
DADRI (LIQUID)	0.000	0.000	0.000	0.000
AURAIYA (GAS)	16.982	16.537	5.555	5.409
AURAIYA (RLNG)	32.968	32.099	0.000	0.000
AURAIYA (LIQUID)	0.065	0.063	0.000	0.000
SINGRAULI	96.936	94.389	93.255	90.805
RIHAND -I	68.047	66.258	61.878	60.252
RIHAND -II	89.585	87.230	83.121	80.936
RIHAND -III	39.413	38.379	37.612	36.626
UNCHAHAAR-I	16.484	16.050	14.164	13.791
UNCHAHAAR-II	32.911	32.045	28.946	28.185
UNCHAHAAR-III	18.695	18.204	16.376	15.946
DADRI (TH)	512.107	498.629	449.412	437.589
DADRI (TH) STAGE-II	491.927	478.986	455.632	443.652
NAPP	23.723	23.099	23.723	23.099
RAPP 'B'	0.000	0.000	0.000	0.000
RAPP 'C'	38.644	37.629	38.644	37.629
NATHPA JHAKRI	88.038	85.717	88.038	85.717
DULASTI	34.493	33.585	33.841	32.950
TEHRI	25.338	24.670	25.338	24.670
JHAJJAR	74.571	72.616	12.125	11.805
KHELGAON	31.744	30.909	25.998	25.315
KHELGAON-II	75.251	73.274	67.468	65.696
FARAKA	12.040	11.724	11.720	11.413
TALA	9.267	9.024	9.267	9.024
TALCHER	0.000	0.000	0.000	0.000
DVC	219.204	216.718	216.718	211.004

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	2.471	2.431	2.431	2.367
DVC CTPS (BRPL)	1.949	1.928	1.928	1.876
DVC CTPS (BYPL)	3.003	2.969	2.969	2.891
DVC CTPS (NDPL)	0.000	0.000	0.000	0.000
METHON POWER(NDPL)LT-06	194.504	192.286	192.286	187.226
DVC MEJIA (LT-08)(BYPL)	81.626	80.701	80.701	78.573
URS	20.272	19.736	20.272	19.736
HARYANA	0.000	0.000	0.000	0.000
HIMACHAL PRADESH	42.729	42.262	42.262	41.147
WEST BENGAL	0.000	0.000	0.000	0.000
MADHYA PRADESH(WR)	0.000	0.000	0.000	0.000
JAMMU & KASHMIR	135.330	133.853	133.853	130.334
DVC (FOR NDPL) LT-09	8.944	8.842	8.842	8.610
HARYANA (LT-05)	30.902	30.564	30.564	29.760
UTTAR PRADESH	43.309	42.704	42.704	41.577
ORISSA	65.167	64.440	64.440	62.738
TO HARYANA	-0.839	-0.851	-0.851	-0.874
TO UTTAR PRADESH	-17.548	-17.795	-17.795	-18.272
TO RAJASTHAN	-0.407	-0.413	-0.413	-0.425
POWER EXCHANGE(IEX)	0.651	0.634	0.651	0.634
TO POWER EXCHANGE (IEX)	-354.541	-364.001	-354.541	-364.001
POWER EXCHANGE(PX)	0.000	0.000	0.000	0.000
TO POWER EXCHANGE (PX)	-15.100	-15.508	-15.100	-15.508
TO SHARE PROJECT (HARYANA)	-9.466	-9.720	-9.466	-9.720
TO SHARE PROJECT (PUNJAB)	-14.180	-14.559	-14.180	-14.559
TOTAL	2560.801	2484.199	2222.565	2142.210

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	1510.379	1470.652	1262.811	1229.605
NTPC - ER	119.035	115.908	105.186	102.424
NHPC	223.730	217.835	219.065	213.297
NPC	62.367	60.728	62.367	60.728
KOTESHWAR	10.095	9.829	10.095	9.829
MUNDRA_UMPP	0.000	0.000	0.000	0.000
NATHPA JHAKRI	88.038	85.717	88.038	85.717
TEHRI	25.338	24.670	25.338	24.670
TALA	9.267	9.024	9.267	9.024
JHAJJAR	74.571	72.616	12.125	11.805
TALCHER	0.000	0.000	0.000	0.000
DVC	219.204	216.718	216.718	211.004
MAHARASHTRA	0.000	0.000	0.000	0.000
GUJRAT	2.471	2.431	2.431	2.367
DVC CTPS (BRPL)	1.949	1.928	1.928	1.876
DVC CTPS (BYPL)	3.003	2.969	2.969	2.891
DVC CTPS (NDPL)	0.000	0.000	0.000	0.000
METHON POWER (NDPL)-LT-06	194.504	192.286	192.286	187.226
DVC MEJIA (LT-08)(BYPL)	81.626	80.701	80.701	78.573
URS	20.272	19.736	20.272	19.736
HARYANA	0.000	0.000	0.000	0.000
HIMACHAL PRADESH	42.729	42.262	42.262	41.147
JAMMU & KASHMIR	135.330	133.853	133.853	130.334
DVC (FOR NDPL) LT-09	8.944	8.842	8.842	8.610
HARYANA (LT -05)	30.902	30.564	30.564	29.760
UTTAR PRADESH	43.309	42.704	42.704	41.577
ORISSA	65.167	64.440	64.440	62.738
POWER EXCHANGE(IEX)	0.651	0.634	0.651	0.634
POWER EXCHANGE(PX)	0.000	0.000	0.000	0.000
TOTAL	2972.882	2907.047	2634.912	2565.568

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 HARYANA	-0.839	-0.851	-0.851	-0.874
TO UTTANCHAL	0.000	0.000	0.000	0.000
TO UTTAR PRADESH	-17.548	-17.795	-17.795	-18.272
TO GUJRAT	0.000	0.000	0.000	0.000
TO MADHYA PRADESH	0.000	0.000	0.000	0.000
TO KERALA	0.000	0.000	0.000	0.000
TO JAMMU & KASHMIR	0.000	0.000	0.000	0.000
TO MAHARASHTRA	0.000	0.000	0.000	0.000
TO RAJASTHAN	-0.407	-0.413	-0.413	-0.425
TO TRIPURA	0.000	0.000	0.000	0.000
TO MEGHALAYA	0.000	0.000	0.000	0.000
TO HIMACHAL PRADESH	0.000	0.000	0.000	0.000
TO WEST BENGAL	0.000	0.000	0.000	0.000
TO POWER EXCHANGE (IEX)	-354.541	-364.001	-354.541	-364.001
TO POWER EXCHANGE (PX)	-15.100	-15.508	-15.100	-15.508
TO SHARE PROJECT (HARYANA)	-9.466	-9.720	-9.466	-9.720
TO SHARE PROJECT (PUNJAB)	-14.180	-14.559	-14.180	-14.559
TOTAL	-412.081	-422.848	-412.346	-423.659
TOTAL SCHEDULED DRAWAL FROM THE GRID	2560.801	2484.199	2222.565	2142.210
TOTAL CONSUMPTION INCLUDING AUX. OF GENERATING STNs. EXCLUDING BTPS				2699.168
NET CONSUMPTION				2674.535
AVAILABILITY WITHIN DELHI				933.883
ACTUAL DRAWAL FROM THE GRID				1740.652
OVER DRAWAL (+)/UNDER DRAWAL (-) FROM THE GRID ON THE BASIS OF SCHEDULED ALLOCATION MADE BY NRLDC TO DELHI AT PERIPHERY				-401.558
LOAD SHEDDING				8.250
UNRESTRICTED DEMAND (GROSS)				2707.418
UNRESTRICTED DEMAND (NET)				2682.785
MAX. NET CONSUMPTION				98.436 ON 27.05.2013
MAX. LOAD SHEDDING				381MW ON 18.05.2013 AT 21.00HRS.
PEAK LOAD	Peak Demand during the month			SHEDDING AT PEAK TIME
DAY PEAK	5315MW AT 15.29.47HRS ON 27.05.2013			0 MW
EVENING PEAK	5035MW AT 23.00.00HRS ON 24.05.2013			47 MW
P.L.F. OF GENCO AND PRAGATI STNs.	RPH			58.42%
	GT			54.17%
	PRAGATI			87.27%
	RITHALA			0.00%
	BAWANA			35.45%
	Timarpur Okhla			89.33%

SHEDDING DETAILS DURING THE MONTH OF MAY 2013.

ALL FIGURES IN MUs

DATE	No. of Under Freq. Relay Operated	Shedding due to under frequency relay operation in MUs					Shedding due to Grid Restrictions (Over drawl / 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-May-13	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2-May-13	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3-May-13	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4-May-13	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5-May-13	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
6-May-13	0	0.000	0.000	0.000	0.000	0.000	0.008	0.008	0.021	0.000
7-May-13	0	0.000	0.000	0.000	0.000	0.000	0.044	0.656	0.185	0.007
8-May-13	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
9-May-13	0	0.000	0.000	0.000	0.000	0.000	0.033	0.084	0.000	0.000
10-May-13	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11-May-13	1	0.013	0.000	0.000	0.000	0.013	0.000	0.000	0.000	0.000
12-May-13	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
13-May-13	1	0.000	0.004	0.000	0.000	0.004	0.000	0.000	0.000	0.000
14-May-13	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15-May-13	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
16-May-13	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17-May-13	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
18-May-13	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
19-May-13	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20-May-13	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
21-May-13	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22-May-13	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
23-May-13	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
24-May-13	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25-May-13	1	0.000	0.008	0.000	0.000	0.008	0.000	0.000	0.000	0.000
26-May-13	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27-May-13	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
28-May-13	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
29-May-13	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30-May-13	1	0.002	0.000	0.000	0.000	0.002	0.000	0.000	0.000	0.000
31-May-13	4	0.001	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.000
TOTAL	8	0.016	0.012	0.000	0.000	0.028	0.085	0.748	0.206	0.007

ALL FIGURES IN MU_s

Date	Shedding due to Transmission/Grid Constraints in Central Sector Stations / TTC / ATC VIOLATION				TOTAL	TOTAL SHEDDING DUE TO GRID RESTRICTIONS	Due to T&D Constraints				
	BSES		NDPL	NDMC			DTL				
	BYPL	BRPL					BSES		NDPL	NDMC	MES
			BYPL	BRPL							
1	12	13	14	15	16=8to15	17=16+7	18	19	20	21	22
1-May-13	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.012	0.000	0.000	0.000
2-May-13	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3-May-13	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	0.000	0.000
4-May-13	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5-May-13	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.054	0.000	0.000	0.000
6-May-13	0.000	0.000	0.000	0.000	0.037	0.037	0.000	0.226	0.000	0.000	0.000
7-May-13	0.000	0.000	0.000	0.000	0.892	0.892	0.000	0.000	0.013	0.000	0.000
8-May-13	0.000	0.000	0.000	0.000	0.000	0.000	0.005	0.000	0.004	0.000	0.000
9-May-13	0.000	0.000	0.000	0.000	0.117	0.117	0.000	0.000	0.000	0.000	0.000
10-May-13	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11-May-13	0.000	0.000	0.000	0.000	0.000	0.013	0.003	0.022	0.000	0.000	0.000
12-May-13	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
13-May-13	0.000	0.000	0.000	0.000	0.000	0.004	0.014	0.000	0.000	0.021	0.000
14-May-13	0.000	0.000	0.000	0.000	0.000	0.000	0.043	0.000	0.000	0.000	0.000
15-May-13	0.000	0.000	0.000	0.000	0.000	0.000	0.005	0.016	0.075	0.000	0.000
16-May-13	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.010	0.000
17-May-13	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.003	0.000	0.000
18-May-13	0.000	0.000	0.000	0.000	0.000	0.000	0.034	0.543	0.000	0.000	0.000
19-May-13	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.120	0.000	0.000	0.000
20-May-13	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.055	0.158	0.000	0.000
21-May-13	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.270	0.000	0.000	0.000
22-May-13	0.038	0.141	0.000	0.000	0.179	0.179	0.000	0.136	0.000	0.000	0.000
23-May-13	0.000	0.000	0.000	0.000	0.000	0.000	0.070	0.723	0.000	0.000	0.000
24-May-13	0.000	0.000	0.000	0.000	0.000	0.000	0.106	0.493	0.033	0.000	0.000
25-May-13	0.000	0.000	0.000	0.000	0.000	0.008	0.010	0.041	0.060	0.000	0.000
26-May-13	0.000	0.000	0.000	0.000	0.000	0.000	0.025	0.123	0.000	0.000	0.000
27-May-13	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.008	0.000	0.000	0.000
28-May-13	0.000	0.000	0.000	0.000	0.000	0.000	0.132	0.049	0.000	0.000	0.000
29-May-13	0.000	0.000	0.000	0.000	0.000	0.000	0.076	0.018	0.003	0.000	0.000
30-May-13	0.000	0.000	0.000	0.000	0.000	0.002	0.000	0.027	0.000	0.000	0.000
31-May-13	0.000	0.000	0.000	0.000	0.000	0.001	0.000	0.036	0.004	0.012	0.000
TOTAL	0.038	0.141	0.000	0.000	1.225	1.253	0.530	2.977	0.357	0.043	0.000

ALL FIGURES IN MUs

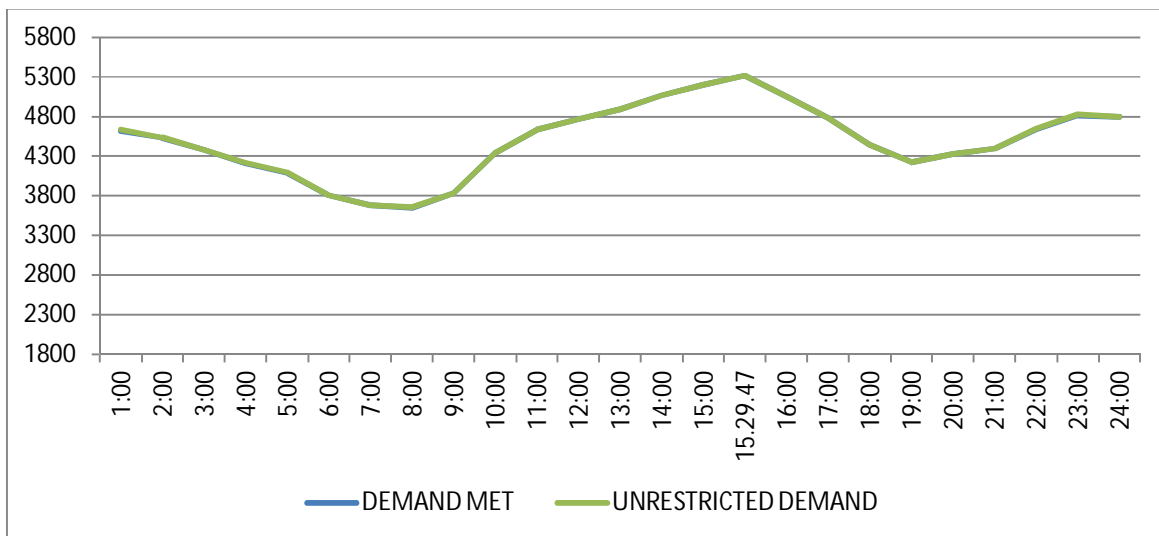
DATE	DUE TO T&D CONSTRAINTS				OTHER AGENCIES LIKE GENCO, BBMB, BTPS ETC.	THEFT PRONE SHEDDING			TOTAL SHEDDING DUE TO T&D CONSTS. & THEFT PRONE	GRAND TOTAL
	DISCOMS									
	BSES		NDPL	NDMC		BSES		NDPL		
	BYPL	BRPL				BYPL	BRPL			
1	23	24	25	26	27	28	29	30=18 to29	31=30+17	
1-May-13	0.006	0.000	0.007	0.000	0.000	0.000	0.000	0.000	0.025	0.025
2-May-13	0.016	0.000	0.017	0.000	0.000	0.000	0.000	0.000	0.033	0.033
3-May-13	0.000	0.011	0.001	0.000	0.000	0.000	0.000	0.000	0.013	0.013
4-May-13	0.002	0.037	0.000	0.000	0.000	0.000	0.000	0.000	0.039	0.039
5-May-13	0.006	0.007	0.000	0.000	0.000	0.000	0.000	0.000	0.071	0.071
6-May-13	0.035	0.016	0.010	0.000	0.000	0.000	0.000	0.000	0.287	0.324
7-May-13	0.048	0.009	0.000	0.000	0.000	0.000	0.000	0.000	0.070	0.962
8-May-13	0.070	0.013	0.002	0.000	0.000	0.000	0.000	0.000	0.094	0.094
9-May-13	0.013	0.005	0.002	0.000	0.000	0.000	0.000	0.000	0.020	0.137
10-May-13	0.039	0.132	0.000	0.000	0.000	0.000	0.000	0.000	0.171	0.171
11-May-13	0.021	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.046	0.059
12-May-13	0.049	0.009	0.011	0.000	0.109	0.000	0.000	0.000	0.178	0.178
13-May-13	0.036	0.020	0.000	0.000	0.000	0.000	0.000	0.000	0.091	0.095
14-May-13	0.019	0.000	0.005	0.000	0.000	0.000	0.000	0.000	0.067	0.067
15-May-13	0.000	0.165	0.022	0.000	0.000	0.000	0.000	0.000	0.283	0.283
16-May-13	0.008	0.080	0.014	0.000	0.000	0.000	0.000	0.000	0.116	0.116
17-May-13	0.000	0.075	0.000	0.000	0.000	0.000	0.000	0.000	0.082	0.082
18-May-13	0.009	0.044	0.004	0.000	0.000	0.000	0.000	0.000	0.634	0.634
19-May-13	0.008	0.029	0.000	0.000	0.000	0.000	0.000	0.000	0.157	0.157
20-May-13	0.035	0.059	0.045	0.000	0.086	0.000	0.000	0.000	0.441	0.441
21-May-13	0.056	0.016	0.025	0.000	0.000	0.000	0.000	0.000	0.367	0.367
22-May-13	0.025	0.242	0.017	0.000	0.000	0.000	0.000	0.000	0.420	0.599
23-May-13	0.124	0.078	0.039	0.000	0.170	0.000	0.000	0.000	1.204	1.204
24-May-13	0.017	0.045	0.017	0.000	0.000	0.000	0.000	0.000	0.711	0.711
25-May-13	0.006	0.065	0.061	0.000	0.007	0.000	0.000	0.000	0.250	0.258
26-May-13	0.017	0.100	0.013	0.000	0.000	0.000	0.000	0.000	0.278	0.278
27-May-13	0.013	0.076	0.002	0.000	0.000	0.000	0.000	0.000	0.099	0.099
28-May-13	0.000	0.077	0.000	0.000	0.000	0.000	0.000	0.000	0.258	0.258
29-May-13	0.000	0.061	0.011	0.000	0.000	0.000	0.000	0.000	0.169	0.169
30-May-13	0.001	0.164	0.009	0.000	0.000	0.000	0.000	0.000	0.201	0.203
31-May-13	0.001	0.038	0.007	0.000	0.024	0.000	0.000	0.000	0.122	0.123
TOTAL	0.680	1.673	0.341	0.000	0.396	0.000	0.000	0.000	6.997	8.250

DATE	(NET CONS.)	MAXL DEMAND MET DURING THE DAY	TIME OF OCCURRENCE OF MAX DEMAND	SHEDDING AT THIS TIME	UN-RESTRICTED DEMAND	MAXIMUM UN-RESTRICTED 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-May-13	76.391	3904	15:37:08	0	3904	3904	15:37:08	3904	0
2-May-13	74.077	3981	15:48:15	0	3981	3981	15:48:15	3981	0
3-May-13	78.413	4029	15:31:13	0	4029	4029	15:31:13	4029	0
4-May-13	74.710	3930	23:00	0	3930	3930	23:00	3930	0
5-May-13	73.099	4039	22:56:37	0	4039	4039	22:56:37	4039	0
6-May-13	83.339	4393	15:35:29	8	4401	4401	15:35:29	4393	8
7-May-13	83.520	4477	14:36:50	2	4479	4479	14:36:50	4477	2
8-May-13	83.843	4517	14:56:56	4	4521	4521	14:56:56	4517	4
9-May-13	87.310	4611	15:06:50	0	4611	4613	16:00	4534	79
10-May-13	87.096	4624	15:33:14	4	4628	4628	15:33:14	4624	4
11-May-13	81.582	4398	00:00:29	0	4398	4398	00:00:29	4398	0
12-May-13	74.323	3940	00:01:31	0	3940	3940	00:01:31	3940	0
13-May-13	79.237	4233	15:25:34	11	4244	4244	15:25:34	4233	11
14-May-13	81.353	4454	15:36:16	0	4454	4454	15:36:16	4454	0
15-May-13	83.271	4471	15:59:45	3	4474	4474	15:59:45	4471	3
16-May-13	81.472	4573	15:42:19	2	4575	4575	15:42:19	4573	2
17-May-13	93.805	4599	15:20:03	0	4599	4599	15:20:03	4599	0
18-May-13	81.817	4490	00:00:26	0	4490	4490	00:00:26	4490	0
19-May-13	82.146	4406	22:54:38	32	4438	4438	22:54:38	4406	32
20-May-13	90.868	4751	23:15:07	7	4758	4760	23:00	4713	47
21-May-13	92.988	4949	15:08:59	10	4959	4959	15:08:59	4949	10
22-May-13	93.088	4955	15:37:35	19	4974	4974	15:37:35	4955	19
23-May-13	95.250	5055	15:11:55	117	5172	5172	15:11:55	5055	117
24-May-13	97.649	5214	15:12:40	20	5234	5234	15:12:40	5214	20
25-May-13	96.599	4954	15:23:24	3	4957	4957	15:23:24	4954	3
26-May-13	90.438	4796	00:00:23	0	4796	4796	00:00:23	4796	0
27-May-13	98.436	5315	15:29:47	0	5315	5315	15:29:47	5315	0
28-May-13	96.707	5112	15:31:23	3	5115	5115	15:31:23	5112	3
29-May-13	95.505	5022	15:24:25	2	5024	5024	15:24:25	5022	2
30-May-13	92.800	4943	15:33:19	0	4943	4943	15:33:19	4943	0
31-May-13	93.403	4911	15:52:24	3	4914	4914	15:52:24	4911	3
TOTAL	2674.535	5315 27.05.2013	15:29:47	0	5315 27.05.2013	5315	15:29:47	5315	0

10 **LOAD PATTERN OF DELHI ON THE DAY OF PEAK DEMAND MET DURING MAY 2013 ON 27.05.2013- 5315MW at 15.29.47HRS.**

All figures in MW

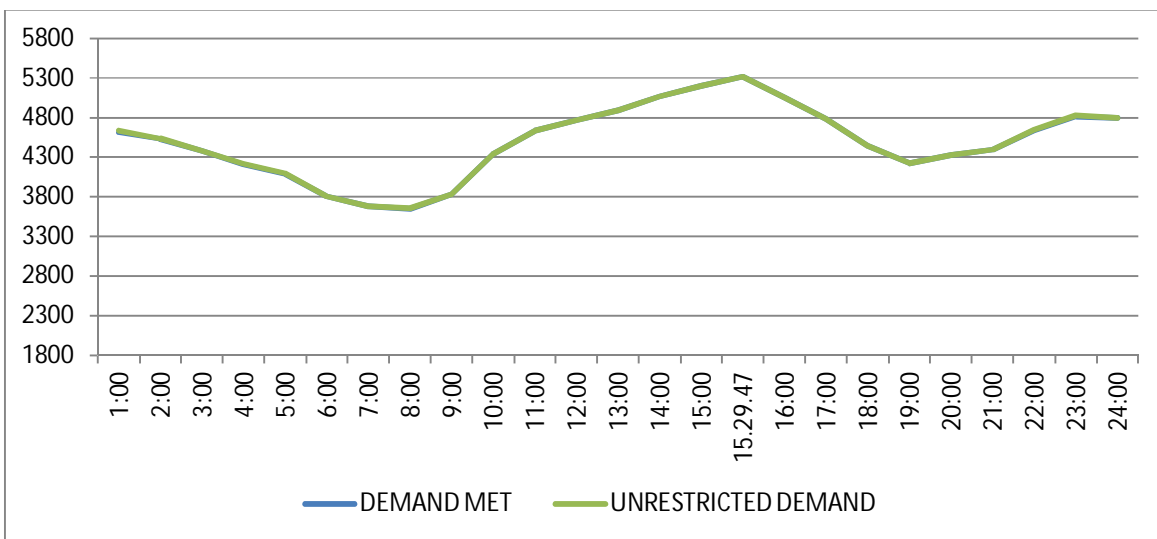
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1:00	4616	23	4639
2:00	4534	4	4538
3:00	4379	6	4385
4:00	4212	3	4215
5:00	4093	2	4095
6:00	3806	0	3806
7:00	3685	0	3685
8:00	3653	2	3655
9:00	3829	0	3829
10:00	4342	0	4342
11:00	4631	0	4631
12:00	4767	0	4767
13:00	4897	0	4897
14:00	5068	0	5068
15:00	5198	0	5198
15.29.47	5315	0	5315
16:00	5053	0	5053
17:00	4784	0	4784
18:00	4442	0	4442
19:00	4227	0	4227
20:00	4327	0	4327
21:00	4397	0	4397
22:00	4645	7	4652
23:00	4813	15	4828
24:00	4796	0	4796
TOTAL	98.436	0.099	98.535



11 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UN-RESTRICTED DEMAND DURING MAY 2013 ON 27.05.2013- 5315MW at 15.29.47HRS.

All figures in MW

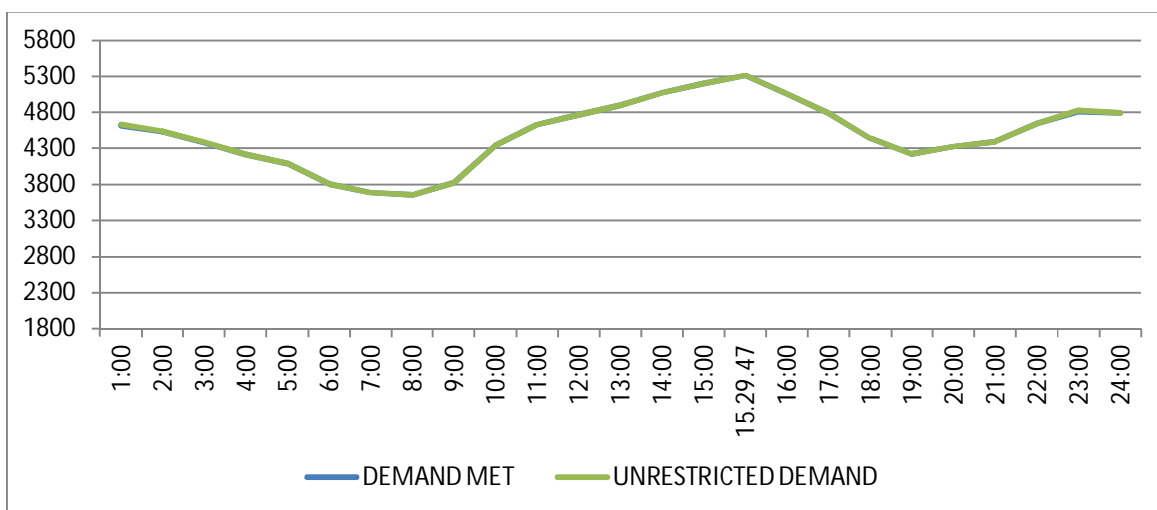
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1:00	4616	23	4639
2:00	4534	4	4538
3:00	4379	6	4385
4:00	4212	3	4215
5:00	4093	2	4095
6:00	3806	0	3806
7:00	3685	0	3685
8:00	3653	2	3655
9:00	3829	0	3829
10:00	4342	0	4342
11:00	4631	0	4631
12:00	4767	0	4767
13:00	4897	0	4897
14:00	5068	0	5068
15:00	5198	0	5198
15.29.47	5315	0	5315
16:00	5053	0	5053
17:00	4784	0	4784
18:00	4442	0	4442
19:00	4227	0	4227
20:00	4327	0	4327
21:00	4397	0	4397
22:00	4645	7	4652
23:00	4813	15	4828
24:00	4796	0	4796
TOTAL	98.436	0.099	98.535



12 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM ENERGY CONSUMED DURING MAY 2013 – 27.05.2013 – 98.436 Mus

All figures in MW

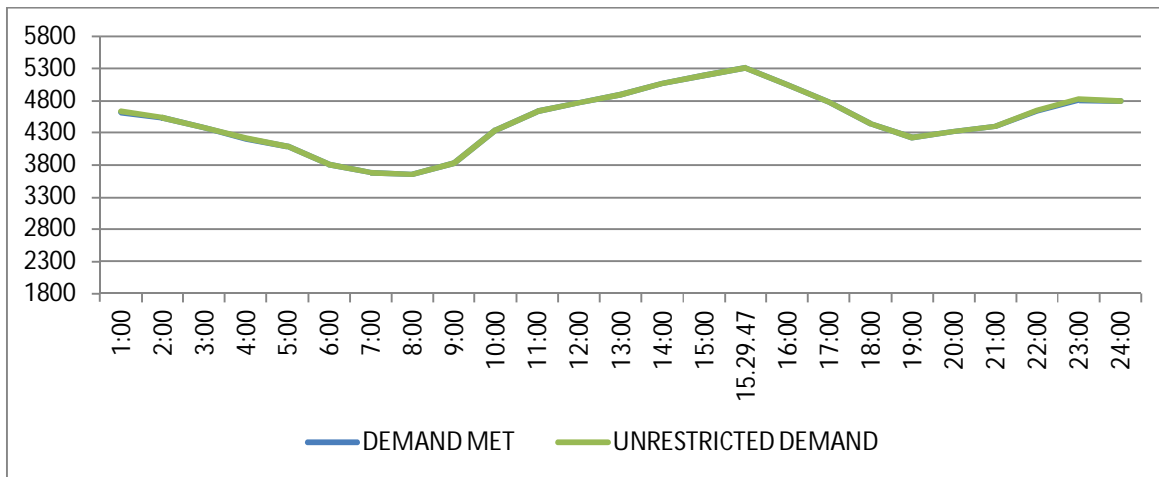
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1:00	4616	23	4639
2:00	4534	4	4538
3:00	4379	6	4385
4:00	4212	3	4215
5:00	4093	2	4095
6:00	3806	0	3806
7:00	3685	0	3685
8:00	3653	2	3655
9:00	3829	0	3829
10:00	4342	0	4342
11:00	4631	0	4631
12:00	4767	0	4767
13:00	4897	0	4897
14:00	5068	0	5068
15:00	5198	0	5198
15.29.47	5315	0	5315
16:00	5053	0	5053
17:00	4784	0	4784
18:00	4442	0	4442
19:00	4227	0	4227
20:00	4327	0	4327
21:00	4397	0	4397
22:00	4645	7	4652
23:00	4813	15	4828
24:00	4796	0	4796
TOTAL	98.436	0.099	98.535



13 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UNRESTRICTED ENERGY DEMAND DURING MAY 2013 – 27.05.2013 – 98.535 Mus

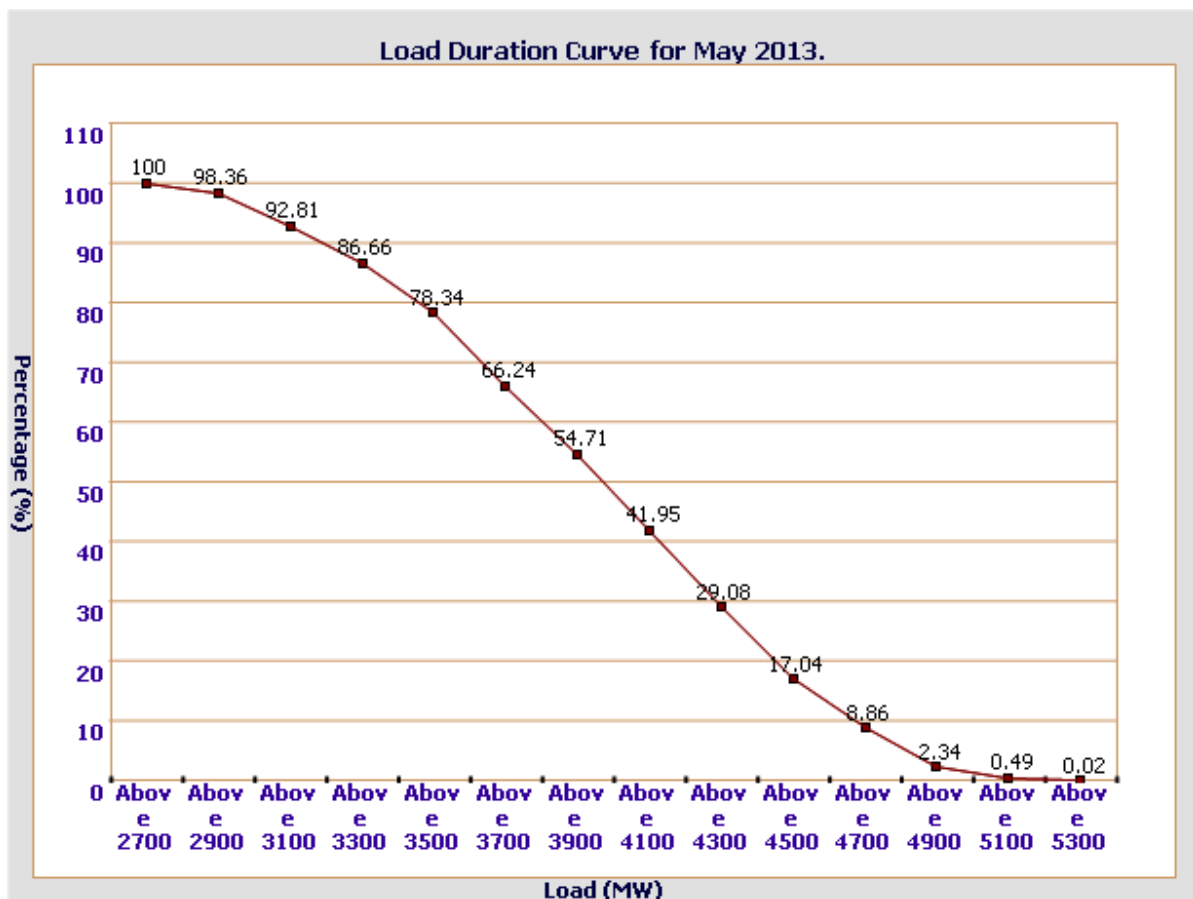
All figures in MW

Hrs.	Demand	Load Shedding	Un-Restricted Demand
1:00	4616	23	4639
2:00	4534	4	4538
3:00	4379	6	4385
4:00	4212	3	4215
5:00	4093	2	4095
6:00	3806	0	3806
7:00	3685	0	3685
8:00	3653	2	3655
9:00	3829	0	3829
10:00	4342	0	4342
11:00	4631	0	4631
12:00	4767	0	4767
13:00	4897	0	4897
14:00	5068	0	5068
15:00	5198	0	5198
15.29.47	5315	0	5315
16:00	5053	0	5053
17:00	4784	0	4784
18:00	4442	0	4442
19:00	4227	0	4227
20:00	4327	0	4327
21:00	4397	0	4397
22:00	4645	7	4652
23:00	4813	15	4828
24:00	4796	0	4796
TOTAL	98.436	0.099	98.535



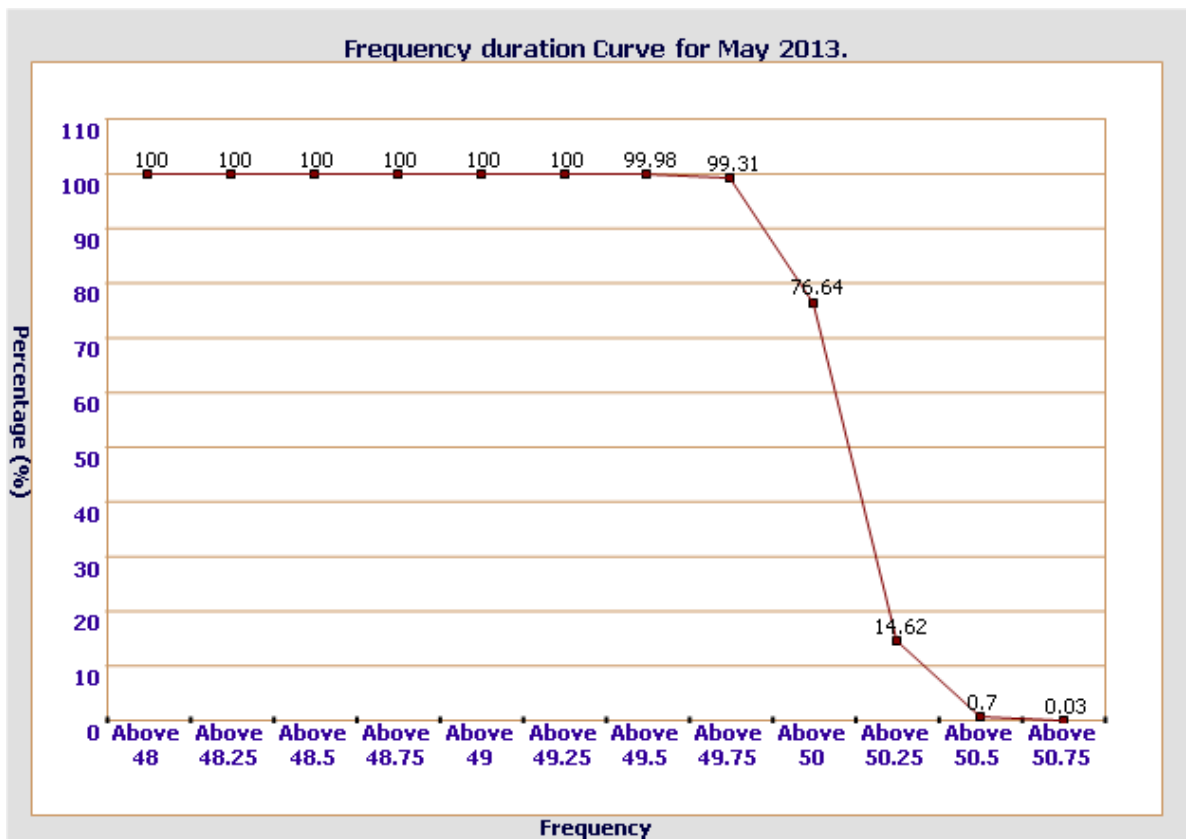
14 LOAD DURATION CURVE FOR MAY 2013

Load in MW	Percentage of Time
Above 2700	100 %
Above 2900	98.36 %
Above 3100	92.81 %
Above 3300	86.66 %
Above 3500	78.34 %
Above 3700	66.24 %
Above 3900	54.71 %
Above 4100	41.95 %
Above 4300	29.08 %
Above 4500	17.04 %
Above 4700	8.86 %
Above 4900	2.34 %
Above 5100	0.49 %
Above 5300	0.02 %



FREQUENCY ANALYSIS FOR THE MONTH OF MAY 2013

Frequency Range in Hz.	Percentage of time
Above 49.25	100 %
Above 49.5	99.98 %
Above 49.75	99.31 %
Above 50	76.64 %
Above 50.25	14.62 %
Above 50.5	0.7 %
Above 50.75	0.03 %



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

All figures in kV

Date	NARELA		GAZIPUR	
	Max	Min	Max	Min
1-May-13	220.92	211.51	218.47	204.80
2-May-13	220.80	208.54	216.28	204.67
3-May-13	220.92	210.48	217.57	204.16
4-May-13	222.21	209.45	218.22	206.22
5-May-13	223.12	210.22	219.12	207.25
6-May-13	221.70	206.61	219.25	204.16
7-May-13	221.44	205.58	217.06	205.58
8-May-13	224.66	212.15	218.86	204.80
9-May-13	223.38	210.61	215.77	203.38
10-May-13	222.42	210.74	215.77	204.93
11-May-13	224.92	215.12	220.54	208.03
12-May-13	224.79	215.25	223.50	--
13-May-13	225.05	212.54	222.34	208.67
14-May-13	225.31	211.12	217.57	206.09
15-May-13	222.99	210.22	217.96	204.42
16-May-13	223.50	210.87	217.18	205.45
17-May-13	--	--	--	--
18-May-13	--	--	--	--
19-May-13	--	--	--	--
20-May-13	220.54	208.16	219.64	--
21-May-13	221.18	207.38	219.76	--
22-May-13	220.28	206.87	217.18	197.97
23-May-13	220.41	209.83	214.09	199.64
24-May-13	222.09	209.32	212.80	196.42
25-May-13	220.15	210.48	214.99	198.23
26-May-13	221.18	210.22	210.48	199.13
27-May-13	220.41	207.64	209.58	192.42
28-May-13	221.57	207.90	210.48	194.10
29-May-13	221.57	208.16	215.25	197.07
30-May-13	222.47	208.29	211.77	197.97
31-May-13	223.12	210.22	217.96	--

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

All figures in kV

Date	400kV Bamnauli Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
1-May-13	412.00	08.040.01	396.99	00.02.53	403.56
2-May-13	410.83	--	395.58	19.36.10	401.32
3-May-13	409.18	04.04.21	392.07	09.37.03	402.35
4-May-13	409.18	04.02.23	396.05	19.41.38	401.99
5-May-13	408.72	02.08.01	396.29	23.49.01	403.22
6-May-13	408.95	04.02.37	389.25	11.28.21	399.43
7-May-13	408.72	04.33.55	387.85	10.07.35	400.52
8-May-13	412.23	06.03.08	393.94	11.07.27	402.18
9-May-13	414.34	04.03.27	391.36	15.13.01	401.25
10-May-13	410.36	04.02.45	394.65	10.26.02	402.94
11-May-13	414.34	18.04.51	400.51	15.27.22	405.49
12-May-13	413.41	18.17.42	397.23	19.42.26	406.75
13-May-13	413.64	04.02.16	396.29	11.31.41	403.20
14-May-13	413.147	06.06.05	393.47	15.06.34	402.26
15-May-13	411.30	04.09.55	391.13	16.47.08	401.44
16-May-13	412.47	04.32.10	391.60	17.12.14	401.69
17-May-13	--	--	--	--	--
18-May-13	--	--	--	--	--
19-May-13	--	--	--	--	--
20-May-13	407.31	06.05.34	383.39	12.46.31	393.07
21-May-13	408.72	06.02.09	387.61	14.56.18	397.02
22-May-13	406.61	06.05.42	385.27	16.42.19	396.79
23-May-13	403.32	04.12.44	388.78	16.19.39	396.08
24-May-13	408.01	06.06.18	387.85	15.47.52	397.22
25-May-13	405.67	06.02.43	389.96	16.50.19	398.14
26-May-13	408.18	08.03.30	391.13	00.29.15	401.38
27-May-13	408.01	04.01.42	387.38	12.35.47	397.37
28-May-13	408.72	06.03.58	387.61	14.49.51	397.28
29-May-13	410.83	06.03.42	387.85	14.40.21	397.61
30-May-13	410.83	06.12.36	388.08	12.15.57	398.88
31-May-13	412.47	08.02.27	389.02	23.07.10	399.48

All figures in kV

Date	400kV Bawana Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
1-May-13	417.86	17.43.16	401.92	00.03.23	408.77
2-May-13	414.58	--	401.45	17.25.01	407.60
3-May-13	415.52	17.24.40	398.40	09.37.03	407.55
4-May-13	412.47	17.33.51	402.15	19.41.28	406.65
5-May-13	414.34	02.06.51	402.85	23.48.31	408.61
6-May-13	415.52	04.12.47	394.88	11.30.11	405.51
7-May-13	413.87	04.33.55	392.07	10.10.25	405.77
8-May-13	417.86	06.04.48	399.10	11.07.57	407.61
9-May-13	416.69	04.03.17	397.23	11.31.09	406.28
10-May-13	414.81	18.03.07	398.40	11.13.30	407.82
11-May-13	419.03	18.05.01	405.20	15.27.22	410.66
12-May-13	418.33	18.19.52	404.26	19.43.36	412.20
13-May-13	419.74	04.05.16	401.92	11.31.31	409.02
14-May-13	419.27	06.04.35	400.74	16.38.29	408.36
15-May-13	416.69	04.30.05	397.93	16.47.08	407.04
16-May-13	418.10	04.04.48	398.63	10.27.30	407.80
17-May-13	--	--	--	--	--
18-May-13	--	--	--	--	--
19-May-13	--	--	--	--	--
20-May-13	412.00	06.06.04	391.36	12.46.11	40.05
21-May-13	413.14	06.02.09	395.12	15.28.10	403.09
22-May-13	412.00	06.09.42	382.92	16.24.28	402.61
23-May-13	408.72	06.03.11	395.82	16.20.99	402.10
24-May-13	411.53	06.05.49	395.82	15.18.00	402.49
25-May-13	410.36	06.02.53	393.47	14.11.30	403.65
26-May-13	414.58	08.03.10	398.40	00.28.25	407.27
27-May-13	413.64	19.04.50	395.12	12.34.36	404.30
28-May-13	414.81	06.04.08	396.05	14.50.01	404.49
29-May-13	415.75	06.04.12	395.82	14.54.23	404.40
30-May-13	415.75	06.12.36	395.82	12.46.59	405.76
31-May-13	416.86	08.02.27	398.63	14.58.31	406.31

18 DETAILS OF LUMPED CAPACITORS AT NEAREST 220 KV SUBSTATION

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

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

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

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

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

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

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

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

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
1	01.05.13	5:40	OKHLA 220/66kV 100MVA Tx-I	01.05.13	6:17	TX TRIPPED ON BUCHHOLZ RELAY INDICATION. B-PH PT OF 66KV BUS-1 DAMAGED.
2	03.05.13	22:20	PATPARGANJ 220/33kV 100MVA Tx-I	03.05.13	23:05	TX TRIPPED ON 86 AND 33KV I/C-1 TRIPPED ON 86
3	04.05.13	11:54	220KV BAMNAULI-PAPPANKALAN-II CKT-II	04.05.13	12:13	AT BAMNAULI CKT TRIPPED ON D/P, A, B-PH, 186 A&B. NO TRIPPING AT PPK-2.
4	04.05.13	12:47	220KV BAMNAULI - DIAL CKT-II	04.05.13	18:06	AT BAMNAULI CKT TRIPPED ON D/P, C-PH, 186 A&B. AT DIAL CKT TRIPPED ON D/P, Z-1, B-PH.
5	04.05.13	13:30	220KV MEHRAULI - BTPS CKT. - I	04.05.13	18:36	AT MEHRAULI CKT TRIPPED ON D/P, Z-1, C-PH, 186, DIST.-2.71 KM AT BTPS CKT TRIPPED ON D/P, Z-2, B-PH, E/F.
6	05.05.13	7:50	PAPPANKALAN-I 66/11kV, 20MVA Tx-I	05.05.13	13:08	REF PROT. OPERATED ON. TX
7	05.05.13	9:20	220KV BAWANA-DSIIDC BAWANA CKT NO.-I	05.05.13	13:15	AT NRL CKT TRIPPED ON O/C, R-PH, A, B&C-PH. NO TRIPPING AT DSIDC BWN GRID.
8	05.05.13	22:57	220KV MAHARANIBAGH-MASJID MOTH CKT-II	05.05.13	23:17	AT M BAGH CKT TRIPPED ON DC-1 FAULT. NO TRIPPING AT M MOTH.
9	06.05.13	4:05	220KV MEHRAULI - VASANT KUNJ CKT. NO. - II	06.05.13	11:14	AT V KUNJ CKT TRIPPED ON 186 AND ITS RELAY COULD NOT BE RESET. AT MEHRAULI CKT TRIPPED ON 186A&B. LATER AT MEHRAULI S/D AVAILED ON CKT FOR TAN-DELTA TEST OF CT & CVT.
10	06.05.13	4:06	MEHRAULI 220/66kV 100MVA Tx-III	06.05.13	4:59	TX TRIPPED WITHOUT INDICATION.
11	06.05.13	4:06	220KV MEHRAULI - VASANT KUNJ CKT. NO.-I	06.05.13	4:52	AT MEHRAULI CKT TRIPPED ON 186A&B. NO TRIPPING AT VASANT KUNJ.
12	06.05.13	4:06	220KV MEHRAULI - BTPS CKT. - II	07.05.13	7:54	AT BTPS CKT TRIPPED ON D/P, Z-2, R, Y&B-PH. AT MEHRAULI CKT TRIPPED ON D/P, Z-1, B-N, 186, DIST-3.5KM. Y-PH CT DAMAGED AT MEHRAULI.
13	06.05.13	4:06	220KV DIAL- MEHRAULI CKT-I	06.05.13	4:50	AT MEHRAULI CKT TRIPPED ON 186. AT DIAL CKT TRIPPED ON REL FUSE FAIL, RYB MAIN-2 PROTECTION TRIP
14	06.05.13	4:06	220KV MEHRAULI - BTPS CKT. - I	06.05.13	4:50	AT MEHRAULI CKT TRIPPED ON 186. NO TRIPPING AT BTPS.
15	06.05.13	4:06	220KV DIAL- MEHRAULI CKT-II	06.05.13	4:50	AT DIAL CKT TRIPPED ON RYB-PH MAIN-2 PROTECTION TRIP NO TRIPPING AT MEHRAULI.
16	07.05.13	11:37	220KV KANJHAWALA-NAJAFGARH CKT	07.05.13	11:48	CKT TRIPPED ON D/P, Z-1, ABC-PH, 186. AT KANJHAWALA CKT DIDNOT TRIP.
17	07.05.13	16:55	220KV MEHRAULI - BTPS CKT. - I	07.05.13	17:33	AT MEHRAULI CKT TRIPPED ON D/P, Z-1, 186, DIST-8.29KM. AT BTPS CKT TRIPPED ON B-PH, E/F
18	07.05.13	22:40	KANJHAWALA 66/11kV, 20MVA Tx-I	08.05.13	16:13	TX TRIPPED ON 86, 87A, 87C, 64RLV. Y-PH CT OF 11KV I/C BURNT.
19	08.05.13	10:55	220KV DIAL- MEHRAULI CKT-I	08.05.13	12:42	EM S/D AT MEHRAULI TO ATTEND HOT POINT AT Y-PH CT CLAMP CB SIDE.
20	11.05.13	18:30	220KV MAHARANIBAGH-MASJID MOTH CKT-II	11.05.13	19:10	AT M BAGH CKT TRIPPED ON MAIN-1, RYB-PH TRIPPED, TC-1 Y-PH FAULTY. NO TRIPPING AT M MOTH.
21	12.05.13	6:03	NARELA 220/66kV 100MVA Tx-I	12.05.13	6:17	TX TRIPPED ON 86.
22	12.05.13	17:33	400KV Ballabgarh-Bamnauli Ckt-II	12.05.13	18:01	AT BAMNAULI CKT TRIPPED ON D/P, C-PH, Z-1, 186A&B
23	12.05.13	18:18	220KV MEHRAULI - BTPS CKT. - I	12.05.13	22:50	SUPPLY FAILED FROM BTPS DUE TO ISLANDING OF STATION. NO TRIPPING AT MEHRAULI.
24	12.05.13	18:18	220KV MEHRAULI - BTPS CKT. - II	12.05.13	22:50	SUPPLY FAILED FROM BTPS DUE TO ISLANDING OF STATION. NO TRIPPING AT MEHRAULI.
25	12.05.13	18:18	220KV OKHLA - BTPS CKT. - II	12.05.13	21:00	AT BTPS CKT TRIPPED ON RELAY 21(D/P). NO TRIPPING AT OKHLA.
26	12.05.13	18:18	220KV OKHLA - BTPS CKT. - I	12.05.13	19:35	SUPPLY FAILED FROM BTPS DUE TO ISLANDING OF STATION. NO TRIPPING AT OKHLA.
27	13.05.13	7:37	PATPARGANJ 220/66kV 100MVA Tx-II	13.05.13	17:50	TX TRIPPED ON 86. BUS BAR PROTECTION OPERATED AT PPG.
28	13.05.13	13:01	PRAGATI 220/66kV 160MVA Tx-I	13.05.13	16:48	TX TRIPPED ON OLTC BUCHHOLZ RELAY, SPRV, 86, 30D
29	13.05.13	13:01	PRAGATI 220/66kV 160MVA Tx-II	13.05.13	20:40	TX TRIPPED ON PRV RELAY, OLTC BUCHHOLZ, 30E, 30D
30	13.05.13	17:37	PATPARGANJ 220/66kV 100MVA Tx-I	13.05.13	17:50	TX TRIPPED ON 86. BUS BAR PROTECTION OPERATED AT PPG.
31	13.05.13	17:37	220KV GEETA COLONY-PATPARGANJ CKT - II	13.05.13	17:50	AT PPG CKT TRIPPED ON 186. NO TRIPPING AT GEETA COLONY. BUS BAR PROTECTION OPERATED AT PPG.
32	13.05.13	17:37	220 KV PATPARGANJ - I.P. CKT-II	13.05.13	17:50	AT PPG CKT TRIPPED ON 186. NO TRIPPING AT GEETA COLONY. BUS BAR PROTECTION OPERATED AT PPG.
33	15.05.13	23:07	220KV DIAL- MEHRAULI CKT-II	16.05.13	10:00	AT DIAL CKT TRIPPED ON REC, RED(LINE DIFFERENTIAL), REL(D/P). AT MEHRAULI CKT TRIPPED ON D/P, Z-1, 186, DIST-1.7KM.
34	15.05.13	23:07	220KV DIAL- MEHRAULI CKT-I	16.05.13	0:29	AT DIAL CKT TRIPPED ON REC, RED(LINE DIFFERENTIAL), REL(D/P). AT MEHRAULI CKT DIDNOT TRIPPED.

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
35	16.05.13	1:52	220 KV TRAUMA CENTER-RIDGE VALLEY CKT-2	16.05.13	2:11	AT RIDGE VALLEY CKT TRIPPED ON REL670,GEN TRIP 86 A&B, DEF RELAY OPERATED. NO TRIPPING AT TRAUMA CENTRE.
36	17.05.13	8:25	SUBZI MANDI 33/11kV, 16MVA Tx-I	17.05.13	10:40	TX. TRIPPED ON 87
37	17.05.13	9:33	SUBZI MANDI 33/11kV, 16MVA Tx-II	17.05.13	9:35	TX. TRIPPED ON O/C
38	18.05.13	16:44	220kV BAMNAULI-PAPPANKALAN-I CKT-I	18.05.13	18:15	AT BAMNAULI CKT TRIPPED ON DIST. PROT. ZONE-2, 186A&B, C-PHASE. NO TRIPPING AT PPK-I
39	18.05.13	20:59	NAJAFGARH 220/66kV 100MVA Tx-I	19.05.13	23:57	TX. TRIPPED ON 87, 186A&B. 220KV B-PHASE CT CAUGHT FIRE AND DAMAGED
40	19.05.13	13:44	220KV BAWANA -NAJAFGARH CKT	19.05.13	18:30	AT BAWANA CKT TRIPPED ON C-PHASE, 64, ZONE-I, DIST. PROT. NO TRIPPING AT NAJAFGARH
41	20.05.13	17:54	GOPALPUR 220/33kV 100MVA Tx-III	20.05.13	18:10	I/C OF TX TRIPPED ON O/C, B-PHASE
42	20.05.13	22:08	ROHINI 220/66kV 100MVA Tx-I	20.05.13	22:44	I/C OF TX. TRIPPED ON O/C
43	20.05.13	22:08	ROHINI 220/66kV 100MVA Tx-II	20.05.13	22:44	TX. TRIPPED ON REF
44	20.05.13	22:08	ROHINI 66/11kV, 20MVA Tx-II	21.05.13	19:49	TX. TRIPPED ON E/F, 86. B-PHASE CT OF 66KV SIDE BLASTED AND CAUGHT FIRE
45	20.05.13	23:44	OKHLA 220/66kV 100MVA Tx-II	21.05.13	0:34	TX TRIPPED ON 86. 51CX
46	20.05.13	23:44	OKHLA 220/66kV 100MVA Tx-I	21.05.13	0:32	TX TRIPPED ON 86, 51CX
47	21.05.13	15:15	220kV DIAL- MEHRAULI CKT-II	21.05.13	15:40	AT DIAL CKT TRIPPED ON REC GET RBFR B-PHASE MAIN-II R&Y PHASE. NO TRIPPING AT MEHRAULI
48	21.05.13	15:17	220kV OKHLA - BTPS CKT. - II	21.05.13	15:45	AT BTPS CKT TRIPPED ON Y&B PHASE E/F, ZONE-I. NO TRIPPING AT OKHLA
49	21.05.13	19:32	220kV BAMNAULI-PAPPANKALAN-II CKT-I	21.05.13	19:50	AT BAMNAULI CKT TRIPPED ON DIST. PROT. C-PHASE, 186A&B. C-PHASE CT OF 66KV BUS COUPLER BLASTED AT PAPPANKALAN END
50	21.05.13	19:32	220kV BAMNAULI-PAPPANKALAN-II CKT-II	21.05.13	19:45	AT BAMNAULI CKT TRIPPED ON DIST. PROT. C-PHASE, 186A&B. C-PHASE CT OF 66KV BUS COUPLER BLASTED AT PAPPANKALAN-II END
51	21.05.13	20:14	220kV BAMNAULI-PAPPANKALAN-II CKT-II	21.05.13	20:28	AT BAMNAULI CKT TRIPPED ON O/C, 186. NO TRIPPING AT PPK-II
52	21.05.13	23:55	220kV DIAL- MEHRAULI CKT-II	22.05.13	0:20	AT DIAL CKT TRIPPED ON O/C, GENERAL TRIP, 3-PHASE MAIN-I. NO TRIPPING AT MEHRAULI END
53	23.05.13	16:35	PAPPANKALAN-II 220/66kV 100MVA PR. Tx-II	23.05.13	16:42	TX TRIPPED ON O/C, 86
54	23.05.13	17:20	PAPPANKALAN-I 66/11kV, 20MVA PR. Tx-III	23.05.13	17:28	TX. TRIPPED ON O/C
55	23.05.13	23:44	PAPPANKALAN-I 66/11kV, 20MVA PR. Tx-III	23.05.13	23:52	TX TRIPPED ON 87R
56	24.05.13	13:42	INDRAPRASTHA POWER 220/33kV 100MVA Tx-I	24.05.13	14:05	I/C OF TX TRIPPED ON WITHOUT INDICATION
57	24.05.13	13:42	220kV GEETA COLONY-PATPARGANJ CKT-I	24.05.13	14:05	AT GEETA COLONY CKT TRIPPED ON DIST. PROT. ZONE-I, 3-PHASE TRIP. AT PATPARGANJ CKT TRIPPED ON 186, DIST. PROT. ZONE-2
58	24.05.13	18:39	BAMNAULI 400/220kV 315MVA ICT-I	25.05.13	16:30	ICT TRIPPED ON BUCHOLZ, 186A&B
59	25.05.13	19:20	PAPPANKALAN-II 220/66kV 100MVA PR. Tx-I	25.05.13	19:35	TX. TRIPPED ON LBB , 186 ALONG WITH 66KV I/C DUE TO BLASTING OF B-PHASE CT OF 66/11KV 20MVA TX BEING MAINTAINED BY BRPL
60	26.05.13	3:10	OKHLA 220/66kV 100MVA Tx-II	26.05.13	14:40	66KV I/C OF TX TRIPPED WITHOUT INDICATION
61	27.05.13	16:10	OKHLA 220/66kV 100MVA Tx-II	27.05.13	17:28	TX TRIPPED ON 87
62	28.05.13	14:15	MUNDKA 220/66kV 160MVA Tx-II	28.05.13	14:55	TX TRIPPED ON BUS BAR PROT.
63	28.05.13	22:35	GAZIPUR 220/66kV 100MVA Tx-II	28.05.13	22:58	TXTRIPPED ON TRIP SUPERVISION RELAY & 14
64	28.05.13	22:35	GAZIPUR 220/66kV 100MVA Tx-I	28.05.13	23:38	TXTRIPPED ON TRIP SUPERVISION RELAY,14
65	29.05.13	0:35	GAZIPUR 220/66kV 100MVA Tx-I	29.05.13	0:58	TX TRIPPED ON TRIP SUPERVISION RELAY
66	29.05.13	3:35	GAZIPUR 220/66kV 100MVA Tx-II	29.05.13	0:58	TX TRIPPED ON AUX RELAY
67	29.05.13	4:45	GAZIPUR 220/66kV 100MVA Tx-II	29.05.13	4:55	I/C OF TX TRIPPED ON O/C, B-PHASE,86
68	29.05.13	4:45	GAZIPUR 220/66kV 100MVA Tx-I	29.05.13	4:55	TXTRIPPED ON TRIP CKT SUPV RELAY
69	29.05.13	5:55	NARAINA 33/11kV, 16MVA Tx-I	29.05.13	20:55	TXTRIPPED ON 87
70	29.05.13	10:10	GAZIPUR 220/66kV 100MVA Tx-I	29.05.13	10:15	TX TRIPPED WITHOUT INDICATION
71	29.05.13	11:44	GAZIPUR 220/66kV 100MVA Tx-I	29.05.13	11:53	TX TRIPPED ON TRIP SUPERVISION RELAY
72	29.05.13	12:22	GAZIPUR 220/66kV 100MVA Tx-I	29.05.13	12:29	TX TRIPPED ON TRIP SUPV RELAY
73	30.05.13	5:45	MEHRAULI 66/11kV, 20MVA Tx-I	30.05.13	6:12	TX TRIPPED ON 86 ALONG WITH 11KV FEEDER ANDHAREA BAGH-2 CKT.
74	30.05.13	18:15	OKHLA 220/66kV 100MVA Tx-II	30.05.13	14:58	TX TRIPPED ON DIFFERENTIAL PROTECTION ON Y&B-PH HV,REF,64,186,195

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
75	31.05.13	13:33	RIDGE VALLEY 220/66kV 160MVA Tx-I	31.05.13	14:24	TX TRIPPED ON REC CB TROUBLE ALARM, REL 620 GEN TRIP,86 A&B,REX 581
76	31.05.13	6:12	220kV MAHARANIBAGH-MASJID MOTH CKT-II	31.05.13	6:50	AT M MOTH CKT TRIPPED ON 195,295,RYB-PH DIFFERENTIAL RELAY OPERATED,86 ABC-PH,230AB. AT M BAGH CKT TRIPPED CKT TRIPPED ON86 A&B.
77	31.05.13	13:33	220kV MAHARANIBAGH-TRAUMA CENTER CKT-I	Still out		AT M BAGH CKT TRIPPED ON GEN TRIP RYB-PH,D/P,Z-1, DIST-6.35KM, NO TRIPPING AT TRAUMA CENTRE. CABLE FAULTY IN HDD DRILLING OF DELHI JAL BOARD.
78	31.05.13	13:38	220kV MAHARANIBAGH -TRAUMA CENTER CKT-II	Still out		AT M BAGH CKT TRIPPED ON GEN TRIP RYB-PH,D/P,Z-1, DIST-4.81KM, NO TRIPPING AT TRAUMA CENTRE. CABLE FAULTY IN HDD DRILLING OF DELHI JAL BOARD.

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

DATE	S. N.	TIME		Name of Grid	NAME OF AFFECTED FEEDERS	LOAD RELIEF IN MW
		OUT	IN			
11.05.13	1	07.49	07.59	WAZIRABAD	SHASTRI PARK (E), GHONDA	78
13.05.13	2	16.32	16.40	OKHLA	BALAJI	27
25.05.13	3	11.12	11.40	NAJAFGARH	11kV LOAD	17
30.05.13	4	12.15	12.40	WAZIRABAD	11kV LOAD	4
31.05.13	5	13.17	13.24	WAZIRABAD	11kV LOAD	4
31.05.13	6	14.18	14.21	WAZIRABAD	11kV LOAD	3
31.05.13	7	15.20	15.23	WAZIRABAD	11kV LOAD	4
31.05.13	8	19.42	19.46	NARAINA	11kV LOAD	3