DELHI TRANSCO LTD.

STATE LOAD DISPATCH CENTER

PROGRESS REPORT

****

JANUARY 2015

1 SALIENT FEATURES OF DELHI POWER SYSTEM

Sr. No.	Features	JANUARY 2014	JANUARY 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	902	1372
	TOWMCL	16	16
	Total	2466	2936
2	**Maximum Unrestricted Demand (MW)**	**4079**	**4449**
	Date	10.01.2014	09.01.2015
	Time	10.30.00	10.22.33
3	**Peak Demand met (MW)**	**4000**	**4405**
	Date	17.01.2014	09.01.2015
	Time	10.31.16	10.22.33
4	Peak Availability (MW)	4103	4236
5	Shortage (-) / Surplus (+) in MW	(-) 103	(-) 169
6	Percentage Shortage (-) / Surplus (+)	(-) 2.58	(-) 3.84
7	Maximum Energy Consume in a day (Mus)	72.462	72.763
8	Energy Consumed during the month	**2026.803**	**2085.164**
9	**Load Shedding in Mus**		
A)	Due to Grid Restrictions		
i)	Under Frequency Relay Operations	0.011	0.005
ii)	Manual Load shedding from DTL S/Stns.	0.000	0.000
iii)	Load Shedding due to low frequency / Low Voltage / TTC/ATC Violation		
	NDPL	1.884	0.047
	BRPL	1.367	0.411
	BYPL	0.033	0.121
	NDMC	0.000	0.000
	MES	0.000	0.000
iv)	Due to transmission Constraints in Central Sector	0.263	0.000
	Total due to Grid Restriction	**3.858**	**0.584**
B)	Due to Constraints in System in Mus		
	DTL	0.295	0.083
	NDPL	0.373	0.380
	BRPL	0.212	0.239
	BYPL	0.200	0.116
	NDMC	0.000	0.010
	MES	0.000	0.000
	Other Agencies	0.050	0.016
	Total	**1.130**	**0.844**
11	**Grand Total in Mus**	**4.988**	**1.428**

2. PERFORMANCE OF GENERATING STATIONS WITHIN DELHI DURING JANUARY 2015

A) For the month of January 2015

All Figures in MUs

S. No	Stations	Gross Generation	Aux. Consumption	Net Generation	Availability (%)	Backing Down
1.	**RPH**	29.290	4.946	24.344	29.75	1.888
2.	**GT**	96.614	2.354	94.260	77.54	57.447
3.	**PPCL**	139.654	3.264	136.390	96.00	92.313
4.	**BTPS**	241.048	22.5	218.548	101.45	252.444
5.	**Rithala**	0.000	0.062	-0.062	**89.17**	61.008
6.	**Bawana**	229.301	8.699	220.602	--	705.974
7.	**Towmcl**	7.699	1.400	6.299	--	--
	TOTAL	**743.606**	**43.225**	**700.381**	**--**	**1171.074**

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

Power Station	Effective Capacity (MW)	Net Generation in MUs for Jan. 2015	Availability (%) for Jan 2015	PLF (%) for Jan 2015	Cumulative Generation in MUs upto Jan 2015 for the year 2014-15	Cumulative Availability in % upto Jan 2015 for the year 2014-15	Cumulative PLF in % upto Jan 2015 for the year 2014-15
RPH	135	24.344	29.75	27.63	314.287	61.90	35.46
GT	270	94.260	77.54	48.06	790.450	67.27	40.93
PPCL	330	136.390	96.00	57.24	1564.356	81.59	66.44
BTPS	705	218.548	101.45	47.37	2705.313	85.70	58.21
Rithala	108	-0.062	**89.17**	0.00	-0.601	**88.00**	**0.00**
Bawana	1372	220.602	--	22.48	1768.599	--	--
Towmcl	16	6.299	--	84.68	95.433	--	--
TOTAL	2936	**700.381**	**--**	**--**	**7237.837**	**--**	--

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

1. RPH

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	67.5	04.11.13	12.00	16.04.14	10.50	Stopped due to low demand and high frequency
		04.05.14	10.35	07.05.14	03.10	Boiler tube leakage
		07.05.14	15.35	07.05.14	16.20	Loss of fuel
		07.05.14	16.40	07.05.14	19.25	Loss of fuel
		10.05.14	22.30	10.05.14	23.20	Flame failure
		13.05.14	10.45	14.05.14	15.10	Stopped due to low demand and high frequency
		14.05.14	15.40	14.05.14	16.25	Drum level low
		14.05.14	17.30	14.05.14	17.55	Excitation failure
		22.05.14	09.20	22.05.14	10.45	Turbine trip
		22.05.14	22.25	23.05.14	00.50	Flame failure
		23.05.14	22.30	24.05.14	00.00	Turbine trip
		24.05.14	00.50	24.05.14	01.20	Furnance pressure very high
		30.05.14	16.55	31.05.14	00.00	Unit tripped due to grid disturbance
		31.05.14	00.15	31.05.14	02.30	Drum level low
		09.06.14	13.15	09.06.14	19.25	Unit tripped due to 220kV supply fail
		21.06.14	18.00	21.06.14	20.05	Unit tripped due to 220kV supply fail
		23.06.14	01.40	23.06.14	04.05	Unit tripped due to 220kV supply fail
		25.06.14	05.00	25.06.14	09.25	Unit tripped due to 220kV supply fail
		02.07.14	14.05	02.07.14	16.10	Unit tripped due to 220kV supply failure
		03.07.14	12.05	05.07.14	17.15	Boiler tube leakage
		18.07.14	03.20	18.07.14	06.20	Tripped due to turbine trip
		12.08.14	01.20	16.08.14	20.30	Stopped due to low demand and high frequency
		17.08.14	11.30	19.08.14	23.00	Stopped to attend boiler tube leakage
		22.08.14	10.05	22.08.14	12.20	Unit tirpped duew to flame failure
		23.08.14	12.20	23.08.14	22.20	Desynchronised due to heavy water leakage from spary line.
		16.09.14	04.45	16.09.14	17.25	Unit tripped due to furnance pr high
		20.09.14	03.10	20.09.14	04.10	
		20.09.14	22.45	22.09.14	23.05	Boiler tube leakage
		26.09.14	10.15	02.01.15	14.40	Tripped due to flame failure , later on Stopped due to low demand and high frequency from 01.10.2014
		02.01.15	17.20	02.01.15	18.05	Unit tripped due to loss of fuel
		03.01.15	06.40	03.01.15	07.10	Unit tripped due to turbine trip
		03.01.15	14.55	03.01.15	19.55	Unit tripped due to loss of fuel
		04.01.15	11.30	04.01.15	11.55	Unit tripped due to loss of fuel
		05.01.15	01.50	05.01.15	03.10	Unit tripped due to furnance preseure very high
		09.01.15	12.30	09.01.15	15.35	Unit tripped due to loss of fuel
		16.01.15	23.35	17.01.15	00.05	Unit tripped due to loss of fuel
		21.01.15	12.30	21.01.15	13.05	Unit tripped due to drum level low
		23.01.15	17.50	24.01.15	06.40	Unit desynchronized due to boiler spary line brust
		25.01.15	09.40	27.01.15	10.15	Unit tripped due to leakage in CW line

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
2	67.5	15.03.14	18.00	16.04.14	04.40	Stopped due to low demand and high frequency
		27.04.14	19.30	05.05.14	01.25	Desynchronized on ETD due to fire hazard at boiler corder no. 4
		14.05.14	18.45	17.05.14	17.50	Stopped due to low demand and high frequency
		30.05.14	16.55	30.05.14	23.30	Unit tripped due to grid disturbance
		04.06.14	00.20	05.06.14	00.45	Boiler tube leakage
		07.06.14	11.00	07.06.14	12.05	Turbine trip
		09.06.14	13.15	09.06.14	15.50	Unit tripped due to 220kV supply fail
		21.06.14	18.00	21.06.14	22.50	
		23.06.14	01.40	23.06.14	08.30	
		25.06.14	05.05	25.06.14	07.50	
		02.07.14	14.05	02.07.14	15.50	
		05.07.14	10.10	06.07.14	00.25	Tripped due to condenser vaccum low
		06.07.14	12.15	13.07.14	00.10	Boiler tube leakage
		16.07.14	10.30	16.07.14	11.05	Unit tripped due to UAT oil level low
		18.07.14	08.00	21.07.14	11.10	Boiler tube leakage
		06.08.14	18.10	08.08.14	24.00	Boiler tube leakage
		09.08.14	00.00	12.08.14	23.40	Stopped due to low demand and high frequency
		22.08.14	18.00	30.08.14	00.50	Boiler tube leakage
		10.09.14	04.45	10.09.14	05.45	Unit tripped due to furnance pr high
		11.09.14	20.10	16.09.14	20.40	Boiler tube leakage
		25.09.14	12.45	25.09.14	14.10	Unit tripped due to DC control supply failure
		27.09.14	00.45	27.09.14	01.25	Tripped due to turbine trip
		27.09.14	06.40	27.09.14	07.15	Unit tripped due to condansor vaccume low
		28.09.14	01.00	28.09.14	04.35	Unit tripped due to drum level high
		28.09.14	13.40	28.09.14	14.55	Unit tripped due to 220kv supply failure
		01.10.14	00.15	29.12.14	23.59	Stopped due to low demand and high frequency
		30.12.14	00.00	31.01.15	23.59	Major overhauling

(B) Gas Turbine

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	30	27.03.14	13.10	15.04.14	18.28	Stopped due to low demand and high frequency
		15.04.14	18.38	15.04.14	19.45	Machine tripped due to grid disturbance
		14.06.14	02.02	16.04.14	08.01	Stopped due to low demand and high frequency
		16.04.14	18.15	23.04.14	19.45	
		04.05.14	10.05	04.05.14	13.45	Stopped due to LTTH High
		25.05.14	03.31	26.05.14	18.02	Stopped due to low demand and high frequency
		27.05.14	12.16	28.05.14	20.11	
		30.05.14	16.55	30.05.14	17.30	Machine came on FSNL due to grid disturbance.
		02.06.14	03.27	02.06.14	05.55	Due to tripping of 20 MVA Tr. Machine tripped
		03.06.14	19.02	03.06.14	20.21	Due to tripping of 6.6 KV Bus Coupler machine came on FSNL
		09.06.14	13.12	09.06.14	13.42	Machine came on FSNL as the 220 KV Bus became dead at IP Ext end.
		13.06.14	23.10	14.06.14	01.45	Tripped on loss of excitation
		14.06.14	01.45	16.06.14	12.49	Stopped due to low demand and high frequency
		18.06.14	09.10	18.06.14	11.20	Tripped on loss of excitation
		21.06.14	17.56	21.06.14	18.48	Due to Heavy Jerk (Due to 220 KV Pragati-Sarita Vihar line tripped)
		25.06.14	05.00	25.06.14	06.10	Machine tripped due to failure of Grid
		25.06.14	14.55	25.06.14	15.10	Due to Jerk both 160 MVA Tx. Tripped
		30.06.14	05.02	30.06.14	06.05	machine tripped due to failure of auxiliary Supply
		30.06.14	13.32	30.06.14	17.06	Stopped as per SLDC as generation not required in OC mode
		02.07.14	14.02	02.07.14	14.58	Machine tripped due to both 160MVA Trfs. tripped from 220 KVA side.
		06.07.14	14.15	07.07.14	12.15	Stopped due to low demand and high frequency
		07.07.14	12.15	07.07.14	17.08	Machine could not be taken on load due to leakaage of oil.
		09.07.14	17.20	10.07.14	17.10	Machine tripped due to tripping of AOP.
		10.07.14	17.35	10.07.14	18.34	Machine tripped due to loss of exictation.
		17.07.14	21.16	18.07.14	03.45	Stopped due to low demand and high frequency
		18.07.14	03.45	18.07.14	12.45	Due to failure of auxillary supply
		18.07.14	12.45	19.07.14	18.32	Stopped due to low demand and high frequency
		25.07.14	08.01	31.07.14	07.58	
		04.08.14	19:18	06.08.14	13:51	
		06-08-14	15:20	06-08-14	17:40	
		07-08-14	09:46	19-08-14	11:40	
		28-08-14	17:54	20-09-14	17.12	
		04-10-14	17:45	08-11-14	11.22	
		08.11.14	22.30	14.11.14	10.28	
		14.11.14	19.25	17.11.14	08.18	
		17.11.14	17.20	19.11.14	09.07	
		19.11.14	21.35	27.12.14	12.55	
		27.12.14	17.40	31.01.15	23.59	

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
2	30	01.02.14	17.00	31.01.15	23.59	Machine stopped due to high viberation

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
3	30	27.03.14	16.38	15.04.14	17.50	Stopped due to low demand and high frequency
		15.04.14	18.38	15.04.14	19.05	Machine tripped due to grid disturbance
		18.04.14	17.47	18.04.14	18.55	Tripped on electrical trouble normal shutdown
		06.05.14	11.00	06.05.14	15.05	Stopped due to LTTH High
		06.05.14	15.15	06.05.14	17.30	
		07.05.14	10.46	07.05.14	19.31	
		12.05.14	17.21	12.05.14	18.05	Tripped on loss of flame
		13.05.14	00.22	13.05.14	00.54	
		13.05.14	20.25	22.05.14	12.10	Stopped due to low demand and high frequency
		25.05.14	00.58	25.05.14	01.26	Due to trid disturbance machine came on FSNL
		30.05.14	16.55	30.05.14	17.25	
		04.06.14	14.47	04.06.14	16.10	Machine tripped due to Middle section of Base radiator punctured due to falling of angle from APRDS Floor
		09.06.14	13.12	09.06.14	13.36	Machine came on FSNL as the 220 KV Bus became dead at IP Ext end.
		20.06.14	21.02	30.06.14	12.50	Machine started but could not be taken on load due to failure of diesel Engine
		02.07.14	14.02	02.07.14	14.58	Machine came on FSNL both 160MVA Trfs. tripped from 220 KVA side.
		17.07.14	21.14	18.07.14	03.45	Stopped due to low demand and high frequency
		18.07.14	03.45	19.07.14	17.22	Due to failure of auxillary supply
		31.07.14	00.12	31.07.14	15.24	Machine tripped as both 160 MVA Tr-I & II tripped
		04-08-14	14:05	06-08-14	10:22	Stopped due to low demand and high frequency
		06-08-14	15:22	16-08-14	14:45	
		16-08-14	21:31	28-08-14	17:10	
		11-10-14	16:44	14-10-14	12:10	
		14-10-14	14:33	12.11-14	14.54	
		13.11.14	12.55	21.11.14	12.44	
		14.12.14	01.52	14.12.14	02.50	Machine tripped due to high TAD
		15.12.14	18.50	11.01.15	16.25	Stopped due to low demand and high frequency
		12.01.15	13.51	12.01.15	16.12	Machine tripped due to C&I problem
		27.01.15	00.55	27.01.15	10.35	Machine on FSNL due to exhaust temp high at 01.15hrs. machine tripped during fault rectification by C&I Deptt.

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
4	30	27.03.14	18.30	06.06.14	12.30	Machine is under shutdown for HGPI
		09.06.14	13.12	09.06.14	13.34	Machine came on FSNL as the 220 KV Bus became dea at IP Ext end.
		21.06.14	17.56	21.06.14	19.05	Came on FSNL due to tripping of 160 MVA Tr-1& II.
		25.06.14	05.01	25.06.14	06.45	Came on FSNL due to tripping of 160 MVA Tr-1& II.
		25.06.14	08.45	25.06.14	17.26	Machine could not be taken on load due Diode Rotating diode fault fault on protection panel.
		30.06.14	05.30	30.06.14	06.10	machine tripped due to failure of auxiliary Supply
		02.07.14	14.02	02.07.14	14.47	Machine came on FSNL both 160MVA Trfs. tripped from 220 KVA side.
		17.07.14	23.46	18.07.14	03.45	Machine tripped due to both 160MVA Trfs. tripped .
		18.07.14	03.45	18.07.14	12.42	Due to failure of auxillary supply
		29.07.14	09.45	31.07.14	03.14	Stopped due to low demand and high frequency
		31.07.14	04.50	31.07.14	06.35	Machine tripped as both 160 MVA Tr-I & II tripped
		04-08-14	19:09	06-08-14	10:28	Stopped due to low demand and high frequency
		06-08-14	13:01	16-08-14	14:47	
		16-08-14	21:32	27-08-14	11:08	
		05-10-14	17:20	11-10-14	15:58	
		14-10-14	18:50	30-11-14	18.40	
		13.11.14	12.30	15.11.14	11.20	
		15.11.14	11.50	21.11.14	16.50	
		28.11.14	18.31	28.11.14	20.03	Machine stopped due to LLVT high
		15.12.14	15.28	11.01.15	14.52	Stopped due to low demand and high frequency

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
5	30	12.04.14	09.50	12.04.14	10.41	Machine tripped due to grid disturbance
		15.04.14	18.38	15.04.14	18.48	
		07.05.14	13.30	13.05.14	18.50	Machine tripped due to LTTH High . After that it is not available due to problem in Diesal engine.
		25.05.14	00.58	25.05.14	01.30	Due to trid disturbance machine came on FSNL
		30.05.14	16.55	30.05.14	19.15	
		06.06.14	02.35	06.06.14	11.30	Stopped due to low demand and high frequency
		06.06.14	11.30	06.06.14	17.15	Machine tripped on high Exhaust temperature.
		09.06.14	13.12	09.06.14	13.20	Machine came on FSNL as the 220 KV Bus became dea at IP Ext end.
		20.06.14	10.50	20.06.14	10.56	machine came on FSNL due to tripping of 7.5 MVA Auxiliary Transformer due to jerk.
		21.06.14	17.56	21.06.14	18.31	Machine came on FSNL as the 220 KV Bus became dea at IP Ext end.
		25.06.14	05.01	25.06.14	08.45	Machine came on FSNL as the 220 KV Bus became dea at IP Ext end.
		25.06.14	08.45	25.06.14	11.02	machine could not be taken on load due to starting device trip.
		25.06.14	14.45	25.06.14	18.09	Machine tripped as the 220 KV Bus became dea at IP Ext end.
		26.06.14	02.46	26.06.14	15.13	Stopped due to low demand and high frequency
		29.06.14	00.05	30.06.14	17.10	
		01.07.14	01.45	02.07.14	17.08	
		03.07.14	02.45	03.07.14	15.40	
		17.07.14	23.46	18.07.14	03.45	Machine tripped due to both 160MVA Trfs. tripped .
		18.07.14	03.45	18.07.14	12.52	Due to failure of auxillary supply
		31.07.14	00.12	31.07.14	00.46	Machine tripped as both 160 MVA Tr-I & II tripped
		31.07.14	04.50	01-08-14	14:44	Machine tripped as both 160 MVA Tr-I & II tripped and not taken on load due to no demand from SLDC
		01-08-14	16:48	07-08-14	14:50	Stopped due to low demand and high frequency
		31-08-14	13:45	09-09-14	19:18	
		20-09-14	12:15	04.10.14	13.25	
		12.11.14	18.18	28.11.14	20.03	
		19.11.14	14.49	19.11.14	21.50	
		21.11.14	16.20	15.12.14	10.32	
		16.12.14	02.03	17.12.14	16.22	
		20.12.14	14.33	20.12.14	14.46	Machine came on FSNL due to working of DTL personnel in Ilanding pannel in GTPS resulting both 160MVA Txs tripped.
		27.12.14	13.05	27.12.14	17.35	machine stopped as no schedule on OC mode
		30.12.14	18.40	30.12.14	19.38	Tripped due to failure of Mark-IV supply and machine tripped on exhaust thermocouple open trip alarm.
		13.01.15	14.45	13.01.15	17.35	Machine tripped due to malfunctioning of C&I message

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
6	30	12.04.14	09.50	12.04.14	09.55	Machine tripped due to grid disturbance
		15.04.14	18.38	15.04.14	18.50	
		30.05.14	16.55	30.05.14	17.23	Due to trid disturbance machine came on FSNL
		02.06.14	03.27	02.06.14	04.10	Due to tripping of 20 MVA Tr. Machine came on FSNL
		03.06.14	19.02	03.06.14	20.07	Due to tripping of 6.6 Bus Coupler machine came on FSNL
		06.06.14	02.32	06.06.14	11.30	Stopped due to low demand and high frequency
		06.06.14	11.30	06.06.14	18.00	machine not taken on load due to problem in Diesel Engine
		06.06.14	18.00	11.06.14	11.45	Stopped due to low demand and high frequency
		21.06.14	17.56	21.06.14	18.42	Machine came on FSNL as the 220 KV Bus became dea at IP Ext end.
		25.06.14	05.01	25.06.14	05.28	Machine came on FSNL as the 220 KV Bus became dea at IP Ext end.
		25.06.14	14.45	25.06.14	15.10	Came on FSNL due to tripping of 160 MVA Tr-1& II.
		26.06.14	02.47	26.06.14	18.02	Stopped due to low demand and high frequency
		29.06.14	00.02	30.06.14	17.41	
		01.07.14	01.50	02.07.14	17.01	
		03.07.14	02.45	03.07.14	11.25	
		03.07.14	15.52	04.07.14	17.10	
		17.07.14	23.46	18.07.14	01.56	Machine came on FSNL both 160MVA Trfs. Tripped.
		18.07.14	02.10	18.07.14	13.29	Due to failure of auxillary supply
		20.07.14	08.16	22.07.14	11.14	Stopped due to low demand and high frequency
		29.07.14	09.45	04-08-14	11:14	
		05-08-14	03:07	05-08-14	09:43	
		30-08-14	09:15	09-09-14	19:22	
		20-09-14	12:17	05-10-14	16:09	
		14-10-14	12:50	14-10-14	18:04	
		12.11.14	19.38	13.11.14	13.59	
		21.11.14	18.06	15.12.14	15.50	
		20.12.14	14.33	20.12.14	14.46	Machine came on FSNL due to working of DTL personnel in Ilanding pannel in GTPS resulting both 160MVA Txs tripped.
		16.01.15	08.35	16.01.15	08.56	Machine tripped on generator breakes tripped and combustion troublealarm appeared
		27.01.15	23.32	31.01.15	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-1	30	27.03.14	13.20	15.04.14	23.36	Stopped due to low demand and high frequency
		15.04.14	23.39	16.04.14	00.38	Gen. class A trip
		16.04.14	00.52	16.04.14	12.20	
		16.04.14	16.20	16.04.14	22.00	Turbine shaft virbraiton very high
		16.04.14	22.00	23.04.14	22.54	Stopped due to low demand and high frequency
		24.04.14	02.30	24.04.14	04.02	Turbine shaft virbration very high at bearing no 3
		24.04314	05.30	24.04.14	11.35	
		26.04.14	14.40	26.04.14	15.22	
		01.05.14	20.40	02.05.14	05.45	Machine manually tripped due to heavy abnormal sound in CEP
		04.05.14	10.10	04.05.14	15.30	G.T. stopped due to LTTH High, so STG stopped
		06.05.14	17.20	06.05.14	21.30	Machine tripped due to Oil pressure problem
		12.05.14	22.18	12.05.14	23.10	Tripped on Trip oil pressure very low
		14.05.14	12.05	14.05.14	14.58	Tripped on Class A relay and 40G relay operated
		25.05.14	00.58	25.05.14	03.30	Tripped due to grid disturbance
		25.05.14	03.30	25.05.14	21.30	machine under shutdown due to truning gear problem
		25.05.14	21.30	26.05.14	21.05	Stopped due to low demand and high frequency
		27.05.14	08.46	27.05.14	17.30	Machine tripped due to low vaccum
		27.05.14	17.30	28.05.14	23.52	Stopped due to low demand and high frequency
		29.05.14	09.20	29.05.14	10.07	Tripped on trip oil pressure very low
		29.05.14	12.38	29.05.14	14.04	
		30.05.14	16.55	30.05.14	19.05	Tripped due to grid disturbance
		02.06.14	03.27	02.06.14	07.03	Due to tripping of 20 MVA Tr. Machine tripped
		03.06.14	19.02	03.06.14	22.07	Due to tripping of 6.6 Bus Coupler machine tripped
		09.06.14	13.12	09.06.14	14.40	Machine came on FSNL as the 220 KV Bus became dea at IP Ext end.
		13.06.14	23.10	14.06.14	02.15	Machine tripped due to tripping of GT#1 on loss of Excitation.
		14.06.14	02.15	16.06.14	15.18	Stopped due to low demand and high frequency
		18.06.14	09.10	18.06.14	12.50	Machine tripped due to tripping of GT#1 on loss of Excitation.
		20.06.14	10.50	20.06.14	17.20	machine tripped due to tripping of 7.5 MVA Auxiliary Trr due to jerk.
		21.06.14	17.56	21.06.14	20.28	Due to Heavy Jerk,GT and STG tripped
		25.06.14	05.01	25.06.14	07.40	Due to Jerk machine tripped
		25.06.14	14.45	25.06.14	16.13	Due to Jerk both 160 MVA Tx. Tripped
		30.06.14	05.02	30.06.14	23.56	Machine tripped due to tripping of Auxilairy Transformer.
		01.07.14	12.13	01.07.14	13.10	Machine triipped due to jerk,bus coupler of 6.6KV bus bar tripped
		02.07.14	14.02	02.07.14	16.00	Machine tripped due to both 160MVA Trs. tripped
		06.07.14	14.15	07.07.14	12.15	Stopped due to low demand and high frequency
		07.07.14	12.15	07.07.14	19.30	Machine could not be taken on load due to non availability of GT#1.
		09.07.14	17.20	10.07.14	20.08	Machine tripped due to tripping of AOP of GT#1..
		12.07.14	21.40	12.07.14	22.30	Machine tripped due to failure of Auxiliary supply
		17.07.14	21.16	18.07.14	03.45	Stopped due to low demand and high frequency
		18.07.14	03.45	18.07.14	12.45	Due to failure of auxillary supply
		18.07.14	12.45	19.07.14	20.35	Stopped due to low demand and high frequency
		25.07.14	08.01	31.07.14	14.10	
		04-08-14	19:11	06-08-14	19:33	
		06-08-14	19:44	06-08-14	23:26	Stopped due to oil leakage in servo motor.

STG-1	**30**	06-08-14	23:32	12-08-14	12:00	Stopped due to oil leakage in servo motor.
		12-08-14	12:00	16-08-14	20:15	Stopped due to low demand and high frequency
		16-08-14	20:15	16-08-14	22:15	Problem in DC EOP
		16-08-14	22:15	19-08-14	14:55	Stopped due to low demand and high frequency
		28-08-14	17:54	20-09-14	12:15	
		20-09-14	12:15	20-09-14	20:15	Machine could not be taken due to water leakage in HRSG#1
		24-09-14	04:17	24-09-14	05:18	Tripped due to Trip oil pressure very low
		04-10-14	17:45	11-10-14	13:00	Stopped due to low demand and high frequency
		11-10-14	13:00	08-11-14	19.10	Machine stopped due to bearing inspection.
		08.11.14	19.35	14.11.14	15.35	Stopped due to low demand and high frequency
		14.11.14	16.46	17.11.14	16.29	
		17.11.14	17.05	19.11.14	13.52	
		19.11.14	16.05	19.11.14	19.30	Machine tripped due to exhaust steam temp. Very high
		19.11.14	21.35	31.01.15	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	27.03.14	16.45	16.04.14	01.50	Stopped due to low demand and high frequency
		18.04.14	17.47	18.04.14	20.40	Machine tripped due to tripping of G.T.
		06.05.14	11.05	06.05.14	23.59	G.T. stopped due to LTTH high, so STG stopped
		07.05.14	10.46	07.05.14	23.10	
		12.05.14	17.22	12.05.14	19.05	Tripped due to tripping of G.T. (machine running on single G.T.)
		13.05.14	00.22	13.05.14	01.40	
		13.05.14	20.25	22.05.14	15.50	Stopped due to low demand and high frequency
		25.05.14	00.58	25.05.14	02.05	Tripped due to grid disturbance
		30.05.14	00.01	30.05.14	23.56	Machine not available due to non availabvility of DC EOP
		02.06.14	03.27	02.06.14	06.12	Due to tripping of 20 MVA Tr. Machine tripped
		04.06.14	10.20	04.06.14	10.38	Machine tripped due to malfunction of MS-14 valve
		04.06.14	14.47	04.06.14	16.48	STG tripped due to tripping of GT#3 .
		09.06.14	13.12	09.06.14	14.25	Machine tripped due to Grid disturbance
		17.06.14	18.43	17.06.14	19.28	Machine tripped on low vacum as drum pr could not be maintained due to tripping of BFP-2A.
		20.06.14	10.50	20.06.14	11.50	Machine tripped due to tripping of Auxilairy Transformer.
		21.06.14	17.56	21.06.14	20.35	Due to Heavy Jerk,GT and STG tripped
		22.06.14	02.00	22.06.14	03.09	Machine tripped on Turbine RJB shaft vibration very high.
		25.06.14	05.01	25.06.14	08.45	Machine tripped due to failure of Grid
		25.06.14	08.45	25.06.14	19.28	machine could not be taken as both GT 3 & 4 were not available
		30.06.14	05.30	30.06.14	07.06	Machine tripped due to tripping of Auxilairy Transformer.
		01.07.14	12.13	01.07.14	14.01	Machine triipped due to jerk,bus coupler of 6.6KV bus bar tripped
		02.07.14	13.58	02.07.14	15.10	Machine triipped due to heavy jerk occurred in control room.
		12.07.14	11.24	12.07.14	12.45	Machine tripped on low vaccum as Auxiliary supply failed to CEP & BFP due to tripping of 6.6 KV Bus Coupler
		17.07.14	23.46	18.07.14	03.45	Machine tripped due to both 160MVA Trfs. tripped .
		18.07.14	03.45	18.07.14	15.53	Due to failure of auxillary supply
		23.07.14	09.19	23.07.14	11.38	Machine triipped due to malfuctioning of relay.
		31.07.14	00.12	31.07.14	08.40	Machine tripped as both 160 MVA Tr-I & II tripped
		04-08-14	19:11	06-08-14	15:00	Stopped due to low demand and high frequency
		06-08-14	15:00	08-08-14	10:45	Machine not taken due to problem in ESV
		08-08-14	10:45	16-08-14	19:15	Stopped due to low demand and high frequency
		16-08-14	19:15	26-08-14	21:45	Not available due to problem in ESV
		26-08-14	21:45	27-08-14	13:48	Stopped due to low demand and high frequency
		27-08-14	13:53	27-08-14	14:48	Tripped due to false alarm of housing vibration.
		14-10-14	18:50	12.11.14	17.58	Stopped due to low demand and high frequency
		13.11.14	04.02	13.11.14	04.29	Machine tripped due to exhaust steam pr. Very high (Low vacuum)
		13.11.14	12.20	13.11.14	13.29	Machine tripped on low vacuum. CEP 2A tripped and other CEP-2B was under PTW.
		14.11.14	07.25	14.11.14	08.56	Machine tripped on low vacuum. CEP 2A tripped and other CEP-2B was under PTW.
		14.11.14	11.36	14.11.14	12.55	Machine tripped on hot well level very high.
		14.11.14	12.55	21.11.14	16.18	Stopped due to low demand and high frequency
		28.11.14	18.31	28.11.14	20.03	Machine tripped due to LLVT high
		15.12.14	18.50	11.01.15	17.30	Stopped due to low demand and high frequency
		11.01.15	20.42	11.01.15	22.58	Machine tripped due to C&I Problem
		15.01.15	15.22	15.01.15	15.50	Machine triped due to trip oil pressure very low alarm, axial shift pre trip alarm shown in BCD.
		22.01.15	09.55	22.01.15	10.37	Machine tripped due to RJB shaft vibration.

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG-3	30	12.04.14	09.50	12.04.14	11.34	Machine tripped due to grid disturbance
		15.04.14	18.38	15.04.14	21.15	
		10.05.14	17.45	10.05.14	19.08	Machine tripped due to card malfunction
		25.05.14	00.58	25.05.14	02.15	Machine tripped due to grid disturbance
		30.05.14	16.55	30.05.14	18.25	
		02.06.14	03.27	02.06.14	05.07	Due to tripping of 20 MVA Tr. Machine tripped
		03.06.14	09.12	11.06.14	10.59	Machine stopped due to Fire at Bearing No.#1
		21.06.14	17.56	21.06.14	21.30	Due to Heavy Jerk,GT and STG tripped
		25.06.14	05.01	25.06.14	08.05	Machine tripped due to failure of Grid
		25.06.14	14.05	25.06.14	22.27	Machine tripped manually due to fire observed at bearing #1.
		26.06.14	01.51	26.06.14	21.43	
		27.06.14	02.50	27.06.14	11.45	
		27.06.14	12.56	28.06.14	12.00	
		28.06.14	13.10	05.07.14	21.43	Machine not available due to leakage of oil from bearing#1
		09.07.14	22.15	09.07.14	23.10	Machine tripped due to class-A relay tripped.Relays 86X
		12.07.14	11.24	12.07.14	12.03	Machine tripped on low vaccum as Auxiliary supply failed to CEP & BFP due to tripping of 6.6 KV Bus Coupler
		17.07.14	23.46	18.07.14	03.45	Machine tripped due to both 160MVA Trs. tripped .
		18.07.14	03.45	18.07.14	14.42	Due to failure of auxillary supply
		31.07.14	00.12	31.07.14	03.52	Machine tripped as both 160 MVA Tr-I & II tripped
		31.07.14	04.50	31.07.14	23.59	Machine tripped as both 160 MVA Tr-I & II tripped and not taken on load due to no demand from SLDC
		01-08-14	00:00	04-08-14	13:58	Stopped due to low demand and high frequency
		04-08-14	15:38	04-08-14	16:20	Machine tripped due to following relays operation-86GA1,86GB1 & Aux. relay-60AX
		04-08-14	16:35	04-08-14	19:03	Stopped due non availability of both BFPs.
		31-08-14	13:45	10-09-14	00:58	Stopped due to low demand and high frequency
		20-09-14	12:17	26-09-14	15:30	Machine stopped due to condenser cleaning
		26-09-14	15:30	04-10-14	17:32	Stopped due to low demand and high frequency
		08-10-14	15:38	08-10-14	18:16	Machine tripped suddenly when all parameters were normal. Its vaccum fell suddenly from 0.86 at 15:37 hrs to 0.74 at 15:38 hrs. on checking at site it was found that vaccum breake valve opened up. Two numbers fuses were found burnt in vaccum breaker MCC.
		20-10-14	15:40	20-10-14	16:21	Machine tripped on vacuum tank level high false alrm due to malfunctioning of switch.
		03.11.14	12.20	03.11.14	13.25	Machine tripped suddenly due to LLVT tank very high alarm in CCT monitor but alarm not appeared on BCD.
		05.11.14	10.05	05.11.14	12.20	Machine tripped due to ESV closed alarm in CRT,found oil leakage at turbine floor on secondary oil line.
		12.11.14	19.38	13.11.14	16.12	Stopped due to low demand and high frequency
		21.11.14	18.10	15.12.14	23.59	
		15.12.14	15.59	15.12.14	18.10	Machine tripped due to drum level high
		20.12.14	14.33	20.12.14	15.30	Machine tripped due to working of DTL personnel in Ilanding pannel in GTPS resulting both 160MVA Txs tripped.

(C) PRAGATI

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	104	24.04.14	17.21	24.04.14	21.14	Tripped On internal fault
		24.04.14	21.35	24.04.14	23.26	Tripped on internal fault
		28.04.14	00.00	28.04.14	10.00	Stopped due to less demand and high frequency
		28.04.14	10.00	18.06.14	15.06	Stopped for MI
		21.06.14	11.11	22.06.14	22.11	To attend leakage after planned shutdown of MI
		25.06.14	05.01	25.06.14	06.00	Tripped due to grid disturbance
		02.07.14	14.05	02.07.14	15.34	Tripped due to grid disturbance
		11.07.14	14.15	11.07.14	14.45	Tripped on internal fault
		21.07.14	20.13	21.07.14	21.50	
		22.07.14	15.26	22.07.14	16.11	
		23.07.14	00.00	23.07.14	04.24	Stopped to attend internal fault
		14.11.14	20.05	12.12.14	16.59	Stopped due to less demand and high frequency
		12.01.15	21.00	20.01.15	12.26	

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
2	104	08.04.14	08.58	27.04.14	22.31	Stopped for CI
		02.05.14	15.29	02.05.14	16.59	Tripped on internal fault
		04.05.14	15.37	04.05.14	16.39	
		25.05.14	00.58	25.05.14	02.50	Tripped due to grid disturbance
		14.06.14	13.35	14.06.14	14.06	Tripped on internal fault
		06.07.14	17.14	06.07.14	18.04	Tripped due to grid disturbance
		10.11.14	20.00	14.11.14	10.48	Stopped due to shutdown desired by DTL
		02.12.14	00.20	02.12.14	01.09	Tripped on internal fault
		02.12.14	08.53	02.12.14	11.10	Tripped on internal fault
		12.12.14	08.18	12.12.14	09.40	Tripped on internal fault
		12.12.14	18.54	23.12.14	05.47	Stopped due to less demand and high frequency
		29.12.14	21.18	29.12.14	23.46	Tripped on internal fault
		11.01.15	16.00	19.01.15	06.00	Stopped due to less demand and high frequency
		20.01.15	14.05	27.01.15	06.03	Unit stopped as desired by DTL to attend hot spot and further Stopped due to less demand and high frequency

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG	122	11.04.14	11.04	11.04.14	11.57	STG tripped on internal fault
		16.04.14	00.00	19.05.14	02.43	STG stopped for bearing inspection and condenser chemical cleaning.
		25.05.14	00.58	25.05.14	03.53	Tripped due to grid disturbance
		27.05.14	10.00	27.05.14	11.18	Tripped on internal fault
		30.05.14	16.56	30.05.14	18.12	Tripped due to grid disturbance
		09.06.14	13.12	09.06.14	13.57	
		13.06.14	02.36	13.06.14	03.41	
		16.06.14	11.41	16.06.14	12.23	Tripped on internal fault
		21.06.14	17.55	21.06.14	18.40	Tripped due to grid disturbance
		25.06.14	05.01	25.06.14	06.58	
		02.07.14	14.05	02.07.14	14.14	
		06.07.14	17.14	06.07.14	18.29	
		29.07.14	04.44	29.07.14	05.38	STG tripped on internal fault
		23.11.14	17.06	23.11.14	18.00	STG unloaded and tripped due to continuous fluctuation in the system
		02.12.14	00.20	12.12.14	01.56	Tripped on internal fault
		02.12.14	08.53	12.12.14	11.53	Tripped on internal fault
		12.12.14	08.18	12.12.14	10.27	Tripped on internal fault
		14.12.14	10.48	14.12.14	11.38	STG tripped due to grid disturbance
		19.12.14	11.14	19.12.14	12.50	Tripped on internal fault
		11.01.15	09.53	18.01.15	24.00	Tripped on internal fault
		19.01.15	00.00	19.01.15	16.37	Stopped due to less demand and high frequency
		19.01.15	17.14	19.01.15	18.55	Tripped on internal fault
		20.01.15	13.57	20.01.15	21.08	
		25.01.15	05.12	25.01.15	08.44	

(D) BADARPUR THERMAL POWER STATION

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	95	14.05.14	17.37	19.05.14	09.36	Stopped due to low demand and high frequency
		30.05.14	17.08	30.05.14	19.17	Tripped due to grid disturbance
		20.06.14	12.15	21.05.14	06.25	Water wall leakage
		17.07.14	23.22	18.07.14	05.33	Battery / DC System problem
		18.07.14	05.45	18.07.14	07.00	Bus dead, PA Fan rotating reverse direction
		18.07.14	16.19	28.07.14	08.09	Stopped due to low demand and high frequency
		22.08.14	02.30	26.08.14	00.00	Coal supply to bunkers
		26.08.14	00.00	02.10.14	06.31	Coal shortage
		17.10.14	18.16	22.10.14	15.35	Stopped due to low demand and high frequency
		22.10.14	15.35	29.10.14	15.15	Stopped due to coal shortage
		29.10.14	15.15	31.01.15	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	25.04.14	12.17	30.04.14	21.27	Stopped due to low demand and high frequency
		03.05.14	17.41	03.05.14	18.58	Tripped due to grid disturbance
		04.05.14	20.51	05.05.14	00.16	AVR & Excitation system
		22.05.14	09.27	31.05.14	12.13	CW Pum pit cleaning
		06.07.14	01.50	06.07.14	09.50	LT Bus problem
		06.07.14	09.50	08.07.14	06.25	ID Fan bearing problem
		24.07.14	02.48	24.07.14	04.34	Furnance disturbance
		30.07.14	20.12	31.07.14	23.59	Stopped due to low demand and high frequency
		01.08.14	22.00	26.08.14	00.00	Planned shutdown
		26.08.14	00.00	27.09.14	13.30	Coal shortage
		27.09.14	13.30	30.09.14	23.59	Stopped due to low demand and high frequency
		05.10.14	11.13	31.10.14	15.30	Stopped due to coal shortage
		31.10.14	15.30	31.01.15	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	11.03.14	21.15	01.05.14	13.55	Stopped due to low demand and high frequency
		03.05.14	17.41	03.05.14	19.43	Tripped due to grid disturbance
		10.05.14	15.55	11.05.14	17.22	Water wall leakage (Screentube LHS)
		30.05.14	17.08	30.05.14	20.05	Tripped due to grid disturbance
		30.05.14	21.22	30.05.14	22.41	
		30.05.14	23.53	30.05.14	23.59	AVR & Excitation system problem
		14.06.14	15.18	14.06.14	19.44	Generator Protection
		21.06.14	14.14	22.06.14	14.34	Water wall lleakage
		26.06.14	20.20	28.06.14	01.18	Economizer tube leakage
		08.07.14	08.58	08.07.14	10.16	Furnance disturbance
		11.07.14	10.37	11.07.14	11.57	C&I induced (Axial shift)
		24.07.14	00.46	31.07.14	23.59	Stopped due to low demand and high frequency
		20.08.14	00.00	26.08.14	00.00	Coal supply to bunkars
		26.08.14	00.00	30.09.14	23.59	Major planned shutdown
		10.10.14	17.08	10.10.14	19.08	Stopped for Electrical testing
		10.10.14	19.08	12.10.14	15.40	Coal shortage
		12.10.14	21.42	22.10.14	19.34	Caol shortage
		25.10.14	22.04	01.11.14	15.48	
		02.11.14	20.49	27.11.14	08.32	Stopped due to low demand and high frequency
		12.12.14	21.56	13.12.14	13.14	Control cable fault / fuse blown
		26.12.14	18.56	31.01.15	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	05.03.14	02.11	21.04.14	15.16	Planned shutdown
		30.04.14	14.18	01.05.14	21.00	Economizer Tube leakage
		01.05.14	21.00	05.05.14	11.13	Tripped due to grid disturbance
		25.05.14	20.26	28.05.14	07.55	Reheater tube leakage
		30.05.14	17.08	30.05.14	22.08	Tripped due to grid disturbance
		04.08.14	11.49	04.08.14	17.52	Furnance disturbance
		22.08.14	09.42	22.08.14	13.02	Differential relay malfunction
		29.08.14	00.28	01.09.14	10.35	Coal shortage
		01.09.14	13.35	01.09.14	22.52	UAT Differential protection
		09.09.14	13.33	14.09.14	16.32	Coal shortage
		26.09.14	08.35	26.09.14	10.57	Transformer winding temp high
		01.11.14	05.12	02.11.14	04.14	C&I Induced (Axial shift)
		27.11.14	10.56	30.11.14	08.33	Stopped due to low demand and high frequency
		11.12.14	13.44	11.12.14	15.58	Furnance disturbance
		05.01.15	18.32	06.01.15	05.15	
		20.01.15	13.00	20.01.15	18.26	UAT faulty
		24.01.15	03.31	24.01.15	18.03	Water wall leakage
		24.01.15	18.03	31.01.15	23.59	Stopped due to less demand and high frequency

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
5	210	23.04.14	00.02	25.04.14	05.05	APH outlet Baffles found broken
		12.05.14	04.02	14.05.14	08.27	APH Outlet deflectors broken
		07.06.14	22.47	08.06.14	23.22	CW Pump trip
		13.06.14	11.01	13.06.14	15.51	AVR & Excitation system problem
		17.06.14	23.06	19.06.14	04.00	Economizer tube leakage
		19.06.14	04.00	20.06.14	16.45	PA Fan lub oil system problem
		07.07.14	20.01	09.07.14	03.03	Water wall leakage
		27.07.14	16.38	30.07.14	02.50	Water wall leakage
		11.11.14	22.07	12.11.14	20.08	Economizer tube leakage
		30.11.14	11.10	26.12.14	05.40	Stopped due to low demand and high frequency

(E) BAWANA CCGT POWER STATION

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	216	25.09.13	12.05	10.06.14	18.34	Stopped due to low demand and high frequency
		13.06.14	09.20	16.06.14	16.48	
		21.06.14	01.25	23.06.14	08.34	
		28.06.14	06.42	11.07.14	11.29	
		12.07.14	09.50	21.07.14	08.20	
		09.08.14	00.19	09.08.14	02.21	Failure of compressor bleed solenoid valve
		09.08.14	18.59	09.08.14	21.24	
		10.08.14	10.30	11.08.14	05.57	
		03.09.14	17.32	03.09.14	19.14	Tripped with alarm on MARK #6 & simultaneously STG #1
		11.11.14	06.01	11.11.14	07.23	Unit tripped due to loss of flame & STG #1 simultaniously tripped
		18.12.14	12.35	19.12.14	13.32	Unit tripped on high exhaust temp.
		28.12.14	01.34	28.12.14	05.22	Unit tripped on high exhaust temp spread high
		19.01.15	14.26	31.01.15	23.59	Compressor stalled detected. STG-I Simultaneously tripped.

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
2	216	11.10.13	10.40	29.04.14	16.10	Stopped due to low demand and high frequency
		29.04.14	16.37	29.04.14	17.52	Closure of gas valve
		08.05.14	18.55	22.05.14	15.59	Stopped due to low demand and high frequency
		23.05.14	18.26	04.06.14	14.18	
		12.06.14	16.56	18.06.14	18.34	Turbine compartment vent fan pressure switch malfunctioned backing down after wards due to low demand
		23.06.14	05.11	27.06.14	18.58	Purge valve 20 PG-2 misbehaviour, I-P Convertor found misbehaving trip, thereafter shutdown due to low demand and high frequency
		11.07.14	17.05	12.07.14	06.50	Stopped due to low demand and high frequency
		17.07.14	22.16	19.08.14	14.10	
		23.08.14	12.45	23.08.14	14.48	HGTMCC Supply failure
		31.08.14	14.55	31.08.14	23.59	Stopped due to low demand and high frequency
		15.09.14	14.40	15.09.14	15.42	Tripped due to surge capacitor failure.
		19.12.14	11.55	19.12.14	14.40	Unit tripped on group protection relay and simultaneously STG #1 tripped
		28.12.14	05.49	31.12.14	23.59	Unit tripped on air diffl. Pr. High and simultaneously STG #1 tripped
		19.01.15	16.51	19.01.15	18.34	Unit tripped on high exhaust temp. spread.

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
3	216	28.10.13	00.00	31.01.15	23:59	Commissioned on 28.10.13 and Stopped due to low demand and high frequency

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
4	216	27.02.14	00.00	31.01.15	23:59	Commissioned on 27.02.14 and Stopped due to low demand and high frequency

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG-1	254	11.10.13	10.50	23.05.14	00.30	Stopped due to low demand and high frequency
		23.05.14	18.28	04.06.14	14.18	
		12.06.14	17.13	12.06.14	18.03	LP drum level high
		13.06.14	09.20	16.06.14	21.21	Stopped due to low demand and high frequency
		23.06.14	05.11	23.6.14	12.18	
		12.07.14	15.00	15.07.14	23.59	
		17.07.14	22.18	21.07.14	08.43	
		06.08.14	12.49	06.08.14	14.25	HRSG trip due to BFP Trip
		09.08.14	00.19	09.08.14	05.05	G.T. Trip
		09.08.14	18.59	10.08.14	00.08	
		10.08.14	10.30	11.08.14	09.03	
		03.09.14	17.32	04.09.14	03.51	STG tripped concequent to GT#1
		11.11.14	06.01	11.11.14	08.54	Machine tripped consequent to tripping of GT #1
		19.12.14	11.55	19.12.14	17.15	STG tripped concequent to GT #2
		28.12.14	05.51	28.12.14	11.14	STG tripped consequent to tripping of GT. -2
		19.01.15	14.27	19.01.15	22.05	Unit tripped alongwith tripping of G.T. Unit ï I

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG-2	254	27.03.14	00.00	31.12.14	23:59	Commissioned on 27.03.14 and Stopped due to low demand and high frequency
		27.01.15	16.27	27.01.15	18.05	Unit triped on Generator electrical fault

(F) RITHALA POWER STATION

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	31.8	19.03.13	17:32	31.01.15	23:59	Stopped due to low demand and high frequency

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
2	31.8	07.06.13	22:41	31.01.15	23:59	Stopped due to low demand and high frequency

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG	31.8	07.06.13	22:38	31.01.15	23:59	Stopped due to low demand and high frequency

4 ALLOCATION OF POWER TO DELHI

A) Allocation of power to Delhi from Unallocated quota of Central Sector Generating Stations to Delhi w.e.f. 27.03.2014

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

Name of the Stn	Installed capacity	Total Un-allocated	Basic Allocation	Basic Allocation at periphery	Allocation out of Unallocated Quota	Allocation out of Un-allocation Quota at Delhi periphery	Total allocation at Delhi periphery
1	2	3	4	5	6	7	(8)=(5)+(7)
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
TOTAL	**9782**	**1302**	**2306**	**2016**	**0**	**0**	**2016**
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	180	0	24	23	0	0	23
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	390	50	50	47	0	0	47
TOTAL	**3875**	**256**	**454**	**431**	**0**	**0**	**431**
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	**17437**	**1974**	**3147**	**2807**	**0**	**0**	**2807**
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	377	338	0	0	338
Ultra Mega Projects							
Sasan	1320	0	149	128	0	0	128
Grand Total	**26217**	**2241**	**3933**	**3491**	**0**	**0**	**3491**

B) Allocation of power to Delhi from Unallocated quota of Central Sector Generating Stations to Delhi w.e.f. 18.06.2014

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

Name of the Stn	Installed capacity	Total Un-allocated	Basic Allocation	Basic Allocation at periphery	Allocation out of Unallocated Quota	Allocation out of Un-allocation Quota at Delhi periphery	Total allocation at Delhi periphery
1	**2**	**3**	**4**	**5**	**6**	**7**	**(8)=(5)+(7)**
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
TOTAL	**9782**	**1302**	**2306**	**2016**	**0**	**0**	**2016**
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	180	0	24	23	0	0	23
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	**4005**	**272**	**471**	**447**	**0**	**0**	**447**
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	**17567**	**1990**	**3164**	**2823**	**0**	**0**	**2823**
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	52	47	0	0	47
Ultra Mega Projects							
Sasan	1320	0	149	128	0	0	128
Grand Total	**26347**	**2257**	**3625**	**3215**	**0**	**0**	**3215**

C) Allocation of power to Delhi from Unallocated quota of Central Sector Generating Stations to Delhi w.e.f. 21.06.2014

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

Name of the Stn	Installed capacity	Total Un-allocated	Basic Allocation	Basic Allocation at periphery	Allocation out of Unallocated Quota	Allocation out of Un-allocation Quota at Delhi periphery	Total allocation at Delhi periphery
1	2	3	4	5	6	7	(8)=(5)+(7)
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
TOTAL	**9782**	**1302**	**2306**	**2016**	**0**	**0**	**2016**
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	180	0	24	23	0	0	23
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	**4005**	**272**	**471**	**447**	**0**	**0**	**447**
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	**17567**	**1990**	**3164**	**2823**	**0**	**0**	**2823**
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	2640	0	297	255	0	0	255
Grand Total	**27667**	**2257**	**3721**	**3296**	**0**	**0**	**3296**

D) Allocation of power to Delhi from Unallocated quota of Central Sector Generating Stations to Delhi w.e.f. 10.09.2014

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

Name of the Stn	Installed capacity	Total Un-allocated	Basic Allocation	Basic Allocation at periphery	Allocation out of Unallocated Quota	Allocation out of Un-allocation Quota at Delhi periphery	Total allocation at Delhi periphery
1	**2**	**3**	**4**	**5**	**6**	**7**	**(8)=(5)+(7)**
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	180	0	24	23	0	0	23
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	**4005**	**272**	**471**	**447**	**0**	**0**	**447**
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	**17567**	**1990**	**2984**	**2667**	**0**	**0**	**2667**
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	2640	0	297	255	0	0	255
Grand Total	**27667**	**2257**	**3541**	**3140**	**0**	**0**	**3140**

E) Allocation of power to Delhi from Unallocated quota of Central Sector Generating Stations to Delhi w.e.f. 14.11.2014

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

Name of the Stn	Installed capacity	Total Un-allocated	Basic Allocation	Basic Allocation at periphery	Allocation out of Unallocated Quota	Allocation out of Un-allocation Quota at Delhi periphery	Total allocation at Delhi periphery
1	**2**	**3**	**4**	**5**	**6**	**7**	**(8)=(5)+(7)**
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	474	412	0	0	412
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**	**1865**	**1633**	**0**	**0**	**1633**
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**	**2731**	**2448**	**0**	**0**	**2448**
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	2640	0	297	255	0	0	255
Grand Total	**27727**	**2257**	**3288**	**2921**	**0**	**0**	**2921**

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 JANUARY 2015

All figures in MW

Date	Time of peak demand	Generation within Delhi								Import from the Grid	Schedule from the Grid	OD(-) / UD(+)	Demand met	Shedding	Un-Restricted Demand
		RPH	GT	PPCL	Rithala	Bawana	Towmcl	BTPS	Total						
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)		(9)= (3) to (8)	(10)	(11)	(12)= (11) - (10)	(13)= (11)+ (12)	(14)	(15)= (13)+ (14)
1	10.33.22	0	80	302	0	307	7	371	1067	3046	2899	147	4113	1	4114
2	11.23.36	0	81	274	0	292	8	333	988	2780	2600	180	3768	0	3768
3	10.02.09	39	81	274	0	283	9	397	1083	2752	2761	-9	3835	0	3835
4	10.28.51	31	81	277	0	293	7	333	1022	2656	2509	147	3678	0	3678
5	10.00.33	38	81	278	0	295	4	381	1077	2897	2889	8	3974	0	3974
6	10.02.03	37	84	293	0	301	0	393	1108	2868	2787	81	3976	0	3976
7	10.18.58	40	84	292	0	330	0	391	1137	3028	2878	150	4165	5	4170
8	10.44.02	42	85	300	0	600	0	386	1413	2772	2659	113	4185	0	4185
9	10.22.23	44	83	285	0	575	0	384	1371	3040	2871	169	4405	44	4449
10	10.09.00	41	84	284	0	330	0	388	1127	3016	2926	90	4143	0	4143
11	10.21.03	36	83	314	0	325	3	400	1161	2795	2660	135	3956	0	3956
12	09.56.51	39	162	99	0	327	3	362	992	3099	2965	134	4091	0	4091
13	10.03.58	42	164	-2	0	329	3	355	891	3160	3241	-81	4051	0	4051
14	10.03.49	39	160	-1	0	315	2	401	916	3271	3272	-1	4187	0	4187
15	10.02.05	40	163	-1	0	307	4	397	910	3181	3239	-58	4091	0	4091
16	10.05.10	41	161	0	0	319	3	401	925	3305	3256	49	4230	0	4230
17	10.37.48	38	162	0	-1	373	3	393	968	3041	3965	-924	3959	0	3959
18	10.28.00	41	160	0	0	324	10	333	868	2983	2978	5	3851	0	3851
19	10.25.00	46	161	41	0	306	11	390	955	3002	3101	-99	3967	0	3967
20	10.02.39	38	160	158	0	270	15	318	959	2983	3046	-63	3942	0	3942
21	10.47.19	39	157	159	0	314	16	340	1025	3073	2912	161	4098	0	4098
22	13:55:12	42	151	152	0	293	14	337	989	2887	2728	159	3876	0	3876
23	10.33.17	40	159	151	0	221	8	366	945	3158	3056	102	4103	10	4113
24	10.23.33	37	159	159	0	79	8	186	628	3327	3149	178	3955	0	3955
25	11.00.00	0	161	160	0	255	0	176	752	2941	2982	-41	3693	5	3698
26	09.37.00	0	163	164	0	293	14	185	819	2359	2381	-22	3177	0	3177
27	10.02.55	-3	121	291	0	323	16	191	939	2934	3022	-88	3863	3	3866
28	09.47.49	40	164	326	0	23	11	189	753	3148	3227	-79	3901	0	3901
29	09.42.10	40	122	310	0	295	13	182	962	2818	2944	-126	3780	0	3780
30	09.55.39	41	122	312	0	331	16	184	1006	3016	3103	-87	4022	0	4022
31	10.00.26	38	121	305	0	295	16	168	943	2866	2849	17	**3808**	0	3808

7 POWER AVAILABILITY- DEMAND POSITION AT THE TIME OF MAXIMUM UNRESTRICTED DEMAND DURING JANUARY 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	10.33.22	0	80	302	0	307	7	371	1067	3046	2899	147	4113	1	4114
2	11.23.36	0	81	274	0	292	8	333	988	2780	2600	180	3768	0	3768
3	10.02.09	39	81	274	0	283	9	397	1083	2752	2761	-9	3835	0	3835
4	10.28.51	31	81	277	0	293	7	333	1022	2656	2509	147	3678	0	3678
5	10.00.33	38	81	278	0	295	4	381	1077	2897	2889	8	3974	0	3974
6	10.02.03	37	84	293	0	301	0	393	1108	2868	2787	81	3976	0	3976
7	10.18.58	40	84	292	0	330	0	391	1137	3028	2878	150	4165	5	4170
8	10.44.02	42	85	300	0	600	0	386	1413	2772	2659	113	4185	0	4185
9	10.22.23	44	83	285	0	575	0	384	1371	3040	2871	169	4405	44	4449
10	10.09.00	41	84	284	0	330	0	388	1127	3016	2926	90	4143	0	4143
11	10.21.03	36	83	314	0	325	3	400	1161	2795	2660	135	3956	0	3956
12	09.56.51	39	162	99	0	327	3	362	992	3099	2965	134	4091	0	4091
13	10.03.58	42	164	-2	0	329	3	355	891	3160	3241	-81	4051	0	4051
14	10.03.49	39	160	-1	0	315	2	401	916	3271	3272	-1	4187	0	4187
15	10.02.05	40	163	-1	0	307	4	397	910	3181	3239	-58	4091	0	4091
16	10.05.10	41	161	0	0	319	3	401	925	3305	3256	49	4230	0	4230
17	10.37.48	38	162	0	-1	373	3	393	968	3041	3965	-924	3959	0	3959
18	10.28.00	41	160	0	0	324	10	333	868	2983	2978	5	3851	0	3851
19	10.25.00	46	161	41	0	306	11	390	955	3002	3101	-99	3967	0	3967
20	10.02.39	38	160	158	0	270	15	318	959	2983	3046	-63	3942	0	3942
21	10.47.19	39	157	159	0	314	16	340	1025	3073	2912	161	4098	0	4098
22	13:55:12	42	151	152	0	293	14	337	989	2887	2728	159	3876	0	3876
23	10.33.17	40	159	151	0	221	8	366	945	3158	3056	102	4103	10	4113
24	10.23.33	37	159	159	0	79	8	186	628	3327	3149	178	3955	0	3955
25	11.00.00	0	161	160	0	255	0	176	752	2941	2982	-41	3693	5	3698
26	09.37.00	0	163	164	0	293	14	185	819	2359	2381	-22	3177	0	3177
27	10.02.55	-3	121	291	0	323	16	191	939	2934	3022	-88	3863	3	3866
28	09.47.49	40	164	326	0	23	11	189	753	3148	3227	-79	3901	0	3901
29	09.42.10	40	122	310	0	295	13	182	962	2818	2944	-126	3780	0	3780
30	09.55.39	41	122	312	0	331	16	184	1006	3016	3103	-87	4022	0	4022
31	10.00.26	38	121	305	0	295	16	168	943	2866	2849	17	**3808**	0	3808

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

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

A (i) RPH	29.290
(ii) GT+STG	96.614
(iii) PRAGATI	139.654
(iv) RITHALA	0.000
(v) BAWANA CCGT	229.301
(vi) Timarpur ï Okhla	7.699
TOTAL	502.558
B) AVAILABILITY FROM BTPS	221.064
C) AUXILIARY CONSUMPTION OF GENERATING STNs. EXCLUDING BTPS	20.725
D) NET GENERATION AVAILABLE WITHIN DELHI(A+B-C)	**702.897**

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	1.395	1.323	1.395	1.323
SALAL	7.813	7.405	7.813	7.405
SASAN	112.712	106.771	111.615	105.733
TANKAPUR	2.333	2.210	2.333	2.210
CHAMERA	4.041	3.832	4.041	3.832
CHAMERA -II	4.103	3.889	4.103	3.889
CHAMERA -III	2.045	1.938	2.045	1.938
DHAULIGANGA	3.740	3.544	3.740	3.544
SEWA -2	1.350	1.280	1.350	1.280
URI	7.915	7.501	7.915	7.501
URI-II	0.000	0.000	0.000	0.000
KOTESHWAR	9.089	8.615	9.089	8.615
PARBATI3	0.000	0.000	0.000	0.000
RAMPUR	0.000	0.000	0.000	0.000
MUNDRA_UMPP	0.000	0.000	0.000	0.000
ANTA (GAS)	26.374	25.000	15.850	15.024
ANTA (RLNG)	6.757	6.401	0.034	0.032
ANTA (LIQUID)	0.000	0.000	0.000	0.000
DADRI (GAS)	38.536	36.523	14.632	13.873
DADRI (RLNG)	28.130	26.647	0.189	0.179
DADRI (LIQUID)	0.000	0.000	0.000	0.000
AURAIYA (GAS)	20.472	19.416	7.422	7.040
AURAIYA (RLNG)	32.421	30.704	0.228	0.216
AURAIYA (LIQUID)	0.049	0.047	0.000	0.000
SINGRAULI	86.055	81.589	82.581	78.296
RIHAND -I	57.454	54.470	51.634	48.955
RIHAND -II	86.246	81.735	78.332	74.237
RIHAND -III	90.203	85.483	82.413	78.102
UNCHAHAR-I	17.066	16.174	13.992	13.263
UNCHAHAR-II	32.753	31.046	27.139	25.727
UNCHAHAR-III	20.526	19.454	17.396	16.488
DADRI (TH)	373.687	354.272	285.748	270.890
DADRI (TH) STAGE-II	352.495	334.075	299.749	284.076
NAPP	29.943	28.382	29.943	28.382
RAPP 'B'	0.000	0.000	0.000	0.000
RAPP 'C'	19.113	18.118	19.113	18.118
NATHPA JHAKRI	18.004	17.062	13.431	12.728
DULASTI	10.005	9.481	10.005	9.481
TEHRI	26.381	25.004	26.381	25.004
JHAJJAR	0.000	0.000	0.000	0.000
KHELGAON	34.076	32.295	29.704	28.151
KHELGAON-II	106.409	100.839	100.291	95.033
FARAKA	15.316	14.516	14.076	13.339
TALA	1.593	1.508	1.593	1.508
TALCHER	0.000	0.000	0.000	0.000

NAME OF THE STATION	AVAILABILITY AT POWER PLANT	AVAILABILITY AT DELHI PERIPHERY	ALLOCATION MADE BY NRLDC AT POWER PLANT	ALLOCATION MADE BY NRLDC AT DELHI PERIPHERY
DVC	172.752	170.317	170.317	161.360
UTTAR PRADESH	26.163	25.440	25.440	24.128
TRIPUA	0.000	0.000	0.000	0.000
MAHARASHTRA	0.000	0.000	0.000	0.000
DVC CTPS (BRPL)	0.000	0.000	0.000	0.000
DVC CTPS (BYPL)	0.000	0.000	0.000	0.000
DVC CTPS (NDPL)	0.000	0.000	0.000	0.000
METHON POWER(NDPL)LT-06	184.844	182.251	182.251	172.731
DVC MEJIA (LT-08)(BYPL)	0.000	0.000	0.000	0.000
URS	0.000	0.000	0.000	0.000
JAMMU & KASHMIR	0.000	0.000	0.000	0.000
HIMACHAL PRADESH	0.000	0.000	0.000	0.000
PUNJAB	20.145	19.671	19.671	18.691
MADHYA PRADESH	0.000	0.000	0.000	0.000
HARYANA	6.295	6.147	6.147	5.841
DVC LT-9	0.000	0.000	0.000	0.000
HARYANA (LT-05)	37.906	36.980	36.980	35.084
WEST BENGAL	19.250	18.985	18.985	17.944
ORISSA	32.075	31.528	31.528	29.871
TO HARYANA	0.000	0.000	0.000	0.000
TO MEGHALAYA	0.000	0.000	0.000	0.000
TO UTTAR PRADESH	-56.162	-57.967	-57.967	-61.177
TO JAMMU & KASHMIR	-163.817	-168.534	-168.534	-177.819
TO KERALA	0.000	0.000	0.000	0.000
TO ASSAM	-5.031	-5.123	-5.123	-5.405
TO MADHYA PRADESH	-94.208	-95.826	-95.826	-101.111
TO JHARKHAND	-12.500	-12.644	-12.644	-13.341
TO RAJASTHAN	0.000	0.000	0.000	0.000
TO MAHARASHTRA	0.000	0.000	0.000	0.000
BTPS TO MP	0.000	0.000	0.000	0.000
TO HIMACHAL PRADESH	-84.818	-86.995	-86.995	-91.792
TO WEST BENGAL	0.000	0.000	0.000	0.000
POWER EXCHANGE(IEX)	138.021	130.795	138.021	130.795
TO POWER EXCHANGE (IEX)	-11.841	-12.504	-11.841	-12.504
POWRER EXCHANGE(PX)	0.153	0.146	0.153	0.146
TO POWER EXCHANGE (PX)	-12.006	-12.670	-12.006	-12.670
TO SHARE PROJECT (HARYANA)	-26.051	-27.490	-26.051	-27.490
TO SHARE PROJECT (PUNJAB)	-7.639	-8.058	-7.639	-8.058
TOTAL	**1850.137**	**1732.995**	**1522.183**	**1390.633**

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	1269.226	1203.035	977.339	926.397
NTPC - ER	155.802	147.650	144.070	136.523
NHPC	44.741	42.402	44.741	42.402
NPC	49.056	46.499	49.056	46.499
SASAN	112.712	106.771	111.615	105.733
KOTESHWAR	9.089	8.615	9.089	8.615
MUNDRA_UMPP	0.000	0.000	0.000	0.000
NATHPA JHAKRI	18.004	17.062	13.431	12.728
TEHRI	26.381	25.004	26.381	25.004
TALA	1.593	1.508	1.593	1.508
JHAJJAR	0.000	0.000	0.000	0.000
TALCHER	0.000	0.000	0.000	0.000
DVC	172.752	170.317	170.317	161.360
UTTAR PRADESH	26.163	25.440	25.440	24.128
TRIPURA	0.000	0.000	0.000	0.000
MAHARASHTRA	0.000	0.000	0.000	0.000
DVC CTPS (BRPL)	0.000	0.000	0.000	0.000
DVC CTPS (BYPL)	0.000	0.000	0.000	0.000
DVC CTPS (NDPL)	0.000	0.000	0.000	0.000
METHON POWER (NDPL)-LT-06	184.844	182.251	182.251	172.731
DVC MEJIA (LT-08)(BYPL)	0.000	0.000	0.000	0.000
URS	0.000	0.000	0.000	0.000
JAMMU & KASHMIR	0.000	0.000	0.000	0.000
HIMACHAL PRADESH	0.000	0.000	0.000	0.000
PUNJAB	20.145	19.671	19.671	18.691

MADHYA PRADESH(WR)	0.000	0.000	0.000	0.000
HARYANA	6.295	6.147	6.147	5.841
DVC (FOR NDPL) LT-09	0.000	0.000	0.000	0.000
HARYANA (LT -05)	37.906	36.980	36.980	35.084
WEST BENGAL	19.250	18.985	18.985	17.944
ORISSA	32.075	31.528	31.528	29.871
POWER EXCHANGE(IEX)	138.021	130.795	138.021	130.795
POWER EXCHANGE(PX)	0.153	0.146	0.153	0.146
TOTAL	**2324.209**	**2220.806**	**2006.807**	**1902.000**

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

NAME OF THE STATION	AVAILABILITY AT POWER PLANT	AVAILABILITY AT PERIPHERY	ALLOCATION MADE BY NRLDC AT POWER PLANT	ALLOCATION MADE BY NRLDC AT POWER PERIPHERY
TO HARYANA	0.000	0.000	0.000	0.000
TO MEGHALAYA	0.000	0.000	0.000	0.000
TO UTTAR PRADESH	-56.162	-57.967	-57.967	-61.177
TO JAMMU & KASHMIR	-163.817	-168.534	-168.534	-177.819
TO ASSAM	-5.031	-5.123	-5.123	-5.405
TO KERALA	0.000	0.000	0.000	0.000
TO MADHYA PRADESH	-94.208	-95.826	-95.826	-101.111
TO JHARKHAND	-12.500	-12.644	-12.644	-13.341
TO RAJASTHAN	0.000	0.000	0.000	0.000
TO MAHARASHTRA	0.000	0.000	0.000	0.000
BTPS TO MP	0.000	0.000	0.000	0.000
TO HIMACHAL PRADESH	-84.818	-86.995	-86.995	-91.792
TO WEST BENGAL	0.000	0.000	0.000	0.000
TO POWER EXCHANGE (IEX)	-11.841	-12.504	-11.841	-12.504
TO POWER EXCHANGE (PX)	-12.006	-12.670	-12.006	-12.670
TO SHARE PROJECT (HARYANA)	-26.051	-27.490	-26.051	-27.490
TO SHARE PROJECT (PUNJAB)	-7.639	-8.058	-7.639	-8.058
TOTAL	**-474.072**	**-487.810**	**-484.625**	**-511.367**
TOTAL SCHEDULED DRAWAL FROM THE GRID	**1850.137**	**1732.995**	**1522.183**	**1390.633**
TOTAL CONSUMPTION INCLUDING AUX. OF GENERATING STNs. EXCLUDING BTPS				2105.889
NET CONSUMPTION				**2085.164**
AVAILABILITY WITHIN DELHI				702.897
ACTUAL DRAWAL FROM THE GRID				1382.267
OVER DRAWAL(+)/UNDER DRAWAL(-) FROM THE GRID ON THE BASIS OF SCHEDULED ALLOCATION MADE BY NRLDC TO DELHI AT PERIPHERY				-8.366
LOAD SHEDDING				1.428
UNRESTRICTED DEMAND (GROSS)				2107.317
UNRESTRICTED DEMAND (NET)				2086.592
MAX. NET CONSUMPTION				72.763 ON 09.01.2015
MAX. LOAD SHEDDING				154MW ON 02.01.2015 AT 13.10HRS.
PEAK LOAD	Peak Demand during the month			SHEDDING AT PEAK TIME
DAY PEAK	4405MW AT 10.22.23HRS ON 09.01.2015			44 MW
EVENING PEAK	3693MW AT 18.30HRS ON 09.01.2015			0 MW
P.L.F. OF GENCO AND PRAGATI STNs.	RPH GT PRAGATI RITHALA BAWANA Timarpur Okhla			29.16% 48.10% 56.88% 0.00% 22.48% 64.68%

9 SHEDDING DETAILS DURING THE MONTH OF JANUARY 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
		BYPL	BRPL				BYPL	BRPL		
1	2	3	4	5	6	7=3 to 6	8	9	10	11
01-Jan.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
02-Jan.15	0	0.000	0.000	0.000	0.000	**0.000**	0.014	0.173	0.000	0.000
03-Jan.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
04-Jan.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
05-Jan.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
06-Jan.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
07-Jan.15	1	0.005	0.000	0.000	0.000	**0.005**	0.053	0.110	0.012	0.000
08-Jan.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.005	0.000
09-Jan.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.054	0.000	0.000
10-Jan.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
11-Jan.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
12-Jan.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
13-Jan.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
14-Jan.15	0	0.000	0.000	0.000	0.000	**0.000**	0.006	0.000	0.005	0.000
15-Jan.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
16-Jan.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
17-Jan.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.018	0.000
18-Jan.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
19-Jan.15	0	0.000	0.000	0.000	0.000	**0.000**	0.048	0.029	0.000	0.000
20-Jan.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
21-Jan.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.008	0.000	0.000
22-Jan.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.015	0.007	0.000
23-Jan.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
24-Jan.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.022	0.000	0.000
25-Jan.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
26-Jan.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
27-Jan.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
28-Jan.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
29-Jan.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
30-Jan.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
31-Jan.15	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
TOTAL	**1**	**0.005**	**0.000**	**0.000**	**0.000**	**0.005**	**0.121**	**0.411**	**0.047**	**0.000**

ALL FIGURES IN MUs

Date	Shedding due to Transmission/Grid Constraints in Central Sector Stations / TTC / ATC VOILATION				TOTAL	TOTAL SHEDDING DUE TO GRID RESTRICTIONS	Due to T&D Constraints				
							DTL				
	BSES		NDPL	NDMC			BSES		NDPL	NDMC	MES
	BYPL	BRPL					BYPL	BRPL			
	12	13	14	15	16=8to15	17=16+7	18	19	20	21	22
01-Jan.15	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
02-Jan.15	0.000	0.000	0.000	0.000	**0.187**	**0.187**	0.000	0.000	0.000	0.000	0.000
03-Jan.15	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.007	0.000	0.000	0.000
04-Jan.15	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
05-Jan.15	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
06-Jan.15	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.002	0.000	0.000
07-Jan.15	0.000	0.000	0.000	0.000	**0.175**	**0.180**	0.000	0.000	0.000	0.000	0.000
08-Jan.15	0.000	0.000	0.000	0.000	**0.005**	**0.005**	0.000	0.000	0.007	0.000	0.000
09-Jan.15	0.000	0.000	0.000	0.000	**0.054**	**0.054**	0.000	0.000	0.000	0.000	0.000
10-Jan.15	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
11-Jan.15	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.001	0.000	0.000
12-Jan.15	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
13-Jan.15	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
14-Jan.15	0.000	0.000	0.000	0.000	**0.011**	**0.011**	0.000	0.000	0.000	0.000	0.000
15-Jan.15	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
16-Jan.15	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
17-Jan.15	0.000	0.000	0.000	0.000	**0.018**	**0.018**	0.000	0.000	0.000	0.000	0.000
18-Jan.15	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
19-Jan.15	0.000	0.000	0.000	0.000	**0.077**	**0.077**	0.000	0.000	0.002	0.000	0.000
20-Jan.15	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
21-Jan.15	0.000	0.000	0.000	0.000	**0.008**	**0.008**	0.000	0.000	0.000	0.000	0.000
22-Jan.15	0.000	0.000	0.000	0.000	**0.022**	**0.022**	0.000	0.000	0.000	0.000	0.000
23-Jan.15	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.039	0.000	0.000	0.000
24-Jan.15	0.000	0.000	0.000	0.000	**0.022**	**0.022**	0.000	0.000	0.000	0.000	0.000
25-Jan.15	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.003	0.000	0.000	0.000	0.000
26-Jan.15	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
27-Jan.15	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.002	0.020	0.000	0.000	0.000
28-Jan.15	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
29-Jan.15	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
30-Jan.15	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
31-Jan.15	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**	**0.579**	**0.584**	**0.005**	**0.066**	**0.012**	**0.000**	**0.000**

ALL FIGURES IN MUs

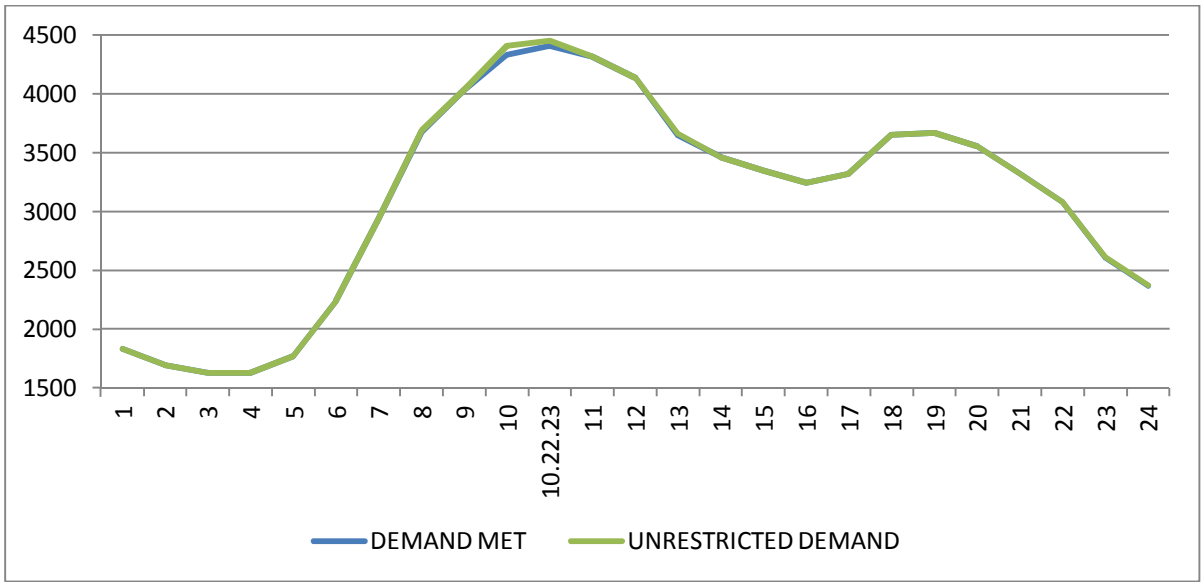
DATE	DUE TO T&D CONTRAINTS				OTHER AGENCIES LIKE GENCO, BBMB, BTPS ETC.	THEFT PRONE SHEDDING			TOTAL SHEDDING DUE TO T&D CONSTS. & THEFT PRONE	GRAND TOTAL
	DISCOMS									
	BSES		NDPL	NDMC		BSES		NDPL		
	BYPL	BRPL				BYPL	BRPL			
1	23	24	25		26	27	28	29	30=18 to29	31=30+17
01-Jan.15	0.017	0.040	0.000	0.000	0.000	0.000	0.000	0.011	**0.068**	**0.068**
02-Jan.15	0.006	0.005	0.000	0.000	0.000	0.000	0.000	0.002	**0.013**	**0.200**
03-Jan.15	0.002	0.000	0.000	0.000	0.000	0.000	0.000	0.003	**0.012**	**0.012**
04-Jan.15	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.003	**0.004**	**0.004**
05-Jan.15	0.002	0.006	0.003	0.000	0.000	0.000	0.000	0.008	**0.019**	**0.019**
06-Jan.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.004	**0.006**	**0.006**
07-Jan.15	0.006	0.004	0.000	0.000	0.000	0.000	0.000	0.028	**0.038**	**0.218**
08-Jan.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.025	**0.032**	**0.037**
09-Jan.15	0.000	0.000	0.002	0.000	0.000	0.000	0.000	0.018	**0.020**	**0.074**
10-Jan.15	0.003	0.000	0.011	0.000	0.000	0.000	0.000	0.002	**0.016**	**0.016**
11-Jan.15	0.013	0.032	0.000	0.000	0.000	0.000	0.000	0.022	**0.068**	**0.068**
12-Jan.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	**0.020**	**0.020**
13-Jan.15	0.005	0.016	0.000	0.000	0.000	0.000	0.000	0.002	**0.023**	**0.023**
14-Jan.15	0.007	0.005	0.000	0.000	0.000	0.000	0.000	0.005	**0.017**	**0.028**
15-Jan.15	0.000	0.021	0.000	0.000	0.000	0.000	0.000	0.011	**0.032**	**0.032**
16-Jan.15	0.004	0.003	0.000	0.000	0.000	0.000	0.000	0.034	**0.041**	**0.041**
17-Jan.15	0.003	0.013	0.006	0.000	0.000	0.000	0.000	0.002	**0.024**	**0.042**
18-Jan.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.014	**0.014**	**0.014**
19-Jan.15	0.000	0.014	0.000	0.000	0.000	0.000	0.000	0.008	**0.024**	**0.101**
20-Jan.15	0.000	0.012	0.002	0.000	0.016	0.000	0.000	0.029	**0.059**	**0.059**
21-Jan.15	0.006	0.005	0.000	0.000	0.000	0.000	0.000	0.008	**0.019**	**0.027**
22-Jan.15	0.003	0.014	0.000	0.000	0.000	0.000	0.000	0.011	**0.028**	**0.050**
23-Jan.15	0.032	0.011	0.000	0.000	0.000	0.000	0.000	0.023	**0.105**	**0.105**
24-Jan.15	0.000	0.004	0.000	0.000	0.000	0.000	0.000	0.009	**0.013**	**0.035**
25-Jan.15	0.000	0.018	0.000	0.000	0.000	0.000	0.000	0.004	**0.025**	**0.025**
26-Jan.15	0.003	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.003**	**0.003**
27-Jan.15	0.000	0.009	0.000	0.000	0.000	0.000	0.000	0.001	**0.032**	**0.032**
28-Jan.15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.019	**0.019**	**0.019**
29-Jan.15	0.004	0.000	0.002	0.000	0.000	0.000	0.000	0.003	**0.009**	**0.009**
30-Jan.15	0.000	0.000	0.012	0.010	0.000	0.000	0.000	0.009	**0.031**	**0.031**
31-Jan.15	0.000	0.007	0.000	0.000	0.000	0.000	0.000	0.003	**0.010**	**0.010**
TOTAL	**0.116**	**0.239**	**0.039**	**0.010**	**0.000**	**0.000**	**0.000**	**0.341**	**0.844**	**1.428**

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-Jan.15	68.257	**4113**	10:33:22	1	**4114**	**4114**	10:33:22	**4113**	1
02-Jan.15	65.798	**3768**	11:23:36	0	**3768**	**3768**	11:23:36	**3768**	0
03-Jan.15	65.575	**3835**	10:02:09	0	**3835**	**3835**	10:02:09	**3835**	0
04-Jan.15	61.422	**3678**	10:28:51	0	**3678**	**3678**	10:28:51	**3678**	0
05-Jan.15	65.867	**3974**	10:00:33	0	**3974**	**3974**	10:00:33	**3974**	0
06-Jan.15	66.891	**3976**	10:02:03	0	**3976**	**3976**	10:02:03	**3976**	0
07-Jan.15	69.990	**4165**	10:18:58	5	**4170**	**4170**	10:18:58	**4165**	5
08-Jan.15	71.052	**4185**	10:55:02	0	**4185**	**4185**	10:55:02	**4185**	0
09-Jan.15	72.763	**4405**	10:22:23	44	**4449**	**4449**	10:22:23	**4405**	44
10-Jan.15	67.664	**4143**	10:09	0	**4143**	**4143**	10:09	**4143**	0
11-Jan.15	65.855	**3956**	10:21:03	0	**3956**	**3956**	10:21:03	**3956**	0
12-Jan.15	70.517	**4091**	09:56:51	0	**4091**	**4091**	09:56:51	**4091**	0
13-Jan.15	71.049	**4051**	10:03:58	0	**4051**	**4051**	10:03:58	**4051**	0
14-Jan.15	71.806	**4187**	10:03:49	0	**4187**	**4187**	10:03:49	**4187**	0
15-Jan.15	71.413	**4091**	10:02:05	0	**4091**	**4091**	10:02:05	**4091**	0
16-Jan.15	70.284	**4230**	10:05:10	0	**4230**	**4230**	10:05:10	**4230**	0
17-Jan.15	66.580	**3959**	10:37:48	0	**3959**	**3959**	10:37:48	**3959**	0
18-Jan.15	63.185	**3851**	10:28	0	**3851**	**3851**	10:28	**3851**	0
19-Jan.15	67.181	**3957**	10:26	0	**3957**	**3957**	10:26	**3957**	0
20-Jan.15	67.356	**3942**	10:02:39	0	**3942**	**3942**	10:02:39	**3942**	0
21-Jan.15	69.412	**4098**	10:47:19	0	**4098**	**4098**	10:47:19	**4098**	0
22-Jan.15	69.475	**3876**	10:58	0	**3876**	**3876**	10:58	**3876**	0
23-Jan.15	69.118	**4103**	10:33:17	10	**4113**	**4113**	10:33:17	**4103**	10
24-Jan.15	66.833	**3955**	10:23:33	0	**3955**	**3955**	10:23:33	**3955**	0
25-Jan.15	60.035	**3693**	11:00	5	**3698**	**3698**	11:00	**3693**	5
26-Jan.15	56.000	**3177**	09:37	0	**3177**	**3177**	09:37	**3177**	0
27-Jan.15	65.096	**3863**	10:02:55	3	**3866**	**3866**	10:02:55	**3863**	3
28-Jan.15	68.678	**3901**	09:47:49	0	**3901**	**3901**	09:47:49	**3901**	0
29-Jan.15	66.345	**3780**	09:42:10	0	**3780**	**3780**	09:42:10	**3780**	0
30-Jan.15	69.007	**4022**	09:55:39	0	**4022**	**4022**	09:55:39	**4022**	0
31-Jan.15	64.660	**3808**	10:00:26	0	**3808**	**3808**	10:00:26	**3808**	0
TOTAL	**2085.164**	**4405** 09.01.15	10:22:23	44	**4449** 09.01.15	**4449**	10:22:23	**4405**	44

10 LOAD PATTERN OF DELHI ON THE DAY OF PEAK DEMAND MET DURING JANUARY 2015 ON 09.01.2015- 4405MW AT 10.22.23HRS.

All figures in MW

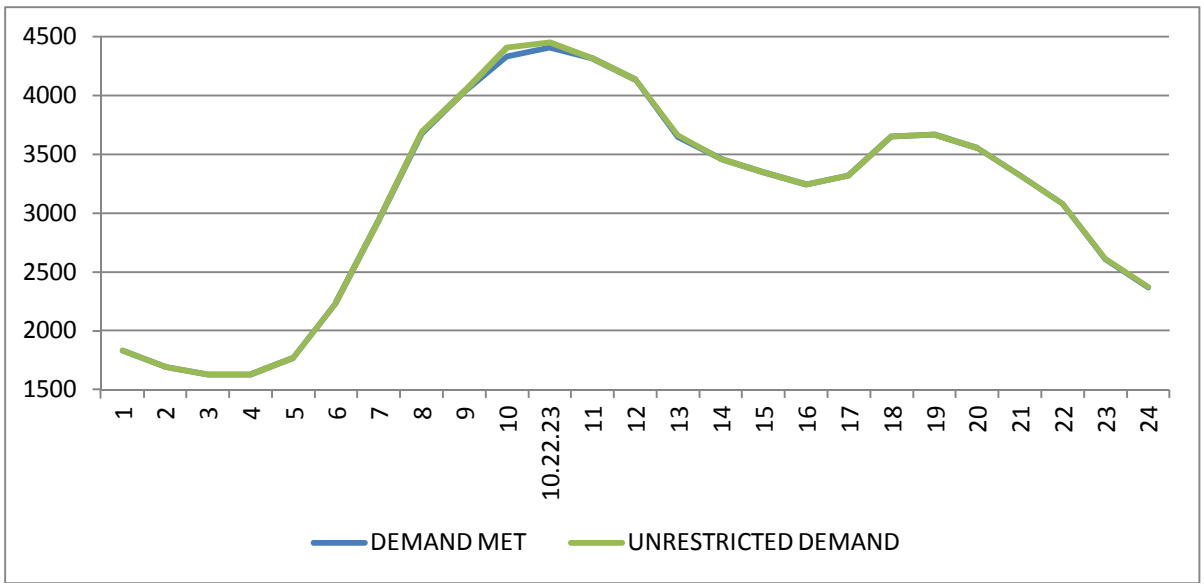
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	1831	0	1831
2.00	1696	0	1696
3.00	1629	0	1629
4.00	1631	0	1631
5.00	1770	0	1770
6.00	2237	0	2237
7.00	2937	0	2937
8.00	3679	10	3689
9.00	4034	0	4034
10.00	4331	75	4406
10.22.23	4405	44	4449
11.00	4312	0	4312
12.00	4134	0	4134
13.00	3647	17	3664
14.00	3461	0	3461
15.00	3347	0	3347
16.00	3244	0	3244
17.00	3318	0	3318
18.00	3651	0	3651
19.00	3666	0	3666
20.00	3554	0	3554
21.00	3318	0	3318
22.00	3079	0	3079
23.00	2608	3	2611
24.00	2371	3	2374
Total (IN MUS)	**72.763**	**0.074**	**72.837**



11 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UN-RESTRICTED DEMAND DURING JANUARY 2015 ON 09.01.2015- 4449MW AT 10.22.23HRS.

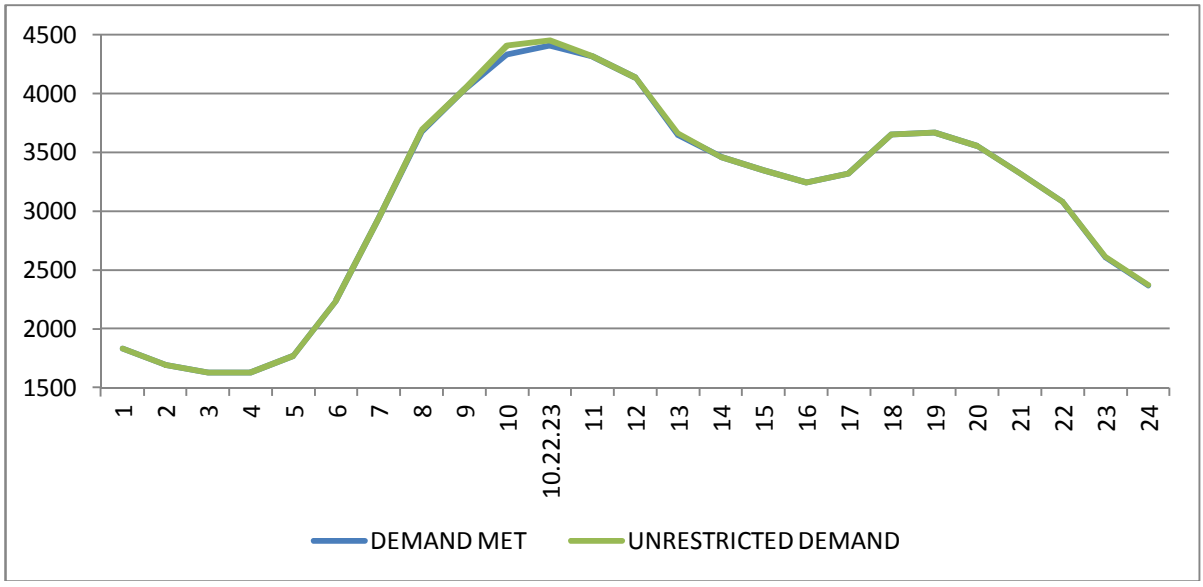
All figures in MW

Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	1831	0	1831
2.00	1696	0	1696
3.00	1629	0	1629
4.00	1631	0	1631
5.00	1770	0	1770
6.00	2237	0	2237
7.00	2937	0	2937
8.00	3679	10	3689
9.00	4034	0	4034
10.00	4331	75	4406
10.22.23	4405	44	4449
11.00	4312	0	4312
12.00	4134	0	4134
13.00	3647	17	3664
14.00	3461	0	3461
15.00	3347	0	3347
16.00	3244	0	3244
17.00	3318	0	3318
18.00	3651	0	3651
19.00	3666	0	3666
20.00	3554	0	3554
21.00	3318	0	3318
22.00	3079	0	3079
23.00	2608	3	2611
24.00	2371	3	2374
Total (IN MUS)	**72.763**	**0.074**	**72.837**



12 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM ENERGY CONSUMED DURING JANUARY 2015 – 09.01.2015 – 72.763Mus All figures in MW

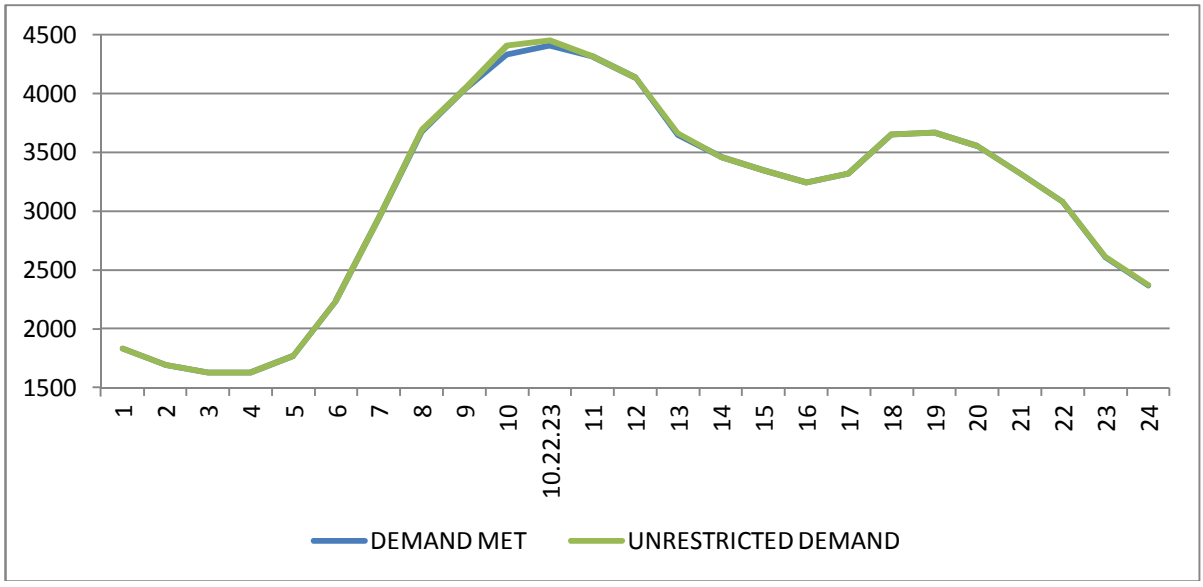
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	1831	0	1831
2.00	1696	0	1696
3.00	1629	0	1629
4.00	1631	0	1631
5.00	1770	0	1770
6.00	2237	0	2237
7.00	2937	0	2937
8.00	3679	10	3689
9.00	4034	0	4034
10.00	4331	75	4406
10.22.23	4405	44	4449
11.00	4312	0	4312
12.00	4134	0	4134
13.00	3647	17	3664
14.00	3461	0	3461
15.00	3347	0	3347
16.00	3244	0	3244
17.00	3318	0	3318
18.00	3651	0	3651
19.00	3666	0	3666
20.00	3554	0	3554
21.00	3318	0	3318
22.00	3079	0	3079
23.00	2608	3	2611
24.00	2371	3	2374
Total (IN MUS)	**72.763**	**0.074**	**72.837**



13 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UNRESTRICTED ENERGY DEMAND DURING JANUARY 2015 – 09.01.2015 – 72.837 Mus

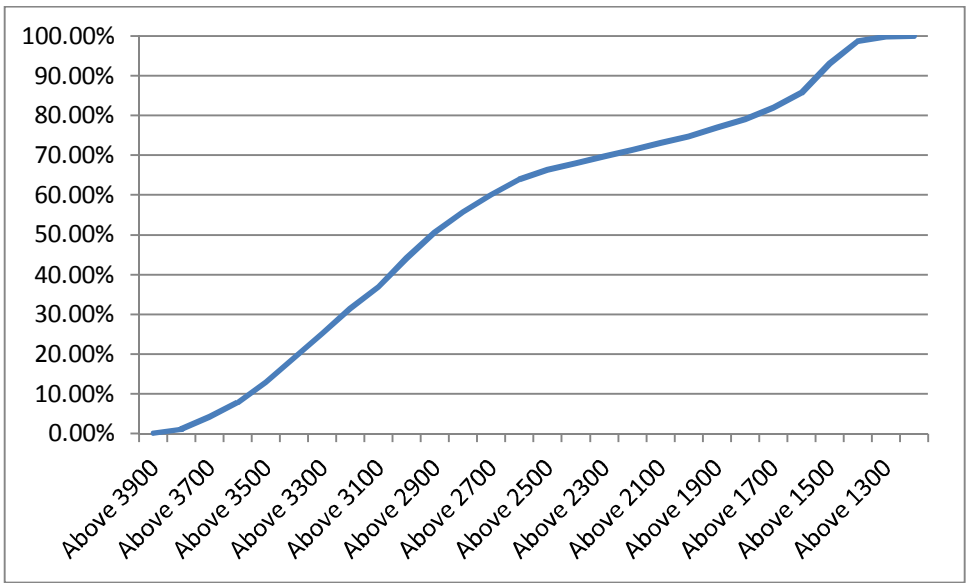
All figures in MW

Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	1831	0	1831
2.00	1696	0	1696
3.00	1629	0	1629
4.00	1631	0	1631
5.00	1770	0	1770
6.00	2237	0	2237
7.00	2937	0	2937
8.00	3679	10	3689
9.00	4034	0	4034
10.00	4331	75	4406
10.22.23	4405	44	4449
11.00	4312	0	4312
12.00	4134	0	4134
13.00	3647	17	3664
14.00	3461	0	3461
15.00	3347	0	3347
16.00	3244	0	3244
17.00	3318	0	3318
18.00	3651	0	3651
19.00	3666	0	3666
20.00	3554	0	3554
21.00	3318	0	3318
22.00	3079	0	3079
23.00	2608	3	2611
24.00	2371	3	2374
Total (IN MUS)	**72.763**	**0.074**	**72.837**



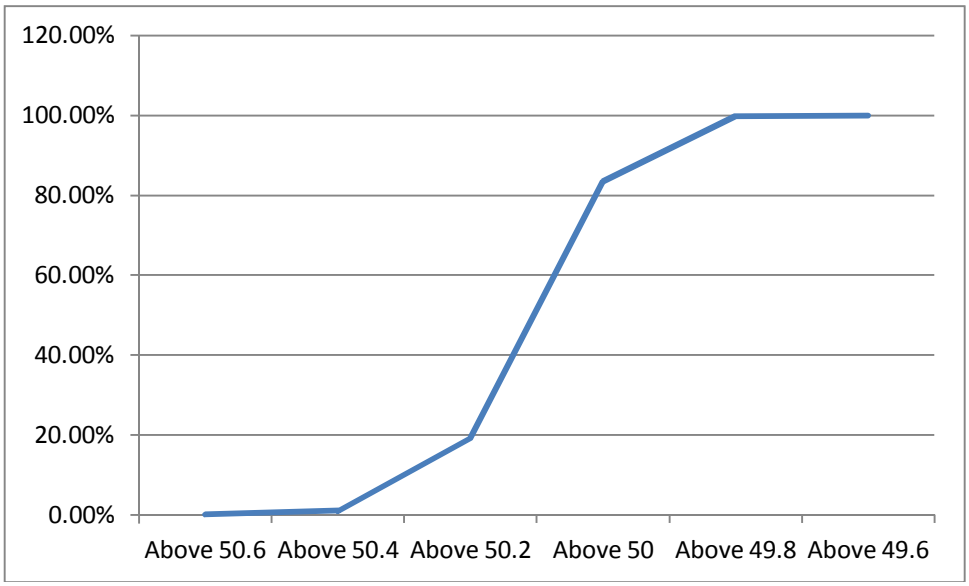
14 LOAD DURATION CURVE FOR JANUARY 2015

Load in MW	Percentage of Time
Above 3900	0.20%
Above 3800	1.14%
Above 3700	4.34%
Above 3600	7.86%
Above 3500	12.90%
Above 3400	19.02%
Above 3300	25.20%
Above 3200	31.42%
Above 3100	36.90%
Above 3000	44.12%
Above 2900	50.54%
Above 2800	55.81%
Above 2700	60.15%
Above 2600	63.98%
Above 2500	66.40%
Above 2400	67.91%
Above 2300	69.66%
Above 2200	71.27%
Above 2100	73.15%
Above 2000	74.77%
Above 1900	76.92%
Above 1800	79.13%
Above 1700	81.92%
Above 1600	85.59%
Above 1500	93.08%
Above 1400	98.69%
Above 1300	99.73%
Above 1200	100.00%



15 FREQUENCY ANALYSIS FOR THE MONTH OF JANUARY 2015

Frequency Range in Hz.	Percentage of time
Above 50.6	0.13%
Above 50.4	1.01%
Above 50.2	19.19%
Above 50	83.40%
Above 49.8	99.76%
Above 49.6	100.00%



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

All figures in kV

Date	NARELA		GAZIPUR	
	Max	Min	Max	Min
01-Jan.15	230.72	213.18	233.95	214.47
02-Jan.15	231.49	217.18	234.59	220.79
03-Jan.15	232.14	--	234.07	219.50
04-Jan.15	233.30	218.86	233.69	222.47
05-Jan.15	233.04	216.28	234.46	217.57
06-Jan.15	230.59	216.66	232.78	218.98
07-Jan.15	230.46	--	231.75	217.82
08-Jan.15	231.11	213.95	231.75	217.7
09-Jan.15	231.37	214.60	233.43	216.66
10-Jan.15	232.01	210.86	233.69	219.50
11-Jan.15	232.14	217.70	234.33	219.89
12-Jan.15	233.17	215.63	234.98	217.95
13-Jan.15	232.01	215.63	234.07	218.47
14-Jan.15	231.49	216.66	235.23	218.76
15-Jan.15	230.59	216.02	234.98	220.53
16-Jan.15	230.72	215.76	234.07	219.63
17-Jan.15	230.21	215.24	233.43	217.31
18-Jan.15	230.59	215.63	233.43	217.70
19-Jan.15	230.46	216.66	234.07	218.89
20-Jan.15	231.49	218.86	234.46	219.76
21-Jan.15	229.95	217.95	232.78	--
22-Jan.15	233.17	217.70	233.43	218.47
23-Jan.15	230.85	217.70	231.37	217.82
24-Jan.15	231.37	218.60	231.75	217.70
25-Jan.15	231.37	221.82	231.49	221.05
26-Jan.15	231.88	218.34	232.40	222.47
27-Jan.15	232.01	216.41	231.01	217.05
28-Jan.15	230.21	216.53	230.21	214.08
29-Jan.15	231.37	216.83	229.95	215.12
30-Jan.15	230.46	213.83	231.88	--
31-Jan.15	230.21	215.76	233.30	218.34

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

All figures in kV

Date	400kV Bamnauli Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01-Jan.15	420.20	03.04.59	387.61	09.59	406.95
02-Jan.15	420.43	01.15.32	396.28	07.42	407.36
03-Jan.15	420.43	00.03.04	394.64	10.44	408.59
04-Jan.15	418.09	03.55.18	397.92	11.51	408.76
05-Jan.15	419.73	03.02.51	392.06	10.23	406.58
06-Jan.15	416.21	01.10.26	394.58	12.18	405.88
07-Jan.15	415.04	03.23.38	395.11	18.49	404.76
08-Jan.15	413.63	03.01.52	390.19	10.40	402.97
09-Jan.15	415.98	02.55.14	389.01	10.40	404.04
10-Jan.15	416.68	02.06.06	392.76	10.08	404.32
11-Jan.15	415.98	03.02.09	391.59	09.40	406.58
12-Jan.15	418.09	03.01.52	392.30	10.37	404.24
13-Jan.15	415.98	03.02.26	390.89	10.21	4032.84
14-Jan.15	418.56	03.59.29	392.30	11.06	405.10
15-Jan.15	417.15	03.02.21	393.94	10.19	405.53
16-Jan.15	418.09	03.02.25	396.05	09.36	405.43
17-Jan.15	416.92	03.01.50	393.23	10.28	405.07
18-Jan.15	416.92	03.01.14	393.94	10.34	407.86
19-Jan.15	418.56	05.02.17	395.11	11.45	406.29
20-Jan.15	415.04	00.09.23	396.99	15.51	408.64
21-Jan.15	415.98	03.12.16	393.70	09.22	404.27
22-Jan.15	420.90	02.17.19	396.99	14.13	407.97
23-Jan.15	417.15	03.02.14	395.81	11.32	405.94
24-Jan.15	419.26	03.01.38	396.28	09.50	407.84
25-Jan.15	419.26	23.45.00	401.91	11.12	410.08
26-Jan.15	419.73	03.01.00	404.49	18.41	412.09
27-Jan.15	420.43	02.57	395.81	18.40	407.67
28-Jan.15	416.21	04.01	391.36	18.37	402.34
29-Jan.15	415.74	03.01	391.59	18.43	403.17
30-Jan.15	415.98	03.34	388.08	10.18	402.78
31-Jan.15	415.51	03.59	389.72	10.18	403.11

All figures in kV

Date	400kV Bawana Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01-Jan.15	428.88	03.03.24	401.44	09.59	417.51
02-Jan.15	428.88	01.15.15	408.48	07.74	418.70
03-Jan.15	428.88	00.01.19	409.65	18.21	419.99
04-Jan.15	427.47	03.41.49	411.52	11.51	419.90
05-Jan.15	429.58	03.03.01	406.83	10.23	418.00
06-Jan.15	426.3	00.00.00	408.01	12.16	417.12
07-Jan.15	424.42	03.22.09	406.13	18.25	418.80
08-Jan.15	423.95	03.02.05	405.66	12.12	415.15
09-Jan.15	425.59	02.55.03	403.32	11.37	415.61
10-Jan.15	426.30	02.09.02	406.83	10.37	416.96
11-Jan.15	426.53	03.02.10	406.60	09.40	418.34
12-Jan.15	428.41	03.01.57	407.54	10.37	416.53
13-Jan.15	426.77	03.02.02	408.01	10.21	416.68
14-Jan.15	426.41	03.32.45	409.65	11.10	417.69
15-Jan.15	426.53	03.01.47	410.35	07.37	417.18
16-Jan.15	427.70	03.02.56	--	--	369.57
17-Jan.15	426.53	03.03.17	408.71	10.28	416.54
18-Jan.15	426.30	02.59.45	407.54	12.35	418.54
19-Jan.15	427.70	02.56.27	408.01	11.45	417.13
20-Jan.15	428.41	02.32.08	409.18	15.51	416.69
21-Jan.15	426.06	03.12.12	408.48	14.47	416.09
22-Jan.15	430.28	02.17.52	408.01	14.47	418.68
23-Jan.15	426.30	02.17.52	--	--	347.12
24-Jan.15	428.64	03.02.45	410.35	09.43	418.85
25-Jan.15	427.94	23.45	413.17	18.36	420.64
26-Jan.15	427.47	03.01	415.51	18.58	421.78
27-Jan.15	428.88	02.58	408.48	18.39	418.36
28-Jan.15	425.12	04.01	--	--	413.86
29-Jan.15	425.36	03.02	404.02	18.43	414.14
30-Jan.15	425.59	03.34	400.74	10.19	413.40
31-Jan.15	424.89	03.59	403.32	11.10	413.93

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 JANUARY 2015

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
1	26-04-14	06:00	INDRAPRASTHA POWER 33kV 10MVAR CAP. BANK-III	Contd.		CAPACITOR BANK NO. 3 IS IN OUTAGE DUE TO NON AVAILABILITY OF NCT.
2	14-06-14	04:18	220kV MAHARANIBAGH-MASJID MOTH CKT-I	Contd.		AT MAHARANI BAGH CKT TRIPPED ON DIST PROT,R PHASE, ZONE-1, DIST 3.2KMS AT MASJID MOTH DIST PROT. ZONE-1 TRIED AT MAHARANI BAGH AT 04.47HRS. BUT AGAIN TRIPPED, CABLE OF THE CKT DECLARED FAULTY AS CABLE DAMAGED IN DIGGING OPERATION BY PGCIL CONTRACTOR.
3	17-09-14	15:33	220kV GAZIPUR - BTPS CKT	Contd.		AT BTPS CKT. TRIPPED ON DIST PROT, ZONE-1, Y PHASE, DISTANCE 10.2KMS AT GAZIPUR (SAME INDICATION) CABLE FAULTY.
4	19-12-14	18:51	220kV MAHARANIBAGH-TRAUMA CENTER CKT-I	Contd.		AT MAHARANIBAGH CKT TRIPPED ON Y-PH E/F. AT TRAUMA CENTER CKT TRIPPED ON D/P, Z-1, B-PH. CABLE FAULTY.
5	01-01-15	17:31	400kV Ballabhgarh-Bamnauli Ckt-II	17-01-15	18:53	AT BAMNAULI CKT TRIPPED ON D/P,Z-1,186 A&B,DIST-01 KM. B-PH CABLE END BOX DAMAGED OUT SIDE BAMNAULI S/STN YARD AND CAUGHT FIRE. CKT CHARGED THROUGH ERS ON 17.01.15 AT 18:53HRS.
6	01-01-15	17:31	400kV Ballabhgarh-Bamnauli Ckt-I	01-01-15	22:08	CKT MADE OFF AS A PRECAUTIONARY MEASURE AS 400kV BALLABHGARH-BAMNAULI Ckt-II B-PH CABLE END BOX DAMAGED OUT SIDE BAMNAULI S/STN YARD AND CAUGHT FIRE.
7	02-01-15	04:33	220kV KANJHAWALA-NAJAFGARH CKT-2	02-01-15	11:24	AT NJF CKT TRIPPED ON 876,186. NO TRIPPING AT KANJHAWALA.
8	02-01-15	04:33	220kV KANJHAWALA-NAJAFGARH CKT	02-01-15	11:24	AT NJF CKT TRIPPED ON 876,186. NO TRIPPING AT KANJHAWALA.
9	02-01-15	13:08	LODHI RD 33/11kV, 16MVA Tx-III	02-01-15	14:50	TX TRIPPED ON DIFFERENTIAL PROTECTION.
10	03-01-15	00:03	400kV Ballabhgarh-Bamnauli Ckt-I	03-01-15	01:01	AT BAMNAULI CKT TRIPPED ON D/P, 186 A&B,DIST-42.6 KM.
11	03-01-15	13:10	220kV OKHLA - BTPS CKT.- I	03-01-15	13:13	AT OKHLA CKT TRIPPED ON 96. NO TRIPPING AT BTPS.
12	03-01-15	13:30	220kV OKHLA - BTPS CKT.- I	03-01-15	16:35	CKT MADE OFF DUE TO FIRE IN AUXILIARY MECHANISM OF BUS ISOLATORS AT OKHLA.
13	04-01-15	05:50	PAPPANKALAN-I 220/66kV 100MVA Tx-IV	04-01-15	06:09	TX ALONG WITH 66KV I/C-4 TRIPPED ON 86.
14	06-01-15	07:55	SUBZI MANDI 220/33kV 100MVA Tx-II	06-01-15	08:02	TX TRIPPED ON 186.
15	08-01-15	02:55	SUBZI MANDI 220/33kV 100MVA Tx-II	08-01-15	04:27	TX TRIPPED WITHOUT INDICATION.
16	08-01-15	07:10	220KV GAZIPUR - MAHARANIBAGH CKT. -II	08-01-15	15:10	AT MAHARANIBAGH CKT TRIPPED ON D/P,Z-2,Y-PH E/F. AT GAZIPUR CKT TRIPPED ON O/C,E/F. SF6 GAS OF Y-PH POLE OF CB LEAKED OUT AT GAZIPUR.
17	08-01-15	08:40	220kV DSIIDC BAWANA-NARELA CKT-I	08-01-15	10:39	AT NARELA CKT TRIPPED ON E/F. NO TRIPPING AT DSIDC BAWANA.
18	08-01-15	10:45	220kV DSIIDC BAWANA-NARELA CKT-I	08-01-15	14:12	AT NARELA CKT TRIPPED ON DIRECTIONAL E/F. NO TRIPPING AT DSIDC BAWANA.
19	10-01-15	15:45	SARITA VIHAR 220/66kV 100MVA Tx-I	10-01-15	16:20	TX TRIPPED ON 30B,86.
20	11-01-15	03:58	SARITA VIHAR 66/11kV, 20MVA Tx-I	11-01-15	09:59	11KV I/C-1 TRIPPED ON O/C. SMOKE OBSERVED ON 11KV BUS.
21	11-01-15	05:13	SUBZI MANDI 220/33kV 100MVA Tx-I	11-01-15	05:20	TX TRIPPED ON POLE DISCREPANCY.
22	11-01-15	14:26	BAWANA 400/220kV 315MVA ICT-II	03-02-15	12:24	ICT MADE OFF DUE TO POOR DGA TEST RESULT. FORMATION OF HIGH LEVEL OF ACETYLENE GAS NOTED IN DGA TEST. INTERNAL INSPECTION DONE AND TX OIL CHANGED.
23	12-01-15	03:16	BAWANA 400/220kV 315MVA ICT-III	12-01-15	14:55	BUCHHOLZ RELAY APPEARED ON ICT BUT DID NOT TRIP. ICT MADE OFF FOR INVESTIGATION. DURING INVESTIGATION IT WAS FOUND THAT ONE WIRE IN BUCHHOLZ RELAY FOUND DAMAGED AND SAME WAS REPAIRED.
24	17-01-15	04:20	MEHRAULI 66/11kV, 20MVA Tx-I	17-01-15	11:20	TX TRIPPED ON 30D.
25	18-01-15	19:45	MEHRAULI 66/11kV, 20MVA Tx-I	18-01-15	23:03	TX TRIPPED ON 30D,86.

26	19-01-15	08:20	GOPALPUR 220/33kV 100MVA Tx-III	19-01-15	08:43	33KV I/C-3 TRIPPED ON E/F.
27	22-01-15	15:55	LODHI RD 220/33kV 100MVA Tx-II	22-01-15	18:25	TX TRIPPED ON AUTO RE-CLOSE LBB PROTECTION,86B. 33KV I/C-2 TRIPPED ON INTER TRIP.
28	23-01-15	02:05	MEHRAULI 220/66kV 160MVA Tx-I	23-01-15	11:15	TX TRIPPED ON POLE DISCREPANCY.
29	23-01-15	09:45	OKHLA 33kV TUGLAKABAD CKT	23-01-15	10:15	CKT REMAINED OFF DUE TO TRIPPING OF 220/33KV 100MVA TX-5.
30	23-01-15	09:45	OKHLA 220/33kV 100MVA Tx-V	23-01-15	12:35	TX TRIPPED ON E/F, 86,186. 33KV I/C-5 TRIPPED ON 86.
31	23-01-15	14:09	220kV MEHRAULI - BTPS CKT. - II	23-01-15	16:55	AT MEHRAULI CKT TRIPPED ON D/P,Z-1,DIST-9.641KM. AT BTPS CKT TRIPPED ON D/P, Z-1, DIST-10.60KM.
32	25-01-15	05:11	WAZIRABAD 220/66kV 160MVA Tx-I	27-01-15	07:22	TX TRIPPED ON DIFFERENTIAL PROTECTION.
33	25-01-15	05:11	220KV WAZIRABAD - MANDOLA CKT-I	25-01-15	17:38	AT WZB CKT TRIPPED ON D/P,Z-2,DIST-12.4KM. AT MANDOLA CKT TRIPPED ON D/P,Z-1,DIST-0.33KM. MIDDLLE PHASE DISC INSULATOR DAMAGED AND DE-CAPPED AT TOWER NO-2.
34	26-01-15	11:48	VASANT KUNJ 220/66kV 160MVA Tx-I	26-01-15	15:53	TX TRIPPED ON 30F.
35	27-01-15	08:48	PARKSTREET 220/33kV 100MVA Tx-II	27-01-15	09:38	TX TRIPPED ON 51N,86. MONKEY ELECTROCUTED IN YARD.
36	27-01-15	18:10	SARITA VIHAR 66/11kV, 20MVA Tx-II	27-01-15	22:31	11KV I/C-2 TRIPPED ON BOTH O/C. FLASH REPORTED ON HALF 11KV BUS TOWARDS 11KV I/C-2.
37	28-01-15	22:10	220kV OKHLA - BTPS CKT. - II	28-01-15	22:26	AT OKHLA CKT TRIPPED ON D/P,Z-3,AB&C-PH. NO TRIPPING AT BTPS END.
38	29-01-15	08:03	OKHLA 220/66kV 100MVA Tx-II	29-01-15	09:10	66KV I/C-2 TRIPPED ON E/F.

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

DATE	S. N.	TIME		Name of Grid	NAME OF AFFECTED FEEDERS	MODE	LOAD RELIEF IN MW
		OUT	IN				
07.01.15	1	13:06	13:13	NARELA	66KV BADLI CKT I & II, 66KV BHALASWA CKT. I & II	MALFUNCTIONING	40