

DELHI TRANSCO LTD.

STATE LOAD DISPATCH CENTER

PROGRESS REPORT

APRIL 2015

S. No.	CONTENTS	Page No.
1.	Salient Features of Delhi Power System	3
2.	Performance of Generating Stations within Delhi	4
3.	Details of Outage of Generating Stations within Delhi	5-7
4.	Allocation of Power to Delhi from unallocated quota of central sector	8
5.	Allocation of Power to Discoms	9
6.	Power Availability Demand Position of Delhi at the time of occurrence of Peak Demand	10
7.	Power Availability Demand Position of Delhi at the time of occurrence of Maximum Un-Restricted Demand	11
8.	Source wise scheduled drawl from grid and Availability within Delhi	12-15
9.	Shedding Details	16-19
10.	Load Curve for the Day of Peak Demand	20
11.	Load Curve for the day of occurrence of Maximum Un-Restricted Demand	21
12.	Load Curve for the day of Maximum Energy Consumed	22
13.	Load Curve for the day of Maximum Un-Restricted Energy Demand	23
14.	Load Duration Curve	24
15.	Frequency Analysis	25
16.	Voltage Profile for significant 220kV Sub-Stations	26
17.	Voltage Profile for significant 400kV Sub-Stations	27-28
18.	Details of Capacitors Installations in Delhi	29-34
19.	Tripping Details of 400/220 KV System in Delhi Power System	35-38
20.	Details of Under frequency Relay operations in Delhi Power System	39

SALIENT FEATURES OF DELHI POWER SYSTEM

Sr. No.	Features	APRIL 2014	APRIL 2015
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	1372	1372
	TOWMCL	16	16
	Total	2936	2936
2	Maximum Unrestricted Demand (MW)	4469	4518
	Date	30.04.2014	30.04.15
	Time	15.30.00	15.32.55
3	Peak Demand met (MW)	4418	4517
	Date	30.04.2014	30.04.15
	Time	16.32.00	15.32.55
4	Peak Availability (MW)	4177	4379
5	Shortage (-) / Surplus (+) in MW	(-)241	(-) 138
6	Percentage Shortage (-) / Surplus (+)	(-)5.45	(-) 3.06
7	Maximum Energy Consume in a day (Mus)	90.566	92.955
8	Energy Consumed during the month	2121.946	2260.411
9	Load Shedding in Mus		
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	1.219	0.131
	BRPL	2.837	0.398
	BYPL	3.021	0.044
	NDMC	0.002	0.000
	MES	0.000	0.000
iv)	Due to transmission Constraints in Central Sector	0.000	0.000
	Total due to Grid Restriction	7.079	0.573
B)	Due to Constraints in System in Mus		
	DTL	0.563	0.699
	NDPL	0.625	0.240
	BRPL	0.255	0.216
	BYPL	0.376	0.275
	NDMC	0.000	0.000
	MES	0.000	0.000
	Other Agencies	0.064	0.000
	Total	1.883	1.430
11	Grand Total in Mus	8.962	2.003

2. PERFORMANCE OF GENERATING STATIONS WITHIN DELHI DURING APRIL 2015

A) For the month of April 2015

All Figures in MUs

S. No	Stations	Gross Generation	Aux. Consumption	Net Generation	Availability (%)	Backing Down
1.	RPH	17.594	3.014	14.580	64.36	41.315
2.	GT	65.412	2.078	63.334	75.39	79.515
3.	PPCL	146.484	3.549	142.935	98.14	83.887
4.	BTPS	165.316	20.52	144.796	69.62	168.885
5.	Rithala	0.000	0.060	-0.060	83.59	55.344
6.	Bawana	210.829	6.945	203.884	51.23	289.936
7.	Towmcl	13.058	1.794	11.264	--	--
	TOTAL	601.099	37.96	580.733	--	718.882

B) For the Year 2013-14 (Upto April 2015)

Power Station	Effective Capacity (MW)	Net Generation in MUs for Apr. 2015	Availability (%) for Apr 2015	PLF (%) for Apr 2015	Cumulative Generation in MUs upto Apr 2015 for the year 2015-16	Cumulative Availability in % upto Apr 2015 for the year 2015-16	Cumulative PLF in % upto Apr 2015 for the year 2015-16
RPH	135	14.580	64.36	16.45	14.580	64.36	16.45
GT	270	63.334	75.39	33.22	63.334	75.39	33.22
PPCL	330	142.935	98.14	61.74	142.935	98.14	61.74
BTPS	705	144.796	69.62	32.49	144.796	69.62	32.49
Rithala	108	-0.060	83.59	0.00	-0.060	83.59	--
Bawana	1372	203.884	51.23	21.11	203.884	51.23	21.11
Towmcl	16	11.264	--	113.35	11.264	--	--
TOTAL	2936	580.733	--	--	580.733	--	--

3 DETAILS OF OUTAGES OF GENERATING STNS. WITHIN DELHI W.E.F. APRIL 2014

RPH

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	67.5	01.04.15	23.20	02.04.15	19.50	Stopped due to low demand and high frequency
		04.04.15	13.15	30.04.15	23.59	

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
2	67.5	30.12.14	00.00	01.04.15	16.00	Machine under major overhauling
		02.04.15	12.55	07.04.15	23.59	Turbine trip
		08.04.15	00.00	20.04.15	06.45	Stopped due to low demand and high frequency
		21.04.15	09.50	21.05.15	15.15	Turbine tripped

(B) Gas Turbine

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	30	27.12.14	17.40	30.04.15	23.59	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	30.04.15	23.59	Machine stopped due to high vibration

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
3	30	02.03.15	17.45	04.04.15	10.45	Stopped due to low demand and high frequency
		04.04.15	16.02	04.04.15	12.50	Machine stopped to change absolute filter
		04.04.15	18.51	21.04.15	10.45	Stopped due to low demand and high frequency
		26.04.15	09.00	30.04.15	23.58	

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
4	30	02.03.15	17.45	04.04.15	16.40	Stopped due to low demand and high frequency
		04.04.15	20.12	15.04.15	11.08	
		16.04.15	00.55	21.04.15	11.32	
		27.04.15	15.00	30.04.15	23.59	

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
5	30	04.04.15	16.00	04.04.15	19.15	Stopped due to low demand and high frequency
		15.04.15	15.26	16.04.15	00.10	

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
6	30	26.04.15	09.00	27.04.15	14.02	Stopped due to low demand and high frequency

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG -1	30	19.11.14	21.35	30.04.15	23.59	Stopped due to low demand and high frequency

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG -2	30	02.03.15	12.40	04.04.15	15.59	Stopped due to low demand and high frequency
		04.04.15	16.05	04.04.15	17.38	
		04.04.15	18.10	15.04.15	15.20	
		16.04.15	00.55	21.04.15	14.57	
		27.04.15	15.00	30.04.15	23.59	

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG -3	30	--				

(C) PRAGATI

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	104	19.04.15	11.00	20.04.15	05.54	Stopped due to low demand and high frequency

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
2	104	01.04.15	00.00	19.04.15	07.47	Stopped due to low demand and high frequency
		24.04.15	15.09	24.04.15	16.31	Unit tripped on internal fault

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG	122					

(D) BADARPUR THERMAL POWER STATION

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	95	01.04.15	00.00	Contd.		Stopped due to low demand and high frequency

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
2	95	01.04.15	00.00	Contd.		Stopped due to low demand and high frequency

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
3	95	01.04.15	00.00	01.04.15	16.00	Economizer tube leakage
		01.04.15	16.00	20.04.15	22.50	Stopped due to low demand and high frequency

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
4	210	05.04.15	11.00	06.04.15	18.48	Water wall leakage

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
5	210	01.04.15	00.00	Contd.		Planned shutdown

(E) BAWANA CCGT POWER STATION

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	216	19.01.15	14.26	25.04.15	07.40	G.T.-I compressor stalled detected STG-I simultaneously tripped

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
2	216	13.04.15	16.18	13.04.15	17.48	Tripping of 2DA emergency section bus coupler, resultend GT-2 tripped on low lube oil pressure
		25.04.15	23.17	Contd.		Stopped due to low demand and high frequency

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
3	216	24.03.15	04.47	Contd.		Tripped due to G.T. -3 generator transformer engulfed in fire with huge blast

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
4	216	01.04.15	00.00	Cotnd.		Stopped due to low demand and high frequency

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG-1	254	13.04.15	16.18	13.04.15	19.16	Unit stopped due to tripping of G.T. -2
		20.04.15	13.32	20.04.15	15.31	Unit tripped due to PDMX appeared on GRP panel

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG-2	254	01.04.15	00.00	Contd.		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	31.04.15	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	31.04.15	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	31.04.15	23:59	Stopped due to low demand and high frequency

ALLOCATION OF POWER TO DELHI

A)

Time block 00.00hrs. to 24.00hrs. @ 0% allocation from Unallocated Quota from 01.04.2015

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	576	500	0	0	500
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	2126	1860	0	0	1860
<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	240	0	32	31	0	0	31
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	520	66	66	63	0	0	63
TOTAL	4065	272	479	455	0	0	455
<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	17627	1990	2992	2674	0	0	2674
<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	0	0	0	0	0
Ultra Mega Projects							
Sasan	3960	0	446	383	0	0	383
Grand Total	29047	2257	3698	3275	0	0	3275

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 APRIL 2015

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	10.55.42	46	77	150	0	276	16	189	754	2670	2324	346	3424	0	3424
2	19.23.18	-2	77	148	0	304	16	188	731	2732	2597	135	3463	0	3463
3	19.32.16	41	79	151	0	314	16	180	781	2605	2575	30	3386	0	3386
4	19.30.00	0	75	154	0	305	14	179	727	2447	2281	166	3174	46	3220
5	18.55.34	0	68	151	0	304	14	-3	534	2490	2268	222	3024	0	3024
6	19.39.32	0	80	149	0	309	15	61	614	2755	2562	193	3369	1	3370
7	19.25.31	0	80	153	0	315	15	176	739	2574	2583	-9	3313	0	3313
8	19.23.54	0	77	148	0	310	16	189	740	2713	2542	171	3453	0	3453
9	19.47.24	0	74	149	0	273	16	187	699	2743	2636	107	3442	1	3443
10	19.13.36	0	74	145	0	303	5	188	715	2825	2736	89	3540	0	3540
11	19.54.49	0	74	148	0	309	16	186	733	2721	2587	134	3454	1	3455
12	19.32.00	0	78	154	0	309	16	194	751	2348	2260	88	3099	0	3099
13	19.28.07	0	77	154	0	97	16	186	530	2874	2768	106	3404	0	3404
14	19.34.50	0	74	150	0	306	16	183	729	2741	260	2481	3470	1	3471
15	19.26.43	0	74	150	0	310	16	183	733	2933	2829	104	3666	1	3667
16	12.00.00	0	76	149	0	305	16	185	731	2848	2686	162	3579	0	3579
17	19.24.06	0	75	146	0	301	16	182	720	2984	2845	139	3704	0	3704
18	19.39.08	0	72	144	0	295	16	185	712	2910	2802	108	3622	8	3630
19	19.47.07	0	72	141	0	291	16	165	685	2914	2694	220	3599	1	3600
20	12.48.01	45	72	262	0	289	16	177	861	3161	2901	260	4022	39	4061
21	15.13.41	0	125	287	0	286	15	259	972	3112	2994	118	4084	0	4084
22	15.35.43	48	137	276	0	270	16	306	1053	3030	3024	6	4083	1	4084
23	15.35.41	46	141	260	0	286	6	308	1047	3158	3064	94	4205	1	4206
24	15.16.26	47	149	282	0	286	15	305	1084	3357	3091	266	4441	0	4441
25	15.12.43	46	143	292	0	310	16	312	1119	2841	2832	9	3960	0	3960
26	00.00.32	47	146	292	0	275	16	317	1093	2588	2756	-168	3681	0	3681
27	15.23.37	47	46	279	0	307	16	299	994	3163	3063	100	4156	0	4156
28	15.21.42	46	73	276	0	275	16	310	996	3269	3198	71	4265	21	4286
29	15.20.47	49	76	279	0	299	16	311	1030	3290	3130	160	4320	0	4320
30	15.32.55	49	70	280	0	299	16	305	1019	3498	3360	138	4517	1	4518

POWER AVAILABILITY- DEMAND POSITION AT THE TIME OF MAXIMUM UNRESTRICTED DEMAND DURING APRIL 2015

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	Towmel	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	10.55.42	46	77	150	0	276	16	189	754	2670	2324	346	3424	0	3424
2	19.23.18	-2	77	148	0	304	16	188	731	2732	2597	135	3463	0	3463
3	19.32.16	41	79	151	0	314	16	180	781	2605	2575	30	3386	0	3386
4	19.30.00	0	75	154	0	305	14	179	727	2447	2281	166	3174	46	3220
5	18.55.34	0	68	151	0	304	14	-3	534	2490	2268	222	3024	0	3024
6	19.39.32	0	80	149	0	309	15	61	614	2755	2562	193	3369	1	3370
7	19.25.31	0	80	153	0	315	15	176	739	2574	2583	-9	3313	0	3313
8	19.23.54	0	77	148	0	310	16	189	740	2713	2542	171	3453	0	3453
9	19.47.24	0	74	149	0	273	16	187	699	2743	2636	107	3442	1	3443
10	19.13.36	0	74	145	0	303	5	188	715	2825	2736	89	3540	0	3540
11	19.54.49	0	74	148	0	309	16	186	733	2721	2587	134	3454	1	3455
12	19.32.00	0	78	154	0	309	16	194	751	2348	2260	88	3099	0	3099
13	19.28.07	0	77	154	0	97	16	186	530	2874	2768	106	3404	0	3404
14	19.34.50	0	74	150	0	306	16	183	729	2741	260	2481	3470	1	3471
15	19.26.43	0	74	150	0	310	16	183	733	2933	2829	104	3666	1	3667
16	12.00.00	0	76	149	0	305	16	185	731	2848	2686	162	3579	0	3579
17	19.24.06	0	75	146	0	301	16	182	720	2984	2845	139	3704	0	3704
18	19.39.08	0	72	144	0	295	16	185	712	2910	2802	108	3622	8	3630
19	19.47.07	0	72	141	0	291	16	165	685	2914	2694	220	3599	1	3600
20	12.48.01	45	72	262	0	289	16	177	861	3161	2901	260	4022	39	4061
21	15.13.41	0	125	287	0	286	15	259	972	3112	2994	118	4084	0	4084
22	15.35.43	48	137	276	0	270	16	306	1053	3030	3024	6	4083	1	4084
23	15.35.41	46	141	260	0	286	6	308	1047	3158	3064	94	4205	1	4206
24	15.16.26	47	149	282	0	286	15	305	1084	3357	3091	266	4441	0	4441
25	15.12.43	46	143	292	0	310	16	312	1119	2841	2832	9	3960	0	3960
26	00.00.32	47	146	292	0	275	16	317	1093	2588	2756	-168	3681	0	3681
27	15.23.37	47	46	279	0	307	16	299	994	3163	3063	100	4156	0	4156
28	15.21.42	46	73	276	0	275	16	310	996	3269	3198	71	4265	21	4286
29	15.20.47	49	76	279	0	299	16	311	1030	3290	3130	160	4320	0	4320
30	15.32.55	49	70	280	0	299	16	305	1019	3498	3360	138	4517	1	4518

SOURCEWISE SCHEDULED DRAWL FROM NORTHERN GRID AS WELL AS AVAILABILITY WITHIN DELHI FOR APRIL 2015

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

A (i) RPH	17.594
(ii) GT+STG	65.412
(iii) PRAGATI	146.484
(iv) RITHALA	0.000
(v) BAWANA CCGT	210.829
(vi) Timarpur ó Okhla	13.058
TOTAL	453.006
B) AVAILABILITY FROM BTPS	17.440
C) AUXILIARY CONSUMPTION OF GENERATING STNs. EXCLUDING BTPS	17.440
D) NET GENERATION AVAILABLE WITHIN DELHI(A+B-C)	579.943

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	10.916	10.566	3.349	3.241
SALAL	48.001	46.467	14.727	14.256
SASAN	229.552	222.194	228.378	221.059
TANKAPUR	3.314	3.208	1.016	0.984
CHAMERA	27.381	26.503	8.400	8.131
CHAMERA -II	23.696	22.936	7.270	7.037
CHAMERA -III	15.201	14.713	4.663	4.514
DHAULIGANGA	8.360	8.093	2.565	2.483
SEWA -2	11.362	10.999	3.486	3.375
URI	37.320	36.127	11.451	11.085
URI-II	0.000	0.000	0.000	0.000
KOTESHWAR	9.050	8.761	9.050	8.761
PARBATI3	5.601	5.421	5.601	5.421
RAMPUR	0.000	0.000	0.000	0.000
MUNDRA_UMPP	0.000	0.000	0.000	0.000
ANTA (GAS)	7.655	7.412	4.109	3.978
ANTA (RLNG)	10.850	10.506	0.000	0.000
ANTA (LIQUID)	3.797	3.673	0.000	0.000
DADRI (GAS)	43.868	42.461	16.167	15.649
DADRI (RLNG)	19.718	19.094	0.000	0.000
DADRI (LIQUID)	0.461	0.445	0.000	0.000
AURAIYA (GAS)	23.349	22.597	8.171	7.908
AURAIYA (RLNG)	27.682	26.802	0.000	0.000
AURAIYA (LIQUID)	0.046	0.045	0.000	0.000
SINGRAULI	92.788	89.818	90.727	87.823
RIHAND -I	59.319	57.419	53.629	51.912
RIHAND -II	51.214	49.568	46.304	44.815
RIHAND -III	91.452	88.528	82.261	79.632
UNCHAAR-I	16.279	15.759	12.222	11.832
UNCHAAR-II	32.184	31.155	25.145	24.340
UNCHAAR-III	3.326	3.213	1.449	1.400
DADRI (TH)	356.293	344.905	272.927	264.207
DADRI (TH) STAGE-II	467.381	452.520	372.093	360.250
NAPP	28.402	27.492	28.402	27.492
RAPP 'B'	0.000	0.000	0.000	0.000
RAPP 'C'	35.852	34.708	35.852	34.708
NATHPA JHAKRI	40.494	39.196	30.209	29.240
DULASTI	28.934	28.008	28.934	28.008
TEHRI	21.108	20.433	21.108	20.433
JHAJJAR	0.000	0.000	0.000	0.000
KHELGAON	25.178	24.371	21.561	20.871
KHELGAON-II	106.488	103.084	92.887	89.922

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
FARAKA	14.650	14.182	11.725	11.350
TALA	5.229	5.062	5.229	5.062
TALCHER	0.000	0.000	0.000	0.000
DVC	50.161	49.609	49.609	48.025
UTTAR PRADESH	0.000	0.000	0.000	0.000
TRIPUA	0.000	0.000	0.000	0.000
MAHARASHTRA	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	169.420	167.548	167.548	162.206
DVC MEJIA (LT-08)(BYPL)	0.000	0.000	0.000	0.000
URS	0.254	0.246	0.254	0.246
JAMMU & KASHMIR	13.596	13.407	13.407	12.978
HIMACHAL PRADESH	0.000	0.000	0.000	0.000
PUNJAB	0.000	0.000	0.000	0.000
MADHYA PRADESH	0.000	0.000	0.000	0.000
HARYANA	0.000	0.000	0.000	0.000
DVC LT-9	0.000	0.000	0.000	0.000
HARYANA (LT-05)	32.856	32.404	32.404	31.373
WEST BENGAL	0.000	0.000	0.000	0.000
ORISSA	0.000	0.000	0.000	0.000
TO HARYANA	0.000	0.000	0.000	0.000
TO MEGHALAYA	0.000	0.000	0.000	0.000
TO UTTAR PRADESH	0.000	0.000	0.000	0.000
TO JAMMU & KASHMIR	0.000	0.000	0.000	0.000
TO KERALA	-0.347	-0.354	-0.354	-0.365
TO ASSAM	0.000	0.000	0.000	0.000
TO MADHYA PRADESH	0.000	0.000	0.000	0.000
TO JHARKHAND	0.000	0.000	0.000	0.000
TO RAJASTHAN	0.000	0.000	0.000	0.000
TO WEST BENGAL	-24.079	-24.351	-24.351	-25.156
BTPS TO MP	0.000	0.000	0.000	0.000
TO HIMACHAL PRADESH	0.000	0.000	0.000	0.000
TO ORISSA	-100.929	-102.052	-102.052	-105.422
POWER EXCHANGE(IEX)	89.117	86.233	89.117	86.233
TO POWER EXCHANGE (IEX)	-25.162	-25.987	-25.162	-25.987
POWRER EXCHANGE(PX)	0.000	0.000	0.000	0.000
TO POWER EXCHANGE (PX)	-16.251	-16.793	-16.251	-16.793
TO SHARE PROJECT (HARYANA)	-9.088	-9.388	-9.088	-9.388
TO SHARE PROJECT (PUNJAB)	-5.450	-5.627	-5.450	-5.627
TOTAL	2217.849	2143.337	1730.698	1663.508

C) AGENCY WISE BREAKUP OF ENERGY SCHEDULED DRAW 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	1307.662	1265.919	985.204	953.747
NTPC - ER	146.316	141.638	126.173	122.143
NHPC	220.085	213.042	91.463	88.535
NPC	64.253	62.199	64.253	62.199
SASAN	229.552	222.194	228.378	221.059
KOTESHWAR	9.050	8.761	9.050	8.761
MUNDRA_UMPP	0.000	0.000	0.000	0.000
NATHPA JHAKRI	40.494	39.196	30.209	29.240
TEHRI	21.108	20.433	21.108	20.433
TALA	5.229	5.062	5.229	5.062
JHAJJAR	0.000	0.000	0.000	0.000
TALCHER	0.000	0.000	0.000	0.000
DVC	50.161	49.609	49.609	48.025
UTTAR PRADESH	0.000	0.000	0.000	0.000
TRIPURA	0.000	0.000	0.000	0.000
MAHARASHTRA	0.000	0.000	0.000	0.000

NAME OF THE STATION	AVAILABILITY AT POWER PLANT	AVAILABILITY AT DELHI PERIPHERY	ALLOCATION MADE BY NRLDC AT POWER PLANT	ALLOCATION MADE BY NRLDC AT DELHI PERIPHERY
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	169.420	167.548	167.548	162.206
DVC MEJIA (LT-08)(BYPL)	0.000	0.000	0.000	0.000
URS	0.254	0.246	0.254	0.246
JAMMU & KASHMIR	13.596	13.407	13.407	12.978
HIMACHAL PRADESH	0.000	0.000	0.000	0.000
PUNJAB	0.000	0.000	0.000	0.000
MADHYA PRADESH(WR)	0.000	0.000	0.000	0.000
HARYANA	0.000	0.000	0.000	0.000
DVC (FOR NDPL) LT-09	0.000	0.000	0.000	0.000
HARYANA (LT -05)	32.856	32.404	32.404	31.373
WEST BENGAL	0.000	0.000	0.000	0.000
ORISSA	0.000	0.000	0.000	0.000
POWER EXCHANGE(IEX)	89.117	86.233	89.117	86.233
POWER EXCHANGE(PX)	0.000	0.000	0.000	0.000
TOTAL	2399.155	2327.889	1913.406	1852.239

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

NAME OF THE STATION	AVAILABILITY AT POWER PLANT	AVAILABILITY AT PERIPHERY	ALLOCATION MADE BY NRLDC AT POWER PLANT	ALLOCATION MADE BY NRLDC AT POWER PERIPHERY
TO HARYANA	0.000	0.000	0.000	0.000
TO MEGHALAYA	0.000	0.000	0.000	0.000
TO UTTAR PRADESH	0.000	0.000	0.000	0.000
TO JAMMU & KASHMIR	0.000	0.000	0.000	0.000
TO ASSAM	0.000	0.000	0.000	0.000
TO KERALA	-0.347	-0.354	-0.354	-0.365
TO MADHYA PRADESH	0.000	0.000	0.000	0.000
TO JHARKHAND	0.000	0.000	0.000	0.000
TO RAJASTHAN	0.000	0.000	0.000	0.000
TO WEST BENGAL	-24.079	-24.351	-24.351	-25.156
BTPS TO MP	0.000	0.000	0.000	0.000
TO HIMACHAL PRADESH	0.000	0.000	0.000	0.000
TO ORISSA	-100.929	-102.052	-102.052	-105.422
TO POWER EXCHANGE (IEX)	-25.162	-25.987	-25.162	-25.987
TO POWER EXCHANGE (PX)	-16.251	-16.793	-16.251	-16.793
TO SHARE PROJECT (HARYANA)	-9.088	-9.388	-9.088	-9.388
TO SHARE PROJECT (PUNJAB)	-5.450	-5.627	-5.450	-5.627
TOTAL	-181.306	-184.552	-182.708	-188.738
TOTAL SCHEDULED DRAWAL FROM THE GRID	2217.847	2143.337	1730.698	1663.501

TOTAL CONSUMPTION INCLUDING AUX. OF GENERATING STNs. EXCLUDING BTPS		2277.851
NET CONSUMPTION		2260.411
AVAILABILITY WITHIN DELHI		579.943
ACTUAL DRAWAL FROM THE GRID		1680.468
OVER DRAWAL(+)/UNDER DRAWAL(-) FROM THE GRID ON THE BASIS OF SCHEDULED ALLOCATION MADE BY NRLDC TO DELHI AT PERIPHERY		16.697
LOAD SHEDDING		2.003
UNRESTRICTED DEMAND (GROSS)		2279.854
UNRESTRICTED DEMAND (NET)		2262.414
MAX. NET CONSUMPTION		92.955 ON 30.04.2015
MAX. LOAD SHEDDING		250MW ON 29.04.2015 AT 11.25HRS.
PEAK LOAD	Peak Demand during the month	SHEDDING AT PEAK TIME
DAY PEAK	4517MW AT 15.32.55HRS ON 30.04.2015	1 MW
EVENING PEAK	4351MW AT 23.00HRS ON 30.04.2015	0 MW
P.L.F. OF GENCO AND PRAGATI STNs.	RPH	18.10%
	GT	33.65%
	PRAGATI	61.65%
	RITHALA	0.00%
	BAWANA	21.36%
	Timarpur Okhla	113.35%

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.15	0	0.000	0.000	0.000	0.000	0.000	0.000	0.015	0.000	0.000
02-Apr.15	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
03-Apr.15	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
04-Apr.15	0	0.000	0.000	0.000	0.000	0.000	0.000	0.036	0.000	0.000
05-Apr.15	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
06-Apr.15	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.006	0.000
07-Apr.15	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.000
08-Apr.15	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
09-Apr.15	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.006	0.000
10-Apr.15	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.007	0.000
11-Apr.15	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12-Apr.15	0	0.000	0.000	0.000	0.000	0.000	0.000	0.015	0.000	0.000
13-Apr.15	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14-Apr.15	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15-Apr.15	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
16-Apr.15	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17-Apr.15	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
18-Apr.15	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
19-Apr.15	0	0.000	0.000	0.000	0.000	0.000	0.044	0.080	0.032	0.000
20-Apr.15	0	0.000	0.000	0.000	0.000	0.000	0.000	0.241	0.052	0.000
21-Apr.15	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22-Apr.15	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
23-Apr.15	0	0.000	0.000	0.000	0.000	0.000	0.000	0.011	0.000	0.000
24-Apr.15	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25-Apr.15	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
26-Apr.15	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27-Apr.15	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.008	0.000
28-Apr.15	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
29-Apr.15	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.013	0.000
30-Apr.15	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.005	0.000
TOTAL	0	0.000	0.000	0.000	0.000	0.000	0.044	0.398	0.131	0.000

Date	Shedding due to Transmission/Grid Constraints in Central Sector Stations / TTC / ATC VOILATION				TOTAL	TOTAL SHEDDING DUE TO GRID RESTRICTIONS	Due to T&D Constraints				
	BSES		NDPL	NDMC			DTL				
	BYPL	BRPL					BSES		NDPL	NDMC	MES
			BYPL	BRPL			BYPL	BRPL			
	12	13	14	15	16=8to15	17=16+7	18	19	20	21	22
01-Apr.15	0.000	0.000	0.000	0.000	0.015	0.015	0.024	0.000	0.000	0.000	0.000
02-Apr.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
03-Apr.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
04-Apr.15	0.000	0.000	0.000	0.000	0.036	0.036	0.000	0.000	0.000	0.000	0.000
05-Apr.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
06-Apr.15	0.000	0.000	0.000	0.000	0.006	0.006	0.000	0.000	0.000	0.000	0.000
07-Apr.15	0.000	0.000	0.000	0.000	0.002	0.002	0.000	0.000	0.000	0.000	0.000
08-Apr.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
09-Apr.15	0.000	0.000	0.000	0.000	0.006	0.006	0.023	0.000	0.000	0.000	0.000
10-Apr.15	0.000	0.000	0.000	0.000	0.007	0.007	0.000	0.000	0.000	0.000	0.000
11-Apr.15	0.000	0.000	0.000	0.000	0.000	0.000	0.033	0.000	0.064	0.000	0.000
12-Apr.15	0.000	0.000	0.000	0.000	0.015	0.015	0.000	0.000	0.000	0.000	0.000
13-Apr.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14-Apr.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15-Apr.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
16-Apr.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17-Apr.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
18-Apr.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
19-Apr.15	0.000	0.000	0.000	0.000	0.156	0.156	0.000	0.067	0.004	0.000	0.000
20-Apr.15	0.000	0.000	0.000	0.000	0.293	0.293	0.000	0.000	0.010	0.000	0.000
21-Apr.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.008	0.000	0.000
22-Apr.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.008	0.000	0.000	0.000
23-Apr.15	0.000	0.000	0.000	0.000	0.011	0.011	0.000	0.391	0.000	0.000	0.000
24-Apr.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25-Apr.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
26-Apr.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27-Apr.15	0.000	0.000	0.000	0.000	0.008	0.008	0.000	0.000	0.000	0.000	0.000
28-Apr.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
29-Apr.15	0.000	0.000	0.000	0.000	0.013	0.013	0.002	0.000	0.062	0.000	0.000
30-Apr.15	0.000	0.000	0.000	0.000	0.005	0.005	0.000	0.000	0.000	0.000	0.000
TOTAL	0.000	0.000	0.000	0.000	0.573	0.573	0.082	0.469	0.148	0.000	0.000

ALL FIGURES IN MUS

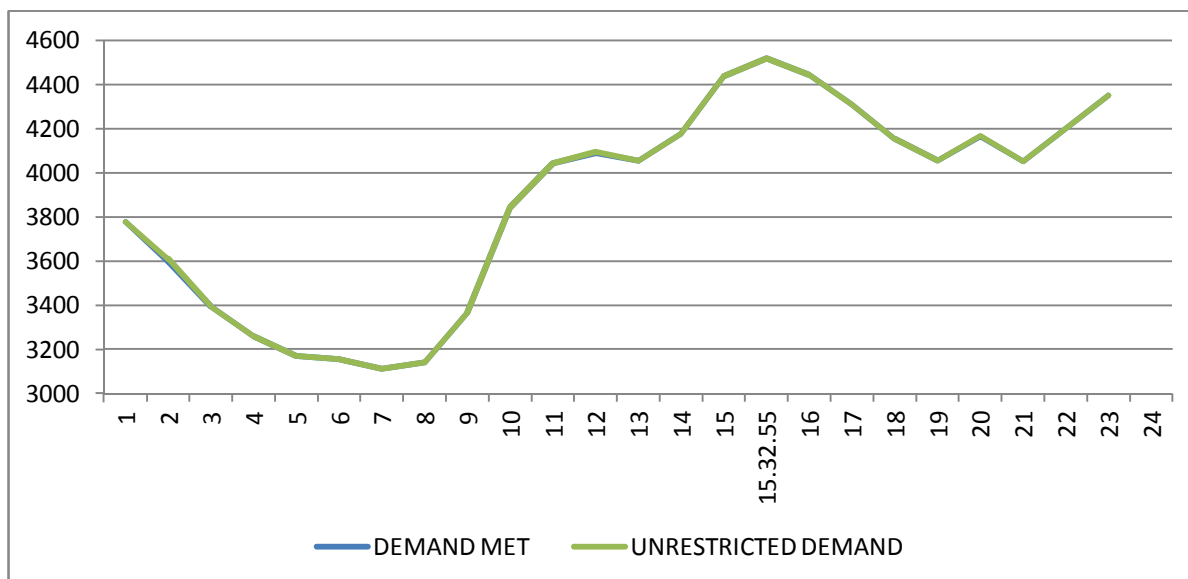
DATE	DUE TO T&D CONSTRAINTS				OTHER AGENCIES LIKE GENCO, BBMB, BTPS ETC.	THEFT PRONE SHEDDING			TOTAL SHEDDING DUE TO T&D CONSTS. & THEFT PRONE	GRAND TOTAL
	DISCOMS					BSES		NDPL		
	BSES		NDPL	NDMC		BSES				
	BYPL	BRPL				BYPL	BRPL			
1	23	24	25	26	27	28	29	30=18 to29	31=30+17	
01-Apr.15	0.000	0.013	0.000	0.000	0.000	0.000	0.000	0.007	0.044	0.049
02-Apr.15	0.006	0.000	0.004	0.000	0.000	0.000	0.000	0.003	0.013	0.013
03-Apr.15	0.000	0.006	0.001	0.000	0.000	0.000	0.000	0.004	0.011	0.011
04-Apr.15	0.003	0.016	0.004	0.000	0.000	0.000	0.000	0.003	0.026	0.062
05-Apr.15	0.000	0.020	0.000	0.000	0.000	0.000	0.000	0.009	0.029	0.029
06-Apr.15	0.000	0.000	0.004	0.000	0.000	0.000	0.000	0.016	0.020	0.026
07-Apr.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.003	0.005
08-Apr.15	0.014	0.008	0.003	0.000	0.000	0.000	0.000	0.003	0.028	0.028
09-Apr.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.007	0.030	0.036
10-Apr.15	0.000	0.002	0.005	0.000	0.000	0.000	0.000	0.003	0.010	0.017
11-Apr.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.100	0.100
12-Apr.15	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.011	0.026
13-Apr.15	0.025	0.002	0.000	0.000	0.000	0.000	0.000	0.003	0.030	0.030
14-Apr.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.003	0.003
15-Apr.15	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.004	0.005	0.005
16-Apr.15	0.000	0.027	0.014	0.000	0.000	0.000	0.000	0.008	0.049	0.049
17-Apr.15	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.003	0.013	0.013
18-Apr.15	0.000	0.010	0.009	0.000	0.000	0.000	0.000	0.003	0.022	0.022
19-Apr.15	0.014	0.000	0.013	0.000	0.000	0.000	0.000	0.012	0.110	0.266
20-Apr.15	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.007	0.027	0.320
21-Apr.15	0.000	0.007	0.000	0.000	0.000	0.000	0.000	0.011	0.029	0.029
22-Apr.15	0.000	0.008	0.000	0.000	0.000	0.000	0.000	0.005	0.021	0.021
23-Apr.15	0.003	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.396	0.407
24-Apr.15	0.000	0.003	0.000	0.000	0.000	0.000	0.000	0.008	0.011	0.011
25-Apr.15	0.004	0.045	0.000	0.000	0.000	0.000	0.000	0.002	0.051	0.051
26-Apr.15	0.023	0.000	0.003	0.000	0.000	0.000	0.000	0.002	0.028	0.028
27-Apr.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.008	0.008	0.016
28-Apr.15	0.118	0.022	0.001	0.000	0.000	0.000	0.000	0.011	0.152	0.152
29-Apr.15	0.055	0.000	0.000	0.000	0.000	0.000	0.000	0.009	0.128	0.141
30-Apr.15	0.000	0.017	0.000	0.000	0.000	0.000	0.000	0.005	0.022	0.027
TOTAL	0.275	0.216	0.072	0.000	0.000	0.000	0.000	0.168	1.430	2.003

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
1	32	33	34	35	36=33+35	37=39+40	38	39	40
01-Apr.15	69.079	3424	10:55:42	0	3424	3424	10:55:42	3424	0
02-Apr.15	65.896	3463	19:23:18	0	3463	3463	19:23:18	3463	0
03-Apr.15	65.267	3386	19:32:16	0	3386	3386	19:32:16	3386	0
04-Apr.15	61.177	3174	19:30	46	3220	3220	19:30	3174	46
05-Apr.15	58.731	3024	18:55:34	0	3024	3024	18:55:34	3024	0
06-Apr.15	66.277	3369	19:39:32	1	3370	3370	19:39:32	3369	1
07-Apr.15	66.633	3313	19:25:31	0	3313	3313	19:25:31	3313	0
08-Apr.15	68.635	3453	19:23:54	0	3453	3453	19:23:54	3453	0
09-Apr.15	68.440	3442	19:47:24	1	3443	3443	19:47:24	3442	1
10-Apr.15	71.620	3540	19:13:36	0	3540	3540	19:13:36	3540	0
11-Apr.15	70.882	3454	19:54:49	1	3455	3455	19:54:49	3454	1
12-Apr.15	64.175	3099	19:32	0	3099	3099	19:32	3099	0
13-Apr.15	66.428	3404	19:28:07	0	3404	3404	19:28:07	3404	0
14-Apr.15	69.219	3470	19:34:50	1	3471	3471	19:34:50	3470	1
15-Apr.15	74.103	3666	19:26:43	1	3667	3667	19:26:43	3666	1
16-Apr.15	73.099	3579	12:00	6	3585	3585	12:00	3579	6
17-Apr.15	75.945	3704	19:24:06	0	3704	3704	19:24:06	3704	0
18-Apr.15	74.503	3622	19:39:08	8	3630	3630	19:39:08	3622	8
19-Apr.15	72.125	3599	19:47:07	1	3600	3600	19:47:07	3599	1
20-Apr.15	85.461	4022	12:48:01	39	4061	4061	12:48:01	4022	39
21-Apr.15	85.849	4084	15:13:41	0	4084	4084	15:13:41	4084	0
22-Apr.15	87.894	4083	15:35:43	1	4084	4084	15:35:43	4083	1
23-Apr.15	87.428	4205	15:35:41	1	4206	4206	15:35:41	4205	1
24-Apr.15	90.110	4441	15:16:26	0	4441	4441	15:16:26	4441	0
25-Apr.15	86.587	3960	15:12:43	0	3960	3960	15:12:43	3960	0
26-Apr.15	77.811	3681	00:00:32	0	3681	3681	00:00:32	3681	0
27-Apr.15	85.868	4157	15:23:37	0	4157	4157	15:23:37	4157	0
28-Apr.15	87.430	4265	15:21:41	21	4286	4286	15:21:41	4265	21
29-Apr.15	90.784	4320	15:20:47	0	4320	4320	15:20:47	4320	0
30-Apr.15	92.955	4517	15:32:55	1	4518	4518	15:32:55	4517	1
TOTAL	2260.411	4517 30.04.2015	15:32:55	1	4518 30.04.2015	4518	15:32:55	4517	1

10 **LOAD PATTERN OF DELHI ON THE DAY OF PEAK DEMAND MET DURING APRIL 2015 ON 30.04.2015- 4517MW AT 15.32.55HRS.**

All figures in MW

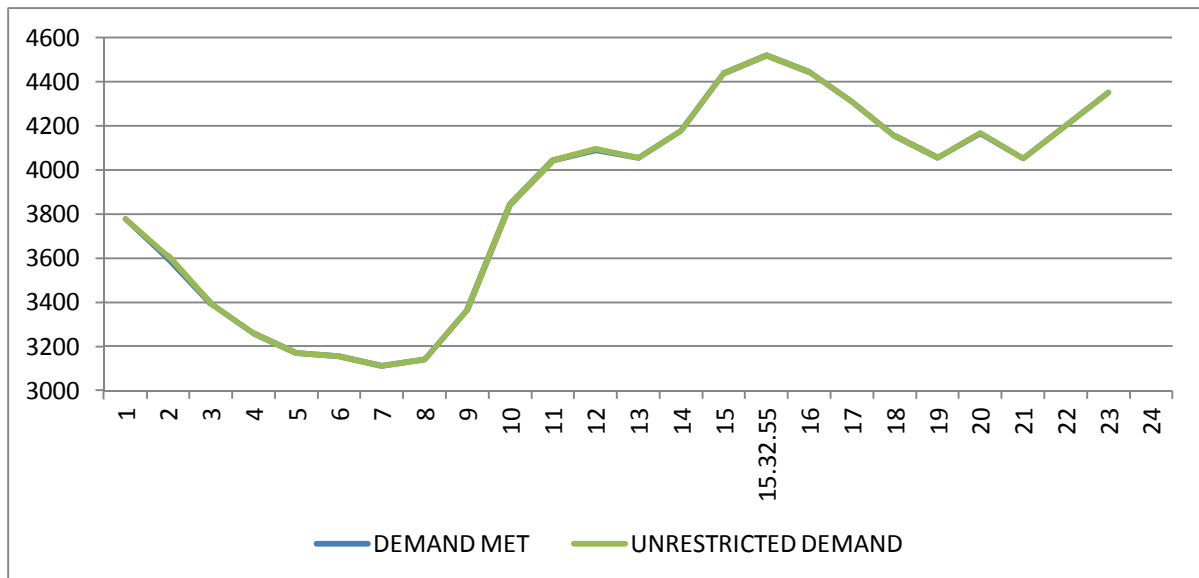
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1	3778	0	3778
2	3598	13	3611
3	3394	0	3394
4	3261	0	3261
5	3171	0	3171
6	3157	0	3157
7	3112	0	3112
8	3141	0	3141
9	3364	0	3364
10	3842	0	3842
11	4042	0	4042
12	4089	6	4095
13	4055	0	4055
14	4175	0	4175
15	4438	0	4438
15.32.55	4517	1	4518
16	4443	1	4444
17	4309	0	4309
18	4154	0	4154
19	4055	0	4055
20	4166	2	4168
21	4053	0	4053
22	4199	0	4199
23	4351	0	4351
24			
Total (IN MUS)	92.955	0.027	92.982



11 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UN-RESTRICTED DEMAND DURING APRIL 2015 ON 30.04.2015- 4518MW AT 15.32.55HRS.

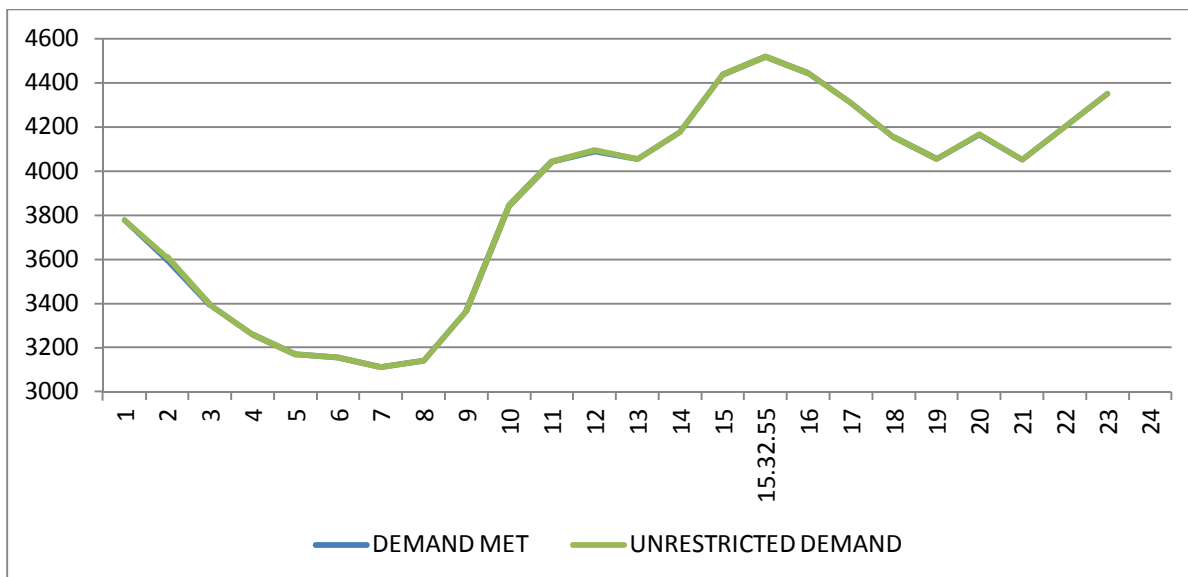
All figures in MW

Hrs.	Demand	Load Shedding	Un-Restricted Demand
1	3778	0	3778
2	3598	13	3611
3	3394	0	3394
4	3261	0	3261
5	3171	0	3171
6	3157	0	3157
7	3112	0	3112
8	3141	0	3141
9	3364	0	3364
10	3842	0	3842
11	4042	0	4042
12	4089	6	4095
13	4055	0	4055
14	4175	0	4175
15	4438	0	4438
15.32.55	4517	1	4518
16	4443	1	4444
17	4309	0	4309
18	4154	0	4154
19	4055	0	4055
20	4166	2	4168
21	4053	0	4053
22	4199	0	4199
23	4351	0	4351
24			
Total (IN MUS)	92.955	0.027	92.982



**12 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM ENERGY CONSUMED
DURING APRIL 2015 – 30.04.2015 – 92.955Mus All figures in MW**

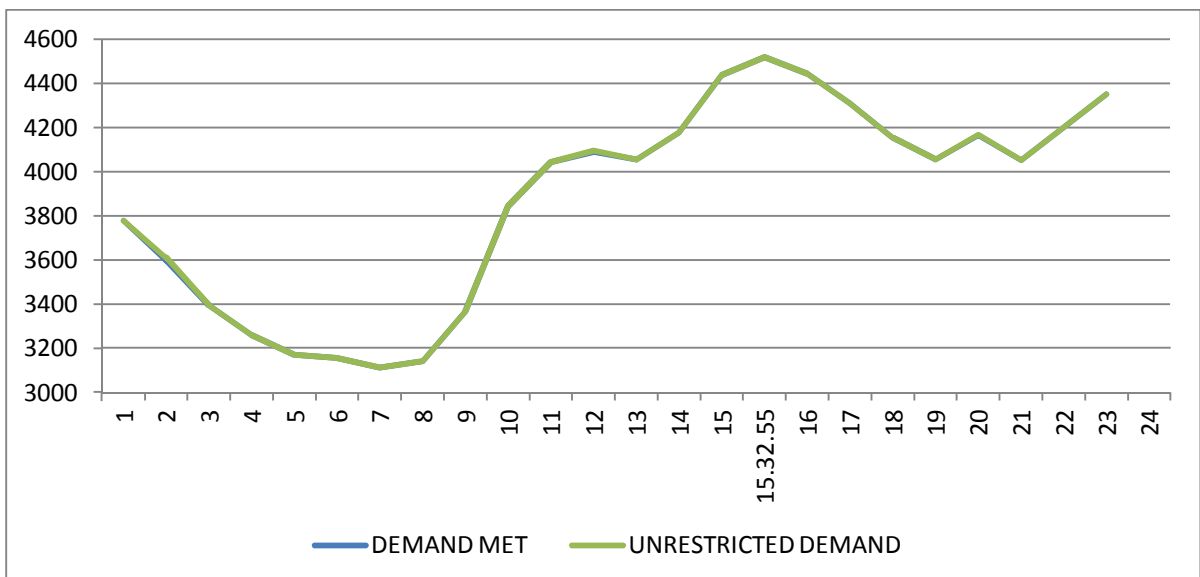
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1	3778	0	3778
2	3598	13	3611
3	3394	0	3394
4	3261	0	3261
5	3171	0	3171
6	3157	0	3157
7	3112	0	3112
8	3141	0	3141
9	3364	0	3364
10	3842	0	3842
11	4042	0	4042
12	4089	6	4095
13	4055	0	4055
14	4175	0	4175
15	4438	0	4438
15.32.55	4517	1	4518
16	4443	1	4444
17	4309	0	4309
18	4154	0	4154
19	4055	0	4055
20	4166	2	4168
21	4053	0	4053
22	4199	0	4199
23	4351	0	4351
24			
Total (IN MUS)	92.955	0.027	92.982



LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UNRESTRICTED ENERGY DEMAND DURING APRIL 2015 – 30.04.2015 – 92.982 Mus

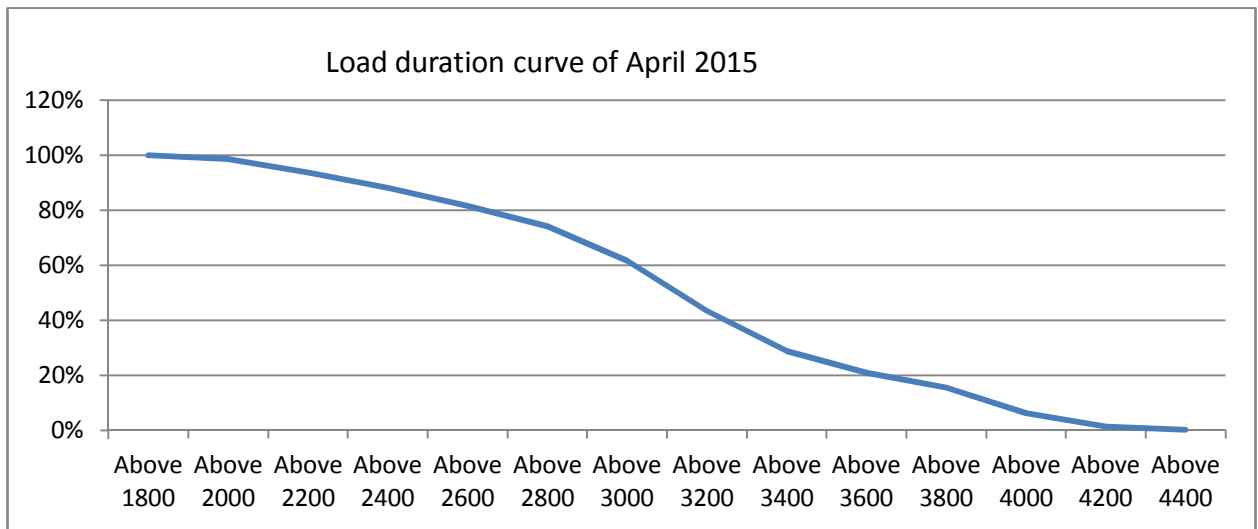
All figures in MW

Hrs.	Demand	Load Shedding	Un-Restricted Demand
1	3778	0	3778
2	3598	13	3611
3	3394	0	3394
4	3261	0	3261
5	3171	0	3171
6	3157	0	3157
7	3112	0	3112
8	3141	0	3141
9	3364	0	3364
10	3842	0	3842
11	4042	0	4042
12	4089	6	4095
13	4055	0	4055
14	4175	0	4175
15	4438	0	4438
15.32.55	4517	1	4518
16	4443	1	4444
17	4309	0	4309
18	4154	0	4154
19	4055	0	4055
20	4166	2	4168
21	4053	0	4053
22	4199	0	4199
23	4351	0	4351
24			
Total (IN MUS)	92.955	0.027	92.982



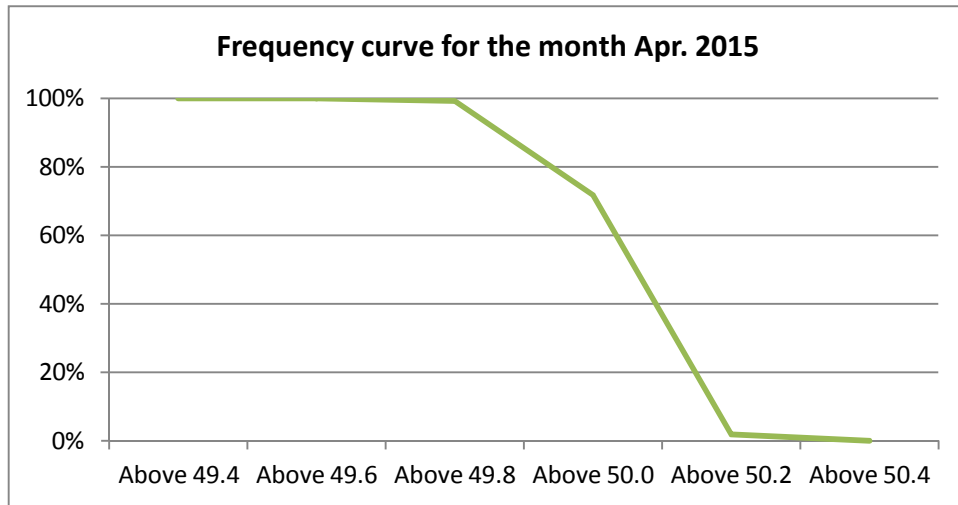
14 **LOAD DURATION CURVE FOR APRIL 2015**

Load in MW	Percentage of Time
Above 1800	100%
Above 2000	98.58%
Above 2200	93.75%
Above 2400	88.23%
Above 2600	81.74%
Above 2800	74.27%
Above 3000	61.56%
Above 3200	43.61%
Above 3400	28.96%
Above 3600	20.90%
Above 3800	15.63%
Above 4000	6.28%
Above 4200	1.39%
Above 4400	0.28%



FREQUENCY ANALYSIS FOR THE MONTH OF APRIL 2015

Frequency Range in Hz.	Percentage of time
50.2	1.94
50.0	71.88
49.8	99.38
49.6	99.97
49.4	100.00



16 VOLTAGE PROFILE OF 220 KV SUB-STATIONS IN DELHI DURING MARCH 2015

All figures in kV

Date	NARELA		GAZIPUR	
	Max	Min	Max	Min
01-Apr.15	223.5	--	222.85	--
02-Apr.15	--	--	218.86	218.86
03-Apr.15	--	--	218.86	218.86
04-Apr.15	--	-	218.86	218.86
05-Apr.15	--	--	218.86	218.86
06-Apr.15	227.63	--	223.37	212.12
07-Apr.15	229.95	215.63	221.69	200.93
08-Apr.15	229.17	215.37	227.24	201.7
09-Apr.15	230.85	212.54	223.76	206.22
10-Apr.15	229.95	214.34	224.40	207.25
11-Apr.15	230.72	216.92	223.63	--
12-Apr.15	231.37	219.63	226.85	211.38
13-Apr.15	230.72	215.76	227.24	198.99
14-Apr.15	228.01	213.18	225.3	--
15-Apr.15	228.53	212.79	219.63	--
16-Apr.15	229.82	213.44	225.56	190.61
17-Apr.15	229.43	211.76	221.05	195.13
18-Apr.15	227.63	213.83	223.63	207.38
19-Apr.15	227.50	213.44	223.63	191.77
20-Apr.15	225.69	208.15	223.37	--
21-Apr.15	224.40	213.18	226.72	--
22-Apr.15	224.14	210.09	223.63	208.57
23-Apr.15	223.63	211.50	220.79	205.57
24-Apr.15	223.50	211.38	218.60	206.60
25-Apr.15	223.37	214.47	219.89	206.99
26-Apr.15	225.95	212.79	219.50	206.22
27-Apr.15	221.44	213.05	214.99	204.93
28-Apr.15	227.63	210.86	221.05	203.38
29-Apr.15	224.92	--	218.21	205.31
30-Apr.15	223.76	--	217.82	204.93

Date	400kV Barnauli Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01-Apr.15	426.77	02.09.20	--	16.13	405.47
02-Apr.15	427.23	03.30.54	396.28	19.07	413.49
03-Apr.15	427.70	01.37.27	393.94	19.18	413.32
04-Apr.15	426.77	03.02.01	398.39	19.10	415.42
05-Apr.15	422.08	03.31.55	399.33	19.27	415.59
06-Apr.15	422.78	02.01.28	400.27	19.14	414.20
07-Apr.15	425.36	03.05.01	402.61	19.08	415.85
08-Apr.15	425.59	02.02.45	398.39	19.12	413.97
09-Apr.15	426.06	02.45.10	398.63	19.47	412.10
10-Apr.15	424.19	02.59.12	395.58	19.10	410.09
11-Apr.15	423.01	03.24.46	400.50	19.12	413.97
12-Apr.15	424.89	03.07.05	405.43	19.20	418.21
13-Apr.15	423.01	03.44.24	400.74	19.27	413.85
14-Apr.15	420.43	04.02.07	396.05	19.12	411.70
15-Apr.15	424.19	03.01.11	396.75	19.11	412.23
16-Apr.15	425.12	03.03.06	397.22	19.23	413.19
17-Apr.15	425.12	03.03.58	396.75	19.10	410.71
18-Apr.15	422.55	03.56.02	395.81	19.25	410.27
19-Apr.15	421.37	04.02.56	399.10	19.10	411.83
20-Apr.15	420.43	03.18.40	386.43	19.15	404.40
21-Apr.15	415.04	02.59.34	393.94	11.14	405.59
22-Apr.15	417.86	08.03.38	391.59	19.27	407.30
23-Apr.15	418.09	03.52.32	392.76	19.26	406.66
24-Apr.15	416.21	04.31.46	396.99	19.18	406.70
25-Apr.15	418.09	08.05.00	399.10	19.38	409.53
26-Apr.15	420.90	09.01.00	397.92	19.28	411.55
27-Apr.15	412.46	18.02.00	393.70	19.24	404.61
28-Apr.15	422.08	03.41.00	393.23	19.36	406.70
29-Apr.15	416.68	06.02.00	395.81	19.27	407.25
30-Apr.15	417.86	06.02.00	395.81	22.27	406.93

Date	400kV Bawana Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01-Apr.15	428.41	02.10.15	405.66	19.15.00	418.46
02-Apr.15	429.58	03.30.34	403.32	19.07.00	417.93
03-Apr.15	430.99	01.37.58	400.27	19.17.00	418.05
04-Apr.15	432.63	03.31.39	403.79	19.10.00	421.37
05-Apr.15	427.23	17.03.22	404.49	19.26.00	420.86
06-Apr.15	426.53	02.01.19	405.66	19.14.00	419.42
07-Apr.15	429.11	03.04.54	407.77	19.13.00	420.96
08-Apr.15	428.88	02.03.02	405.66	19.11.00	419.51
09-Apr.15	430.28	02.44.39	404.25	19.47.00	417.20
10-Apr.15	428.64	03.01.41	407.30	11.29.00	415.98
11-Apr.15	426.30	04.22.20	405.43	19.28.00	417.68
12-Apr.15	427.47	16.03.55	410.12	19.19.00	422.39
13-Apr.15	426.30	03.39.57	405.19	19.27.00	418.61
14-Apr.15	424.19	04.02.05	--	22.30.00	417.18
15-Apr.15	427.70	03.02.43	403.79	19.11.00	417.89
16-Apr.15	428.88	03.02.22	402.85	19.25.00	418.82
17-Apr.15	429.11	03.03.50	401.44	19.36.00	415.99
18-Apr.15	426.30	03.56.07	401.68	19.24.00	415.67
19-Apr.15	424.89	04.01.16	404.25	19.11.00	416.92
20-Apr.15	425.59	03.20.41	395.58	19.15.00	411.96
21-Apr.15	420.90	02.59.17	401.91	19.26.00	412.54
22-Apr.15	422.78	08.03.47	399.33	19.24.00	414.36
23-Apr.15	422.78	04.13.43	400.97	19.23.00	411.53
24-Apr.15	420.90	04.31.57	400.97	00.11.00	412.74
25-Apr.15	423.01	13.04.00	402.85	19.30.00	415.09
26-Apr.15	426.30	12.45.00	402.85	19.29.00	416.67
27-Apr.15	419.26	13.03.00	401.44	19.24.00	411.14
28-Apr.15	427.94	03.41.00	400.50	19.22.00	414.14
29-Apr.15	422.78	06.03.00	--	11.16.00	390.01
30-Apr.15	422.78	06.02.00	404.02	19.44.00	414.11

18 DETAILS OF LUMPED CAPACITORS AT NEAREST 220 KV SUBSTATION

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

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

Sl. No	SUB-STATION	INSTALLED CAPACITY			
		66KV	33kV	11kV	TOTAL
11	Wazirabad				
1	Bhagirathi		14.4	10.9	25.3
2	Ghonda	21.79	22.56	15.94	60.29
3	Seelam Pur		10.08	21.39	31.47
4	Dwarkapuri			15.46	15.46
5	Nandnagri	20.16		16.35	36.51
6	Yamuna Vihar			16.2	16.2
7	East of Loni Road			10.8	10.8
8	Shastri Park			10.9	10.9
9	Karawal Nagar			5.4	5.4
10	Sonia Vihar			7.2	7.2
	LT BYPL				10
		41.95	47.04	130.54	229.53
12	Geeta Colony				
1	Geeta Colony				0
2	Kanti Nagar			10.49	10.49
3	Kailash Nagar			10.9	10.9
4	Seelam Pur			15.48	15.48
5	Shakar Pur				0
	LT BYPL				5.8
		0	0	36.87	42.67
13	Gazipur S/stn	40		5.04	45.04
1	Dallupura	28.8		10.9	39.7
2	Vivek Vihar			9.57	9.57
3	GT Road			10.85	10.85
4	Kondli	20.16		10.85	31.01
5	MVR-I			10.9	10.9
6	MVR-II	20.16		10.9	31.06
7	PPG Ind. Area			10.06	10.06
	LT BYPL				20.6
		109.12	0	79.07	208.79
14	Patparganj S/stn	40	20	5.04	65.04
1	GH-I	19.89		10.45	30.34
2	GH-II	20.09		10.9	30.99
3	CBD		10.03	15.48	25.51
4	Guru Angad Nagar			15.49	15.49
5	Karkadooma		10.8	10.44	21.24
6	Preet Vihar			10.07	10.07
7	CBD-II			10.8	10.8
8	Shakarpur			10.8	10.8
9	Jhilmil			10.8	10.8
10	Dilshad Garden	20.16		16.35	36.51
11	Khichipur	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 WW	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	Kanjhawa 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	Kashmerigate 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 APRIL 2015

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
1	01-04-15	11:58	PARKSTREET 220/33kv 100MVA Tx-II	01-04-15	13:05	TX TRIPPED ON 51C,86 AND 33KV I/C-1 TRIPPED ON INTER TRIPPING.
2	01-04-15	11:58	PARKSTREET 220/33kv 100MVA Tx-I	01-04-15	13:05	TX TRIPPED ON 30G,86 AND 33KV I/C-1 TRIPPED ON INTER TRIPPING.
3	02-04-15	02:51	MUNDKA 400/220KV 315MVA ICT-III	02-04-15	17:19	ICT TRIPPED ON OIL SURGE RELAY,86B.
4	02-04-15	09:50	PATPARGANJ 33/11kv, 16MVA Tx	02-04-15	14:25	TX TRIPPED ON DIFFERENTIAL,86. R-PH LA OF 11KV I/C DAMAGED.
5	02-04-15	14:55	OKHLA 66/11kv, 20MVA Tx-I	02-04-15	14:58	11KV I/C-1 TRIPPED WITHOUT INDICATION ALONG WIYH 11KV GIRI NAGAR CKT-1.
6	02-04-15	22:32	NARELA 66/33kv, 30MVA Tx	02-04-15	23:40	33KV I/C TRIPPED ON O/C.
7	02-04-15	23:17	BAWANA 400/220kv 315MVA ICT-III	02-04-15	05:00	ICT TRIPPED ON 186A,175A,175C,86B-1,A/R
8	03-04-15	06:05	NARELA 66/33kv, 30MVA Tx	03-04-15	12:25	33KV I/C TRIPPED ON O/C.
9	03-04-15	06:07	PARKSTREET 220/66kv 100MVA Tx-I	03-04-15	14:43	TX TRIPPED ON 64REF,86.
10	03-04-15	06:07	220kv PRAGATI - SARITA VIHAR CKT	03-04-15	12:08	AT SARITA VIHAR CKT TRIPPED ON D/P,Z-1,A,B&C-PH DIST-1.752 KM. AT PRAGATI CKT TRIPPED ON D/P,Z-1,A,B&C-PH DIST-7.914 KM,186.
11	03-04-15	06:07	220kv SARITA VIHAR - BTPS CKT.-I	03-04-15	06:17	AT SARITA VIHAR CKT TRIPPED ON D/P, Y-PH, 95C, AUTO RECLOSE. NO TRIPPING AT BTPS.
12	04-04-15	01:20	220kv BAMNAULI-PAPPANKALAN-I CKT-I	04-04-15	01:30	AT PPK-1 CKT TRIPPED ON 86. NO TRIPPING AT BAMNAULI.
13	04-04-15	01:47	PARKSTREET 220/66kv 100MVA Tx-II	04-04-15	18:00	TX TRIPPED ON E/F, HV64RHV, 86B. 66KV I/C-2 TRIPPED ON INTER-TRIPPING.
14	04-04-15	02:01	400kv Dadri - Harsh Vihar Ckt. - II	04-04-15	03:01	AT HARSH VIHAR CKT TRIPPED ON 195CX,86,R,Y&B-PH.
15	04-04-15	04:50	220kv DSIIDC BAWANA-NARELA CKT-I	04-04-15	06:32	AT NRL CKT TRIPPED ON 186. NO TRIPPING AT DSIDC BAWANA.
16	06-04-15	13:25	220kv ROHINI-SHALIMARBAGH CKT-II	06-04-15	18:55	AT SHALIMARBARH CKT TRIPPED ON D/P,B&C-PH,186. NO TRIPPING AT ROHINI. TREE BRANCH FALL ON CKT NEAR TOWER NO-23.
17	08-04-15	09:32	220kv MEHRAULI - BTPS CKT. - II	08-04-15	14:40	AT MEHRAULI CKT TRIPPED ON D/P, Z-1, A,B&C-PH, DIST-1.698 KM. SPARKING OCCURED AT CB AND CT CLAMP. AT BTPS CKT TRIPPED ON D/P, Z-2, R-PH, DIST-16 KM.
18	09-04-15	19:11	220KV WAZIRABAD - MANDOLA CKT-IV	10-04-15	08:09	AT WAZIRABAD CKT TRIPPED ON D/P. AT MANDOLA CKT TRIPPED ON D/P,Z-1,DIST-12KM.
19	09-04-15	19:11	220KV WAZIRABAD - MANDOLA CKT-I	09-04-15	19:41	AT WAZIRABAD CKT TRIPPED ON D/P, DIST-5.1KM. NO TRIPPING AT MANDOLA.
20	11-04-15	09:55	220KV GAZIPUR - MAHARANIBAGH CKT. -II	11-04-15	14:52	CONDUCTOR OF 220KV MAHARANIBAGH-GAZIPUR CKT-2 SNAPPED NEAR KHICHARIPUR.
21	11-04-15	09:55	220KV GAZIPUR - MAHARANIBAGH CKT. -I	11-04-15	10:18	CKT TRIPPED WITHOUT INDICATION AT MAHARANIBAGH. NO TRIPPING AT GAZIPUR. CONDUCTOR OF 220KV MAHARANIBAGH-GAZIPUR CKT-2 SNAPPED NEAR KHICHARIPUR.

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
22	11-04-15	13:10	220kV GOPALPUR-MANDOLACKT-II	11-04-15	13:51	SPS OPERATED DUE TO TRIPPING OF ONE POLE OF HVDC RIHND-DADRI CKT.
23	11-04-15	13:10	220kV GOPALPUR-MANDOLACKT-I	11-04-15	13:51	SPS OPERATED DUE TO TRIPPING OF ONE POLE OF HVDC RIHND-DADRI CKT.
24	13-04-15	17:00	220kV MEHRAULI - BTPS CKT. - II	13-04-15	17:32	AT MEHRAULI CKT TRIPPED ON D/P,Z-1,DIST-7.47KM. AT BTPS CKT TRIPPED ON B-PH,D/P,Z-1,DIST-13.8KM.
25	15-04-15	13:35	220kV DIAL- MEHRAULI CKT-I	15-04-15	13:57	AT MEHRAULI CKT TRIPPED ON R,Y AND B-PH DIFFERENTIAL TRIP. NO TRIPPING AT DIAL. PROBLEM IN DIFFERENTIAL RELAY.
26	16-03-15	15:25	400kV Bamnauli-Jhatikara Ckt-I	30-05-15	18:00	S/D WAS AVAILED ON CKT FOR REPLACING RELAY AT 400KV BAMNAULI. AFTER CLEARANCE CKT WAS CHARGED AT 19:43 HRS BUT CKT TRIPPED ON D/P,Z-1, A-PH,DIST-335 METER. CKT STRAIGHT THROUGH JOINT BURNT AND CABLE DAMAGED.
27	16-04-15	16:14	400kV Bawana-Mundka Ckt-II	16-04-15	17:00	AT BAWANA CKT TRIPPED ON 186 CARRIER PROTECTION. NO TRIPPING AT MUNDKA.
28	17-04-15	12:40	INDRAPRASTHA POWER 33kV NIZAMUDDIN CKT (BAY-13)	17-04-15	21:48	CKT TRIPPED ON O/C,Y & B-PH, Y-PH CT BURNT.
29	17-09-14	15:33	220kV GAZIPUR - BTPS CKT	30-06-15	18:00	AT BTPS CKT TRIPPED ON D/P,Z-1,Y-PH, DIST-10.2KMS.AT GAZIPUR CKT TRIPPED ON D/P,Z-1,Y-PH, DIST-9.69KMS. CABLE FAULTY BEING REPLACED BY TRANSMISSION COMPANY OF UP .
30	17-04-15	18:42	ELECTRIC LANE 220/33kV 100MVA Tx-II	17-04-15	19:57	TX TRIPPED ON 295 SUPERVISION.
31	17-04-15	18:42	220kV Maharani Bagh- Electric Lane Ckt-II	30-05-15	18:30	AT MAHARANI BAGH CKT TRIPPED ON FAULT LOOP B TO E. AT ELECTRIC LANE CKT TRIPPED ON D/P,Z-1,C-PH,186,LBB, BUS BAR PROTECTION. CABLE DAMAGED DURING EXCAVATION BY MTNL.
32	17-04-15	20:10	OKHLA 33kV TUGLAKABAD CKT	17-04-15	23:36	CKT TRIPPED ON D/P. PTW TAKEN BY S/STN MAINTENANCE TEAM TO ATTENED OIL LEAKAGE FROM R-PH CT.
33	18-04-15	19:36	GOPALPUR 33kV DIFR CKT	18-04-15	20:43	CKT MADE OFF AS SPARKING OBSERVED AT RELAY.
34	19-04-15	08:06	220kV KANJHAWALA-NAJAFGARH CKT-2	19-04-15	08:26	AT NJF CKT TRIPPED ON 186,86. Y-PH CT OF 220KV BUS COUPLER DAMAGED AT KANJHAWALA S/STN.
35	19-04-15	08:06	220kV KANJHAWALA-NAJAFGARH CKT	19-04-15	08:26	AT NJF CKT TRIPPED ON 186,86. Y-PH CT OF 220KV BUS COUPLER DAMAGED AT KANJHAWALA S/STN.
36	19-04-15	08:06	NAJAFGARH 220/66kV 100MVA Tx-II	19-04-15	08:37	TX TRIPPED ON 86.
37	19-04-15	08:06	NAJAFGARH 220/66kV 100MVA Tx-I	19-04-15	08:37	TX TRIPPED ON 86.
38	19-04-15	08:06	NAJAFGARH 220/66kV 100MVA Tx-IV	19-04-15	08:42	TX TRIPPED ON 86.

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
39	19-04-15	11:52	220KV KANJHAWALA-NAJAFGARH CKT-2	19-04-15	12:14	AT KANJHAWALA CKT TRIPPED ON D/P,RY&B-PH. 220KV BUS COUPLER ALSO TRIPPED ON O/C. AT NJF CKT TRIPPED ON D/P,C-PH,DIST-5.789KM.
40	19-04-15	12:22	220KV KANJHAWALA-NAJAFGARH CKT-2	19-04-15	16:25	AT NJF CKT TRIPPED ON D/P,C-PH,DIST-8.336KM. AT KANJHAWALA CKT TRIPPED ON D/P,RY&B-PH. 220KV BUS COUPLER ALSO TRIPPED ON O/C.
41	19-04-15	12:35	220KV GAZIPUR - MAHARANIBAGH CKT. -II	19-04-15	13:38	AT MAHARANI BAGH CKT TRIPPED ON D/P,Z-2,AUTO RECLOSE. NO TRIPPING AT GAZIPUR.
42	19-04-15	12:35	GAZIPUR 220/66kv 160MVA Tx-I	19-04-15	13:30	TX TRIPPED ON O/C,E/F,86 AND 66KV I/C TRIPPED ON 86.
43	19-04-15	13:07	220KV BAMNAULI-PAPPANKALAN-II CKT-I	19-04-15	13:52	AT BAMNAULI CKT TRIPPED ON D/P,B&C-PH. AT PPK-2 CKT TRIPPED ON 86.
44	19-04-15	13:24	220KV NARELA - MANDOLA CKT-I	19-04-15	14:11	AT NARELA CKT TRIPPED ON D/P,Z-1,A-PH,DIST-6.39KM. AT MANDOLA CKT TRIPPED ON D/P,R-PH,Z-3.
45	19-04-15	14:21	220KV BAMNAULI-NAJAFGARH CKT-II	19-04-15	19:57	AT BAMNAULI CKT TRIPPED ON D/P,Z-2,C-PH,186A&B. AT NJF CKT TRIPPED ON D/P,Z-2,AB&C-PH,DIST-8.294KM.
46	19-04-15	23:53	220KV BAWANA - KANJHAWALA CKT	20-04-15	12:18	AT BAWANA CKT TRIPPED ON D/P,Z-1,DIST9.05KM,A/R. NO TRIPPING AT KANJHAWALA. HOWEVER 220KV BUS COUPLER TRIPPED ON O/C,E/F AT KANJHAWALA.
47	19-04-15	23:53	220KV BAWANA - KANJHAWALA CKT-2	20-04-15	19:08	AT BAWANA CKT TRIPPED ON D/P,DIAT-8.49KM,A/R.NO TRIPPING AT KANJHAWALA. B-PH CT OF CKT DAMAGED AND 220KV BUS COUPLER TRIPPED ON O/C,E/F AT KANJHAWALA.
48	20-04-15	10:32	HARSH VIHAR 220/66KV 160MVA ICT-1	20-04-15	10:35	TX TRIPPED ON 86.
49	21-04-15	09:45	220KVBAWANA- ROHINI CKT-I	21-04-15	10:16	AT BAWANA CKT TRIPPED ON D/P,C-PH,47TF. AT ROHINI CKT TRIPPED ON D/P,C-PH.
50	21-04-15	09:55	GAZIPUR 220/66kv 160MVA Tx-I	21-04-15	10:05	TX TRIPPED ON 86,INRUSH DIRECT RELAY. I/C TRIPPED ON INTER TRIPPING.
51	21-04-15	12:00	220KV BAMNAULI-NAJAFGARH CKT-I	21-04-15	12:07	AT NJF CKT TRIPPED ON 186. NO TRIPPING AT BAMNAULI.
52	22-04-15	00:20	220KV BAMNAULI-NAJAFGARH CKT-I	22-04-15	00:31	AT NJF CKT TRIPPED ON 186. NO TRIPPING AT BAMNAULI.
53	22-04-15	00:20	220KV BAMNAULI-NAJAFGARH CKT-II	22-04-15	00:31	AT NJF CKT TRIPPED ON 186. NO TRIPPING AT BAMNAULI.
54	22-04-15	08:20	TRAUMA CENTER 220/33kv 100MVA Tx-I	22-04-15	10:17	TX TRIPPED ON DIFFERENTIAL PROTECTION 86 A&B.
55	22-04-15	14:16	220KV SHALIMARBAGH-WAZIRPUR CKT-II	22-04-15	14:30	AT SMB CKT TRIPPED ON FOT. NO TRIPPING AT WAZIRPUR.
56	23-04-15	02:38	220KV BAMNAULI-NAJAFGARH CKT-II	23-04-15	19:40	AT NJF CKT TRIPPED ON 186. FLASH AT R-PH CT AND CAUGHT FIRE.
57	23-04-15	02:38	220KV BAMNAULI-NAJAFGARH CKT-I	23-04-15	04:16	AT NJF CKT TRIPPED ON 186. NO TRIPPING AT BAMNAULI.

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
58	23-04-15	16:46	220kV GAZIPUR- PATPARGANJ CKT	23-04-15	16:52	CKT TRIPPED AT PPG ON DIFFERENTIAL PROTECTION DURING TESTING OF RELAY. NO TRIPPING AT GAZIPUR.
59	24-04-15	13:30	220kV BAMNAULI-NAJAFGARH CKT-II	24-04-15	13:55	AT BAMNAULI CKT TRIPPED ON D/P,Z-2,B-PH,186A&B. AT NJF CKT TRIPPED ON D/P,Z-1,A-PH,DIST-6.4KM.
60	24-04-15	13:30	220kV BAMNAULI - DIAL CKT-I	24-04-15	13:47	AT BAMNAULI CKT TRIPPED ON D/P,C-PH,186A&B. NO TRIPPING AT DIAL.
61	25-04-15	01:50	INDRAPRASTHA 220/33kV 100MVA Tx-I	25-04-15	15:45	TX TRIPPED ON REF LV SIDE.
62	28-04-15	10:40	VASANT KUNJ 20MVAR CAP. BANK-II	28-04-15	12:30	CAP BANK TRIPPED ON E/F,86.
63	29-04-15	02:35	INDRAPRASTHA POWER 220/33kV 100MVA Tx-I	29-04-15	18:35	TX TRIPPED WITHOUT INDICATION.
64	29-04-15	02:35	220 KV PATPARGANJ - I.P. CKT-II	29-04-15	20:50	AT IP CKT TRIPPED WITHOUT INDICATION. NO TRIPPING AT PPG S/STN.
65	29-04-15	11:25	220kV GOPALPUR-MANDOLACKT-I	29-04-15	11:42	MAL-OPERATION OF SPS AT MANDOLA.
66	29-04-15	11:25	220kV GOPALPUR-MANDOLACKT-II	29-04-15	11:42	MAL-OPERATION OF SPS AT MANDOLA.
67	29-04-15	20:18	220kV GOPALPUR-SUBZI MANDI CKT-II	29-04-15	20:32	AT GOPALPUR CKT TRIPPED WITHOUT INDICATION. NO TRIPPING AT SUBZIMANDI.
68	29-04-15	21:08	220kV GOPALPUR-SUBZI MANDI CKT-II	29-04-15	21:36	AT GOPALPUR CKT TRIPPED WITHOUT INDICATION. NO TRIPPING AT SUBZIMANDI.
69	29-04-15	22:03	220kV GOPALPUR-SUBZI MANDI CKT-II	30-04-15	02:21	AT GOPALPUR CKT TRIPPED WITHOUT INDICATION.PROBLEM IN CB CONTROL WIRING. NO TRIPPING AT SUBZIMANDI.
70	30-04-15	11:35	SARITA VIHAR 66/11kV, 20MVA Tx-II	30-04-15	12:00	TX TRIPPED ON E/F.

20 DETAILS OF UNDER FREQUENCY RELAY OPERATIONS IN DELHI POWER SYSTEM DURING THE MONTH OF APRIL 2015

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