DELHI TRANSCO LTD.

STATE LOAD DISPATCH CENTER

PROGRESS REPORT

****

NOVEMBER 2015

1 SALIENT FEATURES OF DELHI POWER SYSTEM

Sr. No.	Features	NOVEMBER 2014	NOV 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)**	**3408**	**4518**
	Date	07.11.2014	30.04.15
	Time	18.22.27	15.32.55
3	**Peak Demand met (MW)**	**3408**	**4517**
	Date	07.11.2014	30.04.15
	Time	18.22.27	15.32.55
4	Peak Availability (MW)	3376	4379
5	Shortage (-) / Surplus (+) in MW	(-) 32	(-) 138
6	Percentage Shortage (-) / Surplus (+)	(-) 0.94	(-) 3.06
7	Maximum Energy Consume in a day (Mus)	62.557	92.955
8	Energy Consumed during the month	**1744.305**	**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	0.219	0.131
	BRPL	0.286	0.398
	BYPL	0.098	0.044
	NDMC	0.075	0.000
	MES	0.003	0.000
iv)	Due to transmission Constraints in Central Sector	0.000	0.000
	Total due to Grid Restriction	**0.603**	**0.573**
B)	Due to Constraints in System in Mus		
	DTL	0.092	0.699
	NDPL	0.056	0.240
	BRPL	0.052	0.216
	BYPL	0.049	0.275
	NDMC	0.000	0.000
	MES	0.000	0.000
	Other Agencies	0.000	0.000
	Total	**0.689**	**1.430**
11	**Grand Total in Mus**	**1.292**	**2.003**

2. PERFORMANCE OF GENERATING STATIONS WITHIN DELHI DURING NOVEMBER 2015

A) For the month of November 2015

All Figures in MUs

S. No	Stations	Gross Generation	Aux. Consumption	Net Generation	Availability (%)	Backing Down
1.	**RPH**	0.000	0.424	-0.424	80.15	69.120
2.	**GT**	30.452	1.482	28.970	89.44	139.969
3.	**PPCL**	113.531	2.675	110.856	103.60	128.147
4.	**BTPS**	126.277	12.780	113.497	102.67	345.479
5.	**Rithala**	0.000	0.060	-0.060	**89.17**	59.040
6.	**Bawana**	172.851	7.001	165.850	72.92	533.460
7.	**Towmcl**	12.886	1.743	11.143	--	--
	TOTAL	**455.997**	**26.165**	**429.832**	**--**	**1275.215**

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

Power Station	Effective Capacity (MW)	Net Generation in MUs for Nov. 2015	Availability (%) for Nov 2015	PLF (%) for Nov 2015	Cumulative Generation in MUs upto Nov 2015 for the year 2015-16	Cumulative Availability in % upto Nov 2015 for the year 2015-16	Cumulative PLF in % upto Nov 2015 for the year 2015-16
RPH	135	-0.424	80.15	-1.02	35.141	74.06	4.62
GT	270	28.970	89.44	15.21	335.678	68.24	21.63
PPCL	330	110.856	103.60	47.99	1172.914	97.48	63.20
BTPS	705	113.497	102.67	26.20		92.38	42.69
Rithala	108	-0.060	**89.17**	0	-0.488	**87.02**	**--**
Bawana	1372	165.850	72.92	17.13	1174.391	59.54	15.15
Towmcl	16	11.143	--	--	85.798	--	--
TOTAL	2936	**429.832**	**---**	**--**		**--**	--

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	06.05.15	22.40	
		08.05.15	13.40	--	--	Tripped on boiler tube leakage

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	--	--	Stopped due to shortage of coal

(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	Machine stopped due to fire in cable
		12.06.15	22.48	24.06.15	12.30	Stopped due to low demand and high frequency
		24.06.15	12.31	30.06.15	11.50	Machine not available due to problem in diesel engine
		30.06.15	12.10	03.08.15	13.08	Stopped due to low demand and high frequency
		03.08.15	17.15	07.08.15	19.15	
		07.08.15	19.15	08.08.15	11.53	Machine could not be taken on load due to problem in diesel engine
		12.08.15	10.20	14.08.15	06.07	Stopped due to low demand and high frequency
		15.08.15	11.53	15.08.15	12.36	Machine tripped on emergency trip manual alarm
		01.09.15	16.12	01.09.15	17.19	Machine tripped due to grid disturbance
		02.09.15	19.50	19.10.15	15.00	Stopped due to low demand and high frequency
		19.10.15	15.00	30.10.15	12.30	Machine stopped for combustion inspection
		30.10.15	12.30	30.10.15	18.10	Stopped due to low demand and high frequency
		30.10.15	18.25	31.10.15	23.59	

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
2	30	01.02.14	17.00	24.10.15	14.00	Machine stopped due to high viberation
		24.10.15	18.25	25.10.15	17.03	Machine synchronized for testing
		25.10.15	18.35	26.10.15	16.15	Machine stopped for inspection
		26.10.15	16.15	31.10.15	23.59	Stopped due to low demand and high frequency

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
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	07.08.15	19.35	Stopped due to low demand and high frequency
		07.08.15	19.35	08.08.15	16.25	Machine could not be taken on load due to problem in desigle engine
		08.08.15	16.25	10.08.15	16.55	Stopped due to low demand and high frequency
		11.08.15	00.05	11.08.15	14.18	Machine started to roll STG-2 for improving IR Value of generator
		13.08.15	20.52	31.10.15	23.59	Machine tripped due to tripping of tr. And further 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 on grid disturbance and further 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 macine tripped on electrical fault
		04.07.15	19.20	17.07.15	20.22	Stopped due to low demand and high frequency
		17.07.15	20.22	07.08.15	20.26	Machine not available due to damage of LV side y phase bushing of unit transformer
		08.08.15	04.00	13.08.15	23.05	Stopped due to low demand and high frequency
		14.08.15	06.12	31.10.15	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	
		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 jerk
		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	Machine tripped due to islanding from 220kV side PPS-1
		28.07.15	16.52	28.07.15	18.30	Tripped due to electrical trouble
		28.07.15	19.07	29.07.15	00.32	
		07.08.15	19.00	03.10.15	13.28	Stopped due to low demand and high frequency
		03.10.15	16.12	03.10.15	16.57	Machined tripped on exhaust temp high spread alarm
		07.10.15	01.20	09.10.15	04.29	Stopped due to low demand and high frequency

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 due to low demand and high frequency
		07.07.15	16.00	10.07.15	23.00	Stopped due to oil leakage in GT
		10.07.15	23.00	13.07.15	10.22	Stopped due to low demand and high frequency
		14.07.15	03.50	14.07.15	04.06	Machine came on FSNL due to tripping of 20MVA Tr.
		17.07.15	08.20	17.07.15	08.25	
		23.07.15	13.13	23.07.15	14.12	Machine tripped due to islanding of 220side PPS-I
		07.08.15	19.00	02.9.15	17:52	Stopped due to low demand and high frequency
		09.9.15	11:42	09.9.15	12:36	Machine tripped as both 160 MVA Transformer I&II tripped
		13.9.15	12:50	13.9.15	13:33	Machine tripped as both 160 MVA Transformer I&II tripped
		17.9.15	09:42	17.9.15	09:58	Machine came on FSNL as the 66 KV beaker opened.
		19.9.15	05:25	19.9.15	05:58	Bus differential relay on BB-3 & 4 operated, Unit came on FSNL.
		19.9.15	18:28	19.9.15	18:32	Bus differential relay on BB-3 & 4 operated Unit came on FSNL.
		04.10.15	21.02	05.10.15	15.56	Stopped due to low demand and high frequency
		09.10.15	03.50	31.10.15	23.59	

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	23.59	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 vaccume
		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 could not be available due to problem in GT-1
		30.06.15	13.00	03.08.15	16.32	Stopped due to low demand and high frequency
		03.08.15	17.15	07.08.15	23.59	
		09.08.15	07.15	09.08.15	15.55	Machine stopped due to generator temperature very high
		12.08.15	10.20	14.08.15	09.15	Stopped due to low demand and high frequency
		15.08.15	11.53	15.08.15	15.04	Machine tripped due to tgripping of GT
		01.09.15	16.12	01.09.15	17.19	Machine tripped due to grid disturbance
		02.09.15	19.50	19.10.15	15.00	Stopped due to low demand and high frequency
		19.10.15	15.00	30.10.15	12.30	Machined stopped due to combustion inspection of GT -1
		30.10.15	12.30	31.10.15	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 on 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 breakup
		03.07.15	00.53	03.07.15	02.42	Machine tripped as GT-4 tripped due to loss of exciation
		04.07.15	19.20	08.08.15	02.18	Stopped due to low demand and high frequency
		08.08.15	02.18	12.08.15	09.47	Machine tried to synchronise but tripped on generator stator earth fault
		13.08.15	20.52	13.08.15	23.59	Stopped due to low demand and high frequency
		14.08.15	00.00	14.08.15	12.30	Machine could not be taken on load due to heavy vibration in turbine
		14.08.15	12.30	31.10.15	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
		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 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 durm level high
		10.07.15	21.10	07.07.15	22.25	Heavy jerk observed in control room and machine tripped
		14.07.15	03.50	10.07.15	05.52	Machine tripped on sudden jerk observed in ontrol room
		17.07.15	08.20	14.07.15	09.36	Machine tripped on sudden jerk observed in control room
		23.07.15	13.13	17.07.15	17.15	machine tripped due to islanding from 220side PPS-1
		01.08.15	07.27	23.07.15	16.30	Machine triped on false alarm of boiler trip
		01.08.15	16.30	01.08.15	17.18	HRSG #6 made parallel with HRSG-5
		02.08.15	01.47	02.08.15	04.25	machine tripped on false alarm of inlet steam temp low
		02.08.15	04.25	02.08.15	04.40	HRSG-5 made parallel with HRSG -6
		05.08.15	11.10	05.08.15	13.23	Machine tripped on low vaccum
		06.08.15	18.02	07.08.15	01.40	Machine tripped on heavy jerk
		07.08.15	17.15	15.08.15	23.59	Machine tripped as the turbovisiory monitor trip with flash
		16.08.15	00.00	22.08.15	16.45	Stopped due to low demand and high frequency
		22.08.15	16.45	30.08.15	16.00	Stopped to attend smoke from bearing no -1 and control valve
		30.08.15	16.00	02.09.15	19.44	Stopped due to low demand and high frequency
		09.09.15	11.42	09.09.15	13.58	Machine tripped as both 160 MVA Transformer I&II tripped
		09.09.15	16.47	09.09.15	17.40	Machine tripped on Exhaust steam pressure very high.
		13.09.15	12.50	13.09.15	14.10	Machine tripped as both 160 MVA Transformer I&II tripped
		17.09.15	09.42	17.09.15	10.35	Machine tripped manually as the GT#6 came on FSNL
		19.09.15	05.25	19.09.15	05.58	Machine tripped as the GT#6 came on FSNL
		22.09.15	16.17	22.09.15	17.04	Machine tripped as the GT#6 came on FSNL
		09.10.15	03.50	09.10.15	05.20	Machine tripped due to tripping of GT

(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
		18.09.15	14.57	18.09.15	16.26	Unit tripped on internal fault
		19.09.15	15.24	19.09.15	18.42	
		20.09.15	13.08	20.09.15	15.20	
		26.09.15	18.07	26.09.15	19.52	Unit tripped due to grid disturbance
		12.10.15	22.06	13.10.15	00.31	Unit tripped due to bus -1 dead
		13.10.15	12.58	13.10.15	13.55	
		07.11.15	10.55	07.11.15	20.53	GT-1 stopped after swaping of GT-2 for testing
		21.11.15	15.25	21.11.15	16.21	GT-1 tripped due to bus ï I died

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	
		01.09.15	16.06	01.09.15	16.24	Unit tripped due to bus ï II tripped
		09.09.15	11.43	09.09.15	11.59	Unit tripped due to bus ï II tripped
		13.09.15	12.53	13.09.15	13.33	Unit tripped on grid disturbance
		22.09.15	17.00	07.11.15	09.35	Stopped due to low demand and high frequency
		07.11.15	21.52	30.11.15	23.59	

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
		26.09.15	18.07	26.09.15	21.31	
		12.10.15	22.06	13.10.15	02.45	
		13.10.15	02.45	13.10.15	22.07	Stopped to attend internal fault
		20.10.15	04.16	21.10.15	17.40	
		21.11.15	15.16	21.11.15	18.44	STG tripped due to grid disturbance

(D) BADARPUR THERMAL POWER STATION

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	95	01.04.15	00.00	31.10.15	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	05.08.15	23.59	
		06.08.15	00.00	23.09.15	04.41	
		24.09.15	19.52	31.10.15	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 & Excitaiton system problem
		20.06.15	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	01.08.15	19.35	
		03.08.15	20.38	20.09.15	12.40	Stopped due to low demand and high frequency
		27.09.15	03.17	28.09.15	06.30	Gen. , auxiliaries and electrical system problem
		02.10.15	18.16	03.10.15	13.47	
		09.10.15	01.00	31.10.15	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
		05.08.15	08.11	05.08.15	14.29	Stopped due to generation, auxillaires and electrical system problem
		10.09.15	13.53	13.09.15	02.49	Boiler and auxiliaries problem
		13.09.15	03.30	13.09.15	12.11	C&I System problem
		20.09.15	01.48	10.10.15	00.56	Out due to planned outages
		10.10.15	01.26	31.10.15	23.59	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
		01.08.15	13.56	03.08.15	13.40	Stopped due to boiler and auxillzaries
		04.10.15	19.37	04.10.15	23.20	C & I System
		12.10.15	22.05	13.10.15	01.28	Transmission lines / grid disturbance

(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	30.11.15	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	
		11.07.15	15.12	16.07.15	06.14	
		19.07.15	10.22	17.09.15	00.42	
		29.09.15	00.55	30.09.15	01.42	
		03.10.15	00.12	06.10.15	14.42	
		29.10.15	00.54	31.10.15	01.42	Stopped due to low demand and high frequency
		07.11.15	09.47	07.11.15	24.00	Due to ambient conditions DP started icreasing and machine desynch
		08.11.15	00.00	30.11.15	23.59	Stopped due to low demand and high frequency

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
3	216	24.03.15	04.47	01.09.15	10.00	Tripped due to G.T. -3 generator transformer engulfed in fire with huge blast
		01.09.15	10.00	31.10.15	23.59	Stopped due to low demand and high frequency
		01.11.15	00.00	09.11.15	01.25	
		09.11.15	06.42	09.11.15	09.59	
		18.11.15	18.27	18.11.15	21.26	
		28.11.15	18.23	30.11.15	23.59	

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	
		17.07.15	00.23	15.07.15	11.15	GT-4 exhaust spread high
		15.07.15	11.15	22.07.15	12.04	
		25.07.15	21.49	04.09.15	00.03	Stopped due to low demand and high frequency
		16.09.15	19.38	25.09.15	24.00	Unit tripped due to the cold gas temp high
		26.09.15	00.00	31.10.15	23.59	Stopped due to low demand and high frequency

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG-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 bu;shing change
		14.06.15	22.00	16.06.15	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 -1 tripped because of shaft voltage high
		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 synch with GT-2
		16.07.15	10.28	17.09.15	09.07	Stopped due to low demand and high frequency
		29.09.15	00.55	30.09.15	07.53	
		03.10.15	00.12	06.10.15	21.50	
		29.10.15	00.55	31.10.15	07.53	
		07.11.15	09.48	07.11.15	24.00	G.T.-2 DP increased subsequently machine desynchronized
		08.11.15	00.00	08.11.15	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 -2 tripped
		25.07.15	21.49	04.09.15	07.20	Stopped due to low demand and high frequency
		16.09.15	19.38	24.09.15	24.00	Unit tripped as GT-4 tripped due to the cold gas temp high
		26.09.15	00.00	31.10.15	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	30.11.15	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	30.11.15	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	30.11.15	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 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)**
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 from 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**

C) Time block 00.00hrs. to 24.00hrs. @ 0% allocation from Unallocated Quota from 18.07.2015

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	136	0	0	136
Rihand-I	1000	150	100	91	0	0	91
Rihand Stage -II	1000	150	126	114	0	0	114
Rihand Stage -III	1000	150	132	119	0	0	119
ANTA GPS	419	63	44	43	0	0	43
Auriya GPS	663.36	99	72	70	0	0	70
Dadri GPS	829.78	129	91	88	0	0	88
Dadri NCTPS (Th)	840	0	576	521	0	0	521
Dadri NCTPS (Th) Stage-II	980	147	735	665	0	0	665
Unchahaar-I TPS	420	20	24	22	0	0	22
Unchahaar-II TPS	420	63	47	43	0	0	43
Unchahaar-III TPS	210	31	29	26	0	0	26
TOTAL	**9782**	**1302**	**2126**	**1937**	**0**	**0**	**1937**
NHPC							
Baira Suil HPS	180	0	20	20	0	0	20
Salal HPS	690	0	80	79	0	0	79
Tanakpur HEP	94	0	12	12	0	0	12
Chamera HEP	540	0	43	42	0	0	42
Chamera-II HEP	300	54	40	40	0	0	40
Chamera-III HEP	231	35	29	29	0	0	29
URI-I HEP	480	0	53	52	0	0	52
URI-II HEP	240	0	32	32	0	0	32
Sewa HEP	120	18	16	16	0	0	16
Dhauli Ganga HEP	280	42	37	37	0	0	37
Dulhasti HEP	390	58	50	50	0	0	50
Parbati-III HEP	520	66	66	66	0	0	66
TOTAL	**4065**	**272**	**479**	**474**	**0**	**0**	**474**
NPC							
Narora APS	440	64	47	43	0	0	43
RAPP (C)	440	64	56	51	0	0	51
TOTAL	**880**	**128**	**103**	**93**	**0**	**0**	**93**
SVJNL							
Nathpa Jhakri HEP	1500	149	142	141	0	0	141
THDC							
Tehri Hydro	1000	99	103	102	0	0	102
Koteshwar HEP	400	40	39	39	0	0	39
TOTAL	**1400**	**139**	**142**	**141**	**0**	**0**	**141**
Total	**17627**	**1990**	**2992**	**2786**	**0**	**0**	**2786**
Allocation from ER and Tala HEP							
Farakka	1600	0	22	20	0	0	20
Kahalgaon	840	0	51	46	0	0	46
Talchar	1000	0	0	0	0	0	0
Tala HEP	1020	153	30	27	0	0	27
Kahalgaon-II	1500	0	157	142	0	0	142
Total ER	**5960**	**153**	**261**	**236**	**0**	**0**	**236**
Joint Venture							
Jhajjar TPS	1500	114	304	284	0	0	284
Ultra Mega Projects							
Sasan	3960	0	446	417	0	0	417
Grand Total	**29047**	**2257**	**4002**	**3723**	**0**	**0**	**3723**

D) Time block 00.00hrs. to 24.00hrs. @ 0% allocation from Unallocated Quota from 01.09.2015

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	756	657	0	0	657
Dadri NCTPS (Th) Stage-II	980	147	735	639	0	0	639
Unchahaar-I TPS	420	20	24	21	0	0	21
Unchahaar-II TPS	420	63	47	41	0	0	41
Unchahaar-III TPS	210	31	29	25	0	0	25
Koldam HEP	800	120	56	53	0	0	53
TOTAL	**10582**	**1422**	**2362**	**2069**	**0**	**0**	**2069**
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	**18427**	**2110**	**3228**	**2884**	**0**	**0**	**2884**
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	**29847**	**2377**	**4238**	**3757**	**0**	**0**	**3757**

E) Time block 00.00hrs. to 24.00hrs. @ 0% allocation from Unallocated Quota from 01.10.2015

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	756	657	0	0	657
Dadri NCTPS (Th) Stage-II	980	147	735	639	0	0	639
Unchahaar-I TPS	420	20	24	21	0	0	21
Unchahaar-II TPS	420	63	47	41	0	0	41
Unchahaar-III TPS	210	31	29	25	0	0	25
Koldam HEP	800	120	56	53	0	0	53
TOTAL	**10582**	**1422**	**2362**	**2069**	**0**	**0**	**2069**
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	**18427**	**2110**	**3228**	**2884**	**0**	**0**	**2884**
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	**29847**	**2377**	**3934**	**3484**	**0**	**0**	**3484**

F) Time block 00.00hrs. to 24.00hrs. @ 0% allocation from Unallocated Quota from 16.10.2015

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	756	657	0	0	657
Dadri NCTPS (Th) Stage-II	980	147	735	639	0	0	639
Unchahaar-I TPS	420	20	24	21	0	0	21
Unchahaar-II TPS	420	63	47	41	0	0	41
Unchahaar-III TPS	210	31	29	25	0	0	25
Koldam HEP	800	120	56	53	0	0	53
TOTAL	**10582**	**1422**	**2362**	**2069**	**0**	**0**	**2069**
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	63	60	0	0	60
Koteshwar HEP	400	40	39	37	0	0	37
TOTAL	**1400**	**139**	**102**	**97**	**0**	**0**	**97**
Total	**18427**	**2110**	**3188**	**2846**	**0**	**0**	**2846**
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	**29847**	**2377**	**3894**	**3446**	**0**	**0**	**3446**

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 NOEMBER 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	18.17.57	0	36	150	0	250	15	159	610	2537	2492	45	3147	3	3150
2	18.03.00	0	36	149	0	254	16	163	618	2818	2669	149	3436	0	3436
3	18.33.33	0	38	150	0	251	14	165	618	2894	2804	90	3512	0	3512
4	17.54.25	0	36	150	0	252	16	167	621	2872	2647	225	3493	0	3493
5	18.13.49	0	36	152	0	252	16	165	621	2873	2763	110	3494	0	3494
6	18.20.00	0	36	150	0	253	12	165	616	2883	2903	-20	3499	0	3499
7	18.30.46	0	37	153	0	-7	15	165	363	2925	2904	21	3288	0	3288
8	18.17.17	0	38	156	0	-7	14	165	366	2765	2700	65	3131	0	3131
9	18.33.29	0	76	154	0	257	14	0	501	2932	2707	225	3433	0	3433
10	18.15.42	0	77	154	0	254	13	165	663	2607	2554	53	3270	0	3270
11	18.34.10	0	36	156	0	252	15	165	624	2288	2303	-15	2912	0	2912
12	19.05.48	0	39	156	0	252	14	165	626	2116	1941	175	2742	93	2835
13	18.26.40	0	40	155	0	250	14	165	624	2366	2306	60	2990	0	2990
14	18.31.51	0	40	155	0	255	15	165	630	2489	2410	79	3119	0	3119
15	18.24.19	0	40	155	0	252	16	165	628	2334	2456	-122	2962	0	2962
16	18.16.40	0	38	155	0	281	13	165	652	2556	2585	-29	3208	0	3208
17	10.46.30	0	38	157	0	252	16	165	628	2509	2337	172	3137	8	3145
18	18.01.26	0	38	157	0	252	13	165	625	2573	2473	100	3198	0	3198
19	17.49.03	0	38	157	0	254	15	165	629	2469	2405	64	3098	0	3098
20	18.00.39	0	80	157	0	251	14	165	667	2674	2466	208	3341	46	3387
21	10.22.14	0	40	160	0	257	12	165	634	2419	2277	142	3053	34	3087
22	10.59.21	0	41	156	0	255	14	165	631	2425	2253	172	3056	0	3056
23	18.24.24	0	41	157	0	256	14	165	633	2552	2542	10	3185	0	3185
24	18.15.41	0	41	157	0	252	13	165	628	2558	2507	51	3186	0	3186
25	10.10.08	0	41	159	0	252	16	165	633	2483	2323	160	3116	99	3215
26	18.19.20	0	40	154	0	250	16	165	625	2626	2602	24	3251	0	3251
27	10.32.50	0	40	160	0	263	16	165	644	2578	2550	28	3222	0	3222
28	10.19.06	0	38	157	0	205	16	165	581	2506	2464	42	3087	0	3087
29	10.52.27	0	39	156	0	253	14	165	627	2447	2384	63	3074	0	3074
30	11.01.32	0	38	156	0	269	16	165	644	2546	2596	-50	3190	0	3190

7 POWER AVAILABILITY- DEMAND POSITION AT THE TIME OF MAXIMUM UNRESTRICTED DEMAND DURING NOVEMBER 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	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	18.17.57	0	36	150	0	250	15	159	610	2537	2492	45	3147	3	3150
2	18.03.00	0	36	149	0	254	16	163	618	2818	2669	149	3436	0	3436
3	18.33.33	0	38	150	0	251	14	165	618	2894	2804	90	3512	0	3512
4	17.54.25	0	36	150	0	252	16	167	621	2872	2647	225	3493	0	3493
5	18.13.49	0	36	152	0	252	16	165	621	2873	2763	110	3494	0	3494
6	18.20.00	0	36	150	0	253	12	165	616	2883	2903	-20	3499	0	3499
7	18.30.46	0	37	153	0	-7	15	165	363	2925	2904	21	3288	0	3288
8	18.17.17	0	38	156	0	-7	14	165	366	2765	2700	65	3131	0	3131
9	18.33.29	0	76	154	0	257	14	0	501	2932	2707	225	3433	0	3433
10	18.15.42	0	77	154	0	254	13	165	663	2607	2554	53	3270	0	3270
11	18.34.10	0	36	156	0	252	15	165	624	2288	2303	-15	2912	0	2912
12	19.05.48	0	39	156	0	252	14	165	626	2116	1941	175	2742	93	2835
13	18.26.40	0	40	155	0	250	14	165	624	2366	2306	60	2990	0	2990
14	18.31.51	0	40	155	0	255	15	165	630	2489	2410	79	3119	0	3119
15	18.24.19	0	40	155	0	252	16	165	628	2334	2456	-122	2962	0	2962
16	18.16.40	0	38	155	0	281	13	165	652	2556	2585	-29	3208	0	3208
17	10.46.30	0	38	157	0	252	16	165	628	2509	2337	172	3137	8	3145
18	18.01.26	0	38	157	0	252	13	165	625	2573	2473	100	3198	0	3198
19	17.49.03	0	38	157	0	254	15	165	629	2469	2405	64	3098	0	3098
20	18.00.39	0	80	157	0	251	14	165	667	2674	2466	208	3341	46	3387
21	10.22.14	0	40	160	0	257	12	165	634	2419	2277	142	3053	34	3087
22	10.59.21	0	41	156	0	255	14	165	631	2425	2253	172	3056	0	3056
23	18.24.24	0	41	157	0	256	14	165	633	2552	2542	10	3185	0	3185
24	18.15.41	0	41	157	0	252	13	165	628	2558	2507	51	3186	0	3186
25	10.10.08	0	41	159	0	252	16	165	633	2483	2323	160	3116	99	3215
26	18.19.20	0	40	154	0	250	16	165	625	2626	2602	24	3251	0	3251
27	10.32.50	0	40	160	0	263	16	165	644	2578	2550	28	3222	0	3222
28	10.19.06	0	38	157	0	205	16	165	581	2506	2464	42	3087	0	3087
29	10.52.27	0	39	156	0	253	14	165	627	2447	2384	63	3074	0	3074
30	11.01.32	0	38	156	0	269	16	165	644	2546	2596	-50	3190	0	3190

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

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

A (i) RPH	0.000
(ii) GT+STG	30.452
(iii) PRAGATI	113.531
(iv) RITHALA	0.000
(v) BAWANA CCGT	172.851
(vi) Timarpur ï Okhla	12.886
TOTAL	329.720
B) AVAILABILITY FROM BTPS	113.497
C) AUXILIARY CONSUMPTION OF GENERATING STNs. EXCLUDING BTPS	13.385
D) NET GENERATION AVAILABLE WITHIN DELHI(A+B-C)	**429.832**

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	2.264	2.206	1.689	1.645
SALAL	16.237	15.817	12.113	11.800
SASAN	284.883	277.478	285.682	278.255
TANKAPUR	2.363	2.302	1.762	1.717
CHAMERA	5.047	4.916	3.765	3.667
CHAMERA -II	6.776	6.600	5.055	4.924
CHAMERA -III	3.687	3.591	2.750	2.679
DHAULIGANGA	4.600	4.481	3.431	3.342
SEWA -2	2.643	2.575	1.971	1.921
URI	31.098	30.293	23.199	22.598
URI-II	20.839	20.298	20.839	20.298
KOLDAM	7.227	7.039	7.227	7.039
KOTESHWAR	6.493	6.324	6.493	6.324
PARBATI3	1.855	1.806	1.765	1.719
RAMPUR	0.000	0.000	0.000	0.000
MUNDRA_UMPP	0.000	0.000	0.000	0.000
ANTA (GAS)	25.132	24.479	11.956	11.647
ANTA (RLNG)	4.780	4.653	0.016	0.015
ANTA (LIQUID)	0.000	0.000	0.000	0.000
DADRI (GAS)	37.315	36.338	15.966	15.551
DADRI (RLNG)	14.172	13.809	0.000	0.000
DADRI (LIQUID)	0.000	0.000	0.000	0.000
AURAIYA (GAS)	30.774	29.971	12.936	12.600
AURAIYA (RLNG)	20.294	19.768	0.000	0.000
AURAIYA (LIQUID)	0.000	0.000	0.000	0.000
SINGRAULI	100.505	97.890	98.704	96.134
RIHAND -I	61.601	59.998	60.085	58.520
RIHAND -II	86.574	84.319	72.647	70.753
RIHAND -III	87.099	84.835	79.293	77.229
UNCHAHAR-I	16.244	15.821	9.585	9.337
UNCHAHAR-II	32.486	31.641	22.342	21.760
UNCHAHAR-III	20.042	19.520	13.564	13.211
DADRI (TH)	477.360	464.983	85.805	83.571
DADRI (TH) STAGE-II	515.567	502.162	191.172	186.199
NAPP	22.478	21.902	22.478	21.902
RAPP 'B'	0.000	0.000	0.000	0.000
RAPP 'C'	37.523	36.546	37.523	36.546
NATHPA JHAKRI	28.955	28.203	21.601	21.040
DULASTI	16.228	15.807	16.228	15.807
TEHRI	11.719	11.414	11.719	11.414

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
JHAJJAR	0.000	0.000	0.000	0.000
KHELGAON	33.518	32.645	17.082	16.638
KHELGAON-II	106.798	104.017	72.433	70.545
FARAKA	13.852	13.492	6.020	5.863
TALA	5.758	5.609	5.758	5.609
TALCHER	0.000	0.000	0.000	0.000
DVC	144.470	142.897	142.897	139.179
UTTAR PRADESH	0.000	0.000	0.000	0.000
TRIPUA	0.000	0.000	0.000	0.000
MEGHALAYA	0.092	0.092	0.092	0.089
ASSAM	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	202.448	200.237	200.237	195.020
DVC MEJIA (LT-08)(BYPL)	0.000	0.000	0.000	0.000
URS	0.000	0.000	0.000	0.000
JAMMU & KASHMIR	1.834	1.820	1.820	1.772
HIMACHAL PRADESH	0.516	0.509	0.509	0.495
PUNJAB	0.000	0.000	0.000	0.000
MADHYA PRADESH	0.000	0.000	0.000	0.000
CHATTISHGARH	0.000	0.000	0.000	0.000
DVC LT-9	0.000	0.000	0.000	0.000
HARYANA (LT-05)	27.598	27.391	27.391	26.680
MAHARASHTRA	0.135	0.132	0.132	0.129
ORISSA	0.000	0.000	0.000	0.000
RAJASTHAN(SOLAR) BRPL-LT36	2.819	2.740	2.740	2.669
RAJASTHAN(SOLAR) BYPL - LT-35	2.973	2.890	2.890	2.814
RAJASTHAN(SOLAR) TPDDL LT-31	2.832	2.753	2.753	2.681
TO JAMMU & KASHMIR	-263.884	-266.478	-266.478	-273.625
TO KARNATAKA	-0.644	-0.663	-0.663	-0.681
TO UTTAR PRADESH	0.000	0.000	0.000	0.000
TO TRIPURA	0.000	0.000	0.000	0.000
TO PUNJAB	0.000	0.000	0.000	0.000
TO CHATTISHGARH	-34.627	-35.336	-35.336	-36.281
TO MADHYA PRADESH	0.000	0.000	0.000	0.000
TO KERALA	-5.140	-5.264	-5.264	-5.409
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	-43.944	-44.760	-44.760	-45.966
TO ORISSA	-61.724	-62.435	-62.435	-64.108
POWER EXCHANGE(IEX)	214.772	209.153	214.772	209.153
TO POWER EXCHANGE (IEX)	-15.020	-15.426	-15.020	-15.426
POWER EXCHANGE(PX)	0.000	0.000	0.000	0.000
TO POWER EXCHANGE (PX)	-0.078	-0.080	-0.078	-0.080
TO SHARE PROJECT (HARYANA)	-14.359	-14.744	-14.359	-14.744
TO SHARE PROJECT (PUNJAB)	-12.086	-12.410	-12.086	-12.410
Total	**2351.768**	**2278.564**	**1402.408**	**1341.770**

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	1537.171	1497.226	681.297	663.567
NTPC - ER	154.168	150.154	95.535	93.046
NHPC	113.637	110.690	94.568	92.116
NPC	60.001	58.448	60.001	58.448
SASAN	284.883	277.478	285.682	278.255
KOTESHWAR	6.493	6.324	6.493	6.324
MUNDRA_UMPP	0.000	0.000	0.000	0.000
NATHPA JHAKRI	28.955	28.203	21.601	21.040
TEHRI	11.719	11.414	11.719	11.414
TALA	5.758	5.609	5.758	5.609
JHAJJAR	0.000	0.000	0.000	0.000
TALCHER	0.000	0.000	0.000	0.000
RAJASTHAN SOLAR(BRPL)T-36	2.819	2.740	2.740	2.669
RAJASTHAN SOLAR(BYPL)T-35	2.973	2.890	2.890	2.814
RAJASTHAN SOLAR(TPDDL)T-31	2.832	2.753	2.753	2.681
DVC	144.470	142.897	142.897	139.179
MEGHALAYA	0.092	0.092	0.092	0.089
METHON POWER (NDPL)-LT-06	202.448	200.237	200.237	195.020
DVC MEJIA (LT-08)(BYPL)	0.000	0.000	0.000	0.000
URS	0.000	0.000	0.000	0.000
JAMMU & KASHMIR	1.834	1.820	1.820	1.772
HIMACHAL PRADESH	0.516	0.509	0.509	0.495
PUNJAB	0.000	0.000	0.000	0.000
MADHYA PRADESH	0.000	0.000	0.000	0.000
CHATTISHGARH	0.000	0.000	0.000	0.000
DVC (FOR NDPL) LT-09	0.000	0.000	0.000	0.000
HARYANA (LT -05)	27.598	27.391	27.391	26.680
MAHARASHTRA	0.135	0.132	0.132	0.129
ORISSA	0.000	0.000	0.000	0.000
POWER EXCHANGE(IEX)	214.772	209.153	214.772	209.153
POWER EXCHANGE(PX)	0.000	0.000	0.000	0.000
TOTAL	**2803.275**	**2736.161**	**1858.887**	**1810.502**

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 JAMMU & KASHMIR	-263.884	-266.478	-266.478	-273.625
TO KARNATAKA	-0.644	-0.663	-0.663	-0.681
TO UTTAR PRADESH	0.000	0.000	0.000	0.000
TO TRIPURA	0.000	0.000	0.000	0.000
TO CHATTISHGARH	-34.627	-35.336	-35.336	-36.281
TO PUNJAB	0.000	0.000	0.000	0.000
TO MADHYA PRADESH	0.000	0.000	0.000	0.000
TO KERALA	-5.140	-5.264	-5.264	-5.409
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	-43.944	-44.760	-44.760	-45.966
TO ORISSA	-61.724	-62.435	-62.435	-64.108
TO POWER EXCHANGE (IEX)	-15.020	-15.426	-15.020	-15.426
TO POWER EXCHANGE (PX)	-0.078	-0.080	-0.078	-0.080
TO SHARE PROJECT (HARYANA)	-14.359	-14.744	-14.359	-14.744
TO SHARE PROJECT (PUNJAB)	-12.086	-12.410	-12.086	-12.410
TOTAL	**-451.507**	**-457.597**	**-456.479**	**-468.732**
TOTAL SCHEDULED DRAWAL FROM THE GRID	**2351.768**	**2278.564**	**1402.408**	**1341.770**

TOTAL CONSUMPTION INCLUDING AUX. OF GENERATING STNs. EXCLUDING BTPS		1813.527
NET CONSUMPTION		**1800.142**
AVAILABILITY WITHIN DELHI		429.832
ACTUAL DRAWAL FROM THE GRID		1370.310
OVER DRAWAL(+)/UNDER DRAWAL(-) FROM THE GRID ON THE BASIS OF SCHEDULED ALLOCATION MADE BY NRLDC TO DELHI AT PERIPHERY		28.540
LOAD SHEDDING		3.708
UNRESTRICTED DEMAND (GROSS)		1817.235
UNRESTRICTED DEMAND (NET)		1803.850
MAX. NET CONSUMPTION		66.805 ON 04.11.2015
MAX. LOAD SHEDDING		294MW ON 02.11.2015 AT 20.40HRS.
PEAK LOAD	Peak Demand during the month	SHEDDING AT PEAK TIME
DAY PEAK	3318MW AT 11.00HRS ON 06.11.2015	0 MW
EVENING PEAK	3512MW AT 18.33.33HRS ON 03.11.2015	0 MW
P.L.F. OF GENCO AND PRAGATI STNs.	RPH	00.00%
	GT	15.66%
	PRAGATI	47.78%
	RITHALA	0.00%
	BAWANA	17.51%
	Timarpur Okhla	111.86%

9 SHEDDING DETAILS DURING THE MONTH OF NOVEMBER 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.Nov.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.112	0.000	0.000	0.000
02.Nov.15	0	0.000	0.000	0.000	0.000	**0.000**	0.012	0.158	0.051	0.000	0.000
03.Nov.15	1	0.000	0.000	0.003	0.000	**0.003**	0.000	0.024	0.004	0.000	0.000
04.Nov.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.060	0.000	0.000	0.000
05.Nov.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.020	0.000	0.000	0.000
06.Nov.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
07.Nov.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.060	0.005	0.000	0.000
08.Nov.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
09.Nov.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.238	0.007	0.000	0.000
10.Nov.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.122	0.000	0.000	0.000
11.Nov.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
12.Nov.15	0	0.000	0.000	0.000	0.000	**0.000**	0.015	0.459	0.000	0.000	0.000
13.Nov.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.038	0.000	0.000	0.000
14.Nov.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
15.Nov.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.012	0.000	0.000
16.Nov.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
17.Nov.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
18.Nov.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
19.Nov.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
20.Nov.15	0	0.000	0.000	0.000	0.000	**0.000**	0.037	0.266	0.011	0.000	0.000
21.Nov.15	1	0.003	0.000	0.000	0.000	**0.003**	0.048	0.545	0.007	0.000	0.000
22.Nov.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.081	0.013	0.000	0.000
23.Nov.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
24.Nov.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.025	0.000	0.000	0.000
25.Nov.15	0	0.000	0.000	0.000	0.000	**0.000**	0.015	0.476	0.075	0.000	0.000
26.Nov.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.018	0.000	0.000	0.000
27.Nov.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
28.Nov.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.006	0.000	0.000
29.Nov.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.043	0.000	0.000	0.000
30.Nov.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
TOTAL	**2**	**0.003**	**0.000**	**0.003**	**0.000**	**0.006**	**0.127**	**2.745**	**0.191**	**0.000**	**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.Nov.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.112**	**0.112**
02.Nov.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.221**	**0.221**
03.Nov.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**	**0.031**
04.Nov.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.060**	**0.060**
05.Nov.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.020**	**0.020**
06.Nov.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.Nov.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.065**	**0.065**
08.Nov.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**
09.Nov.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.245**	**0.245**
10.Nov.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.122**	**0.122**
11.Nov.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**
12.Nov.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.474**	**0.474**
13.Nov.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.038**	**0.038**
14.Nov.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**
15.Nov.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**
16.Nov.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.Nov.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**
18.Nov.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.Nov.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.Nov.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.314**	**0.314**
21.Nov.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.600**	**0.603**
22.Nov.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.094**	**0.094**
23.Nov.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**
24.Nov.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.025**	**0.025**
25.Nov.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.566**	**0.566**
26.Nov.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.018**	**0.018**
27.Nov.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.Nov.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.006**	**0.006**
29.Nov.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.043**	**0.043**
30.Nov.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**	**3.063**	**3.069**

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.Nov.15	0.000	0.000	0.000	0.000	0.000	0.000	0.008	0.001	0.000
02.Nov.15	0.000	0.000	0.000	0.000	0.000	0.003	0.000	0.000	0.000
03.Nov.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
04.Nov.15	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000
05.Nov.15	0.000	0.005	0.001	0.000	0.000	0.000	0.000	0.002	0.000
06.Nov.15	0.000	0.000	0.000	0.000	0.000	0.014	0.000	0.004	0.000
07.Nov.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
08.Nov.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
09.Nov.15	0.000	0.000	0.000	0.000	0.000	0.000	0.011	0.005	0.000
10.Nov.15	0.000	0.000	0.000	0.000	0.000	0.002	0.033	0.000	0.000
11.Nov.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0001	0.000
12.Nov.15	0.000	0.000	0.001	0.000	0.000	0.000	0.057	0.000	0.000
13.Nov.15	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.000	0.000
14.Nov.15	0.000	0.000	0.000	0.000	0.000	0.004	0.000	0.001	0.000
15.Nov.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.000
16.Nov.15	0.000	0.000	0.004	0.000	0.000	0.000	0.064	0.000	0.000
17.Nov.15	0.000	0.000	0.000	0.000	0.000	0.012	0.050	0.000	0.000
18.Nov.15	0.000	0.000	0.036	0.000	0.000	0.000	0.004	0.000	0.000
19.Nov.15	0.000	0.000	0.000	0.000	0.000	0.016	0.003	0.001	0.000
20.Nov.15	0.000	0.000	0.000	0.000	0.000	0.004	0.005	0.000	0.000
21.Nov.15	0.008	0.000	0.001	0.001	0.000	0.002	0.018	0.000	0.000
22.Nov.15	0.000	0.000	0.004	0.000	0.000	0.000	0.009	0.0000	0.000
23.Nov.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
24.Nov.15	0.000	0.000	0.004	0.000	0.000	0.000	0.000	0.000	0.000
25.Nov.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
26.Nov.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27.Nov.15	0.000	0.000	0.000	0.000	0.000	0.000	0.024	0.001	0.000
28.Nov.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
29.Nov.15	0.000	0.000	0.001	0.000	0.000	0.000	0.018	0.002	0.000
30.Nov.15	0.000	0.025	0.000	0.000	0.000	0.000	0.019	0.000	0.000
TOTAL	**0.008**	**0.040**	**0.052**	**0.001**	**0.000**	**0.057**	**0.325**	**0.019**	**0.000**

ALL FIGURES IN MUs

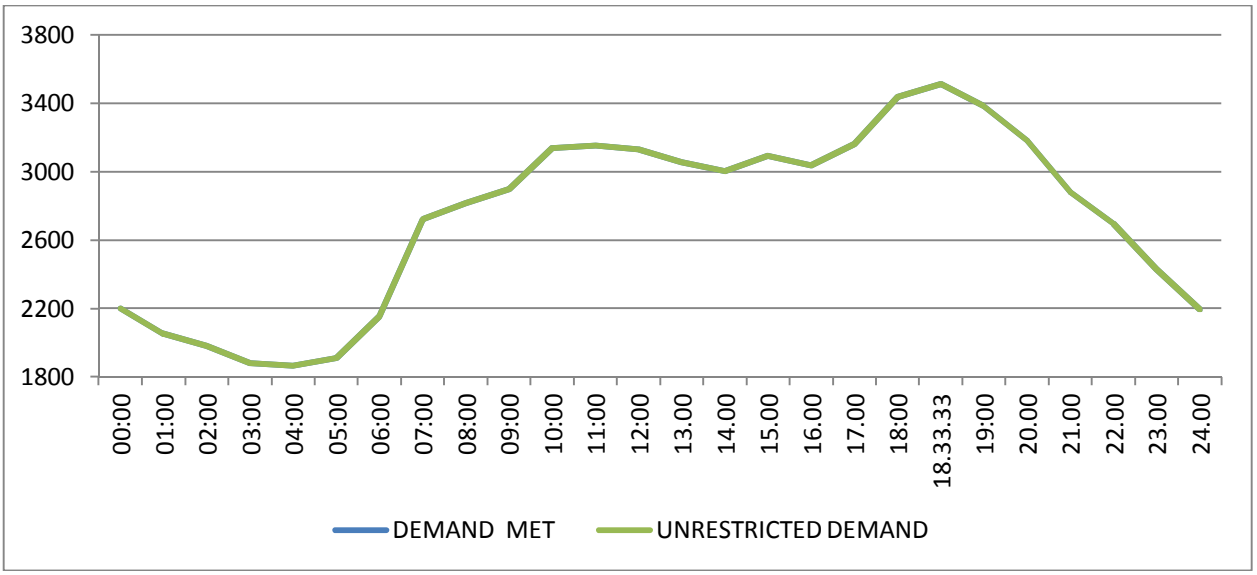
DATE	OTHER AGENCIES LIKE GENCO, BBMB, BTPS ETC.				THEFT PRONE SHEDDING			TOTAL SHEDDING DUE TO T&D CONSTS. & THEFT PRONE	GRAND TOTAL
	BSES		NDPL	NDMC	BSES		NDPL		
	BYPL	BRPL			BYPL	BRPL			
1	35	36	37	38	39	40	41	42= 26 to 41	43 = 25 + 42
01.Nov.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.009**	**0.121**
02.Nov.15	0.000	0.000	0.000	0.000	0.000	0.000	0.010	**0.013**	**0.234**
03.Nov.15	0.000	0.000	0.000	0.000	0.000	0.000	0.009	**0.009**	**0.040**
04.Nov.15	0.000	0.000	0.000	0.000	0.000	0.000	0.009	**0.019**	**0.079**
05.Nov.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.008**	**0.028**
06.Nov.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.018**	**0.018**
07.Nov.15	0.000	0.000	0.000	0.000	0.000	0.000	0.029	**0.029**	**0.094**
08.Nov.15	0.000	0.000	0.0000	0.000	0.000	0.000	0.001	**0.001**	**0.001**
09.Nov.15	0.000	0.000	0.000	0.000	0.000	0.000	0.003	**0.019**	**0.264**
10.Nov.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.035**	**0.157**
11.Nov.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**	**0.000**
12.Nov.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.058**	**0.532**
13.Nov.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.002**	**0.040**
14.Nov.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.005**	**0.005**
15.Nov.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.002**	**0.014**
16.Nov.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.068**	**0.068**
17.Nov.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.062**	**0.062**
18.Nov.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.040**	**0.040**
19.Nov.15	0.000	0.000	0.000	0.000	0.000	0.000	0.008	**0.028**	**0.028**
20.Nov.15	0.000	0.000	0.000	0.000	0.000	0.000	0.010	**0.019**	**0.333**
21.Nov.15	0.000	0.000	0.000	0.000	0.000	0.000	0.012	**0.042**	**0.645**
22.Nov.15	0.000	0.000	0.000	0.000	0.000	0.000	0.014	**0.027**	**0.121**
23.Nov.15	0.000	0.000	0.000	0.000	0.000	0.000	0.001	**0.001**	**0.001**
24.Nov.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.004**	**0.029**
25.Nov.15	0.000	0.005	0.000	0.000	0.000	0.000	0.014	**0.019**	**0.585**
26.Nov.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**	**0.018**
27.Nov.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.025**	**0.025**
28.Nov.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**	**0.006**
29.Nov.15	0.000	0.000	0.001	0.000	0.000	0.000	0.005	**0.027**	**0.070**
30.Nov.15	0.000	0.000	0.000	0.000	0.000	0.000	0.006	**0.050**	**0.050**
TOTAL	**0.000**	**0.005**	**0.001**	**0.000**	**0.000**	**0.000**	**0.131**	**0.639**	**3.708**

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.Nov.15	**60.118**	**3147**	18:17:57	3	**3150**	**3150**	18:17:57	**3147**	3
02.Nov.15	**63.941**	**3436**	18:03	0	**3436**	**3436**	18:03	**3436**	0
03.Nov.15	**66.653**	**3512**	18:33:33	0	**3512**	**3512**	18:33:33	**3512**	0
04.Nov.15	**66.805**	**3493**	17:54:25	0	**3493**	**3493**	17:54:25	**3493**	0
05.Nov.15	**65.768**	**3494**	18:13:49	0	**3494**	**3494**	18:13:49	**3494**	0
06.Nov.15	**65.262**	**3499**	18:20	0	**3499**	**3499**	18:20	**3499**	0
07.Nov.15	**62.554**	**3288**	18:30:46	0	**3288**	**3288**	18:30:46	**3288**	0
08.Nov.15	**59.814**	**3131**	18:17:17	0	**3131**	**3131**	18:17:17	**3131**	0
09.Nov.15	**64.087**	**3433**	18:33:29	0	**3433**	**3433**	18:33:29	**3433**	0
10.Nov.15	**63.574**	**3270**	18:15:42	0	**3270**	**3270**	18:15:42	**3270**	0
11.Nov.15	**55.427**	**2912**	18:34:10	0	**2912**	**2912**	18:34:10	**2912**	0
12.Nov.15	**54.212**	**2742**	19:05:48	93	**2835**	**2835**	19:05:48	**2742**	93
13.Nov.15	**56.386**	**2990**	18:26:40	0	**2990**	**2990**	18:26:40	**2990**	0
14.Nov.15	**57.155**	**3119**	18:31:51	0	**3119**	**3119**	18:31:51	**3119**	0
15.Nov.15	**57.188**	**2962**	18:24:19	0	**2962**	**2962**	18:24:19	**2962**	0
16.Nov.15	**61.278**	**3208**	18:16:40	11	**3219**	**3219**	18:16:40	**3208**	11
17.Nov.15	**58.640**	**3137**	10:46:30	8	**3145**	**3145**	10:46:30	**3137**	8
18.Nov.15	**59.705**	**3198**	18:01:26	0	**3198**	**3198**	18:01:26	**3198**	0
19.Nov.15	**60.298**	**3278**	17:49:03	0	**3278**	**3278**	17:49:03	**3278**	0
20.Nov.15	**59.797**	**3341**	18:00:39	46	**3387**	**3387**	18:00:39	**3341**	46
21.Nov.15	**58.466**	**3053**	10:22:14	34	**3087**	**3087**	10:22:14	**3053**	34
22.Nov.15	**55.034**	**3056**	10:59:21	0	**3056**	**3056**	10:59:21	**3056**	0
23.Nov.15	**59.024**	**3185**	18:24:24	0	**3185**	**3185**	18:24:24	**3185**	0
24.Nov.15	**61.923**	**3186**	18:15:41	0	**3186**	**3186**	18:15:41	**3186**	0
25.Nov.15	**57.063**	**3116**	10:10:08	99	**3215**	**3215**	10:10:08	**3116**	99
26.Nov.15	**59.059**	**3251**	18:19:20	0	**3251**	**3251**	18:19:20	**3251**	0
27.Nov.15	**60.138**	**3222**	10:32:50	0	**3222**	**3222**	10:32:50	**3222**	0
28.Nov.15	**57.310**	**3087**	10:19:06	0	**3087**	**3087**	10:19:06	**3087**	0
29.Nov.15	**54.274**	**3074**	10:52:27	0	**3074**	**3074**	10:52:27	**3074**	0
30.Nov.15	**59.189**	**3190**	11:01:32	0	**3190**	**3190**	11:01:32	**3190**	0
TOTAL	**1800.142**	**3512** 03.11.15	18:33:33	0	**3512** 03.11.15	**3512**	18:33:33	**3512**	0

10 LOAD PATTERN OF DELHI ON THE DAY OF PEAK DEMAND MET DURING NOVEMBER 2015 ON 03.11.2015- 3512MW AT 18.33.33HRS.

All figures in MW

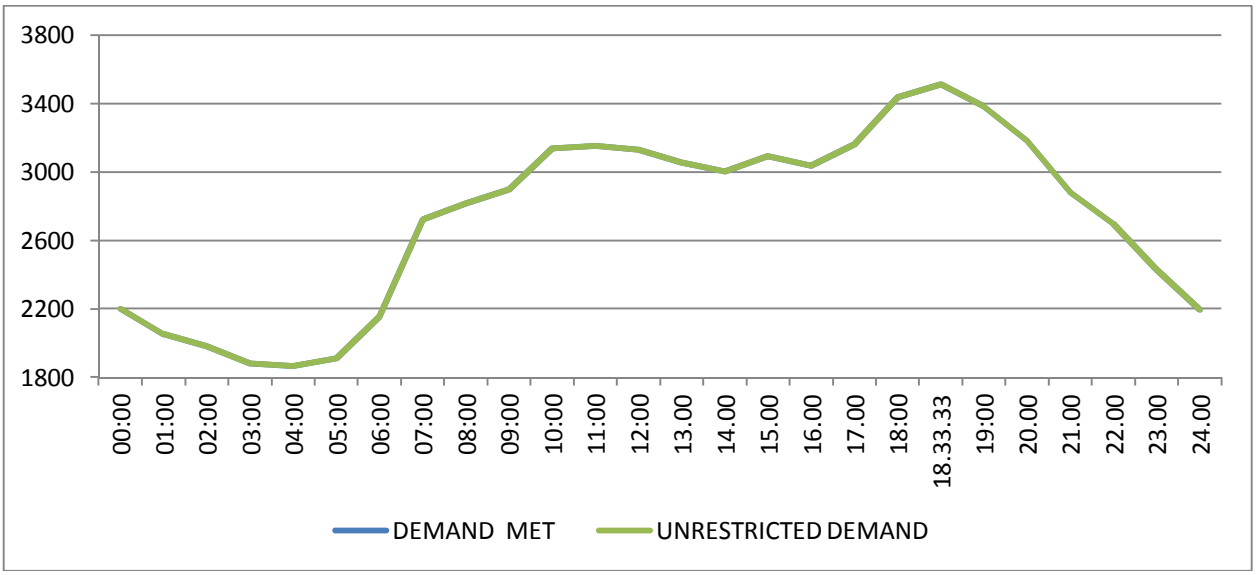
Hrs.	Demand	Load Shedding	Un-Restricted Demand
00:00	**2201**	0	2201
01:00	**2052**	0	2052
02:00	**1981**	0	1981
03:00	**1882**	0	1882
04:00	**1868**	0	1868
05:00	**1912**	0	1912
06:00	**2155**	0	2155
07:00	**2724**	0	2724
08:00	**2815**	0	2815
09:00	**2897**	0	2897
10:00	**3137**	0	3137
11:00	**3153**	0	3153
12:00	**3129**	0	3129
13.00	**3056**	0	3056
14.00	**3004**	0	3004
15.00	**3092**	0	3092
16.00	**3037**	0	3037
17.00	**3159**	0	3159
18:00	**3437**	0	3437
18.33.33	**3512**	**0**	3512
19:00	**3381**	0	3381
20.00	**3184**	0	3184
21.00	**2878**	0	2878
22.00	**2696**	0	2696
23.00	**2432**	0	2432
24.00	**2196**	0	2196
Total (IN MUS)	**66.653**	**0.040**	**66.693**



11 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UN-RESTRICTED DEMAND DURING NOVEMBER 2015 ON 19.06.2015- 5846MW AT 15.39.51HRS.

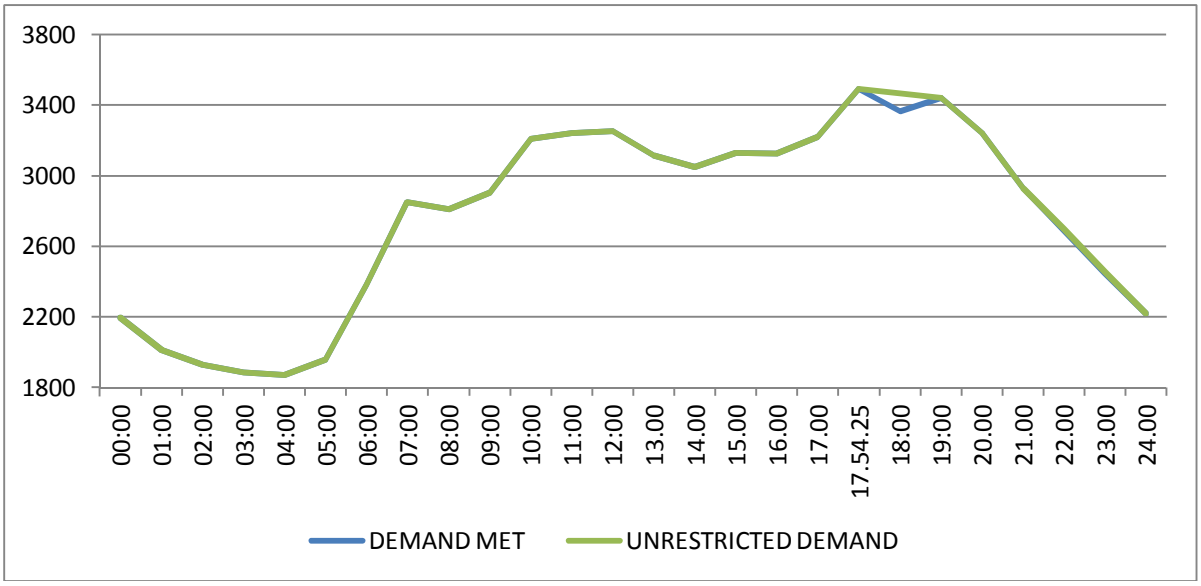
All figures in MW

Hrs.	Demand	Load Shedding	Un-Restricted Demand
00:00	**2201**	0	2201
01:00	**2052**	0	2052
02:00	**1981**	0	1981
03:00	**1882**	0	1882
04:00	**1868**	0	1868
05:00	**1912**	0	1912
06:00	**2155**	0	2155
07:00	**2724**	0	2724
08:00	**2815**	0	2815
09:00	**2897**	0	2897
10:00	**3137**	0	3137
11:00	**3153**	0	3153
12:00	**3129**	0	3129
13.00	**3056**	0	3056
14.00	**3004**	0	3004
15.00	**3092**	0	3092
16.00	**3037**	0	3037
17.00	**3159**	0	3159
18:00	**3437**	0	3437
18.33.33	**3512**	**0**	3512
19:00	**3381**	0	3381
20.00	**3184**	0	3184
21.00	**2878**	0	2878
22.00	**2696**	0	2696
23.00	**2432**	0	2432
24.00	**2196**	0	2196
Total (IN MUS)	**66.653**	**0.040**	**66.693**



12 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM ENERGY CONSUMED DURING NOVEMBER 2015 – 04.11.2015 – 66.805Mus All figures in MW

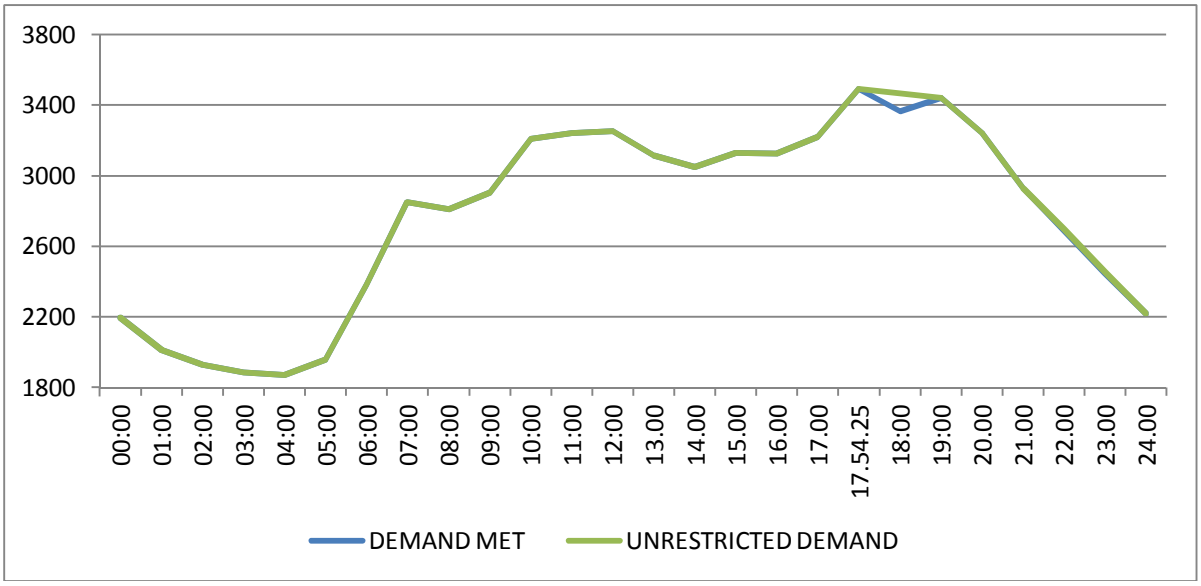
Hrs.	Demand	Load Shedding	Un-Restricted Demand
00:00	**2196**	0	2196
01:00	**2015**	0	2015
02:00	**1931**	0	1931
03:00	**1886**	0	1886
04:00	**1874**	0	1874
05:00	**1958**	0	1958
06:00	**2381**	0	2381
07:00	**2851**	0	2851
08:00	**2811**	0	2811
09:00	**2906**	0	2906
10:00	**3210**	0	3210
11:00	**3241**	0	3241
12:00	**3252**	0	3252
13.00	**3116**	0	3116
14.00	**3049**	0	3049
15.00	**3130**	0	3130
16.00	**3127**	0	3127
17.00	**3219**	0	3219
17.54.25	**3493**	0	3493
18:00	**3365**	101	3466
19:00	**3440**	0	3440
20.00	**3242**	0	3242
21.00	**2930**	0	2930
22.00	**2692**	5	2697
23.00	**2449**	5	2454
24.00	**2218**	0	2218
Total (IN MUS)	**66.805**	**0.079**	**66.884**



13 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UNRESTRICTED ENERGY DEMAND DURING NOVEMBER 2015 – 04.11.2015 – 66.884 Mus

All figures in MW

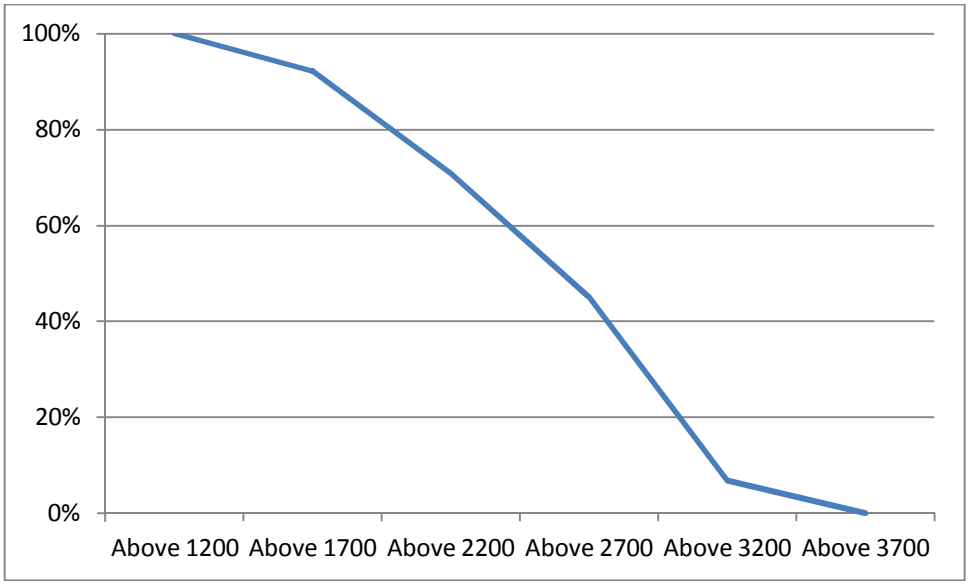
Hrs.	Demand	Load Shedding	Un-Restricted Demand
00:00	**2196**	0	2196
01:00	**2015**	0	2015
02:00	**1931**	0	1931
03:00	**1886**	0	1886
04:00	**1874**	0	1874
05:00	**1958**	0	1958
06:00	**2381**	0	2381
07:00	**2851**	0	2851
08:00	**2811**	0	2811
09:00	**2906**	0	2906
10:00	**3210**	0	3210
11:00	**3241**	0	3241
12:00	**3252**	0	3252
13.00	**3116**	0	3116
14.00	**3049**	0	3049
15.00	**3130**	0	3130
16.00	**3127**	0	3127
17.00	**3219**	0	3219
17.54.25	**3493**	0	3493
18:00	**3365**	101	3466
19:00	**3440**	0	3440
20.00	**3242**	0	3242
21.00	**2930**	0	2930
22.00	**2692**	5	2697
23.00	**2449**	5	2454
24.00	**2218**	0	2218
Total (IN MUS)	**66.805**	**0.079**	**66.884**



14 LOAD DURATION CURVE FOR NOVEMBER 2015

Load in MW	Percentage of Time
1700	92.18
2200	70.86
2700	4508
3200	6.77
3700	0.00

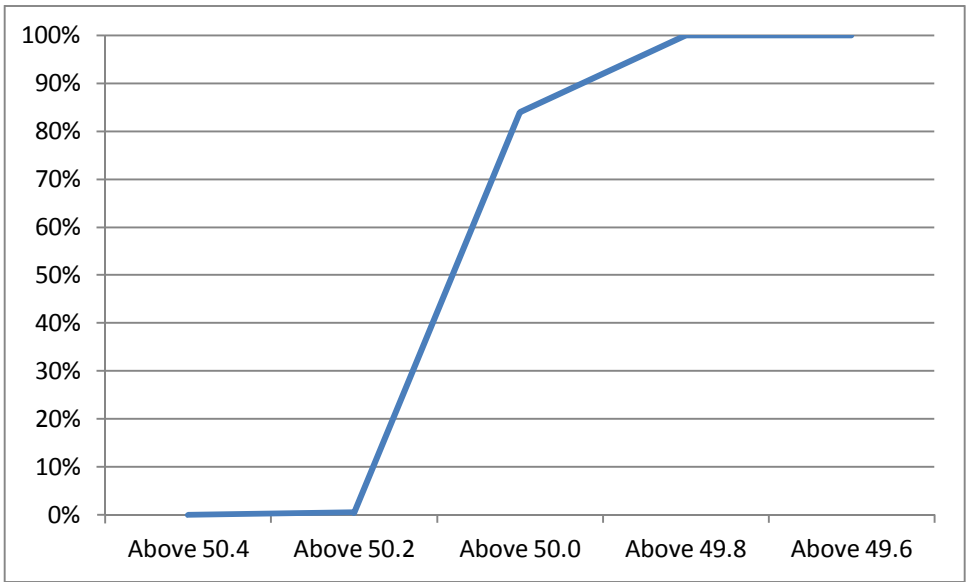
LOAD DURATION CURVE



15 FREQUENCY ANALYSIS FOR THE MONTH OF NOVEMBER 2015

Frequency Range in Hz.	Percentage of time
50.4	0.00
50.2	0.42
50.0	83.89
49.8	99.93
49.6	100.00

FREQUENCY RESPONSE CURVE



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

All figures in kV

Date	NARELA		GAZIPUR	
	Max	Min	Max	Min
01.Nov.15	231.88	228.27	217.18	193.71
02.Nov.15	231.49	217.18	215.37	196.03
03.Nov.15	231.24	213.83	213.95	189.84
04.Nov.15	230.72	216.02	223.63	--
05.Nov.15	233.04	217.57	224.66	206.86
06.Nov.15	231.49	218.86	222.34	200.16
07.Nov.15	231.49	219.24	224.40	203.12
08.Nov.15	232.78	221.05	228.14	215.76
09.Nov.15	234.46	217.82	230.85	212.03
10.Nov.15	232.53	220.27	230.08	217.95
11.Nov.15	234.72	220.92	232.66	217.82
12.Nov.15	235.62	222.98	233.30	219.11
13.Nov.15	234.72	221.56	233.43	218.86
14.Nov.15	232.66	221.44	231.24	218.86
15.Nov.15	233.30	219.76	230.72	218.47
16.Nov.15	234.07	219.63	232.40	217.82
17.Nov.15	234.06	220.53	233.17	220.40
18.Nov.15	233.43	218.21	233.04	220.92
19.Nov.15	233.04	217.18	233.30	218.47
20.Nov.15	233.30	217.31	233.43	220.27
21.Nov.15	233.17	214.99	232.66	217.70
22.Nov.15	233.30	228.01	233.82	221.82
23.Nov.15	228.14	228.14	233.30	219.63
24.Nov.15	231.88	219.89	234.07	216.53
25.Nov.15	233.82	217.57	233.03	217.18
26.Nov.15	232.53	219.63	232.40	217.82
27.Nov.15	233.82	216.92	228.27	215.37
28.Nov.15	233.95	219.89	231.49	216.28
29.Nov.15	234.07	219.63	231.75	218.47
30.Nov.15	233.69	218.98	231.49	219.11

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

All figures in kV

Date	400kV Bamnauli Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01.Nov.15	415.12	01.59.39	400.50	18.21	413.8
02.Nov.15	424.89	01.18.12	391.59	10.59	411.88
03.Nov.15	424.19	02.59.47	393.7	18.12	409.82
04.Nov.15	421.84	02.48.06	393.7	18.12	409.11
05.Nov.15	423.72	04.02.36	396.75	18.09	411.81
06.Nov.15	421.37	21.53.32	398.63	18.07	409.46
07.Nov.15	420.67	03.00.33	398.63	06.44	409.39
08.Nov.15	422.78	21.49.49	401.91	06.55	413.23
09.Nov.15	426.77	02.59.40	398.63	18.24	411.98
10.Nov.15	424.19	01.56.53	401.68	11.21	411.69
11.Nov.15	424.89	15.08.09	401.68	18.10	416.09
12.Nov.15	426.77	03.03.12	404.25	18.08	417.88
13.Nov.15	426.30	02.00.45	403.32	18.10	414.80
14.Nov.15	422.78	02.43.48	402.14	18.11	413.13
15.Nov.15	422.01	21.48.04	400.27	11.21	413.80
16.Nov.15	424.42	03.32.35	399.8	09.35	412.02
17.Nov.15	424.42	21.47.11	401.68	11.06	413.31
18.Nov.15	422.78	02.54.12	402.61	09.46	411.90
19.Nov.15	423.95	04.01.36	399.10	11.22	411.24
20.Nov.15	425.36	03.38.59	399.80	09.20	412.39
21.Nov.15	423.25	03.58.52	393.47	09.45	410.09
22.Nov.15	424.89	03.00.46	402.14	11.20	414.43
23.Nov.15	423.95	20.46.02	396.99	09.42	411.60
24.Nov.15	425.36	04.00.33	393.70	11.20	410.99
25.Nov.15	424.19	02.46.00	395.58	11.22	411.65
26.Nov.15	421.37	04.01.00	398.16	09.21	410.78
27.Nov.15	422.55	02.46.00	395.11	11.40	409.24
28.Nov.15	422.55	02.48.00	397.22	1110	410.39
29.Nov.15	424.19	21.26.00	398.63	11.18	413.28
30.Nov.15	423.95	02.49.00	397.45	09.42	411.07

All figures in kV

Date	400kV Bawana Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01.Nov.15	430.75	01.12.05	407.30	18.20	419.43
02.Nov.15	429.18	01.17.53	407.54	18.36	417.93
03.Nov.15	427.23	01.58.12	400.27	18.10	417.62
04.Nov.15	426.53	02.47.05	380.57	12.17	415.15
05.Nov.15	428.41	04.02.55	402.85	18.20	417.19
06.Nov.15	427.23	21.53.28	406.13	18.10	415.55
07.Nov.15	425.59	02.13.03	405.19	18.25	415.85
08.Nov.15	427.47	01.21.40	408.01	06.55	418.84
09.Nov.15	430.99	02.32.31	404.25	18.23	417.39
10.Nov.15	427.47	01.56.28	408.71	11.23	419.25
11.Nov.15	429.81	15.08.07	406.13	18.25	420.84
12.Nov.15	431.92	03.02.57	409.65	18.09	423.44
13.Nov.15	430.28	01.53.05	408.94	18.37	420.23
14.Nov.15	426.77	02.45.57	408.01	18.11	418.17
15.Nov.15	425.12	02.53.24	406.37	11.21	415.35
16.Nov.15	426.30	21.15.56	409.18	14.22	414.51
17.Nov.15	430.28	21.48.06	408.48	11.05	418.80
18.Nov.15	427.47	03.37.11	410.35	09.46	417.71
19.Nov.15	427.94	04.01.20	406.37	11.22	417.02
20.Nov.15	429.81	03.39.18	406.83	11.17	417.92
21.Nov.15	428.41	03.47.27	402.14	09.44	415.82
22.Nov.15	429.58	03.05.26	408.71	11.24	420.17
23.Nov.15	428.41	20.45.39	404.49	09.41	416.67
24.Nov.15	428.88	04.00.36	401.68	11.53	416.46
25.Nov.15	428.41	05.48	402.61	11.20	417.28
26.Nov.15	427.23	20.56	404.49	09.25	416.60
27.Nov.15	427.94	04.04	402.85	11.09	416.21
28.Nov.15	428.88	02.50	404.49	11.17	417.14
29.Nov.15	429.58	21.26	405.66	11.19	418.69
30.Nov.15	427.94	02.49	403.69	09.42	416.70

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 NOVEMBER 2015

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
1	4.11.15	21:15	OKHLA 66/11kV, 20MVA Tx-II	5.11.15	02:07	TX TRIPPED ON R-PH O/C, 86. FLASH OCCURRED ON 11KV BUS-2.
2	5.11.15	03:10	220kV DIAL- MEHRAULI CKT-I	7.11.15	20:35	AT MEHRAULI CKT TRIPPED ON B-PH,D/P,Z-1,DIST-6.141KM. AT DIAL CKT TRIPPED ON D/P,Z-1.
3	5.11.15	07:47	220kV GOPALPUR-SUBZI MANDI CKT-II	5.11.15	08:40	AT GOPALPUR CKT TRIPPED ON D/P,Z-1,DIST-0.3KM. CKT DIDNOT TRIP AT SUBZIMANDI.
4	5.11.15	15:50	VASANT KUNJ 220/66kV 100MVA Tx-III	5.11.15	16:10	66KV I/C-3 TRIPPED ON O/C,Y&B-PH,86. MONKEY ELECTROCUTED IN THE YARD.
5	6.11.15	04:27	PAPPANKALAN-I 66/11kV, 20MVA Tx-I	6.11.15	09:30	TX TRIPPED ON OLTC BUCHHOLZ.
6	7.11.15	17:59	HARSH VIHAR 220/66KV 160MVA ICT-1	7.11.15	20:00	66KV I/C-1 OF TX-1 TRIPPED ON LBB PROTECTION.
7	7.11.15	17:59	HARSH VIHAR 66kV Ghonda Ckt.-1	7.11.15	22:54	CKT TRIPPED ON LBB PROTECTION.
8	7.11.15	17:59	HARSH VIHAR 220/66KV 160MVA ICT-3	7.11.15	20:00	66KV I/C-3 OF TX-3 TRIPPED ON LBB PROTECTION.
9	7.11.15	17:59	HARSH VIHAR Nand Nagari Ckt-1	7.11.15	22:54	CKT TRIPPED ON LBB PROTECTION.
10	7.11.15	17:59	HARSH VIHAR 220/66KV 160MVA ICT-2	7.11.15	20:00	66KV I/C-2 OF TX-2 TRIPPED ON LBB PROTECTION.
11	7.11.15	17:59	HARSH VIHAR Nand Nagari Ckt-2	7.11.15	22:54	CKT TRIPPED ON LBB PROTECTION.
12	9.11.15	12:40	220kV BAMNAULI - DIAL CKT-I	9.11.15	21:27	AT BAMNAULI CKT TRIPPED ON D/P,Z-1,186,AB-PH. CKT DID NOT TRIP AT DIAL.
13	9.11.15	12:40	220kV DIAL- MEHRAULI CKT-I	9.11.15	21:27	AT MEHRAULI CKT TRIPPED ON D/P,Z-1,DIST-6.353KM. CKT WAS IN OFF POSITION AT DIAL.
14	10.11.15	10:17	400kV Ballabhgarh-Bamnauli Ckt-I	28.11.15	09:51	S/D OF CKT FOR GENERAL MAINTENANCE. WHILE NORMALIZING S/D CKT TRIPPED ON D/P,Z-1,2&3,SOTF,186A&B. FIRE REPORTED ON CABLE PORTION OF CKT. CKT CHARGED ON ERS.
15	12.11.15	12:15	KANJHAWALA 66/11kV, 20MVA Tx-II	12.11.15	12:30	11KV I/C OF TX TRIPPED ON E/F.
16	13.11.15	03:00	220KV GAZIPUR - MAHARANIBAGH CKT. -II	13.11.15	05:42	AT GAZIPUR CKT TRIPPED ON D/P,Z-1. CKT DIDNOT TRIP AT MAHARANIBAGH.
17	15.11.15	14:59	220kV GAZIPUR - BTPS CKT	15.11.15	17:33	AT BTPS CKT TRIPPED ON R-PH,E/F. CKT WAS IN OFF POSITION AT GAZIPUR S/STN.
18	15.11.15	19:54	GEETA COLONY 220/33kV 100MVA Tx-I	16.11.15	11:29	33KV I/C-1 OF TX MADE OFF AS 195RYB,295RYB AND 30B RELAY APPEARED.
19	15.11.15	21:47	220kV MAHARANIBAGH-TRAUMA CENTER CKT-I	15.11.15	22:12	CKT TRIPPED ON GENERAL TRIP. CKT DID NOT TRIP AT TRAUMA CENTER.
20	15.11.15	21:48	220kV MAHARANI BAGH - ELECTRIC LANE CKT-I	15.11.15	22:12	AT MAHARANI BAGH CKT TRIPPED ON GENERAL TRIP. CKT DID NOT TRIP AT ELECTRIC LANE.
21	16.11.15	01:55	220kV MAHARANIBAGH-TRAUMA CENTER CKT-I	16.11.15	06:12	AT MAHARANI BAGH CKT. TRIPPED ON OVER VOLTAGE AT TRAUMA CENTER NO TRIPPING
22	16.11.15	20:26	220kV BAWANA - KANJHAWALA CKT	17.11.15	11:28	AT BAWANA CKT. TRIPPED ON DIST PROT, ZONE-II, DIST 6.13KM AT KHANJAWALA CKT. PUT OFF MANUALLY
23	16.11.15	20:26	220kV BAWANA - KANJHAWALA CKT-2	17.11.15	17:40	AT BAWANA CKT TRIPPED ON DIST PROT, ZONE-II, DIST 0.12IJ AT KHANJAWALA CKT TRIPPED ON MAIN DIST. OPERATE , RYB
24	16.11.15	20:26	BAWANA 400/220kV 315MVA ICT-II	17.11.15	18:38	ICT TRIPPED ON GROUP A 86A, GROUP B 86B, BUCHOLZ
25	17.11.15	06:25	LODHI RD 33/11kV, 16MVA Tx-III	17.11.15	12:50	11KV I/C-III TRIPPED ON OVER CURRENT

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
26	18.11.15	18:27	220KV SHALIMARBAGH-WAZIRPUR CKT-II	18.11.15	18:50	AT SHALIMARBAGH CKT TRIPPED ON D/P,186. CKT DIDNOT TRIP AT BAWANA.
27	18.11.15	18:27	220kV BAWANA-DSIIDC BAWANA CKT-I	19.11.15	18:13	AT DSIDC BAWANA CKT TRIPPED ON D/P,Z-2, A,B&C-PH. R-PH LA OF CKT DAMAGED.
28	18.11.15	18:27	220KV BAWANA-SHALIMARBAGH CKT-I	18.11.15	19:10	AT SHALIMARBAGH CKT TRIPPED ON D/P,186. CKT DIDNOT TRIP AT BAWANA.
29	18.11.15	18:27	BAWANA 400/220kV 315MVA ICT-V	18.11.15	19:05	220KV I/C-5 OF ICT TRIPPED ON E/F.
30	18.11.15	18:27	BAWANA 400/220kV 315MVA ICT-IV	18.11.15	19:56	ICT TRIPPED ON 186A&B. 220KV I/C-4 TRIPPED ON INTER TRIP.
31	18.11.15	18:27	BAWANA 400/220kV 315MVA ICT-II	20.11.15	16:26	ICT TRIPPED ON BUCHHOLZ,186A&B. 220KV I/C-2 TRIPPED ON INTER TRIP.
32	18.11.15	18:27	BAWANA 400/220kV 315MVA ICT-VI	18.11.15	19:08	220KV I/C-6 OF ICT TRIPPED ON E/F.
33	20.11.15	16:44	400kV Ballabhgarh-Bamnauli Ckt-II	20.11.15	17:10	AT BAMNAULI CKT TRIPPED ON 85LO,186.
34	21.11.15	15:15	220kV PRAGATI - SARITA VIHAR CKT	21.11.15	19:25	AT PRAGATI CKT. TRIPPED ON DIST PROT. , AB PHASE DIST 6.31KM, 186, 186 AT SARITA VIHAR DIST PROT, ZONE-1, A&B PHASE, 86 A&B, DIST 2.681KMS
35	21.11.15	15:25	PARKSTREET 220/33kV 100MVA Tx-II	21.11.15	15:36	TR. TRIPPED ON 90D, 80 DC-1, 86A, 33KV I/C-II TRIPPED ON INTER TRIPPING
36	22.11.15	08:13	PAPPANKALAN-I 220/66kV 100MVA Tx-IV	22.11.15	08:33	66KV I/C-IV TRIPPED ON 86, E/F, TR. -IV TRIPPED WITHOUT INDICATION
37	22.11.15	21:38	220kV BAMNAULI-NAJAFGARH CKT-I	22.11.15	21:46	CKT. TRIPPED ON 186 A&B, 86 , BACKUP PROT.
38	22.11.15	21:38	220kV BAMNAULI-NARAINA CKT-II	22.11.15	21:45	CKT. TRIPPED ON 186 A&B, 86 , BACKUP PROT.
39	24.11.15	05:35	NARAINA 220/33kV 100MVA Tx-I	24.11.15	05:52	I/C TRIPPED ON JERK
40	24.11.15	05:35	NARAINA 220/33kV 100MVA Tx-II	24.11.15	05:52	I/C TRIPPED ON JERK
41	24.11.15	05:35	NARAINA 220/33kV 100MVA Tx-III	26.11.15	15:40	I/C TRIPPED ON JERK
42	25.11.15	14:19	220kV ROHINI-SHALIMARBAGH CKT-I	25.11.15	14:31	AT ROHINI CKT. TRIPIED ON 186A, 186B, ZONE-II AT SHALIMARBAGH NO TRIPPING
43	27.11.15	10:50	220kV PRAGATI - I.P.CKT - I	27.11.15	18:17	AT PRAGATI CKT. TRIPPED ON ACTIVE GROUP -I, DIST PROT, TRIP ABC AT IP TRIPPED ON 86 ABC, DIST PROT,
44	29.11.15	06:58	220kV BAWANA - KANJHAWALA CKT-2	29.11.15	09:03	AT BAWANA DIST PROT, AUTO RECLOSE, VT FUSE ALARM, DIST 2.89KM AT KANJAWALA, ZONE-I, R&Y PHASE
45	29.11.15	07:24	220kV BAWANA - KANJHAWALA CKT	29.11.15	09:03	AT KANJAWALA NO TRIPPING AT BAWANA DIST PROT, AUTO RECLOSE LOCK OUT DIST 2.82KM
46	30.11.15	05:50	220kV WAZIRABAD-GEETA COLONY CKT-I	30.11.15	06:16	AT WAZIRABAD TRIPPED ON RY PHASE, START R PHASE, ZONE II & III AT GEETA COLONY TRIP ON ATIVE GROUP -I, TRIP ABC, O/C
47	30.11.15	06:25	NAJAFGARH 66/11kV, 20MVA Tx-III	30.11.15	06:32	TR. TRIPPED ON INTERTRIPPING
48	30.11.15	07:05	PAPPANKALAN-I 220/66kV 100MVA Tx-IV	30.11.15	11:10	TR. TRIPPED ON 80A
49	30.11.15	07:05	PAPPANKALAN-I 220/66kV 100MVA Tx-III	30.11.15	08:10	TR. TRIPPED ON 80A

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

DATE	S. N.	TIME		Name of Grid	NAME OF AFFECTED FEEDERS	MODE	LOAD RELIEF IN MW
		OUT	IN				
03.11.15	1	09.06	09.10	GOPALPUR	66KV JAHANGIRPURI CKT.	FLAT MODE	30
					33KV MODEL TOWN CKT.	FLAT MODE	11