

DELHI TRANSCO LTD.

STATE LOAD DISPATCH CENTER

PROGRESS REPORT

MAY 2014

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SALIENT FEATURES OF DELHI POWER SYSTEM

Sr. No.	Features	MAY 2013	MAY 2014
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	1372
	TOWMCL	16	16
	Total	2249	2936
2	Maximum Unrestricted Demand (MW)	5315	5358
	Date	27.05.2013	30.05.2014
	Time	15.29.47	15.41.31
3	Peak Demand met (MW)	5315	5338
	Date	27.05.2013	30.05.2014
	Time	15.29.47	15.41.31
4	Peak Availability (MW)	5364	5152
5	Shortage (-) / Surplus (+) in MW	(+)49	(-186)
6	Percentage Shortage (-) / Surplus (+)	(+) 0.92	(-) 3.48
7	Maximum Energy Consume in a day (Mus)	98.436	103.827
8	Energy Consumed during the month	2674.535	2768.973
9	Load Shedding in Mus		
A)	Due to Grid Restrictions		
i)	Under Frequency Relay Operations	0.028	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 / Grid code Regulation Deviation		
	NDPL	0.206	0.231
	BRPL	0.748	1.266
	BYPL	0.085	0.402
	NDMC	0.007	0.000
	MES	0.000	0.000
iv)	Due to transmission Constraints in Central Sector	0.179	0.165
	Total due to Grid Restriction	1.253	2.064
B)	Due to Constraints in System in Mus		
	DTL	3.907	14.636
	NDPL	0.341	1.635
	BRPL	1.673	2.392
	BYPL	0.630	0.868
	NDMC	0.000	0.000
	MES	0.000	0.000
	Other Agencies	0.396	0.960
	Total	6.997	20.491
11	Grand Total in Mus	8.250	22.555

2. PERFORMANCE OF GENERATING STATIONS WITHIN DELHI DURING MAY 2014

A) For the month of May 2014

All Figures in MUs

S. No	Stations	Gross Generation	Aux. Consumption	Net Generation	Availability (%)	Backing Down
1.	RPH	64.382	8.963	55.419	72.13	8.147
2.	GT	91.679	3.620	88.059	51.72	13.019
3.	PPCL	86.003	2.003	84.000	35.53	0.411
4.	BTPS	370.927	40.833	330.094	90.11	98.155
5.	Rithala	0.000	0.062	-0.062	89.17	61.008
6.	Bawana	48.207	3.474	44.733	105.20	927.477
7.	Towmcl	12.922	1.831	11.091	--	--
	TOTAL	674.12	60.786	613.334	--	1108.217

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

Power Station	Effective Capacity (MW)	Net Generation in MUs for May 2014	Availability (%) for May 2014	PLF (%) for May 2014	Cumulative Generation in MUs upto May 2014 for the year 2014-15	Cumulative Availability in % upto May 2014 for the year 2014-15	Cumulative PLF in % upto May 2014 for the year 2014-15
RPH	135	55.419	72.13	62.98	87.637	77.03	50.23
GT	270	88.059	51.72	45.04	162.566	55.99	42.20
PPCL	330	84.000	35.53	35.36	192.658	42.97	41.22
BTPS	705	330.094	90.11	69.43	568.373	84.94	60.99
Rithala	108	-0.062	89.17	0.00	-0.112	89.17	0.00
Bawana	902	44.733	105.20	4.80	47.351	102.56	258
Towmcl	16	11.091	--	108.55	22.564	--	--
TOTAL	2466	613.334	--	--	1081.037	--	--

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
		04.05.14	10.35	07.05.14	03.10	Boiler tube leakage
		07.05.14	15.35	07.05.14	16.20	Loss of fuel
		07.05.14	16.40	07.05.14	19.25	Loss of fuel
		10.05.14	22.30	10.05.14	23.20	Flame failure
		13.05.14	10.45	14.05.14	15.10	Stopped due to low demand and high frequency
		14.05.14	15.40	14.05.14	16.25	Drum level low
		14.05.14	17.30	14.05.14	17.55	Excitation failure
		22.05.14	09.20	22.05.14	10.45	Turbine trip
		22.05.14	22.25	23.05.14	00.50	Flame failure
		23.05.14	22.30	24.05.14	00.00	Turbine trip
		24.05.14	00.50	24.05.14	01.20	Furnance pressure very high
		30.05.14	16.55	31.05.14	00.00	Unit tripped due to grid disturbance
31.05.14	00.15	31.05.14	02.30	Drum level low		

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	05.05.14	01.25	Desynchronized on ETD due to fire hazard at boiler corder no. 4
		14.05.14	18.45	17.05.14	17.50	Stopped due to low demand and high frequency
		30.05.14	16.55	30.05.14	23.30	Unit tripped due to grid disturbance

(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	
		04.05.14	10.05	04.05.14	13.45	Stopped due to LTTH High
		25.05.14	03.31	26.05.14	18.02	Stopped due to low demand and high frequency
		27.05.14	12.16	28.05.14	20.11	
		30.05.14	16.55	30.05.14	17.30	Machine came on FSNL due to grid disturbance.

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
2	30	01.02.14	17.00	31.05.14	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
		06.05.14	11.00	06.05.14	15.05	Stopped due to LTTH High
		06.05.14	15.15	06.05.14	17.30	
		07.05.14	10.46	07.05.14	19.31	Tripped on loss of flame
		12.05.14	17.21	12.05.14	18.05	
		13.05.14	00.22	13.05.14	00.54	Stopped due to low demand and high frequency
		13.05.14	20.25	22.05.14	12.10	
		25.05.14	00.58	25.05.14	01.26	
		30.05.14	16.55	30.05.14	17.25	

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
4	30	27.03.14	18.30	31.05.14	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	
		07.05.14	13.30	13.05.14	18.50	Machine tripped due to LTTH High . After that it is not available due to problem in Diesal engine.
		25.05.14	00.58	25.05.14	01.30	Due to trid disturbance machine came on FSNL
		30.05.14	16.55	30.05.14	19.15	

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	
		30.05.14	16.55	30.05.14	17.23	Due to trid disturbance machine came on FSNL

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 vibration 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 vibration 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	
		01.05.14	20.40	02.05.14	05.45	Machine manually tripped due to heavy abnormal sound in CEP
		04.05.14	10.10	04.05.14	15.30	G.T. stopped due to LTTH High, so STG stopped
		06.05.14	17.20	06.05.14	21.30	Machine tripped due to Oil pressure problem
		12.05.14	22.18	12.05.14	23.10	Tripped on Trip oil pressure very low
		14.05.14	12.05	14.05.14	14.58	Tripped on Class A relay and 40G relay operated
		25.05.14	00.58	25.05.14	03.30	Tripped due to grid disturbance
		25.05.14	03.30	25.05.14	21.30	machine under shutdown due to truning gear problem
		25.05.14	21.30	26.05.14	21.05	Stopped due to low demand and high frequency
		27.05.14	08.46	27.05.14	17.30	Machine tripped due to low vacuum
		27.05.14	17.30	28.05.14	23.52	Stopped due to low demand and high frequency
		29.05.14	09.20	29.05.14	10.07	Tripped on trip oil pressure very low
29.05.14	12.38	29.05.14	14.04			
30.05.14	16.55	30.05.14	19.05	Tripped due to grid disturbance		

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.
		06.05.14	11.05	06.05.14	23.59	G.T. stopped due to LTTH high, so STG stopped
		07.05.14	10.46	07.05.14	23.10	
		12.05.14	17.22	12.05.14	19.05	Tripped due to tripping of G.T. (machine running on single G.T.)
		13.05.14	00.22	13.05.14	01.40	
		13.05.14	20.25	22.05.14	15.50	Stopped due to low demand and high frequency
		25.05.14	00.58	25.05.14	02.05	Tripped due to grid disturbance
		30.05.14	00.01	30.05.14	23.56	Machine not available due to non availability of DC EOP

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	
		10.05.14	17.45	10.05.14	19.08	Machine tripped due to card malfunction
		25.05.14	00.58	25.05.14	02.15	Machine tripped due to grid disturbance
		30.05.14	16.55	30.05.14	18.25	

(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	31.05.14	23.59	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
		02.05.14	15.29	02.05.14	16.59	Tripped on internal fault
		04.05.14	15.37	04.05.14	16.39	
		25.05.14	00.58	25.05.14	02.50	Tripped due to grid disturbance

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	19.05.14	02.43	STG stopped for bearing inspection and condenser chemical cleaning.
		25.05.14	00.58	25.05.14	03.53	Tripped due to grid disturbance
		27.05.14	10.00	27.05.14	11.18	Tripped on internal fault
		30.05.14	16.56	30.05.14	18.12	Tripped due to grid disturbance

(D) **BADARPUR THERMAL POWER STATION**

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	95	14.05.14	17.37	19.05.14	09.36	Stopped due to low demand and high frequency
		30.05.14	17.08	30.05.14	19.17	Tripped due to grid disturbance

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
		03.05.14	17.41	03.05.14	18.58	Tripped due to grid disturbance
		04.05.14	20.51	05.05.14	00.16	AVR & Excitation system
		22.05.14	09.27	31.05.14	12.13	CW Pum pit cleaning

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
3	95	11.03.14	21.15	01.05.14	13.55	Stopped due to low demand and high frequency
		03.05.14	17.41	03.05.14	19.43	Tripped due to grid disturbance
		10.05.14	15.55	11.05.14	17.22	Water wall leakage (Screentube LHS)
		30.05.14	17.08	30.05.14	20.05	Tripped due to grid disturbance
		30.05.14	21.22	30.05.14	22.41	AVR & Excitation system
		30.05.14	23.53	30.05.14	23.59	

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	01.05.14	21.00	Economizer Tube leakage
		01.05.14	21.00	05.05.14	11.13	Tripped due to grid disturbance
		25.05.14	20.26	28.05.14	07.55	Reheater tube leakage
		30.05.14	17.08	30.05.14	22.08	Tripped due to grid disturbance

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
		12.05.14	04.02	14.05.14	08.27	APH Outlet deflectors 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	31.05.14	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
		08.05.14	18.55	22.05.14	15.59	Stopped due to low demand and high frequency
		23.05.14	18.26	31.05.14	23.59	

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	31.05.14	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	23.05.14	00.30	Stopped due to low demand and high frequency
		23.05.14	18.28			

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG-2	254	27.03.14	00.00	31.05.14	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	31.05.14	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	31.05.14	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	31.05.14	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)
<u>NTPC STATIONS</u>							
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
TOTAL	9782	1302	2306	2016	0	0	2016
<u>NHPC</u>							
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
TOTAL	3875	256	454	431	0	0	431
<u>NPC</u>							
Narora APS	440	64	47	41	0	0	41
RAPP (C)	440	64	56	49	0	0	49
TOTAL	880	128	103	89	0	0	89
<u>SVJNL</u>							
Nathpa Jhakri HEP	1500	149	142	135	0	0	135
<u>THDC</u>							
Tehri Hydro	1000	99	103	98	0	0	98
Koteshwar HEP	400	40	39	37	0	0	37
TOTAL	1400	139	142	135	0	0	135
Total	17437	1974	3147	2807	0	0	2807
<u>Allocation from ER and Tala HEP</u>							
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
Total ER	5960	153	261	217	0	0	217
<u>Joint Venture</u>							
Jhajjar TPS	1500	114	377	338	0	0	338
Ultra Mega Projects							
Sasan	1320	0	149	128	0	0	128
Grand Total	26217	2241	3933	3491	0	0	3491

5 ALLOCATION OF POWER TO DISCOMS

A) 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 MAY 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	22:51:06	53	135	89	0	216	13	368	874	3526	3505	21	4400	25	4425
2	15:22:46	52	133	84	0	221	15	347	852	3863	3667	196	4715	0	4715
3	15:15:59	53	139	86	0	255	16	385	934	3386	3365	21	4320	15	4335
4	23:20:31	0	143	93	0	220	14	295	765	3626	3372	254	4391	4	4395
5	15:31:02	49	140	90	0	215	14	555	1063	3449	3434	15	4512	0	4512
6	15:21:20	51	113	92	0	218	16	483	973	3441	3417	24	4414	0	4414
7	15:05:17	103	67	90	0	220	15	508	1003	3578	3432	146	4581	0	4581
8	15:05:41	111	97	88	0	221	13	502	1032	3705	3564	141	4737	0	4737
9	15:39:56	110	100	89	0	-4	16	521	832	3595	3650	-55	4427	0	4427
10	0:00:32	114	104	94	0	-5	16	481	804	3472	3183	289	4276	0	4276
11	23:11:02	108	104	96	0	-3	16	513	834	3146	3138	8	3980	0	3980
12	12:35:50	112	99	93	0	-4	12	350	662	3357	3264	93	4019	0	4019
13	0:00:58	112	105	98	0	-2	16	359	688	3179	3032	147	3867	0	3867
14	19:56:49	48	113	96	0	-1	16	429	701	2939	2806	133	3640	0	3640
15	22:53:56	56	110	94	0	-3	16	427	700	3167	2985	182	3867	0	3867
16	15:31:48	57	103	87	0	-3	4	435	683	3494	3585	-91	4177	0	4177
17	23:06:07	55	109	91	0	-3	15	439	706	3321	3240	81	4027	21	4048
18	23:08:28	56	108	91	0	-3	14	436	702	3377	3319	58	4079	0	4079
19	15:01:47	58	103	130	0	-2	14	499	802	3466	3598	-132	4268	0	4268
20	15:38:49	109	102	133	0	-3	15	482	838	3558	3562	-4	4396	0	4396
21	15:13:01	107	103	132	0	-3	17	495	851	3661	3573	88	4512	5	4517
22	16:06:53	109	134	130	0	26	16	533	948	3734	3864	-130	4682	0	4682
23	15:15:39	99	128	129	0	224	2	488	1070	3838	3730	108	4908	18	4926
24	15:57:00	80	136	133	0	-14	16	439	790	3687	3646	41	4477	0	4477
25	0:00:19	87	146	142	0	-5	16	442	828	3476	3416	60	4304	0	4304
26	23:09:58	84	144	142	0	-5	15	341	721	3685	3568	117	4406	38	4444
27	22:58:33	85	112	141	0	-5	17	334	684	3952	3779	173	4636	27	4663
28	22:45:04	86	133	138	0	-5	16	519	887	4017	3917	100	4904	5	4909
29	22:32:37	91	140	137	0	-2	14	528	908	4064	4007	57	4972	103	5075
30	15:41:31	89	121	129	0	-3	16	517	869	4469	4283	186	5338	20	5358
31	16:02:22	95	135	133	0	-3	14	528	902	3414	3593	-179	4316	183	4499

7 **POWER AVAILABILITY- DEMAND POSITION AT THE TIME OF MAXIMUM UNRESTRICTED DEMAND DURING MAY 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	22:51:06	53	135	89	0	216	13	368	874	3526	3505	21	4400	25	4425
2	16:30:00	42	134	0	0	218	17	364	775	3809	3702	107	4584	141	4725
3	15:15:59	53	139	86	0	255	16	385	934	3386	3365	21	4320	15	4335
4	23:20:31	0	143	93	0	220	14	295	765	3626	3372	254	4391	4	4395
5	15:31:02	49	140	90	0	215	14	555	1063	3449	3434	15	4512	0	4512
6	15:21:20	51	113	92	0	218	16	483	973	3441	3417	24	4414	0	4414
7	15:05:17	103	67	90	0	220	15	508	1003	3578	3432	146	4581	0	4581
8	15:05:41	111	97	88	0	221	13	502	1032	3705	3564	141	4737	0	4737
9	15:39:56	110	100	89	0	-4	16	521	832	3595	3650	-55	4427	0	4427
10	0:00:32	114	104	94	0	-5	16	481	804	3472	3183	289	4276	0	4276
11	23:11:02	108	104	96	0	-3	16	513	834	3146	3138	8	3980	0	3980
12	12:35:50	112	99	93	0	-4	12	350	662	3357	3264	93	4019	0	4019
13	0:00:58	112	105	98	0	-2	16	359	688	3179	3032	147	3867	0	3867
14	19:56:49	48	113	96	0	-1	16	429	701	2939	2806	133	3640	0	3640
15	15:00:00	56	107	91	0	-2	15	435	702	3070	2946	124	3773	67	3918
16	15:31:48	57	103	87	0	-3	4	435	683	3494	3585	-91	4177	0	4177
17	23:06:07	55	109	91	0	-3	15	439	706	3321	3240	81	4027	21	4048
18	23:08:28	56	108	91	0	-3	14	436	702	3377	3319	58	4079	0	4079
19	15:01:47	58	103	130	0	-2	14	499	802	3466	3598	-132	4268	0	4268
20	15:38:49	109	102	133	0	-3	15	482	838	3558	3562	-4	4396	0	4396
21	15:13:01	107	103	132	0	-3	17	495	851	3661	3573	88	4512	5	4517
22	16:06:53	109	134	130	0	26	16	533	948	3734	3864	-130	4682	0	4682
23	15:15:39	99	128	129	0	224	2	488	1070	3838	3730	108	4908	18	4926
24	15:57:00	80	136	133	0	-14	16	439	790	3687	3646	41	4477	0	4477
25	0:00:19	87	146	142	0	-5	16	442	828	3476	3416	60	4304	0	4304
26	23:09:58	84	144	142	0	-5	15	341	721	3685	3568	117	4406	38	4444
27	22:58:33	85	112	141	0	-5	17	334	684	3952	3779	173	4636	27	4663
28	22:45:04	86	133	138	0	-5	16	519	887	4017	3917	100	4904	5	4909
29	22:32:37	91	140	137	0	-2	14	528	908	4064	4007	57	4972	103	5075
30	15:41:31	89	121	129	0	-3	16	517	869	4469	4283	186	5338	20	5358
31	15:30:00	96	134	133	0	-3	14	520	894	3356	3522	-166	4250	289	4539

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

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

A (i) RPH	64.382
(ii) GT+STG	91.679
(iii) PRAGATI	86.003
(iv) RITHALA	0.000
(v) BAWANA CCGT	48.207
(vi) Timarpur – Okhla	12.922
TOTAL	303.193
B) AVAILABILITY FROM BTPS	330.092
C) AUXILIARY CONSUMPTION OF GENERATING STNs. EXCLUDING BTPS	19.953
D) NET GENERATION AVAILABLE WITHIN DELHI(A+B-C)	613.332

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	13.506	13.100	13.506	13.100
SALAL	54.300	52.661	54.255	52.619
SASAN	99.967	96.938	99.932	96.904
TANKAPUR	3.113	3.019	3.109	3.015
CHAMERA	28.659	27.797	28.659	27.797
CHAMERA -II	27.826	26.985	27.826	26.985
CHAMERA -III	17.355	16.829	17.355	16.829
DHAULIGANGA	10.349	10.037	10.349	10.037
SEWA -2	12.083	11.719	12.083	11.719
URI	39.015	37.840	39.015	37.840
URI-II	23.860	23.141	23.860	23.141
KOTESHWAR	10.933	10.606	10.936	10.609
PARBATI3	8.079	7.835	8.046	7.803
RAMPUR	0.000	0.000	0.000	0.000
MUNDRA_UMPP	0.000	0.000	0.000	0.000
ANTA (GAS)	7.281	7.057	4.593	4.451
ANTA (RLNG)	22.491	21.816	0.000	0.000
ANTA (LIQUID)	0.590	0.574	0.000	0.000
DADRI (GAS)	25.416	24.652	8.122	7.875
DADRI (RLNG)	39.925	38.720	0.254	0.246
DADRI (LIQUID)	0.009	0.009	0.000	0.000
AURAIYA (GAS)	14.182	13.756	4.268	4.139
AURAIYA (RLNG)	28.061	27.219	0.000	0.000
AURAIYA (LIQUID)	0.005	0.005	0.000	0.000
SINGRAULI	92.860	90.057	90.494	87.765
RIHAND -I	62.299	60.423	57.836	56.096
RIHAND -II	81.316	78.874	76.259	73.971
RIHAND -III	76.429	74.113	72.335	70.147
UNCHAHAR-I	17.196	16.678	8.649	8.388
UNCHAHAR-II	25.947	25.163	12.280	11.908
UNCHAHAR-III	20.777	20.151	10.864	10.536
DADRI (TH)	538.698	522.468	419.376	406.710
DADRI (TH) STAGE-II	544.457	528.051	426.890	414.003
NAPP	11.814	11.458	11.791	11.436
RAPP 'B'	0.000	0.000	0.000	0.000
RAPP 'C'	27.551	26.722	27.551	26.722
NATHPA JHAKRI	71.067	68.915	51.501	49.941
DULASTI	36.993	35.878	36.993	35.878
TEHRI	22.035	21.378	22.035	21.378
JHAJJAR	124.942	121.112	17.558	17.026
KHELGAON	27.420	26.593	21.710	21.053
KHELGAON-II	108.376	105.112	90.852	88.110
FARAKA	13.311	12.910	12.103	11.738
TALA	6.021	5.836	5.851	5.671
TALCHER	0.000	0.000	0.000	0.000
DVC	184.690	182.799	182.799	177.285

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	0.000	0.000	0.000	0.000
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	186.762	184.848	184.848	179.289
DVC MEJIA (LT-08)(BYPL)	0.000	0.000	0.000	0.000
URS	0.000	0.000	0.000	0.000
JAMMU & KASHMIR	228.925	225.972	225.972	219.149
HIMACHAL PRADESH	73.195	72.239	72.239	70.034
MEGHALAYA	27.613	27.163	27.163	26.336
MADHYA PRADESH	5.181	5.080	5.080	4.919
JHARKHAND	7.604	7.549	7.549	7.322
DVC (FOR NDPL) LT-09	9.765	9.664	9.664	9.374
HARYANA (LT-05)	8.650	8.535	8.535	8.270
UTTAR PRADESH	0.000	0.000	0.000	0.000
ORISSA	0.051	0.051	0.051	0.049
TO UTTAR PRADESH	-29.171	-29.729	-29.729	-30.596
TO JAMMU & KASHMIR	0.000	0.000	0.000	0.000
TO TAMILNADU	0.000	0.000	0.000	0.000
TO ANDHRA	-5.353	-5.452	-5.452	-5.612
POWER EXCHANGE(IEX)	14.877	14.426	14.877	14.426
TO POWER EXCHANGE (IEX)	-203.007	-208.932	-203.007	-208.932
POWRER EXCHANGE(PX)	0.000	0.000	0.000	0.000
TO POWER EXCHANGE (PX)	-12.471	-12.843	-12.471	-12.843
TO SHARE PROJECT (HARYANA)	-5.731	-5.887	-5.731	-5.887
TO SHARE PROJECT (PUNJAB)	-5.731	-5.887	-5.731	-5.887
TOTAL	2882.362	2793.802	2315.752	2230.283

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	1597.940	1549.785	1192.220	1156.236
NTPC - ER	149.107	144.614	124.665	120.900
NHPC	275.138	266.842	275.056	266.764
NPC	39.365	38.180	39.342	38.158
SASAN	99.967	96.938	99.932	96.904
KOTESHWAR	10.933	10.606	10.936	10.609
MUNDRA_UMPP	0.000	0.000	0.000	0.000
NATHPA JHAKRI	71.067	68.915	51.501	49.941
TEHRI	22.035	21.378	22.035	21.378
TALA	6.021	5.836	5.851	5.671
JHAJJAR	124.942	121.112	17.558	17.026
TALCHER	0.000	0.000	0.000	0.000
DVC	184.690	182.799	182.799	177.285
METHON POWER (NDPL)-LT-06	186.762	184.848	184.848	179.289
DVC MEJIA (LT-08)(BYPL)	0.000	0.000	0.000	0.000
URS	0.000	0.000	0.000	0.000
JAMMU & KASHMIR	228.925	225.972	225.972	219.149
HIMACHAL PRADESH	73.195	72.239	72.239	70.034
MEGHALAYA	27.613	27.163	27.163	26.336
MADHYA PRADESH(WR)	5.181	5.080	5.080	4.919
JHARKHAND	7.604	7.549	7.549	7.322
DVC (FOR NDPL) LT-09	9.765	9.664	9.664	9.374
HARYANA (LT -05)	8.650	8.535	8.535	8.270
UTTAR PRADESH	0.000	0.000	0.000	0.000
ORISSA	0.051	0.051	0.051	0.049
POWER EXCHANGE(IEX)	14.877	14.426	14.877	14.426
POWER EXCHANGE(PX)	0.000	0.000	0.000	0.000
TOTAL	3143.827	3062.532	2577.873	2500.039

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 MEGHALAYA	0.000	0.000	0.000	0.000
TO ORISSA	0.000	0.000	0.000	0.000
TO UTTAR PRADESH	-29.171	-29.729	-29.729	-30.596
TO JAMMU & KASHMIR	0.000	0.000	0.000	0.000
TO ANDHRA	-5.353	-5.452	-5.452	-5.612
TO TAMILNADU	0.000	0.000	0.000	0.000
TO MADHYA PRADESH	0.000	0.000	0.000	0.000
TO NEPAL	0.000	0.000	0.000	0.000
TO RAJASTHAN	0.000	0.000	0.000	0.000
TO MAHARASHTRA	0.000	0.000	0.000	0.000
TO UTTRANCHAL	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)	-203.007	-208.932	-203.007	-208.932
TO POWER EXCHANGE (PX)	-12.471	-12.843	-12.471	-12.843
TO SHARE PROJECT (HARYANA)	-5.731	-5.887	-5.731	-5.887
TO SHARE PROJECT (PUNJAB)	-5.731	-5.887	-5.731	-5.887
TOTAL	-261.464	-268.730	-262.121	-269.756
TOTAL SCHEDULED DRAWAL FROM THE GRID	2882.362	2793.802	2315.752	2230.283
TOTAL CONSUMPTION INCLUDING AUX. OF GENERATING STNs. EXCLUDING BTPS				2788.926
NET CONSUMPTION				2768.973
AVAILABILITY WITHIN DELHI				613.332
ACTUAL DRAWAL FROM THE GRID				2155.641
OVER DRAWAL(+)/UNDER DRAWAL(-) FROM THE GRID ON THE BASIS OF SCHEDULED ALLOCATION MADE BY NRLDC TO DELHI AT PERIPHERY				-74.642
LOAD SHEDDING				22.555
UNRESTRICTED DEMAND (GROSS)				2811.481
UNRESTRICTED DEMAND (NET)				2791.528
MAX. NET CONSUMPTION				103.827 ON 30.05.2014
MAX. LOAD SHEDDING				2907MW ON 30.05.2014 AT 18.30HRS.
PEAK LOAD	Peak Demand during the month			SHEDDING AT PEAK TIME
DAY PEAK	5338MW AT 15.41.31HRS ON 30.05.2014			20 MW
EVENING PEAK	4972MW AT 22.32.37HRS ON 29.05.2014			103 MW
P.L.F. OF GENCO AND PRAGATI STNs.	RPH			64.10%
	GT			45.64%
	PRAGATI			35.03%
	RITHALA			0.00%
	BAWANA			4.73%
	Timarpur Okhla			108.55%

SHEDDING DETAILS DURING THE MONTH OF MAY 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		
01-May-14	0	0.000	0.000	0.000	0.000	0.000	0.017	0.000	0.000	0.000
02-May-14	0	0.000	0.000	0.000	0.000	0.000	0.000	0.167	0.004	0.000
03-May-14	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
04-May-14	0	0.000	0.000	0.000	0.000	0.000	0.016	0.020	0.000	0.000
05-May-14	0	0.000	0.000	0.000	0.000	0.000	0.009	0.000	0.000	0.000
06-May-14	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
07-May-14	0	0.000	0.000	0.000	0.000	0.000	0.000	0.015	0.000	0.000
08-May-14	0	0.000	0.000	0.000	0.000	0.000	0.032	0.040	0.053	0.000
09-May-14	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10-May-14	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000
11-May-14	0	0.000	0.000	0.000	0.000	0.000	0.004	0.000	0.000	0.000
12-May-14	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
13-May-14	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14-May-14	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15-May-14	0	0.000	0.000	0.000	0.000	0.000	0.045	0.128	0.015	0.000
16-May-14	0	0.000	0.000	0.000	0.000	0.000	0.019	0.151	0.004	0.000
17-May-14	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.000
18-May-14	0	0.000	0.000	0.000	0.000	0.000	0.061	0.207	0.000	0.000
19-May-14	0	0.000	0.000	0.000	0.000	0.000	0.000	0.147	0.083	0.000
20-May-14	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
21-May-14	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22-May-14	0	0.000	0.000	0.000	0.000	0.000	0.000	0.032	0.000	0.000
23-May-14	0	0.000	0.000	0.000	0.000	0.000	0.000	0.060	0.000	0.000
24-May-14	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25-May-14	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
26-May-14	0	0.000	0.000	0.000	0.000	0.000	0.016	0.074	0.007	0.000
27-May-14	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
28-May-14	0	0.000	0.000	0.000	0.000	0.000	0.164	0.130	0.051	0.000
29-May-14	0	0.000	0.000	0.000	0.000	0.000	0.019	0.042	0.000	0.000
30-May-14	0	0.000	0.000	0.000	0.000	0.000	0.000	0.053	0.000	0.000
31-May-14	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TOTAL	0	0.000	0.000	0.000	0.000	0.000	0.402	1.266	0.231	0.000

Date	Grid Restrictions TTC/ATC Violation to Restrict over drawal				Due to New Grid code regulation Deviation		
	BSES		NDPL	NDMC	BSES		NDPL
	BRPL	BYPL			BRPL	BYPL	
01-May-14	0.000	0.000	0.000	0.000	0.000	0.000	0.000
02-May-14	0.000	0.000	0.000	0.000	0.000	0.000	0.000
03-May-14	0.000	0.000	0.000	0.000	0.000	0.000	0.000
04-May-14	0.000	0.000	0.000	0.000	0.000	0.000	0.000
05-May-14	0.000	0.000	0.000	0.000	0.000	0.000	0.000
06-May-14	0.000	0.000	0.000	0.000	0.000	0.000	0.000
07-May-14	0.000	0.000	0.000	0.000	0.000	0.000	0.000
08-May-14	0.000	0.000	0.000	0.000	0.000	0.000	0.000
09-May-14	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10-May-14	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11-May-14	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12-May-14	0.000	0.000	0.000	0.000	0.000	0.000	0.000
13-May-14	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14-May-14	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15-May-14	0.000	0.000	0.000	0.000	0.000	0.000	0.000
16-May-14	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17-May-14	0.000	0.000	0.000	0.000	0.000	0.000	0.000
18-May-14	0.000	0.000	0.000	0.000	0.000	0.000	0.000
19-May-14	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20-May-14	0.000	0.000	0.000	0.000	0.000	0.000	0.000
21-May-14	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22-May-14	0.000	0.000	0.000	0.000	0.000	0.000	0.000
23-May-14	0.000	0.000	0.000	0.000	0.000	0.000	0.000
24-May-14	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25-May-14	0.000	0.000	0.000	0.000	0.000	0.000	0.000
26-May-14	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27-May-14	0.000	0.000	0.000	0.000	0.000	0.000	0.000
28-May-14	0.000	0.000	0.000	0.000	0.000	0.000	0.000
29-May-14	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30-May-14	0.000	0.000	0.000	0.000	0.000	0.000	0.000
31-May-14	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TOTAL	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Date	Shedding due to Transmission/Grid Constraints in Central Sector Stations				TOTAL	TOTAL SHEDDING DUE TO GRID RESTRICTIONS	Due to T&D Constraints				
	BSES		NDPL	NDMC			DTL				
	BYPL	BRPL					BSES		NDPL	NDMC	MES
01-May-14	0.000	0.000	0.000	0.000	0.017	0.017	0.019	0.059			
02-May-14	0.000	0.000	0.000	0.000	0.171	0.171	0.271	0.000	0.000	0.000	0.000
03-May-14	0.000	0.000	0.000	0.000	0.000	0.000	0.015	0.003	0.000	0.000	0.000
04-May-14	0.000	0.000	0.000	0.000	0.036	0.036	0.051	0.018	0.002	0.000	0.000
05-May-14	0.000	0.000	0.000	0.000	0.009	0.009	0.001	0.008	0.000	0.000	0.000
06-May-14	0.000	0.000	0.000	0.000	0.000	0.000	0.009	0.000	0.001	0.000	0.000
07-May-14	0.000	0.000	0.000	0.000	0.015	0.015	0.000	0.015	0.008	0.000	0.000
08-May-14	0.000	0.000	0.000	0.000	0.125	0.125	0.093	0.042	0.161	0.000	0.000
09-May-14	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10-May-14	0.000	0.000	0.000	0.000	0.010	0.010	0.000	0.062	0.016	0.000	0.000
11-May-14	0.000	0.000	0.000	0.000	0.004	0.004	0.000	0.000	0.000	0.000	0.000
12-May-14	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	0.000
13-May-14	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14-May-14	0.000	0.000	0.000	0.000	0.000	0.000	0.008	0.000	0.007	0.000	0.000
15-May-14	0.000	0.000	0.000	0.000	0.188	0.188	0.000	0.018	0.000	0.000	0.000
16-May-14	0.000	0.005	0.000	0.000	0.179	0.179	0.000	0.000	0.000	0.000	0.000
17-May-14	0.000	0.000	0.000	0.000	0.004	0.004	0.008	0.027	0.001	0.000	0.000
18-May-14	0.000	0.000	0.000	0.000	0.268	0.268	0.019	0.034	0.000	0.000	0.000
19-May-14	0.000	0.000	0.000	0.000	0.230	0.230	0.007	0.000	0.000	0.000	0.000
20-May-14	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.011	0.000	0.000
21-May-14	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22-May-14	0.000	0.000	0.000	0.000	0.032	0.032	0.000	0.000	0.000	0.000	0.000
23-May-14	0.000	0.000	0.000	0.000	0.060	0.060	0.001	0.201	0.032	0.000	0.000
24-May-14	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.022	0.000	0.000
25-May-14	0.000	0.000	0.000	0.000	0.000	0.000	0.045	0.000	0.000	0.000	0.000
26-May-14	0.000	0.000	0.000	0.000	0.097	0.097	0.000	0.000	0.030	0.000	0.000
27-May-14	0.124	0.000	0.036	0.000	0.160	0.160	0.006	0.001	0.007	0.000	0.000
28-May-14	0.000	0.000	0.000	0.000	0.345	0.345	0.000	0.005	0.000	0.000	0.000
29-May-14	0.000	0.000	0.000	0.000	0.061	0.061	0.024	0.136	0.018	0.000	0.000
30-May-14	0.000	0.000	0.000	0.000	0.053	0.053	3.096	3.037	2.816	0.000	0.000
31-May-14	0.000	0.000	0.000	0.000	0.000	0.000	0.491	3.436	0.234	0.000	0.000
TOTAL	0.124	0.005	0.036	0.000	2.064	2.064	4.164	7.102	3.370	0.000	0.000

ALL FIGURES IN MUS

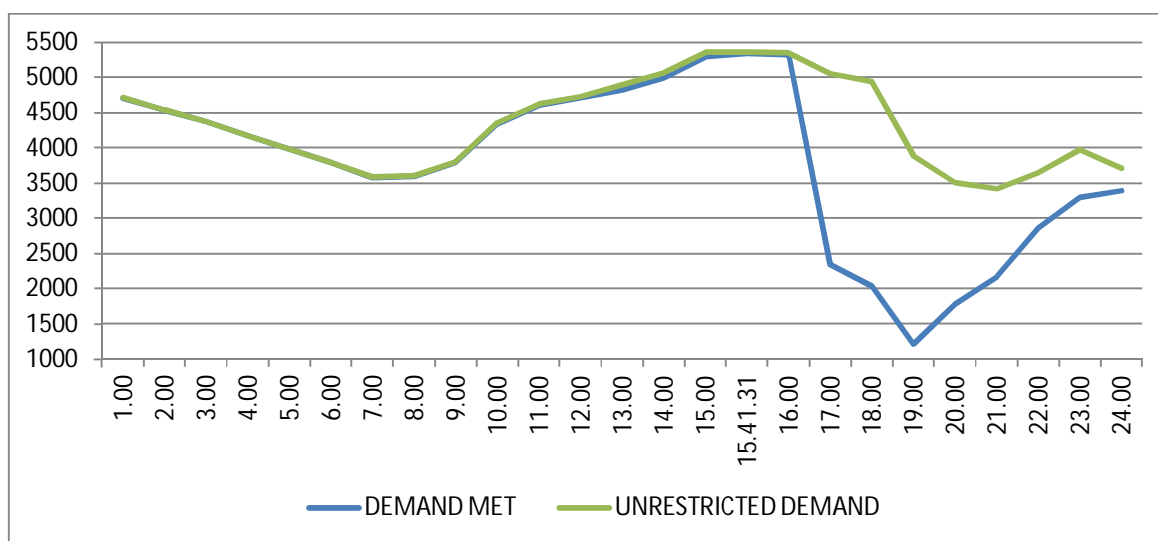
DATE	DUE TO T&D CONSTRAINTS				OTHER AGENCIES LIKE GENCO, BBMB, BTPS ETC.	THEFT PRONE SHEDDING			TOTAL SHEDDING DUE TO T&D CONSTS. & THEFT PRONE	GRAND TOTAL
	DISCOMS					BSES		NDPL		
	BSES		NDPL	NDMC		BSES				
	BYPL	BRPL				BYPL	BRPL			
1	23	24	25		26	27	28	29	30=18 to29	31=30+17
01-May-14	0.029	0.055	0.031	0.000	0.065	0.000	0.000	0.004	0.265	0.282
02-May-14	0.014	0.012	0.000	0.000	0.000	0.000	0.000	0.000	0.297	0.468
03-May-14	0.038	0.053	0.001	0.000	0.000	0.000	0.000	0.000	0.110	0.110
04-May-14	0.003	0.002	0.000	0.000	0.000	0.000	0.000	0.000	0.076	0.112
05-May-14	0.034	0.049	0.006	0.000	0.022	0.000	0.000	0.000	0.120	0.129
06-May-14	0.001	0.015	0.000	0.000	0.014	0.000	0.000	0.000	0.040	0.040
07-May-14	0.005	0.020	0.001	0.000	0.144	0.000	0.000	0.000	0.193	0.208
08-May-14	0.230	0.043	0.031	0.000	0.120	0.000	0.000	0.013	0.733	0.858
09-May-14	0.019	0.106	0.001	0.000	0.082	0.000	0.000	0.000	0.208	0.208
10-May-14	0.009	0.043	0.007	0.000	0.015	0.000	0.000	0.001	0.153	0.163
11-May-14	0.000	0.000	0.005	0.000	0.002	0.000	0.000	0.000	0.007	0.011
12-May-14	0.057	0.007	0.000	0.000	0.000	0.000	0.000	0.000	0.065	0.065
13-May-14	0.028	0.013	0.028	0.000	0.000	0.000	0.000	0.000	0.069	0.069
14-May-14	0.000	0.004	0.006	0.000	0.004	0.000	0.000	0.000	0.029	0.029
15-May-14	0.004	0.003	0.000	0.000	0.000	0.000	0.000	0.004	0.029	0.217
16-May-14	0.000	0.011	0.006	0.000	0.000	0.000	0.000	0.005	0.022	0.201
17-May-14	0.008	0.000	0.000	0.000	0.051	0.000	0.000	0.000	0.095	0.099
18-May-14	0.000	0.084	0.000	0.000	0.006	0.000	0.000	0.000	0.143	0.411
19-May-14	0.000	0.003	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.240
20-May-14	0.060	0.000	0.012	0.000	0.000	0.000	0.000	0.000	0.083	0.083
21-May-14	0.048	0.006	0.000	0.000	0.000	0.000	0.000	0.006	0.060	0.060
22-May-14	0.008	0.013	0.002	0.000	0.040	0.000	0.000	0.003	0.066	0.098
23-May-14	0.027	0.146	0.005	0.000	0.000	0.000	0.000	0.000	0.412	0.472
24-May-14	0.000	0.028	0.000	0.000	0.011	0.000	0.000	0.000	0.061	0.061
25-May-14	0.028	0.012	0.000	0.000	0.000	0.000	0.000	0.000	0.085	0.085
26-May-14	0.000	0.041	0.004	0.000	0.000	0.000	0.000	0.000	0.075	0.172
27-May-14	0.011	0.020	0.000	0.000	0.000	0.000	0.000	0.000	0.045	0.205
28-May-14	0.030	0.089	0.003	0.000	0.000	0.000	0.000	0.000	0.127	0.472
29-May-14	0.000	0.086	0.005	0.000	0.384	0.000	0.000	0.000	0.653	0.714
30-May-14	0.164	1.428	1.445	0.000	0.000	0.000	0.000	0.000	11.986	12.039
31-May-14	0.013	0.000	0.000	0.000	0.000	0.000	0.000	0.000	4.174	4.174
TOTAL	0.868	2.392	1.599	0.000	0.960	0.000	0.000	0.036	20.491	22.555

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
01-May-14	93.153	4400	22:51:06	25	4425	4425	22:51:06	4400	25
02-May-14	95.029	4715	15:22:46	0	4715	4725	16:30	4584	141
03-May-14	90.846	4320	15:15:59	15	4335	4335	15:15:59	4320	15
04-May-14	84.946	4391	23:20:31	4	4395	4395	23:20:31	4391	4
05-May-14	91.635	4512	15:31:02	0	4512	4512	15:31:02	4512	0
06-May-14	91.242	4414	15:21:20	0	4414	4414	15:21:20	4414	0
07-May-14	92.991	4581	15:05:17	0	4581	4581	15:05:17	4581	0
08-May-14	81.973	4737	15:05:41	0	4737	4737	15:05:41	4737	0
09-May-14	89.948	4428	15:39:56	0	4428	4428	15:39:56	4428	0
10-May-14	87.051	4276	00:00:32	0	4276	4276	00:00:32	4276	0
11-May-14	78.274	3980	23:11:02	0	3980	3980	23:11:02	3980	0
12-May-14	84.770	4019	12:35:50	0	4019	4019	12:35:50	4019	0
13-May-14	76.834	3867	00:00:58	0	3867	3867	00:00:58	3867	0
14-May-14	73.519	3640	19:56:49	0	3640	3640	19:56:49	3640	0
15-May-14	80.792	3867	22:53:56	0	3867	3918	15:00	3773	145
16-May-14	85.425	4177	15:31:48	0	4177	4177	15:31:48	4177	0
17-May-14	85.686	4027	23:06:07	21	4048	4048	23:06:07	4027	21
18-May-14	81.823	4079	23:08:28	0	4079	4079	23:08:28	4079	0
19-May-14	88.296	4268	15:01:47	0	4268	4268	15:01:47	4268	0
20-May-14	91.241	4396	15:38:49	0	4396	4396	15:38:49	4396	0
21-May-14	94.829	4512	15:13:01	5	4517	4517	15:13:01	4512	5
22-May-14	98.392	4682	16:06:53	0	4682	4682	16:06:53	4682	0
23-May-14	99.255	4908	15:15:39	18	4926	4926	15:15:39	4908	18
24-May-14	93.669	4477	15:57	0	4477	4477	15:57	4477	0
25-May-14	86.248	4304	00:00:19	0	4304	4304	00:00:19	4304	0
26-May-14	89.889	4406	23:09:58	38	4444	4444	23:09:58	4406	38
27-May-14	94.483	4636	22:58:33	27	4663	4663	22:58:33	4636	27
28-May-14	100.897	4904	22:45:04	5	4909	4909	22:45:04	4904	5
29-May-14	103.827	4972	22:32:37	103	5075	5075	22:32:37	4972	103
30-May-14	92.637	5338	15:41:31	20	5358	5358	15:41:31	5338	20
31-May-14	89.373	4316	16:02:22	183	4499	4539	15:30	4250	289
TOTAL	2768.973	5338 30.05.14	15:41:31	20	5358 30.05.14	5358	15:41:31	5338	20

10 **LOAD PATTERN OF DELHI ON THE DAY OF PEAK DEMAND MET DURING MAY 2014 ON 30.05.2014- 5338MW AT 15.41.31HRS.**

All figures in MW

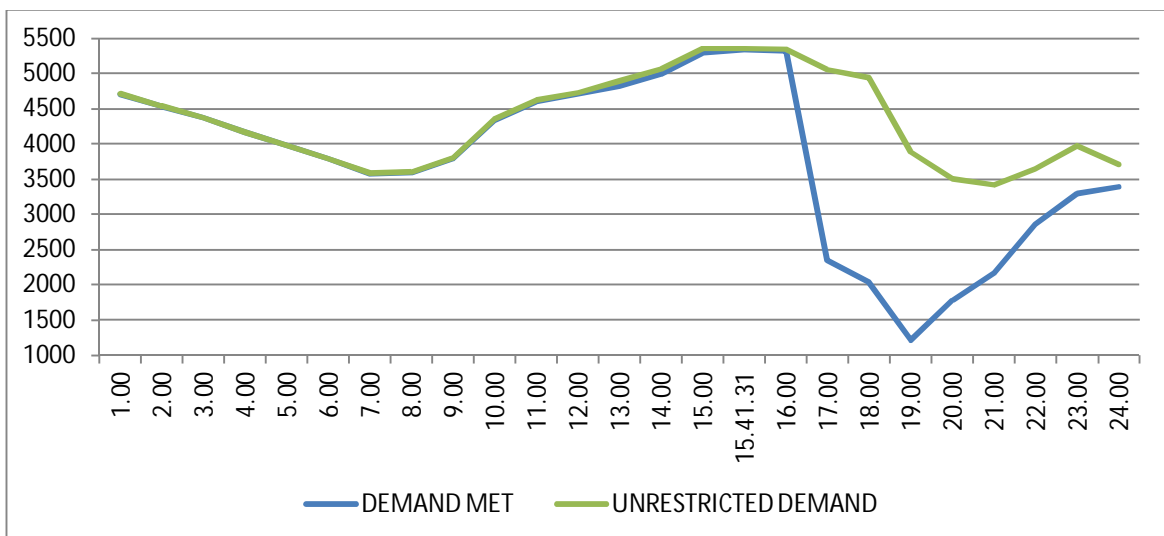
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	4705	7	4712
2.00	4536	5	4541
3.00	4372	0	4372
4.00	4169	0	4169
5.00	3988	0	3988
6.00	3787	4	3791
7.00	3581	2	3583
8.00	3594	8	3602
9.00	3789	5	3794
10.00	4341	16	4357
11.00	4602	16	4618
12.00	4713	15	4728
13.00	4824	70	4894
14.00	4995	72	5067
15.00	5296	58	5354
15.41.31	5338	20	5358
16.00	5321	24	5345
17.00	2350	2706	5056
18.00	2037	2907	4944
19.00	1214	2673	3887
20.00	1780	1722	3502
21.00	2166	1252	3418
22.00	2862	788	3650
23.00	3297	677	3974
24.00	3395	319	3714
TOTAL	92.637	12.039	104.676



11 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UN-RESTRICTED DEMAND DURING MAY 2014 ON 30.05.2014- 5358MW at 15.41.31HRS.

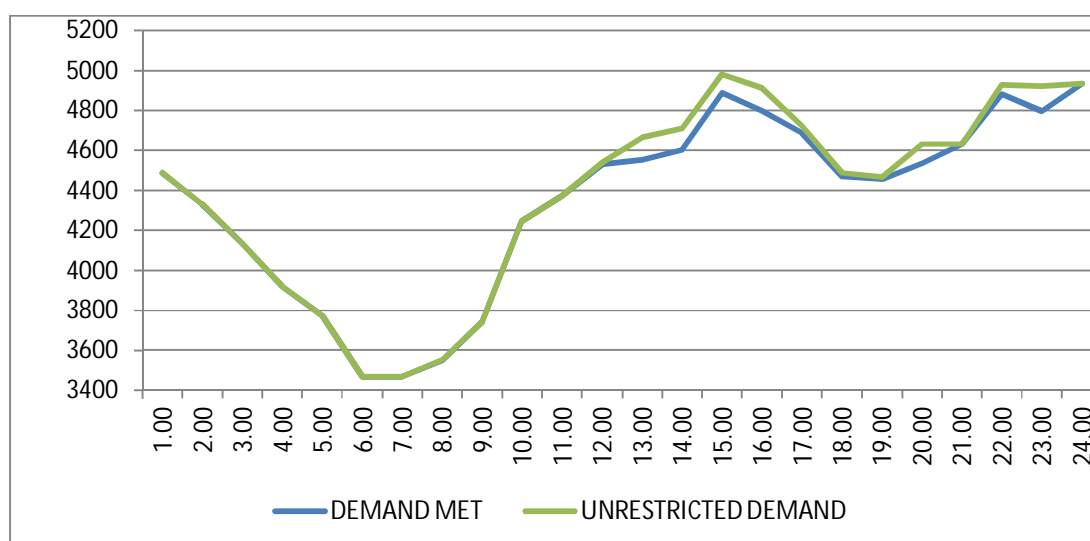
All figures in MW

Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	4705	7	4712
2.00	4536	5	4541
3.00	4372	0	4372
4.00	4169	0	4169
5.00	3988	0	3988
6.00	3787	4	3791
7.00	3581	2	3583
8.00	3594	8	3602
9.00	3789	5	3794
10.00	4341	16	4357
11.00	4602	16	4618
12.00	4713	15	4728
13.00	4824	70	4894
14.00	4995	72	5067
15.00	5296	58	5354
15.41.31	5338	20	5358
16.00	5321	24	5345
17.00	2350	2706	5056
18.00	2037	2907	4944
19.00	1214	2673	3887
20.00	1780	1722	3502
21.00	2166	1252	3418
22.00	2862	788	3650
23.00	3297	677	3974
24.00	3395	319	3714
TOTAL	92.637	12.039	104.676



**12 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM ENERGY CONSUMED
DURING MAY 2014 – 29.05.2014 – 103.827Mus All figures in MW**

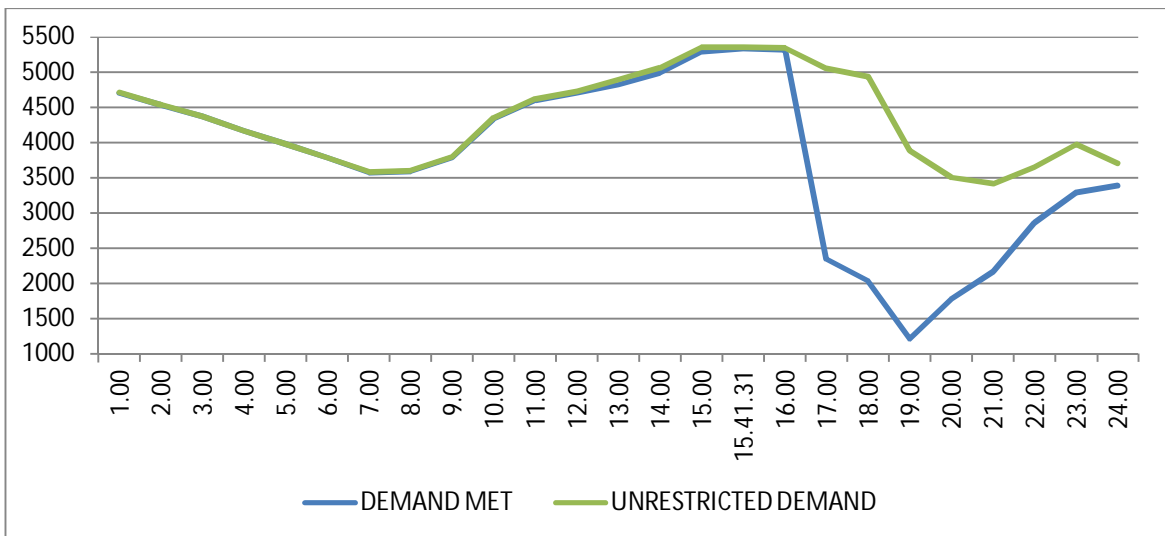
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	4487	2	4489
2.00	4330	2	4332
3.00	4137	0	4137
4.00	3922	0	3922
5.00	3775	0	3775
6.00	3469	0	3469
7.00	3468	0	3468
8.00	3550	2	3552
9.00	3742	0	3742
10.00	4249	0	4249
11.00	4372	0	4372
12.00	4533	8	4541
13.00	4555	111	4666
14.00	4603	108	4711
15.00	4888	92	4980
16.00	4799	114	4913
17.00	4687	37	4724
18.00	4469	21	4490
19.00	4456	11	4467
20.00	4534	99	4633
21.00	4633	0	4633
22.00	4882	47	4929
23.00	4796	127	4923
24.00	4934	0	4934
TOTAL	103.827	0.714	104.541



13 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UNRESTRICTED ENERGY DEMAND DURING MAY 2014 – 30.05.2014 – 104.676 Mus

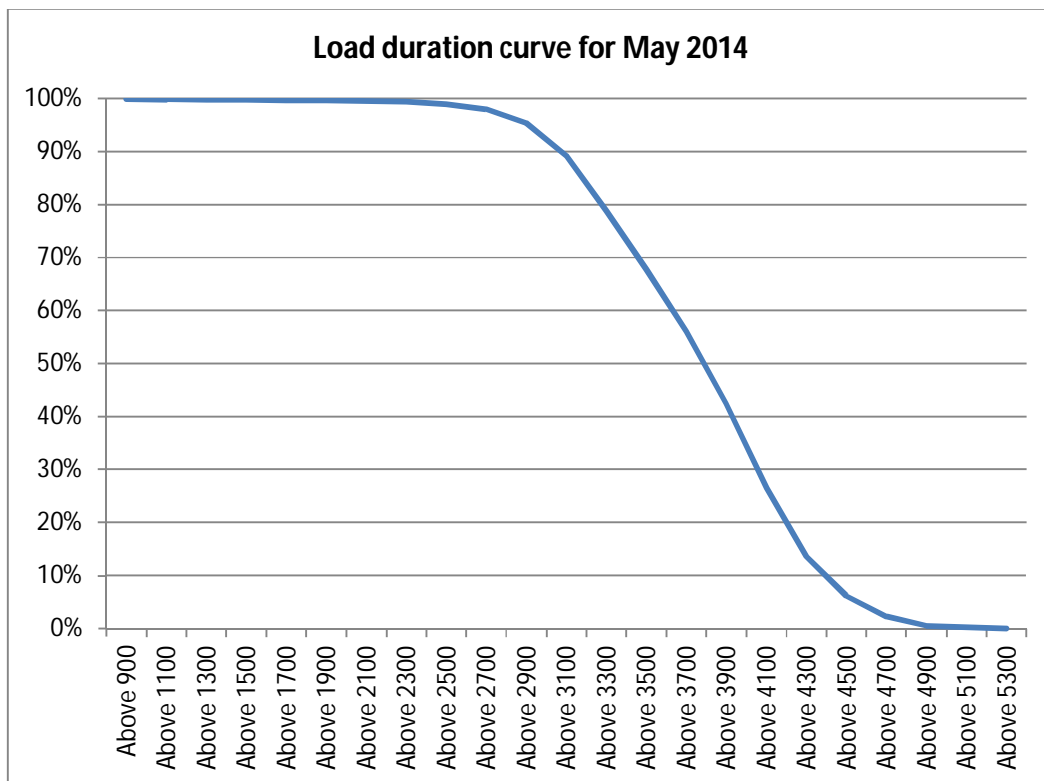
All figures in MW

Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	4705	7	4712
2.00	4536	5	4541
3.00	4372	0	4372
4.00	4169	0	4169
5.00	3988	0	3988
6.00	3787	4	3791
7.00	3581	2	3583
8.00	3594	8	3602
9.00	3789	5	3794
10.00	4341	16	4357
11.00	4602	16	4618
12.00	4713	15	4728
13.00	4824	70	4894
14.00	4995	72	5067
15.00	5296	58	5354
15.41.31	5338	20	5358
16.00	5321	24	5345
17.00	2350	2706	5056
18.00	2037	2907	4944
19.00	1214	2673	3887
20.00	1780	1722	3502
21.00	2166	1252	3418
22.00	2862	788	3650
23.00	3297	677	3974
24.00	3395	319	3714
TOTAL	92.637	12.039	104.676



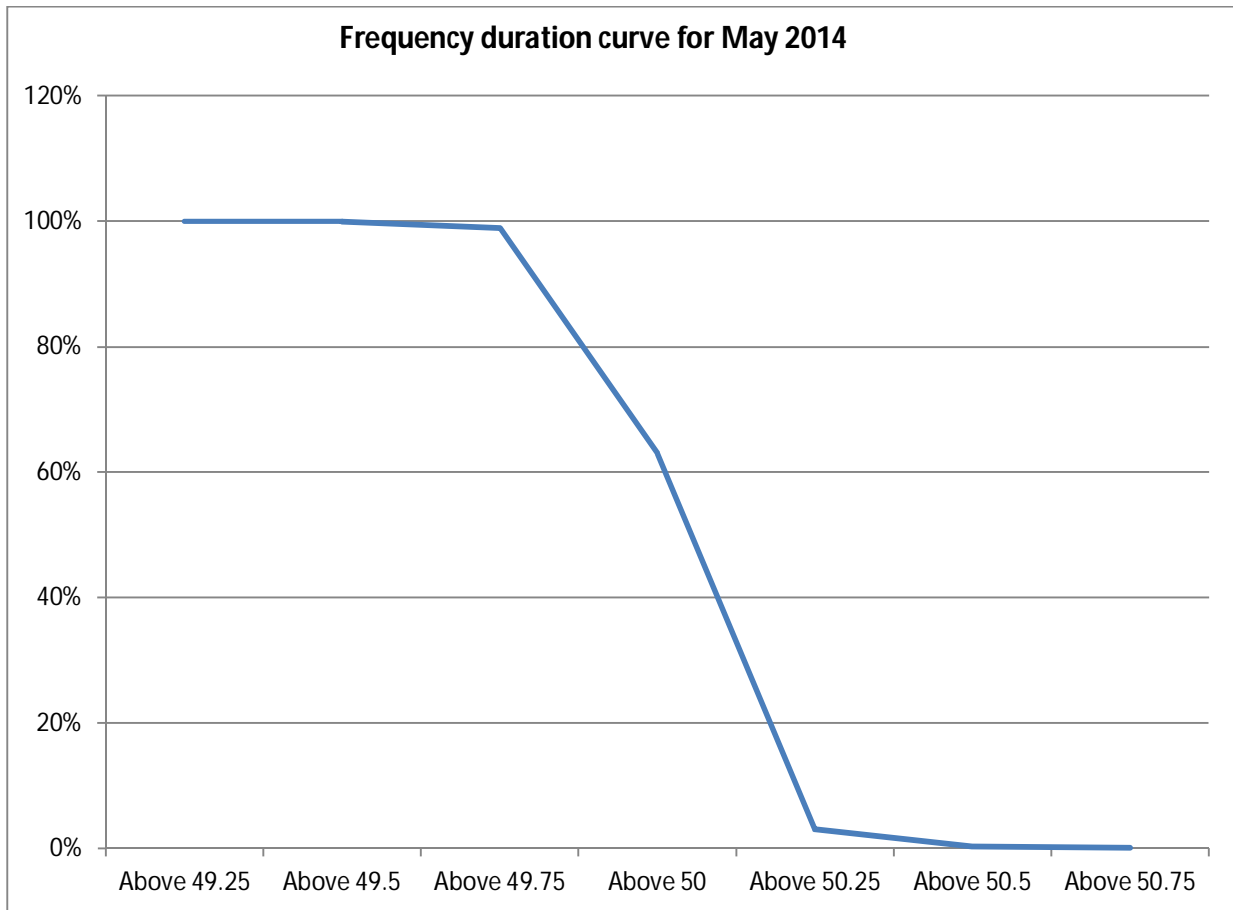
14 LOAD DURATION CURVE FOR MAY 2014

Load in MW	Percentage of Time
Above 900	100 %
Above 1100	99.91 %
Above 1300	99.84 %
Above 1500	99.78 %
Above 1700	99.72 %
Above 1900	99.66 %
Above 2100	99.53 %
Above 2300	99.47 %
Above 2500	98.95 %
Above 2700	98.07 %
Above 2900	95.43 %
Above 3100	89.18 %
Above 3300	78.89 %
Above 3500	67.76 %
Above 3700	56.06 %
Above 3900	42.57 %
Above 4100	26.5 %
Above 4300	13.55 %
Above 4500	6.2 %
Above 4700	2.26 %
Above 4900	0.59 %
Above 5100	0.32 %
Above 5300	0.08 %



FREQUENCY ANALYSIS FOR THE MONTH OF MAY 2014

Frequency Range in Hz.	Percentage of time
Above 49.25	100%
Above 49.5	99.99%
Above 49.75	98.94%
Above 50	62.97%
Above 50.25	3.02%
Above 50.5	0.21%
Above 50.75	0%



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

All figures in kV

Date	NARELA		GAZIPUR	
	Max	Min	Max	Min
01-May-14	226.73	214.99	226.99	206.09
02-May-14	226.73	217.06	228.28	200.29
03-May-14	226.73	214.99	219.12	--
04-May-14	226.21	214.99	224.92	200.93
05-May-14	225.31	215.64	222.34	203.64
06-May-14	224.92	214.73	221.83	200.81
07-May-14	224.79	213.32	221.83	197.97
08-May-14	229.82	216.67	233.18	200.93
09-May-14	226.99	214.09	219.25	200.93
10-May-14	226.73	215.77	228.53	199.26
11-May-14	227.63	219.51	217.96	201.84
12-May-14	225.44	216.54	219.64	203.64
13-May-14	227.50	217.83	238.21	210.48
14-May-14	232.15	217.31	229.18	--
15-May-14	226.99	216.93	222.86	202.48
16-May-14	226.86	214.99	224.79	206.87
17-May-14	229.44	--	228.15	--
18-May-14	228.02	217.96	224.41	--
19-May-14	227.37	216.67	224.28	205.58
20-May-14	228.02	214.73	224.79	207.38
21-May-14	--	--	--	--
22-May-14	227.89	213.06	229.31	213.32
23-May-14	225.31	214.61	226.86	215.12
24-May-14	227.24	--	228.79	211.90
25-May-14	226.99	216.67	228.15	216.54
26-May-14	--	--	--	--
27-May-14	224.92	212.54	226.08	212.54
28-May-14	224.79	206.74	226.34	210.74
29-May-14	224.79	210.61	225.95	--
30-May-14	235.11	206.61	216.41	216.41
31-May-14	218.99	203.64	216.41	216.41

17 VOLTAGE PROFILE OF 400 KV SUB-STATIONS IN DELHI DURING MAY 2014

All figures in kV

Date	400kV Bamnauli Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01-May-14	413.17	08.03.17	395.58	22.42.36	401.99
02-May-14	415.05	18.03.18	393.47	14.18.31	402.55
03-May-14	413.64	04.02.51	392.77	14.55.57	403.48
04-May-14	411.53	18.01.55	392.30	00.05.46	402.34
05-May-14	411.30	03.56.31	392.30	14.40.48	401.90
06-May-14	408.95	04.00.33	389.72	22.39.50	400.28
07-May-14	408.72	18.02.38	388.78	22.08.44	395.96
08-May-14	420.44	18.47.38	393.94	00.06.51	402.77
09-May-14	412.70	04.03.42	389.72	15.24.34	401.65
10-May-14	411.30	18.05.44	393.47	14.21.59	403.01
11-May-14	416.69	18.08.10	397.46	22.37.50	406.40
12-May-14	410.36	18.06.02	393.24	11.12.05	402.49
13-May-14	424.90	05.33.51	397.93	14.37.30	409.15
14-May-14	424.43	03.54.43	396.99	19.32.07	409.51
15-May-14	412.23	07.02.55	395.58	14.29.09	403.74
16-May-14	411.53	06.06.30	393.24	11.14.22	402.29
17-May-14	418.56	06.58.53	394.65	15.44.07	405.29
18-May-14	413.41	06.22.38	398.63	22.47.56	406.09
19-May-14	412.70	06.04.45	395.58	10.12.23	402.43
20-May-14	414.34	06.04.01	392.07	16.21.12	401.81
21-May-14	--	--	--	--	--
22-May-14	415.05	06.07.39	388.55	23.09.11	396.24
23-May-14	411.53	18.02.59	391.60	10.14.16	400.25
24-May-14	414.58	06.04.17	389.25	14.55.32	403.15
25-May-14	414.81	18.34.54	396.76	14.45.39	405.11
26-May-14	--	--	--	--	--
27-May-14	408.95	06.05.30	386.91	15.21.04	398.46
28-May-14	411.06	06.03.56	391.13	14.26.54	400.33
29-May-14	411.30	06.05.56	385.60	15.49.38	398.09
30-May-14	417.86	17.27.59	388.78	14.36.48	400.06
31-May-14	406.37	06.08.12	385.03	14.37.36	394.90

All figures in kV

Date	400kV Bawana Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01-May-14	412.23	08.03.17	396.29	15.34.59	402.67
02-May-14	416.92	18.03.08	401.68	14.41.32	407.94
03-May-14	416.22	03.52.30	396.29	13.12.19	407.40
04-May-14	414.58	12.05.19	397.46	00.05.46	406.04
05-May-14	413.41	03.56.51	398.40	14.40.38	406.78
06-May-14	412.47	04.00.53	396.05	22.38.09	405.39
07-May-14	413.70	18.02.38	394.65	22.08.54	401.34
08-May-14	423.72	20.18.35	398.63	06.48.46	407.64
09-May-14	417.16	04.01.32	--	--	411.62
10-May-14	--	--	--	--	--
11-May-14	--	--	--	--	--
12-May-14	--	--	--	--	--
13-May-14	--	--	--	--	--
14-May-14	--	--	--	--	--
15-May-14	--	--	--	--	--
16-May-14	--	--	--	--	--
17-May-14	--	--	--	--	--
18-May-14	--	--	--	--	--
19-May-14	--	--	--	--	--
20-May-14	--	--	--	--	--
21-May-14	--	--	--	--	--
22-May-14	416.22	06.05.38	393.94	14.52.28	400.53
23-May-14	414.58	18.03.50	396.29	00.31.47	404.28
24-May-14	416.69	06.04.27	393.71	14.25.20	406.41
25-May-14	416.22	18.32.24	399.57	14.24.07	406.86
26-May-14	--	--	--	--	--
27-May-14	410.36	18.33.03	385.27	15.16.44	401.67
28-May-14	412.47	06.05.16	394.41	14.29.24	402.90
29-May-14	412.00	06.05.35	389.72	16.54.52	400.38
30-May-14	408.01	08.05.59	384.56	21.53.47	398.87
31-May-14	404.26	06.07.02	385.74	15.43.31	394.18

18 DETAILS OF LUMPED CAPACITORS AT NEAREST 220 KV SUB-STATION

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	Shakarapur			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 2014

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
1	01/05/2014	11:37	400kV Mundka-Jhatikara Ckt-I	01/05/2014	20:36	AT MUNDKA CKT TRIPPED ON D/P,Z-1,B-PH,DIST-7.8KM,E/F. NO TRIPPING AT MUNDKA.
2	01/05/2014	12:11	220KV BAWANA-SHALIMARBAGH CKT-II	01/05/2014	12:18	AT BAWANA CKT TRIPPED ON D/P,A-PH,A/R. NO TRIPPING AT SHALIMARBAGH.
3	01/05/2014	14:14	220KV PRAGATI - SARITA VIHAR CKT	01/05/2014	14:24	AT SARITA VIHAR CKT TRIPPED ON D/P,Z-1,A,B&C-PH,DIST-4.459KM. AT PRAGATI CKT TRIPPED ON D/P,Z-1,A,B&C-PH,DIST-8.22KM.
4	01/05/2014	14:32	220KV GAZIPUR - BTPS CKT	20/05/2014	11:38	AT GAZIPUR CKT TRIPPED ON D/P,Z-1. AT BTPS CKT TRIPPED ON D/P,R-PH,DIST-10.3KM.
5	01/05/2014	16:04	220KV BAMNAULI-PAPPANKALAN-I CKT-II	01/05/2014	16:35	AT BAMNAULI CKT TRIPPED ON AT D/P,Z-1,A-PH,186A&B.NO TRIPPING AT PPK-1.
6	01/05/2014	16:04	220KV BAMNAULI-PAPPANKALAN-I CKT-I	01/05/2014	16:20	AT BAMNAULI CKT TRIPPED ON AT D/P,Z-1,A-PH,186A&B.NO TRIPPING AT PPK-1.
7	01/05/2014	16:04	PAPPANKALAN-I 220/66kV 100MVA Tx-IV	01/05/2014	16:32	TX TRIPPED ON 86A&B. 66KV I/C-4 TRIPPED ON O/C, E/F
8	02/05/2014	14:17	220KV GEETA COLONY-PATPARGANJ CKT -II	02/05/2014	19:24	AT GEETA COLONY CKT. TRIPPED ON O/C, E/F, DIST. PROT ZONE-1, DISTANCE 2.106KM, AT PATPARGANJ CKT. TRIPPED ON O/C, E/F ZONE-1, DISTANCE 3.246KMS
9	02/05/2014	14:17	220KV GEETA COLONY-PATPARGANJ CKT-I	02/05/2014	19:24	AT GEETA COLONY CKT. TRIPPED ON ACTIVE GROUP -I START PHASE ABC, TRIP PHASE ABC, DIST. PROT. ZONE-1 DISTANCE 3.316KMS, O/C, E/F AT PATPARGANJ CKT. TRIPPED ON START PHASE ABC, E/F, ZONE-1, DISTANCE 950MTS., 186, 186
10	02/05/2014	18:15	GAZIPUR 220/66kV 100MVA Tx-I	02/05/2014	18:25	TR. TRIPPED WITHOUT INDICATION
11	03/05/2014	9:08	220KV OKHLA - BTPS CKT.- I	03/05/2014	9:31	AT BTPS CKT. TRIPPED ON DIST. PROT. DISTANCE 2.5KMS, B PHASE E/F. NO TRIPPING AT OKHLA.
12	04/05/2014	1:58	INDRAPRASTHA POWER 220/33kV 100MVA Tx-II	04/05/2014	15:15	33KV I/C-II TRIPPED WITHOUT INDICATION
13	04/05/2014	8:36	SUBZI MANDI 33/11kV, 16MVA Tx-I	04/05/2014	9:22	TR. TRIPPED ON 51R, Y, B, 86 ALONGWITH 11KV I/C-I
14	04/05/2014	10:27	220KV GAZIPUR - NOIDA SEC.-62 CKT	04/05/2014	11:25	AT NOIDA SEC. 62 CKT. TRIPPED ON DIST. PROT., R, Y & B PHASE 86, 186A, NO TRIPPING AT GAZIPUR
15	04/05/2014	12:20	220KV GAZIPUR - NOIDA SEC.-62 CKT	04/05/2014	12:33	AT GAZIPUR ONLY SUPPLY FAIL FROM NOIDA SEC. 62
16	04/05/2014	13:27	220KV OKHLA - BTPS CKT. - II	04/05/2014	14:14	AT BTPS CKT TRIPPED ON DIST. PRO. DISTANCE 3.1KM., ZONE-1, NO TRIPPING AT OKHLA.
17	05/05/2014	19:55	PAPPANKALAN-I 220/66kV 100MVA Tx-IV	05/05/2014	20:39	TR. TRIPED ON 86 A&B
18	05/05/2014	22:14	PAPPANKALAN-I 220/66kV 100MVA Tx-IV	05/05/2014	22:23	TR. TRIPPED ON 86 A&B
19	06/05/2014	13:25	INDRAPRASTHA POWER 220/33kV 100MVA Tx-II	08/05/2014	18:20	TR. TRIPPED ON E/F
20	06/05/2014	13:27	INDRAPRASTHA POWER 33kV NIZAMUDDIN CKT (BAY-13)	06/05/2014	18:07	CKT. TRIPPED, R PHASE CT DAMAGED
21	07/05/2014	2:39	220KV GOPALPUR-SUBZI MANDI CKT-I	07/05/2014	2:49	AT GOPALPUR CKT. TRIPPED WITHOUT INDICATION. NO TRIPPING AT SUBZI MANDI.
22	07/05/2014	14:18	MUNDKA 220/66kV 160MVA Tx-II	07/05/2014	14:31	TR. TRIPPED ON 86, MASTER RELAY
23	08/05/2014	18:15	220KV BAMNAULI-NAJAFGARH CKT-II	08/05/2014	18:57	AT NAJAFGARH CKT. TRIPPED ON 186, ABC PHASE, DISP PROT. ZONE-I DISTANCE 6.609KMS. AT BAMNAULI CKT. TRIPPED ON DIST. PROT. ZONE-2, C PHASE
24	08/05/2014	18:15	220KV BAMNAULI - DIAL CKT-I	08/05/2014	18:57	AT DIAL CKT. TRIPPED ON REL B PHASE FAULTY, Z-2 APPEARED, REL MAIN-2, RYB PHASE TRIP. NO TRIPPING AT BAMNAULI.

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
25	08/05/2014	18:23	220kV BAMNAULI-NAJAFGARH CKT-I	08/05/2014	18:44	AT NAJAFGARH CKT. TRIPPED ON 186, NO TRIPPING AT BAMNAULI
26	08/05/2014	18:26	400kV Bamnauli-Jhatikara Ckt-I	09/05/2014	19:15	AT BAMNAULI CKT. TRIPPED ON DIST PROT, ZONE -1, 0.4KM, AB PHASE AT JHATIKRA CKT. TRIPPED ON DIST. PROT. DIST 9.52KS,
27	08/05/2014	18:30	PAPPANKALAN-I 66/11kV, 20MVA Tx-II	08/05/2014	19:10	TR. TRIPPED ON O/C R -Y PHASE, 86
28	08/05/2014	18:37	220kV GOPALPUR-SUBZI MANDI CKT-I	08/05/2014	19:28	CKT TRIPPED ON TRANSIENT FAULT
29	08/05/2014	18:37	220kV GOPALPUR-SUBZI MANDI CKT-II	08/05/2014	19:28	CKT TRIPPED ON TRANSIENT FAULT
30	08/05/2014	18:38	220kV GOPALPUR- MANDOLACKT-II	08/05/2014	19:30	AT GOPALPUR CKT. TRIPPED ON RYB PHASAE (MAIN -1), DIST PROT, ZONE-1, DIST 1.1KMS AT MANDOLA CKT. TRIPPED ON ZONE -1, DIST 19.98KMS.
31	08/05/2014	18:38	220kV GOPALPUR- MANDOLACKT-I	08/05/2014	19:30	AT MANDOLA DIST. PROT ZONE 2, DIST. 22.06KM, NO TRIPPING AT GOPALPUR
32	08/05/2014	18:43	220kV WAZIRABAD-GEETA COLONY CKT-I	08/05/2014	19:03	AT GEETA COLONY CKT. TRIPPED ON DIST PROT, DIST 1.75KS, E/F AT WAZIRABAD CKT. TRIPPED ON RYB PHASE, 186, DIST. PROT. DIST. 4.5KMS.
33	09/05/2014	6:12	LODHI RD 33/11kV, 20MVA Tx-II	09/05/2014	13:58	TR. TRIPPED ON OLTC, M-86
34	09/05/2014	8:15	PATPARGANJ 220/33kV 100MVA Tx-IV	09/05/2014	9:40	TR. TRIPPED ON 86B, GROUP B
35	09/05/2014	10:32	PAPPANKALAN-I 220/66kV 100MVA Tx-IV	09/05/2014	11:30	TR. TRIPPED ON 95B, 86B, E/F , O/C
36	10/05/2014	6:40	220kV GAZIPUR - NOIDA SEC.-62 CKT	10/05/2014	7:00	AT GAZIPUR SUPPLY FAIL FROM NOIDA SEC. 62
37	10/05/2014	9:38	220kV GAZIPUR - NOIDA SEC.-62 CKT	10/05/2014	9:50	SUPPLY FAIL FROM NOIDA SECTOR 62
38	10/05/2014	10:41	220kV OKHLA - BTPS CKT.- I	10/05/2014	11:10	AT BTPS CKT. TRIPPED ON DIST. PROT. DISTANCE 2.1KM, ZONE-1. NO TRIPPING AT OKHLA.
39	10/05/2014	12:06	220kV GOPALPUR-SUBZI MANDI CKT-I	10/05/2014	12:45	AT GOPALPUR CKT. TRIPPED ON DIST. PROT, DISTANCE 3.4KM, AT SUBZI MANDI ONLY SUPPLY FAILED
40	11/05/2014	12:14	GEETA COLONY 33kV SHAKAR PUR CKT	11/05/2014	12:34	WHILE ARRANGING THE SHUTDOWN 33KV SHAKARPUR CKT. TRIPPED
41	12/05/2014	16:40	KASHMIRI GATE 220/33kV 100MVA Tx-I	12/05/2014	16:51	33KV I/C-1 TRIPPED ON F/F.
42	13/05/2014	16:52	BAWANA 66KV BAWANA S/STN NO. 6	13/05/2014	20:17	CKT TRIPPED ON D/P,A/R,86. Y-PH LA DAMAGED.
43	14/05/2014	3:34	220KVBAWANA- ROHINI CKT-II	14/05/2014	17:15	AT BWN CKT TRIPPED ON E/F,186. NO TRIPPING AT ROHINI. JUMPER DAMAGED AT TOWER NO-14.
44	14/05/2014	7:30	GAZIPUR 66/11kV, 20MVA Tx-I	17/05/2014	12:05	TX TRIPPED ON O/C,86. 11KV I/C TRIPPED ON O/C,86
45	14/05/2014	14:43	220kV GAZIPUR - NOIDA SEC.-62 CKT	14/05/2014	19:27	SUPPLY FAILED FROM NOIDA SECTOR-62. NO TRIPPING AT GAZIPUR.
46	15/05/2014	12:47	220kV MAHARANI BAGH - ELECTRIC LANE CKT-I	15/05/2014	13:25	AT MAHARANIBAGH CKT TRIPPED ON O/C. AT ELECTRIC LANE CKT TRIPPED WITHOUT INDICATION.
47	17/05/2014	8:58	OKHLA 66/11kV, 20MVA Tx-II	17/05/2014	16:22	TR. TRIPPED ON 64 RLV ALONGWITH 11KV I/C-II ON 86
48	17/05/2014	14:34	PAPPANKALAN-I 220/66kV 100MVA Tx-IV	17/05/2014	14:46	TR. TRIPPED ON O/C, 86 ALONGWITH 66KV I/C-IV ON INTERTRIPPING
49	17/05/2014	14:34	220kV BAMNAULI-PAPPANKALAN-I CKT-I	18/05/2014	20:00	AT PAPANALAN-I CKT. TRIPPED DUE TO CVT BLAST AT BAMNAULI CKT. TRIPPED DIST PROT. ZONE -2, B & C PHASE, 86A, 186B

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
50	17/05/2014	21:30	220kV GAZIPUR - NOIDA SEC.-62 CKT	18/05/2014	5:30	AT GAZIPUR SUPPLY FAIL FROM NOIDA SEC. 62
51	17/05/2014	22:58	NAJAFGARH 66/11kV, 20MVA Tx-I	17/05/2014	23:01	TR. TRIPPED WITHOUT INDICATION
52	18/05/2014	12:50	220kV BAMNAULI-NAJAFGARH CKT-I	18/05/2014	16:25	AT BAMNAULI CKT. TRIPPED ON 86BV, 186 A&B, 67, O/C AT NAJAFGARH CKT. TRIPPED ON DIST. PROT., ZONE-1, DISTANCE 5KMS
53	18/05/2014	14:18	220kV BAMNAULI-NAJAFGARH CKT-II	18/05/2014	16:25	CKT. MANUALLY MADE OFF AS FIRE REPORTED
54	18/05/2014	15:15	220kV BAMNAULI-NARAINA CKT-I	18/05/2014	16:28	AT BAMNAULI CKT. TRIPPED ON DIST. PROT, B & C PHASE, FIRE OBSERVED IN YARD AT NARAINA CKT. TRIPPED ON 86A, 86B, 86, AUTO RECLOSE
55	18/05/2014	17:55	INDRAPRASTHA POWER 220/33kV 100MVA Tx-III	19/05/2014	16:57	TR. TRIPPED ON 86, 51N, 186, 33kV I/C-III ON 95ABC-1, 95ABC-2, O/C, E/F, 33kV BAY NO. 13 ALSO TRIPPED ON E/F WHICH WAS DECLARED FAULTY
56	18/05/2014	17:55	INDRAPRASTHA POWER 33kV EXHIBITION GR-2 CKT (BAY-9)	19/05/2014	1:10	HEAVY FIRE OBSERVED ON BREAKER SIDE, MADE OFF MANUALLY
57	18/05/2014	18:40	INDRAPRASTHA POWER 220/33kV 100MVA Tx-II	18/05/2014	20:05	33kV I/C -II TRIPPED ON E/F
58	20/05/2014	9:55	GAZIPUR 66kV 20MVAR CAP. BANK-I	20/05/2014	13:00	CAPACITOR BANK TRIPPED ON UNBALANCING OF CURRENT
59	22/05/2014	14:40	220kV MEHRAULI - BTPS CKT. - II	22/05/2014	18:59	AT MEHRAULI CKT TRIPPED ON TRIP PHASE ABC, GROUP -1, ZONE-1, DIST 3.059KM, 186, 186, WAVE TRAP R PHASE FLASH (LINE ISOLATOR CLAMP CONDUCTOR) AT BTPS : CKT. TRIPPED ON R PHASE DIST. PROT, DISTANCE 16.2KM, ZONE -II
60	23/05/2014	11:43	SHALIMAR BAGH 220/33kV 100MVA Tx-III	23/05/2014	12:04	33kV I/C -III TRIPPED WITH BLAST AS 33kV SMB KHOSLA U/G CKT. -I TRIPPED ON E/F
61	23/05/2014	11:43	SHALIMAR BAGH 220/33kV 100MVA Tx-II	23/05/2014	12:04	33kV I/C - II TRIPPED WITH BLAST AS 33kV SMB KHOSLA U/G CKT. -I TRIPPED ON E/F
62	23/05/2014	11:43	SHALIMAR BAGH 220/33kV 100MVA Tx-I	23/05/2014	12:04	33kV I/C I TRIPPED WITH BLAST AS 33kV SMB KHOSLA U/G CKT. -I TRIPPED ON E/F
63	23/05/2014	12:13	220kV MEHRAULI - BTPS CKT. - I	23/05/2014	12:34	AT MEHRAULI : CKT. TRIPPED ON 186, 186, A/G-1, S-CN PHASE TRIP PHASE ABC, ZONE-2, DIST PROT, DIST. 13.7KMS, AT BTPS CKT TRIP ON B PHASE, E/F, DIST PROT, DIST 6.4KMS
64	23/05/2014	12:47	220kV MEHRAULI - BTPS CKT. - I	23/05/2014	13:56	AT MEHRAULI : CKT. TRIPPED ON 186, 186, A/G-1, S-C PHASE, TRIP ABC, ZONE-2, DIST PROT, DISTANCE 17.50KMS. AT BTPS CKT. TRIPPED ON DIST. PROT, DIST 6.3KM, B PHASAE
65	23/05/2014	13:29	220kV SARITA VIHAR - BTPS CKT.-II	23/05/2014	14:40	CKT. MADE OFF MANUALLY DUE TO OVERLOADING
66	23/05/2014	13:31	220kV SARITA VIHAR - BTPS CKT.-I	24/05/2014	21:32	AT SARITA VIHAR CKT. TRIPPED ON R PHSE POLE BLAST AT BTPS CKT. MADE OFF MANUALLY
67	23/05/2014	13:31	SARITA VIHAR 220/66kV 100MVA Tx-I	23/05/2014	14:39	TR. TRIPPED ALONGWITH I/C-I ON O/C, E/F, 86, 86, 51N
68	23/05/2014	13:31	SARITA VIHAR 220/66kV 100MVA Tx-II	23/05/2014	14:39	TR. TRIPPED ALONGWITH I/C -II ON 86
69	23/05/2014	13:50	220kV MEHRAULI - BTPS CKT. - II	23/05/2014	18:48	AT MEHRAULI CKT. TRIPPED ON 186, TRIP PHASE ABC PHASE, DIST PROT, ZONE-2, DISTANCE 14.5KMS. AT BTPS : CKT. TRIPPED ON R PHASE E/F, DIST PROT, DISTANCE 7.5KMS.
70	23/05/2014	14:00	220kV MEHRAULI - BTPS CKT. - I	23/05/2014	19:15	AT MEHRAULI : CKT. TRIPPED ON 186, TRIP ABC PHASE, DISTANCE PROT, ZONE-2, DISTANCE 17.50KM AT BTPS : CKT. TRIPPED ON B PHASE, E/F, DIST PROT, 6.4KMS.
71	23/05/2014	14:25	INDRAPRASTHA POWER 220/33kV 100MVA Tx-II	23/05/2014	14:55	33kV I/C-II TRIPPED ON WITHOUT INDICATION

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
72	24/05/2014	14:03	220kV GOPALPUR-SUBZI MANDI CKT-I	24/05/2014	17:04	CKT. TRIPPED ON DIST PROT. DISTANCE 3.5KM, RYB PHASE
73	25/05/2014	0:57	220kV PRAGATI - I.P.CKT - I	25/05/2014	19:56	AT PRAGATI : CKT. TRIPPED ON 96F (BUS BAR PROTECTION) AT I.P. DIST. PROT. Z-1, ABC PHASE.
74	25/05/2014	0:57	220kV PRAGATI - I.P.CKT - II	25/05/2014	19:56	AT PRAGATI : B PHASE CT DAMAGED AND CAUGHT FIRE. AT I.P. : CKT. TRIPPED ON 86 A, B, C ALL PHASE, Z-1
75	25/05/2014	0:57	220kV PRAGATI - PARK STREET CKT-I	25/05/2014	1:19	AT PRAGATI : CKT. TRIPPED ON 96, 96, 186. NO TRIPPING AT PARK STREET.
76	25/05/2014	0:57	220kV PRAGATI - PARK STREET CKT-II	25/05/2014	1:19	AT PRAGATI : CKT. TRIPPED ON 96, 96, 186. NO TRIPPING AT PARK STREET.
77	25/05/2014	0:57	220kV MAHARANI BAGH - PRAGATI CKT	25/05/2014	1:18	AT PRAGATI : CKT. TRIPPED ON 96T, 186 AT MAHARANI BAGH : NO TRIPPING, BUT RELAYS APPEARED DIST. PRO, Z-2 & 3
78	25/05/2014	0:57	220kV PRAGATI - SARITA VIHAR CKT	25/05/2014	1:12	AT PRAGATI : CKT. TRIPPED ON 96T, 186. NO TRIPPING AT SARITA VIHAR.
79	25/05/2014	0:57	PRAGATI 220/66kV 160MVA Tx-I	25/05/2014	1:15	TR. TRIPPED ON 96T, BUS BAR PROTECTION
80	25/05/2014	0:57	PRAGATI 220/66kV 160MVA Tx-II	25/05/2014	1:15	TR. TRIPPED ON 96T, BUS BAR PROT.
81	25/05/2014	19:11	400kV Ballabhgarh-Bamnauli Ckt-I	25/05/2014	19:44	AT BAMNAULI CKT. TRIPPED ON 186A&B, 85LO, DIST PROT, (CVT AVAILABLE)
82	25/05/2014	19:12	400kV Ballabhgarh-Bamnauli Ckt-II	25/05/2014	19:44	AT BAMNAULI CKT. TRIPPED ON 186A&B, 85LO, DIST PROT, (CVT AVAILABLE)
83	25/05/2014	21:14	GAZIPUR 220/66kV 100MVA Tx-I	25/05/2014	22:28	TR. TRIPPED ON TRIP CKT. FAULTY, DC PROT. FAIL
84	26/05/2014	14:18	BAWANA 400/220kV 315MVA ICT-II	26/05/2014	14:49	ICT TRIPPED ON TRIP RELAY GROUP A 86A, GROUP B 86B, I/C-II (OF 315MVA) TRIP ON CB AUTO TRIP
85	26/05/2014	14:24	BAWANA 220/66kV 100MVA Tx	26/05/2014	14:41	TR. TRIPPED ON POLE DISCRIPANCY
86	26/05/2014	15:01	BAWANA 220/66kV 100MVA Tx	26/05/2014	15:24	TR. TRIPPED ON POLE DISCRIPANCY
87	26/05/2014	15:01	BAWANA 400/220kV 315MVA ICT-II	26/05/2014	15:20	ICT-II TRIPPED ON TRIPPING RELAY GROUP A, 86AA, GROUP D, 86B ALONGWITH I/C ON CB AUTO TRIP
88	26/05/2014	15:35	BAWANA 220/66kV 100MVA Tx	26/05/2014	16:05	TR. TRIPPED ON POLE DISCRIPANCY
89	26/05/2014	15:35	BAWANA 400/220kV 315MVA ICT-II	26/05/2014	19:50	ICT TRIPPED ON TRIP RELAY GROUP 86A, GROUP-B, 86B
90	26/05/2014	17:20	INDRAPRASTHA POWER 220/33kV 100MVA Tx-I	26/05/2014	17:40	TR. TRIPPED ON O/C, R PHASE ALONGWITH 33KV BAY 6 TILAK MARG ON E/F
91	27/05/2014	15:17	220kV GEETA COLONY- PATPARGANJ CKT-I	27/05/2014	15:50	AT GEETA COLONY CKT. TRIPPED ON START PHASE BC, TRIP PHASE A&C, O/C, E/F, ZONE-II, DISTANCE 5.370KMS. NO TRIPPING AT PATPARGANJ.
92	27/05/2014	15:17	220 KV PATPARGANJ - I.P. CKT-I	27/05/2014	17:11	AT I.P. : CKT .TRIPPED ON 86, 186, DIST PROT, ZONE-I, ABC AT PATPARGANJ : NO TRIPPING
93	27/05/2014	15:25	BAWANA 400/220kV 315MVA ICT-II	27/05/2014	15:37	BOTH CB TIE & MAINS OF ICT TRIPPED ON 86, A&B.
94	27/05/2014	15:25	BAWANA 220/66kV 100MVA Tx	27/05/2014	15:35	TR. TRIPPED ON CB AUTO TRIP
95	27/05/2014	16:55	400kV Mandola-Bawana Ckt-I	27/05/2014	19:17	CKT. TRIPPED WITHOUT INDICATION
96	28/05/2014	8:25	WAZIRABAD 66kV SHASTRI PARK CKT-I	28/05/2014	15:26	CKT. TRIPPED ON Z-I, Y PHASE, 86, 86, 295, 186 A/R - A&B CKT TRIPPED DUE TO PROTECTION TESTING OF ISLANDING SCHEME.
97	28/05/2014	9:09	PAPPANKALAN-I 220/66kV 100MVA Tx-IV	28/05/2014	13:47	TR. TRIPPED WITHOUT ANY INDICATION AND I/C TRIPPED ON O/C , E/F
98	28/05/2014	9:09	PAPPANKALAN-I 66kV BINDAPUR CKT-I	28/05/2014	13:47	CKT. MADE OFF MANUALLY TO CONTROL OVER LOADING
99	28/05/2014	9:09	PAPPANKALAN-I 66kV BINDAPUR CKT-II	28/05/2014	13:47	CKT. MADE OFF MANUALLY TO CONTROL OVER LOADING
100	28/05/2014	10:16	OKHLA 33kV NEHRU PLACE CKT-I	28/05/2014	13:20	CKT. TRIPPED ON E/F

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
101	28/05/2014	12:03	220KV DIAL- MEHRAULI CKT-II	28/05/2014	17:05	AT DIAL : CKT. TRIPPED ON REL, MAIN-II, B PHASE TRIP, REL, PROT TRIP, B PHASE FAULTY, REL ZONE-I, AT MEHRAULI CKT. TRIPPED ON DIFFERENTIAL TRIP, DIFFERENTIAL B PHASE, TRIP, 186, 186
102	28/05/2014	15:40	INDRAPRASTHA POWER 33KV NIRMAN BHAWAN CKT (BAY-2)	29/05/2014	15:58	CKT. TRIPPED WITHOUT INDICATION PROBLEM IN CIRCUIT BREAKER.
103	29/05/2014	12:03	220KV MEHRAULI - BTPS CKT. - I	29/05/2014	18:22	AT BTPS : CKT. TRIPPED ON ZONE-I, FAULT LOCATION 7.3KMS, DIST PROT. AT MEHRAULI : CKT. TRIPPED ON 186, 186, DIST PROT, ZONE-I, GROUP -I, TRIP PHASE C, FAULT LOCATION 11.53KMS
104	29/05/2014	12:38	220KV MEHRAULI - BTPS CKT. - II	29/05/2014	18:22	AT BTPS : CKT. TRIPPED ON R PHASE, ZONE-I, DISTANCE 7.2KMS. AT MEHRAULI : CKT. TRIPPED ON 186, 186, DIST PROT, DISTANCE 14.28KMS., ZONE-I,
105	29/05/2014	12:46	220KV GAZIPUR - BTPS CKT	29/05/2014	18:49	CKT. TRIPPED ON R PHASE, ZONE-I, DISTANCE 13.7KMS.
106	29/05/2014	13:05	220KV MAHARANI BAGH - SARITA VIHAR CKT	29/05/2014	13:28	AT SARITA VIHAR : CKT. TRIPPED ON A/R, 186 X-R, 186 X-Y, 186 X-B, FAULT LOCATION 2.854KMS. AT MAHARANI BAGH CKT. TRIPPED ON IPO5, N.1, 7.5KMS.
107	29/05/2014	15:47	ROHINI-II 220/66KV 160MVA Tx-II	29/05/2014	16:10	TR .TRIPPED ON TCIV SWITCH OPERATED
108	29/05/2014	17:40	MASJID MOTH 220/33KV 100MVA Tx-I	29/05/2014	18:30	33KV I/C-I TRIPPED DUE TO OVER LOADING DUE TO TRIPPING OF TR. -II & DUE TO BLAST ON B PHASE 33KV METERING POINT
109	29/05/2014	17:40	MASJID MOTH 220/33KV 100MVA Tx-II	29/05/2014	19:35	TR. TRIPPED DUE TO BLAST ON B PHASE 33KV METERING POINT
110	30/05/2014	6:32	220KV GEETA COLONY- PATPARGANJ CKT-I	30/05/2014	6:35	CKT. MADE OFF AS 220KV BUS COUPLER BREAKER LOCKOUT APPEARS ON IT
111	30/05/2014	6:32	220KV GEETA COLONY- PATPARGANJ CKT -II	30/05/2014	6:35	CKT. MADE OFF AS 220KV BUS COUPLER BREAKER LOCKOUT APPEARS ON IT
112	30/05/2014	6:32	220KV WAZIRABAD-GEETA COLONY CKT-II	30/05/2014	6:35	CKT. MADE OFF DUE TO BREAKER LOCK OUT AT GEETA COLONY
113	30/05/2014	6:32	220KV WAZIRABAD-GEETA COLONY CKT-I	30/05/2014	6:35	CKT. MADE OFF DUE TO 220KV BREAKER LOCKOUT AT GEETA COLONY
114	30/05/2014	16:42	400KV Mandola-Bawana Ckt-I	31/05/2014	17:55	TRIPPING OCCURRED DUE TO HEAVY STORM AT BAWANA MAIN-I, C-N, ZONE-I, MAIN-II, C-N, ZONE-I, AT MANDOLA : C PHASE, ZONE-I, DIST PRO, DISTANCE 14.07KMS.
115	30/05/2014	16:43	400KV Bawana-Mundka Ckt-II	30/05/2014	18:45	TRIPPING OCCURRED DUE TO HEAVY STORM AT MUNDKA : AUTO RECLOSE TRIP AT BAWANA : MAIN-I, A-N, ZONE-1, MAIN-II, A-N, ZONE-I, DISTANCE 4KMS
116	30/05/2014	16:47	BAWANA 400/220KV 315MVA ICT-II	30/05/2014	19:24	TRIPPING OCCURRED DUE TO HEAVY STORM 220KV I/C-II OF ICT TRIPPED ON POLE DISCRIPENCY
117	30/05/2014	16:48	400KV Bamnauli-Jhatikara Ckt-II	30/05/2014	17:02	TRIPPING OCCURRED DUE TO HEAVY STORM AT BAMNAULI DIST PROT C PHASE, ZONE-I, 186 A&B
118	30/05/2014	16:48	400KV Bamnauli-Jhatikara Ckt-I	30/05/2014	18:20	TRIPPING OCCURRED DUE TO HEAVY STORM AT BAMNAULI : DIST PROT C- PHASE, ZONE-I, 186 A&B
119	30/05/2014	16:48	220KV GOPALPUR- MANDOLACKT-II	CONTD.		CKT. TRIPPED DURING HEAVY STORM AT MANDOLA : DIST PROT, ZONE-I, Y-N PHASE, DIST 10.42KMS. AT GOPALPUR DIST PROT, ZONE-1 DIST 1.1KMS. THE CKT HAS BEEN CHARGED TEMPORARILY BY PROVIDING T-OFF FROM 220KV MANDOLA - NARELA CKT. -II ON 02.06.2014

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
120	30/05/2014	16:50	220kV BAMNAULI-PAPPANKALAN-I CKT-II	CONTD.		CKT. TRIPPED DUE TO HEAVY STORM AT BAMNAULI : DIST PROT, A PHASE, 186 A&B AT PAPPANKALAN-I NO TRIPPING CKT. HAS BEEN TEMPORARILY CHARGED FROM 220KV BAMNAULI - PAPPANKALAN -II CKT. -I ON DT. 01.06.2014 AT 00.15HRS.
121	30/05/2014	16:50	220kV BAMNAULI-PAPPANKALAN-I CKT-I	CONTD.		CKT TRIPPED IN HEAVY STORM AT BAMNAULI : CKT. TRIPPED ON DIST PROT, A PHASE, 186 A&B AT PAPPANKALAN-1 : DIST PROT, A&B PHASE, 86ABC, AUTO RECLOSE CKT. CHARGED THROUGH ERS FROM CKT. -II ON 04.06.2014 AT 15.48HRS.
122	30/05/2014	16:51	MUNDKA 220/66kV 160MVA Tx-II	30/05/2014	19:20	TRIPPING OCCURRED DUE TO HEAVY STORM TR. TRIPPED ON O/C
123	30/05/2014	16:51	220kV GOPALPUR- MANDOLACKT-I	CONTD.		TRIPPING OCCURRED DUE TO HEAVY STORM AT MANDOLA : BACKUP PROT, 85LO, 86 BUX, 186 A&B AT GOPALPUR : DIST PROT, ZONE-1 DISTANCE 1.1KMS THE CKT. HAS BEEN TEMPORARILY CHARGED THROUGH ERS ON 01.06.2014 AT 21.53HRS.
124	30/05/2014	16:51	220kV DSIIDC BAWANA-NARELA CKT-I	30/05/2014	19:41	TRIPPING OCCURRED DUE TO HEAVY STORM AT NARELA : DIST PROT, B PHASE ZONE-I, DIST 3.01KMS, 186 AT DSIIDC BAWANA : NO TRIPPING
125	30/05/2014	16:51	220kV BAWANA-DSIIDC BAWANA CKT-II	31/05/2014	7:54	TRIPPING OCCURRED DUE TO HEAVY STORM AT BAWANA : VT FUSE FAIL. NO TRIPPING AT DSIIDC BAWANA.
126	30/05/2014	16:51	220kV BAWANA-DSIIDC BAWANA CKT-I	31/05/2014	2:39	TRIPPING OCCURRED DUE TO HEAVY STORM AT BAWANA : DIST PROT, B PHASE ZONE-I AT DSIIDC BAWANA : PROT TRIP, ABC PH, Z-II, A/R, 86
127	30/05/2014	16:51	400kV Mundka-Jhatikara Ckt-I	30/05/2014	18:34	TRIPPING OCCURRED DUE TO HEAVY STORM AT MUNDKA : INTERTRIP CHANNEL I & II AT JHATIKARA : SUPPLY FAIL
128	30/05/2014	16:51	220kV BAMNAULI-NAJAFGARH CKT-II	30/05/2014	21:05	TRIPPING OCCURRED DUE TO HEAVY STORM AT BAMNAULI : BACKUP TRIP, 186BU, 186 A&B AT NAJAFGARH : NO TRIPPING
129	30/05/2014	16:51	220kV BAMNAULI - DIAL CKT-I	30/05/2014	17:43	TRIPPING OCCURRED DUE TO HEAVY STORM AT BAMNAULI : DIST PROT, ZONE-I, 186 A&B AT DIAL : DIST PROT, ZONE-I, R PHASE
130	30/05/2014	16:51	220kV BAMNAULI-NAJAFGARH CKT-I	30/05/2014	21:05	TRIPPING OCCURRED DUE TO HEAVY STORM AT BAMNAULI : BACKUP TRIP, 186BU, 186 A&B, AT NAJAFGARH : NO TRIPPING
131	30/05/2014	16:51	400kV Mundka-Jhatikara Ckt-II	30/05/2014	18:36	TRIPPING OCCURRED DUE TO HEAVY STORM AT MUNDKA : INTERTRIP CHANNEL I & II AT JHATIKARA : SUPPLY FAIL
132	30/05/2014	16:52	220kV NARELA - MANDOLA CKT-I	30/05/2014	22:21	TRIPPING OCCURRED DUE TO HEAVY STORM AT MANDOLA : DIST PROT, R PHASE , ZONE-I, 86 RYB AT NARELA : SUPPLY FAIL
133	30/05/2014	16:52	220kV BAMNAULI-NARAINA CKT-II	30/05/2014	17:40	TRIPPING OCCURRED DUE TO HEAVY STORM AT BAMNAULI : DIST PROT, R & B PHASE, ZONE-II, 186 A&B, AT NARAINA : DIST PROT, ABC PHASE
134	30/05/2014	16:52	220kV BAMNAULI-NARAINA CKT-I	30/05/2014	17:40	TRIPPING OCCURRED DUE TO HEAVY STORM AT BAMNAULI : DIST PROT, ZONE-I, B & C PHASE AT NARAINA I DIST PRO, ABC PHASE
135	30/05/2014	16:54	220KVBAWANA- ROHINI CKT-II	CONTD.		TRIPPING OCCURRED DUE TO HEAVY STORM AT BAWANA POLE DISCREPANCY AT ROHINI SUPPLY FAIL CKT. HAS BEEN CHARGED UPTO TOWER NO. 22 TO FEED ROHINI -II S/STN.

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
136	30/05/2014	16:55	220KVBAWANA- ROHINI CKT-I	CONTD.		CKT. TRIPPED IN HEAVY STORM AT BAWANA DIST PROT, C PHASE AT ROHINI DIST PROT A PHASE, 186A &B, AUTO RECLOSE CKT. IS TEMPORARILY REVIVED THROUGH EMERGENCY RESTORATION SYSTEM ON 10.06.2014 AT 15.19HRS.
137	30/05/2014	16:55	400kV Mandola-Bawana Ckt-II	30/05/2014	19:39	TRIPPING OCCURRED DUE TO HEAVY STORM AT BAWANA : CB AUTO TRIP, MAIN-I, A-N, ZONE-I, MAIN-II, C-I, ZONE-I AT MANDOLA : SUPPLY FAIL, NO TRIPPING
138	30/05/2014	16:56	220kV WAZIRABAD-GEETA COLONY CKT-II	30/05/2014	22:01	TRIPPING OCCURRED DUE TO HEAVY STORM AT WAZIRABAD : DIST PROT, ZONE-I, RYB PHSAE AT GEETA COLONY : DIST PROT
139	30/05/2014	16:56	220kV WAZIRABAD-GEETA COLONY CKT-I	30/05/2014	19:24	TRIPPING OCCURRED DUE TO HEAVY STORM AT WAZIRABAD : DIST PROT, ZONE-I, RYB PHASE, AT GEETA COLONY : DIST PROT, ZONE-II, DISTANCE 5.88KMS
140	30/05/2014	16:56	220kV MAHARANI BAGH - SARITA VIHAR CKT	30/05/2014	20:48	TRIPPING OCCURRED DUE TO HEAVY STORM AT MAHARANI BAGH : DIST PROT, ZONE-I, DISTANCE 3.5KMS, R PHASE AT SARITA VIHAR: NO TRIPPING
141	30/05/2014	16:56	220kV PRAGATI - SARITA VIHAR CKT	30/05/2014	20:59	AT SARITA VIHAR CKT MADE OFF DUE TO HEAVY SPARKING SEEN ON B PHASAE LINE ISOLATOR
142	30/05/2014	16:56	WAZIRABAD 220/66kV 100MVA Tx-III	30/05/2014	18:12	TRIPPING OCCURRED DUE TO HEAVY STORM TR. TRIPPED ON E/F
143	30/05/2014	16:56	GEETA COLONY 220/33kV 100MVA Tx-II	31/05/2014	0:17	TR. TRIPPED ON 30E, AUTO TRIP, 30L, PRV, 33KV I/C-II TRIPPED WITHOUT INDICATION
144	30/05/2014	17:00	220kV MEHRAULI - BTPS CKT. - II	30/05/2014	19:51	TRIPPING OCCURRED DUE TO HEAVY STORM AT BTPS : TRIPPED ON ZONE-I, B PHASE DIST PROT, DISTANCE 13.9KMS AT MEHRAULI : DIST PROT, ZONE-I, ABC PHASE, 186, DISTANCE 7.07KMS.
145	30/05/2014	17:00	220kV DIAL- MEHRAULI CKT-I	30/05/2014	20:05	AT MEHRAULI: CKT. TRIPPED ON 186, 186, DIST PROT, ZONE-1, AT DIAL : SUPPLY FAIL
146	30/05/2014	17:00	400kV Ballabgarh-Bamnauli Ckt-I	30/05/2014	17:10	TRIPPING OCCURRED DUE TO HEAVY STORM AT BAMNAULI : DIST PROT, ZONE-I, 186 A&B
147	30/05/2014	17:01	220KV BAWANA-SHALIMARBAGH CKT-II	30/05/2014	21:24	TRIPPING OCCURRED DUE TO HEAVY STORM AT BAWANA : CKT. TRIPPED ON B & C PHASE AT SHALIMARBAGH : SUPPLY FAIL
148	30/05/2014	17:03	220kV BAMNAULI-PAPPANKALAN-II CKT-II	30/05/2014	17:33	TRIPPING OCCURRED DUE TO HEAVY STORM AT BAMNAULI : DIST PROT, A PHASE, C-II, 186 A&B, AT PAPANALAN-II : NO TRIPPING
149	30/05/2014	17:03	220KV WAZIRABAD - MANDOLA CKT-IV	30/05/2014	20:10	TRIPPING OCCURRED DUE TO HEAVY STORM AT MANDOLA : DIST PROT, R-N PHASE, ZONE-III, DIST 22.11KMS AT WAZIRABAD : NO TRIPPING
150	30/05/2014	17:03	220KV WAZIRABAD - MANDOLA CKT-II	31/05/2014	15:34	TRIPPING OCCURRED DUE TO HEAVY STORM AT MANDOLA : DIST PROT, ZONE-I, R-N PHASE, DISTANCE 3.971KMS AT WAZIRABAD : NO TRIPPING
151	30/05/2014	17:03	220kV MEHRAULI - BTPS CKT. - I	30/05/2014	19:39	TRIPPING OCCURRED DUE TO HEAVY STORM AT BTPS : TRIPPED ON ZONE-1, B PHASE, DIST PROT, DISTANCE 9.46KMS AT MEHRAULI : DIST PROT, ZONE-I, C PHASE, DIST 12.65KMS, 186
152	30/05/2014	17:03	220kV BAMNAULI-PAPPANKALAN-II CKT-I	30/05/2014	17:55	TRIPPING OCCURRED DUE TO HEAVY STORM AT BAMNAULI : DIST PROT, A PHASE, C-II, 186 A&B, AT PAPANALAN-II, DIST PROT, MAIN I & II, C-N PHASE, ZONE-I, 86
153	30/05/2014	17:03	220KV WAZIRABAD - MANDOLA CKT-I	30/05/2014	20:40	TRIPPING OCCURRED DUE TO HEAVY STORM AT MANDOLA : CKT TRIPPED ON R PHASE, 67NX, 86RY&B, 186 BUJ, BACK UP PROT, 186 &B AT WAZIRABAD : NO TRIPPING

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
154	30/05/2014	17:05	WAZIRABAD 220/66kV 100MVA Tx-I	30/05/2014	20:13	TRIPPING OCCURRED DUE TO HEAVY STORM TR. TRIPPED ON E/F
155	30/05/2014	17:10	GAZIPUR 220/66kV 100MVA Tx-I	30/05/2014	21:12	TRIPPING OCCURRED DUE TO HEAVY STORM SPR OPERATED
156	30/05/2014	17:17	220kV OKHLA - BTPS CKT.- I	30/05/2014	19:43	TRIPPING OCCURRED DUE TO HEAVY STORM AT OKHLA : CKT. TRIPPED ON DIST PRO, ZONE-1, DISTANCE 3.5KMS, B PHASE
157	30/05/2014	17:40	220kV GAZIPUR - BTPS CKT	30/05/2014	20:57	TRIPPING OCCURRED DUE TO HEAVY STORM SUPPLY FAILED FROM BTPS.
158	30/05/2014	17:48	220KV WAZIRABAD - MANDOLA CKT-III	30/05/2014	17:52	TRIPPING OCCURRED DUE TO HEAVY STORM AT WAZIRABAD : CKT TRIPPED ON DIST PRO RYB PHASE AT MANDOLA : NO TRIPPING
159	30/05/2014	17:52	400kV Bawana-Mundka Ckt-I	30/05/2014	20:17	MADE OFF MANUALLY DUE TO TRIPPINGS IN HEAVY STORM AT MUNDKA R PHASE CT PIPE DAMAGE
160	30/05/2014	17:55	220KV WAZIRABAD - MANDOLA CKT-III	30/05/2014	17:56	AT WAZIRABAD : RYB PHASE TRIPPED, NO DISTANCE APPEARED AT MANDOLA : NO TRIPPING
161	30/05/2014	20:04	220 KV GOPALPUR-WAZIRABAD CKT	30/05/2014	20:11	TRIPPING OCCURRED DUE TO HEAVY STORM AT GOPAL PUR CKT. TRIPPED ON E/F AT WAZIRABAD CKT. TRIPPED
162	30/05/2014	20:53	220KV WAZIRABAD - MANDOLA CKT-IV	30/05/2014	21:32	TRIPPING OCCURRED DUE TO HEAVY STORM AT MANDOLA : CKT. MADE OFF MANUALLY AS SPARKING REPORTED ON R PHASE LINE ISOLATOR
163	30/05/2014	21:52	220KV WAZIRABAD - MANDOLA CKT-IV	30/05/2014	22:05	TRIPPING OCCURRED DUE TO HEAVY STORM AT MANDOLA : POC START, SOFT, TOR TRIP. NO TRIPPING AT WAZIRABAD.
164	30/05/2014	22:15	NARELA 220/66kV 100MVA Tx-I	31/05/2014	20:28	Y & B PHASE LA DAMAGED
165	31/05/2014	0:16	WAZIRABAD 220/66kV 100MVA Tx-III	31/05/2014	0:26	TR. TRIPPED ON E/F
166	31/05/2014	0:16	220KV WAZIRABAD - MANDOLA CKT-IV	31/05/2014	0:34	AT MANDOLA : A-N PHSE, SOFT, TOR TRIP, RYB PHASE. NO TRIPPING AT WAZIRABAD. JUMPER SNAPPED ON ROAD SIDE.
167	31/05/2014	14:15	220kV NARELA - MANDOLA CKT-I	31/05/2014	20:34	AT NARELA : CKT. TRIPPED ON DIST PROT, Z-I, PHASE A AT MANDOLA ZONE-III, A PHASE, DIST PROT,

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

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