DELHI TRANSCO LTD.

STATE LOAD DISPATCH CENTER

PROGRESS REPORT

****

JULY 2015

1 SALIENT FEATURES OF DELHI POWER SYSTEM

Sr. No.	Features	JULY 2014	JULY 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)**	**6006**	**5743**
	Date	15.07.2014	03.07.15
	Time	15.20.20	15.39.10
3	**Peak Demand met (MW)**	**5925**	**5743**
	Date	15.07.2014	03.07.15
	Time	15.20.20	15.39.10
4	Peak Availability (MW)	5766	
5	Shortage (-) / Surplus (+) in MW	(-)159	(-) 138
6	Percentage Shortage (-) / Surplus (+)	(-) 2.68	(-) 3.06
7	Maximum Energy Consume in a day (Mus)	121.410	113.322
8	Energy Consumed during the month	**3309.757**	**3115.526**
9	**Load Shedding in Mus**		
A)	Due to Grid Restrictions		
i)	Under Frequency Relay Operations	0.000	0.001
ii)	Manual Load shedding from DTL S/Stns.	0.000	0.000
iii)	Load Shedding due to low frequency / Low Voltage / TTC/ATC Violation		
	NDPL	0.463	0.193
	BRPL	0.669	0.307
	BYPL	0.064	0.000
	NDMC	0.000	0.008
	MES	0.000	0.000
iv)	Due to transmission Constraints in Central Sector	0.000	0.000
	Total due to Grid Restriction	**1.196**	**0.509**
B)	Due to Constraints in System in Mus		
	DTL	6.122	0.986
	NDPL	0.250	0.160
	BRPL	2.499	1.091
	BYPL	0.787	0.470
	NDMC	0.000	0.000
	MES	0.000	0.000
	Other Agencies	0.082	0.129
	Total	**9.740**	**2.836**
11	**Grand Total in Mus**	**10.936**	**3.345**

2. PERFORMANCE OF GENERATING STATIONS WITHIN DELHI DURING JULY 2015

A) For the month of July 2015

All Figures in MUs

S. No	Stations	Gross Generation	Aux. Consumption	Net Generation	Availability (%)	Backing Down
1.	**RPH**	0.000	1.484	-1.484	80.15	71.424
2.	**GT**	47.706	2.082	45.624	61.33	74.20
3.	**PPCL**	149.568	3.975	145.593	96.95	85.85
4.	**BTPS**	302.370	30.020	272.350	101.21	197.10
5.	**Rithala**	0.000	0.062	-0.062	**89.17**	61.01
6.	**Bawana**	123.762	6.565	117.197	62.18	456.98
7.	**Towmcl**	13.305	2.049	11.256	--	--
	TOTAL	**636.711**	**46.237**	**590.474**	**--**	**946.564**

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

Power Station	Effective Capacity (MW)	Net Generation in MUs for July 2015	Availability (%) for July 2015	PLF (%) for July 2015	Cumulative Generation in MUs upto July 2015 for the year 2015-16	Cumulative Availability in % upto July 2015 for the year 2015-16	Cumulative PLF in % upto July 2015 for the year 2015-16
RPH	135	-1.484	80.15	-1.07	39.171	67.97	10.28
GT	270	45.624	61.33	23.26	222.516	65.23	28.76
PPCL	330	145.593	96.95	60.90	653.912	96.14	69.45
BTPS	705	272.350	101.21	59.04	724.608	88.91	47.90
Rithala	108	-0.062	**89.17**	--	-0.244	**88.08**	**--**
Bawana	1372	117.197	62.18	12.19	703.576	58.15	18.05
Towmcl	16	11.256	--	--	45.895	--	--
TOTAL	2936	**590.474**	**--**	**--**	**2389.434**	**--**	--

3 DETAILS OF OUTAGES OF GENERATING STNS. WITHIN DELHI W.E.F. APRIL 2015 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	06.05.15	22.40	
		08.05.15	13.40	11.05.15	24.00	Tripped on boiler tube leakage
		12.05.15	00.00	21.05.15	11.00	Stopped due to low demand and high frequency
		21.05.15	11.00	31.05.15	08.00	Stopped due to coal shortage
		31.05.15	08.00	31.07.15	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	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
		07.05.15	00.50	07.05.15	04.20	Tripped on heavy jerk
		21.05.15	10.20	31.05.15	08.00	Stopped due to shortage of coal
		31.05.15	08.00	31.07.15	23.59	Stopped due to low demand and high frequency

(B) Gas Turbine

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	30	27.12.14	17.40	12.05.15	18.45	Stopped due to low demand and high frequency
		19.05.15	18.02	12.06.15	13.15	
		12.06.15	22.48	24.06.15	12.30	
		24.06.15	12.31	30.06.15	11.50	Machine not available due to problem in diesel engine.
		30.06.15	12.10	31.07.15	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	31.07.15	23.59	Machine stopped due to high viberation

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	06.05.15	14.30	
		11.05.15	08.16	11.05.15	11.13	
		12.05.15	14.45	21.05.15	16.05	
		22.05.15	00.20	22.05.15	10.26	
		22.05.15	15.40	22.05.15	15.55	Machine came on FSNL due to jerk
		23.05.15	17.30	31.07.15	23.59	Stopped due to low demand and high frequency

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
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	06.05.15	10.46	
		12.05.15	18.50	21.05.15	15.57	
		22.05.15	00.20	23.05.15	09.48	
		23.05.15	17.20	31.05.15	17.46	
		31.05.15	18.33	12.06.15	13.05	
		13.06.15	14.40	15.06.15	23.59	Machine tripped due to grid disturbance after that stopped due to low demand and high frequency
		16.06.15	00.00	02.07.15	23.59	Stopped due to low demand and high frequency
		03.07.15	00.53	03.07.15	01.26	Heavy jerk observed in control room and machine tripped on Electrical trouble normal shutdown and loss of excitation
		04.07.15	19.20	17.07.15	20.22	Stopped due to low demand and high frequency
		17.07.15	20.22	31.07.15	23.59	Machine nota available due to damage of LV side y phase bushing of Unit transformer.

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	
		22.05.15	15.40	22.05.15	18.50	Machine came on FSNL due to jerk
		31.05.15	12.40	06.06.15	15.22	Machine tripped on electrical trouble normal shutdown
		06.06.15	15.44	12.06.15	13.37	Stopped due to low demand and high frequency
		13.06.15	14.40	13.06.15	15.01	Machine came on FSNL due to grid disturbance
		21.06.15	11.15	22.06.15	10.20	Stopped due to low demand and high frequency
		25.06.15	07.30	26.06.15	14.02	
		23.07.15	13.13	23.07.15	14.07	Macine tripped due to Islanding from 220 side PPS-I.
		28.07.15	16.52	28.07.15	18.30	Tripped due to electrical trouble normal shut down. 52 Pr protection fuse failure alarm appeared on protection pannel.
		28.07.15	19.07	29.07.15	00.32	Tripped due to electrical trouble normal shut down. 52 Pr protection fuse failure alarm appeared on protection pannel. Plug P1 replaced with new plug

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
		11.05.15	08.17	11.05.15	11.25	
		22.05.15	15.40	22.05.15	15.58	Machine came on FSNL due to jerk
		13.06.15	14.40	13.06.15	15.05	Machine came on FSNL due to grid disturbance
		02.07.15	11.16	04.07.15	18.10	Stopped due to Oil leakage in GT-6
		06.07.15	19.26	07.07.15	16.00	Stopped as per SLDC message
		07.07.15	16.00	10.07.15	23.00	Stopped to attend oil leakge from GT.
		10.07.15	23.00	13.07.15	10.22	Machine available but not taken on load due low schedule
		14.07.15	03.50	14.07.15	04.06	Machine came on FSNL due to tripping of 20 MVA Transformer
		17.07.15	08.20	17.07.15	08.25	Machine came on FSNL due to tripping of 20 MVA Transformer
		23.07.15	13.13	23.07.15	14.12	Macine tripped due to Islanding from 220 side PPS-I.

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG -1	30	19.11.14	21.35	12.05.15	23.00	Stopped due to low demand and high frequency
		19.05.15	17.15	19.05.15	18.00	Machine tripped on FJB vibeeration very high
		19.05.15	18.00	20.05.15	11.30	Stopped due to low demand and high frequency
		20.05.15	11.30	09.06.15	23.59	Machine is N/A due to fire in cable
		10.06.15	00.00	12.06.15	22.39	Stopped due to low demand and high frequency
		12.06.15	22.39	13.06.15	12.00	Machine could not be taken on load due to problem in vaccum
		13.06.15	12.00	20.06.15	17.30	Stopped due to low demand and high frequency
		20.06.15	17.30	22.06.15	12.00	Machine not available due to vaccum problem
		22.06.15	12.00	24.06.15	12.30	Stopped due to low demand and high frequency
		24.06.15	12.30	30.06.15	13.00	Machine not available due to problem in G.T. -1
		30.06.15	13.00	31.07.15	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	06.05.15	13.32	
		12.05.15	11.18	12.05.15	12.11	Machine tripped on reverse power operation
		12.05.15	12.30	22.05.15	14.55	Machine tripped on axial shift very high
		22.05.15	15.40	22.05.15	16.48	Machine tripped due to jerk
		23.05.15	14.00	12.06.15	17.56	Machine tripped on axile shift very high
		13.06.15	14.40	13.06.15	23.59	Machine tripped due to grid disturbance and further Stopped due to low demand and high frequency
		14.06.15	00.00	02.07.15	13.15	Stopped due to low demand and high frequency
		02.07.15	13.15	02.07.15	22.58	Stopped due to Diaphragm break up.
		03.07.15	00.53	03.07.15	02.42	Machine tripped as GT# 4 tripped on loss of exciatation.
		04.07.15	19.20	31.07.15	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 -3	30	08.05.15	04.55	08.05.15	08.15	Machine tripped due to generator back up impendance relay 21G operated
		22.05.15	15.40	22.05.15	19.05	Machine tripped due to jerk
		13.06.15	14.40	13.06.15	16.50	Machine tripped due to grid disturbance and further Stopped due to low demand and high frequency
		21.06.15	11.15	22.06.15	11.05	Stopped due to low demand and high frequency
		24.06.15	01.46	24.06.15	03.05	Machine tripped due to tripping of 20MVA pr. Tr.
		25.06.15	07.30	26.06.15	14.58	Stopped due to low demand and high frequency
		04.07.15	12.20	04.07.15	15.30	machine tripped due to drum level high. FD-7 not operated and both FRS valves having heavy passing
		10.07.15	21.10	10.07.15	22.25	Heavy jerk observed in control room and machine tripped. Relay 84,2B operated.
		14.07.15	03.50	14.07.15	05.52	All of sudden jerk observed in control room & 20 MVA trnasformer tripped on relay 51& 64 opertaed. STG#3 tripped with jerk.
		17.07.15	08.20	17.07.15	09.36	All of sudden jerk observed in control room & 20 MVA trnasformer tripped on relay 51 opertaed. STG#3 tripped with jerk.
		23.07.15	13.13	23.07.15	17.15	Macine tripped due to Islanding from 220 side PPS-I.

(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
		06.05.15	09.13	06.05.15	12.22	Stopped by DTL to attend hot spot
		10.05.15	07.21	10.05.15	17.13	Stopped due to low demand and high frequency
		28.05.15	04.37	28.05.15	08.37	Unit tripped due to grid disturbance
		06.05.15	09.13	06.05.15	12.22	Unit stopped as desired by DTL to attend hot spot
		10.05.15	07.21	10.05.15	17.13	Stopped due to low demand and high frequency
		28.05.15	04.37	28.05.15	08.37	Unit tripped due to grid disturbance
		03.06.15	15.25	05.06.15	11.08	Machine stopped to attend hot spot.
		13.06.15	14.40	13.06.15	15.46	Machine tripped due to grid disturbance
		04.07.15	20.11	04.07.15	21.20	Unit tripped on grid disturbance
		09.07.15	14.59	09.07.15	15.40	Unit tripped due to gas pressure disturbance at GAIL end.
		22.07.15	23.30	25.07.15	06.00	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
		16.05.15	00.00	18.05.15	08.44	Stopped due to low demand and high frequency
		20.05.15	04.01	20.05.15	10.05	
		16.05.15	00.00	18.05.15	08.44	
		20.05.15	04.01	20.05.15	10.05	
		13.06.15	15.12	13.06.15	15.46	Machine stopped due to grid disturbance
		13.06.15	15.46	16.06.15	10.47	Stopped due to low demand and high frequency
		21.06.15	09.34	22.06.15	10.29	
		25.06.15	06.45	26.06.15	14.05	
		07.07.15	00.05	07.07.15	10.18	Unit stopped and started as desired by SLDC
		11.07.15	09.15	15.07.15	17.58	
		19.07.15	10.45	21.07.15	10.10	
		22.07.15	21.30	23.07.15	16.08	

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG	122	06.05.15	05.13	06.05.15	09.05	Stopped by DTL to attend hot spot
		10.05.15	16.48	10.05.15	18.42	Stopped due to low demand and high frequency
		28.05.15	04.37	28.05.15	07.26	Unit tripped due to grid disturbance
		06.05.15	05.13	06.05.15	09.05	Unit stopped by DTL to attend hot spot
		10.05.15	16.48	10.05.15	18.42	Stopped due to low demand and high frequency
		28.05.15	04.37	28.05.15	07.26	Unit tripped due to grid disturbance
		11.06.15	13.21	11.06.15	14.20	Unit tripped due to internal fault
		13.06.15	15.12	13.06.15	16.47	Unit tripped due to grid disturbance
		04.07.15	20.11	04.07.15	21.42	
		22.07.15	21.59	22.07.15	22.54	Unit tripped on internal fault
		22.07.15	22.30	23.07.15	18.07	Unit stopped and started as desired by SLDC
		24.07.15	01.57	24.07.15	10.03	Unit stopped due to internal fault

(D) BADARPUR THERMAL POWER STATION

Unit	Capacity n MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	95	01.04.15	00.00	30.07.15	23.59	Stopped due to low demand and high frequency

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
2	95	01.04.15	00.00	21.04.15	13.44	
		01.05.15	14.55	07.05.15	01.27	Stopped due to low demand and high frequency
		07.05.15	13.07	07.05.15	20.57	AVR & Excitation system
		11.05.15	13.57	30.07.15	23.59	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	
		15.05.15	17.20	27.05.15	22.09	
		13.06.15	20.34	19.06.15	00.00	Stopped due to low demand and high frequency
		20.06.15	00.00	20.06.15	17.35	AVR & Excitation system problem
		25.06.15	08.16	04.07.15	20.41	
		17.07.15	20.52	23.07.15	06.28	Stopped due to low demand and high frequency
		29.07.15	12.59	29.07.15	14.59	Differential protection
		29.07.15	14.59	31.07.15	23.59	Stopped due to low demand and high frequency

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
4	210	05.04.15	11.00	06.04.15	18.48	Water wall leakage
		10.05.15	00.34	10.05.15	06.45	AVR & Excitation system
		11.05.15	15.18	11.05.15	17.36	Human error vaccum low
		18.05.15	06.12	18.05.15	12.33	6.6kv breaker problem
		31.05.15	23.31	03.06.15	13.37	6.6kv breaker problem
		03.06.15	13.37	06.06.15	05.03	Stopped due to low demand and high frequency

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
5	210	01.04.15	00.00	10.05.15	21.04	Planned shutdown
		13.05.15	00.30	13.05.15	12.55	Human error durm level low
		26.05.15	06.47	26.05.15	11.04	Leakage in BFP a disch flow transmitter
		05.06.15	21.14	08.06.15	17.30	Super heater leakage
		08.06.15	17.30	09.06.15	01.40	Stopped due to low demand and high frequency

(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
		01.05.15	14.04	01.05.15	16.07	Unit tripped on customer trip alarm
		15.05.15	14.24	25.05.15	11.00	Stopped due to low demand and high frequency
		25.05.15	11.00	04.06.15	18.15	Bushing change of G.T.-1 transformer
		04.06.15	18.15	16.06.15	11.29	Stopped due to low demand and high frequency
		22.06.15	15.30	22.06.15	21.00	Unit tripped on pole discripency relay
		22.06.15	21.00	14.07.15	03.10	Stopped due to low demand and high frequency
		16.07.15	02.18	31.07.15	23.59	Machine tripped due to compressor stalling alarm

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	15.05.15	06.50	Stopped due to low demand and high frequency
		30.05.15	19.04	09.06.15	09.00	
		09.06.15	09.00	21.06.15	11.00	Unit taken under CI
		21.06.15	11.00	22.06.15	16.37	Stopped due to low demand and high frequency
		11.07.15	15.12	16.07.15	06.14	Stopped due to low demand and high frequency
		19.07.15	10.22	31.07.15	23.59	

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
3	216	24.03.15	04.47	31.07.15	23.59	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	05.05.15	17.00	Stopped due to low demand and high frequency
		05.05.15	17.00	19.05.15	21.00	Bushing change of G.T.-4 Transformer
		19.05.15	21.00	30.05.15	19.04	Stopped due to low demand and high frequency
		14.06.15	02.00	13.07.15	14.42	
		14.07.15	00.23	15.07.15	11.15	GT-4 exhaust spread high
		15.07.15	11.15	22.07.15	12.04	Stopped due to low demand and high frequency
		25.07.15	21.49	31.07.15	23.59	

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
		01.05.15	14.10	01.05.15	17.29	Machine stopped due to G.T.-1 tripped
		02.05.15	16.29	02.05.15	22.34	Unit tripped on HP exhaust steam temperature very high
		30.05.15	19.10	04.06.15	18.00	Stopped due to low demand and high frequency
		04.06.15	18.00	14.06.15	22.00	STG -1 for bushing change
		14.06.15	22.00	1606.15	20.27	Stopped due to low demand and high frequency
		22.06.15	15.38	22.06.15	20.12	STG tripped due to tripping of unit ï I
		01.07.15	20.56	01.07.15	21.50	STG-I tripped because of shaft voltage hight
		11.07.15	15.15	14.07.15	06.55	Stopped due to low demand and high frequency
		16.07.15	02.18	16.07.15	10.59	Tripped subcequent to GT-1 and then sync with GT-2
		16.07.15	10.28	31.07.15	23.59	Stopped due to low demand and high frequency

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG-2	254	01.04.15	00.00	05.05.15	17.00	Stopped due to low demand and high frequency
		19.05.15	21.00	30.05.15	19.04	
		03.06.15	18.26	03.06.15	20.33	STG -2 tripped due to CW problem
		14.06.15	02.00	14.07.15	00.03	Stopped due to low demand and high frequency
		14.07.15	00.23	15.07.15	11.15	Tripped subsequent to GT-4
		15.07.15	11.15	22.07.15	20.23	Stopped due to low demand and high frequency
		25.07.15	20.38	25.07.15	21.38	STG ï II tripped
		25.07.15	21.49	31.07.15	23.59	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	31.07.15	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	31.07.15	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	31.07.15	23:59	Stopped due to low demand and high frequency

4 ALLOCATION OF POWER TO DELHI

A) Time block 00.00hrs. to 24.00hrs. @ 0% allocation from Unallocated Quota w.e.f. 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)
NTPC STATIONS							
Singrauli STPS	2000	300	150	130	0	0	130
Rihand-I	1000	150	100	87	0	0	87
Rihand Stage -II	1000	150	126	109	0	0	109
Rihand Stage -III	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**
NHPC							
Baira Suil HPS	180	0	20	19	0	0	19
Salal HPS	690	0	80	76	0	0	76
Tanakpur HEP	94	0	12	11	0	0	11
Chamera HEP	540	0	43	41	0	0	41
Chamera-II HEP	300	54	40	38	0	0	38
Chamera-III HEP	231	35	29	28	0	0	28
URI-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
Dhauli 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**
NPC							
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**
SVJNL							
Nathpa Jhakri HEP	1500	149	142	135	0	0	135
THDC							
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**
Allocation from ER and Tala HEP							
Farakka	1600	0	22	19	0	0	19
Kahalgaon	840	0	51	43	0	0	43
Talchar	1000	0	0	0	0	0	0
Tala HEP	1020	153	30	25	0	0	25
Kahalgaon-II	1500	0	157	131	0	0	131
Total ER	**5960**	**153**	**261**	**217**	**0**	**0**	**217**
Joint Venture							
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**

B) Time block 00.00hrs. to 24.00hrs. @ 0% allocation from Unallocated Quota w.e.f. 01.07.2015

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)
NTPC STATIONS							
Singrauli STPS	2000	300	150	130	0	0	130
Rihand-I	1000	150	100	87	0	0	87
Rihand Stage -II	1000	150	126	109	0	0	109
Rihand Stage -III	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**
NHPC							
Baira Suil HPS	180	0	20	19	0	0	19
Salal HPS	690	0	80	76	0	0	76
Tanakpur HEP	94	0	12	11	0	0	11
Chamera HEP	540	0	43	41	0	0	41
Chamera-II HEP	300	54	40	38	0	0	38
Chamera-III HEP	231	35	29	28	0	0	28
URI-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
Dhauli 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**
NPC							
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**
SVJNL							
Nathpa Jhakri HEP	1500	149	142	135	0	0	135
THDC							
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**
Allocation from ER and Tala HEP							
Farakka	1600	0	22	19	0	0	19
Kahalgaon	840	0	51	43	0	0	43
Talchar	1000	0	0	0	0	0	0
Tala HEP	1020	153	30	25	0	0	25
Kahalgaon-II	1500	0	157	131	0	0	131
Total ER	**5960**	**153**	**261**	**217**	**0**	**0**	**217**
Joint Venture							
Jhajjar TPS	1500	114	304	273	0	0	273
Ultra Mega Projects							
Sasan	3960	0	446	383	0	0	383
Grand Total	**29047**	**2257**	**4002**	**3548**	**0**	**0**	**3548**

5 ALLOCATION OF POWER TO DISCOMS

A) ALLOCATION OF POWER TO VARIOUS LISCENCEES AS PER ORDER OF DERC AND DECISION OF GNCTD FOR ALLOCATION OF CENTRAL SECTOR STATIONS (DADRI THERMAL & BTPS) AND STATE SECTOR GENERATING STATIONS w.e.f. 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 JULY 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	Townmcl	BTPS	Total						
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)		(9)= (3) to (8)	(10)	(11)	(12)= (11) - (10)	(13)= (11)+ (12)	(14)	(15)= (13)+ (14)
1	15.20.52	0	70	262	0	293	16	368	1009	4365	4059	306	5374	0	5374
2	15.28.40	-1	59	267	0	270	10	351	956	4548	4427	121	5504	0	5504
3	15.39.10	0	63	263	0	282	16	356	980	4763	4619	144	5743	0	5743
4	23.21.19	-1	69	232	0	273	15	401	989	4486	4471	15	5475	15	5490
5	23.00.10	-1	70	258	0	271	16	460	1074	4513	4561	-48	5587	8	5595
6	00.01.00	0	99	262	0	273	16	452	1102	4361	4383	-22	5463	4	5467
7	15.30.00	0	23	263	0	294	16	423	1019	3948	3749	199	4967	0	4967
8	23.00.00	0	70	263	0	272	16	365	986	4156	4049	107	5142	0	5142
9	22.58.06	0	35	263	0	272	13	388	971	3923	3987	-64	4894	0	4894
10	00.00.32	0	35	267	0	274	14	392	982	3700	3702	-2	4682	0	4682
11	00.11.18	0	36	267	0	274	15	397	989	2897	3088	-191	3886	0	3886
12	20.00.00	0	35	144	0	-5	15	379	568	2774	2833	-59	3342	0	3342
13	22.45.42	0	60	142	0	42	16	390	650	3693	3736	-43	4343	16	4359
14	15.30.00	0	68	141	0	220	12	390	831	4023	3974	49	4854	0	4854
15	15.18.37	0	64	138	0	269	13	389	873	4408	4052	356	5281	2	5283
16	00:00:00	0	68	262	0	271	15	297	913	4409	4147	262	5322	0	5322
17	22.45.40	0	66	266	0	269	15	376	992	4094	4008	86	5086	2	5088
18	00.00.00	0	66	257	0	270	13	354	960	3950	4007	-57	4910	15	4925
19	22.57.33	0	69	147	0	-5	15	327	553	4037	3954	83	4590	0	4590
20	23.02.44	0	69	145	0	-5	13	323	545	4037	4211	-174	4582	0	4582
21	23.00.29	0	69	263	0	-5	15	321	663	4037	4267	-230	4700	5	4705
22	22.45.20	0	69	104	0	154	14	360	701	4037	4507	-470	4738	0	4738
23	15.31.05	0	69	0	0	273	16	435	793	4037	4400	-363	4830	0	4830
24	15.32.01	0	69	128	0	270	16	389	872	4037	4347	-310	4909	2	4911
25	00.00.04	0	69	128	0	269	15	377	858	4186	4206	-20	5044	0	5044
26	00.00.29	0	69	125	0	-6	15	389	592	4295	4211	84	4887	0	4887
27	15.22.38	0	69	130	0	-3	16	378	590	4291	4292	-1	4881	0	4881
28	15.32.25	0	69	130	0	-2	16	376	589	3959	3952	7	4548	8	4556
29	15.06.47	0	64	128	0	-4	15	365	568	3918	3825	93	4486	0	4486
30	15.28.35	0	71	130	0	-4	15	319	531	3937	3737	200	4468	0	4468
31	15.21.59	0	71	125	0	-1	16	322	533	3878	3920	-42	4411	0	4411

7 POWER AVAILABILITY- DEMAND POSITION AT THE TIME OF MAXIMUM UNRESTRICTED DEMAND DURING JULY 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	Tow mcl	BTPS	Total						
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)		(9)= (3) to (8)	(10)	(11)	(12)= (11) - (10)	(13)= (11)+ (12)	(14)	(15)= (13)+ (14)
1	15.20.52	0	70	262	0	293	16	368	1009	4365	4059	306	5374	0	5374
2	15.28.40	-1	59	267	0	270	10	351	956	4548	4427	121	5504	0	5504
3	15.39.10	0	63	263	0	282	16	356	980	4763	4619	144	5743	0	5743
4	23.21.19	-1	69	232	0	273	15	401	989	4486	4471	15	5475	15	5490
5	23.00.10	-1	70	258	0	271	16	460	1074	4513	4561	-48	5587	8	5595
6	00.01.00	0	99	262	0	273	16	452	1102	4361	4383	-22	5463	4	5467
7	15.30.00	0	23	263	0	294	16	423	1019	3948	3749	199	4967	0	4967
8	23.00.00	0	70	263	0	272	16	365	986	4156	4049	107	5142	0	5142
9	22.58.06	0	35	263	0	272	13	388	971	3923	3987	-64	4894	0	4894
10	00.00.32	0	35	267	0	274	14	392	982	3700	3702	-2	4682	0	4682
11	00.11.18	0	36	267	0	274	15	397	989	2897	3088	-191	3886	0	3886
12	20.00.00	0	35	144	0	-5	15	379	568	2774	2833	-59	3342	0	3342
13	22.45.42	0	60	142	0	42	16	390	650	3693	3736	-43	4343	16	4359
14	15.30.00	0	68	141	0	220	12	390	831	4023	3974	49	4854	0	4854
15	15.18.37	0	64	138	0	269	13	389	873	4408	4052	356	5281	2	5283
16	00:00:00	0	68	262	0	271	15	297	913	4409	4147	262	5322	0	5322
17	22.45.40	0	66	266	0	269	15	376	992	4094	4008	86	5086	2	5088
18	00.00.00	0	66	257	0	270	13	354	960	3950	4007	-57	4910	15	4925
19	22.57.33	0	69	147	0	-5	15	327	553	4037	3954	83	4590	0	4590
20	23.02.44	0	69	145	0	-5	13	323	545	4037	4211	-174	4582	0	4582
21	23.00.29	0	69	263	0	-5	15	321	663	4037	4267	-230	4700	5	4705
22	22.45.20	0	69	104	0	154	14	360	701	4037	4507	-470	4738	0	4738
23	15.31.05	0	69	0	0	273	16	435	793	4037	4400	-363	4830	0	4830
24	15.32.01	0	69	128	0	270	16	389	872	4037	4347	-310	4909	2	4911
25	00.00.04	0	69	128	0	269	15	377	858	4186	4206	-20	5044	0	5044
26	00.00.29	0	69	125	0	-6	15	389	592	4295	4211	84	4887	0	4887
27	15.22.38	0	69	130	0	-3	16	378	590	4291	4292	-1	4881	0	4881
28	15.32.25	0	69	130	0	-2	16	376	589	3959	3952	7	4548	8	4556
29	15.06.47	0	64	128	0	-4	15	365	568	3918	3825	93	4486	0	4486
30	15.28.35	0	71	130	0	-4	15	319	531	3937	3737	200	4468	0	4468
31	15.21.59	0	71	125	0	-1	16	322	533	3878	3920	-42	4411	0	4411

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

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

A (i) RPH	0.00
(ii) GT+STG	47.706
(iii) PRAGATI	149.568
(iv) RITHALA	0.000
(v) BAWANA CCGT	123.762
(vi) Timarpur ï Okhla	13.305
TOTAL	334.341
B) AVAILABILITY FROM BTPS	272.086
C) AUXILIARY CONSUMPTION OF GENERATING STNs. EXCLUDING BTPS	16.217
D) NET GENERATION AVAILABLE WITHIN DELHI(A+B-C)	**590.210**

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	10.961	10.646	8.177	7.942
SALAL	52.712	51.196	38.455	37.350
SASAN	284.731	276.561	288.058	279.782
TANKAPUR	8.474	8.230	5.980	5.808
CHAMERA	31.484	30.580	23.486	22.811
CHAMERA -II	27.549	26.758	20.551	19.960
CHAMERA -III	21.023	20.419	15.681	15.231
DHAULIGANGA	25.878	25.135	19.302	18.747
SEWA -2	20.025	19.437	7.842	7.616
URI	37.905	36.818	28.807	27.980
URI-II	15.528	15.081	15.430	14.986
KOLDAM	18.921	18.381	18.921	18.381
KOTESHWAR	13.649	13.257	12.621	12.260
PARBATI3	21.344	20.727	17.696	17.189
RAMPUR	0.000	0.000	0.000	0.000
MUNDRA_UMPP	0.326	0.316	0.000	0.000
ANTA (GAS)	1.427	1.387	0.846	0.823
ANTA (RLNG)	28.927	28.095	0.000	0.000
ANTA (LIQUID)	0.000	0.000	0.000	0.000
DADRI (GAS)	22.554	21.912	15.327	14.889
DADRI (RLNG)	42.150	40.934	1.016	0.987
DADRI (LIQUID)	0.000	0.000	0.000	0.000
AURAIYA (GAS)	7.633	7.419	2.988	2.904
AURAIYA (RLNG)	43.984	42.716	0.000	0.000
AURAIYA (LIQUID)	0.000	0.000	0.000	0.000
SINGRAULI	93.073	90.404	85.076	82.631
RIHAND -I	61.950	60.172	49.134	47.719
RIHAND -II	67.521	65.575	54.259	52.691
RIHAND -III	67.451	65.503	53.964	52.403
UNCHAHAR-I	16.729	16.249	10.660	10.353
UNCHAHAR-II	20.426	19.841	13.308	12.927
UNCHAHAR-III	20.435	19.848	14.350	13.937
DADRI (TH)	406.246	394.581	243.765	236.809
DADRI (TH) STAGE-II	543.315	527.717	417.970	405.961
NAPP	28.798	27.972	29.747	28.893
RAPP 'B'	0.000	0.000	0.000	0.000
RAPP 'C'	35.425	34.410	36.109	35.074
NATHPA JHAKRI	101.041	98.142	56.096	54.483
DULASTI	34.414	33.427	34.414	33.427
TEHRI	30.023	29.166	30.796	29.915
JHAJJAR	220.490	214.157	61.274	59.528
KHELGAON	33.351	32.394	24.724	24.013
KHELGAON-II	109.964	106.808	83.729	81.323
FARAKA	13.435	13.049	10.104	9.814
TALA	25.148	24.423	22.769	22.116

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
TALCHER	0.000	0.000	0.000	0.000
DVC	225.854	223.639	223.639	217.202
UTTAR PRADESH	0.000	0.000	0.000	0.000
TRIPUA	0.000	0.000	0.000	0.000
MEGHALAYA	3.753	3.712	3.712	3.606
ASSAM	17.596	17.314	17.314	16.816
DVC CTPS (BYPL)	0.000	0.000	0.000	0.000
DVC CTPS (NDPL)	0.000	0.000	0.000	0.000
METHON POWER(NDPL)LT-06	194.220	192.295	192.295	186.770
DVC MEJIA (LT-08)(BYPL)	56.985	56.428	56.428	54.835
URS	0.000	0.000	0.000	0.000
JAMMU & KASHMIR	103.148	101.909	101.909	98.984
HIMACHAL PRADESH	74.365	73.400	73.400	71.293
PUNJAB	0.000	0.000	0.000	0.000
MADHYA PRADESH	47.610	46.797	46.797	45.451
HARYANA	0.000	0.000	0.000	0.000
DVC LT-9	0.000	0.000	0.000	0.000
HARYANA (LT-05)	25.687	25.456	25.456	24.723
WEST BENGAL	0.000	0.000	0.000	0.000
ORISSA	52.178	51.505	51.505	50.025
RAJASTHAN(SOLAR) BRPL-LT36	3.235	3.183	3.183	3.092
RAJASTHAN(SOLAR) BYPL - LT-35	3.235	3.183	3.183	3.092
RAJASTHAN(SOLAR) TPDDL LT-31	3.235	3.183	3.183	3.092
TO HARYANA	0.000	0.000	0.000	0.000
TO MEGHALAYA	0.000	0.000	0.000	0.000
TO UTTAR PRADESH	-0.433	-0.442	-0.442	-0.454
TO JAMMU & KASHMIR	0.000	0.000	0.000	0.000
TO PUNJAB	-13.734	-13.922	-13.922	-14.337
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	0.000	0.000	0.000	0.000
BTPS TO MP	0.000	0.000	0.000	0.000
TO HIMACHAL PRADESH	0.000	0.000	0.000	0.000
TO ORISSA	0.000	0.000	0.000	0.000
POWER EXCHANGE(IEX)	49.390	47.983	49.390	47.983
TO POWER EXCHANGE (IEX)	-77.136	-79.416	-77.136	-79.416
POWRER EXCHANGE(PX)	0.000	0.000	0.000	0.000
TO POWER EXCHANGE (PX)	-3.033	-3.123	-3.033	-3.123
TO SHARE PROJECT (HARYANA)	-11.176	-11.506	-11.176	-11.506
TO SHARE PROJECT (PUNJAB)	-11.476	-11.816	-11.476	-11.816
TOTAL	**3409.921**	**3319.607**	**2607.642**	**2525.972**

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	1462.741	1420.734	981.585	953.413
NTPC - ER	156.750	152.251	118.557	115.150
NHPC	307.296	298.453	235.820	229.048
NPC	64.223	62.383	65.856	63.966
SASAN	284.731	276.561	288.058	279.782
KOTESHWAR	13.649	13.257	12.621	12.260
MUNDRA_UMPP	0.326	0.316	0.000	0.000
NATHPA JHAKRI	101.041	98.142	56.096	54.483
TEHRI	30.023	29.166	30.796	29.915
TALA	25.148	24.423	22.769	22.116
JHAJJAR	220.490	214.157	61.274	59.528
TALCHER	0.000	0.000	0.000	0.000
RAJASTHAN SOLAR(BRPL)T-36	3.235	3.183	3.183	3.092
RAJASTHAN SOLAR(BYPL)T-35	3.235	3.183	3.183	3.092
RAJASTHAN SOLAR(TPDDL)T-31	3.235	3.183	3.183	3.092
DVC	225.854	223.639	223.639	217.202
UTTAR PRADESH	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
TRIPURA	0.000	0.000	0.000	0.000
MEGHALAYA	3.753	3.712	3.712	3.606
ASSAM	17.596	17.314	17.314	16.816
DVC CTPS (BYPL)	0.000	0.000	0.000	0.000
DVC CTPS (NDPL)	0.000	0.000	0.000	0.000
METHON POWER (NDPL)-LT-06	194.220	192.295	192.295	186.770
DVC MEJIA (LT-08)(BYPL)	56.985	56.428	56.428	54.835
URS	0.000	0.000	0.000	0.000
JAMMU & KASHMIR	103.148	101.909	101.909	98.984
HIMACHAL PRADESH	74.365	73.400	73.400	71.293
PUNJAB	0.000	0.000	0.000	0.000
MADHYA PRADESH	47.610	46.797	46.797	45.451
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)	25.687	25.456	25.456	24.723
WEST BENGAL	0.000	0.000	0.000	0.000
ORISSA	52.178	51.505	51.505	50.025
POWER EXCHANGE(IEX)	49.390	47.983	49.390	47.983
POWER EXCHANGE(PX)	0.000	0.000	0.000	0.000
TOTAL	**3526.909**	**3439.831**	**2724.826**	**2646.624**

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	-0.433	-0.442	-0.442	-0.454
TO JAMMU & KASHMIR	0.000	0.000	0.000	0.000
TO ASSAM	0.000	0.000	0.000	0.000
TO PUNJAB	-13.734	-13.922	-13.922	-14.337
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	0.000	0.000	0.000	0.000
BTPS TO MP	0.000	0.000	0.000	0.000
TO HIMACHAL PRADESH	0.000	0.000	0.000	0.000
TO ORISSA	0.000	0.000	0.000	0.000
TO POWER EXCHANGE (IEX)	-77.136	-79.416	-77.136	-79.416
TO POWER EXCHANGE (PX)	-3.033	-3.123	-3.033	-3.123
TO SHARE PROJECT (HARYANA)	-11.176	-11.506	-11.176	-11.506
TO SHARE PROJECT (PUNJAB)	-11.476	-11.816	-11.476	-11.816
TOTAL	**-116.987**	**-120.224**	**-117.184**	**-120.652**
TOTAL SCHEDULED DRAWAL FROM THE GRID	**3409.921**	**3319.607**	**2607.642**	**2525.972**

TOTAL CONSUMPTION INCLUDING AUX. OF GENERATING STNs. EXCLUDING BTPS		3131.743
NET CONSUMPTION		**3115.526**
AVAILABILITY WITHIN DELHI		590.210
ACTUAL DRAWAL FROM THE GRID		2525.316
OVER DRAWAL(+)/UNDER DRAWAL(-) FROM THE GRID ON THE BASIS OF SCHEDULED ALLOCATION MADE BY NRLDC TO DELHI AT PERIPHERY		-0.656
LOAD SHEDDING		3.345
UNRESTRICTED DEMAND (GROSS)		3135.088
UNRESTRICTED DEMAND (NET)		3118.871
MAX. NET CONSUMPTION		113.322 ON 03.07.2015
MAX. LOAD SHEDDING		268MW ON 21.07.2015 AT 09.45HRS.
PEAK LOAD	Peak Demand during the month	SHEDDING AT PEAK TIME
DAY PEAK	5743MW AT 15.39.10HRS ON 03.07.2015	0 MW
EVENING PEAK	5587MW AT 23.00.10HRS ON 05.07.2015	8 MW
P.L.F. OF GENCO AND PRAGATI STNs.	RPH	0.00%
	GT	23.75%
	PRAGATI	60.92%
	RITHALA	0.00%
	BAWANA	12.13%
	Timarpur Okhla	111.77%

9 SHEDDING DETAILS DURING THE MONTH OF JULY 2015.

ALL FIGURES IN MUs

DATE	No. of Under Freq. Relay Operated	Shedding due to under frequency relay operation in MUs					Shedding due to Grid Restrictions (Over drawal / low freq.)				
		BSES		NDPL	NDMC	TOTAL	BSES		NDPL	NDMC	MES
		BYPL	BRPL				BYPL	BRPL			
1	2	3	4	5	6	7=3 to 6	8	9	10	11	12
01.Jul.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
02.Jul.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
03.Jul.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
04.Jul.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
05.Jul.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
06.Jul.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
07.Jul.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
08.Jul.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.040	0.043	0.000	0.000
09.Jul.15	2	0.000	0.000	0.001	0.000	**0.001**	0.000	0.000	0.031	0.000	0.000
10.Jul.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
11.Jul.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.012	0.000	0.000
12.Jul.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
13.Jul.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.039	0.002	0.000	0.000
14.Jul.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.005	0.000	0.000
15.Jul.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
16.Jul.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
17.Jul.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.032	0.000	0.000	0.000
18.Jul.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
19.Jul.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
20.Jul.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
21.Jul.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.196	0.030	0.008	0.000
22.Jul.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
23.Jul.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.028	0.000	0.000
24.Jul.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.026	0.000	0.000
25.Jul.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.016	0.000	0.000
26.Jul.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
27.Jul.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
28.Jul.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
29.Jul.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
30.Jul.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
31.Jul.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
TOTAL	**1**	**0.000**	**0.000**	**0.001**	**0.000**	**0.001**	**0.000**	**0.307**	**0.193**	**0.008**	**0.000**

ALL FIGURES IN MUs

Date	Shedding due to Transmission/Grid Constraints in Central Sector Stations / TTC / ATC VOILATION				DUE TO NEW GRID CODE REGULATION DEVIATOIN			Shedding due to Transmission/Grid Constraints in Central sector stations				Total	Total shedding due to grid restrictions
	BSES		NDPL	NDMC	BSES			BSES		TPDDL	NDMC		
	BYPL	BRPL			BYPL	BRPL	TPDDL	BYPL	BRPL				
	13	14	15	16	17	18	19	20	21	22	23	24=8 to 23	25=7+24
01.Jul.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
02.Jul.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
03.Jul.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
04.Jul.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
05.Jul.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
06.Jul.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
07.Jul.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
08.Jul.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.083	0.083
09.Jul.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.031	0.032
10.Jul.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11.Jul.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.012	0.012
12.Jul.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
13.Jul.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.041	0.041
14.Jul.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.005	0.005
15.Jul.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
16.Jul.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17.Jul.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.032	0.032
18.Jul.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
19.Jul.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20.Jul.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
21.Jul.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.234	0.234
22.Jul.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
23.Jul.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.028	0.028
24.Jul.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.026	0.026
25.Jul.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.016	0.016
26.Jul.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27.Jul.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
28.Jul.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
29.Jul.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30.Jul.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
31.Jul.15	0.000	0.000	0.000	0.000	0.000	0.000	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	0.000	0.000	0.000	0.000	0.508	0.509

ALL FIGURES IN MUs

Date	DUE TO T&D CONSTRAINTS IN DELHI SYSTEM								
	DTL					DISCOMS			
	BSES		NDPL	NDMC	MES	BSES		NDPL	NDMC
	BYPL	BRPL				BYPL	BRPL		
	26	27	28	29	30	31	32	33	34
01.Jul.15	0.000	0.000	0.000	0.000	0.000	0.024	0.036	0.001	0.000
02.Jul.15	0.013	0.004	0.000	0.000	0.000	0.003	0.049	0.001	0.000
03.Jul.15	0.003	0.000	0.012	0.000	0.000	0.000	0.032	0.001	0.000
04.Jul.15	0.011	0.000	0.000	0.000	0.000	0.009	0.040	0.001	0.000
05.Jul.15	0.000	0.060	0.000	0.000	0.000	0.012	0.019	0.013	0.000
06.Jul.15	0.059	0.018	0.000	0.000	0.000	0.000	0.111	0.000	0.000
07.Jul.15	0.000	0.000	0.000	0.000	0.000	0.000	0.039	0.000	0.000
08.Jul.15	0.000	0.000	0.000	0.000	0.000	0.006	0.024	0.001	0.000
09.Jul.15	0.000	0.000	0.002	0.000	0.000	0.041	0.058	0.001	0.000
10.Jul.15	0.004	0.000	0.000	0.000	0.000	0.052	0.004	0.001	0.000
11.Jul.15	0.024	0.140	0.020	0.000	0.000	0.007	0.046	0.001	0.000
12.Jul.15	0.015	0.000	0.000	0.000	0.000	0.001	0.000	0.004	0.000
13.Jul.15	0.000	0.000	0.000	0.000	0.000	0.028	0.115	0.001	0.000
14.Jul.15	0.000	0.000	0.000	0.000	0.000	0.010	0.004	0.005	0.000
15.Jul.15	0.000	0.000	0.000	0.000	0.000	0.038	0.052	0.005	0.000
16.Jul.15	0.000	0.000	0.000	0.000	0.000	0.002	0.001	0.000	0.000
17.Jul.15	0.000	0.000	0.000	0.000	0.000	0.000	0.014	0.000	0.000
18.Jul.15	0.000	0.000	0.000	0.000	0.000	0.009	0.002	0.000	0.000
19.Jul.15	0.002	0.008	0.000	0.000	0.000	0.000	0.017	0.005	0.000
20.Jul.15	0.000	0.005	0.007	0.000	0.000	0.003	0.190	0.003	0.000
21.Jul.15	0.000	0.265	0.000	0.000	0.000	0.001	0.012	0.006	0.000
22.Jul.15	0.000	0.008	0.000	0.000	0.000	0.004	0.004	0.017	0.000
23.Jul.15	0.039	0.000	0.000	0.033	0.000	0.015	0.023	0.001	0.000
24.Jul.15	0.000	0.000	0.000	0.000	0.000	0.057	0.000	0.004	0.000
25.Jul.15	0.000	0.065	0.000	0.000	0.000	0.048	0.068	0.000	0.000
26.Jul.15	0.000	0.000	0.000	0.000	0.000	0.011	0.008	0.003	0.000
27.Jul.15	0.018	0.000	0.001	0.000	0.000	0.005	0.000	0.000	0.000
28.Jul.15	0.047	0.000	0.000	0.000	0.000	0.076	0.031	0.001	0.000
29.Jul.15	0.049	0.000	0.000	0.000	0.000	0.000	0.029	0.000	0.000
30.Jul.15	0.000	0.048	0.000	0.000	0.000	0.000	0.055	0.002	0.000
31.Jul.15	0.000	0.006	0.000	0.000	0.000	0.008	0.008	0.000	0.000
TOTAL	**0.284**	**0.627**	**0.042**	**0.033**	**0.000**	**0.470**	**1.091**	**0.078**	**0.000**

ALL FIGURES IN MUs

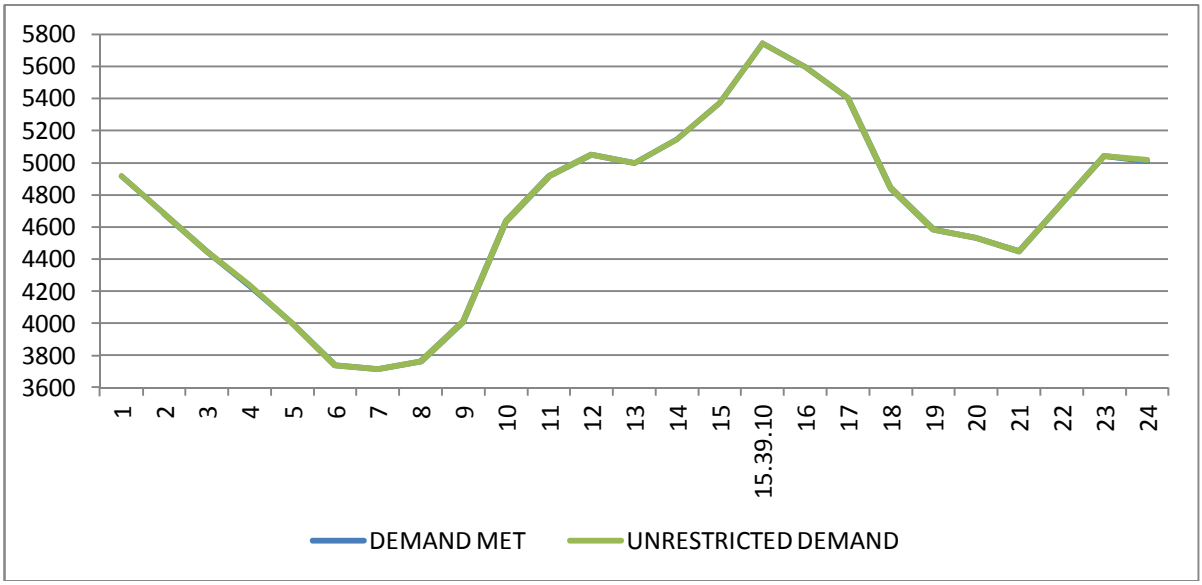
DATE	OTHER AGENCIES LIKE GENCO, BBMB, BTPS ETC.				THEFT PRONE SHEDDING			TOTAL SHEDDING DUE TO T&D CONSTS. & THEFT PRONE	GRAND TOTAL
	BSES		NDPL	NDMC	BSES		NDPL		
	BYPL	BRPL			BYPL	BRPL			
1	35	36	37	38	39	40	41	42= 26 to 41	43 = 25 + 42
01.Jul.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.061**	**0.061**
02.Jul.15	0.000	0.000	0.000	0.000	0.000	0.000	0.006	**0.076**	**0.076**
03.Jul.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.048**	**0.048**
04.Jul.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.061**	**0.061**
05.Jul.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.104**	**0.104**
06.Jul.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.188**	**0.188**
07.Jul.15	0.000	0.000	0.000	0.000	0.000	0.000	0.004	**0.043**	**0.043**
08.Jul.15	0.000	0.000	0.000	0.000	0.000	0.000	0.018	**0.049**	**0.132**
09.Jul.15	0.000	0.000	0.001	0.000	0.000	0.000	0.006	**0.109**	**0.141**
10.Jul.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.061**	**0.061**
11.Jul.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.238**	**0.250**
12.Jul.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.020**	**0.020**
13.Jul.15	0.000	0.000	0.000	0.000	0.000	0.000	0.006	**0.150**	**0.191**
14.Jul.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.019**	**0.024**
15.Jul.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.095**	**0.095**
16.Jul.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.003**	**0.003**
17.Jul.15	0.000	0.000	0.001	0.000	0.000	0.000	0.019	**0.034**	**0.066**
18.Jul.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.011**	**0.011**
19.Jul.15	0.000	0.001	0.001	0.000	0.000	0.000	0.000	**0.034**	**0.034**
20.Jul.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.208**	**0.208**
21.Jul.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.284**	**0.518**
22.Jul.15	0.000	0.000	0.000	0.000	0.000	0.000	0.005	**0.038**	**0.038**
23.Jul.15	0.000	0.000	0.000	0.000	0.000	0.000	0.009	**0.120**	**0.148**
24.Jul.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.061**	**0.087**
25.Jul.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.181**	**0.197**
26.Jul.15	0.006	0.000	0.119	0.000	0.000	0.000	0.000	**0.147**	**0.147**
27.Jul.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.024**	**0.024**
28.Jul.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.155**	**0.155**
29.Jul.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.078**	**0.078**
30.Jul.15	0.000	0.000	0.000	0.000	0.000	0.000	0.009	**0.114**	**0.114**
31.Jul.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.022**	**0.022**
TOTAL	**0.006**	**0.001**	**0.122**	**0.000**	**0.000**	**0.000**	**0.082**	**2.836**	**3.345**

DATE	(NET CONS.)	MAXI. DEMAND MET DURING THE DAY	TIME OF OCCUR-RENCE OF MAX DEMAND	SHEDDING AT THIS TIME	UN-REST-RICTED DEMAND	MAXIMUM UN-REST-RICTED DEMAND DURING THE DAY	TIME OF MAX. UN-REST. DEMAND	DEMAND AT THAT TIME	SHEDDING AT THAT TIME
	In Mus.	IN MW	IN HRS.	IN MW	IN MW	IN MW	HRS.	IN MW	IN MW
1	32	33	34	35	36=33+35	37=39+40	38	39	40
01.Jul.15	107.886	**5374**	15:20:52	0	**5374**	**5374**	15:20:52	**5374**	0
02.Jul.15	109.651	**5504**	15:28:40	0	**5504**	**5504**	15:28:40	**5504**	0
03.Jul.15	113.322	**5743**	15:39:10	0	**5743**	**5743**	15:39:10	**5743**	0
04.Jul.15	113.057	**5475**	23:21:19	15	**5490**	**5490**	23:21:19	**5475**	15
05.Jul.15	108.917	**5587**	23:00:10	8	**5595**	**5595**	23:00:10	**5587**	8
06.Jul.15	107.637	**5463**	00:01	4	**5467**	**5467**	00:01	**5463**	4
07.Jul.15	98.965	**4967**	15:30	0	**4967**	**4967**	15:30	**4967**	0
08.Jul.15	103.799	**5142**	23:00	0	**5142**	**5142**	23:00	**5142**	0
09.Jul.15	102.941	**4894**	22:58:06	0	**4894**	**4894**	22:58:06	**4894**	0
10.Jul.15	96.816	**4682**	00:00:32	0	**4682**	**4682**	00:00:32	**4682**	0
11.Jul.15	75.239	**3886**	00:11:18	0	**3886**	**3886**	00:11:18	**3886**	0
12.Jul.15	74.239	**3342**	20:00	0	**3342**	**3342**	20:00	**3342**	0
13.Jul.15	85.704	**4343**	22:45:42	16	**4359**	**4359**	22:45:42	**4343**	16
14.Jul.15	97.883	**4854**	15:30	0	**4854**	**4854**	15:30	**4854**	0
15.Jul.15	106.192	**5281**	15:18:37	2	**5283**	**5283**	15:18:37	**5281**	2
16.Jul.15	107.533	**5420**	15:13:02	0	**5420**	**5420**	15:13:02	**5420**	0
17.Jul.15	107.838	**5086**	22:45:40	2	**5088**	**5088**	22:45:40	**5086**	2
18.Jul.15	98.952	**4910**	00:00:20	15	**4925**	**4925**	00:00:20	**4910**	15
19.Jul.15	89.119	**4590**	22:57:33	0	**4590**	**4590**	22:57:33	**4590**	0
20.Jul.15	96.280	**4669**	23:02:44	0	**4669**	**4669**	23:02:44	**4669**	0
21.Jul.15	102.480	**5019**	23:00:29	5	**5024**	**5024**	23:00:29	**5019**	5
22.Jul.15	107.034	**5117**	22:45:20	0	**5117**	**5117**	22:45:20	**5117**	0
23.Jul.15	110.600	**5263**	15:31:05	0	**5263**	**5263**	15:31:05	**5263**	0
24.Jul.15	109.332	**5285**	15:32:01	2	**5287**	**5287**	15:32:01	**5285**	2
25.Jul.15	106.508	**5044**	00:00:04	0	**5044**	**5044**	00:00:04	**5044**	0
26.Jul.15	96.954	**4887**	00:00:29	0	**4887**	**4887**	00:00:29	**4887**	0
27.Jul.15	101.091	**4881**	15:22:38	0	**4881**	**4881**	15:22:38	**4881**	0
28.Jul.15	97.898	**4548**	15:32:25	0	**4548**	**4548**	15:32:25	**4548**	0
29.Jul.15	96.080	**4486**	15:06:47	0	**4486**	**4486**	15:06:47	**4486**	0
30.Jul.15	94.523	**4468**	15:28:35	0	**4468**	**4468**	15:28:35	**4468**	0
31.Jul.15	91.056	**4411**	15:21:59	0	**4411**	**4411**	15:21:59	**4411**	0
TOTAL	**3115.526**	**5743** **03.07.15**	15:39:10	0	**5743** 03.07.15	**5743**	15:39:10	**5743**	0

10 LOAD PATTERN OF DELHI ON THE DAY OF PEAK DEMAND MET DURING JULY 2015 ON 03.07.2015- 5743MW AT 15.39.10HRS.

All figures in MW

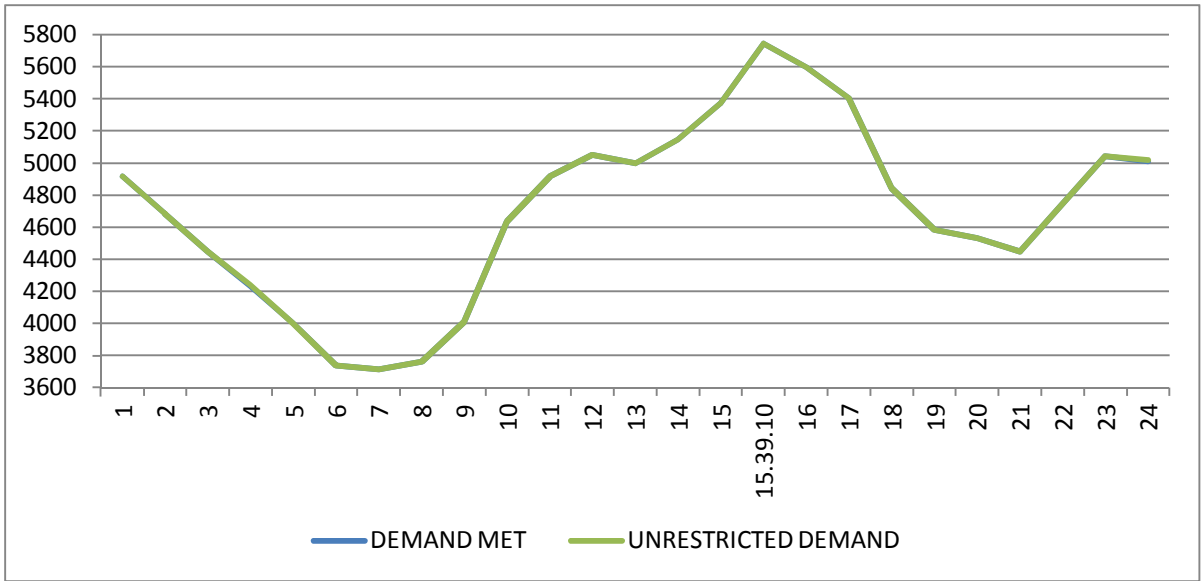
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1	4915	0	4915
2	4684	0	4684
3	4449	0	4449
4	4231	8	4239
5	4001	0	4001
6	3738	0	3738
7	3716	0	3716
8	3762	0	3762
9	4010	0	4010
10	4634	3	4637
11	4913	0	4913
12	5049	0	5049
13	5000	0	5000
14	5145	0	5145
15	5372	0	5372
15.39.10	5743	0	5743
16	5595	0	5595
17	5406	0	5406
18	4844	0	4844
19	4584	0	4584
20	4533	0	4533
21	4449	0	4449
22	4742	0	4742
23	5043	0	5043
24	5011	8	5019
Total (IN MUS)	**113.322**	**0.048**	**113.370**



11 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UN-RESTRICTED DEMAND DURING JULY 2015 ON 03.07.2015- 5743MW AT 15.39.10HRS.

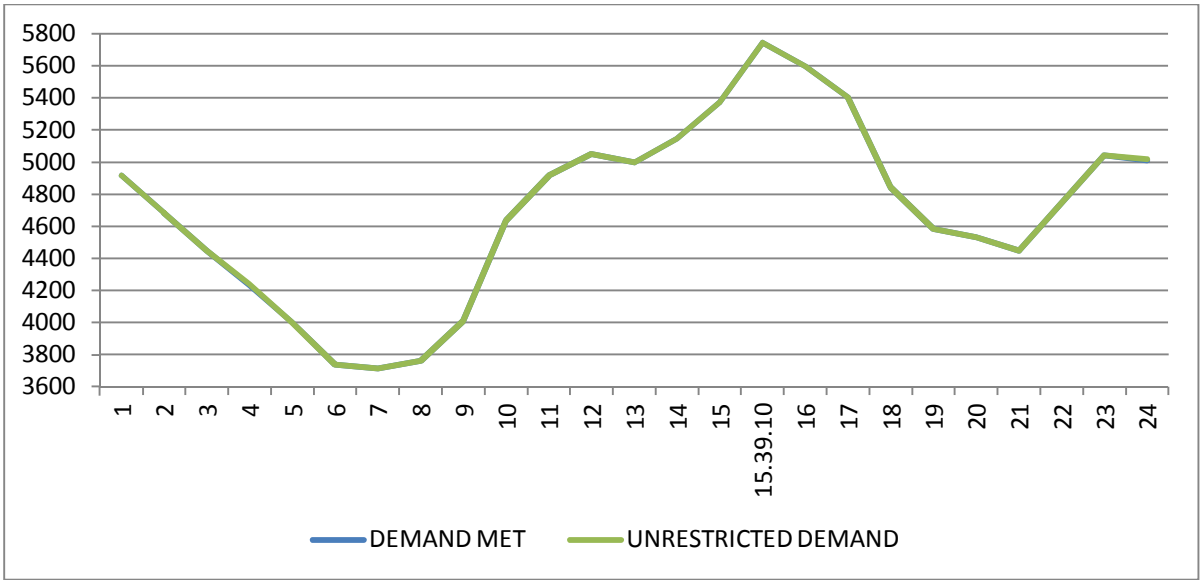
All figures in MW

Hrs.	Demand	Load Shedding	Un-Restricted Demand
1	4915	0	4915
2	4684	0	4684
3	4449	0	4449
4	4231	8	4239
5	4001	0	4001
6	3738	0	3738
7	3716	0	3716
8	3762	0	3762
9	4010	0	4010
10	4634	3	4637
11	4913	0	4913
12	5049	0	5049
13	5000	0	5000
14	5145	0	5145
15	5372	0	5372
15.39.10	5743	0	5743
16	5595	0	5595
17	5406	0	5406
18	4844	0	4844
19	4584	0	4584
20	4533	0	4533
21	4449	0	4449
22	4742	0	4742
23	5043	0	5043
24	5011	8	5019
Total (IN MUS)	**113.322**	**0.048**	**113.370**



12 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM ENERGY CONSUMED DURING JULY 2015 – 03.07.2015 – 113.322Mus All figures in MW

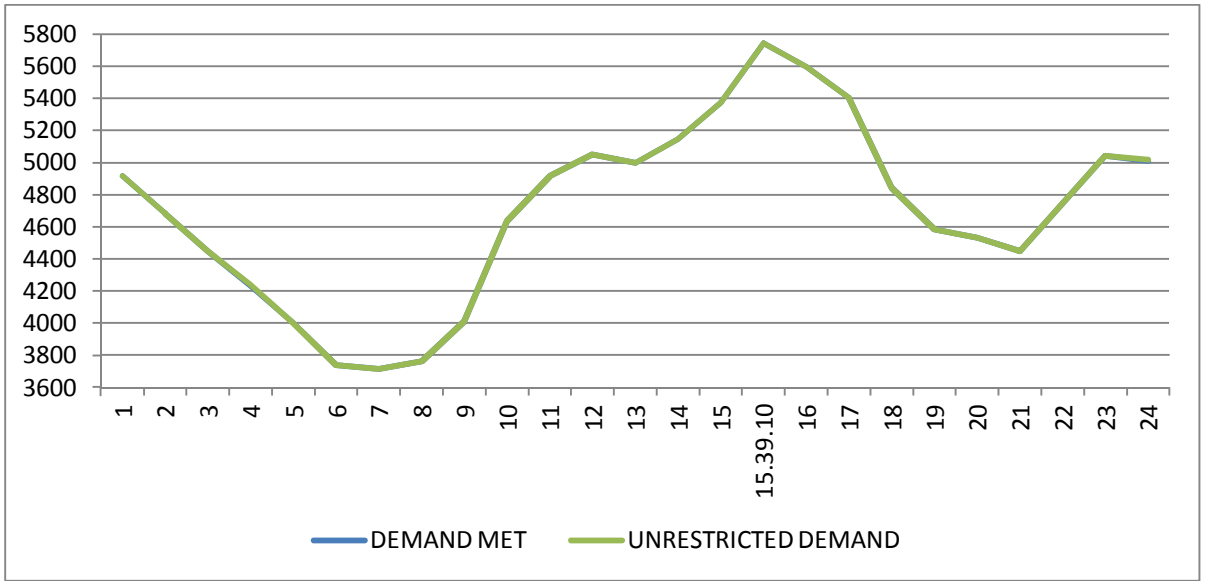
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1	4915	0	4915
2	4684	0	4684
3	4449	0	4449
4	4231	8	4239
5	4001	0	4001
6	3738	0	3738
7	3716	0	3716
8	3762	0	3762
9	4010	0	4010
10	4634	3	4637
11	4913	0	4913
12	5049	0	5049
13	5000	0	5000
14	5145	0	5145
15	5372	0	5372
15.39.10	5743	0	5743
16	5595	0	5595
17	5406	0	5406
18	4844	0	4844
19	4584	0	4584
20	4533	0	4533
21	4449	0	4449
22	4742	0	4742
23	5043	0	5043
24	5011	8	5019
Total (IN MUS)	**113.322**	**0.048**	**113.370**



13 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UNRESTRICTED ENERGY DEMAND DURING JULY 2015 – 19.06.2015 – 119.722 Mus

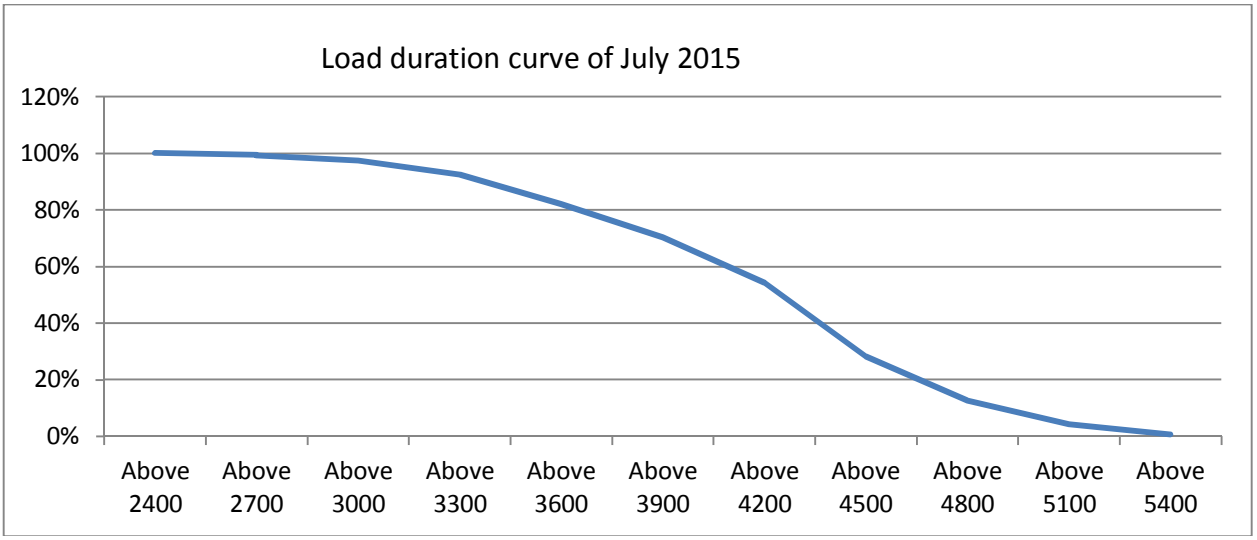
All figures in MW

Hrs.	Demand	Load Shedding	Un-Restricted Demand
1	4915	0	4915
2	4684	0	4684
3	4449	0	4449
4	4231	8	4239
5	4001	0	4001
6	3738	0	3738
7	3716	0	3716
8	3762	0	3762
9	4010	0	4010
10	4634	3	4637
11	4913	0	4913
12	5049	0	5049
13	5000	0	5000
14	5145	0	5145
15	5372	0	5372
15.39.10	5743	0	5743
16	5595	0	5595
17	5406	0	5406
18	4844	0	4844
19	4584	0	4584
20	4533	0	4533
21	4449	0	4449
22	4742	0	4742
23	5043	0	5043
24	5011	8	5019
Total (IN MUS)	**113.322**	**0.048**	**113.370**



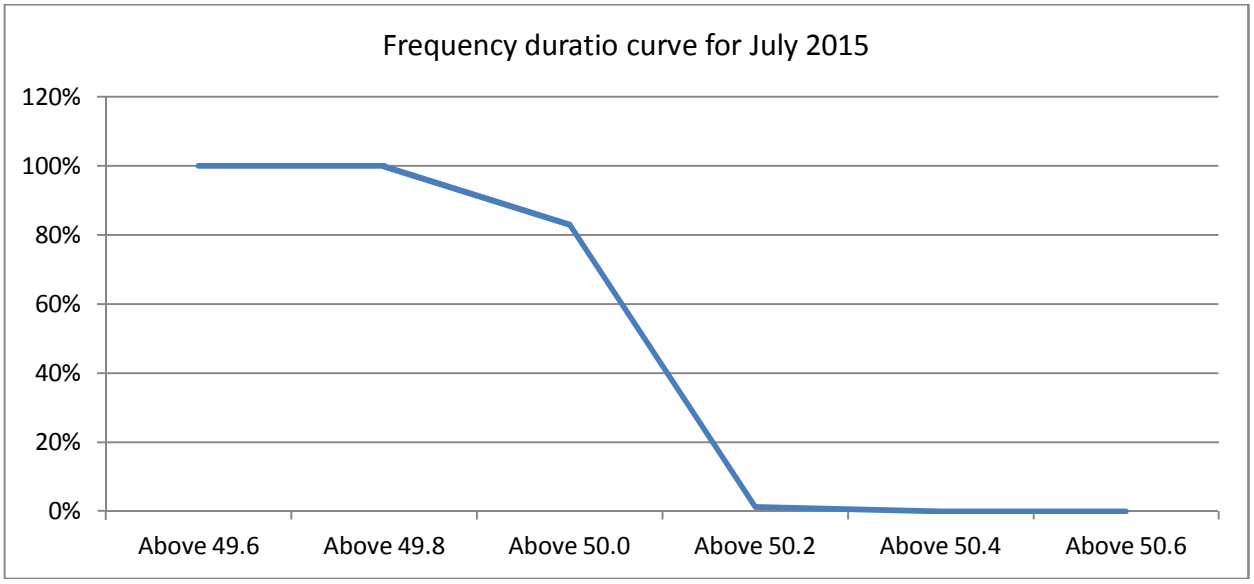
14 LOAD DURATION CURVE FOR JULY 2015

Load in MW	Percentage of Time
Above 2400	100%
Above 2700	99.33%
Above 3000	97.38%
Above 3300	92.44%
Above 3600	82.16%
Above 3900	70.43%
Above 4200	54.30%
Above 4500	28.23%
Above 4800	12.80%
Above 5100	4.44%
Above 5400	0.74%



15 FREQUENCY ANALYSIS FOR THE MONTH OF JULY 2015

Frequency Range in Hz.	Percentage of time
Above 49.6	100%
Above 49.8	99.87%
Above 50.0	83.06%
Above 50.2	1.38%
Above 50.4	0.07%
Above 50.6	0.07%



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

All figures in kV

Date	NARELA		GAZIPUR	
	Max	Min	Max	Min
01.Jul.15	223.63	209.57	219.76	202.22
02.Jul.15	224.27	212.54	219.63	200.41
03.Jul.15	224.14	211.25	218.21	200.80
04.Jul.15	225.05	213.31	219.63	200.16
05.Jul.15	224.14	214.34	219.24	204.28
06.Jul.15	225.3	213.18	219.89	--
07.Jul.15	224.92	216.53	222.47	213.83
08.Jul.15	223.76	214.73	220.53	207.38
09.Jul.15	225.56	213.95	220.79	206.86
10.Jul.15	228.27	219.89	223.76	211.89
11.Jul.15	228.01	221.18	223.50	214.60
12.Jul.15	231.49	222.08	226.72	214.73
13.Jul.15	230.21	216.68	224.40	209.44
14.Jul.15	226.56	212.15	221.56	207.25
15.Jul.15	226.08	213.44	222.08	206.09
16.Jul.15	223.50	211.25	219.89	201.06
17.Jul.15	225.69	213.70	219.76	204.67
18.Jul.15	225.69	216.53	220.15	207.89
19.Jul.15	227.24	216.89	222.08	205.70
20.Jul.15	226.08	215.37	220.79	208.02
21.Jul.15	225.30	214.47	219.63	207.38
22.Jul.15	224.66	215.24	220.27	206.73
23.Jul.15	223.37	214.34	218.89	201.83
24.Jul.15	223.76	212.15	216.66	197.19
25.Jul.15	224.27	216.28	217.18	202.99
26.Jul.15	227.37	219.24	223.63	206.86
27.Jul.15	221.05	213.70	218.47	206.35
28.Jul.15	224.01	212.79	220.40	205.70
29.Jul.15	224.40	213.05	219.11	--
30.Jul.15	224.66	215.76	223.76	202.15
31.Jul.15	224.79	215.37	224.79	212.67

17 VOLTAGE PROFILE OF 400 KV SUB-STATIONS IN DELHI DURING JULY 2015

All figures in kV

Date	400kV Bamnauli Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01.Jul.15	410.12	06.01.17	387.84	14.41	399.92
02.Jul.15	409.65	05.16.54	385.73	14.36	398.09
03.Jul.15	406.83	06.03.28	385.03	14.51	396.70
04.Jul.15	408.94	05.10.23	385.73	14.32	396.61
05.Jul.15	407.54	08.02.17	390.42	23.06	398.82
06.Jul.15	408.01	18.06.52	--	16.21	394.66
07.Jul.15	415.04	06.04.41	395.81	10.30	401.56
08.Jul.15	407.30	08.02.08	389.95	14.43	396.16
09.Jul.15	408.01	08.02.12	388.78	1446	398.38
10.Jul.15	412.70	05.15.25	396.99	00.36	404.18
11.Jul.15	414.34	02.01.38	400.50	19.47	407.43
12.Jul.15	419.03	10.00.53	401.44	20.42	412.32
13.Jul.15	416.21	04.03.16	393.70	19.14	404.39
14.Jul.15	410.82	05.07.49	385.26	14.52	398.43
15.Jul.15	409.88	05.16.53	384.56	14.44	396.01
16.Jul.15	405.83	05.05.37	379.63	14.42	392.82
17.Jul.15	406.83	06.02.32	385.26	14.44	396.41
18.Jul.15	406.83	06.01.35	389.01	11.39	399.39
19.Jul.15	410.12	04.02.48	389.01	19.52	402.80
20.Jul.15	409.18	05.15.22	390.42	14.46	399.83
21.Jul.15	409.65	05.08.06	388.54	22.07	398.16
22.Jul.15	408.94	04.01.40	389.25	14.46	399.23
23.Jul.15	405.19	05.17.14	387.37	14.34	397.52
24.Jul.15	405.43	06.01.39	385.26	14.33	397.27
25.Jul.15	408.71	06.05.00	390.42	14.48	399.62
26.Jul.15	413.87	06.02.00	385.26	22.26	405.44
27.Jul.15	407.54	03.57.00	387.84	14.44	398.23
28.Jul.15	408.71	06.05.00	386.67	11.13	397.53
29.Jul.15	409.18	05.05.00	386.90	14.52	398.46
30.Jul.15	408.94	05.07.00	393.23	19.19	401.14
31.Jul.15	409.18	06.02.00	390.19	11.20	401.25

All figures in kV

Date	400kV Bawana Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01.Jul.15	415.74	06.01.19	397.22	14.41	407.42
02.Jul.15	411.06	17.57.24	395.11	14.35	403.82
03.Jul.15	413.17	06.30.05	393.94	14.55	404.56
04.Jul.15	414.57	05.09.44	395.58	14.32	404.39
05.Jul.15	413.17	08.03.04	398.63	22.22	405.58
06.Jul.15	417.15	06.00.49	399.57	14.42	408.90
07.Jul.15	419.73	06.05.04	407.54	10.30	410.98
08.Jul.15	415.74	08.02.10	401.44	14.54	407.14
09.Jul.15	416.92	08.02.23	402.61	14.46	409.88
10.Jul.15	423.95	05.15.23	409.65	09.43	414.78
11.Jul.15	422.78	01.59.36	410.35	19.47	416.96
12.Jul.15	428.41	10.01.13	412.23	20.44	421.29
13.Jul.15	425.36	04.00.06	406.83	11.31	415.29
14.Jul.15	421.61	06.01.48	395.81	14.52	409.10
15.Jul.15	418.32	05.17.05	394.64	14.27	406.13
16.Jul.15	414.81	05.04.39	392.30	14.39	404.13
17.Jul.15	416.21	06.04.29	396.75	14.47	406.77
18.Jul.15	415.74	18.03.09	395.58	14.29	409.01
19.Jul.15	418.32	05.04.48	399.33	19.52	411.17
20.Jul.15	418.32	06.50.42	400.27	14.47	408.54
21.Jul.15	415.51	05.10.00	397.92	22.02	405.82
22.Jul.15	415.74	04.01.38	238.71	23.07	406.41
23.Jul.15	411.52	05.16.22	396.28	14.35	404.85
24.Jul.15	411.29	06.01.59	394.41	14.28	404.37
25.Jul.15	413.17	06.04	243.40	06.34	407.46
26.Jul.15	419.26	06.02	243.63	02.06	411.22
27.Jul.15	409.65	00.49	409.65	00.49	409.65
28.Jul.15	409.65	00.50	392.76	11.20	403.37
29.Jul.15	412.70	05.04	392.76	14.52	404.02
30.Jul.15	413.63	07.01	239.64	08.29	08.29
31.Jul.15	415.04	18.06	399.10	11.37	407.99

18 DETAILS OF LUMPED CAPACITORS AT NEAREST 220 KV SUBSTATION

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

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

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

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

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

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

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

20 DETAILS OF BREAK-DOWNS DURING THE MONTH OF JULY 2015

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
1	2.7.15	11:30	ELECTRIC LANE 220/33kV 100MVA Tx-II	2.7.15	11:51	TR. TRIPPED ON SPR, F6
2	2.7.15	11:50	INDRAPRASTHA POWER 220/33kV 100MVA Tx-I	2.7.15	12:10	TR. TRIPPED ON 86, 51NX
3	2.7.15	11:50	INDRAPRASTHA POWER 220/33kV 100MVA Tx-II	2.7.15	12:10	TR. TRIPPED ON E/F
4	2.7.15	18:00	INDRAPRASTHA POWER 220/33kV 100MVA Tx-I	2.7.15	18:22	33KV I/C-I TRIPPED ON O/C, E/F, 86
5	2.7.15	18:30	INDRAPRASTHA POWER 220/33kV 100MVA Tx-I	2.7.15	18:38	33KV I/C-I TRIPPED ON 86, O/C, E/F
6	2.7.15	18:30	INDRAPRASTHA POWER 33kV 10MVAR CAP. BANK-III	03.07.15	19:10	CAPACITOR BANK MADE OFF DUE TO Y PHASE CT CAUGHT FIRE
7	3.7.15	15:05	NARAINA 220/33kV 100MVA Tx-III	3.7.15	15:24	TX TRIPPED ON 86B AND 33KV I/C-3 TRIPPED ON O/C.
8	3.7.15	15:05	NARAINA 220/33kV 100MVA Tx-I	3.7.15	15:24	33KV I/C-1 TRIPPED ON O/C.
9	4.7.15	19:43	220kV PRAGATI - SARITA VIHAR CKT	4.7.15	22:22	AT PRAGATI CKT TRIPPED ON D/P,Z-1,DIST-2.991KM. AT SARITA VIHAR CKT TRIPPED ON D/P,Z-1,DIST-8.80KM,186A&B.
10	4.7.15	20:14	PRAGATI 220/66kV 160MVA Tx-II	4.7.15	22:22	TX TRIPPED ON REF.
11	5.7.15	22:22	220kV MUNDKA-NAJAFGARH CKT-I	5.7.15	22:49	AT MUNDKA CKT TRIPPED ON D/P,Z-1,2&3,B-PH,AUTO-RECLOSE. NO TRIPPING AT NJF.
12	6.7.15	07:16	220 KV TRAUMA CENTER-RIDGE VALLEY CKT-2	6.7.15	12:11	AT TRAUMA CENTER CKT TRIPPED ON O/C,86A&B. AT RIDGE VALLEY CKT TRIPPED ON GENERAL TRIP,FUSE FAIL.
13	6.7.15	16:07	220KV GAZIPUR - MAHARANIBAGH CKT. -II	6.7.15	16:27	AT MAHARANI BAGH CKT TRIPPED ON D/P,Z-2&3. NO TRIPPING AT GAZIPUR. HOWEVER 220KV BUS COUPLER TRIPPED ON B-PH,O/C AT GAZIPUR.
14	6.7.15	16:07	220KV GAZIPUR - MAHARANIBAGH CKT. -I	6.7.15	16:27	AT MAHARANI BAGH CKT TRIPPED ON D/P,Z-2&3. NO TRIPPING AT GAZIPUR. HOWEVER 220KV BUS COUPLER TRIPPED ON B-PH,O/C AT GAZIPUR.
15	6.7.15	23:08	RIDGE VALLEY 220/66kV 160MVA Tx-II	7.7.15	18:39	TX TRIPPED ON DIFFERENTIAL AND I/C-2 TRIPPED ON 86.
16	7.7.15	16:50	BAMNAULI 400/220kV 315MVA ICT-I	7.7.15	21:50	ICT TRIPPED ON DIFFERENTIAL RY&B-PH. 220KV I/C-1 TRIPPED ON O/C,B-PH,186. Y-PH LA OF 220KV SIDE DAMAGED.
17	7.7.15	19:01	400kV Bamnauli-Jhatikara Ckt-II	7.7.15	19:35	AT BAMNAULI CKT TRIPPED ON 186A,85LO. NO TRIPPING AT JHATIKARA.
18	7.7.15	19:55	MEHRAULI 66/11kV, 20MVA Tx-I	7.7.15	22:45	11KV I/C-1 TRIPPED ON 86.
19	8.7.15	09:58	RIDGE VALLEY 220/66kV 160MVA Tx-II	10.7.15	17:57	TX TRIPPED ON DIFFERENTIAL PROTECTION AND 66KV I/C-2 TRIPPED ON 86A.
20	8.7.15	23:41	400kV Ballabhgarh-Bamnauli Ckt-I	20.7.15	16:28	CKT MADE OFF AT BAMNAULI S/STN DUE TO THEFT OF EARTH STRIP.
21	9.7.15	11:15	INDRAPRASTHA POWER 33kV NIRMAN BHAWAN CKT (BAY-2)	9.7.15	18:15	R-PH JUMPER OF CKT SNAPPED. CKT DID NOT TRIP BUT MADE OFF MANUALLY.

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
22	9.7.15	11:15	INDRAPRASTHA POWER 220/33kV 100MVA Tx-I	9.7.15	18:15	33KV I/C-1 OF TX TRIPPED ON 51NX,E/F,86.
23	9.7.15	14:00	WAZIRPUR 220/33kV 100MVA Tx-II	9.7.15	14:51	TX TRIPPED ON 86-A,86-B,GRA PROTECTION FAIL, DC FAIL.
24	9.7.15	15:00	PAPPANKALAN-I 66kV 20MVAR CAP. BANK	10.7.15	09:35	WHILE CHARGING CAP BANK, E/F,51-R&B RELAY APPEARED BUT CAP BANK DID NOT TRIP.
25	10.7.15	08:55	400kV Mandola-Bawana Ckt-I	10.7.15	17:07	CKT MADE OFF AT BAWANA AS SPARKING OBSERVED AT B-PH CVT CLAMP LINE SIDE.
26	10.7.15	09:30	NAJAFGARH 66/11kV, 20MVA Tx-III	10.7.15	13:25	TX TRIPPED ON HIGH OIL TEMPERATURE.
27	10.7.15	16:08	220kV KASHMEREGATE - DMRC CKT.-II	10.7.15	16:32	CKT TRIPPED WITHOUT INDICATION AT KASHMEREGATE.
28	10.7.15	16:08	220kV WAZIRABAD - KASHMEREGATE CKT-II	10.7.15	16:23	CKT TRIPPED WITHOUT INDICATION AT KASHMEREGATE. NO TRIPPING AT WAZIRABAD.
29	10.7.15	18:02	GEETA COLONY 220/33kV 100MVA Tx-I	10.7.15	18:46	TX TRIPPED ON 30B. 33KV I/C-1 TRIPPED O/C,30CB,86.
30	10.7.15	18:24	220kV BAMNAULI-NARAINA CKT-I	10.7.15	21:50	AT BAMNAULI CKT TRIPPED ON D/P,A-PH,Z-1,DIST-3.47KM.
31	11.7.15	02:02	PARKSTREET 220/66kV 100MVA Tx-I	11.7.15	02:22	66KV I/C-1 OF TX TRIPPED ON E/F.
32	11.7.15	05:42	SHALIMAR BAGH 33/11kV, 20MVA Tx	11.7.15	11:58	TX TRIPPED ON DIFFERENTIAL AND E/F. 11KV I/C TRIPPED ON INTER TRIPPING. FLASH OCCURRED ON R & Y-PH BUSHING HV SIDE.
33	11.7.15	08:50	ROHINI 220/66kV 100MVA Tx-I	11.7.15	10:15	TX TRIPPED ON 96,186A&B. 66KV I/C-1 TRIPPED ON 186. BUS BAR PROTECTION OPERATED AT ROHINI.
34	11.7.15	08:50	ROHINI 220/66kV 100MVA Tx-II	11.7.15	10:15	TX TRIPPED ON 96,186A&B. 66KV I/C-1 TRIPPED ON 186. BUS BAR PROTECTION OPERATED AT ROHINI.
35	11.7.15	08:50	220KVBAWANA- ROHINI CKT-I	11.7.15	10:15	CKT TRIPPED ON 96,186A&B AT ROHINI. BUS BAR PROTECTION OPERATED AT ROHINI. NO TRIPPING AT BAWANA.
36	11.7.15	08:50	220kV ROHINI-SHALIMARBAGH CKT-I	11.7.15	10:42	CKT TRIPPED ON BUS BAR PROTECTION AT ROHINI.
37	11.7.15	09:20	220kV KANJHAWALA-NAJAFGARH CKT-2	11.7.15	09:29	AT NJF CKT TRIPPED ON 186. NO TRIPPING AT KANJHAWALA.
38	11.7.15	14:44	VASANT KUNJ 220/66kV 100MVA Tx-II	11.7.15	20:50	TX TRIPPED ON 30A,B-PH 87T (DIFFERENTIAL PROTECTION).
39	11.7.15	16:21	WAZIRPUR 220/33kV 100MVA Tx-II	11.7.15	17:26	TX TRIPPED ON 86 A&B, GR-A,GR-B, PRD-I,PRV.
40	11.7.15	16:28	PARKSTREET 220/66kV 100MVA Tx-II	11.7.15	19:16	TX TRIPPED ON 30F, PRV, 86B. 66KV I/C-2 TRIPPED ON 95B.
41	11.7.15	16:39	PARKSTREET 220/66kV 100MVA Tx-I	11.7.15	16:42	66KV I/C-1 TRIPPED ON E/F,51N.
42	11.7.15	21:20	NAJAFGARH 220/66kV 100MVA Tx-I	11.7.15	22:04	TX TRIPPED ON E/F,86. 66KV I/C-1 TRIPPED ON INTER TRIPPING.
43	11.7.15	21:20	NAJAFGARH 220/66kV 100MVA Tx-III	11.7.15	22:04	TX TRIPPED ON E/F,86. 66KV I/C-1 TRIPPED ON INTER TRIPPING.

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
44	11.7.15	21:20	MUNDKA 400/220KV 315MVA ICT-III	12.7.15	20:33	ICT TRIPPED ON PRV,86-A&B,30F.
45	11.7.15	21:20	220KV MUNDKA-PEERAGARHI CKT-II	12.7.15	18:44	AT MUNDKA CKT TRIPPED ON 86,87,A/R, CARRIER CHANNEL I&II FAILED. NO TRIPPING AT PEERAGARHI.
46	11.7.15	21:20	220kV MUNDKA-NAJAFGARH CKT-I	11.7.15	23:14	AT MUNDKA CKT TRIPPED ON D/P,75A&B,86A&B. B-PH POLE OF CB STRUCK. AT NJF CKT TRIPPED ON E/F,86.
47	11.7.15	21:25	INDRAPRASTHA POWER 220/33kV 100MVA Tx-III	11.7.15	22:10	33KV I/C-3 TRIPPED ON 51 R&B-N,O/C,E/F.
48	12.7.15	04:57	PARKSTREET 220/66kV 100MVA Tx-I	12.7.15	05:12	66KV I/C-1 TRIPPED ON E/F.
49	12.7.15	10:08	HARSH VIHAR 400/220kV 315MVA ICT-III	12.7.15	11:39	ICT TRIPPED ON WINDING TEMP. ALARM,A/R,86
50	12.7.15	10:29	400kV Dadri - Harsh Vihar Ckt. - II	12.7.15	12:22	AT HARSH VIHAR CKT TRIPPED ON GENERAL TRIP,RY&B-PH,86, A/R.
51	12.7.15	19:20	220KV BAWANA-SHALIMARBAGH CKT-II	12.7.15	20:50	AT SHALIMARBAGH CKT TRIPPED WITHOUT INDICATION. NO TRIPPING AT BAWANA.
52	13.7.15	16:22	220kV MEHRAULI - VASANT KUNJ CKT.-I	13.7.15	16:55	AT VASANT KUNJ CKT TRIPPED ON AUTO RE-CLOSE LOCK OUT. NO TRIPPING AT MEHRAULI.
53	13.7.15	19:05	400kV Bamnauli-Jhatikara Ckt-II	13.7.15	19:16	AT BAMNAULI CKT TRIPPED ON 85LO,186-A&B. NO TRIPPING AT JHATIKARA.
54	13.7.15	21:55	INDRAPRASTHA POWER 220/33kV 100MVA Tx-I	13.7.15	22:07	33KV I/C-1 TRIPPED ON O/C.
55	15.7.15	07:56	PEERA GARHI 220/33kV 100MVA Tx-III	15.7.15	09:50	33KV I/C-3 TRIPPED ON 86.
56	15.7.15	10:02	PEERA GARHI 220/33kV 100MVA Tx-II	15.7.15	10:10	TX TRIPPED ON UNDER VOLTAGE AND 33KV I/C-2 TRIPPED ON 86-A&B.
57	16.7.15	20:56	OKHLA 220/33kV 100MVA Tx-III	16.7.15	22:50	TX TRIPPED ON 51N,E/F,86.
58	17.7.15	20:20	NAJAFGARH 66/11kV, 20MVA Tx-II	17.7.15	20:38	TX TRIPPED ON O/C.
59	18.7.15	11:39	220kV BAMNAULI - DIAL CKT-II	18.7.15	16:38	AT BAMNAULI CKT TRIPPED ON D/P,Z-1,DIST-11.2 KM, 186-A&B. AT DIAL CKT TRIPPED ON REL FUSE FAIL, RED FUSE FAIL,RED COMMUNICATION FAIL,52,REL MAIN-2,Z-1 OPERATED.
60	18.7.15	14:32	220kV WAZIRABAD-GEETA COLONY CKT-I	18.7.15	14:37	AT GEETA COLONY CKT TRIPPED ON D/P,Z-1,DIST-4.314KM. NO TRIPPING AT WZB S/STN.
61	18.7.15	14:32	220KV WAZIRABAD - MANDOLA CKT-I	19.7.15	12:32	AT MANDOLA CKT TRIPPED ON D/P,B-PH,Z-2,DIST-12.72KM. AT WZB CKT TRIPPED ON GENERAL TRIP,RY&B-PH,Z-1. Y-PH LA DAMAGED AT WZB S/STN AND Y-PH CONDUCTOR BETWEEN DEAD END TOWER AND GANTRY SNAPPED AT MANDOLA S/STN.
62	19.7.15	07:30	INDRAPRASTHA POWER 220/33kV 100MVA Tx-II	19.7.15	07:50	33KV I/C-2 TRIPPED ON E/F.
63	19.7.15	10:02	NAJAFGARH 66/11kV, 20MVA Tx-II	19.7.15	14:35	TX TRIPPED ON O/C.
64	20.7.15	10:00	220KV BAWANA-SHALIMARBAGH CKT-II	20.7.15	10:11	AT BAWANA CKT TRIPPED ON D/P,B-PH,86. NO TRIPPING AT SHALIMARBAGH.

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
65	20.7.15	15:56	INDRAPRASTHA POWER 220/33kV 100MVA Tx-II	20.7.15	16:10	TX TRIPPED ON E/F.
66	21.7.15	02:40	INDRAPRASTHA POWER 220/33kV 100MVA Tx-I	21.7.15	03:15	33KV I/C-1 OF TX TRIPPED ON 51NX,E/F.
67	21.7.15	03:05	INDRAPRASTHA POWER 220/33kV 100MVA Tx-II	21.7.15	03:15	33KV I/C-2 OF TX TRIPPED ON E/F.
68	21.7.15	14:35	LODHI RD 220/33kV 100MVA Tx-I	21.7.15	17:44	TX TRIPPED ON 186 A&B,86B.
69	21.7.15	14:35	LODHI RD 220/33kV 100MVA Tx-II	21.7.15	15:04	TX TRIPPED ON O/C,67A, 86A&B. 33KV I/C-2 TRIPPED ON 86B.
70	21.7.15	14:59	220kV BAMNAULI - DIAL CKT-I	21.7.15	20:16	AT BAMNAULI CKT TRIPPED ON D/P,Z-2&3,DIST-15.17KM,186A& B. AT DIAL CKT TRIPPED ON D/P,Z-2,RY&B-PH.
71	21.7.15	14:59	220kV BAMNAULI - DIAL CKT-II	21.7.15	22:41	AT BAMNAULI CKT TRIPPED ON D/P,DIST-20KM,186A&B.AT DIAL CKT TRIPPED ON D/P,Z-1. CONDUCTOR DAMAGED BETWEEN T NO-99 AND 100.
72	21.7.15	15:31	400kV Bamnauli-Jhatikara Ckt-II	21.7.15	20:58	AT BAMNAULI CKT TRIPPED ON D/P,Z-1,B&C-PH,DIST-754M, 186A& B. AT JHATIKARA CKT TRIPPED ON D/P,Y&B-PH,DIST-10KM.
73	21.7.15	17:48	LODHI RD 220/33kV 100MVA Tx-II	21.7.15	20:35	TX TRIPPED ON 86B,186A&B,A/R. 33KV I/C-2 TRIPPED ON 86B.
74	21.7.15	20:40	220kV GEETA COLONY-PATPARGANJ CKT -II	21.7.15	22:30	AT PPG CKT TRIPPED ON 86. NO TRIPPING AT GEETA COLONY.
75	23.7.15	13:13	220kV PRAGATI - PARK STREET CKT-I	23.7.15	13:45	AT PRAGATI CKT TRIPPED DUE TO OPERATION OF BUS BAR PROTECTION. NO TRIPPING AT PARK STREET.
76	23.7.15	13:13	220kV PRAGATI - I.P.CKT - I	23.7.15	14:44	AT PRAGATI CKT TRIPPED DUE TO OPERATION OF BUS BAR PROTECTION. AT IP CKT TRIPPED ON D/P,Z-1.
77	23.7.15	13:13	220kV PRAGATI - PARK STREET CKT-II	23.7.15	14:11	AT PRAGATI CKT TRIPPED DUE TO OPERATION OF BUS BAR PROTECTION. NO TRIPPING AT PARK STREET.
78	23.7.15	13:13	220kV PRAGATI - I.P.CKT - II	23.7.15	18:46	AT PRAGATI CKT TRIPPED DUE TO OPERATION OF BUS BAR PROTECTION. NO TRIPPING AT IP S/STN.
79	23.7.15	13:13	220kV PRAGATI - SARITA VIHAR CKT	23.7.15	13:42	AT PRAGATI CKT TRIPPED DUE TO OPERATION OF BUS BAR PROTECTION. NO TRIPPING AT SARITA VIHAR.
80	23.7.15	13:13	PRAGATI 220/66kV 160MVA Tx-I	23.7.15	13:58	TX TRIPPED DUE TO OPERATION OF BUS BAR PROTECTION.
81	23.7.15	13:13	PRAGATI 220/66kV 160MVA Tx-II	23.7.15	13:49	TX TRIPPED DUE TO OPERATION OF BUS BAR PROTECTION AT PRAGATI S/STN.
82	23.7.15	14:09	PRAGATI 220/66kV 160MVA Tx-II	23.7.15	14:16	TX TRIPPED ON 86.
83	24.7.15	09:09	GOPALPUR 33kV DIFR CKT	26.7.15	10:45	CKT TRIPPED ON D/P,Z-2,Y-PH,186,67NX.Y-PH LINE ISOLATOR CONDUCTOR SNAPPED. PROBLEM IN CB AT GOPALPUR.
84	24.7.15	10:50	NARAINA 33kV 10MVAR CAP. BANK-I	24.7.15	11:52	CAP BANK TRIPPED ON NEUTRAL UNBALANCE.
85	25.7.15	09:44	PAPPANKALAN-I 220/66kV 100MVA Tx-II	25.7.15	09:50	TX TRIPPED ON 86.

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
86	25.7.15	09:44	220kV BAMNAULI - DIAL CKT-II	25.7.15	10:32	AT DIAL CKT TRIPPED ON D/P,RY&B-PH. NO TRIPPING AT BAMNAULI.
87	25.7.15	09:44	220kV DIAL- MEHRAULI CKT-II	25.7.15	09:47	AT MEHRAULI CKT TRIPPED ON 186A&B. NO TRIPPING AT DIAL.
88	25.7.15	09:44	220kV BAMNAULI-NAJAFGARH CKT-II	25.7.15	17:59	AT BAMNAULI CKT TRIPPED ON D/P,C-PH,186A&B,DIST-15.8KM. CKT WAS IN OFF POSITION AT NJF.
89	25.7.15	09:44	220kV BAMNAULI - DIAL CKT-I	25.7.15	10:32	AT DIAL CKT TRIPPED ON D/P,RY&B-PH. NO TRIPPING AT BAMNAULI.
90	25.7.15	09:44	220kV BAMNAULI-PAPPANKALAN-I CKT-II	25.7.15	13:35	AT BAMNAULI CKT TRIPPED ON 67N, 186A&B. Y-PH CT CLAMP DAMAGED. NO TRIPPING AT PPK-1.
91	25.7.15	09:44	220kV BAMNAULI-PAPPANKALAN-I CKT-I	25.7.15	09:51	AT BAMNAULI CKT TRIPPED ON 86. NO TRIPPING AT PPK-1
92	25.7.15	11:46	220kV MEHRAULI - BTPS CKT. - I	25.7.15	19:12	AT MEHRAULI CKT TRIPPED ON D/P,Z-1,DIST-1.48KM,186. AT BTPS CKT TRIPPED ON D/P,Z-2,DIST-15.7KM.
93	26.7.15	00:55	ROHINI 66kV 20MVAR CAP. BANK-II	26.7.15	13:05	CAP BANK TRIPPED ON RT-164,86.
94	26.7.15	22:26	220kV GOPALPUR-MANDOLACKT-II	27.7.15	00:45	CKT TRIPPED DUE TO OPERATION OF SPS AT MANDOLA.
95	26.7.15	22:26	220kV GOPALPUR-MANDOLACKT-I	26.7.15	23:17	CKT TRIPPED DUE TO OPERATION OF SPS AT MANDOLA.
96	27.7.15	16:05	GEETA COLONY 220/33kV 100MVA Tx-I	27.7.15	16:17	TX TRIPPED ON 86,30E AND 33KV I/C-1 TRIPPED ON AUTO TRIP.
97	27.7.15	18:00	GEETA COLONY 220/33kV 100MVA Tx-I	27.7.15	19:37	TX TRIPPED ON 30A,86 AND 33KV I/C-1 TRIPPED ON AUTO TRIP.
98	27.7.15	22:02	KANJHAWALA 66/11kV, 20MVA Tx-II	27.7.15	22:08	11KV I/C-2 TRIPPED ON E/F.
99	28.7.15	12:08	HARSH VIHAR 220/66KV 160MVA ICT-3	28.7.15	13:17	TX TRIPPED ON CB LOW GAS PRESSURE AND 66KV I/C-2 TRIPPED ON 86.
100	28.7.15	12:08	HARSH VIHAR 220/66KV 160MVA ICT-2	28.7.15	13:17	TX TRIPPED ON CB LOW GAS PRESSURE AND 66KV I/C-2 TRIPPED ON 86.
101	28.7.15	12:08	HARSH VIHAR 220/66KV 160MVA ICT-1	28.7.15	13:17	TX TRIPPED ON CB LOW GAS PRESSURE AND 66KV I/C-2 TRIPPED ON 86.
102	29.7.15	08:39	220KV GAZIPUR - MAHARANIBAGH CKT. -I	29.7.15	09:18	AT M BAGH CKT TRIPPED ON D/P,Z-3,DIST-5.5KM. CKT DID NOT TRIP AT GAZIPUR.
103	29.7.15	08:39	220KV GAZIPUR - MAHARANIBAGH CKT. -II	29.7.15	09:11	AT M BAGH CKT TRIPPED ON D/P,DIST-5.1KM. CKT DID NOT TRIP AT GAZIPUR.
104	29.7.15	13:12	220KV GAZIPUR - MAHARANIBAGH CKT. -I	29.7.15	17:04	AT M BAGH CKT TRIPPED ON D/P,DIST-0.2KM. NO TRIPPING AT GAZIPUR.
105	30.7.15	05:17	220kV MUNDKA-KANJHAWALA CKT-I	30.7.15	06:06	AT MUNDKA CKT TRIPPED ON D/P,Z-1,DIST-2.6KM. CKT DID NOT TRIP AT KANJHAWALA.
106	30.7.15	05:17	220kV MUNDKA-NAJAFGARH CKT-I	30.7.15	05:56	AT NJF CKT TRIPPED ON E/F,D/P,Z-1,2 & 3. NO TRIPPING AT MUNDKA.
107	30.7.15	05:17	220kV KANJHAWALA-NAJAFGARH CKT-2	30.7.15	06:08	AT NJF CKT TRIPPED ON D/P,Z-1. NO TRIPPING AT KANJHAWALA.
108	31.7.15	16:14	220kV BAMNAULI - DIAL CKT-I	31.7.15	18:24	AT BAMNAULI CKT TRIPPED ON D/P,Z-1,A-PH,DIST-6.145KM. AT DIAL CKT TRIPPED ON REL-I&II,MAIN-II,R-PH TRIP,Z-1.

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

DATE	S. N.	TIME		Name of Grid	NAME OF AFFECTED FEEDERS	MODE	LOAD RELIEF IN MW
		OUT	IN				
09.07.15	1	12.38	12.48	SHALIMARBAGH	11kV Load	Df/dt	2
	2	12.38	12.41		33kV SMB Khosla	Df/dt	3