

# **DELHI TRANSCO LTD.**

STATE LOAD DISPATCH CENTER

## **PROGRESS REPORT**

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APRIL 2014

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**SALIENT FEATURES OF DELHI POWER SYSTEM**

<b>Sr. No.</b>	<b>Features</b>	<b>APRIL 2013</b>	<b>APRIL 2014</b>
<b>1</b>	<b>Effective Generation Capacity within Delhi in MW</b>		
	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	1372
	TOWMCL	16	16
	<b>Total</b>	<b>2249</b>	<b>2936</b>
<b>2</b>	<b>Maximum Unrestricted Demand (MW)</b>	<b>4190</b>	<b>4469</b>
	Date	30.04.2013	30.04.2014
	Time	15.36.53	15.30.00
<b>3</b>	<b>Peak Demand met (MW)</b>	<b>4190</b>	<b>4418</b>
	Date	30.04.2013	30.04.2014
	Time	15.36.53	16.32.00
4	Peak Availability (MW)	4311	4177
5	Shortage (-) / Surplus (+) in MW	(+) 121	(-)241
6	Percentage Shortage (-) / Surplus (+)	(-) 2.89	(-)5.45
7	Maximum Energy Consume in a day (Mus)	81.251	90.566
8	Energy Consumed during the month	<b>2075.841</b>	<b>2121.946</b>
<b>9</b>	<b>Load Shedding in Mus</b>		
A)	Due to Grid Restrictions		
i)	Under Frequency Relay Operations	0.000	0.000
ii)	Manual Load shedding from DTL S/Stns.	0.000	0.000
iii)	Load Shedding due to low frequency / Low Voltage / TTC/ATC Violation		
	NDPL	2.112	1.219
	BRPL	2.072	2.837
	BYPL	1.845	3.021
	NDMC	0.104	0.002
	MES	0.000	0.000
iv)	Due to transmission Constraints in Central Sector	0.000	0.000
	<b>Total due to Grid Restriction</b>	<b>6.133</b>	<b>7.079</b>
B)	Due to Constraints in System in Mus		
	DTL	0.451	0.563
	NDPL	0.066	0.625
	BRPL	0.184	0.255
	BYPL	0.326	0.376
	NDMC	0.000	0.000
	MES	0.000	0.000
	Other Agencies	0.000	0.064
	<b>Total</b>	<b>1.027</b>	<b>1.883</b>
<b>11</b>	<b>Grand Total in Mus</b>	<b>7.160</b>	<b>8.962</b>

2. PERFORMANCE OF GENERATING STATIONS WITHIN DELHI DURING APRIL 2014

A) For the month of April 2014

All Figures in MUs

S. No	Stations	Gross Generation	Aux. Consumption	Net Generation	Availability (%)	Backing Down
1.	RPH	37.408	5.190	32.218	82.09	38.850
2.	GT	76.809	2.302	74.507	60.40	39.852
3.	PPCL	111.183	2.525	108.658	50.64	7.779
4.	BTPS	269.599	31.32	238.279	79.59	125.493
5.	Rithala	0.000	0.050	-0.050	<b>89.17</b>	59.04
6.	Bawana	4.499	1.181	2.618	99.84	953.882
7.	Towmcl	13.206	1.733	11.473	--	0
	<b>TOTAL</b>	<b>512.704</b>	<b>44.301</b>	<b>467.703</b>	<b>--</b>	<b>1224.896</b>

B) For the Year 2013-14 (Upto April 2014)

Power Station	Effective Capacity (MW)	Net Generation in MUs for Apr 2014	Availability (%) for Apr 2014	PLF (%) for Apr 2014	Cumulative Generation in MUs upto Apr 2014 for the year 2014-15	Cumulative Availability in % upto Apr 2014 for the year 2014-15	Cumulative PLF in % upto Apr 2014 for the year 2014-15
RPH	135	32.218	82.09	37.04	32.218	82.09	37.04
GT	270	74.507	60.40	39.27	74.507	60.40	39.27
PPCL	330	108.658	50.64	47.27	108.658	50.64	47.27
BTPS	705	238.279	79.59	52.27	238.279	79.59	52.27
Rithala	108	-0.050	<b>89.17</b>	0.00	-0.050	<b>89.17</b>	0.00
Bawana	1372	2.618	99.84	0.29	2.618	99.84	0.29
Towmcl	16	11.473	--	114.64	11.473	--	114.64
<b>TOTAL</b>	<b>2936</b>	<b>467.703</b>	<b>--</b>	<b>--</b>	<b>467.703</b>	<b>--</b>	<b>--</b>

**3 DETAILS OF OUTAGES OF GENERATING STNS. WITHIN DELHI W.E.F. APRIL 2014**  
**(A) RPH STATION**

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	67.5	04.11.13	12.00	16.04.14	10.50	Stopped due to low demand and high frequency

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
2	67.5	15.03.14	18.00	16.04.14	04.40	Stopped due to low demand and high frequency
		27.04.14	19.30	Contd.		Desynchronized on ETD due to fire hazard at boiler corder no. 4

**(B) Gas Turbine**

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	30	27.03.14	13.10	15.04.14	18.28	Stopped due to low demand and high frequency
		15.04.14	18.38	15.04.14	19.45	Machine tripped due to grid disturbance
		14.06.14	02.02	16.04.14	08.01	Stopped due to low demand and high frequency
		16.04.14	18.15	23.04.14	19.45	Stopped due to low demand and high frequency

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
2	30	01.02.14	17.00	30.04.14	23.59	Machine stopped due to high viberation

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
3	30	27.03.14	16.38	15.04.14	17.50	Stopped due to low demand and high frequency
		15.04.14	18.38	15.04.14	19.05	Machine tripped due to grid disturbance
		18.04.14	17.47	18.04.14	18.55	Tripped on electrical trouble normal shutdown

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
4	30	27.03.14	18.30	30.04.14	23.59	Machine is under shutdown for HGPI

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
5	30	12.04.14	09.50	12.04.14	10.41	Machine tripped due to grid disturbance
		15.04.14	18.38	15.04.14	18.48	

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
6	30	12.04.14	09.50	12.04.14	09.55	Machine tripped due to grid disturbance
		15.04.14	18.38	15.04.14	18.50	

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG-1	30	27.03.14	13.20	15.04.14	23.36	Stopped due to low demand and high frequency
		15.04.14	23.39	16.04.14	00.38	Gen. class A trip
		16.04.14	00.52	16.04.14	12.20	
		16.04.14	16.20	16.04.14	22.00	Turbine shaft virbraiton very high
		16.04.14	22.00	23.04.14	22.54	Stopped due to low demand and high frequency
		24.04.14	02.30	24.04.14	04.02	Turbine shaft virbration very high at bearing no 3
		24.04.14	05.30	24.04.14	11.35	
		26.04.14	14.40	26.04.14	15.22	

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG-2	30	27.03.14	16.45	16.04.14	01.50	Stopped due to low demand and high frequency
		18.04.14	17.47	18.04.14	20.40	Machine tripped due to tripping of G.T.

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG-3	30	12.04.14	09.50	12.04.14	11.34	Machine tripped due to grid disturbance
		15.04.14	18.38	15.04.14	21.15	

(C) PRAGATI

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	104	24.04.14	17.21	24.04.14	21.14	Tripped On internal fault
		24.04.14	21.35	24.04.14	23.26	Tripped on internal fault
		28.04.14	00.00	28.04.14	10.00	Stopped due to less demand and high frequency
		28.04.14	10.00	30.04.14	24.00	Stopped for MI

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
2	104	08.04.14	08.58	27.04.14	22.31	Stopped for CI

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG	122	11.04.14	11.04	11.04.14	11.57	STG tripped on internal fault
		16.04.14	00.00	30.04.14	24.00	STG stopped for bearing inspection and condenser chemical cleaning.

(D) BADARPUR THERMAL POWER STATION

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	95		NIL			

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
2	95	25.04.14	12.17	30.04.14	21.27	Stopped due to low demand and high frequency

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
3	95	11.03.14	21.15	30.04.14	23.59	Stopped due to low demand and high frequency

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
4	210	05.03.14	02.11	21.04.14	15.16	Planned shutdown
		30.04.14	14.18	30.04.14	23.59	Economizer Tube leakage

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
5	210	23.04.14	00.02	25.04.14	05.05	APH outlet Baffles found broken

(E) **BAWANA CCGT POWER STATION**

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	216	25.09.13	12.05	30.04.14	23:59	Stopped due to low demand and high frequency

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
2	216	11.10.13	10.40	29.04.14	16.10	Stopped due to low demand and high frequency
		29.04.14	16.37	29.04.14	17.52	Closure of gas valve

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
3	216	28.10.13	00.00	30.04.14	23:59	Commissioned on 28.10.13 and Stopped due to low demand and high frequency

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
4	216	27.02.14	00.00	30.04.14	23:59	Commissioned on 27.02.14 and Stopped due to low demand and high frequency

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG-1	254	11.10.13	10.50	30.04.14	23:59	Stopped due to low demand and high frequency

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG-2	254	27.03.14	00.00	30.04.14	23:59	Commissioned on 27.03.14 and Stopped due to low demand and high frequency

(F) **RITHALA POWER STATION**

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	31.8	19.03.13	17:32	30.04.14	23:59	Stopped due to low demand and high frequency

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
2	31.8	07.06.13	22:41	30.04.14	23:59	Stopped due to low demand and high frequency

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG	31.8	07.06.13	22:38	30.04.14	23:59	Stopped due to low demand and high frequency

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. 27.03.2013****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-allocation Quota at Delhi periphery	Total allocation at Delhi periphery
1	2	3	4	5	6	7	(8)=(5)+(7)
<b><u>NTPC STATIONS</u></b>							
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	1000	150	132	115	0	0	115
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
<b>TOTAL</b>	<b>9782</b>	<b>1302</b>	<b>2306</b>	<b>2016</b>	<b>0</b>	<b>0</b>	<b>2016</b>
<b><u>NHPC</u></b>							
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-I HEP	480	0	53	50	0	0	50
URI-II HEP	180	0	24	23	0	0	23
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
Parbati-III HEP	390	50	50	47	0	0	47
<b>TOTAL</b>	<b>3875</b>	<b>256</b>	<b>454</b>	<b>431</b>	<b>0</b>	<b>0</b>	<b>431</b>
<b><u>NPC</u></b>							
Narora APS	440	64	47	41	0	0	41
RAPP (C)	440	64	56	49	0	0	49
<b>TOTAL</b>	<b>880</b>	<b>128</b>	<b>103</b>	<b>89</b>	<b>0</b>	<b>0</b>	<b>89</b>
<b><u>SVJNL</u></b>							
Nathpa Jhakri HEP	1500	149	142	135	0	0	135
<b><u>THDC</u></b>							
Tehri Hydro	1000	99	103	98	0	0	98
Koteshwar HEP	400	40	39	37	0	0	37
<b>TOTAL</b>	<b>1400</b>	<b>139</b>	<b>142</b>	<b>135</b>	<b>0</b>	<b>0</b>	<b>135</b>
<b>Total</b>	<b>17437</b>	<b>1974</b>	<b>3147</b>	<b>2807</b>	<b>0</b>	<b>0</b>	<b>2807</b>
<b><u>Allocation from ER and Tala HEP</u></b>							
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
Kahalgaon-II	1500	0	157	131	0	0	131
<b>Total ER</b>	<b>5960</b>	<b>153</b>	<b>261</b>	<b>217</b>	<b>0</b>	<b>0</b>	<b>217</b>
<b><u>Joint Venture</u></b>							
Jhajjar TPS	1500	114	377	338	0	0	338
Ultra Mega Projects							
Sasan	1320	0	149	128	0	0	128
<b>Grand Total</b>	<b>26217</b>	<b>2241</b>	<b>3933</b>	<b>3491</b>	<b>0</b>	<b>0</b>	<b>3491</b>



**5 ALLOCATION OF POWER TO DISCOMS**

**B) 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. 06.08.2013.**

**(Allocation In % )**

**(A) 10.00hrs. to 17.00hrs.**

SOURCES	LICENSEES					
	NDMC	MES	NDPL	BRPL	BYPL	TOTAL
1. Central Sector without Dadri (Th)	0	0	29.18	43.58	27.24	100.00
2. Dadri (Th)	16.63	0	24.22	36.86	22.39	100.00
3. BTPS	17.73	7.09	21.81	33.2	20.17	100.00
4. RPH	0	0	29.025	44.133	26.842	100.00
5. GT	0	0	29.02	44.16	26.82	100.00
6. Pragati	30.3	0	20.22	30.78	18.7	100.00
7. DVC	0	0	29.18	43.58	27.24	100.00
8. BAWANA CCGT*	7.30	1.82	20.688	30.888	19.304	80.00

**(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	0	29.18	43.58	27.24	100.00
2. Dadri (Th)	16.53	0	24.22	36.86	22.39	100.00
3. BTPS	17.73	7.09	21.81	33.2	20.17	100.00
4. RPH	0	0	29.025	44.133	26.842	100.00
5. GT	0	0	29.02	44.16	26.82	100.00
6. Pragati	30.3	0	20.22	30.78	18.7	100.00
7. DVC	0	0	29.18	43.58	27.24	100.00
8. BAWANA CCGT*	7.30	1.82	20.688	30.888	19.304	80.00

\* 20% POWER OF BAWANA CCGT ALLOCATED TO HARYANA (10%) & PUNJAB (10%)

**6 POWER AVAILABILITY-DEMAND POSITION AT THE TIME OF PEAK DEMAND MET DURING APRIL 2014**

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	19.37.56	0	77	264	0	-1	13	299	652	2482	2469	13	3134	66	3200
2	19.29.02	0	78	283	0	-2	16	295	670	2526	2350	176	3196	36	3232
3	19.22.28	0	77	291	0	-2	15	304	685	2626	2561	65	3311	40	3351
4	19.16.13	0	77	285	0	-2	15	309	684	2698	2560	138	3382	0	3382
5	19.28.03	0	76	259	0	-3	15	306	653	2581	2606	-25	3234	46	3280
6	19.47.26	0	76	261	0	-2	17	297	649	2559	2516	43	3208	19	3227
7	19.30.12	0	78	273	0	-3	16	300	664	2764	2765	-1	3428	0	3428
8	19.28.23	0	79	140	0	-1	16	293	527	2713	2789	-76	3240	0	3240
9	19.30.59	0	78	144	0	-3	16	298	533	2814	2837	-23	3347	26	3373
10	20.07.26	0	77	146	0	-1	16	283	521	2257	2226	31	2778	0	2778
11	19.30.00	0	76	142	0	-3	15	306	536	2872	2793	79	3408	0	3408
12	19.04.23	0	76	141	0	-2	15	308	538	2898	2841	57	3436	14	3450
13	19.27.54	0	80	147	0	-3	15	293	532	2589	2678	-89	3121	0	3121
14	19.31.15	0	79	145	0	-3	14	309	544	2910	2806	104	3454	0	3454
15	19.29.41	0	83	142	0	-3	15	296	533	3090	2964	126	3623	0	3623
16	19.20.10	107	117	95	0	-3	15	305	636	2970	2898	72	3606	11	3617
17	10.57.15	105	120	97	0	-3	13	301	633	2893	2821	72	3526	0	3526
18	19.27.53	109	110	99	0	-3	13	305	633	2755	2793	-38	3388	6	3394
19	19.25.19	108	120	99	0	-1	16	293	635	2694	2623	71	3329	0	3329
20	19.44.02	108	118	96	0	-2	16	295	631	2562	2459	103	3193	0	3193
21	19.29.42	109	115	95	0	-3	9	410	735	2834	2852	-18	3569	0	3569
22	19.36.36	107	114	95	0	-1	16	432	763	2891	2847	44	3654	0	3654
23	19.51.34	108	132	96	0	-3	14	332	679	2954	2837	117	3633	64	3697
24	15.12.13	105	142	93	0	-3	17	317	671	3123	2935	188	3794	0	3794
25	16.11.03	102	138	91	0	-3	16	356	700	3175	2979	196	3875	0	3875
26	19.55.31	93	143	100	0	-3	16	348	697	3062	3012	50	3759	0	3759
27	23.32.51	53	146	152	0	-3	17	358	723	2887	2874	13	3610	51	3661
28	15.33.23	54	139	86	0	-3	16	357	649	3441	3337	104	4090	0	4090
29	16.29.25	55	137	85	0	-4	14	437	724	3491	3334	157	4215	20	4235
30	16.32.00	53	136	84	0	216	14	238	741	3677	3436	241	4418	0	4418

**7 POWER AVAILABILITY- DEMAND POSITION AT THE TIME OF MAXIMUM UNRESTRICTED DEMAND DURING APRIL 2014**

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	19.37.56	0	77	264	0	-1	13	299	652	2482	2469	13	3134	66	3200
2	19.29.02	0	78	283	0	-2	16	295	670	2526	2350	176	3196	36	3232
3	19.22.28	0	77	291	0	-2	15	304	685	2626	2561	65	3311	40	3351
4	19.16.13	0	77	285	0	-2	15	309	684	2698	2560	138	3382	0	3382
5	19.28.03	0	76	259	0	-3	15	306	653	2581	2606	-25	3234	46	3280
6	19.47.26	0	76	261	0	-2	17	297	649	2559	2516	43	3208	19	3227
7	19.30.12	0	78	273	0	-3	16	300	664	2764	2765	-1	3428	0	3428
8	19.28.23	0	79	140	0	-1	16	293	527	2713	2789	-76	3240	0	3240
9	19.30.59	0	78	144	0	-3	16	298	533	2814	2837	-23	3347	26	3373
10	20.07.26	0	77	146	0	-1	16	283	521	2257	2226	31	2778	0	2778
11	20.00.00	0	77	143	0	-3	15	289	520	2787	2753	34	3307	120	3427
12	19.04.23	0	76	141	0	-2	15	308	538	2898	2841	57	3436	14	3450
13	19.27.54	0	80	147	0	-3	15	293	532	2589	2678	-89	3121	0	3121
14	19.31.15	0	79	145	0	-3	14	309	544	2910	2806	104	3454	0	3454
15	19.29.41	0	83	142	0	-3	15	296	533	3090	2964	126	3623	0	3623
16	19.20.10	107	117	95	0	-3	15	305	636	2970	2898	72	3606	11	3617
17	10.57.15	105	120	97	0	-3	13	301	633	2893	2821	72	3526	0	3526
18	19.27.53	109	110	99	0	-3	13	305	633	2755	2793	-38	3388	6	3394
19	19.25.19	108	120	99	0	-1	16	293	635	2694	2623	71	3329	0	3329
20	19.44.02	108	118	96	0	-2	16	295	631	2562	2459	103	3193	0	3193
21	19.29.42	109	115	95	0	-3	9	410	735	2834	2852	-18	3569	0	3569
22	19.36.36	107	114	95	0	-1	16	432	763	2891	2847	44	3654	0	3654
23	19.51.34	108	132	96	0	-3	14	332	679	2954	2837	117	3633	64	3697
24	15.12.13	105	142	93	0	-3	17	317	671	3123	2935	188	3794	0	3794
25	16.00.00	104	140	92	0	-3	17	356	706	3145	2979	166	3851	32	3883
26	19.55.31	93	143	100	0	-3	16	348	697	3062	3012	50	3759	0	3759
27	23.00.00	54	145	132	0	-3	18	367	714	2817	2849	-33	3530	139	3669
28	15.33.23	54	139	86	0	-3	16	357	649	3441	3337	104	4090	0	4090
29	16.29.25	55	137	85	0	-4	14	437	724	3491	3334	157	4215	20	4235
30	15.30.00	47	135	83	0	223	14	248	750	3526	3430	96	4277	192	4469

## SOURCEWISE SCHEDULED DRAWL FROM NORTHERN GRID AS WELL AS AVAILABILITY WITHIN DELHI FOR APRIL 2014

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

A (i) RPH	37.408
(ii) GT+STG	76.809
(iii) PRAGATI	111.183
(iv) RITHALA	0.000
(v) BAWANA CCGT	4.499
(vi) Timarpur – Okhla	13.206
TOTAL	243.105
B) AVAILABILITY FROM BTPS	238.120
C) AUXILIARY CONSUMPTION OF GENERATING STNs. EXCLUDING BTPS	13.681
D) NET GENERATION AVAILABLE WITHIN DELHI(A+B-C)	<b>467.544</b>

### 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	9.866	9.586	9.866	9.586
SALAL	36.222	35.191	36.222	35.191
SASAN	104.142	101.180	103.911	100.954
TANKAPUR	0.746	0.724	0.746	0.724
CHAMERA	18.213	17.697	18.213	17.697
CHAMERA -II	14.931	14.505	14.931	14.505
CHAMERA -III	8.307	8.069	8.307	8.069
DHAULIGANGA	0.000	0.000	0.000	0.000
SEWA -2	11.630	11.301	11.630	11.301
URI	37.569	36.505	37.569	36.505
URI-II	18.177	17.660	18.177	17.660
KOTESHWAR	10.318	10.025	10.318	10.025
PARBATI3	3.808	3.699	3.808	3.699
MUNDRU_UMPP	0.000	0.000	0.000	0.000
ANTA (GAS)	20.688	20.102	14.653	14.237
ANTA (RLNG)	5.149	4.997	0.000	0.000
ANTA (LIQUID)	0.000	0.000	0.000	0.000
DADRI (GAS)	30.996	30.137	10.725	10.424
DADRI (RLNG)	31.882	30.961	0.111	0.107
DADRI (LIQUID)	0.000	0.000	0.000	0.000
AURAIYA (GAS)	14.591	14.182	5.771	5.607
AURAIYA (RLNG)	36.021	34.997	0.000	0.000
AURAIYA (LIQUID)	0.047	0.046	0.000	0.000
SINGRAULI	93.681	91.032	93.279	90.641
RIHAND -I	62.891	61.113	60.555	58.844
RIHAND -II	83.755	81.384	81.213	78.915
RIHAND -III	73.983	71.890	72.333	70.286
UNCHAHAAR-I	16.552	16.083	12.278	11.928
UNCHAHAAR-II	27.050	26.290	19.837	19.277
UNCHAHAAR-III	19.227	18.678	14.218	13.810
DADRI (TH)	506.764	492.362	416.117	404.282
DADRI (TH) STAGE-II	277.953	270.018	241.960	235.044
NAPP	20.738	20.152	20.738	20.152
RAPP 'B'	0.000	0.000	0.000	0.000
RAPP 'C'	38.769	37.671	38.769	37.671
NATHPA JHAKRI	29.161	28.329	21.254	20.648
DULASTI	17.161	16.669	17.161	16.669
TEHRI	24.004	23.324	24.004	23.324
JHAJJAR	180.936	175.809	24.134	23.438
KHELGAON	31.553	30.657	27.350	26.572
KHELGAON-II	104.751	101.784	91.038	88.453
FARAKA	13.496	13.114	12.348	11.998
TALA	1.303	1.266	1.303	1.266
TALCHER	0.000	0.000	0.000	0.000
DVC	155.872	154.305	154.305	149.903

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
UTTRANCHAL	0.000	0.000	0.000	0.000
HARYANA	0.384	0.379	0.379	0.368
CHATTISHGARH	0.000	0.000	0.000	0.000
DVC CTPS (BRPL)	0.000	0.000	0.000	0.000
DVC CTPS (BYPL)	0.000	0.000	0.000	0.000
DVC CTPS (NDPL)	0.000	0.000	0.000	0.000
METHON POWER(NDPL)LT-06	194.879	192.907	192.907	187.450
DVC MEJIA (LT-08)(BYPL)	0.000	0.000	0.000	0.000
URS	0.732	0.711	0.732	0.711
JAMMU & KASHMIR	44.221	43.670	43.670	42.386
HIMACHAL PRADESH	0.257	0.254	0.254	0.246
MEGHALAYA	0.000	0.000	0.000	0.000
MADHYA PRADESH(WR)	0.226	0.223	0.223	0.217
DVC (FOR NDPL) LT-09	5.408	5.354	5.354	5.197
HARYANA (LT-05)	21.634	21.369	21.369	20.751
ORISSA	0.179	0.176	0.176	0.171
TO UTTAR PRADESH	-50.664	-51.584	-51.584	-53.089
TO ANDHRA	-11.350	-11.520	-11.520	-11.856
TO MAHARASHTRA	-26.227	-26.785	-26.785	-27.567
TO WEST BENGAL	-61.276	-61.900	-61.900	-63.706
POWER EXCHANGE(IEX)	18.330	17.804	18.330	17.804
TO POWER EXCHANGE (IEX)	-115.625	-118.989	-115.625	-118.989
POWRER EXCHANGE(PX)	0.000	0.000	0.000	0.000
TO POWER EXCHANGE (PX)	-12.208	-12.550	-12.208	-12.550
TO SHARE PROJECT (HARYANA)	-0.344	-0.355	-0.344	-0.355
TO SHARE PROJECT (PUNJAB)	-0.344	-0.355	-0.344	-0.355
<b>TOTAL</b>	<b>2201.115</b>	<b>2132.303</b>	<b>1752.237</b>	<b>1686.248</b>

**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	1301.232	1264.271	1043.050	1013.403
NTPC - ER	149.800	145.555	130.736	127.023
NHPC	176.629	171.606	176.629	171.606
NPC	59.507	57.823	59.507	57.823
SASAN	104.142	101.180	103.911	100.954
KOTESHWAR	10.318	10.025	10.318	10.025
MUNDRA_UMPP	0.000	0.000	0.000	0.000
NATHPA JHAKRI	29.161	28.329	21.254	20.648
TEHRI	24.004	23.324	24.004	23.324
TALA	1.303	1.266	1.303	1.266
JHAJJAR	180.936	175.809	24.134	23.438
TALCHER	0.000	0.000	0.000	0.000
DVC	155.872	154.305	154.305	149.903
UTTRANCHAL	0.000	0.000	0.000	0.000
HARYANA	0.384	0.379	0.379	0.368
DVC CTPS (BRPL)	0.000	0.000	0.000	0.000
DVC CTPS (BYPL)	0.000	0.000	0.000	0.000
DVC CTPS (NDPL)	0.000	0.000	0.000	0.000
METHON POWER (NDPL)-LT-06	194.879	192.907	192.907	187.450
DVC MEJIA (LT-08)(BYPL)	0.000	0.000	0.000	0.000
URS	0.732	0.711	0.732	0.711
JAMMU & KASHMIR	44.221	43.670	43.670	42.386
HIMACHAL PRADESH	0.257	0.254	0.254	0.246
MADHYA PRADESH(WR)	0.226	0.223	0.223	0.217
DVC (FOR NDPL) LT-09	5.408	5.354	5.354	5.197
HARYANA (LT -05)	21.634	21.369	21.369	20.751
ORISSA	0.179	0.176	0.176	0.171
POWER EXCHANGE(IEX)	18.330	17.804	18.330	17.804
POWER EXCHANGE(PX)	0.000	0.000	0.000	0.000
<b>TOTAL</b>	<b>2479.154</b>	<b>2416.342</b>	<b>2032.549</b>	<b>1974.714</b>

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

NAME OF THE STATION	AVAILABILITY AT POWER PLANT	AVAILABILITY AT PERIPHERY	ALLOCATION MADE BY NRLDC AT POWER PLANT	ALLOCATION MADE BY NRLDC AT POWER PERIPHERY
TO UTTAR PRADESH	-50.664	-51.584	-51.584	-53.089
TO ANDHRA	-11.350	-11.520	-11.520	-11.856
TO MAHARASHTRA	-26.227	-26.785	-26.785	-27.567
TO WEST BENGAL	-61.276	-61.900	-61.900	-63.706
TO POWER EXCHANGE (IEX)	-115.625	-118.989	-115.625	-118.989
TO POWER EXCHANGE (PX)	-12.208	-12.550	-12.208	-12.550
TO SHARE PROJECT (HARYANA)	-0.344	-0.355	-0.344	-0.355
TO SHARE PROJECT (PUNJAB)	-0.344	-0.355	-0.344	-0.355
<b>TOTAL</b>	<b>-278.039</b>	<b>-284.039</b>	<b>-280.312</b>	<b>-288.466</b>
<b>TOTAL SCHEDULED DRAWAL FROM THE GRID</b>	<b>2201.115</b>	<b>2132.303</b>	<b>1752.237</b>	<b>1686.248</b>
TOTAL CONSUMPTION INCLUDING AUX. OF GENERATING STNs. EXCLUDING BTPS				2135.627
NET CONSUMPTION				<b>2121.946</b>
AVAILABILITY WITHIN DELHI				467.544
ACTUAL DRAWAL FROM THE GRID				1654.402
OVER DRAWAL(+)/UNDER DRAWAL(-) FROM THE GRID ON THE BASIS OF SCHEDULED ALLOCATION MADE BY NRLDC TO DELHI AT PERIPHERY				-31.846
LOAD SHEDDING				8.962
UNRESTRICTED DEMAND (GROSS)				2144.589
UNRESTRICTED DEMAND (NET)				2130.908
MAX. NET CONSUMPTION				90.566 ON 30.04.2014
MAX. LOAD SHEDDING				359MW ON 05.04.2014 AT 17.00HRS.
<b>PEAK LOAD</b>	Peak Demand during the month			SHEDDING AT PEAK TIME
DAY PEAK	4418MW AT 16.32.02HRS ON 30.04.2014			0 MW
EVENING PEAK	4309MW AT 23.00.14HRS ON 30.04.2014			27 MW
P.L.F. OF GENCO AND PRAGATI STNs.	RPH			38.49%
	GT			39.51%
	PRAGATI			46.79%
	RITHALA			0.00%
	BAWANA			0.46%
	Timarpur Okhla			114.64%

## SHEDDING DETAILS DURING THE MONTH OF APRIL 2014.

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
01-Apr-14	0	0.000	0.000	0.000	0.000	0.000	0.074	0.026	0.036	0.000
02-Apr-14	0	0.000	0.000	0.000	0.000	0.000	0.376	0.179	0.085	0.000
03-Apr-14	0	0.000	0.000	0.000	0.000	0.000	0.075	0.000	0.022	0.000
04-Apr-14	0	0.000	0.000	0.000	0.000	0.000	0.021	0.000	0.020	0.000
05-Apr-14	0	0.000	0.000	0.000	0.000	0.000	0.327	0.146	0.003	0.000
06-Apr-14	0	0.000	0.000	0.000	0.000	0.000	0.027	0.000	0.000	0.000
07-Apr-14	0	0.000	0.000	0.000	0.000	0.000	0.012	0.014	0.135	0.000
08-Apr-14	0	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.053	0.000
09-Apr-14	0	0.000	0.000	0.000	0.000	0.000	0.000	0.019	0.000	0.000
10-Apr-14	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11-Apr-14	0	0.000	0.000	0.000	0.000	0.000	0.070	0.136	0.021	0.000
12-Apr-14	0	0.000	0.000	0.000	0.000	0.000	0.150	0.247	0.145	0.000
13-Apr-14	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14-Apr-14	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.025	0.000
15-Apr-14	0	0.000	0.000	0.000	0.000	0.000	0.032	0.087	0.020	0.000
16-Apr-14	0	0.000	0.000	0.000	0.000	0.000	0.066	0.025	0.023	0.000
17-Apr-14	0	0.000	0.000	0.000	0.000	0.000	0.046	0.016	0.026	0.000
18-Apr-14	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
19-Apr-14	0	0.000	0.000	0.000	0.000	0.000	0.014	0.006	0.000	0.000
20-Apr-14	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
21-Apr-14	0	0.000	0.000	0.000	0.000	0.000	0.056	0.074	0.081	0.000
22-Apr-14	0	0.000	0.000	0.000	0.000	0.000	0.115	0.072	0.000	0.000
23-Apr-14	0	0.000	0.000	0.000	0.000	0.000	0.420	0.232	0.137	0.000
24-Apr-14	0	0.000	0.000	0.000	0.000	0.000	0.132	0.049	0.030	0.000
25-Apr-14	0	0.000	0.000	0.000	0.000	0.000	0.112	0.152	0.111	0.002
26-Apr-14	0	0.000	0.000	0.000	0.000	0.000	0.197	0.205	0.027	0.000
27-Apr-14	0	0.000	0.000	0.000	0.000	0.000	0.045	0.183	0.000	0.000
28-Apr-14	0	0.000	0.000	0.000	0.000	0.000	0.216	0.132	0.094	0.000
29-Apr-14	0	0.000	0.000	0.000	0.000	0.000	0.276	0.492	0.111	0.000
30-Apr-14	0	0.000	0.000	0.000	0.000	0.000	0.162	0.335	0.014	0.000
<b>TOTAL</b>	0	0.000	0.000	0.000	0.000	0.000	3.021	2.837	1.219	0.002

ALL FIGURES IN MUs

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
			12	13			14	15			
01-Apr-14	0.000	0.000	0.000	0.000	0.136	0.136	0.000	0.000	0.000	0.000	0.000
02-Apr-14	0.000	0.000	0.000	0.000	0.640	0.640	0.000	0.000	0.000	0.000	0.000
03-Apr-14	0.000	0.000	0.000	0.000	0.097	0.097	0.000	0.003	0.000	0.000	0.000
04-Apr-14	0.000	0.000	0.000	0.000	0.041	0.041	0.000	0.000	0.000	0.000	0.000
05-Apr-14	0.000	0.000	0.000	0.000	0.476	0.476	0.000	0.005	0.000	0.000	0.000
06-Apr-14	0.000	0.000	0.000	0.000	0.027	0.027	0.000	0.015	0.000	0.000	0.000
07-Apr-14	0.000	0.000	0.000	0.000	0.161	0.161	0.000	0.018	0.000	0.000	0.000
08-Apr-14	0.000	0.000	0.000	0.000	0.063	0.063	0.000	0.005	0.000	0.000	0.000
09-Apr-14	0.000	0.000	0.000	0.000	0.019	0.019	0.006	0.000	0.008	0.000	0.000
10-Apr-14	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11-Apr-14	0.000	0.000	0.000	0.000	0.227	0.227	0.000	0.000	0.000	0.000	0.000
12-Apr-14	0.000	0.000	0.000	0.000	0.542	0.542	0.003	0.000	0.000	0.046	0.000
13-Apr-14	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14-Apr-14	0.000	0.000	0.000	0.000	0.025	0.025	0.000	0.000	0.000	0.000	0.000
15-Apr-14	0.000	0.000	0.000	0.000	0.139	0.139	0.011	0.000	0.000	0.002	0.000
16-Apr-14	0.000	0.000	0.000	0.000	0.114	0.114	0.000	0.000	0.000	0.000	0.000
17-Apr-14	0.000	0.000	0.000	0.000	0.088	0.088	0.000	0.000	0.009	0.000	0.000
18-Apr-14	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.006	0.000	0.000
19-Apr-14	0.000	0.000	0.000	0.000	0.020	0.020	0.000	0.000	0.000	0.000	0.000
20-Apr-14	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.005	0.000	0.000
21-Apr-14	0.000	0.000	0.000	0.000	0.211	0.211	0.000	0.000	0.009	0.000	0.000
22-Apr-14	0.000	0.000	0.000	0.000	0.187	0.187	0.000	0.000	0.000	0.000	0.000
23-Apr-14	0.000	0.000	0.000	0.000	0.789	0.789	0.000	0.000	0.000	0.000	0.000
24-Apr-14	0.000	0.000	0.000	0.000	0.211	0.211	0.000	0.006	0.000	0.000	0.000
25-Apr-14	0.000	0.000	0.000	0.000	0.377	0.377	0.000	0.022	0.000	0.000	0.000
26-Apr-14	0.000	0.000	0.000	0.000	0.429	0.429	0.000	0.013	0.005	0.000	0.000
27-Apr-14	0.000	0.000	0.000	0.000	0.228	0.228	0.007	0.000	0.000	0.000	0.000
28-Apr-14	0.000	0.000	0.000	0.000	0.442	0.442	0.038	0.016	0.014	0.000	0.000
29-Apr-14	0.000	0.000	0.000	0.000	0.879	0.879	0.010	0.119	0.000	0.000	0.000
30-Apr-14	0.000	0.000	0.000	0.000	0.511	0.511	0.033	0.110	0.019	0.000	0.000
<b>TOTAL</b>	0.000	0.000	0.000	0.000	7.079	7.079	0.108	0.332	0.075	0.048	0.000



ALL FIGURES IN MUs

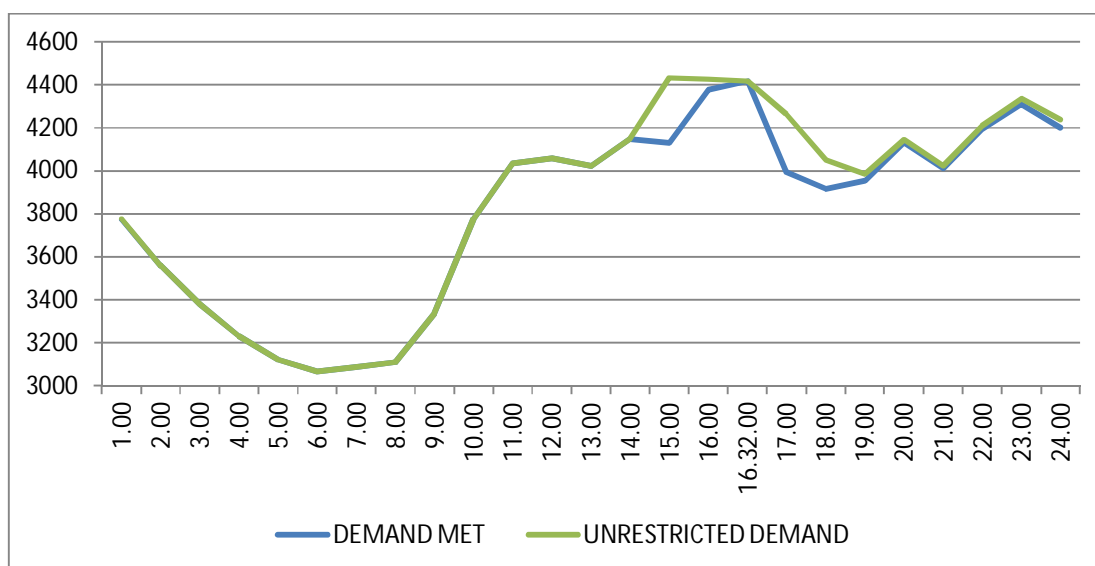
DATE	DUE TO T&D CONTRAINTS				OTHER AGENCIES LIKE GENCO, BBMB, BTPS ETC.	THEFT PRONE SHEDDING			TOTAL SHEDDING DUE TO T&D CONSTS. & THEFT PRONE	GRAND TOTAL
	DISCOMS					BSES		NDPL		
	BSES		NDPL	NDMC		BSES				
	BYPL	BRPL				BYPL	BRPL			
1	23	24	25		26	27	28	29	30=18 to29	31=30+17
01-Apr-14	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.024	0.024	0.160
02-Apr-14	0.009	0.000	0.012	0.000	0.000	0.000	0.000	0.031	0.052	0.692
03-Apr-14	0.014	0.004	0.070	0.000	0.000	0.000	0.000	0.027	0.118	0.215
04-Apr-14	0.041	0.008	0.007	0.000	0.000	0.000	0.000	0.019	0.075	0.116
05-Apr-14	0.022	0.000	0.000	0.000	0.000	0.000	0.000	0.019	0.046	0.522
06-Apr-14	0.043	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.058	0.085
07-Apr-14	0.005	0.000	0.000	0.000	0.000	0.000	0.000	0.011	0.034	0.195
08-Apr-14	0.028	0.000	0.000	0.000	0.003	0.000	0.000	0.003	0.039	0.102
09-Apr-14	0.010	0.000	0.000	0.000	0.026	0.000	0.000	0.000	0.050	0.069
10-Apr-14	0.004	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.004
11-Apr-14	0.020	0.006	0.002	0.000	0.002	0.000	0.000	0.010	0.040	0.267
12-Apr-14	0.020	0.000	0.000	0.000	0.000	0.000	0.000	0.027	0.096	0.638
13-Apr-14	0.013	0.000	0.002	0.000	0.000	0.000	0.000	0.000	0.015	0.015
14-Apr-14	0.006	0.006	0.000	0.000	0.000	0.000	0.000	0.000	0.012	0.037
15-Apr-14	0.036	0.000	0.002	0.000	0.000	0.000	0.000	0.030	0.081	0.220
16-Apr-14	0.000	0.015	0.000	0.000	0.000	0.000	0.000	0.048	0.063	0.177
17-Apr-14	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.019	0.107
18-Apr-14	0.020	0.006	0.001	0.000	0.000	0.000	0.000	0.000	0.033	0.033
19-Apr-14	0.000	0.018	0.000	0.000	0.000	0.000	0.000	0.000	0.018	0.038
20-Apr-14	0.000	0.000	0.003	0.000	0.033	0.000	0.000	0.000	0.042	0.042
21-Apr-14	0.000	0.000	0.006	0.000	0.000	0.000	0.000	0.047	0.062	0.273
22-Apr-14	0.009	0.000	0.000	0.000	0.000	0.000	0.000	0.029	0.038	0.225
23-Apr-14	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.032	0.033	0.822
24-Apr-14	0.002	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.012	0.223
25-Apr-14	0.030	0.000	0.008	0.000	0.000	0.000	0.000	0.029	0.089	0.466
26-Apr-14	0.000	0.005	0.012	0.000	0.000	0.000	0.000	0.011	0.046	0.475
27-Apr-14	0.013	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.030	0.258
28-Apr-14	0.000	0.008	0.002	0.000	0.000	0.000	0.000	0.014	0.092	0.534
29-Apr-14	0.011	0.065	0.031	0.000	0.000	0.000	0.000	0.010	0.246	1.125
30-Apr-14	0.010	0.114	0.010	0.000	0.000	0.000	0.000	0.021	0.317	0.828
<b>TOTAL</b>	0.376	0.255	0.179	0.000	0.064	0.000	0.000	0.446	1.884	8.963

DATE	(NET CONS.)	MAXI. 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
<b>1</b>	<b>32</b>	<b>33</b>	<b>34</b>	<b>35</b>	<b>36=33+35</b>	<b>37=39+40</b>	<b>38</b>	<b>39</b>	<b>40</b>
01-Apr-14	62.374	3134	19:37:56	66	3200	3200	19:37:56	3134	66
02-Apr-14	64.004	3196	19:29:02	36	3232	3232	19:29:02	3196	36
03-Apr-14	63.916	3311	19:22:28	40	3351	3351	19:22:28	3311	40
04-Apr-14	65.798	3382	19:16:13	0	3382	3382	19:16:13	3382	0
05-Apr-14	64.023	3234	19:28:03	46	3280	3280	19:28:03	3234	46
06-Apr-14	62.038	3208	19:47:26	19	3227	3227	19:47:26	3208	19
07-Apr-14	69.521	3428	19:30:12	0	3428	3428	19:30:12	3428	0
08-Apr-14	64.491	3240	19:28:23	0	3240	3240	19:28:23	3240	0
09-Apr-14	68.027	3347	19:30:59	26	3373	3373	19:30:59	3347	26
10-Apr-14	55.141	2778	20:07:26	0	2778	2778	20:07:26	2778	0
11-Apr-14	68.018	3408	19:30:00	0	3408	3427	20:00	3307	120
12-Apr-14	67.928	3436	19:04:23	14	3450	3450	19:04:23	3436	14
13-Apr-14	64.384	3121	19:27:54	0	3121	3121	19:27:54	3121	0
14-Apr-14	67.158	3454	19:31:15	0	3454	3454	19:31:15	3454	0
15-Apr-14	73.243	3623	19:29:41	0	3623	3623	19:29:41	3623	0
16-Apr-14	71.443	3606	19:20:10	11	3617	3617	19:20:10	3606	11
17-Apr-14	72.131	3526	10:57:15	0	3526	3526	10:57:15	3526	0
18-Apr-14	67.705	3388	19:27:53	6	3394	3394	19:27:53	3388	6
19-Apr-14	66.982	3329	19:25:19	0	3329	3329	19:25:19	3329	0
20-Apr-14	64.307	3193	19:44:02	0	3193	3193	19:44:02	3193	0
21-Apr-14	70.925	3569	19:29:42	0	3569	3569	19:29:42	3569	0
22-Apr-14	73.280	3654	19:36:36	0	3654	3654	19:36:36	3654	0
23-Apr-14	75.016	3633	19:51:34	64	3697	3697	19:51:34	3633	64
24-Apr-14	77.804	3794	15:12:13	0	3794	3794	15:12:13	3794	0
25-Apr-14	80.447	3875	16:11:03	0	3875	3883	16:00	3851	32
26-Apr-14	81.185	3759	19:55:31	0	3759	3759	19:55:31	3759	0
27-Apr-14	77.024	3610	23:32:51	51	3661	3669	23:00	3530	139
28-Apr-14	85.587	4090	15:33:23	0	4090	4090	15:33:23	4090	0
29-Apr-14	87.480	4215	16:29:25	20	4235	4235	16:29:25	4215	20
30-Apr-14	90.566	4418	16:32:02	0	4418	4469	15:30	4277	192
<b>TOTAL</b>	2121.946	4418 <b>30.04.2014</b>	16:32:00	0	4418 30.04.2014	4469	15:30	4277	192

**10 LOAD PATTERN OF DELHI ON THE DAY OF PEAK DEMAND MET DURING APRIL 2014 ON 30.04.2014- 4418MW AT 16.32.00HRS.**

All figures in MW

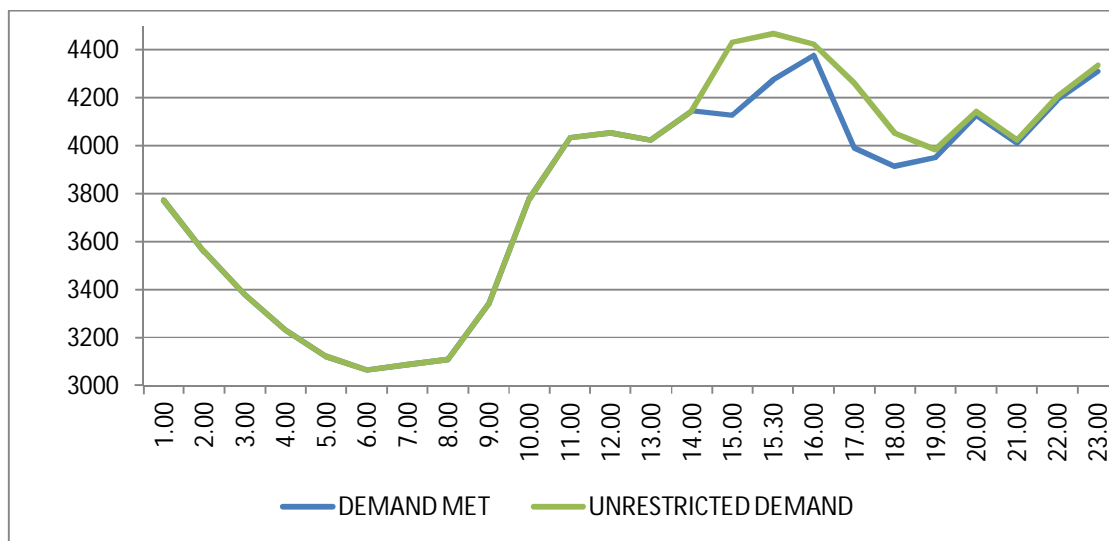
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	3772	2	3774
2.00	3558	0	3558
3.00	3378	0	3378
4.00	3232	0	3232
5.00	3122	0	3122
6.00	3065	0	3065
7.00	3087	0	3087
8.00	3110	0	3110
9.00	3337	0	3337
10.00	3777	0	3777
11.00	4034	0	4034
12.00	4056	0	4056
13.00	4023	0	4023
14.00	4147	0	4147
15.00	4129	302	4431
16.00	4377	47	4424
16.32.00	4418	0	4418
17.00	3994	270	4264
18.00	3914	138	4052
19.00	3952	33	3985
20.00	4129	14	4143
21.00	4010	14	4024
22.00	4193	14	4207
23.00	4309	27	4336
24.00	4200	37	4237



**11 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UN-RESTRICTED DEMAND DURING APRIL 2014 ON 30.04.2014- 4469MW at 15.30.00HRS.**

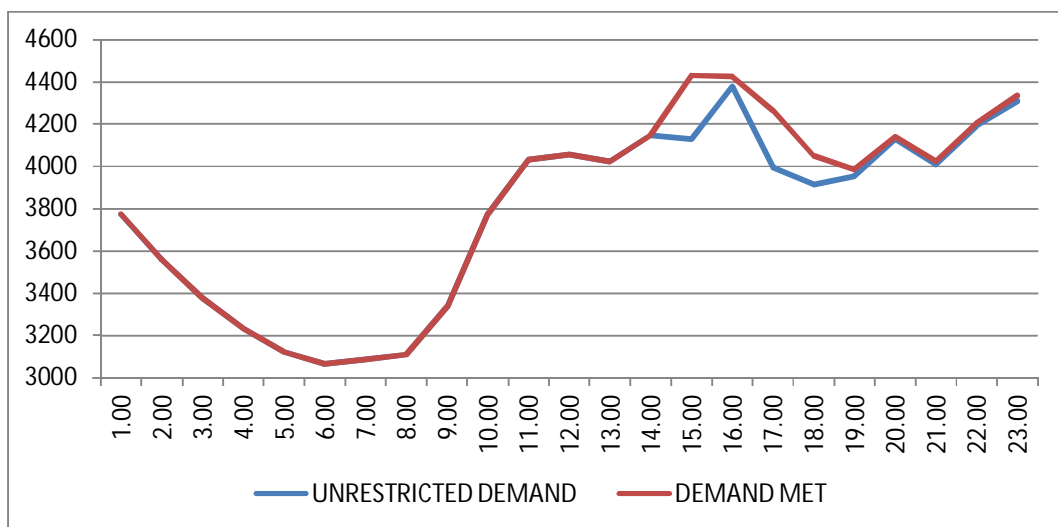
All figures in MW

Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	3772	2	3774
2.00	3558	0	3558
3.00	3378	0	3378
4.00	3232	0	3232
5.00	3122	0	3122
6.00	3065	0	3065
7.00	3087	0	3087
8.00	3110	0	3110
9.00	3337	0	3337
10.00	3777	0	3777
11.00	4034	0	4034
12.00	4056	0	4056
13.00	4023	0	4023
14.00	4147	0	4147
15.00	4129	302	4431
15.30	4277	192	4469
16.00	4377	47	4424
17.00	3994	270	4264
18.00	3914	138	4052
19.00	3952	33	3985
20.00	4129	14	4143
21.00	4010	14	4024
22.00	4193	14	4207
23.00	4309	27	4336
24.00	4200	37	4237



**12 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM ENERGY CONSUMED DURING APRIL 2014 – 30.04.2014 – 90.566Mus All figures in MW**

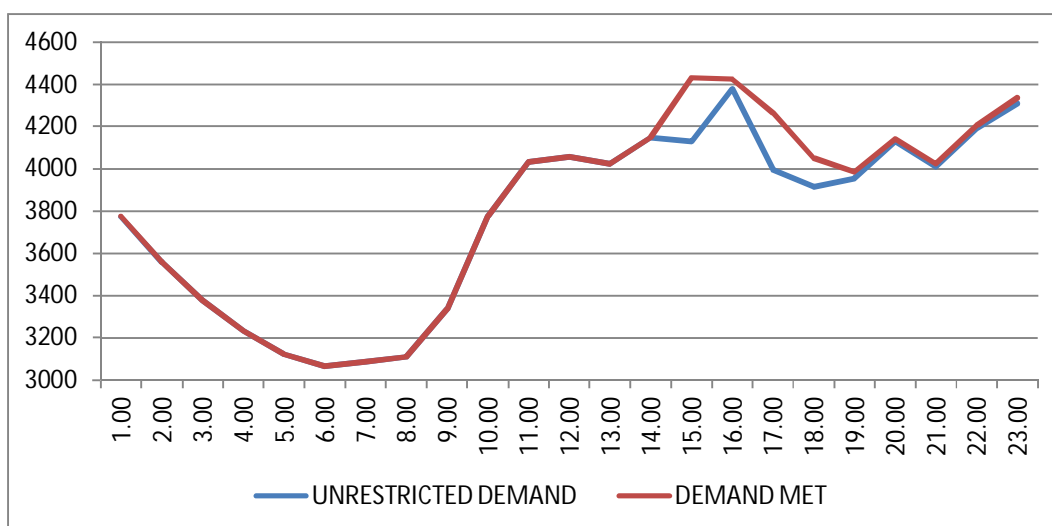
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	3772	2	3774
2.00	3558	0	3558
3.00	3378	0	3378
4.00	3232	0	3232
5.00	3122	0	3122
6.00	3065	0	3065
7.00	3087	0	3087
8.00	3110	0	3110
9.00	3337	0	3337
10.00	3777	0	3777
11.00	4034	0	4034
12.00	4056	0	4056
13.00	4023	0	4023
14.00	4147	0	4147
15.00	4129	302	4431
15.30	4277	192	4469
16.00	4377	47	4424
17.00	3994	270	4264
18.00	3914	138	4052
19.00	3952	33	3985
20.00	4129	14	4143
21.00	4010	14	4024
22.00	4193	14	4207
23.00	4309	27	4336
24.00	4200	37	4237



**13 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UNRESTRICTED ENERGY DEMAND DURING APRIL 2014 – 30.04.2014 – 91.394 Mus**

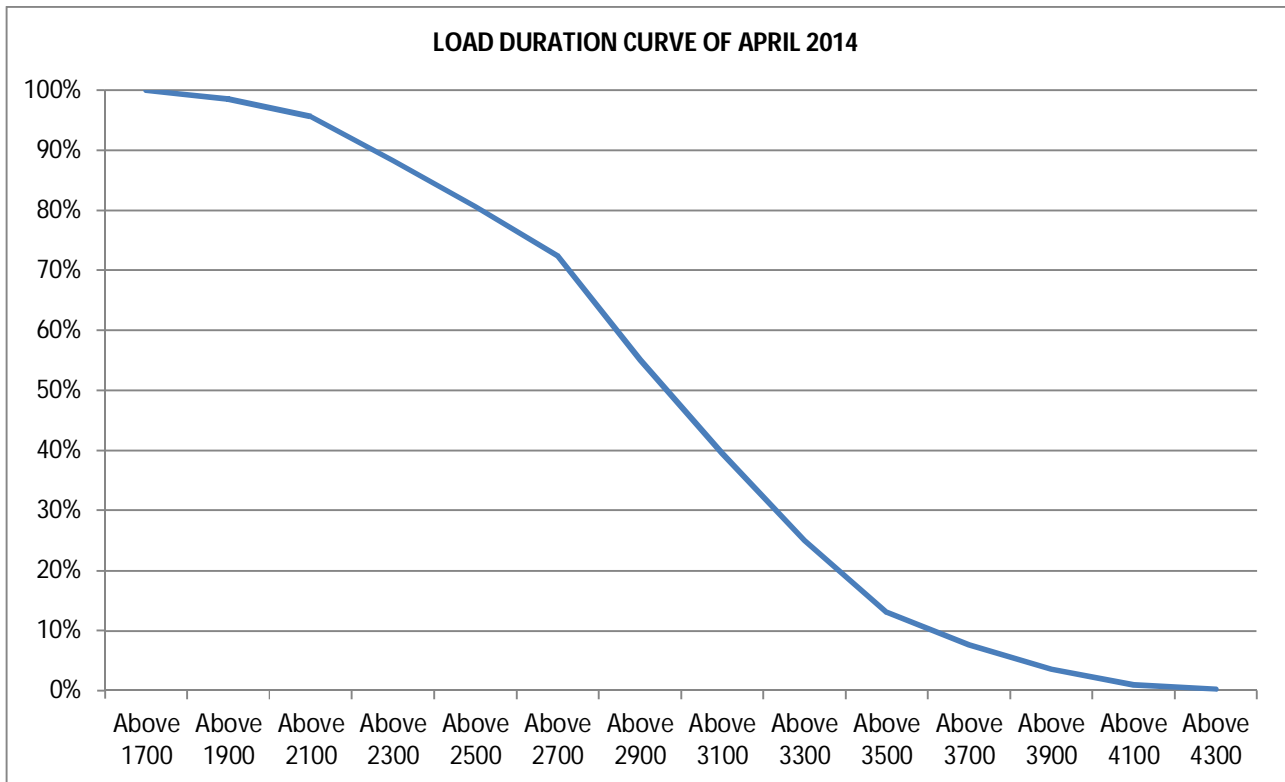
All figures in MW

Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	3772	2	3774
2.00	3558	0	3558
3.00	3378	0	3378
4.00	3232	0	3232
5.00	3122	0	3122
6.00	3065	0	3065
7.00	3087	0	3087
8.00	3110	0	3110
9.00	3337	0	3337
10.00	3777	0	3777
11.00	4034	0	4034
12.00	4056	0	4056
13.00	4023	0	4023
14.00	4147	0	4147
15.00	4129	302	4431
15.30	4277	192	4469
16.00	4377	47	4424
17.00	3994	270	4264
18.00	3914	138	4052
19.00	3952	33	3985
20.00	4129	14	4143
21.00	4010	14	4024
22.00	4193	14	4207
23.00	4309	27	4336
24.00	4200	37	4237



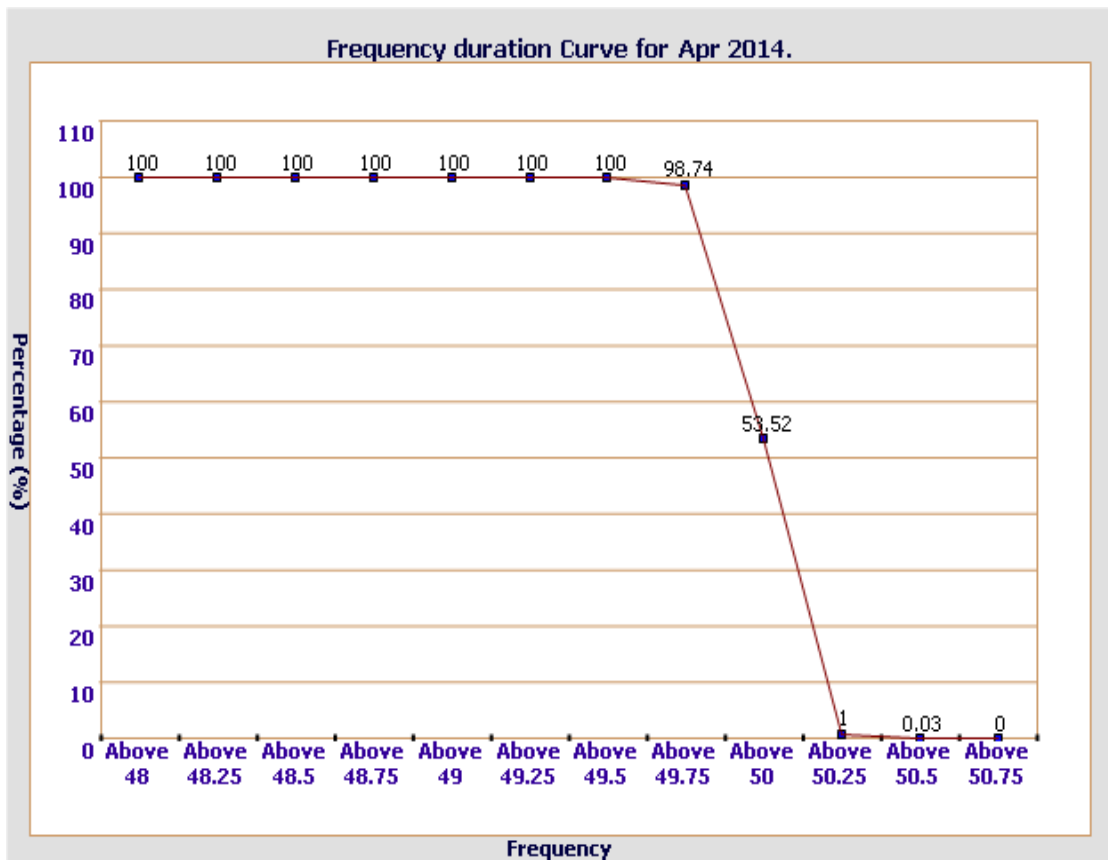
**14 LOAD DURATION CURVE FOR APRIL 2014**

<b>Load in MW</b>	<b>Percentage of Time</b>
Above 1700	100 %
Above 1900	98.55 %
Above 2100	95.61 %
Above 2300	88.29 %
Above 2500	80.6 %
Above 2700	72.39 %
Above 2900	55.07 %
Above 3100	39.53 %
Above 3300	24.94 %
Above 3500	13 %
Above 3700	7.64 %
Above 3900	3.57 %
Above 4100	0.99 %
Above 4300	0.22 %



**FREQUENCY ANALYSIS FOR THE MONTH OF APRIL 2014**

<b>Frequency Range in Hz.</b>	<b>Percentage of time</b>
Above 49.5	100 %
Above 49.75	98.74 %
Above 50	53.52 %
Above 50.25	1 %
Above 50.5	0.03 %
Above 50.75	0 %





**16 VOLTAGE PROFILE OF 220 KV SUB-STATIONS IN DELHI DURING APRIL 2014**

**All figures in kV**

Date	NARELA		GAZIPUR	
	Max	Min	Max	Min
01-Apr-14	224.92	207.51	227.37	212.03
02-Apr-14	230.47	185.97	235.24	223.38
03-Apr-14	231.50	216.67	235.37	221.57
04-Apr-14	--	--	--	--
05-Apr-14	231.50	218.99	234.08	219.12
06-Apr-14	231.24	219.64	233.05	223.50
07-Apr-14	232.79	218.60	236.40	221.83
08-Apr-14	230.47	218.86	233.95	221.70
09-Apr-14	230.60	214.48	233.82	220.41
10-Apr-14	229.44	217.31	235.37	223.12
11-Apr-14	229.18	215.64	234.47	219.25
12-Apr-14	227.63	214.09	232.40	208.03
13-Apr-14	230.08	218.86	234.60	222.47
14-Apr-14	229.31	216.28	233.69	219.51
15-Apr-14	226.60	214.35	232.53	218.99
16-Apr-14	228.02	213.70	233.69	216.93
17-Apr-14	226.60	212.80	231.24	216.02
18-Apr-14	231.76	215.38	237.69	219.64
19-Apr-14	--	--	--	--
20-Apr-14	228.66	218.99	233.05	223.50
21-Apr-14	228.15	215.64	232.53	220.28
22-Apr-14	227.37	215.77	231.37	221.44
23-Apr-14	226.86	213.83	230.21	217.06
24-Apr-14	226.34	211.77	228.66	217.06
25-Apr-14	225.57	212.41	228.79	217.06
26-Apr-14	225.05	213.06	227.37	217.31
27-Apr-14	226.21	213.96	229.31	218.35
28-Apr-14	228.79	211.77	234.60	216.67
29-Apr-14	224.41	210.74	226.60	213.83
30-Apr-14	227.24	216.67	227.50	213.83

Date	400kV Bamnauli Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01-Apr-14	415.98	08.03.23	390.19	15.48.02	402.29
02-Apr-14	420.67	03.28.08	404.49	06.40.30	413.06
03-Apr-14	421.85	02.00.50	398.40	19.12.48	410.68
04-Apr-14	--	--	--	--	--
05-Apr-14	421.61	02.56.25	398.40	19.17.53	410.12
06-Apr-14	420.91	03.50.47	401.68	19.14.53	413.61
07-Apr-14	425.36	02.52.37	401.68	19.13.21	413.40
08-Apr-14	420.91	00.33.19	402.15	19.18.33	412.37
09-Apr-14	420.67	03.51.26	397.46	19.14.56	411.51
10-Apr-14	422.55	13.59.14	400.27	19.27.34	413.29
11-Apr-14	420.91	03.25.22	395.58	19.13.03	408.69
12-Apr-14	415.75	--	396.05	19.25.24	406.02
13-Apr-14	419.50	08.15.36	398.40	19.18.24	411.16
14-Apr-14	415.52	03.53.04	394.65	19.12.24	406.69
15-Apr-14	413.17	03.39.25	393.71	14.57.26	403.55
16-Apr-14	419.50	07.35.30	393.94	14.35.43	405.93
17-Apr-14	418.10	13.02.42	393.07	19.22.18	408.74
18-Apr-14	425.60	05.30.58	398.16	19.14.32	411.21
19-Apr-14	--	--	--	--	--
20-Apr-14	418.33	18.00.05	402.62	19.13.50	410.69
21-Apr-14	416.69	03.52.04	397.46	19.13.01	406.81
22-Apr-14	415.98	02.48.00	398.40	14.23.15	408.00
23-Apr-14	416.22	00.31.45	395.12	19.23.52	406.08
24-Apr-14	413.41	02.59.44	396.05	19.13.29	405.07
25-Apr-14	413.87	08.03.26	394.65	19.34.38	405.03
26-Apr-14	412.70	08.05.31	394.65	11.35.27	403.42
27-Apr-14	413.22	18.02.58	394.65	22.17.27	405.60
28-Apr-14	419.27	--	393.24	14.47.50	400.35
29-Apr-14	413.17	08.04.18	392.07	19.26.18	400.67
30-Apr-14	414.34	08.06.15	393.71	23.06.38	401.57

All figures in kV

Date	400kV Bawana Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01-Apr-14	414.81	06.03.36	388.78	00.09.56	402.71
02-Apr-14	426.77	21.29.40	408.72	14.22.02	418.61
03-Apr-14	427.24	02.00.40	404.26	19.10.37	418.20
04-Apr-14	--	--	--	--	--
05-Apr-14	426.77	02.56.045	405.20	19.17.43	415.89
06-Apr-14	425.13	03.32.56	407.54	19.14.23	418.68
07-Apr-14	420.29	02.52.17	406.37	19.14.41	418.43
08-Apr-14	426.30	00.32.19	406.37	19.18.53	417.02
09-Apr-14	424.43	03.14.24	400.98	19.15.27	416.11
10-Apr-14	426.30	13.59.04	405.67	19.27.04	417.64
11-Apr-14	424.90	03.26.02	404.26	19.10.23	415.47
12-Apr-14	423.02	--	404.49	18.55.13	414.57
13-Apr-14	427.71	09.08.35	407.78	19.33.05	420.11
14-Apr-14	425.13	02.42.00	403.79	19.12.14	415.39
15-Apr-14	421.61	03.39.35	401.92	14.55.46	411.90
16-Apr-14	423.25	07.08.29	402.85	14.35.43	412.63
17-Apr-14	425.60	13.04.52	400.74	19.21.58	416.27
18-Apr-14	428.65	04.35.54	406.61	19.15.12	418.16
19-Apr-14	--	--	--	--	--
20-Apr-14	425.36	16.06.28	410.83	19.07.09	418.79
21-Apr-14	424.43	03.01.01	405.67	19.12.51	414.92
22-Apr-14	423.25	02.48.00	407.78	14.19.45	415.37
23-Apr-14	421.38	01.07.18	403.79	19.23.52	413.25
24-Apr-14	419.74	02.57.44	402.85	19.13.19	411.66
25-Apr-14	419.74	08.03.26	251.37	11.27.22	409.34
26-Apr-14	413.87	08.05.31	252.78	13.56.17	405.18
27-Apr-14	419.03	18.02.38	396.99	22.19.27	407.75
28-Apr-14	426.54	--	396.99	22.09.09	403.31
29-Apr-14	414.81	08.02.49	395.58	14.50.37	403.16
30-Apr-14	416.69	08.06.25	396.99	14.20.51	404.45

## 18 DETAILS OF LUMPED CAPACITORS AT NEAREST 220 KV SUBSTATION

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

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

Sl. No	SUB-STATION	INSTALLED CAPACITY			
		66KV	33kV	11kV	TOTAL
<b>11</b>	<b>Wazirabad</b>				
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
	<b>LT BYPL</b>				<b>10</b>
		<b>41.95</b>	<b>47.04</b>	<b>130.54</b>	<b>229.53</b>
<b>12</b>	<b>Geeta Colony</b>				
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
	<b>LT BYPL</b>				<b>5.8</b>
		<b>0</b>	<b>0</b>	<b>36.87</b>	<b>42.67</b>
<b>13</b>	<b>Gazipur S/stn</b>	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
	<b>LT BYPL</b>				<b>20.6</b>
		<b>109.12</b>	<b>0</b>	<b>79.07</b>	<b>208.79</b>
<b>14</b>	<b>Patparganj S/stn</b>	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
	<b>LT BYPL</b>				<b>23.3</b>
		<b>121.93</b>	<b>40.83</b>	<b>151.71</b>	<b>337.77</b>
<b>15</b>	<b>Najafgarh S/stn</b>	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
	<b>LT BRPL</b>				<b>27</b>
		<b>144.45</b>	<b>10.05</b>	<b>163.67</b>	<b>345.17</b>

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

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



Sl. No	SUB-STATION	INSTALLED CAPACITY			
		66KV	33kV	11kV	TOTAL
28	<b>MUNDKA</b>				
	Rohini-2			11.39	11.39
	LT BRPL				18.5
		0	0	11.39	29.89
29	<b>DSIDC BAWANA</b>				
	DSIDC NRL-1	20			20
	DSIDC NRL-2			10.88	10.88
		20	0	10.88	30.88
30	<b>RIDGE VALLEY</b>				
	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	<b>IP EXTN (PRAGATI)</b>				
	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
	<b>TOTAL CAPACITY</b>	<b>1067.9</b>	<b>491.4</b>	<b>2092.7</b>	<b>4139</b>

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
<b>TOTAL</b>	<b>3652</b>	<b>487</b>	<b>4139</b>

**20 DETAILS OF BREAK-DOWNS DURING THE MONTH OF APRIL 2014**

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
1	02-04-2014	13:13	ROHINI-II 220/66kV 160MVA Tx-I	02-04-2014	14:30	TX TRIPPED ON 86 & LOW GAS PRESSURE ALARM.
2	02-04-2014	18:28	WAZIRABAD 220/66kV 100MVA Tx-III	02-04-2014	19:29	TX TRIPPED ON E/F,51N,86. 66KV I/C-3 TRIPPED ON INTER TRIPPING.
3	02-04-2014	18:28	220kV WAZIRABAD-GEETA COLONY CKT-II	02-04-2014	19:22	AT WZB CKT TRIPPED ON D/P,Z-1. NO TRIPPING AT GEETA COLONY END.
4	03-04-2014	02:27	MEHRAULI 220/66kV 160MVA Tx-I	03-04-2014	07:45	TX TRIPPED ON REF 86. 66KV I/C TRIPPED ON INTER TRIP. Y-PH BUS PT DAMAGED.
5	05-04-2014	07:24	MASJID MOTH 220/33kV 100MVA Tx-II	05-04-2014	12:45	I/C-II TRIPPED ON DIFFERENTIAL O/C & E/F
6	05-04-2014	07:24	220kV MAHARANIBAGH-MASJID MOTH CKT-II	05-04-2014	12:45	AT MASJID MOTH CKT. TRIPPED ON MASTER RELAY 86, PROTECTION RELAY 87L, (DIFFERENTIAL RELAY) AT MAHARANI BAGH CKT. TRIPPED ON 86 MASTER RELAY
7	06-04-2014	10:30	220kV OKHLA - BTPS CKT.- I	06-04-2014	10:48	CKT. TRIPPED WHILE AVAILING SHUTDOWN
8	06-04-2014	14:45	GEETA COLONY 220/33kV 100MVA Tx-II	06-04-2014	15:08	TR. ALONGWITH I/C TRIPPED ON 86, 30E
9	07-04-2014	00:33	220kV OKHLA - BTPS CKT. - II	07-04-2014	17:34	AT OKHLA : CKT. TRIPPED ON DIST. PROT., ZONE-1, 86T, 86T AT BTPS : Z-1, Y PHASE DIST. 5.4KMS.
10	07-04-2014	03:50	220kV BAMNAULI-NAJAFGARH CKT-I	07-04-2014	04:35	AT NAJAFGARH : CKT. TRIPPED ON MARTER RELAY 186, 186 AT BAMNAULI : NO TRIPPING
11	07-04-2014	09:00	220kV GEETA COLONY- PATPARGANJ CKT-I	07-04-2014	16:40	AT PATPARGANJ SPARKING OBSERVED AT R PHASE WAVE TRAP
12	08-04-2014	06:31	INDRAPRASTHA POWER 220/33kV 100MVA Tx-II	08-04-2014	08:15	TR. TRIPPED ON O/C, 51B
13	08-04-2014	06:31	INDRAPRASTHA POWER 33kV KILOKRI CKT (BAY-1)	08-04-2014	16:25	CKT. PUT OFF DUE TO R PHASE BUS ISOLATOR DAMAGED
14	09-04-2014	13:48	220KV BAWANA -NAJAFGARH CKT	09-04-2014	14:17	AT BAWANA CKT. TRIPPED ON ZONE -1, 21X, RYB DIST. 12.47KMS AT NAJAFGARH CKT. TRIPPED ON DIST. PROT. ZONE-1, DIST. 14.51KMS.
15	09-04-2014	16:23	PARKSTREET 220/33kV 100MVA Tx-I	09-04-2014	21:52	TR. TRIPPED ON DIFFERENTIAL 87TB, C PHASE, 87TC, E/F ON LV SIDE
16	09-04-2014	18:11	220kV GOPALPUR-SUBZI MANDI CKT-II	09-04-2014	18:32	CKT. TRIPPED ON 86 Z-1, RYB PHASE
17	10-04-2014	06:50	OKHLA 33kV OKHLA CKT-I	10-04-2014	09:20	CKT. TRIPPED ON E/F
18	10-04-2014	06:50	OKHLA 33kV ALAKNANDA CKT-II	10-04-2014	13:10	CKT. TRIPPED WITHOUT INDICATION
19	10-04-2014	17:25	220 KV GOPALPUR-WAZIRABAD CKT	10-04-2014	17:45	CKT. TRIPPED ON DIST. PROT. ZONE -1, 0.7KM
20	11-04-2014	08:05	VASANT KUNJ 220/66kV 100MVA Tx-II	11-04-2014	13:40	TR. MADE OFF DUE TO HIGH SOUND OBSERVED IN 66KV B PHASE CT
21	12-04-2014	09:51	PRAGATI 220/66kV 160MVA Tx-II	12-04-2014	10:32	TR. TRIPPED ON 30D, OLTC, OSR TRIP, SPR TRIP, 30B, 30C
22	12-04-2014	09:51	PRAGATI 220/66kV 160MVA Tx-I	12-04-2014	10:28	TR. TRIPPED ON OLTC, 30A, BUCH TRIP, 30D, 30B, 86, 86
23	12-04-2014	11:26	220kV DSIIDC BAWANA-NARELA CKT-I	12-04-2014	12:01	AT NARELA CKT. TRIPPED ON ABC PHASE, ZONE-1, DIST. 8.631KMS, 186 AT BAWANA CKT. TRIPPED ON ZONE-1
24	12-04-2014	11:27	ROHINI-II 220/66kV 160MVA Tx-I	12-04-2014	16:03	TR. TRIPPED ON 86B
25	12-04-2014	11:28	220kV BAWANA-DSIIDC BAWANA CKT-I	12-04-2014	16:43	AT DSIIDC BAWANA CKT. TRIPPED ON DIST PROT., AUTO RECLOSE LOCK OUT, 180A, 86, 80B AT BAWANA NO TRIPPING
26	12-04-2014	12:26	LODHI RD 33/11kV, 16MVA Tx-IV	12-04-2014	12:36	TR. TRIPPED ALONGWITH 11KV I/C ON OLTC, 86
27	12-04-2014	18:57	220kV SARITA VIHAR - BTPS CKT.-I	12-04-2014	19:10	AT BTPS CKT. TRIPPED ON PH - PH FAULT Y & B PHASE AT SARITA VIHAR NO TRIPPING
28	13-04-2014	04:58	ROHINI-II 220/66kV 160MVA Tx-I	13-04-2014	09:03	TR. TRIPPED ALONGWITH I/C TR. TRIPPED ON 86T, 86LV I/C TRIPPED ON 86A

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
29	13-04-2014	17:15	MEHRAULI 220/66kV 160MVA Tx-I	13-04-2014	18:45	TR. TRIPPED ON REF, HV SIDE , 186 ALONGWITH 66KV I/C
30	13-04-2014	17:15	MEHRAULI 66kV MALVIYA NAGAR CKT-I	13-04-2014	18:45	CKT. TRIPPED ON DIST PROT. R PHASE ZONE -I ALONGWITH TRIPPING OF 160MVA PR. TR.
31	14-04-2014	01:07	400kV Bawana-Mundka Ckt-II	14-04-2014	06:53	AT BAWANA CKT TRIPPED ON 186A, 186B, DIST PROT. ZON E-1 AT MUNDKA CKT TRIPPED ON DIST PROT. ZONE -1, Y PHSE DIST. 34MTS.
32	15-04-2014	18:39	PRAGATI 220/66kV 160MVA Tx-I	15-04-2014	18:50	TR. TRIPPED ON INTER TRIP, 86, 86 66KV I/C-I TRIPPED ON NO INDICATION
33	15-04-2014	18:39	PRAGATI 220/66kV 160MVA Tx-II	16-04-2014	20:24	TR. TRIPPED ON DIFFERENTIAL, REF, HV , 86, 86 AT I.P. CKT. TRIPPED ON DIST. PROT. , 86, ABC AT PRAGATI NO TRIPPING
34	15-04-2014	18:41	220kV PRAGATI - I.P.CKT - I	16-04-2014	01:00	TR. TRIPPED ON REF HV SIDE 33KV I/C-II TRIPPED ON INTER TRIPPED
35	15-04-2014	18:41	INDRAPRASTHA POWER 220/33kV 100MVA Tx-II	16-04-2014	19:30	AT WAZIRABAD CKT. TRIPPED ON DIST PROT. ZONE-1, DIST. 5.5KMS. AT GEETA COLONY CKT. TRIPPED ON DIST. PROT, ZONE-I E/F, DIST. 452MTS.
36	16-04-2014	07:27	220kV WAZIRABAD-GEETA COLONY CKT-I	16-04-2014	18:03	AT MEHRAULI CKT. TRIPPED ON DIST PROT, ZONE-1, DISTANCE 14.87KMS. AT BTPS CKT. TRIPPED ON B PHASE E/F
37	16-04-2014	07:31	220kV MEHRAULI - BTPS CKT. - I	16-04-2014	08:44	TR. TRIPPED ON 86 RELAY
38	16-04-2014	09:40	SARITA VIHAR 220/66kV 100MVA Tx-II	16-04-2014	09:42	TR. TRIPPED ON O/C R & B PHASE
39	17-04-2014	11:13	SHALIMAR BAGH 33/11kV, 16MVA Tx-I	17-04-2014	19:35	33KV I/C TRIPPED ON E/F
40	17-04-2014	11:45	SHALIMAR BAGH 220/33kV 100MVA Tx-III	17-04-2014	11:48	33KV I/C TRIPPED ON E/F
41	17-04-2014	11:45	SHALIMAR BAGH 220/33kV 100MVA Tx-II	17-04-2014	11:48	TR. TRIPPED ON 86B
42	17-04-2014	11:55	ROHINI-II 220/66kV 160MVA Tx-I	17-04-2014	13:00	TR. TRIPPED ON 86B
43	17-04-2014	11:55	ROHINI-II 220/66kV 160MVA Tx-II	17-04-2014	13:00	AT BAWANA CKT. TRIPPED ON 186 A&B, DIST PROT. A PHASE AT ROHINI NO TRIPPING
44	17-04-2014	11:55	220KVBAWANA- ROHINI CKT-II	17-04-2014	12:57	AT MAHARANI BAGH CKT. TRIPPED ON DIST. PROT. R PHASE DIST. 3.7KMS ZONE-2 AT SARITA VIHAR CKT. TRIPPED ON DIST. PROT ZONE 1 DIST. 1.48KM, 186ABC
45	17-04-2014	12:08	220kV MAHARANI BAGH - SARITA VIHAR CKT	17-04-2014	13:07	AT GOPALPUR CKT. TRIPPED ON DIST. PROT. DIST. 2.3KMS. AT MANDOLA CKT. TRIPPED ON DIST. PROT. ZONE -2, DIST. 21.64KMS.
46	18-04-2014	05:11	220kV GOPALPUR- MANDOLACKT-I	18-04-2014	10:38	66KV I/C-I TRIPPED ON E/F, 86, 295 RELAY
47	20-04-2014	06:28	KANJHAWALA 220/66kV 100MVA Tx-I	20-04-2014	06:31	66KV I/C-II TRIPPED ON E/F, 86, 295 RELAY
48	20-04-2014	06:28	KANJHAWALA 220/66kV 100MVA Tx-II	20-04-2014	06:31	TR. TRIPPED ON BACKUP PROT. MASTER RELAY 86
49	21-04-2014	12:00	NAJAFGARH 66/11kV, 20MVA Tx-I			CKT. TRIPPED WHILE TRIPPING OF 66KV I/C-II
50	21-04-2014	15:15	SARITA VIHAR 66kV DMRC CKT-II	23-04-2014	16:37	SUPPLY FAIL WHILE TRIPPING OF 66KV I/C-II AT SARITA VIHAR
51	21-04-2014	15:15	SARITA VIHAR 66/11kV, 20MVA Tx-II	21-04-2014	17:50	CKT. TRIPPED ON 86, 186
52	21-04-2014	15:15	SARITA VIHAR 66kV DMRC CKT-I	21-04-2014	16:31	CKT. TRIPPED ON 186 A&B
53	23-04-2014	09:48	220kV BAMNAULI-PAPPANKALAN-II CKT-II	23-04-2014	09:57	AT BAMNAULI CKT. TRIPPED ON BACKUP PROT. 86BU AT PAPANALAN-II NOT TRIPPING
54	24-04-2014	10:08	220kV BAMNAULI-PAPPANKALAN-II CKT-II	24-04-2014	10:13	AT BAMNAULI CKT. TRIPPED ON DUE TO SPS PROT. AT PAPANALAN-II NO TRIPPING
55	24-04-2014	10:17	220kV BAMNAULI-PAPPANKALAN-II CKT-II	24-04-2014	10:18	TR. TRIPPED WITHOUT INDICATION
56	24-04-2014	14:50	PATPARGANJ 220/33kV 100MVA Tx-I	24-04-2014	14:54	

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
57	25-04-2014	08:38	MEHRAULI 220/66kV 160MVA Tx-I	25-04-2014	14:23	TR. TRIPPED ON REFHV, 186
58	25-04-2014	08:38	220kV MEHRAULI - VASANT KUNJ CKT.- II	25-04-2014	09:07	AT MEHRAULI CKT. TRIPPED ON DIST PROT. 186A&B, 295C AT VASANT KUNJ ONLY SUPPLY FAIL NO TRIPPING
59	25-04-2014	08:38	220kV MEHRAULI - VASANT KUNJ CKT.-I	25-04-2014	09:07	AT MEHRAULI CKT. TRIPPED ON DIST PROT. 186A&B AT VASANT KUNJ ONLY SUPPLY FAIL NO TRIPPING
60	25-04-2014	09:46	220kV BAMNAULI-PAPPANKALAN-II CKT-II	25-04-2014	09:48	CKT. TRIPPED ON SPS
61	26-04-2014	11:59	220kV OKHLA - BTPS CKT. - II	26-04-2014	13:01	AT BTPS CKT. TRIPPED ON B PHASE, E/F, DIST PROT. 2.7KM AT OKHLA NO TRIPPING
62	26-04-2014	12:58	220kV GOPALPUR- MANDOLACKT-I	26-04-2014	13:45	AT GOPALPUR CKT. TRIPPED ON R,Y,B PHASE ZONE-I, DIST PROT. 0.2KMS AT MANDOLA CKT. TRIPPED ON R PHASE ZONE-I, DIST. PROT., DIST. 19.67KMS.
63	27-04-2014	13:19	220kV MEHRAULI - VASANT KUNJ CKT.-I	27-04-2014	14:54	AT MEHRAULI CKT TRIPPED ON D/P,Z-1,186 A&B. NO TRIPPING AT VASANT KUNJ.
64	27-04-2014	13:19	MEHRAULI 220/66kV 160MVA Tx-I	27-04-2014	16:30	TX TRIPPED ON REF HV SIDE,186.
65	27-04-2014	21:35	PATPARGANJ 33/11kV, 20MVA Tx	28-04-2014	03:50	TX TRIPPED ON 86,DIFFERENTIAL.Y-PHASE CABLE OF 11KV I/C FOUND FAULTY. TX CHARGED AFTER REMOVING FAULTY CABLE.
66	28-04-2014	12:27	220kV PRAGATI - SARITA VIHAR CKT	28-04-2014	12:45	AT SARITA VIHAR CKT TRIPPED ON D/P,Z-1,AB&C-PHASE,AUTO RE-CLOSE,186A&B, DIST-2.25KM. AT PRAGATI CKT TRIPPED ON D/P,Z-2.
67	28-04-2014	13:14	220kV BAWANA-SHALIMARBAGH CKT-I	28-04-2014	17:21	AT BAWANA CKT TRIPPED ON D/P,Z-1,A-PHASE,AUTO RE-CLOSE,186A&B. NO TRIPPING OCCURED AT SHALIMARBAGH.
68	28-04-2014	13:37	220kV GOPALPUR- MANDOLACKT-I	28-04-2014	14:46	AT GOPALPUR CKT TRIPPED ON D/P,Z-1,R&Y-PHASE,186A&B. AT MANDOLA CKT TRIPPED ON D/P,Z-1,186A&B,DIST-19KM.
69	28-04-2014	13:45	220kV MEHRAULI - VASANT KUNJ CKT.-I	28-04-2014	20:10	AT MEHRAULI CKT TRIPPED ON D/P,Z-1,A-PHASE.NO TRIPPING OCCURRED AT VASANTKUNJ.
70	28-04-2014	19:30	220kV BAMNAULI-PAPPANKALAN-I CKT-I	29-04-2014	16:35	AT PPK-1 CKT TRIPPED ON BACKUP PROT., AUTO RE-CLOSE LOCKOUT,67N. NO TRIPPING AT BAMNAULI. B-PHASE JUMPER DISCONNECT AT TENSION TOWER NO-44.
71	29-04-2014	07:23	PAPPANKALAN-II 66kV G-5 MATIALA CKT	30-04-2014	18:33	CKT TRIPPED ON E/F,86. EARTH STRIP DAMAGED AT PPK-2.
72	29-04-2014	07:24	220kV BAMNAULI-PAPPANKALAN-II CKT-I	29-04-2014	07:39	AT BAMNAULI CKT TRIPPED ON D/P,A-PHASE,186A&B. NO TRIPPING AT PPK-2.
73	29-04-2014	11:34	220kV DIAL- MEHRAULI CKT-II	29-04-2014	12:20	AT DIAL CKT TRIPPED ON D/P,Z-1,REF FUSE FAIL. AT MEHRAULI CKT TRIPPED ON D/P,B-PH,186.
74	29-04-2014	12:40	220kV PRAGATI - SARITA VIHAR CKT	29-04-2014	12:50	AT PRAGATI CKT TRIPPED ON D/P,Z-1,186. AT SARITA VIHAR CKT TRIPPED ON D/P,Z-1,DIST-2.809 KM,186A&B .
75	29-04-2014	12:54	220kV PRAGATI - SARITA VIHAR CKT	29-04-2014	23:03	AT PRAGATI CKT TRIPPED ON D/P,Z-1,AB&C-PH,DIST-2.789 KM A/R,186A&B. AT SARITA VIHAR CKT TRIPPED ON D/P,Z-1,186A&B. CONDUCTOR FOUND HANGING B/W TOWER NO 30&31.
76	29-04-2014	13:25	220kV OKHLA - BTPS CKT. - II	29-04-2014	13:55	AT BTPS CKT TRIPPED ON D/P,Z-1,B-PH,DIST-03 KM. NO TRIPPING AT OKHLA.
77	29-04-2014	20:18	NAJAFGARH 220/66kV 100MVA Tx-III	29-04-2014	20:36	66KV I/C-3 TRIPPED ON O/C,51CX.
78	29-04-2014	20:18	NAJAFGARH 66kV PASCHIM VIHAR CKT-II (BODHELA-II CKT-II)	30-04-2014	18:05	B-PHASE CT OF CKT DAMAGED.
79	29-04-2014	20:18	NAJAFGARH 220/66kV 100MVA Tx-I	29-04-2014	23:20	TX TRIPPED ON REF.
80	30-04-2014	07:20	WAZIRABAD 220/66kV 100MVA Tx-I	30-04-2014	07:40	66KV I/C-1 TRIPPED ON E/F

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
81	30-04-2014	07:20	WAZIRABAD 220/66kV 100MVA Tx-II	30-04-2014	09:08	TX TRIPPED ON PRV LOW OIL ALARM.
82	30-04-2014	10:41	400kV Mundka-Jhatikara Ckt-II	30-04-2014	11:00	AT MUNDKA CKT TRIPPED ON CHANNEL-1&2. POLE DISCREPANCY APPEAR AT CB NO-404. CVT AVAILABLE AT MUNDKA.
83	30-04-2014	10:41	400kV Mundka-Jhatikara Ckt-I	30-04-2014	18:52	AT MUNDKA CKT TRIPPED ON D/P,Z-1,B-PH,A/R,DIST-9.3KM. AT JHATIKARA CKT TRIPPED ON D/P,Z-1,B-PH,A/R,DIST-15KM. CLOTH FOUND HANGING AT TOWER NO-142.
84	30-04-2014	11:41	220kV GOPALPUR- MANDOLACKT-II	30-04-2014	17:21	AT MDL CKT TRIPPED ON D/P,Z-1,Y&B-PH,DIST-13.7KM. NO TRIPPING AT GOPALPUR.
85	30-04-2014	11:45	220kV BAMNAULI-PAPPANKALAN-II CKT-I	30-04-2014	12:32	AT BAMNAULI CKT TRIPPED ON D/P,B&C-PH,186A&B. AT PPK-2 CKT TRIPPED ON D/P,B&C-PH.
86	30-04-2014	11:50	220kV MEHRAULI - BTPS CKT. - I	30-04-2014	12:13	AT MEHRAULI CKT TRIPPED ON D/P,Z-2,AB&C-PH,DIST-16.72 KM. AT BTPS CKT TRIPPED ON D/P,Z-2,AB&C-PH,DIST-0KM.
87	30-04-2014	12:55	LODHI RD 33/11kV, 20MVA Tx-I	30-04-2014	17:45	TX TRIPPED ON AUX RELAY,86.
88	30-04-2014	18:24	NAJAFGARH 66kV PASCHIM VIHAR CKT-I (BODHELA-II CKT-I)	30-04-2014	21:05	D/P,Z-1,2&3,RY&B-PH RELAY APPEARED BUT CKT DID NOT TRIP. CKT MADE OFF FOR CHECKING THE RELAY.
89	30-04-2014	19:03	PAPPANKALAN-I 66kV G-2 PPK CKT-II	01-05-2014	19:01	CKT TRIPPED ON D/P,Z-1,Y-PH . B-PH CT DAMAGED.
90	30-04-2014	19:03	PAPPANKALAN-I 220/66kV 100MVA Tx-IV	30-04-2014	19:40	TX TRIPPED ON 86B.
91	30-04-2014	19:03	220kV BAMNAULI-PAPPANKALAN-I CKT-II	30-04-2014	19:15	AT BAMNAULI CKT TRIPPED ON D/P. NO TRIPPING AT PPK-1.
92	30-04-2014	19:03	220kV BAMNAULI-PAPPANKALAN-I CKT-I	30-04-2014	19:15	AT BAMNAULI CKT TRIPPED ON D/P. NO TRIPPING AT PPK-1.

**20 DETAILS OF UNDER FREQUENCY RELAY OPERATIONS IN DELHI POWER SYSTEM DURING THE MONTH OF APRIL 2014**

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